

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\
 Data File : BF119674.D
 Acq On : 1 Apr 2020 15:00
 Operator : MA/SJ
 Sample : L1762-25MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Manual Integrations
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mohammad
 4/3/2020 11:14:29 PM

Quant Time: Apr 02 00:47:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	260336	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	1022412	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	529366	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	1013283	20.00	ng	0.00
76) Chrysene-d12	13.99	240	736562	20.00	ng	0.00
87) Perylene-d12	15.45	264	749762	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2201569	134.62	ng	0.03
7) Phenol-d6	6.45	99	2556392	122.37	ng	0.00
23) Nitrobenzene-d5	7.38	82	1836250	97.61	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	835188	152.93	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	3434498	96.12	ng	0.00
79) Terphenyl-d14	12.94	244	3676438	97.79	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.79	88	307091	38.021	ng	# 81
3) Pyridine	3.48	79	730054	32.809	ng	90
4) n-Nitrosodimethylamine	3.39	42	454332	41.869	ng	89
6) Aniline	6.48	93	329650	11.433	ng	98
8) 2-Chlorophenol	6.60	128	944460	54.987	ng	99
9) Benzaldehyde	6.36	77	390211	29.444	ng	97
10) Phenol	6.46	94	1009404	45.283	ng	93
11) bis(2-Chloroethyl)ether	6.55	93	928799	52.098	ng	100
12) 1,3-Dichlorobenzene	6.76	146	914313	49.184	ng	100
13) 1,4-Dichlorobenzene	6.83	146	933168	50.186	ng	98
14) 1,2-Dichlorobenzene	6.99	146	861701	49.579	ng	98
15) Benzyl Alcohol	6.96	79	764387	48.642	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	1623586	45.149	ng	97
17) 2-Methylphenol	7.07	107	762444	48.448	ng	99
18) Hexachloroethane	7.33	117	356797	52.360	ng	98
19) n-Nitroso-di-n-propylamine	7.24	70	650125	51.630	ng	95
20) 3+4-Methylphenols	7.23	107	885567	45.916	ng	# 80
22) Acetophenone	7.23	105	1229325	50.320	ng	# 89
24) Nitrobenzene	7.40	77	983865	48.937	ng	99
25) Isophorone	7.64	82	1873046	49.082	ng	98
26) 2-Nitrophenol	7.72	139	504278	63.704	ng	92
27) 2,4-Dimethylphenol	7.76	122	839448	51.285	ng	100
28) bis(2-Chloroethoxy)methane	7.85	93	1193646	52.896	ng	99
29) 2,4-Dichlorophenol	7.96	162	792098	52.667	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	838270	50.399	ng	99
31) Naphthalene	8.12	128	2718965	51.677	ng	99
32) Benzoic acid	7.87	122	461864m	43.866	ng	
33) 4-Chloroaniline	8.17	127	128717	5.339	ng	96
34) Hexachlorobutadiene	8.24	225	468934	50.391	ng	98
35) Caprolactam	8.55	113	205216m	41.692	ng	
36) 4-Chloro-3-methylphenol	8.66	107	843833	51.335	ng	99
37) 2-Methylnaphthalene	8.82	142	1828509	52.954	ng	98
38) 1-Methylnaphthalene	8.92	142	1731744	52.985	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	764855	49.294	ng	99

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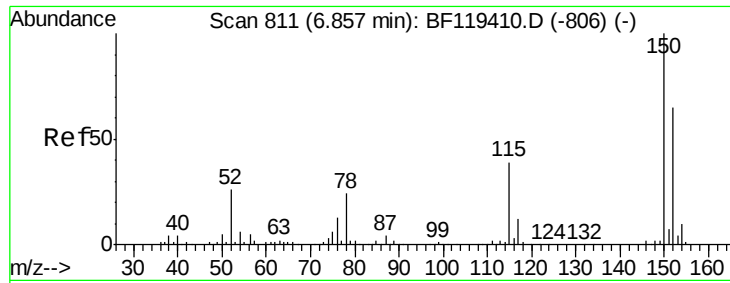
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	902250	102.283	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	656884	59.159	nq	98
44) 2,4,5-Trichlorophenol	9.14	196	541539	43.537	nq	94
46) 1,1'-Biphenyl	9.28	154	2143488	49.716	nq	99
47) 2-Chloronaphthalene	9.30	162	1674297	49.577	nq	99
48) 2-Nitroaniline	9.40	65	597719	51.277	nq	90
49) Acenaphthylene	9.72	152	2640871	49.796	nq	99
50) Dimethylphthalate	9.59	163	1679076	44.655	nq	99
51) 2,6-Dinitrotoluene	9.65	165	449554	55.779	nq	93
52) Acenaphthene	9.90	154	1756605	53.130	nq	99
53) 3-Nitroaniline	9.81	138	153487	15.085	nq	93
54) 2,4-Dinitrophenol	9.92	184	339643	95.810	nq	95
55) Dibenzofuran	10.07	168	2350519	49.586	nq	99
56) 4-Nitrophenol	9.98	139	712963	88.823	nq	96
57) 2,4-Dinitrotoluene	10.05	165	595392	58.643	nq	98
58) Fluorene	10.41	166	1795315	51.216	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	472559	50.825	nq	100
60) Diethylphthalate	10.29	149	2007337	52.599	nq	99
61) 4-Chlorophenyl-phenylether	10.40	204	870516	50.783	nq	99
62) 4-Nitroaniline	10.43	138	452887	46.416	nq	96
63) Azobenzene	10.56	77	1904966	49.569	nq	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	270334	63.623	nq	92
66) n-Nitrosodiphenylamine	10.53	169	1676344	50.394	nq	100
67) 4-Bromophenyl-phenylether	10.89	248	582218	50.452	nq	99
68) Hexachlorobenzene	10.96	284	614166	52.000	nq	# 91
69) Atrazine	11.06	200	501382	54.979	nq	97
70) Pentachlorophenol	11.16	266	675712	97.570	nq	96
71) Phenanthrene	11.37	178	2594735	49.385	nq	100
72) Anthracene	11.43	178	2641016	49.457	nq	99
73) Carbazole	11.58	167	2492043	47.148	nq	100
74) Di-n-butylphthalate	11.92	149	3077137	54.423	nq	100
75) Fluoranthene	12.56	202	2830342	49.775	nq	99
77) Benzidine	12.68	184	656702	21.067	nq	98
78) Pyrene	12.79	202	2856687	47.258	nq	100
80) Butylbenzylphthalate	13.42	149	1354572	55.404	nq	99
81) Benzo(a)anthracene	13.99	228	2244450	46.859	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	320063	16.948	nq	99
83) Chrysene	14.02	228	2405115	48.655	nq	100
84) Bis(2-ethylhexyl)phthalate	13.97	149	1719053	58.983	nq	98
85) Di-n-octyl phthalate	14.59	149	3185770	62.152	nq	99
86) Indeno(1,2,3-cd)pyrene	16.91	276	2521136	54.153	nq	98
88) Benzo(b)fluoranthene	15.03	252	2653575	52.983	nq	98
89) Benzo(k)fluoranthene	15.06	252	2209149	46.323	nq	99
90) Benzo(a)pyrene	15.39	252	2239168	49.196	nq	99
91) Dibenzo(a,h)anthracene	16.93	278	2092538	52.562	nq	99
92) Benzo(g,h,i)perylene	17.36	276	2086460	52.168	nq	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



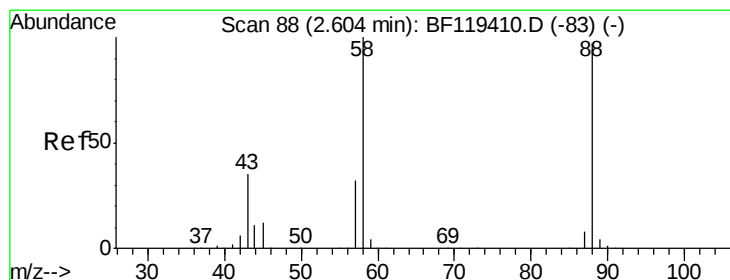
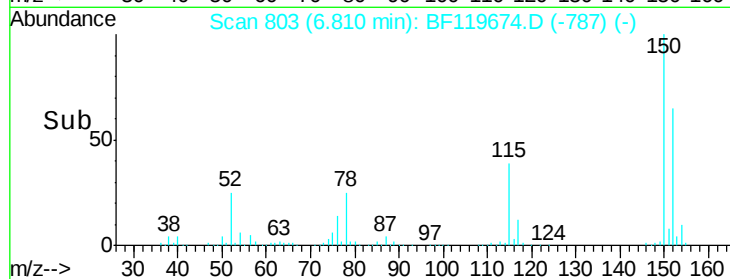
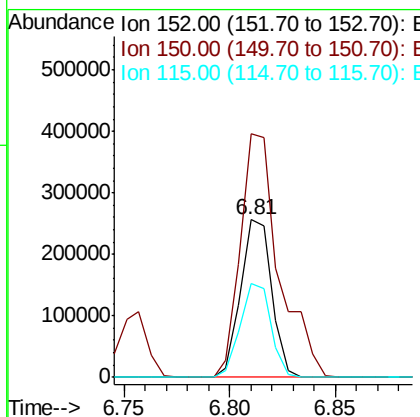
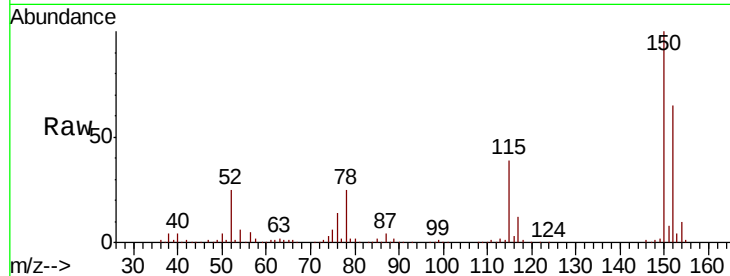
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.5	186.7
115	60.1	49.6	74.4

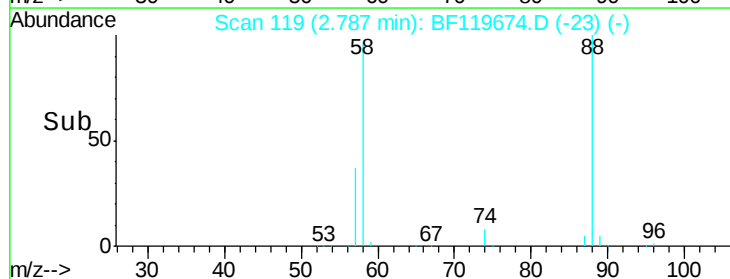
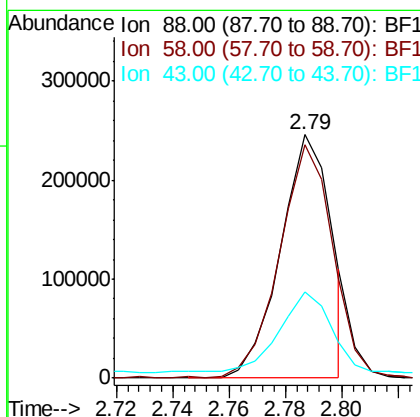
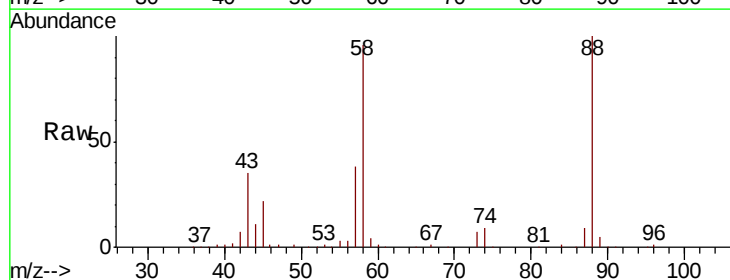
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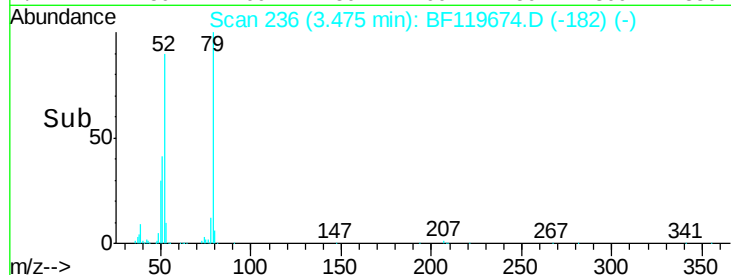
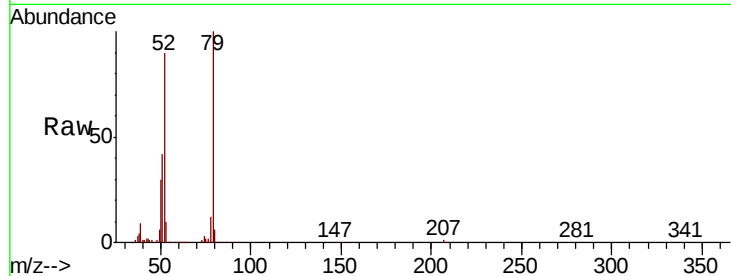
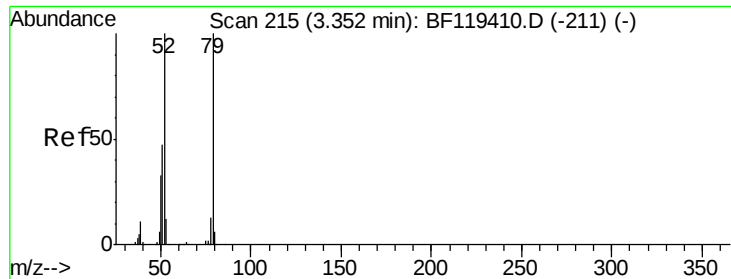
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#2
 1,4-Dioxane
 Concen: 38.021 ng
 RT: 2.79 min Scan# 119
 Delta R.T. 0.26 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.9	80.6	121.0
43	0.0	27.5	41.3





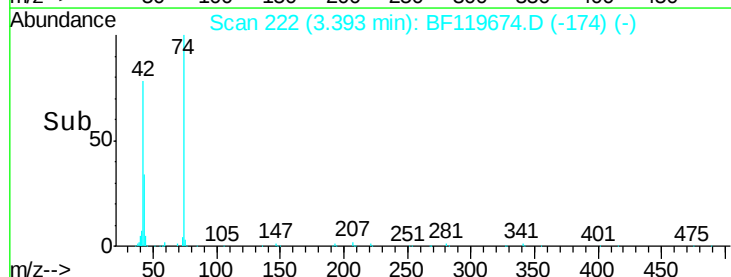
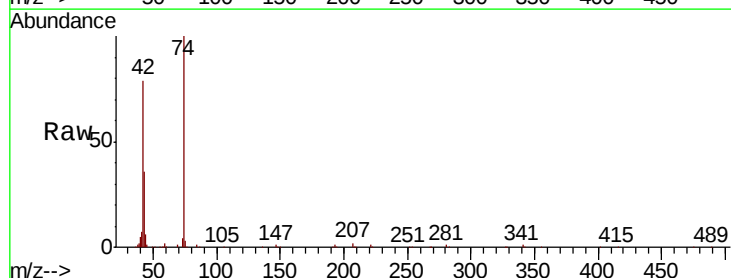
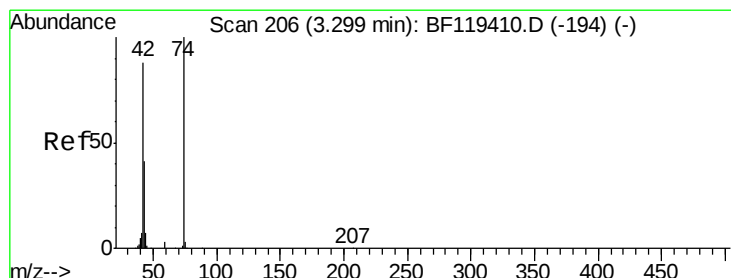
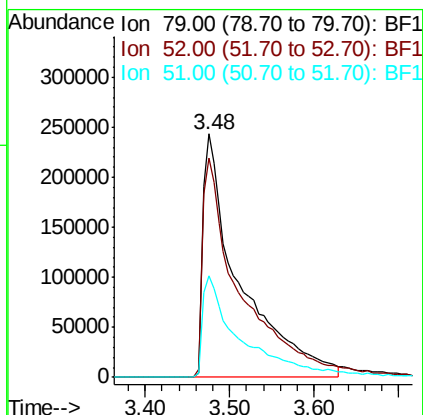
#3
Pvridine
Concen: 32.809 ng
RT: 3.48 min Scan# 236
Delta R.T. 0.22 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tot Ion	Ratio	Lower	Upper
79	100		
52	90.0	80.2	120.2
51	41.7	37.7	56.5

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

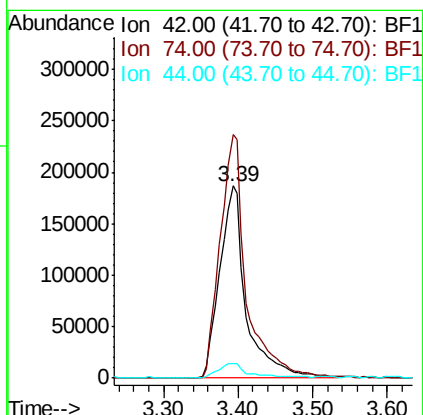
Manual Integrations
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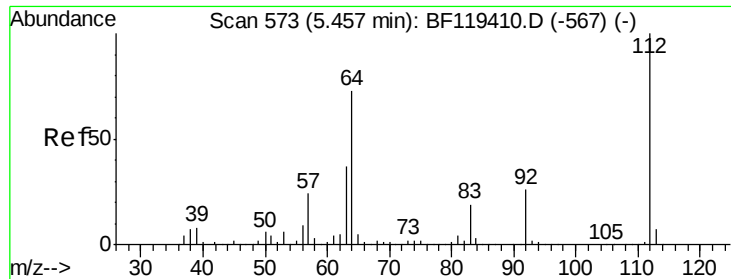
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#4
n-Nitrosodimethylamine
Concen: 41.869 ng
RT: 3.39 min Scan# 222
Delta R.T. 0.18 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
42	100		
74	126.8	91.5	137.3
44	7.4	6.2	9.4





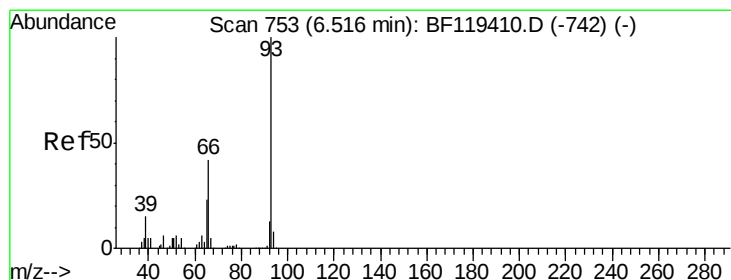
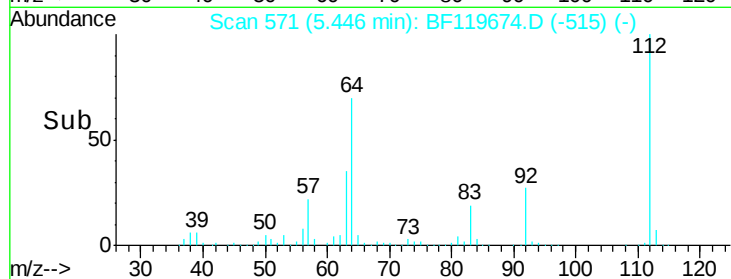
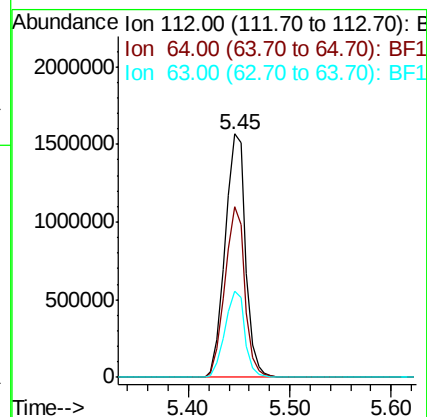
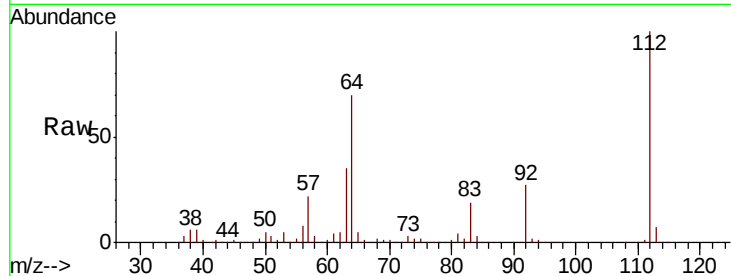
#5
 2-Fluorophenol
 Concen: 134.622 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.03 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	70.2	56.7	85.1
63	35.3	29.5	44.3

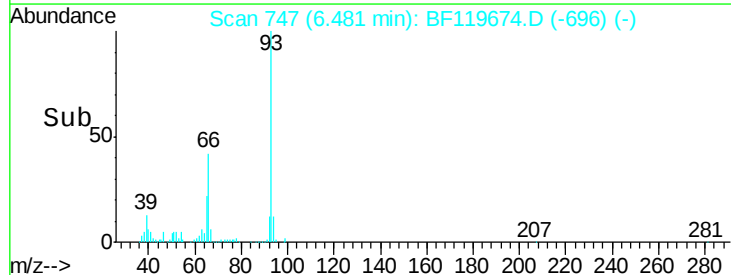
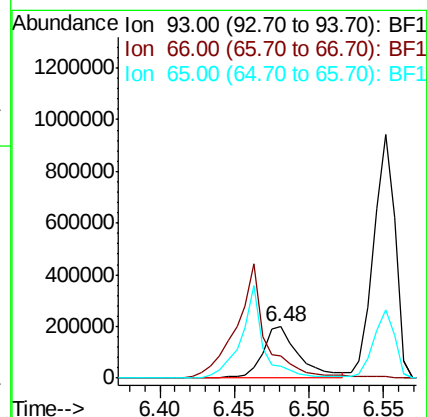
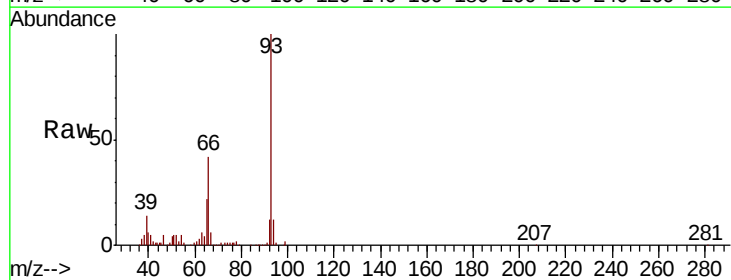
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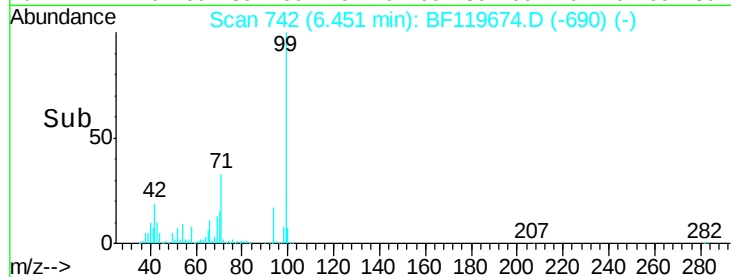
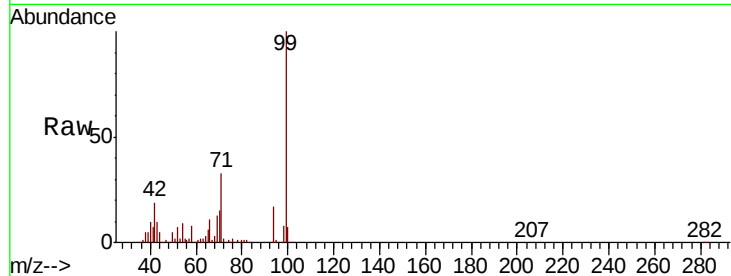
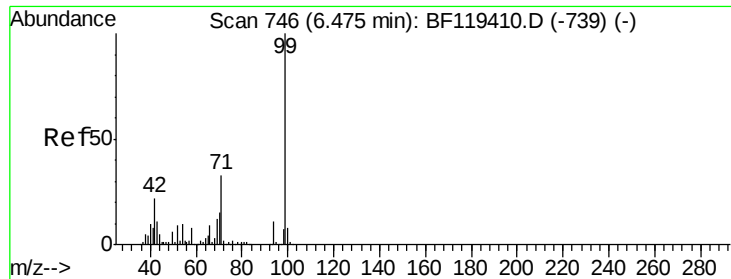
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#6
 Aniline
 Concen: 11.433 ng
 RT: 6.48 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
93	100		
66	42.0	34.9	52.3
65	22.5	18.6	27.8





#7

Phenol-d6

Concen: 122.370 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tot Ion: 99 Resp: 2556392

Ion Ratio Lower Upper

99 100

42 19.2 16.6 24.8

71 32.8 26.4 39.6

Instrument :

BNA_F

ClientSampleId :

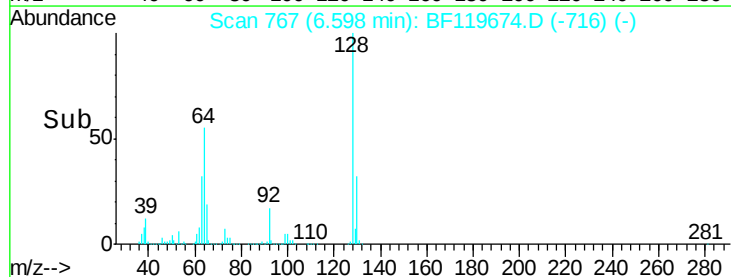
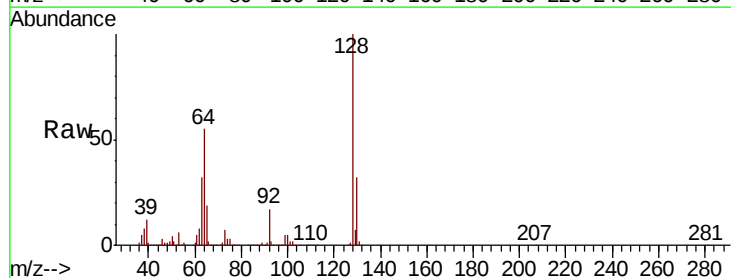
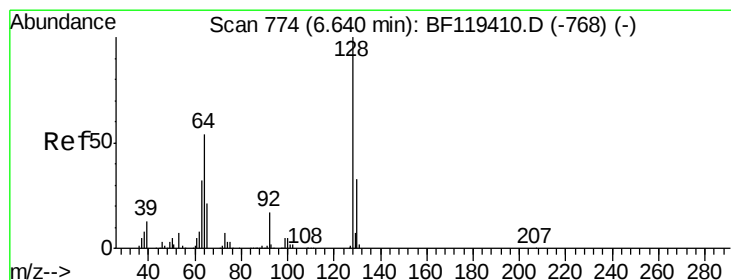
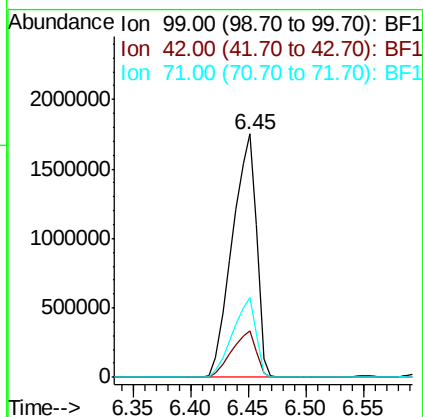
TR-04-032720MSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 54.987 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

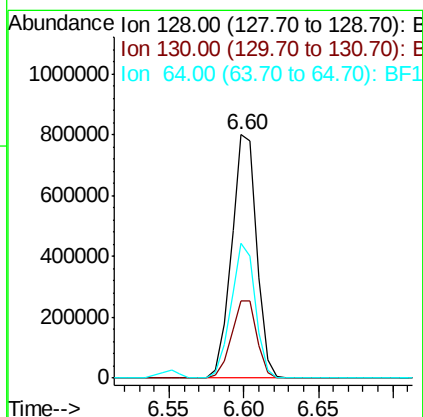
Tgt Ion: 128 Resp: 944460

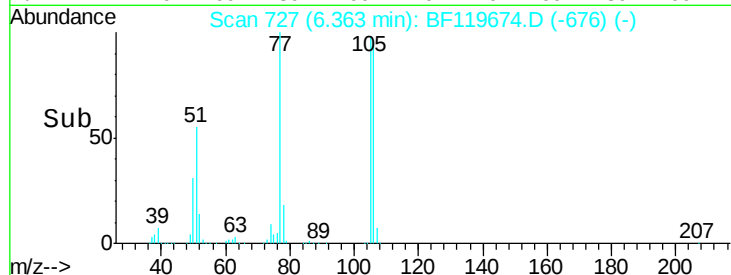
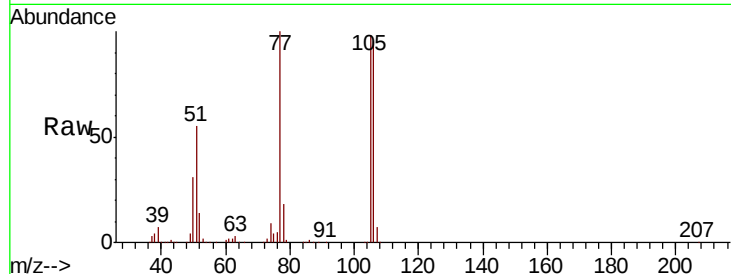
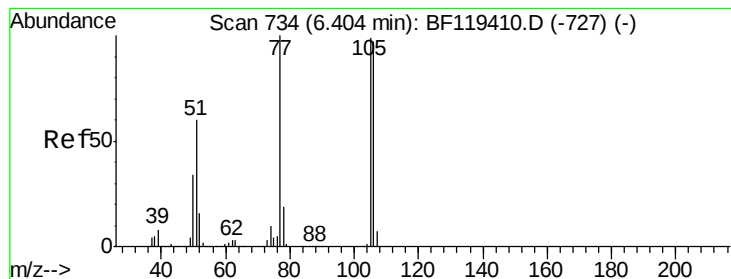
Ion Ratio Lower Upper

128 100

130 31.9 12.6 52.6

64 55.2 35.3 75.3





#9

Benzaldehyde

Concen: 29.444 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tot Ion:	77	Resp:	390211
Ion Ratio	Lower	Upper	
77	100		
105	98.4	80.9	120.9
106	94.7	77.9	117.9

Instrument :

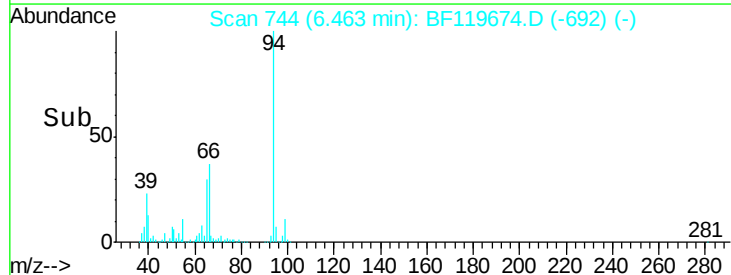
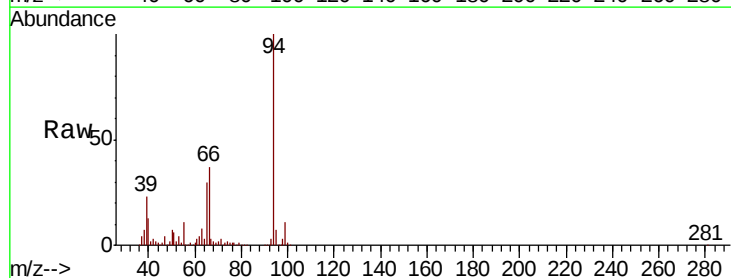
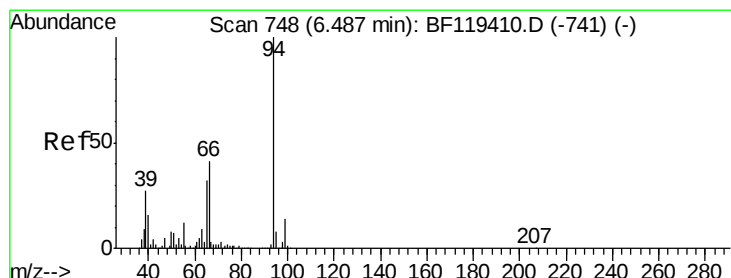
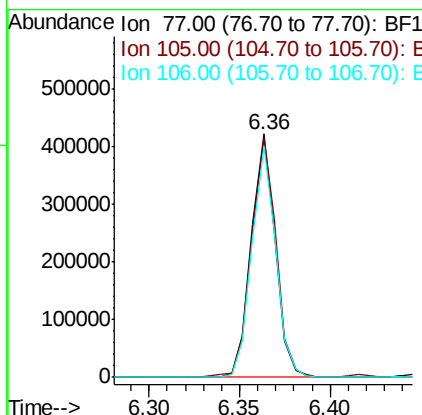
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 45.283 ng

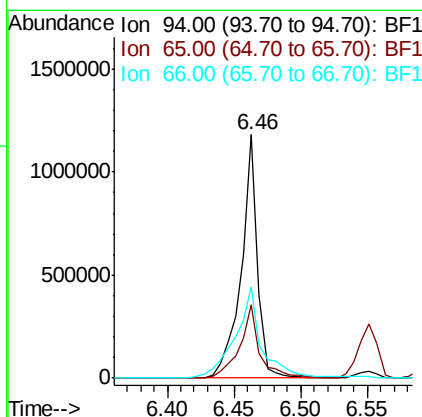
RT: 6.46 min Scan# 744

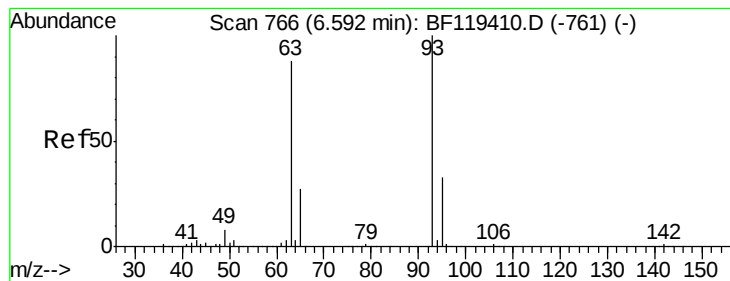
Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tgt Ion:	94	Resp:	1009404
Ion Ratio	Lower	Upper	
94	100		
65	30.1	13.2	53.2
66	37.5	22.3	62.3





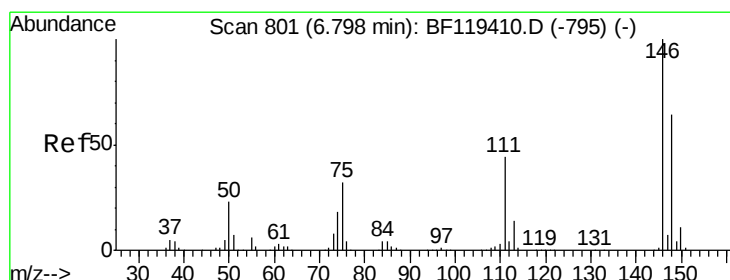
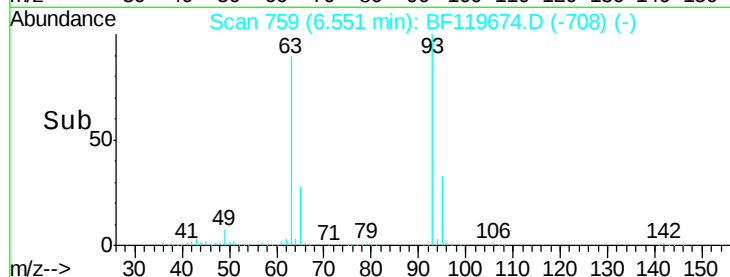
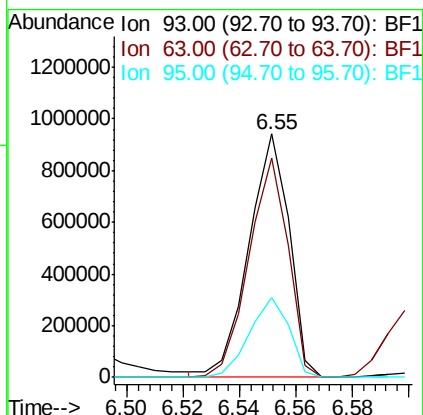
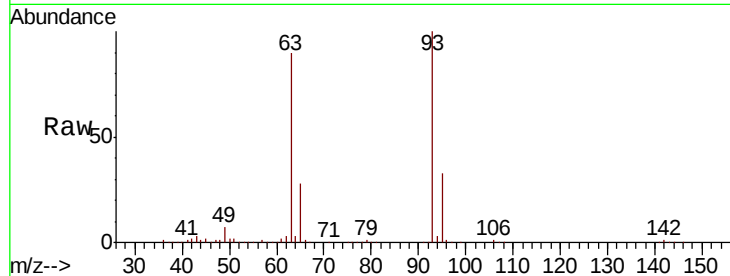
#11
bis(2-Chloroethyl)ether
Concen: 52.098 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	90.1	70.2	110.2
95	32.7	13.4	53.4

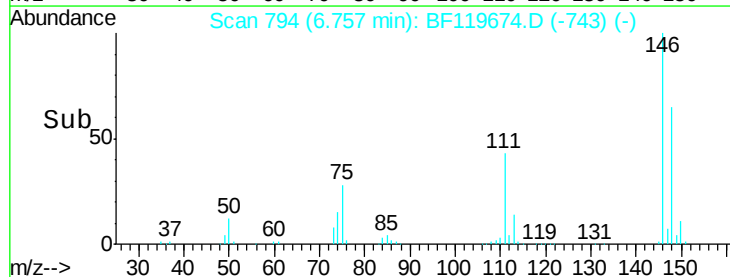
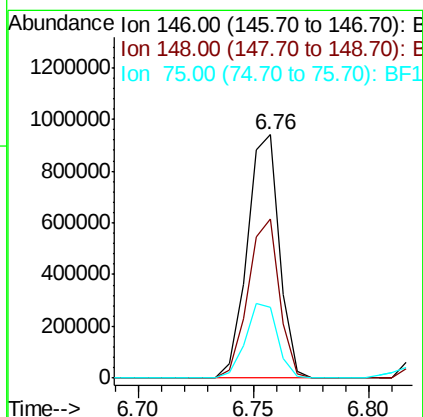
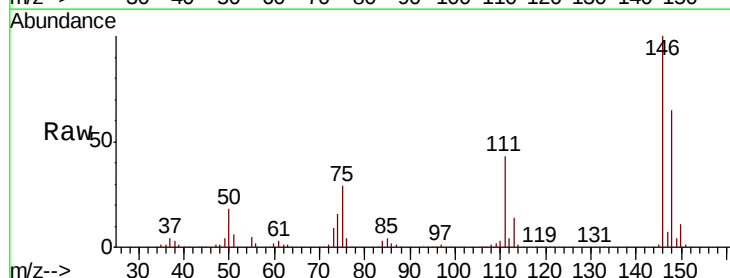
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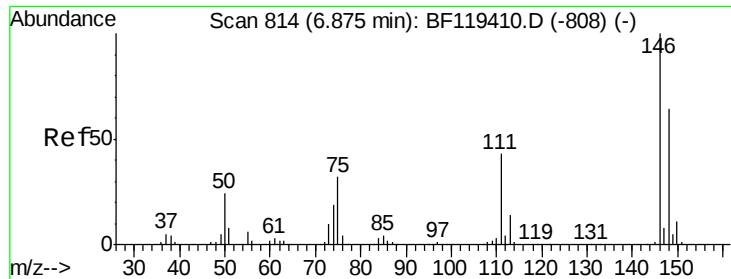
mohammad
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#12
1,3-Dichlorobenzene
Concen: 49.184 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.2	78.4
75	28.8	23.0	34.4





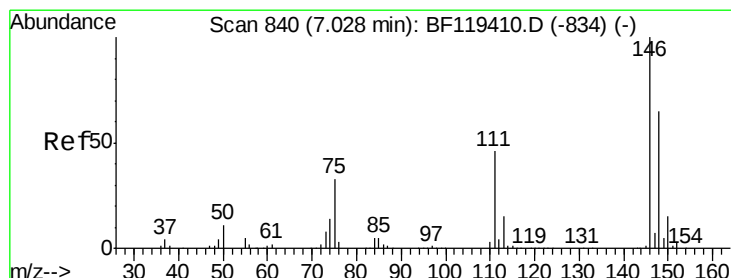
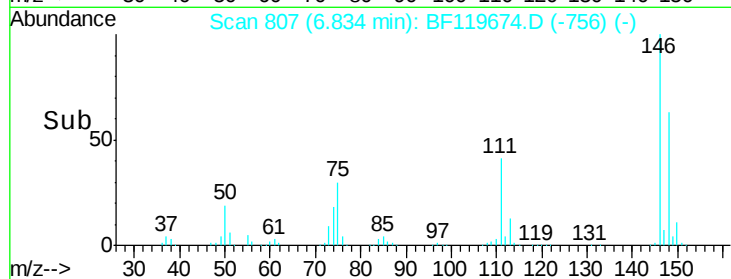
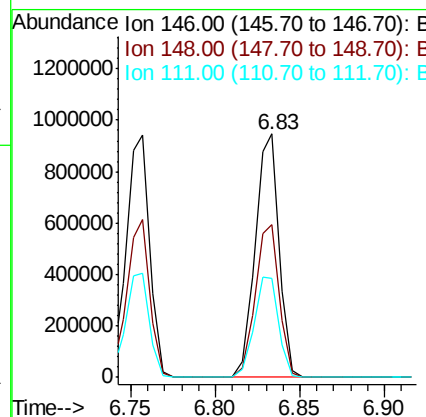
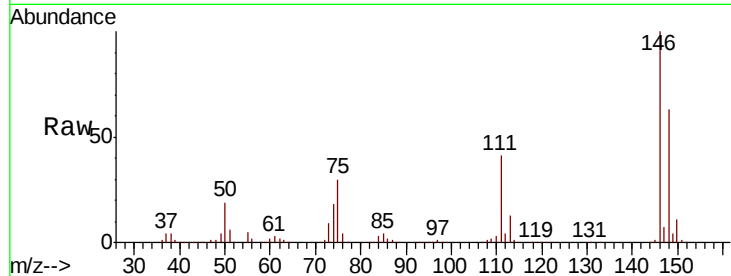
#13
1,4-Dichlorobenzene
Concen: 50.186 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.5	77.3
111	40.8	33.3	49.9

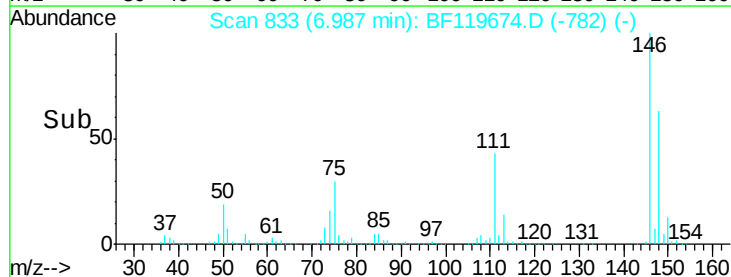
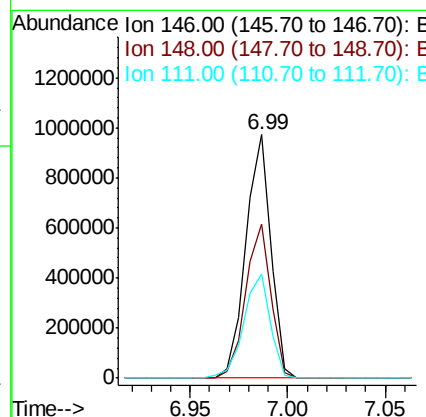
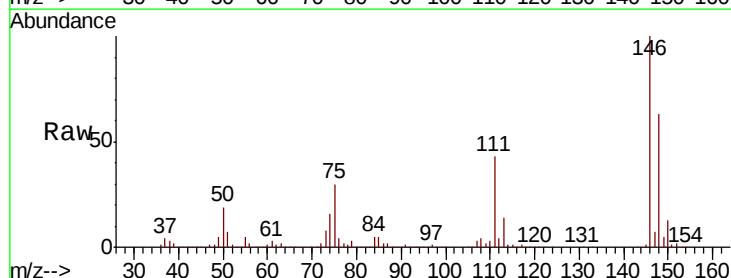
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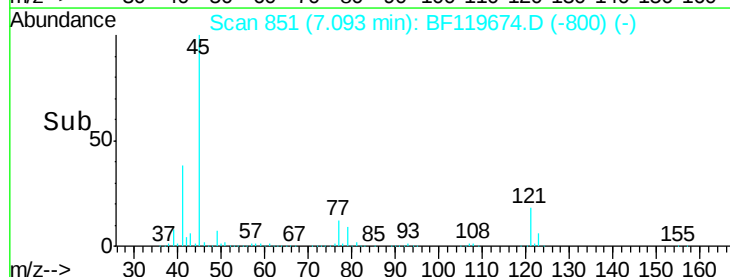
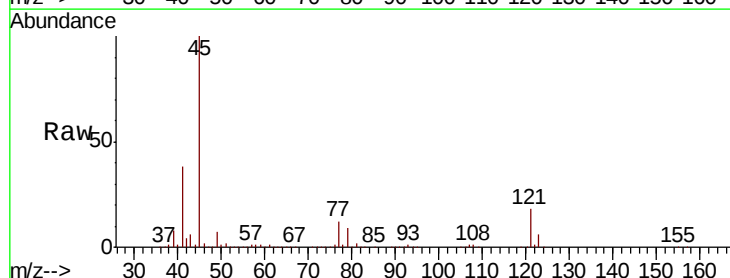
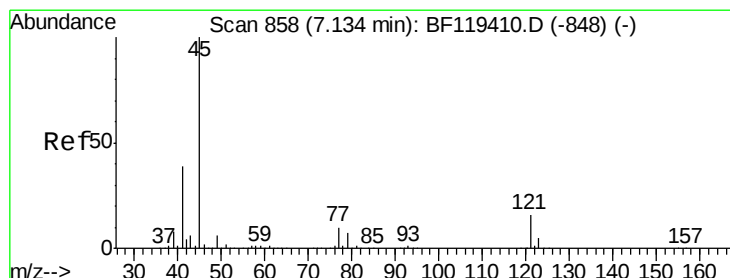
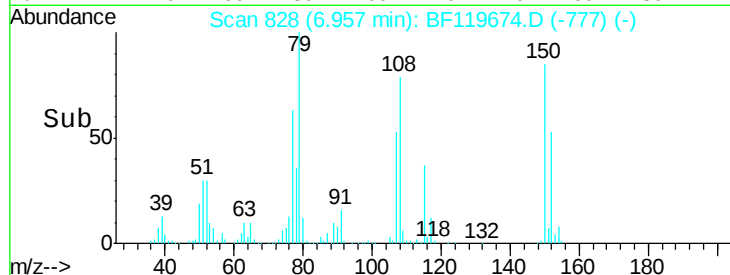
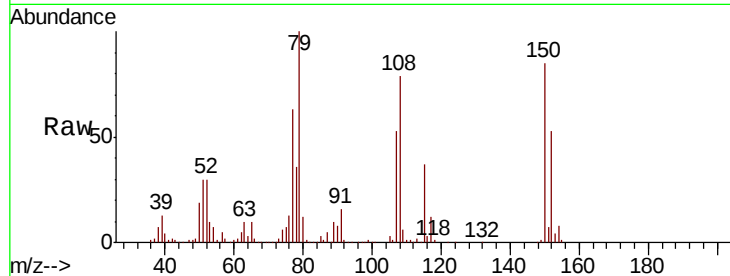
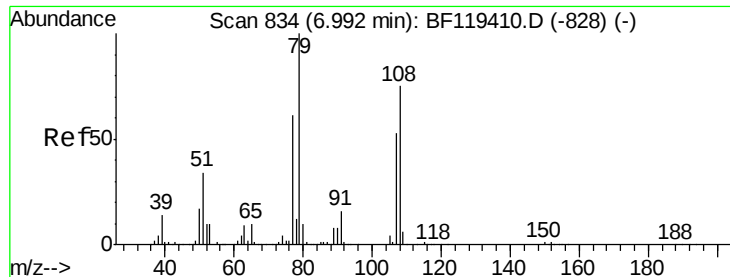
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#14
1,2-Dichlorobenzene
Concen: 49.579 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	75.8
111	42.6	36.1	54.1





#15

Benzyl Alcohol

Concen: 48.642 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tot Ion:	79	Resp:	764387
Ion Ratio	Lower	Upper	
79	100		
108	78.6	60.6	90.8
77	63.1	50.2	75.2

Instrument :

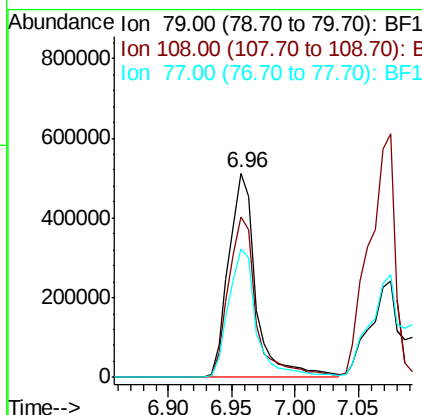
BNA_F

ClientSampleId :

TR-04-032720MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.149 ng

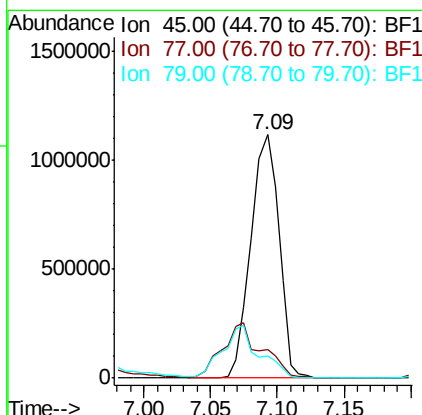
RT: 7.09 min Scan# 851

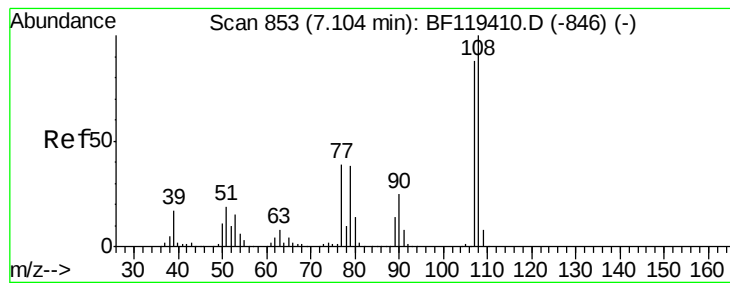
Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tgt Ion:	45	Resp:	1623586
Ion Ratio	Lower	Upper	
45	100		
77	11.9	0.0	30.7
79	8.9	0.0	28.2





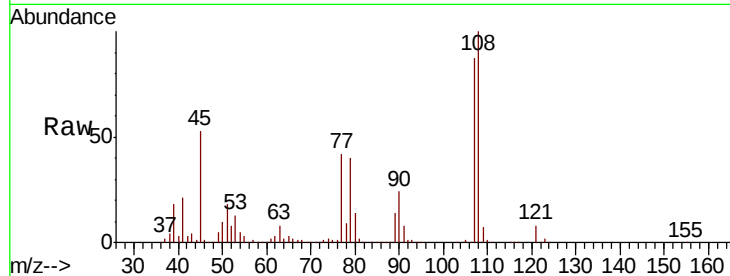
#17
2-Methylphenol
Concen: 48.448 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.4	92.2	138.4
77	48.6	36.6	54.8
79	45.6	36.2	54.4

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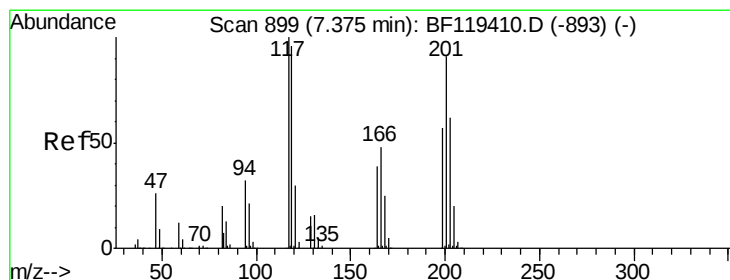
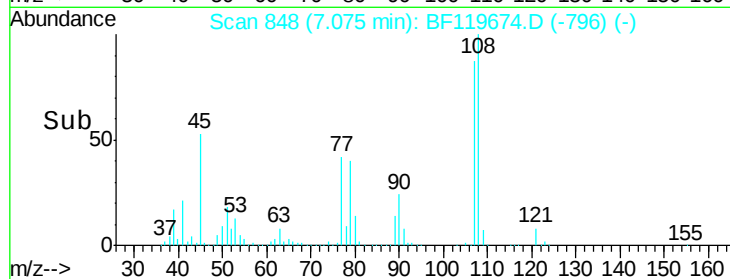
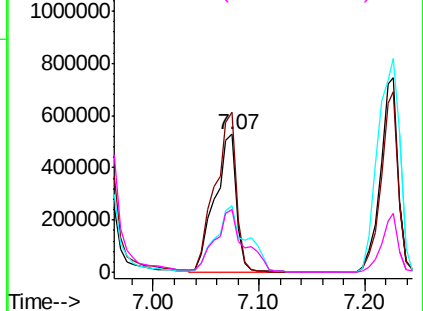
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

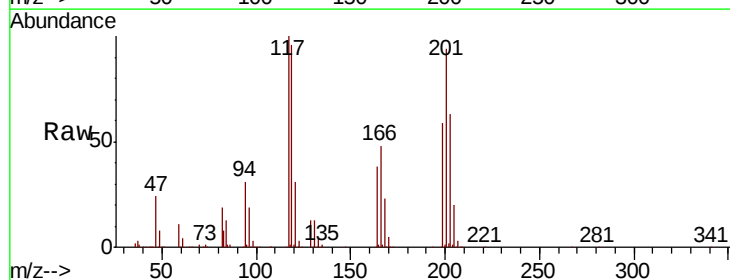
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 52.360 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.1	114.1
201	94.4	73.0	109.6

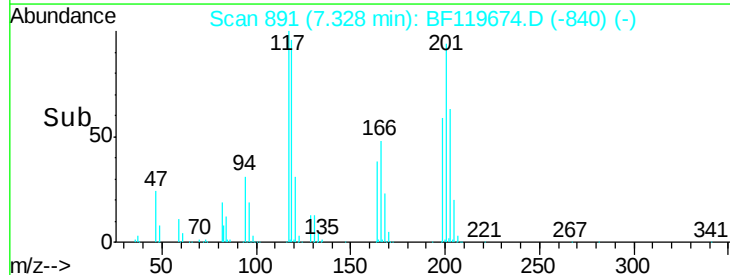
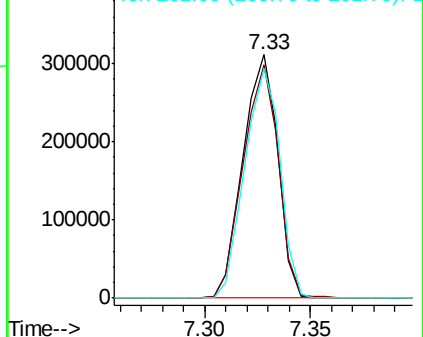


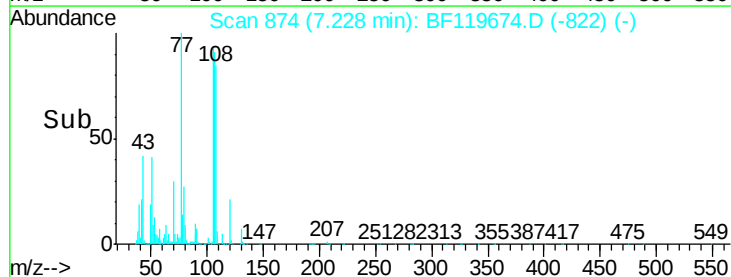
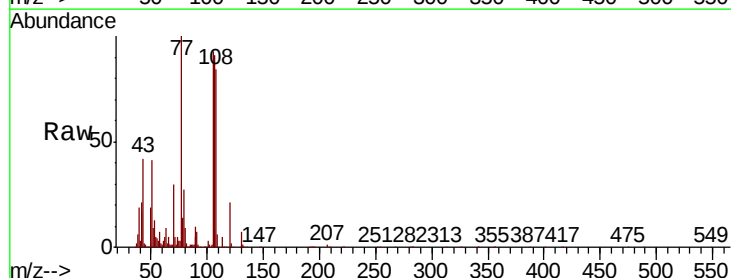
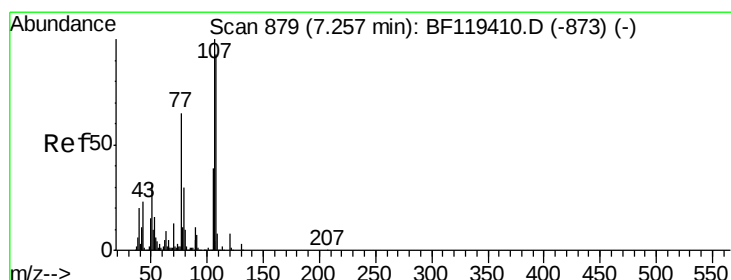
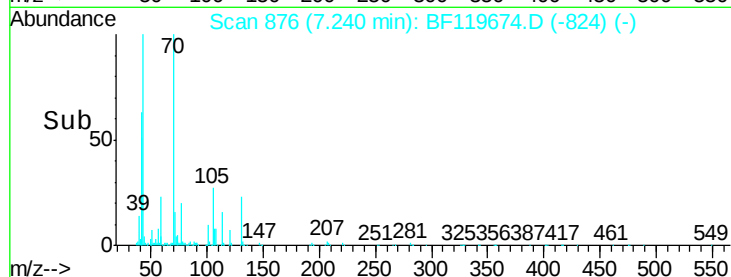
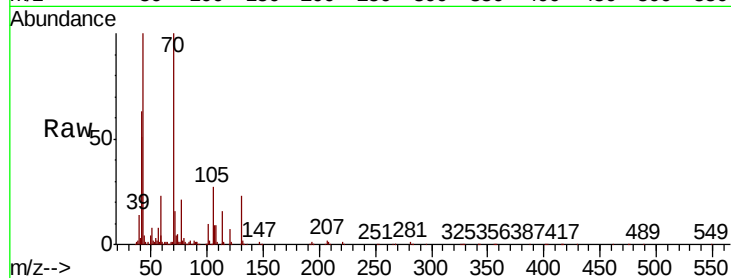
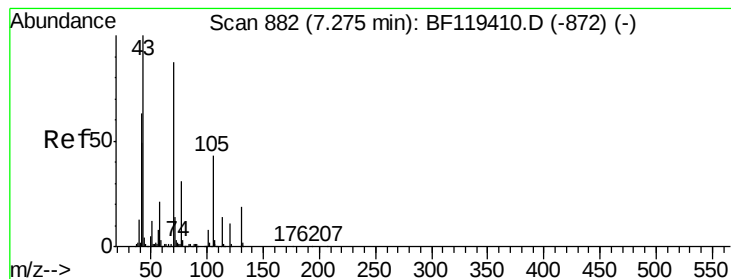
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 51.630 ng

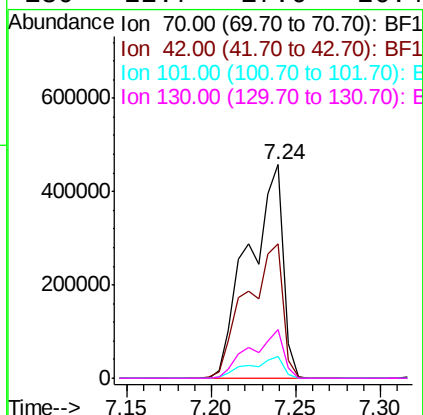
RT: 7.24 min Scan# 876

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.9	54.5	81.7
101	10.1	7.6	11.4
130	22.7	17.6	26.4



Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

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#20

3+4-Methylphenols

Concen: 45.916 ng

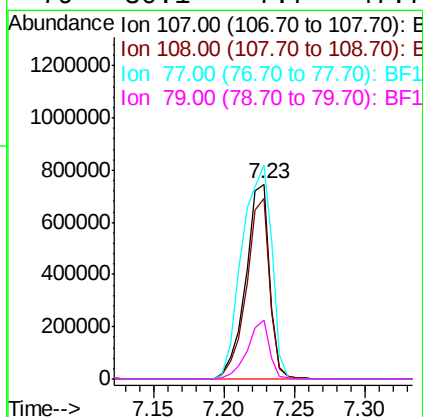
RT: 7.23 min Scan# 874

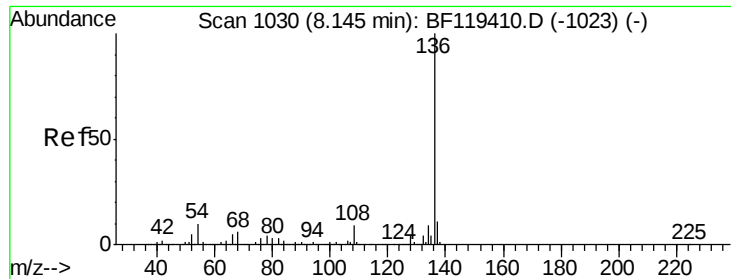
Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.5	67.9	107.9
77	109.5	52.9	92.9#
79	30.1	7.7	47.7





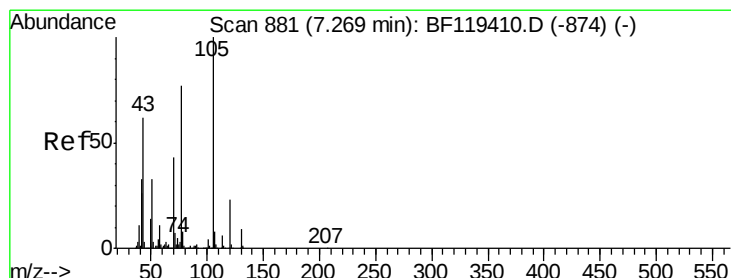
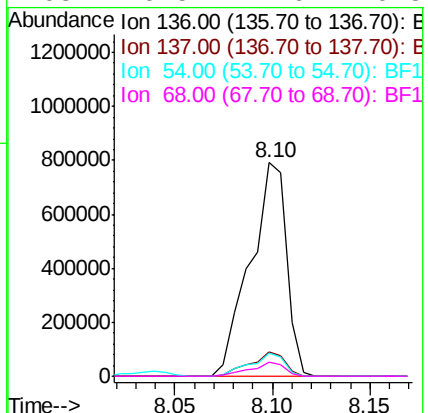
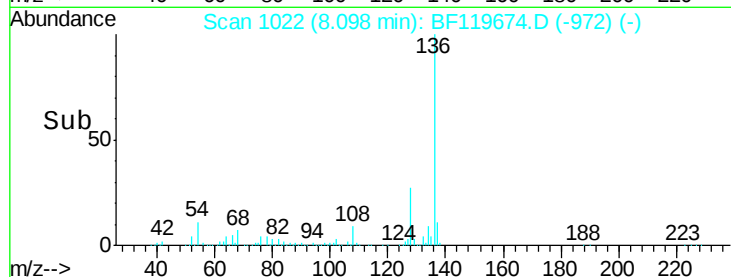
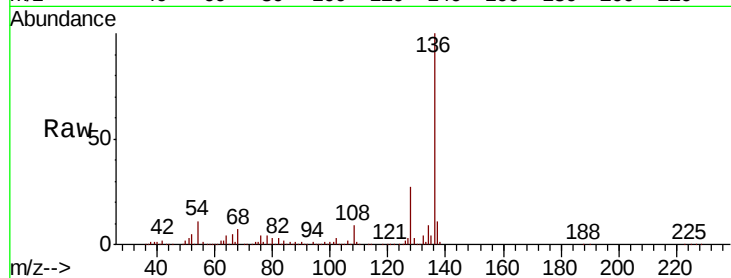
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.2	8.7	13.1		
54	10.6	9.1	13.7		
68	6.5	4.6	6.8		

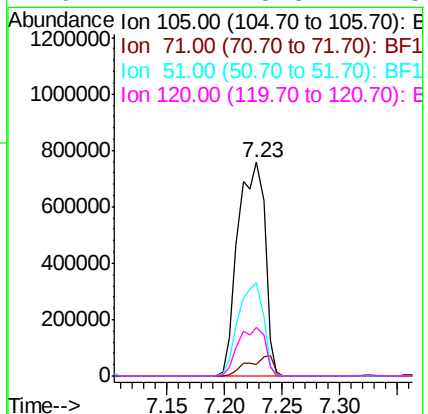
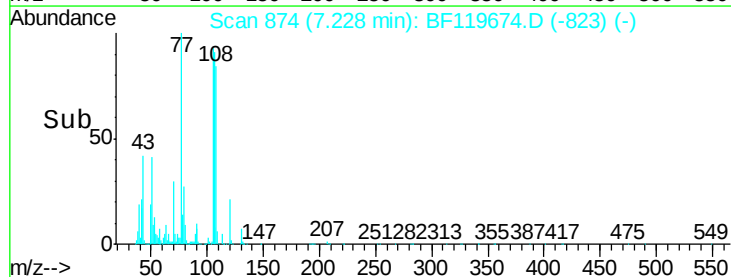
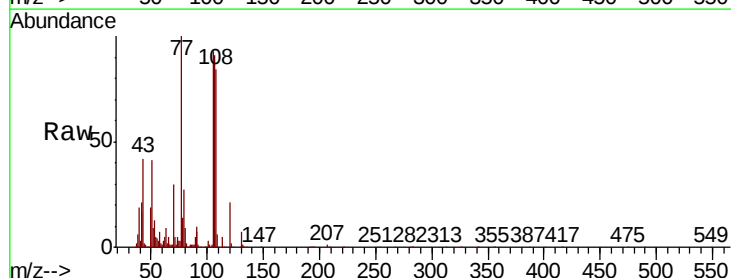
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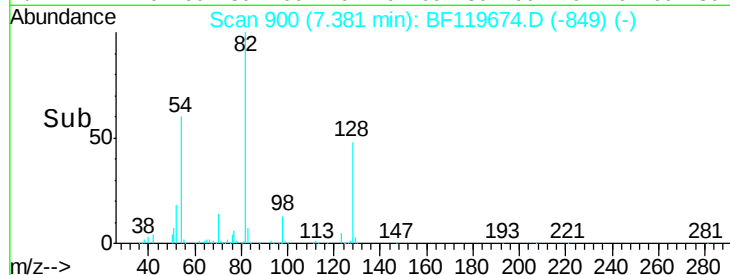
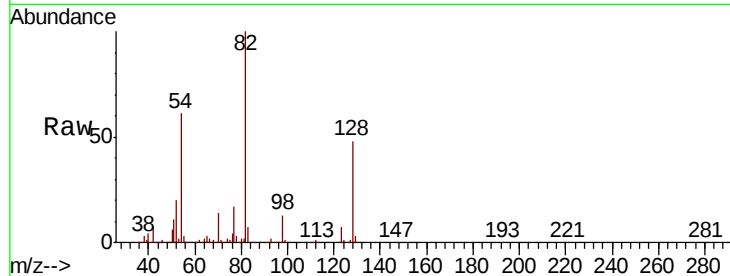
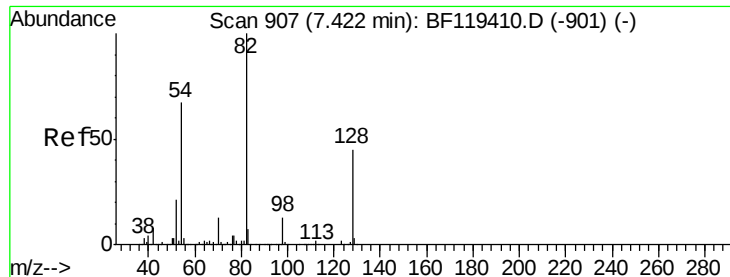
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#22
Acetophenone
Concen: 50.320 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
71	5.6	5.7	8.5#	
51	44.0	26.2	39.4#	
120	22.7	18.3	27.5	





#23

Nitrobenzene-d5

Concen: 97.609 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tot Ion: 82 Resp: 1836250

Ion Ratio Lower Upper

82 100

128 47.6 36.3 54.5

54 61.1 50.6 75.8

Instrument :

BNA_F

ClientSampleId :

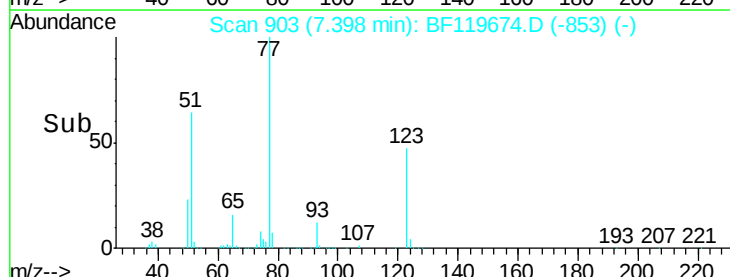
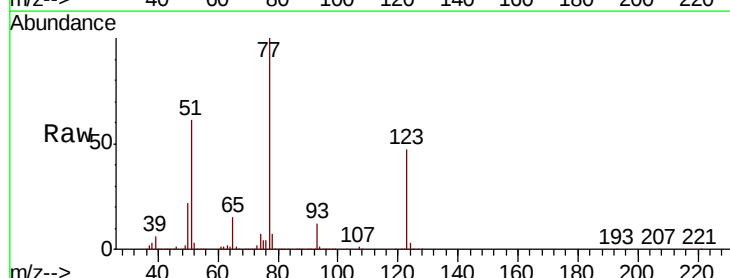
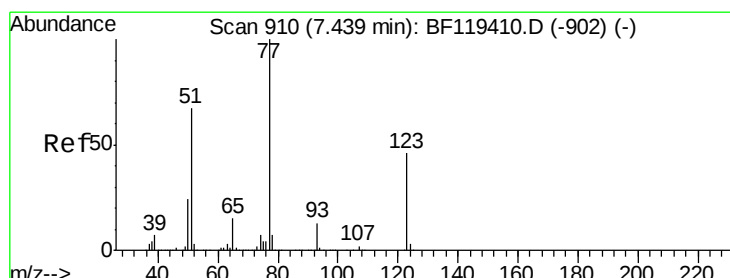
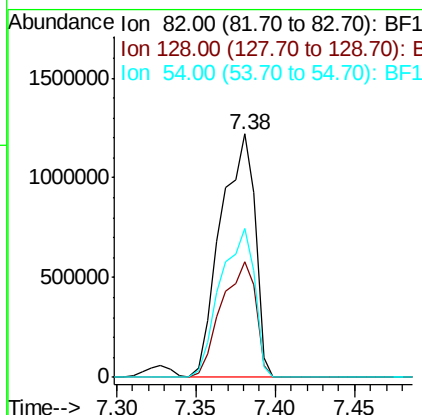
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#24

Nitrobenzene

Concen: 48.937 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

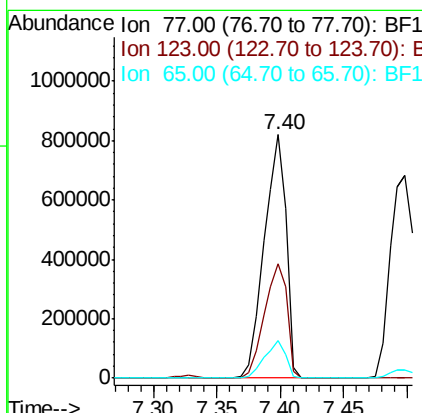
Tgt Ion: 77 Resp: 983865

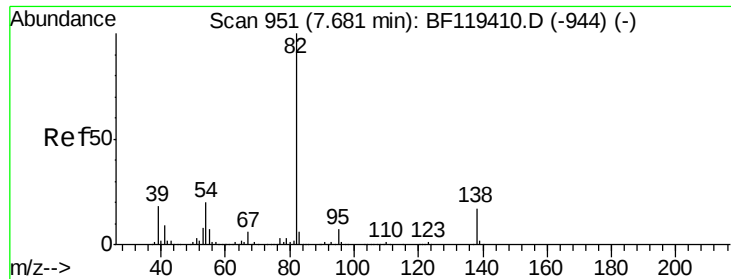
Ion Ratio Lower Upper

77 100

123 47.2 38.0 57.0

65 15.4 12.6 18.8





#25

Isophorone

Concen: 49.082 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion: 82 Resp: 1873046

Ion Ratio Lower Upper

82 100

95 6.6 5.8 8.6

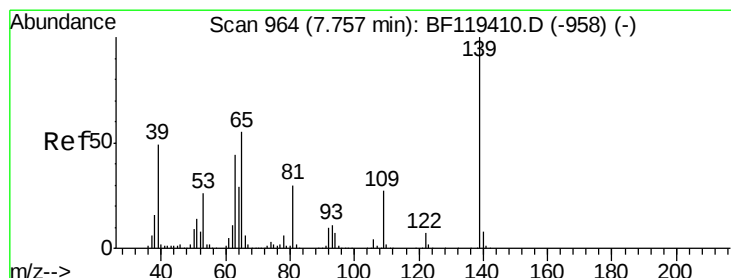
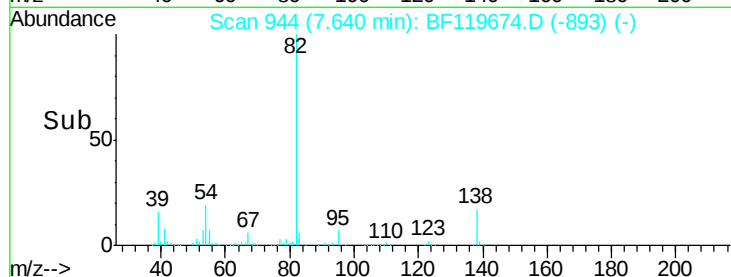
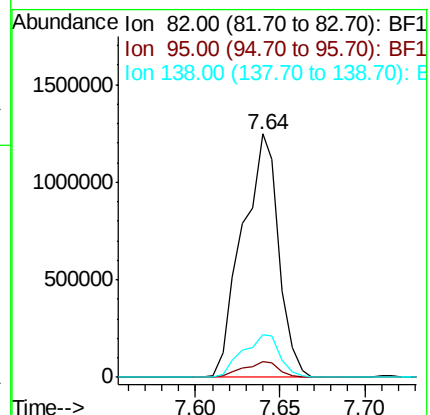
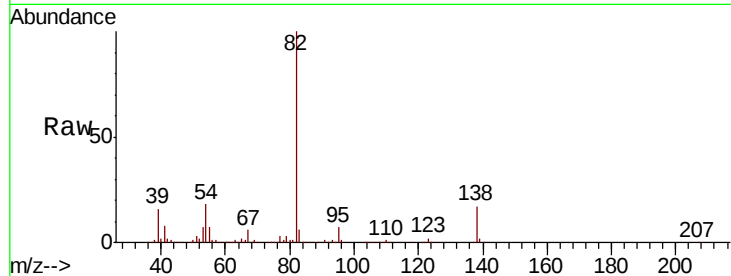
138 17.3 14.6 21.8

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#26

2-Nitrophenol

Concen: 63.704 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

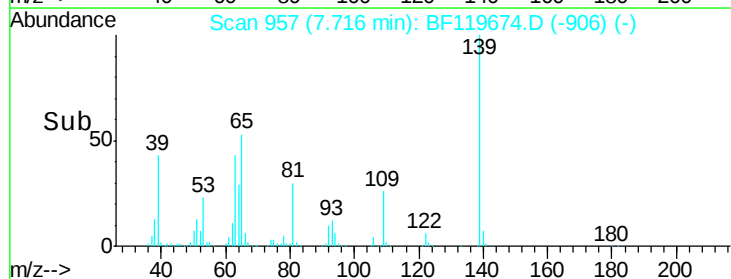
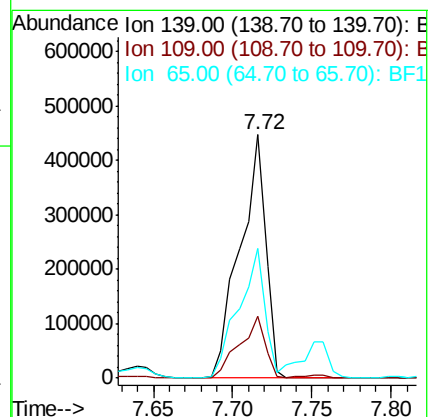
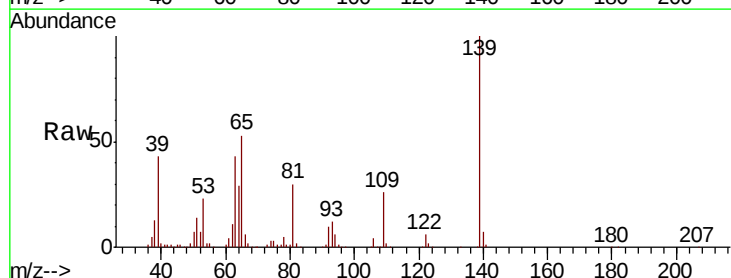
Tgt Ion: 139 Resp: 504278

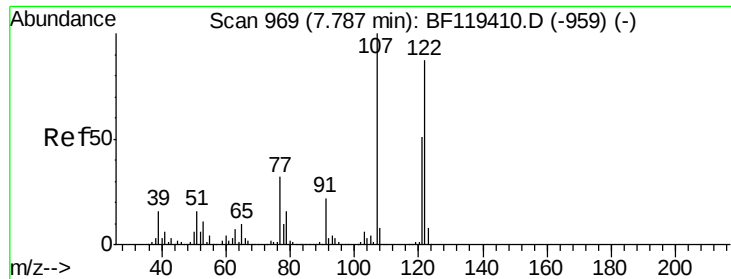
Ion Ratio Lower Upper

139 100

109 25.6 22.1 33.1

65 53.4 49.2 73.8





#27

2,4-Dimethylphenol

Concen: 51.285 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

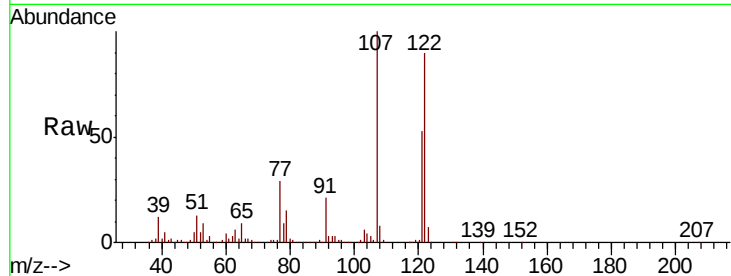
ClientSampleId :

TR-04-032720MSD

Tot Ion:	122	Resp:	839448
Ion Ratio	Lower	Upper	
122	100		
107	110.9	89.0	133.6
121	58.5	46.7	70.1

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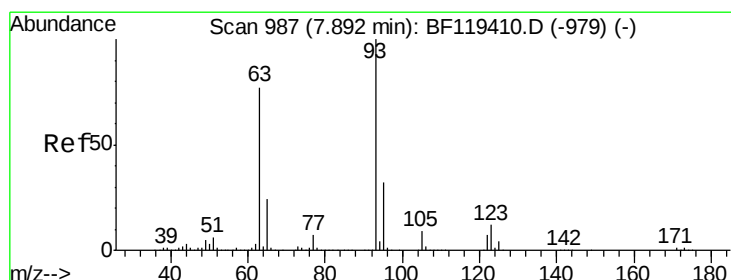
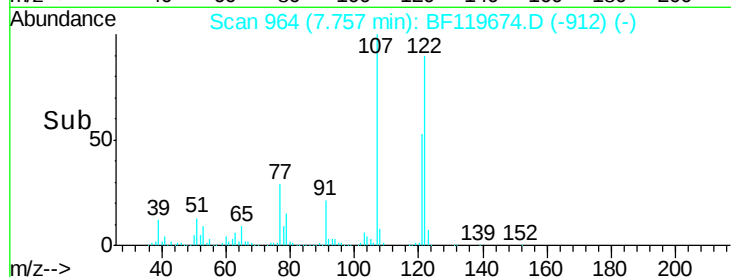
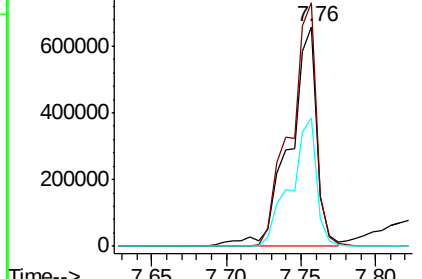
mohammad
4/3/2020 11:14:29 PM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 52.896 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF119674.D

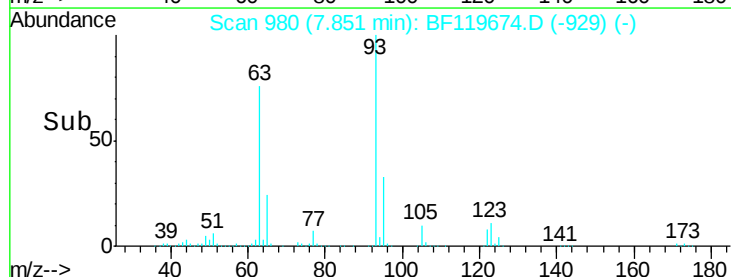
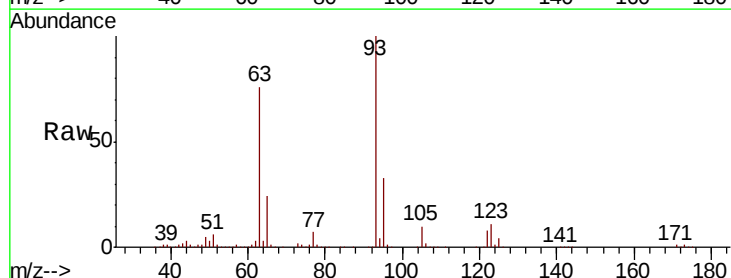
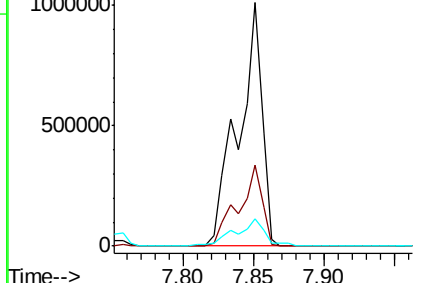
Acq: 1 Apr 2020 15:00

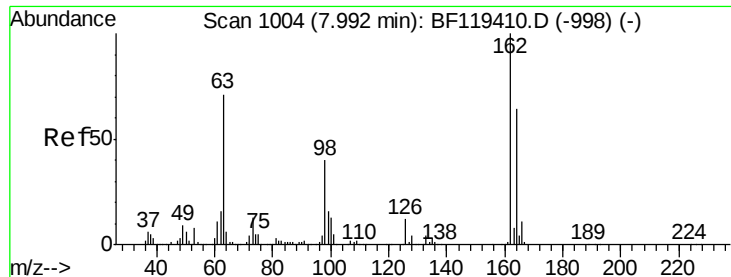
Tgt Ion:	93	Resp:	1193646
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.3	39.5
123	11.3	9.7	14.5

Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





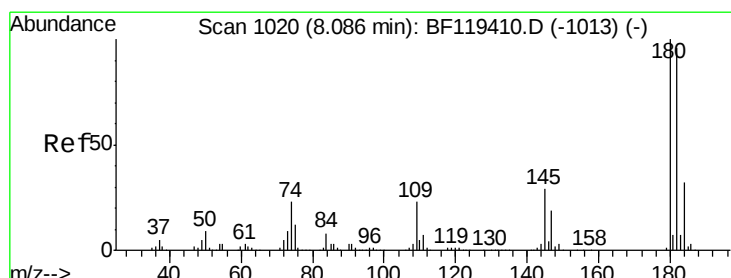
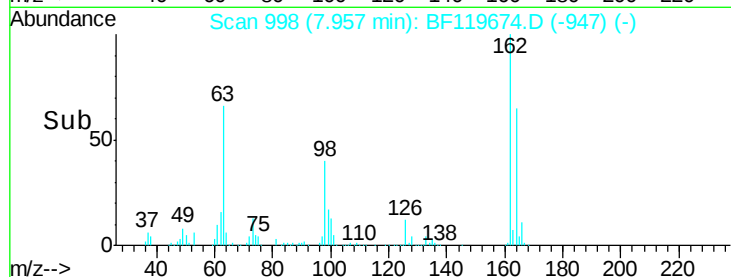
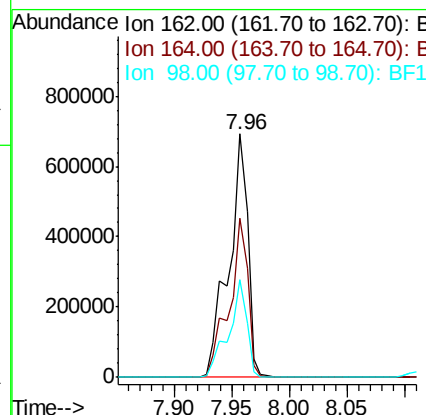
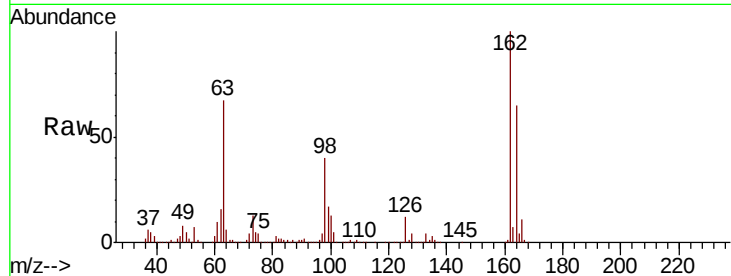
#29
2,4-Dichlorophenol
Concen: 52.667 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	40.4	20.7	60.7

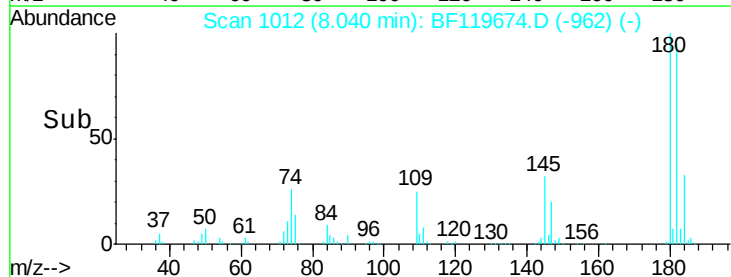
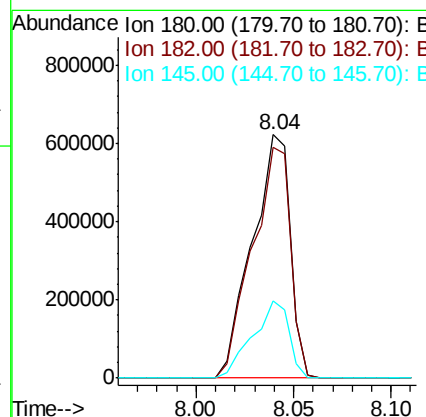
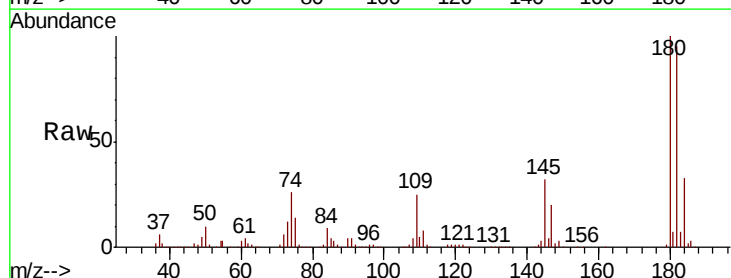
Manual Integrations
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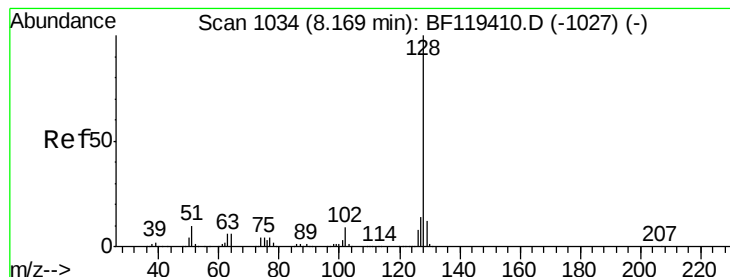
mohammad
4/3/2020 11:14:29 PM



#30
1,2,4-Trichlorobenzene
Concen: 50.399 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.7	112.1
145	31.6	24.5	36.7





#31

Naphthalene

Concen: 51.677 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:128 Resp: 2718965

Ion Ratio Lower Upper

128 100

129 11.6 9.5 14.3

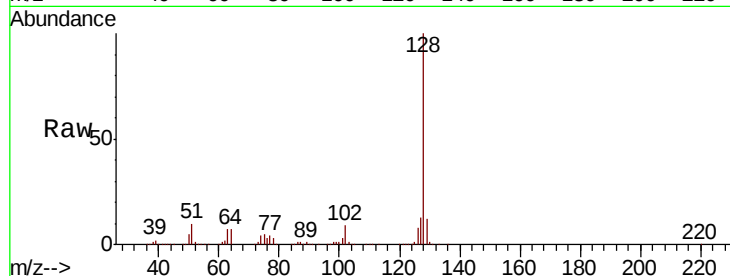
127 13.4 11.3 16.9

Manual Integrations

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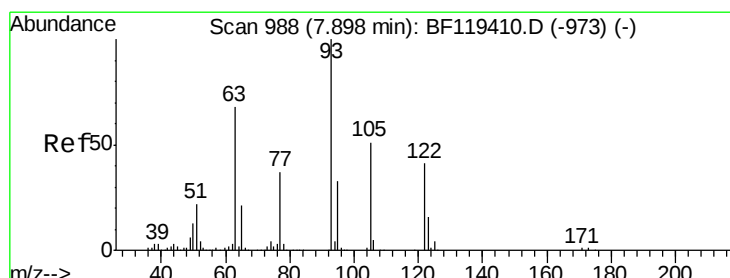
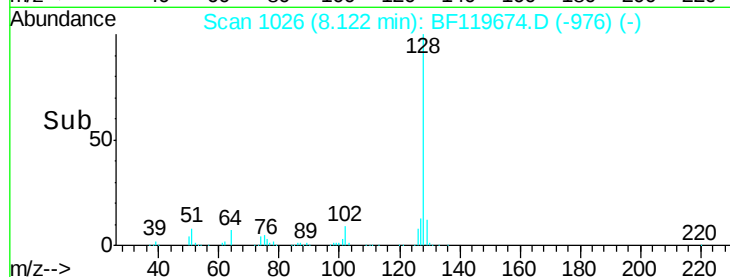
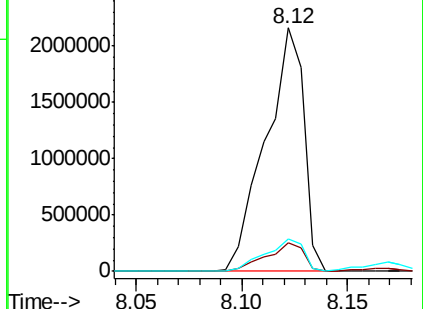
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 43.866 ng m

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

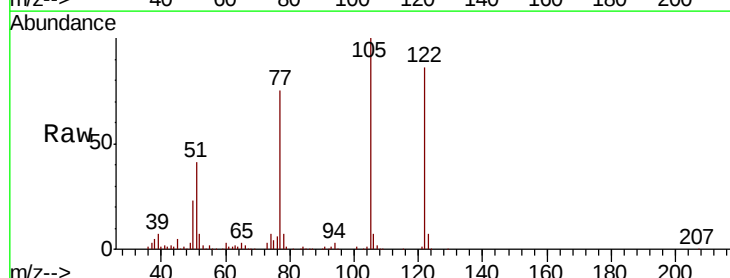
Tgt Ion:122 Resp: 461864

Ion Ratio Lower Upper

122 100

105 116.8 104.9 144.9

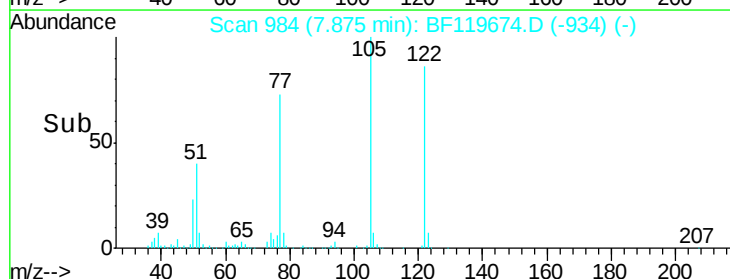
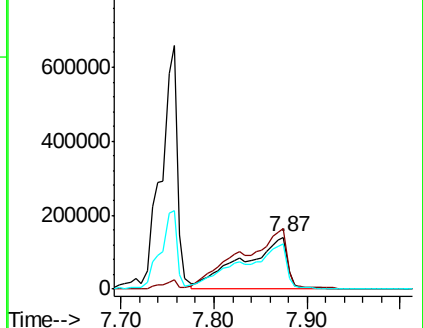
77 87.2 74.4 114.4

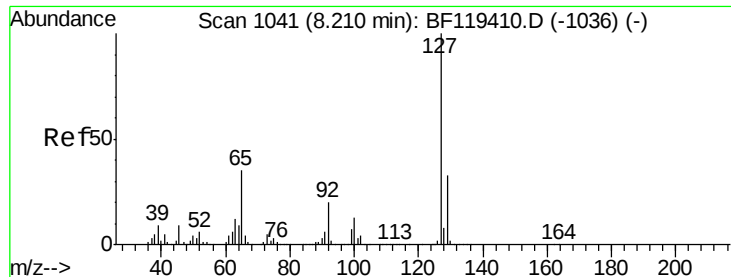


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





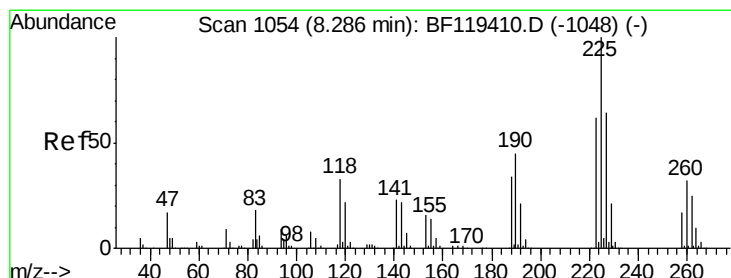
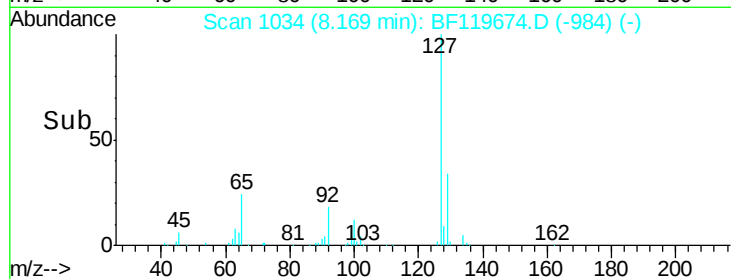
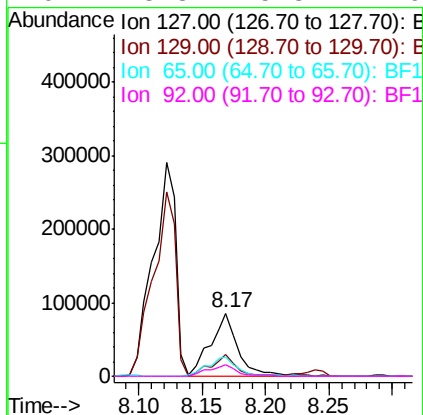
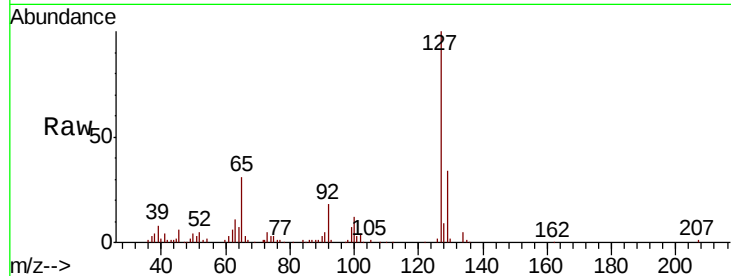
#33
4-Chloroaniline
Concen: 5.339 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.3	26.2	39.4	
65	30.7	27.4	41.0	
92	18.3	15.3	22.9	

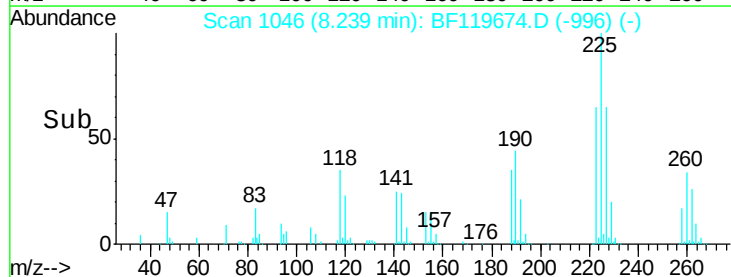
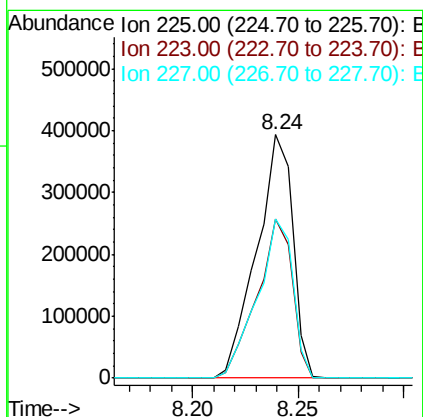
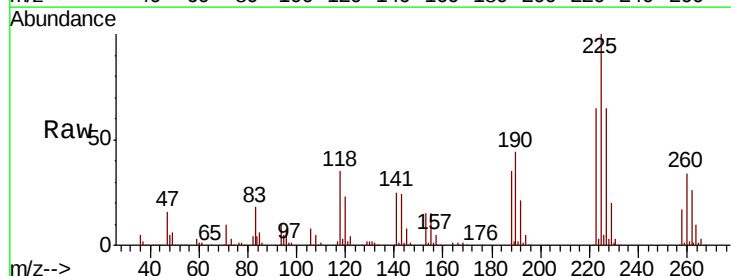
Manual Integrations
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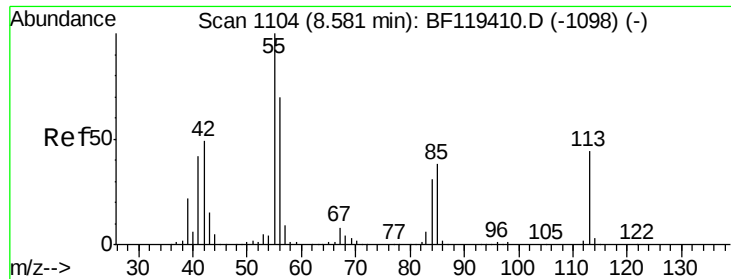
mohammad
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#34
Hexachlorobutadiene
Concen: 50.391 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	51.0	76.6	
227	65.4	50.7	76.1	





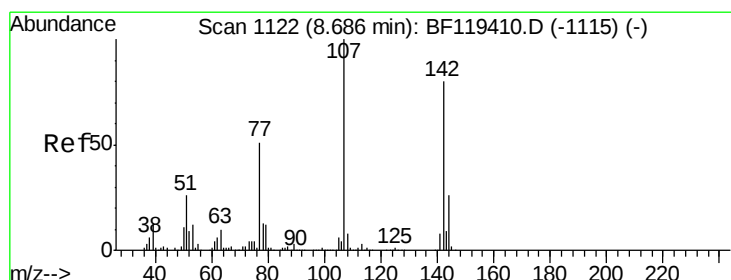
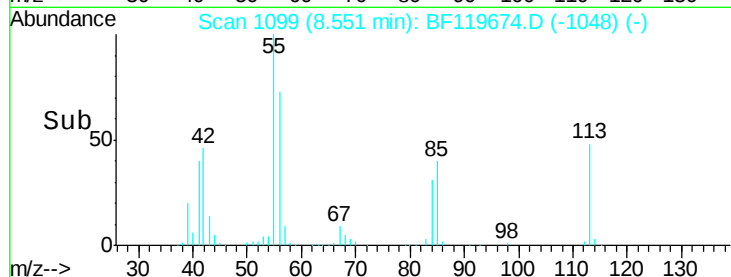
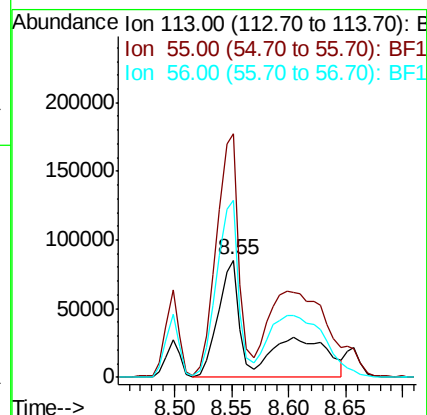
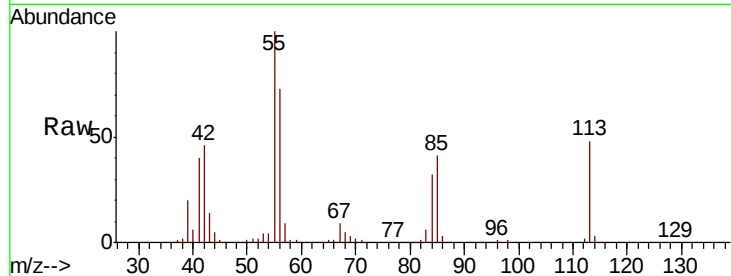
#35
Caprolactam
Concen: 41.692 ng/ml
RT: 8.55 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	207.3	218.4	258.4#
56	150.7	148.9	188.9

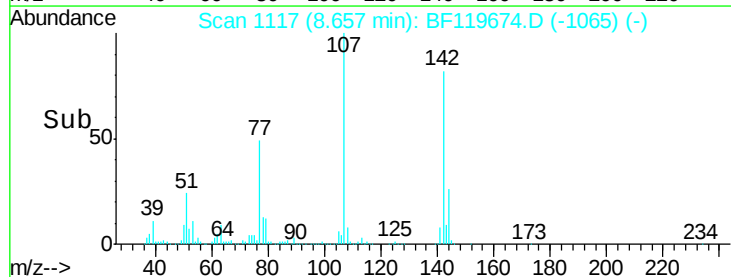
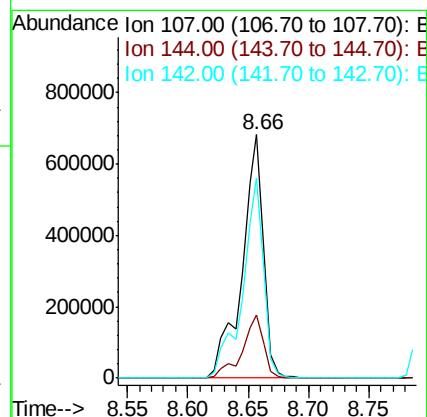
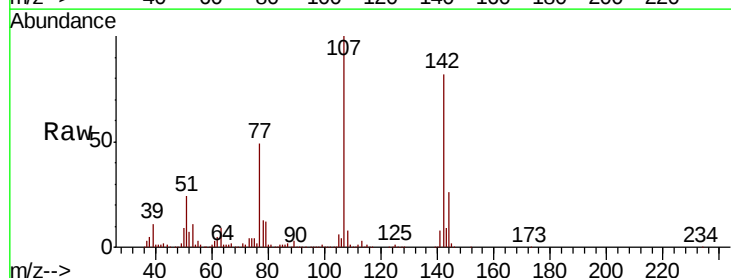
Manual Integrations
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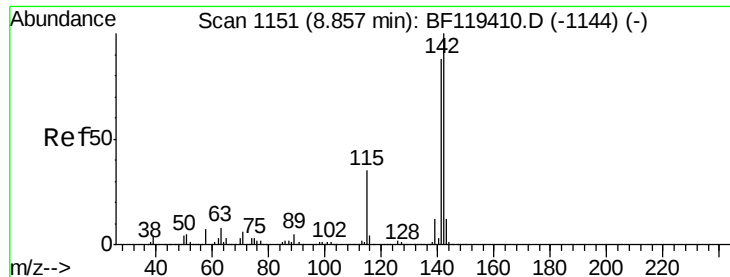
mohammad
4/3/2020 11:14:29 PM



#36
4-Chloro-3-methylphenol
Concen: 51.335 ng/ml
RT: 8.66 min Scan# 1117
Delta R.T. 0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.6
142	82.1	64.4	96.6





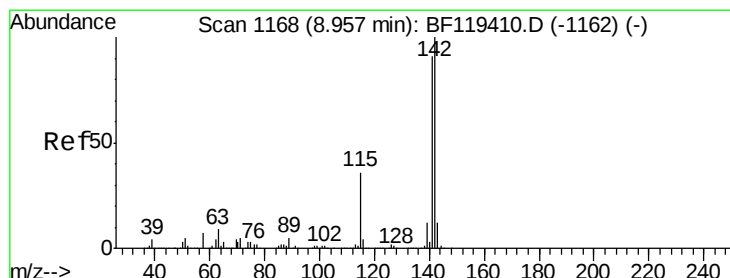
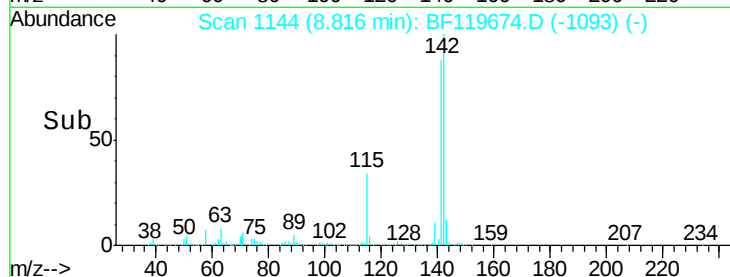
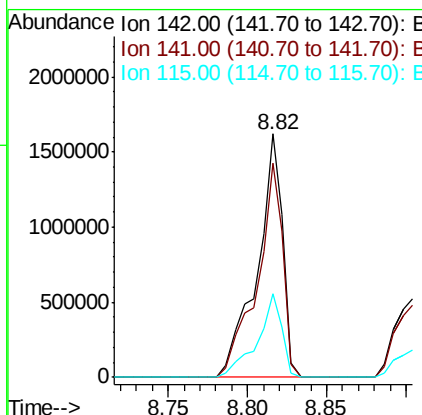
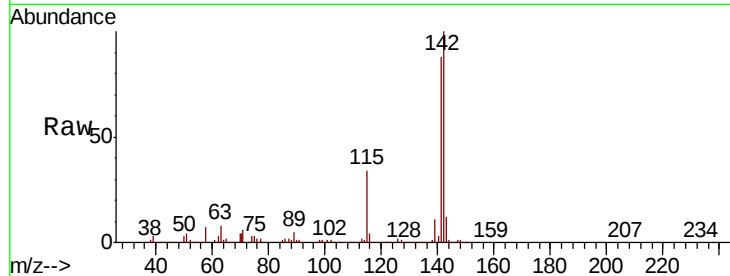
#37
 2-Methylnaphthalene
 Concen: 52.954 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.7	107.5
115	34.1	27.9	41.9

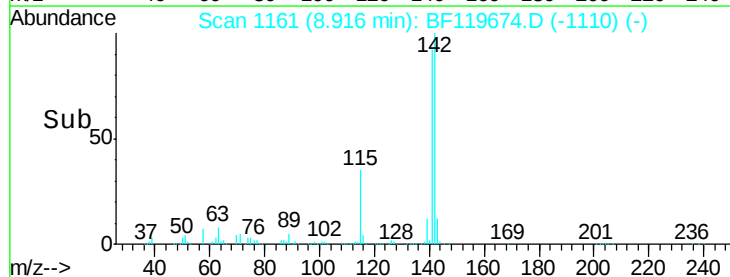
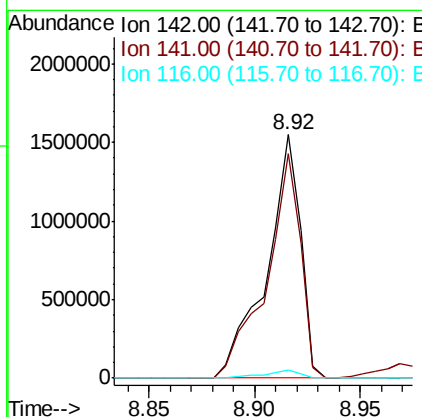
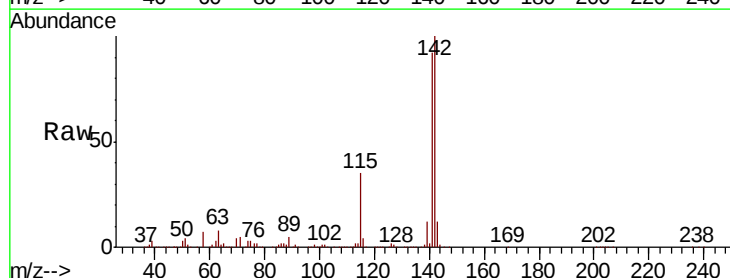
Manual Integrations
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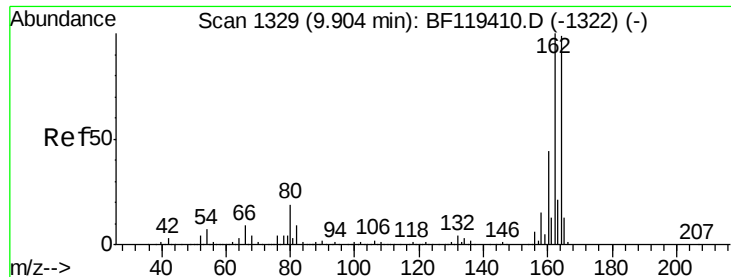
mohammad
 4/3/2020 11:14:29 PM



#38
 1-Methylnaphthalene
 Concen: 52.985 ng
 RT: 8.92 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.7	110.5
116	3.6	3.0	4.6





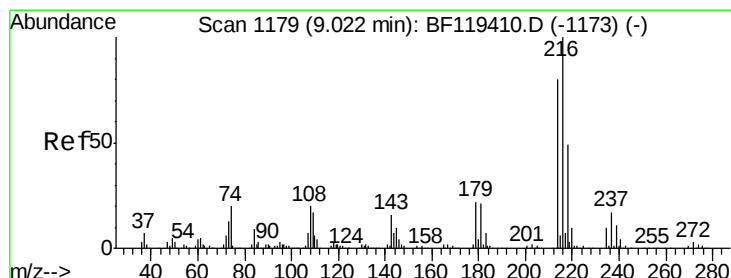
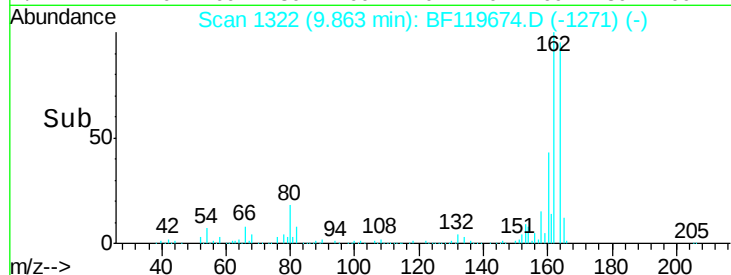
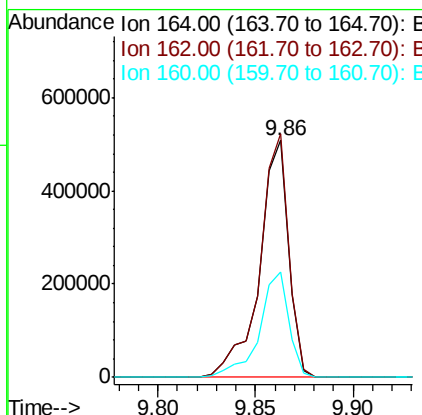
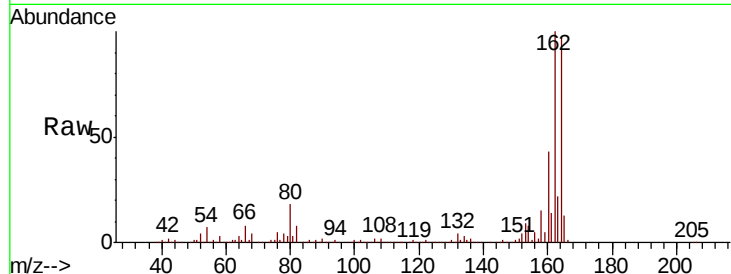
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	80.6	121.0	
160	44.3	35.7	53.5	

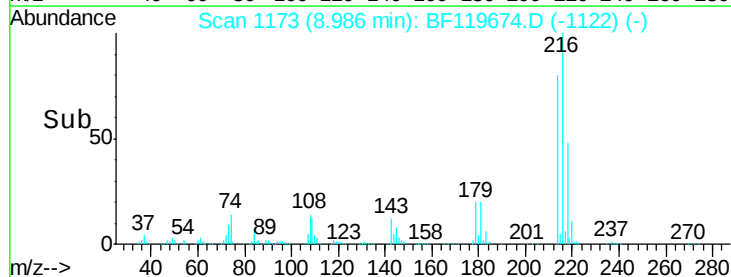
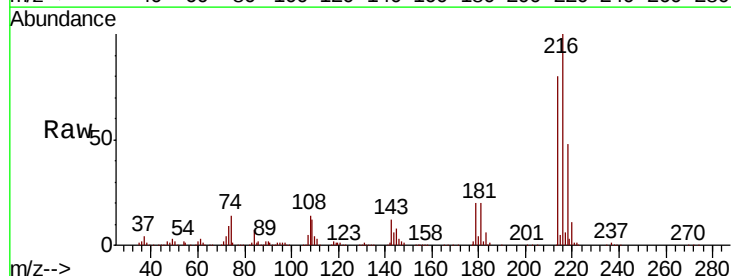
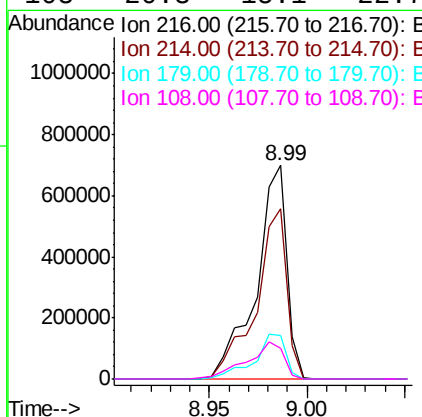
Manual Integrations
APPROVED

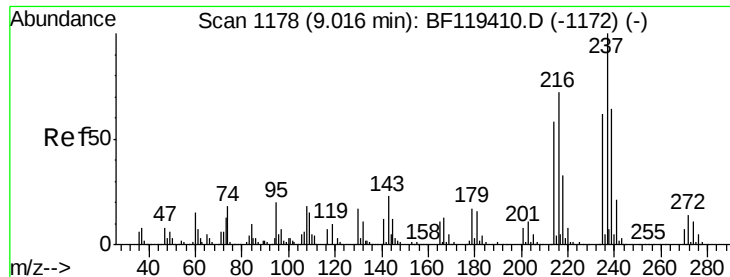
mohammad
4/3/2020 11:14:29 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.294 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.8	63.2	94.8	
179	21.5	17.1	25.7	
108	20.3	15.1	22.7	





#41

Hexachlorocyclopentadiene

Concen: 102.283 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

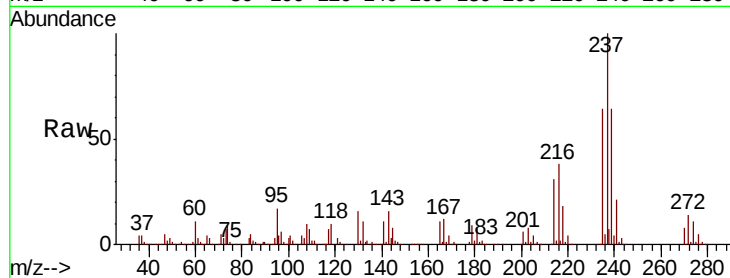
ClientSampleId :

TR-04-032720MSD

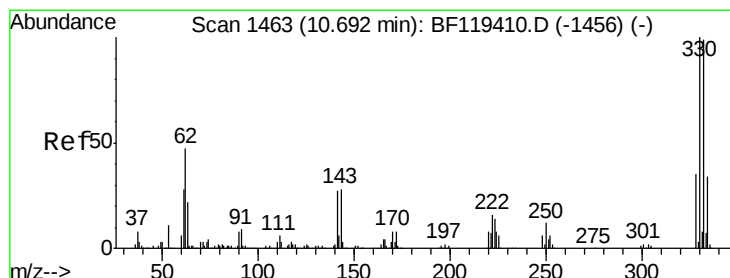
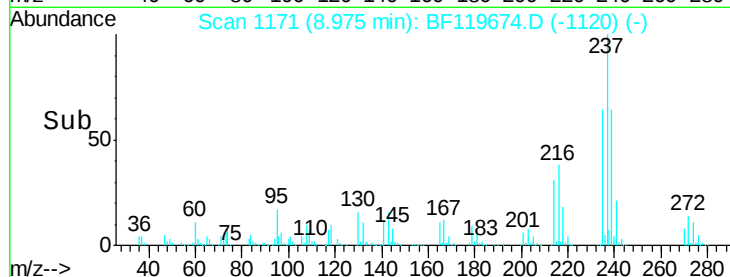
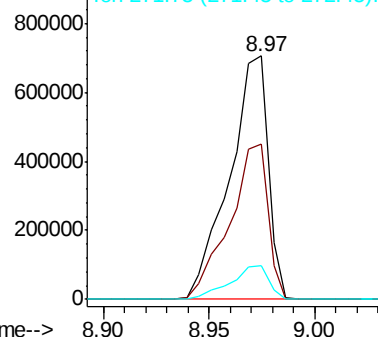
Tot Ion:	237	Resp:	902250
Ion Ratio	Lower	Upper	
237	100		
235	63.7	43.2	83.2
272	14.0	0.0	34.1

Manual Integrations
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4/3/2020 11:14:29 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 152.929 ng

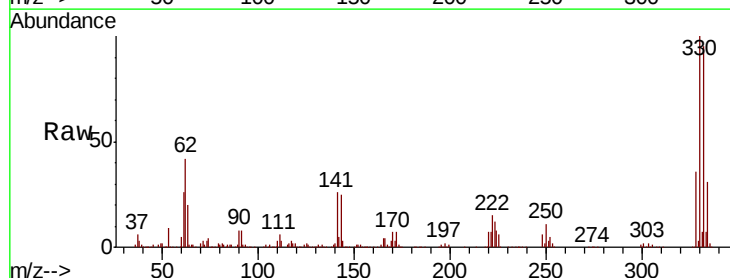
RT: 10.66 min Scan# 1457

Delta R.T. 0.01 min

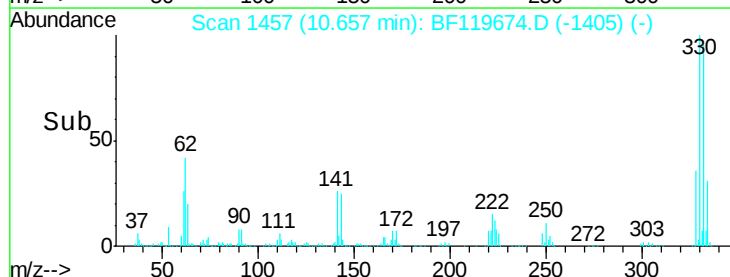
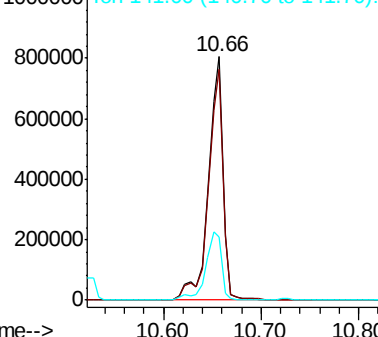
Lab File: BF119674.D

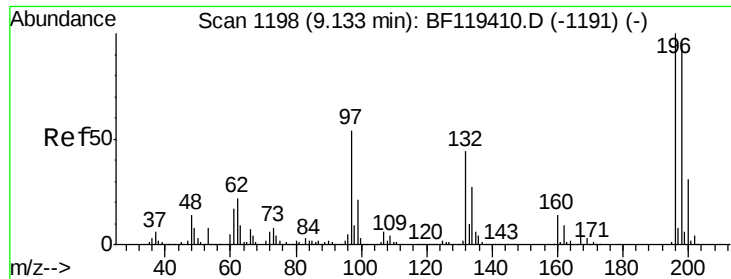
Acq: 1 Apr 2020 15:00

Tgt Ion:	330	Resp:	835188
Ion Ratio	Lower	Upper	
330	100		
332	95.7	75.7	113.5
141	30.7	25.4	38.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





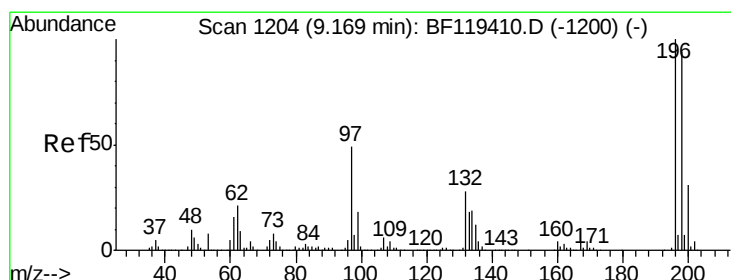
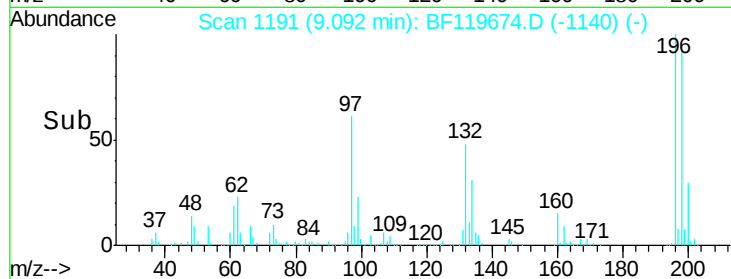
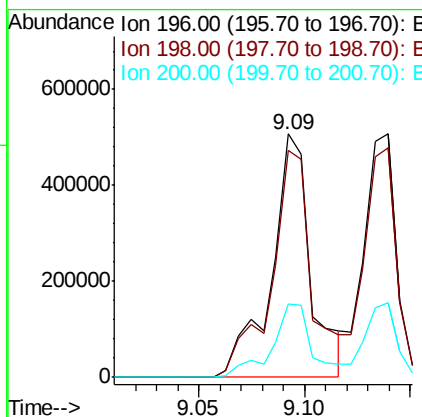
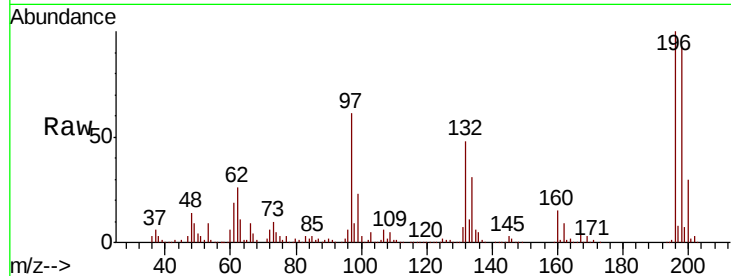
#43
 2,4,6-Trichlorophenol
 Concen: 59.159 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	656884		
198	93.3	76.6	115.0	
200	29.9	24.6	36.8	

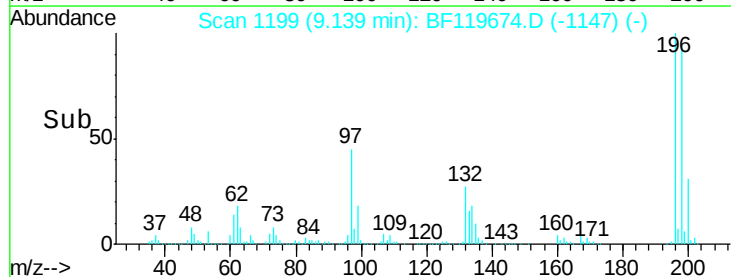
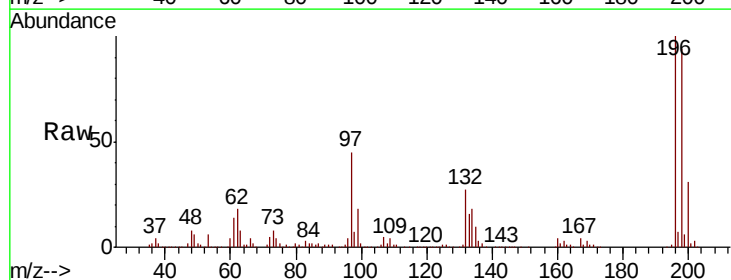
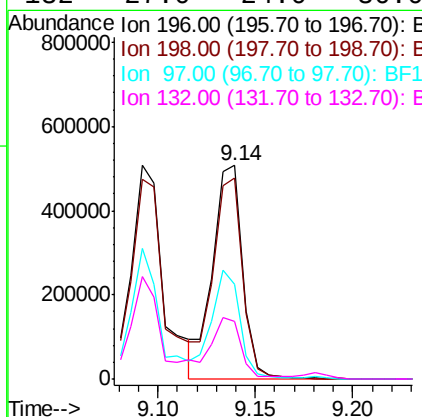
Manual Integrations
 APPROVED

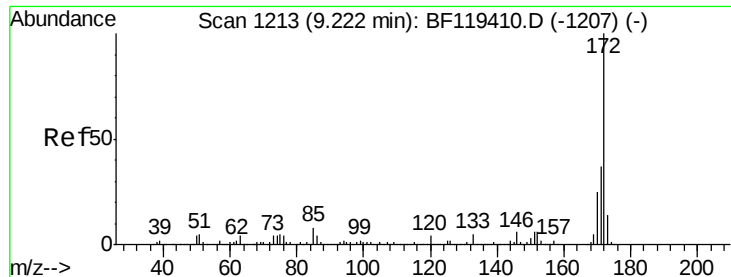
mohammad
 4/3/2020 11:14:29 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.537 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	541539		
198	94.2	73.8	110.8	
97	44.6	42.6	63.8	
132	27.0	24.0	36.0	





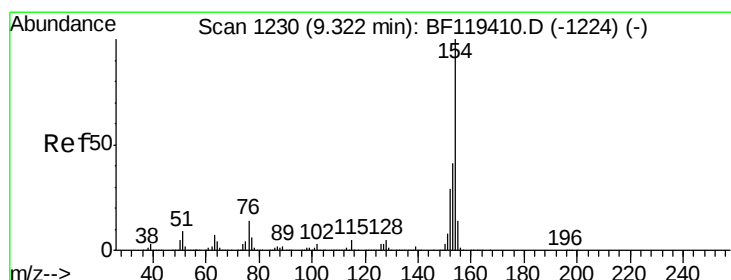
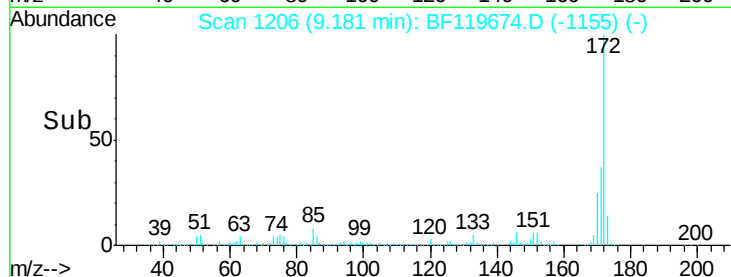
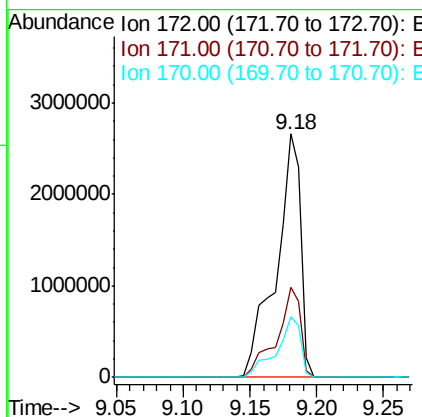
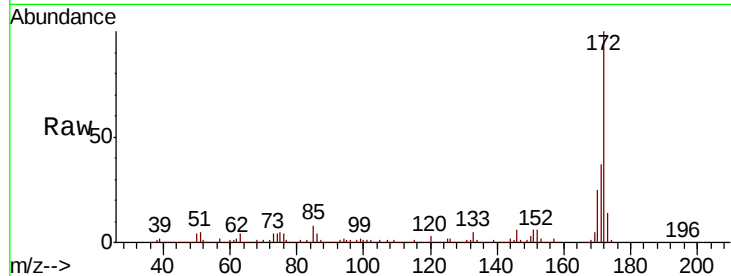
#45
2-Fluorobiphenyl
Concen: 96.117 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.7	20.2	30.2

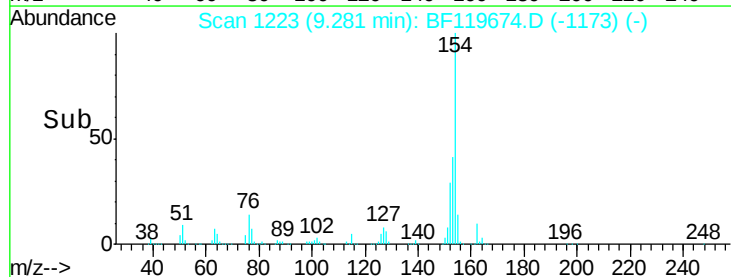
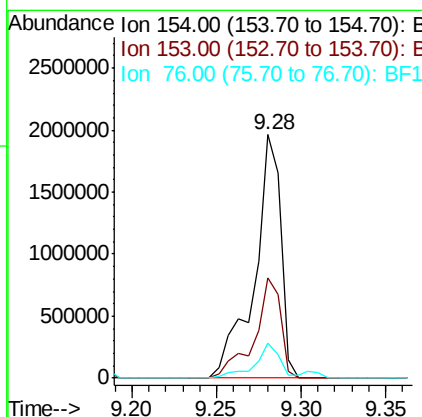
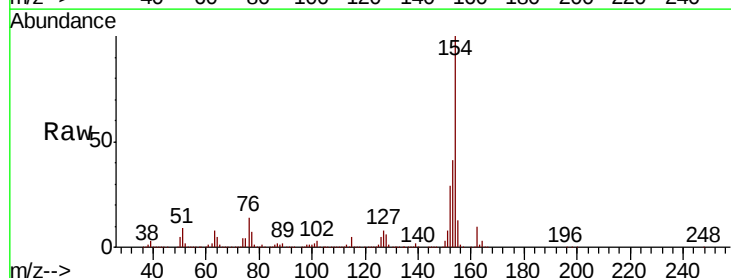
Manual Integrations
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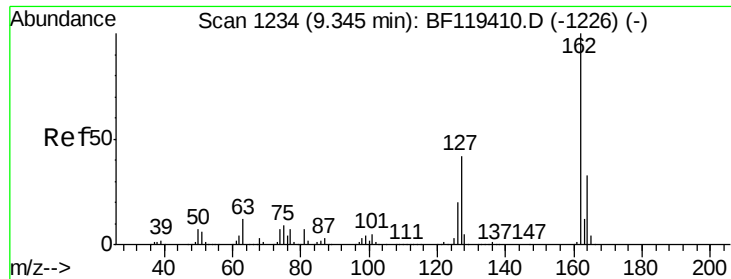
mohammad
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#46
1,1'-Biphenyl
Concen: 49.716 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.4	61.4
76	14.4	0.0	33.0





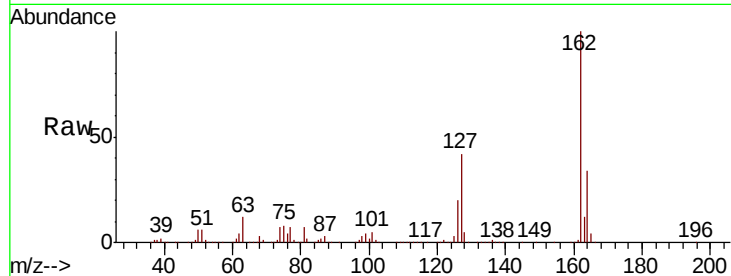
#47
2-Chloronaphthalene
Concen: 49.577 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

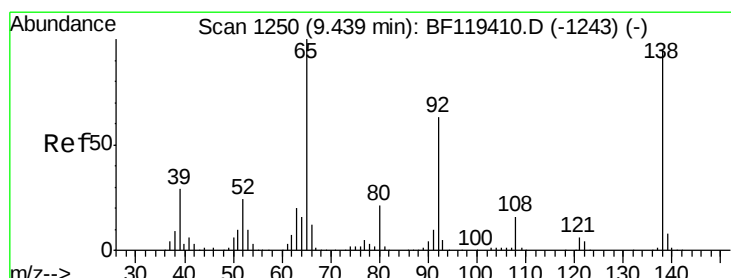
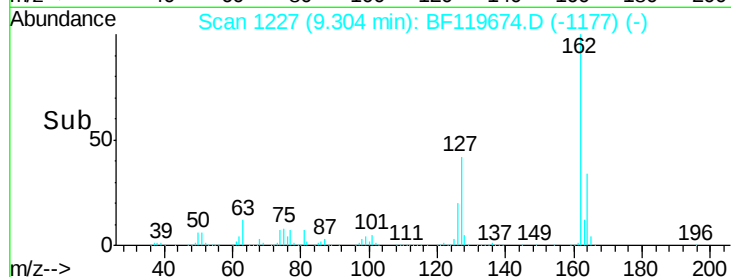
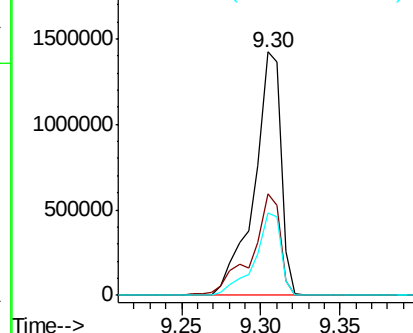
Tot Ion: 162 Resp: 1674297
Ion Ratio Lower Upper
162 100
127 42.0 33.7 50.5
164 33.7 26.3 39.5

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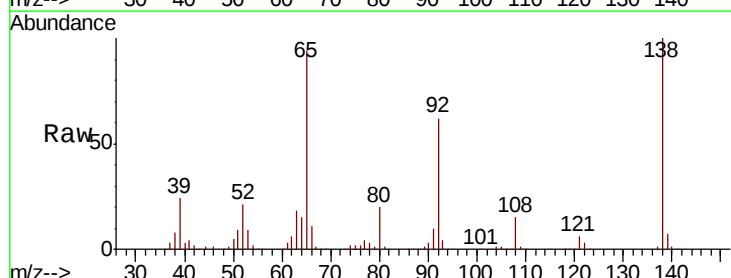


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

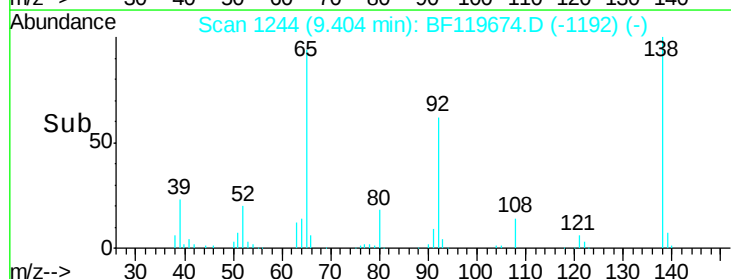
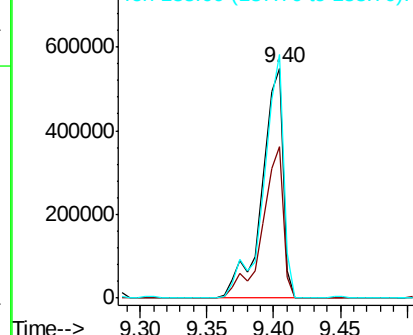


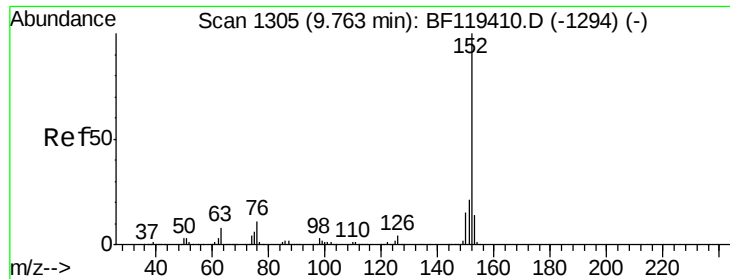
#48
2-Nitroaniline
Concen: 51.277 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion: 65 Resp: 597719
Ion Ratio Lower Upper
65 100
92 66.0 50.0 75.0
138 106.1 75.0 112.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





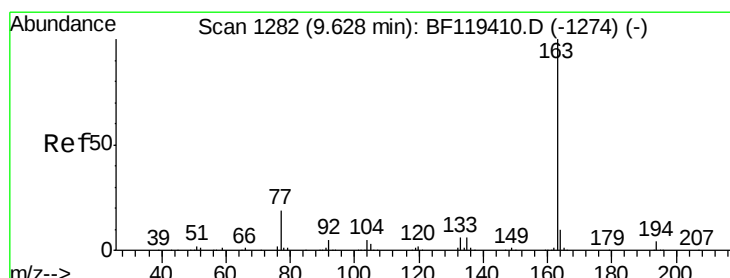
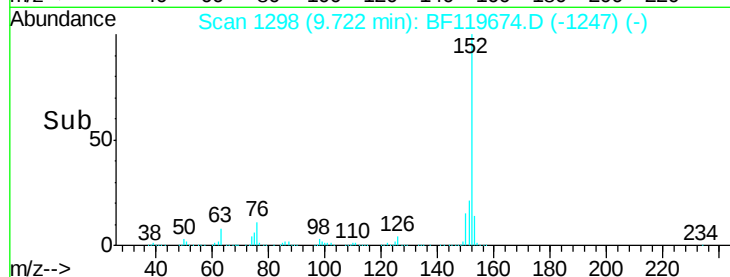
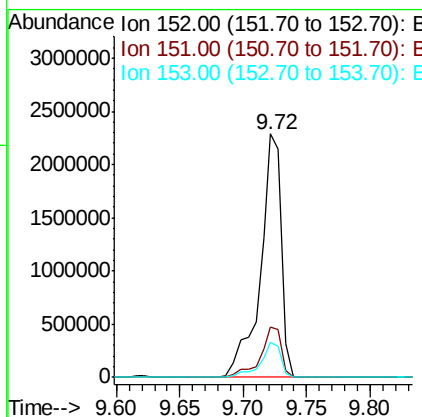
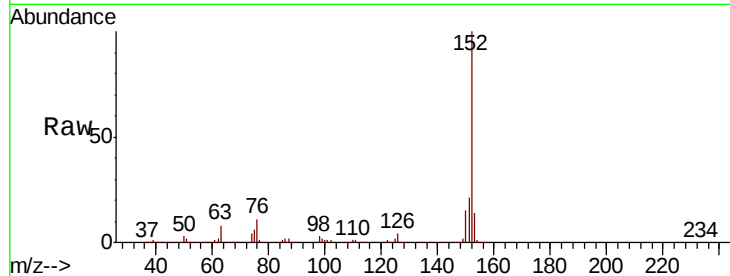
#49
Acenaphthylene
Concen: 49.796 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.2	25.8
153	14.2	11.2	16.8

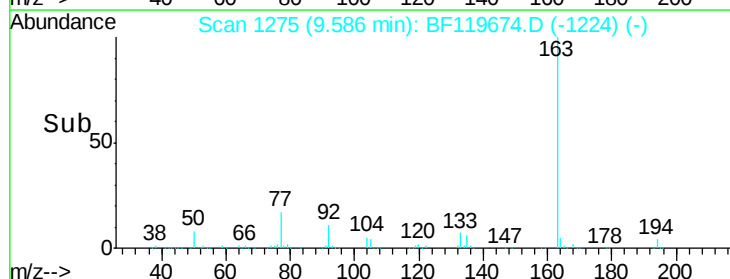
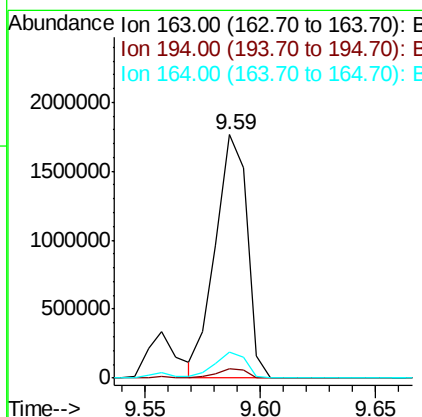
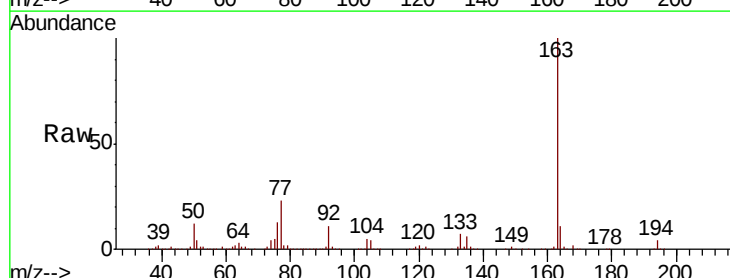
Manual Integrations
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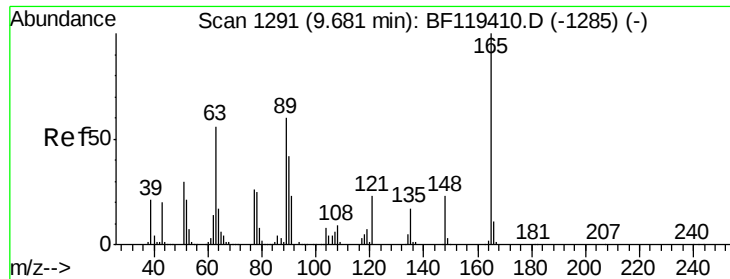
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#50
Dimethylphthalate
Concen: 44.655 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.2	12.2





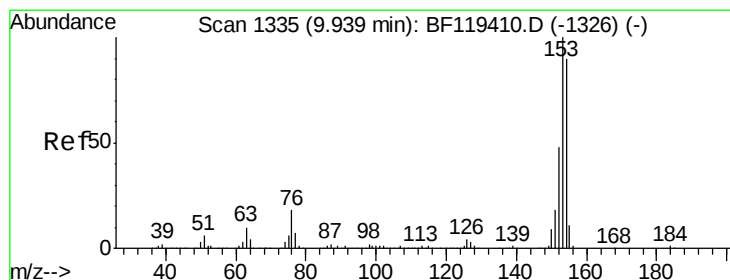
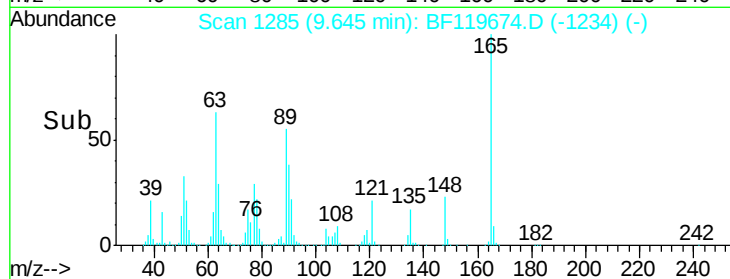
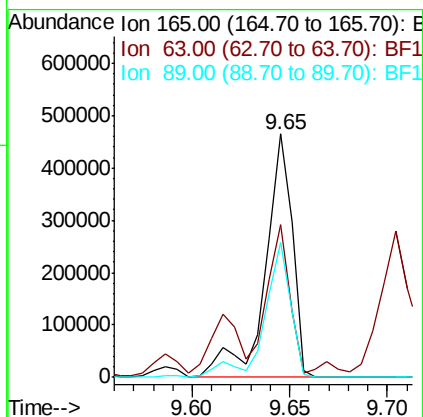
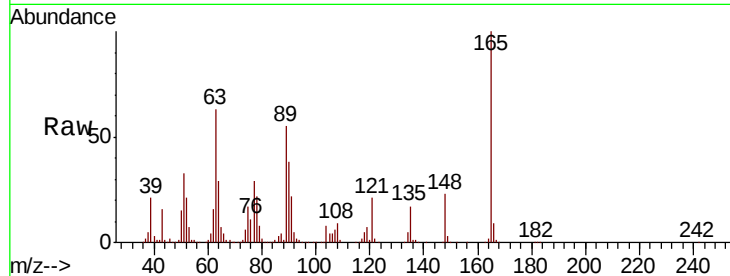
#51
2,6-Dinitrotoluene
Concen: 55.779 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion:	165	Resp:	449554
Ion Ratio	Lower	Upper	
165	100		
63	62.6	45.0	67.4
89	55.2	41.5	62.3

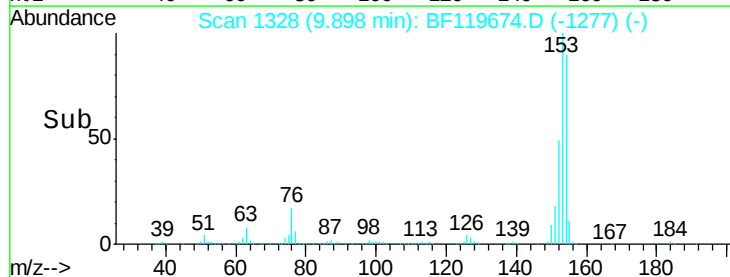
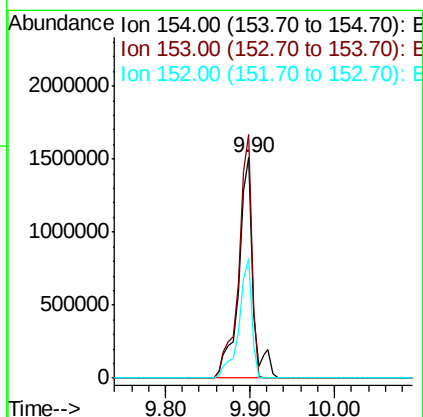
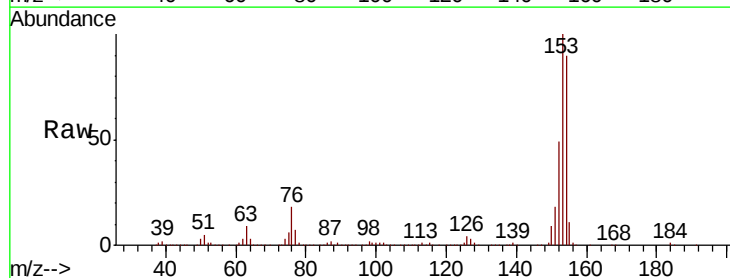
Manual Integrations
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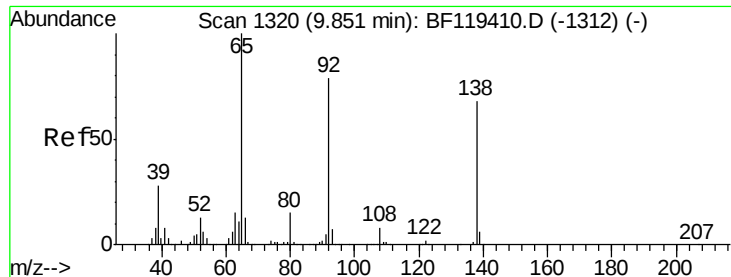
mohammad
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#52
Acenaphthene
Concen: 53.130 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion:	154	Resp:	1756605
Ion Ratio	Lower	Upper	
154	100		
153	110.6	88.1	132.1
152	54.1	43.0	64.4





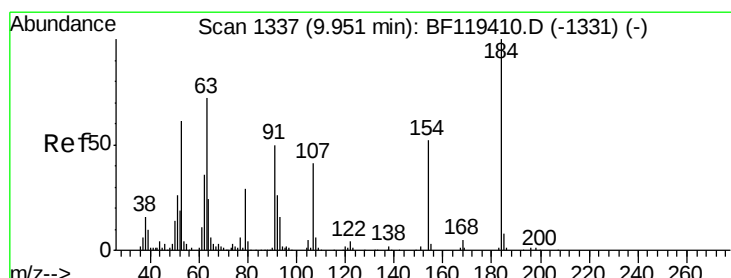
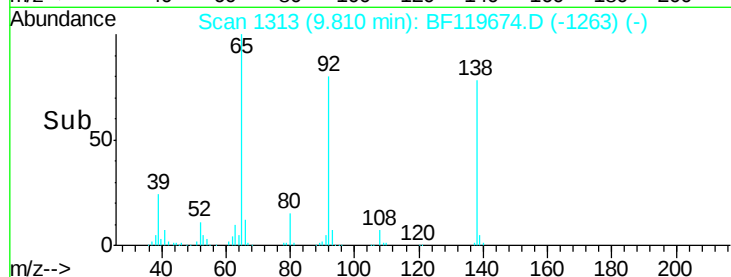
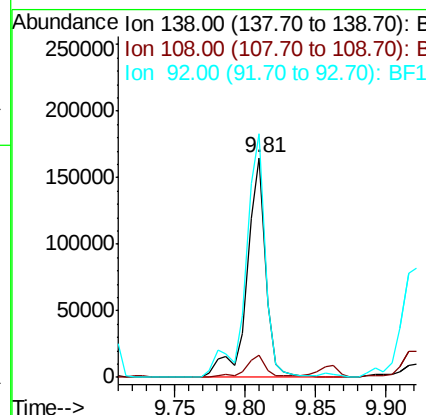
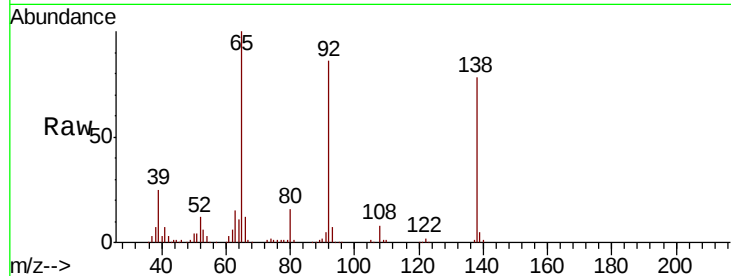
#53
3-Nitroaniline
Concen: 15.085 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.6	13.0
92	110.8	95.4	143.0

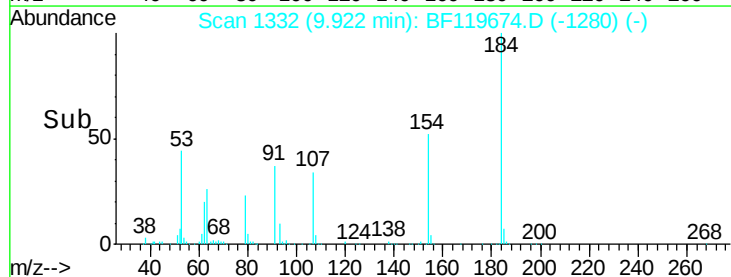
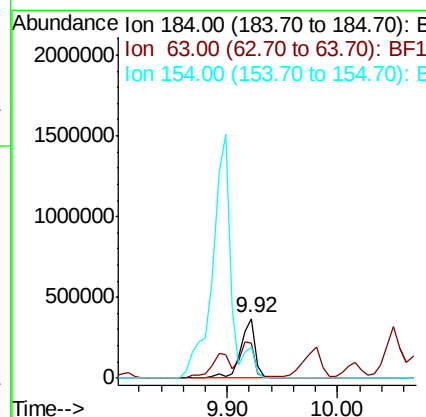
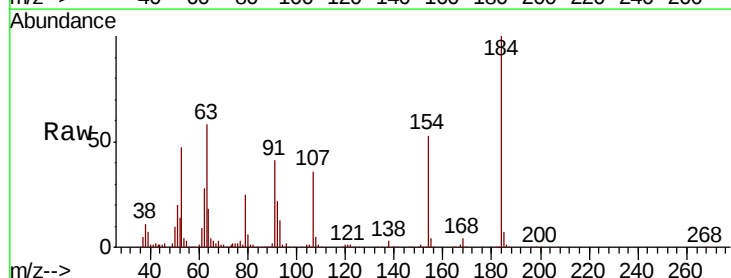
Manual Integrations
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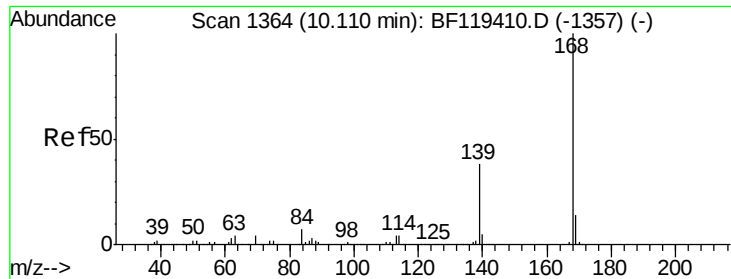
mohammad
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#54
2,4-Dinitrophenol
Concen: 95.810 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.5	50.2	75.4
154	52.6	44.5	66.7





#55

Dibenzofuran

Concen: 49.586 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:168 Resp: 2350519

Ion Ratio Lower Upper

168 100

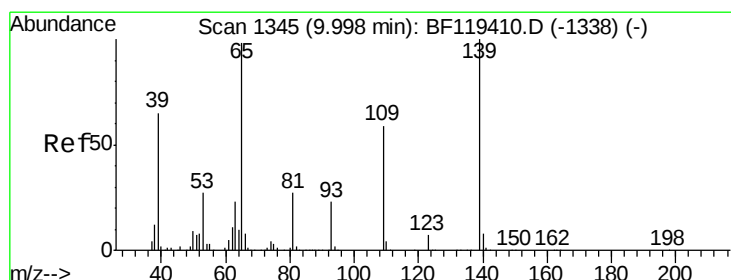
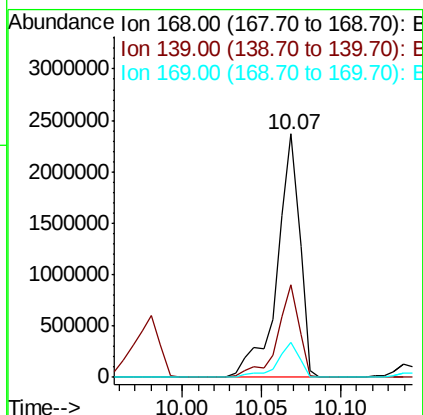
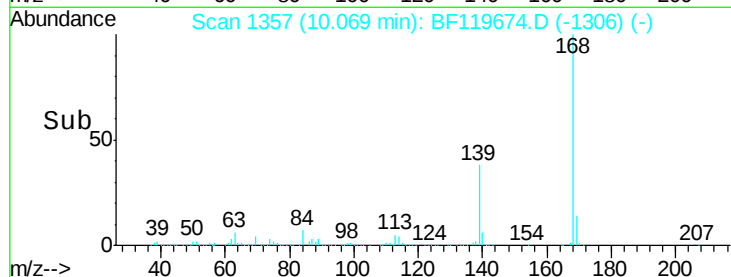
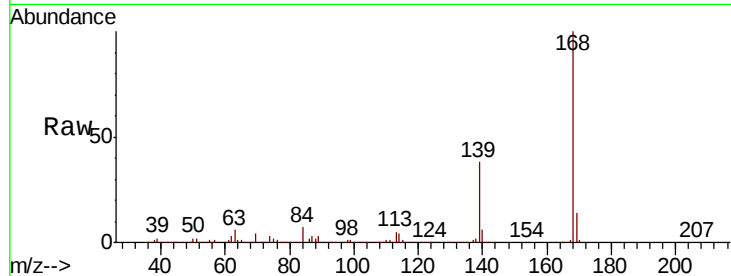
139 38.2 30.1 45.1

169 14.3 11.0 16.6

Manual Integrations
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#56

4-Nitrophenol

Concen: 88.823 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

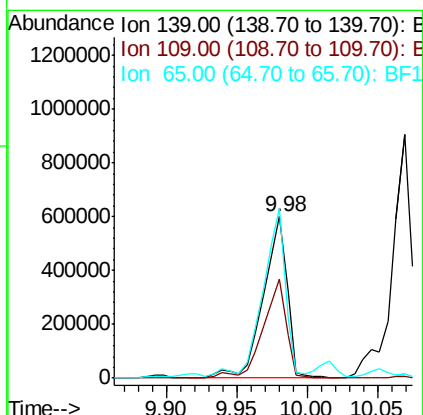
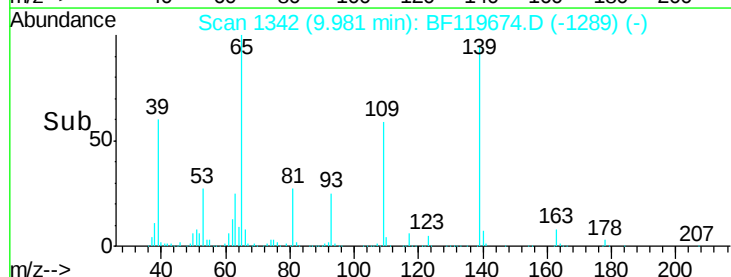
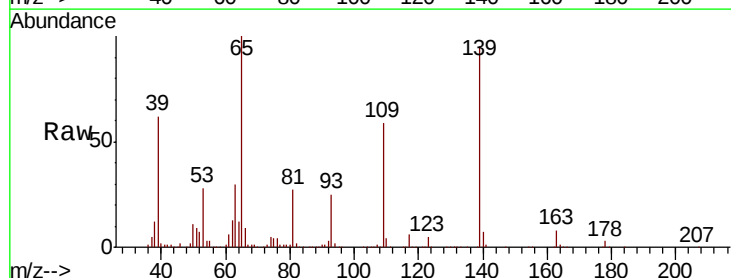
Tgt Ion:139 Resp: 712963

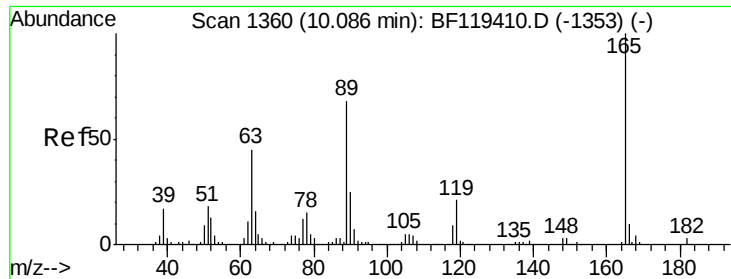
Ion Ratio Lower Upper

139 100

109 61.7 43.3 83.3

65 105.3 91.0 131.0





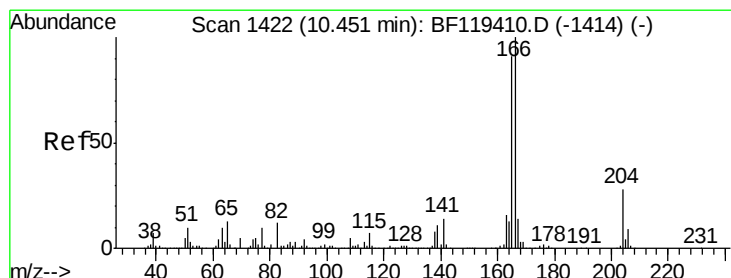
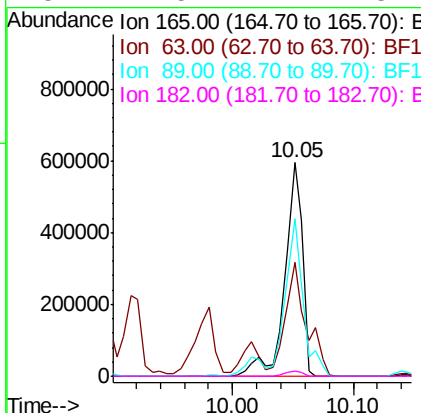
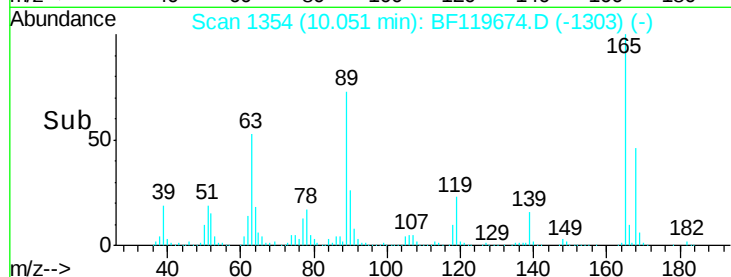
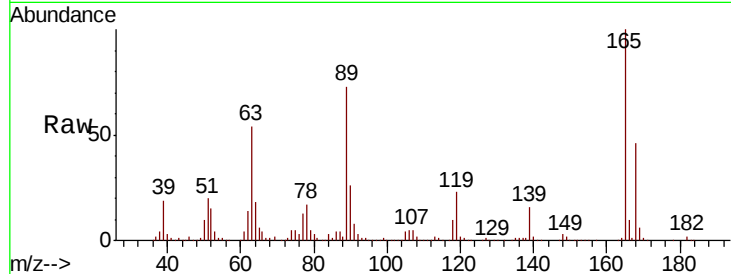
#57
2,4-Dinitrotoluene
Concen: 58.643 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		595392		
63	53.5	42.6	64.0		
89	73.5	61.0	91.4		
182	2.5	2.2	3.2		

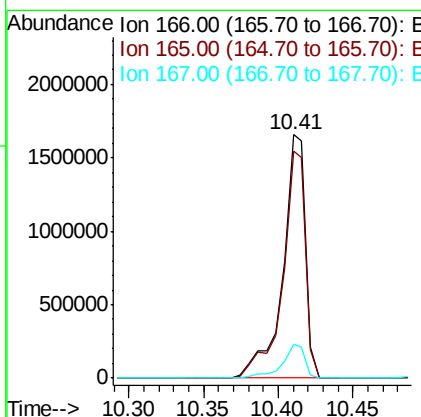
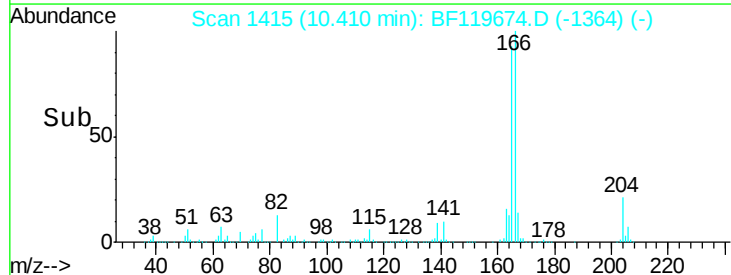
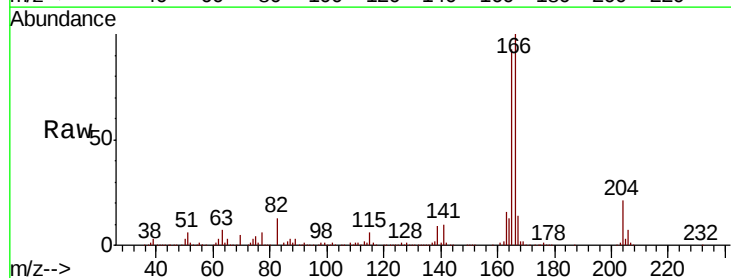
Manual Integrations
APPROVED

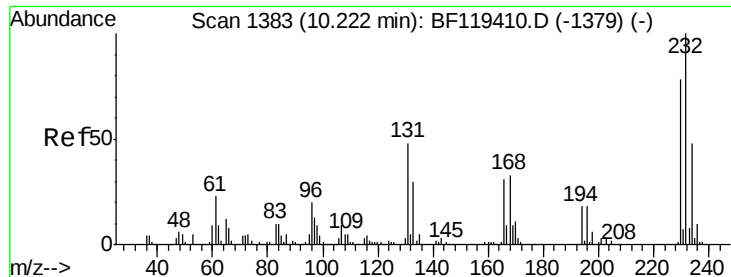
mohammad
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#58
Fluorene
Concen: 51.216 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1795315		
165	93.3	75.4	113.2		
167	13.9	11.2	16.8		





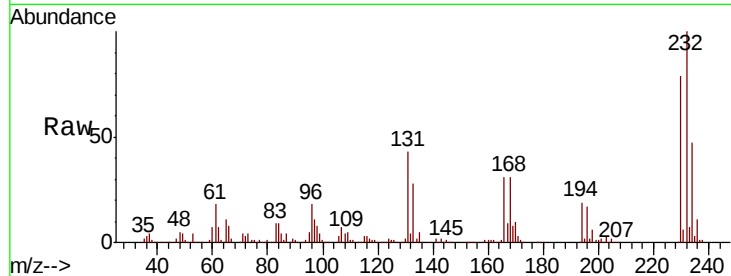
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.825 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

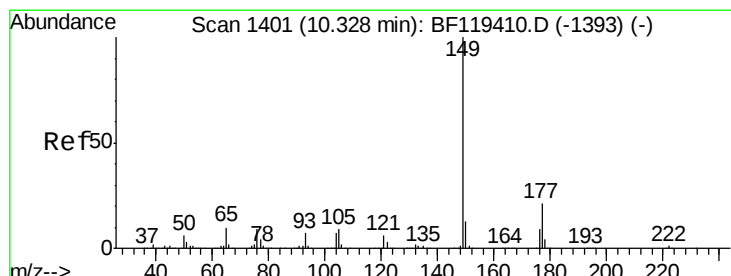
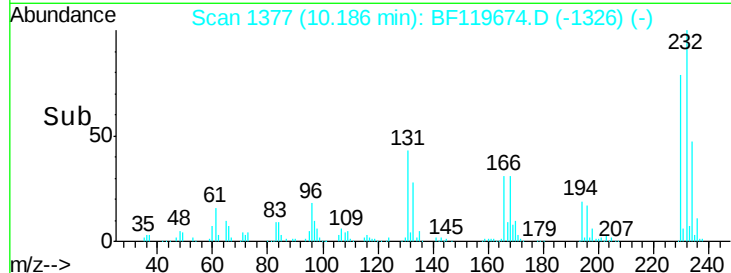
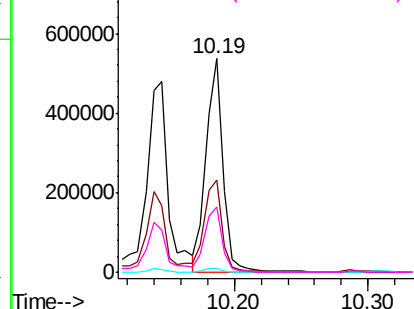
Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		472559		
131	47.3	37.5	56.3		
130	2.3	1.8	2.6		
166	30.8	24.6	36.8		

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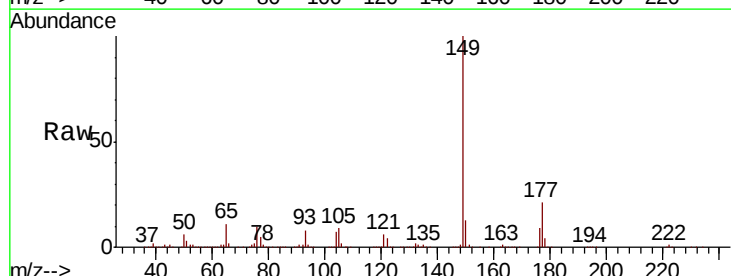


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

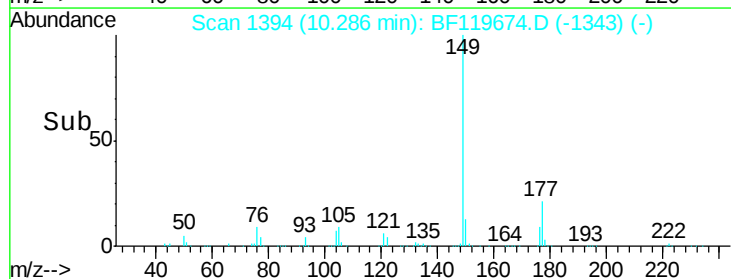
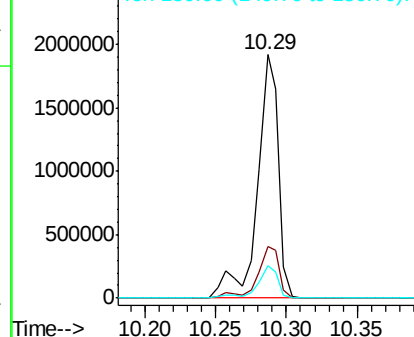


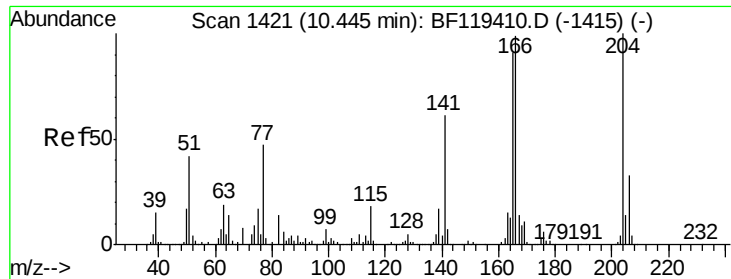
#60
 Diethylphthalate
 Concen: 52.599 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		2007337		
177	21.2	17.0	25.6		
150	13.1	10.1	15.1		



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





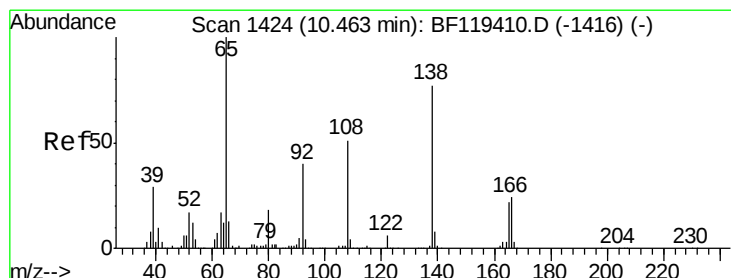
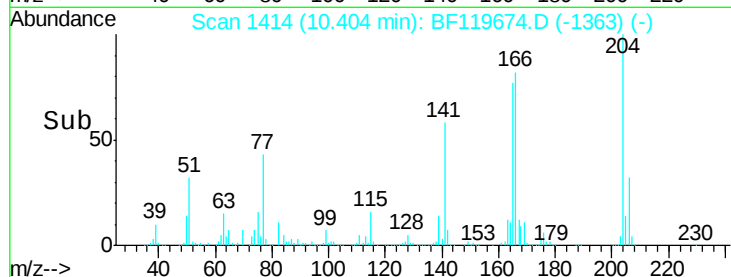
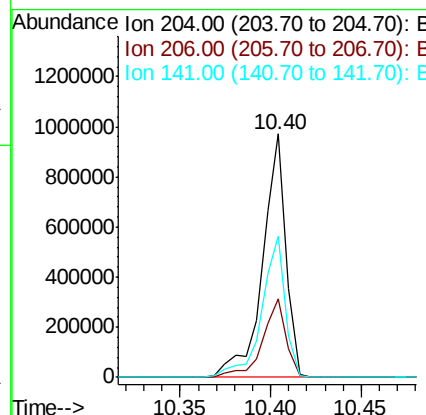
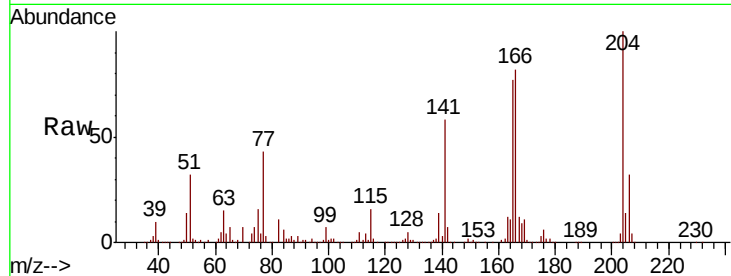
#61
4-Chlorophenyl-phenylether
Concen: 50.783 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.7	40.1
141	58.1	47.3	70.9

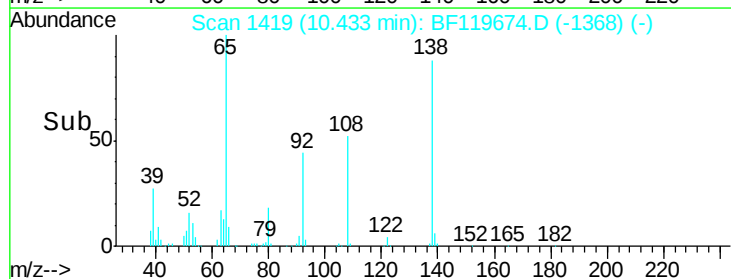
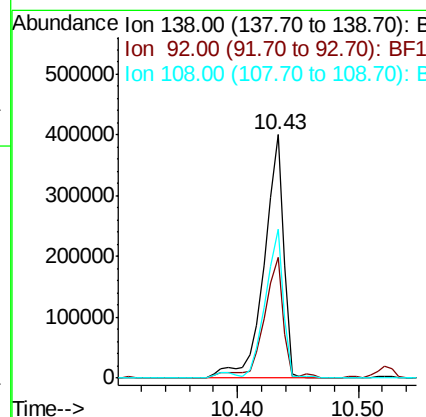
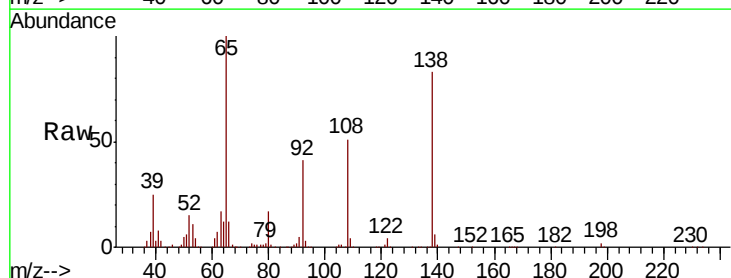
Manual Integrations
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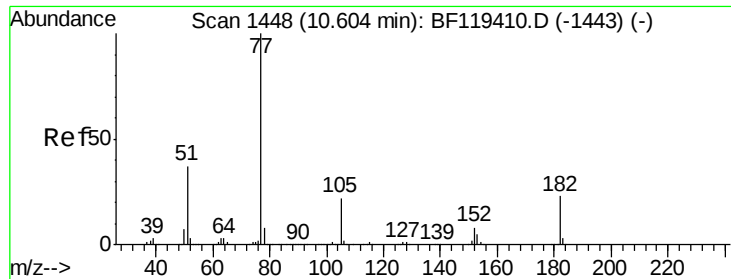
mohammad
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#62
4-Nitroaniline
Concen: 46.416 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.8	31.5	71.5
108	61.2	45.8	85.8





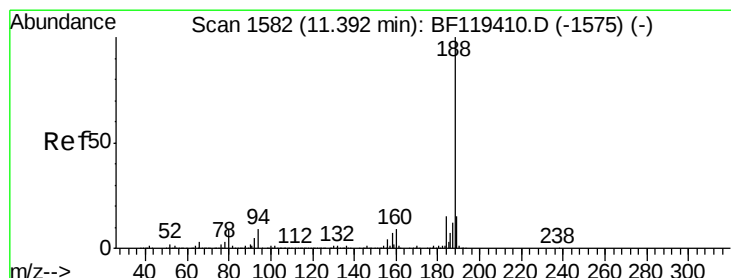
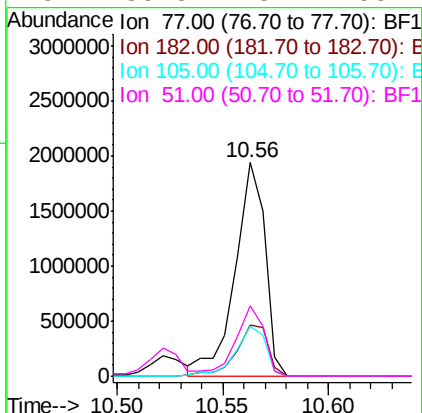
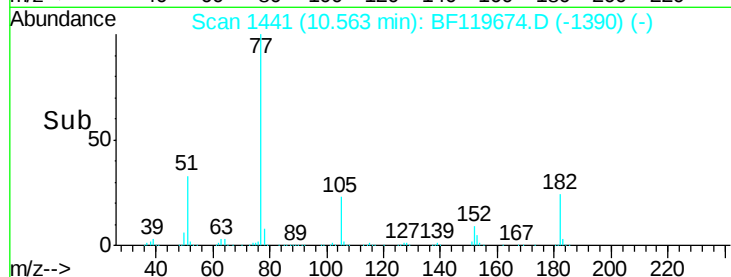
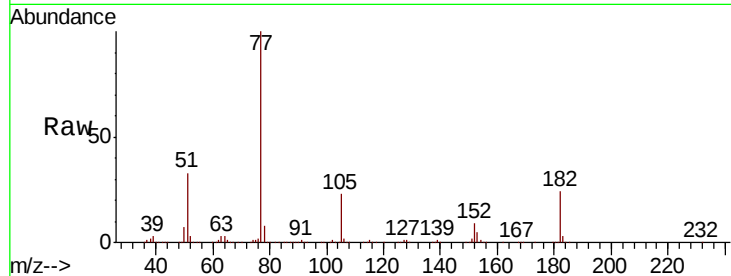
#63
Azobenzene
Concen: 49.569 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.4	44.4
105	23.4	2.6	42.6
51	33.3	15.1	55.1

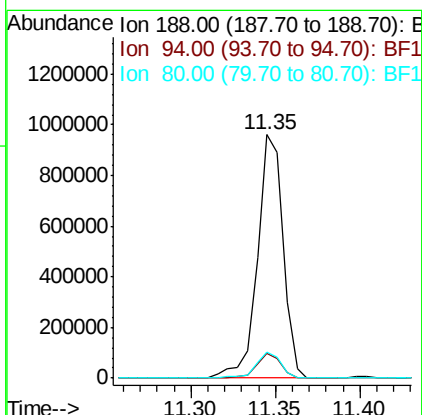
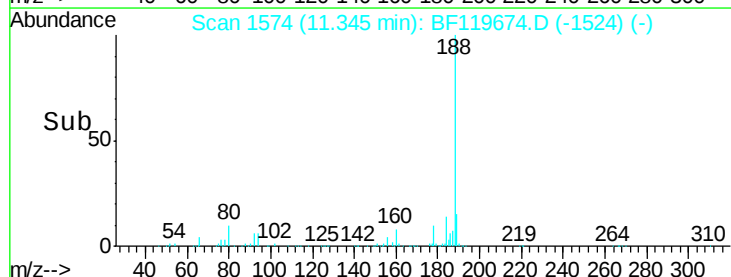
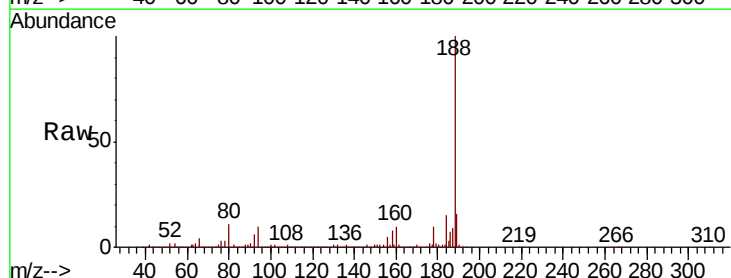
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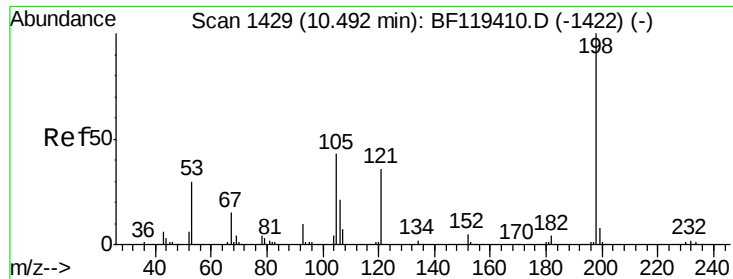
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.5	11.3
80	10.8	9.0	13.4





#65

4,6-Dinitro-2-methylphenol

Concen: 63.623 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

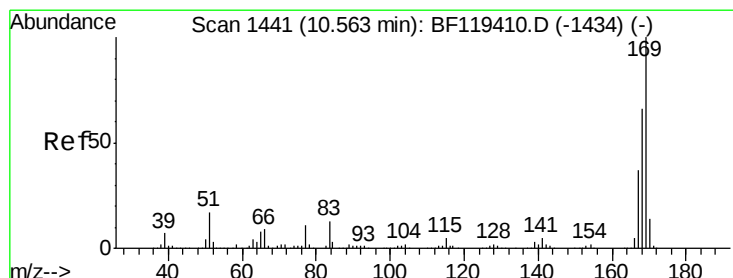
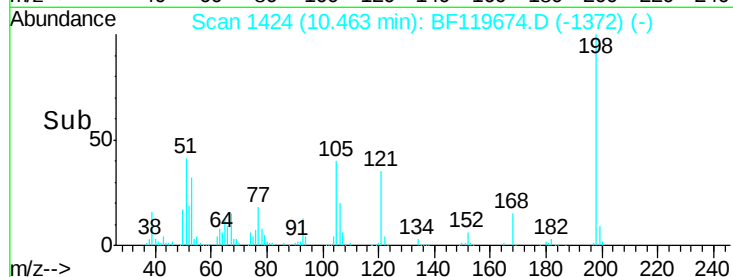
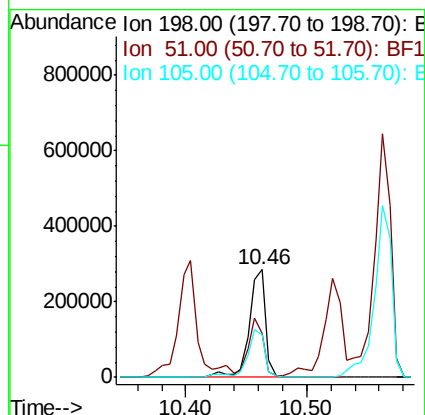
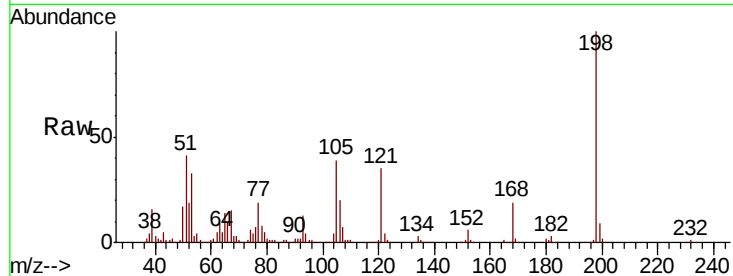
ClientSampleId :

TR-04-032720MSD

Tot Ion:	198	Resp:	270334
Ion Ratio	Lower	Upper	
198	100		
51	41.0	29.0	69.0
105	39.3	22.2	62.2

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#66

n-Nitrosodiphenylamine

Concen: 50.394 ng

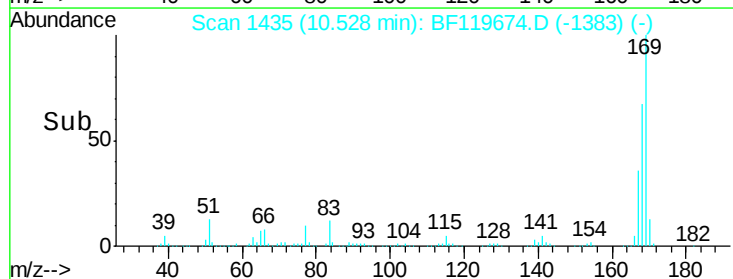
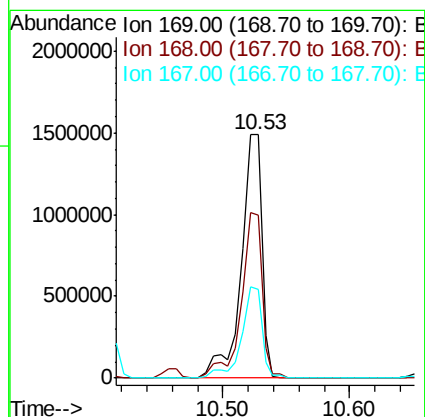
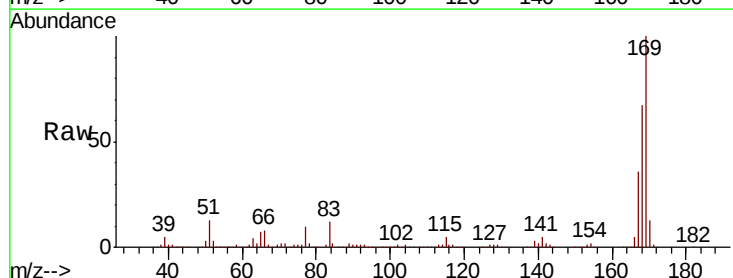
RT: 10.53 min Scan# 1435

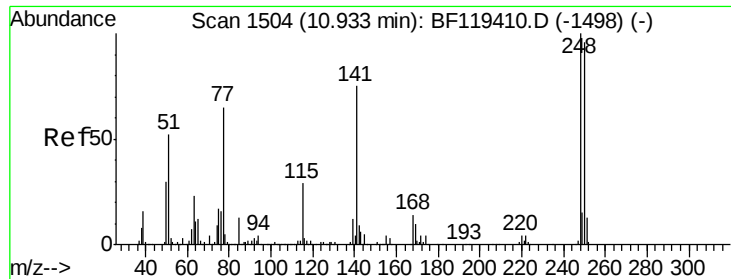
Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Tgt Ion:	169	Resp:	1676344
Ion Ratio	Lower	Upper	
169	100		
168	66.8	53.2	79.8
167	36.4	29.1	43.7





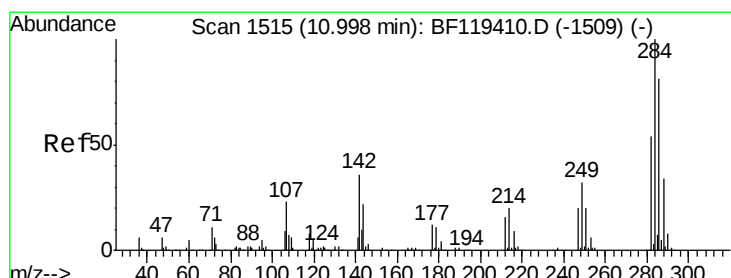
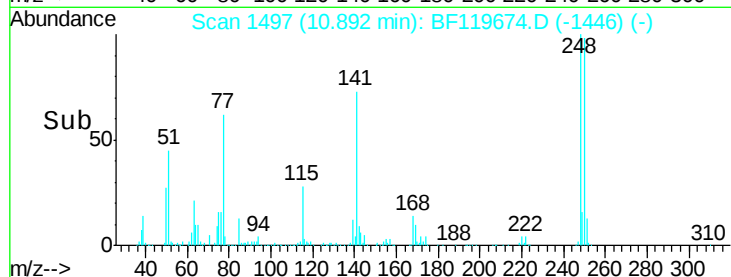
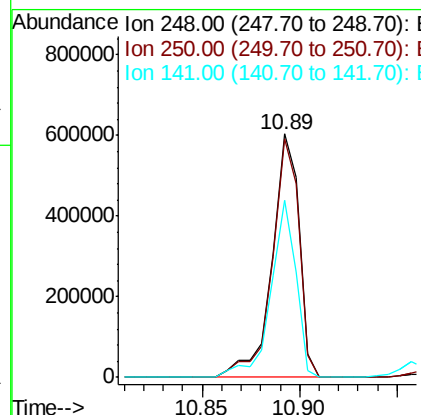
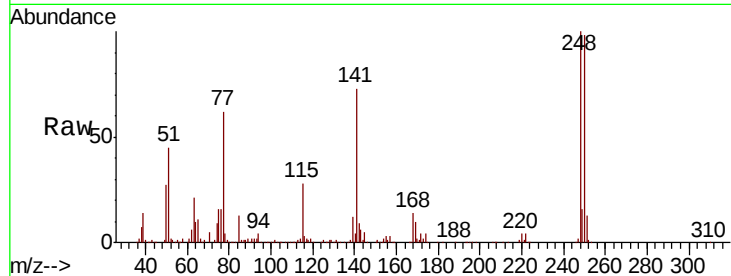
#67
 4-Bromophenyl-phenylether
 Concen: 50.452 ng
 RT: 10.89 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion:	248	Resp:	582218
Ion Ratio	Lower	Upper	
248	100		
250	98.2	77.3	115.9
141	72.7	58.6	87.8

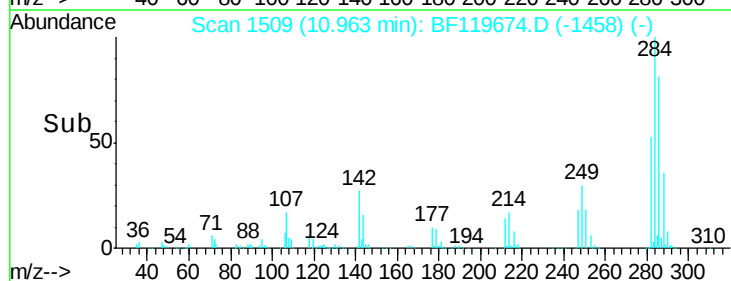
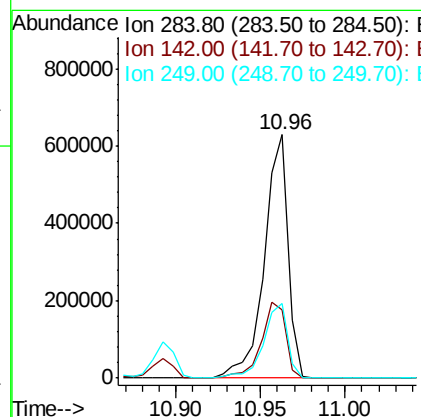
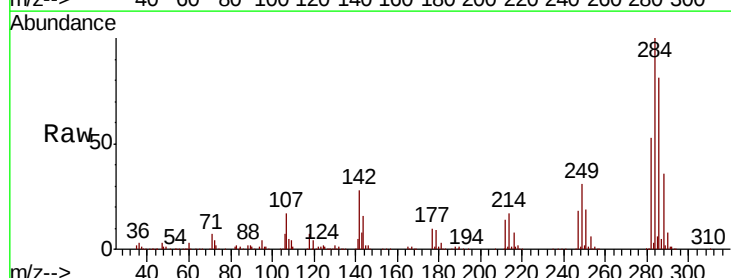
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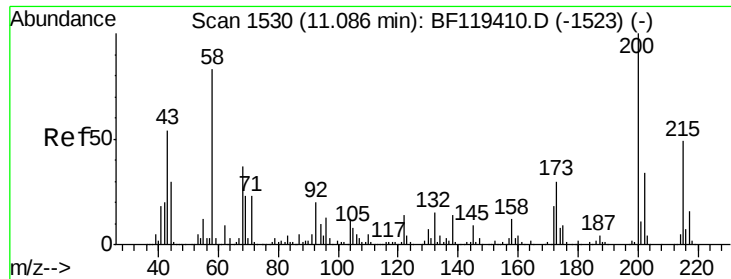
mohammad
 4/3/2020 11:14:29 PM



#68
 Hexachlorobenzene
 Concen: 52.000 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion:	284	Resp:	614166
Ion Ratio	Lower	Upper	
284	100		
142	27.8	29.2	43.8#
249	30.5	25.1	37.7





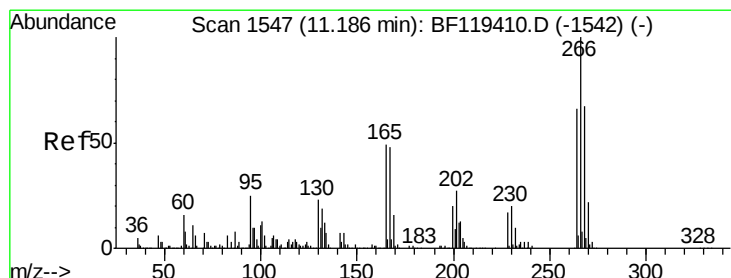
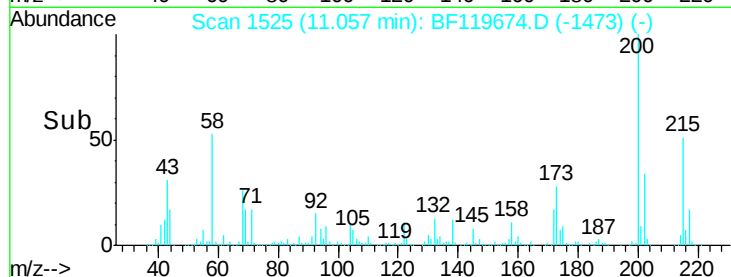
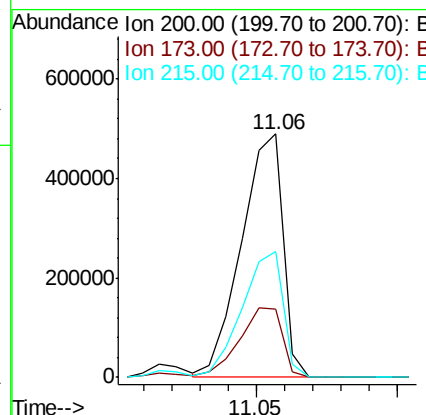
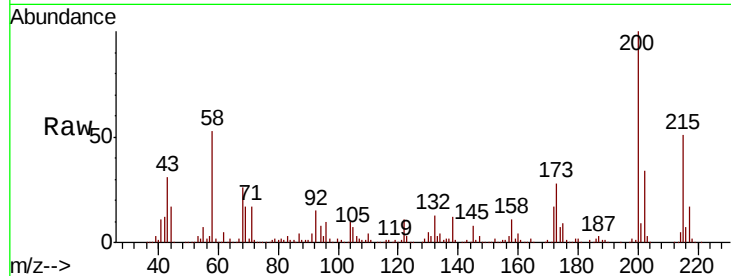
#69
 Atrazine
 Concen: 54.979 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. 0.01 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	501382		
173	28.1	9.3	49.3	
215	51.5	29.5	69.5	

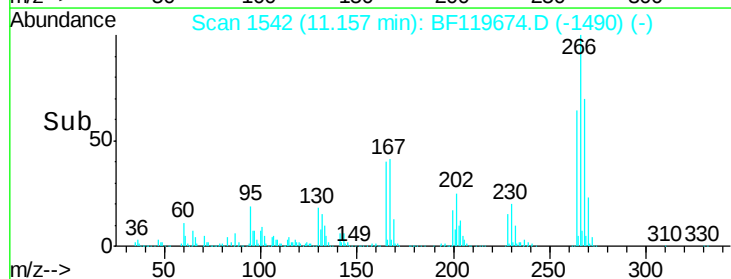
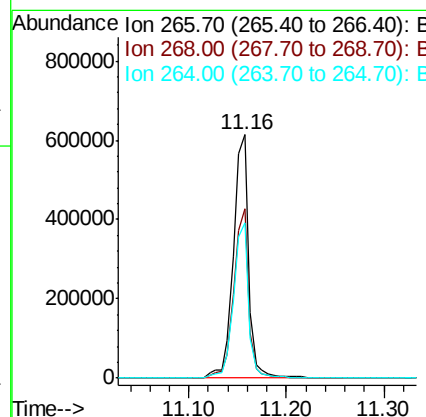
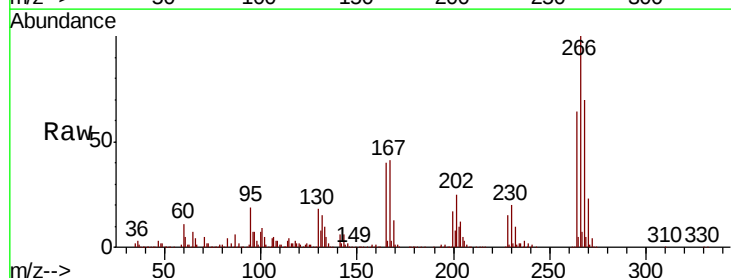
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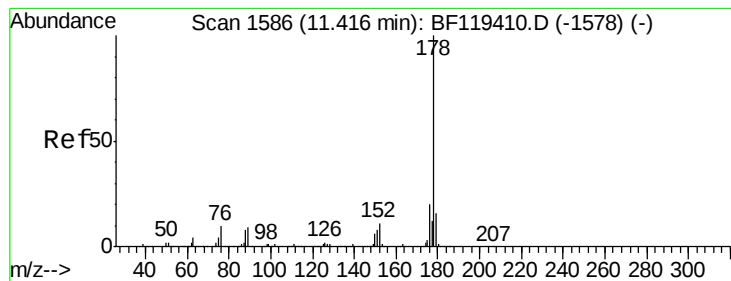
mohammad
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#70
 Pentachlorophenol
 Concen: 97.570 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	675712		
268	69.7	53.3	79.9	
264	63.8	49.0	73.4	





#71

Phenanthrene

Concen: 49.385 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:178 Resp: 2594735

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

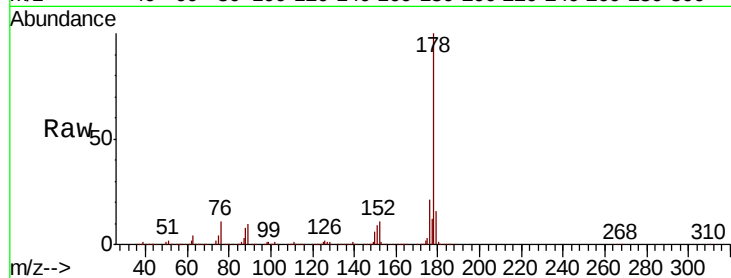
179 16.5 13.2 19.8

Manual Integrations

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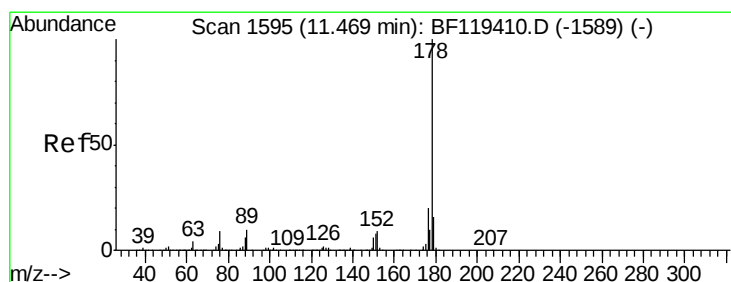
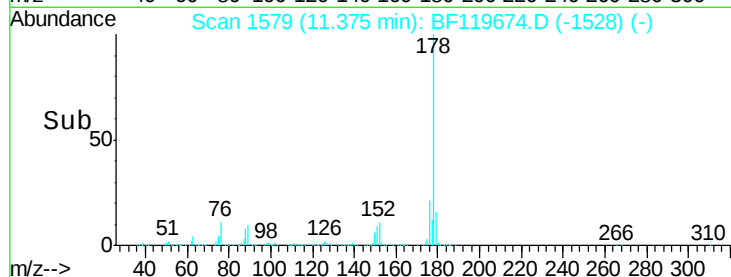
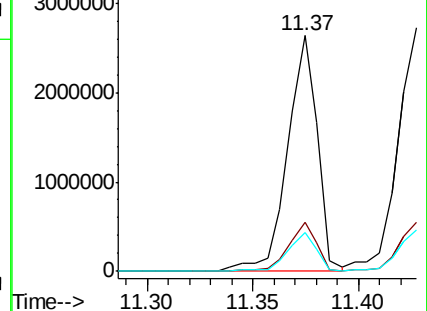
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 49.457 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

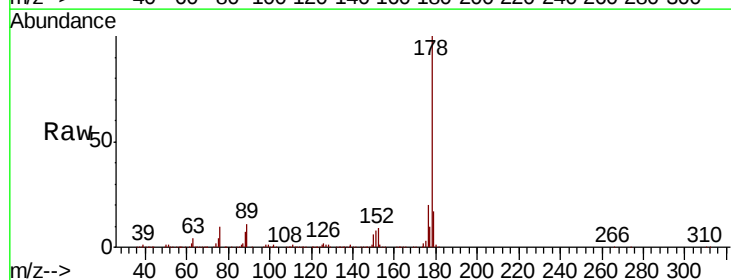
Tgt Ion:178 Resp: 2641016

Ion Ratio Lower Upper

178 100

176 20.0 16.1 24.1

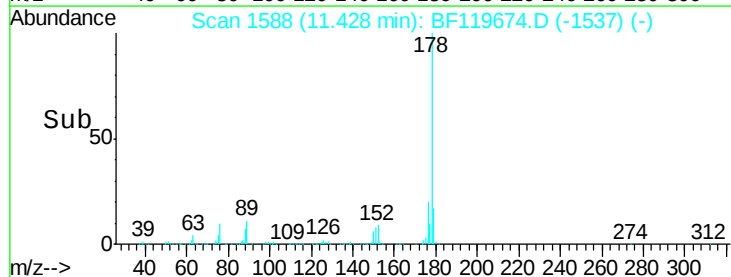
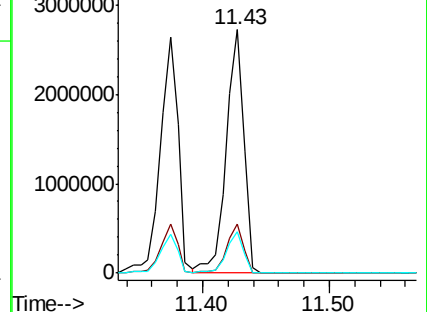
179 16.9 13.0 19.4

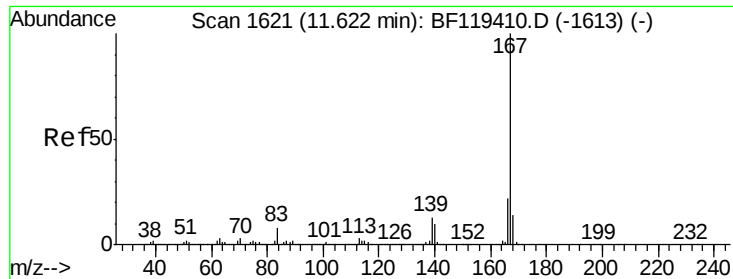


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73
 Carbazole
 Concen: 47.148 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

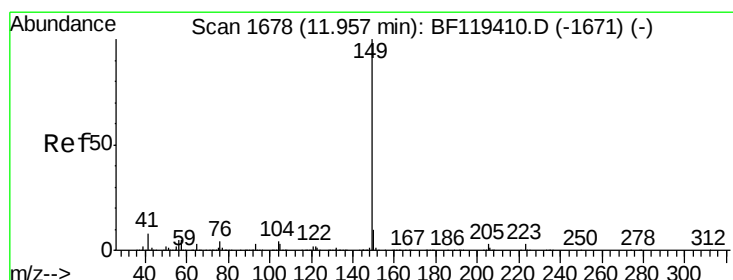
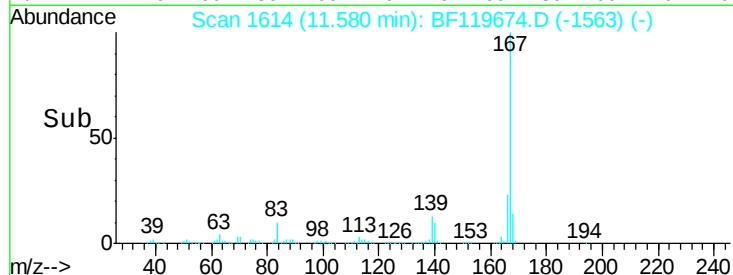
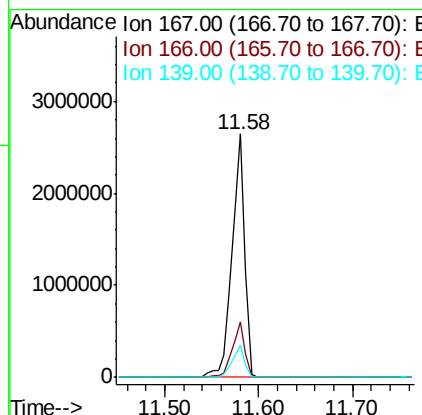
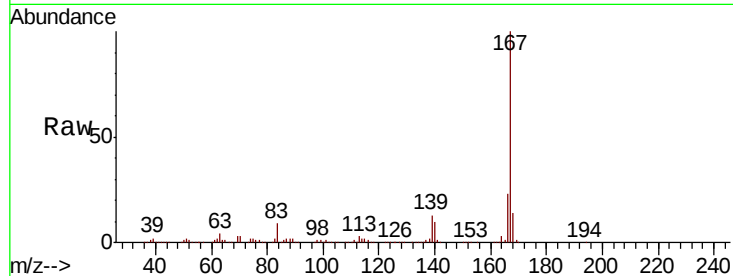
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion:167 Resp: 2492043

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	13.3	10.7	16.1

Manual Integrations
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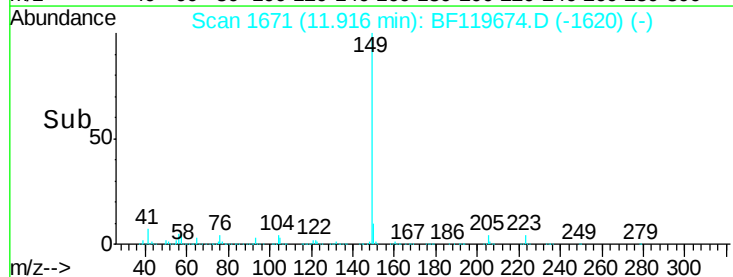
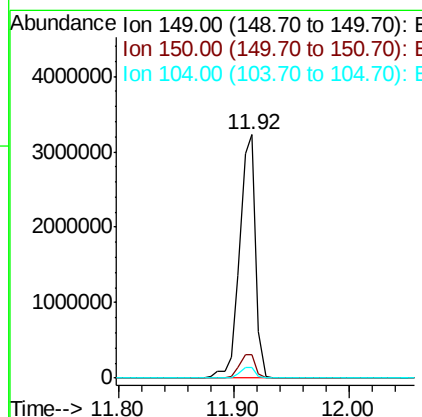
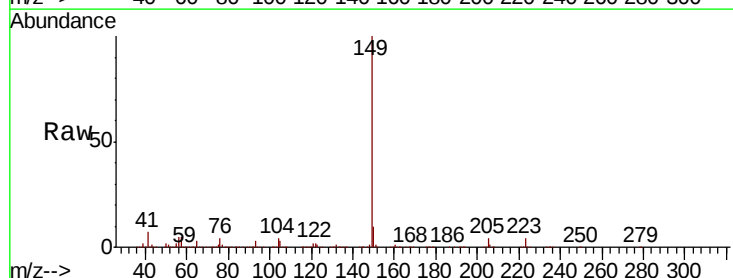
mohammad
 4/3/2020 11:14:29 PM

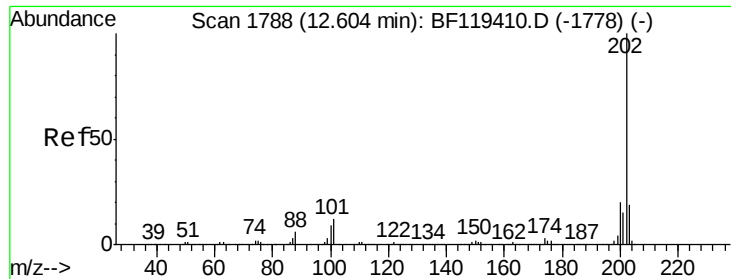


#74
 Di-n-butylphthalate
 Concen: 54.423 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion:149 Resp: 3077137

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.8	11.8
104	4.3	3.6	5.4





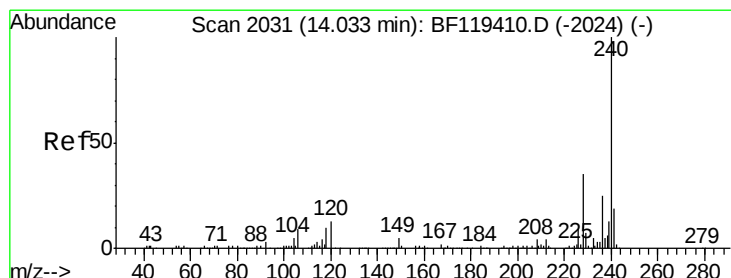
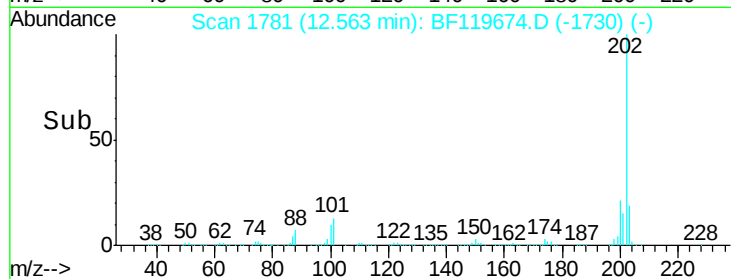
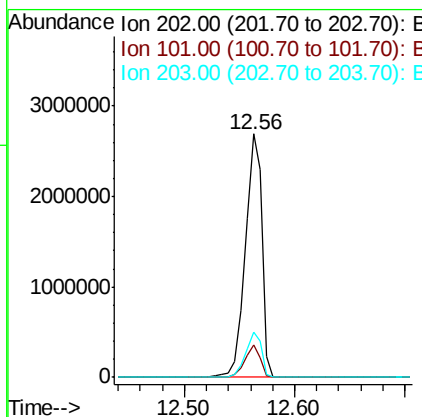
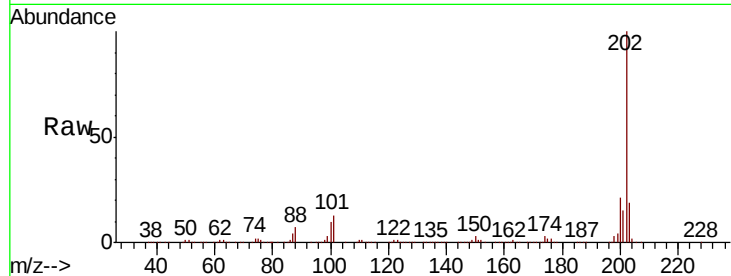
#75
Fluoranthene
Concen: 49.775 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.2
203	18.7	0.0	38.8

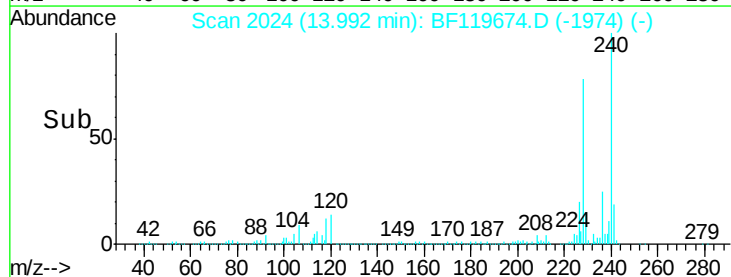
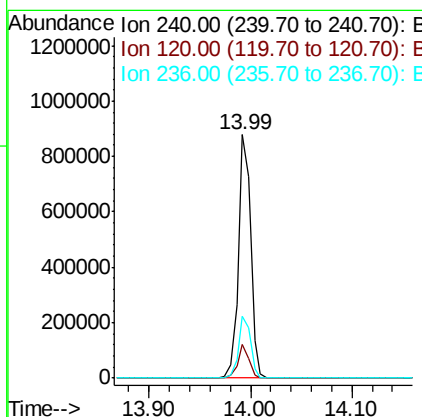
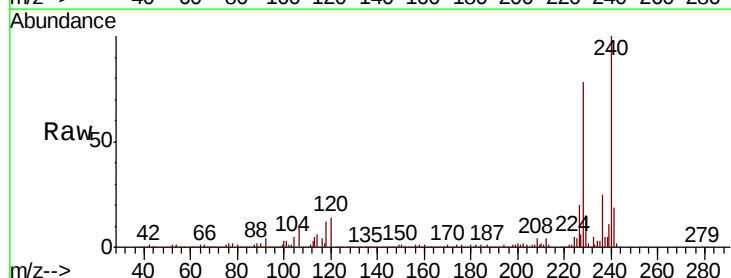
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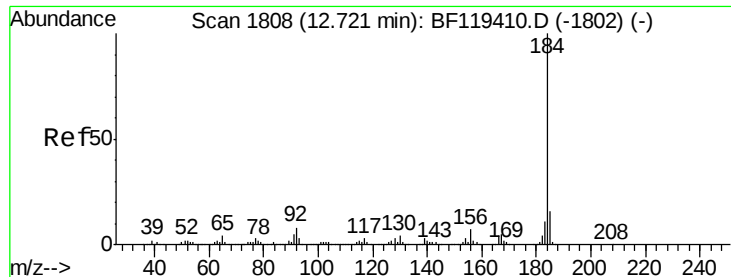
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	10.6	15.8
236	25.3	20.2	30.2





#77

Benzidine

Concen: 21.067 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

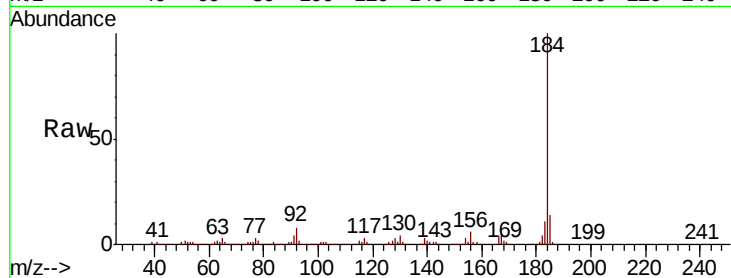
ClientSampleId :

TR-04-032720MSD

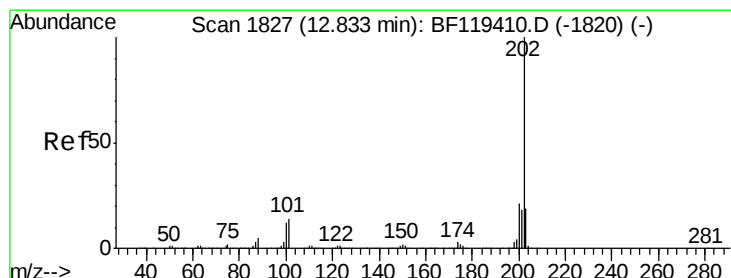
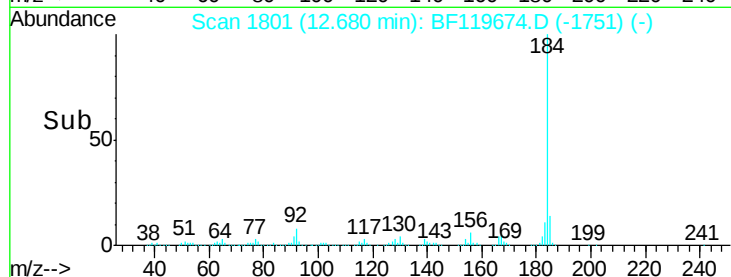
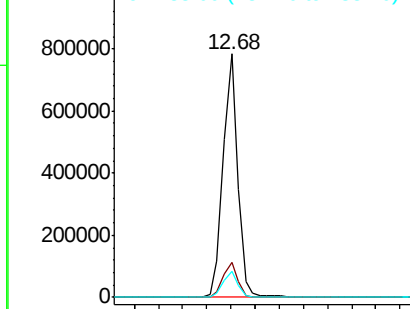
Tot Ion:	184	Resp:	656702
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.3	18.5
183	10.7	9.0	13.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.258 ng

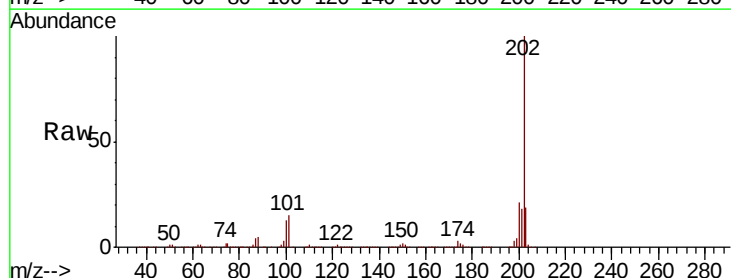
RT: 12.79 min Scan# 1820

Delta R.T. 0.00 min

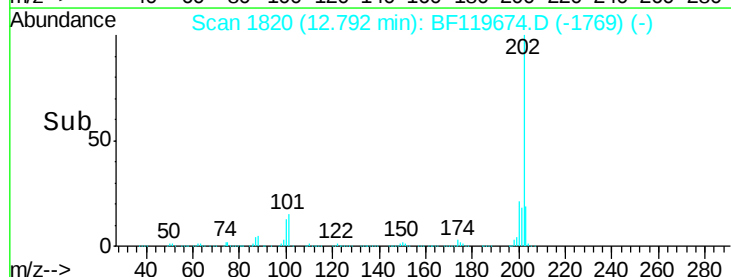
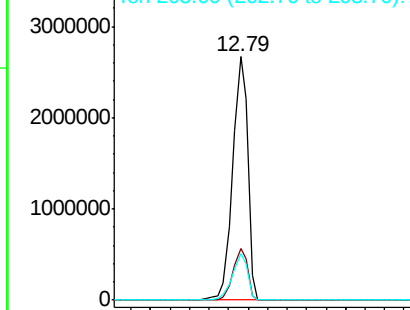
Lab File: BF119674.D

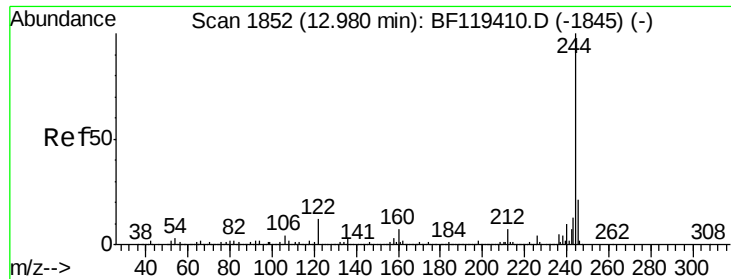
Acq: 1 Apr 2020 15:00

Tgt Ion:	202	Resp:	2856687
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.8	25.2
203	18.9	15.1	22.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 97.791 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:244 Resp: 3676438

Ion Ratio Lower Upper

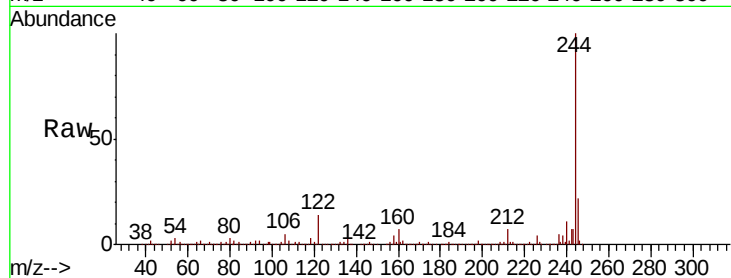
244 100

212 7.1 5.8 8.8

122 13.6 10.3 15.5

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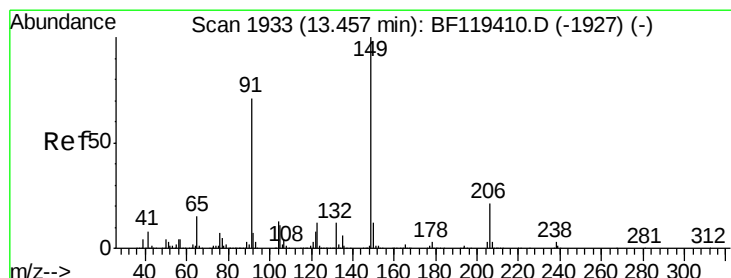
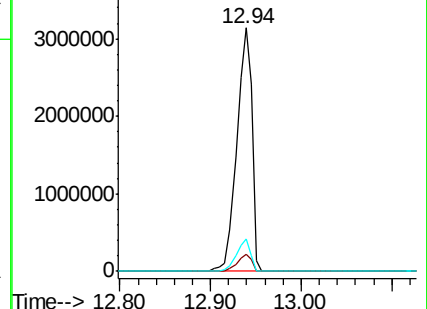
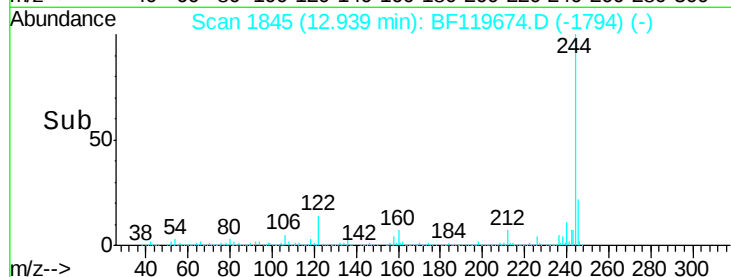
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 55.404 ng

RT: 13.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

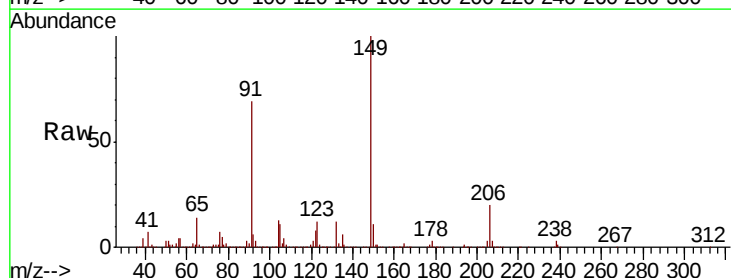
Tgt Ion:149 Resp: 1354572

Ion Ratio Lower Upper

149 100

91 68.8 54.7 82.1

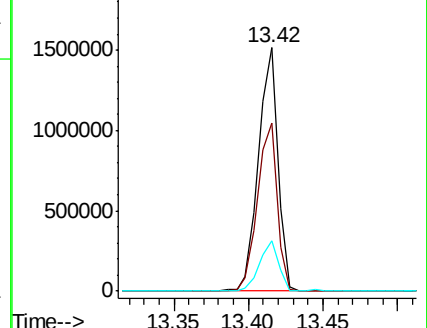
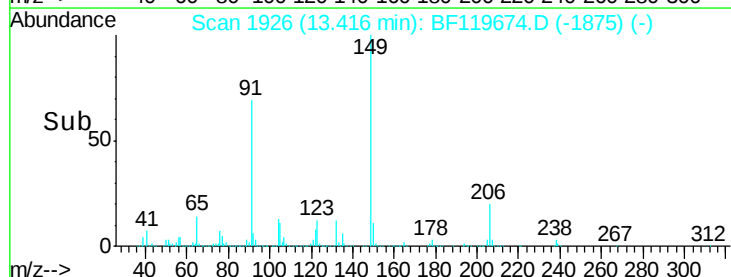
206 20.5 16.2 24.2

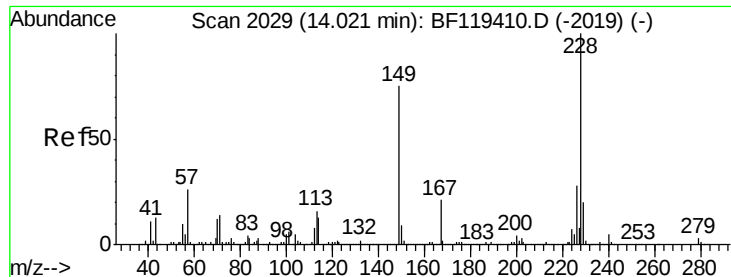


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.859 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:228 Resp: 2244450

Ion Ratio Lower Upper

228 100

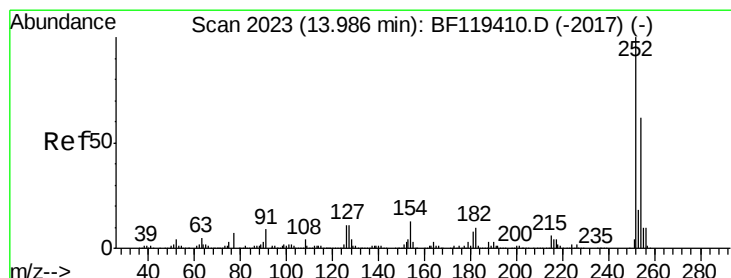
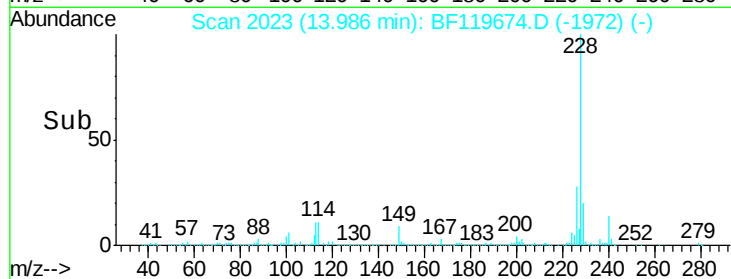
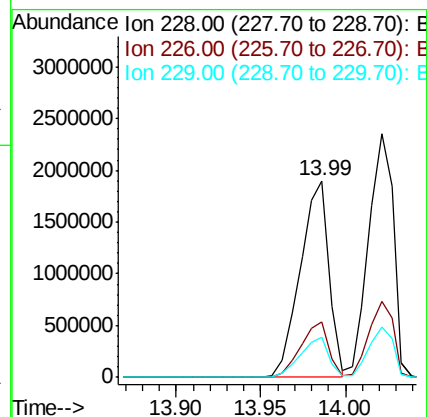
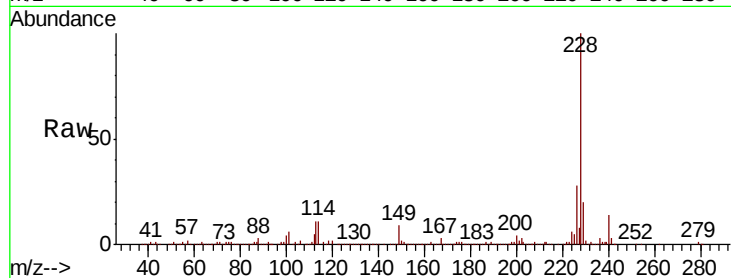
226 27.9 21.8 32.8

229 20.1 16.2 24.4

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#82

3,3'-Dichlorobenzidine

Concen: 16.948 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

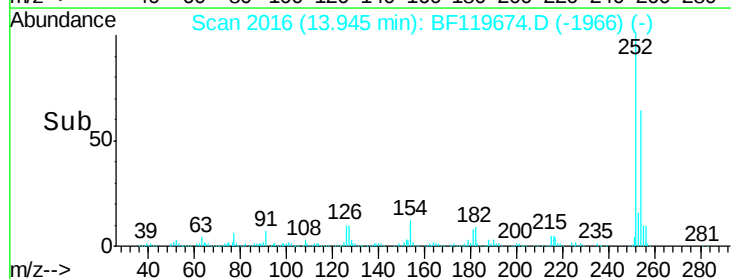
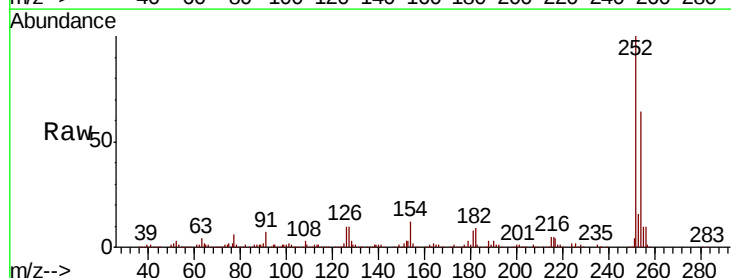
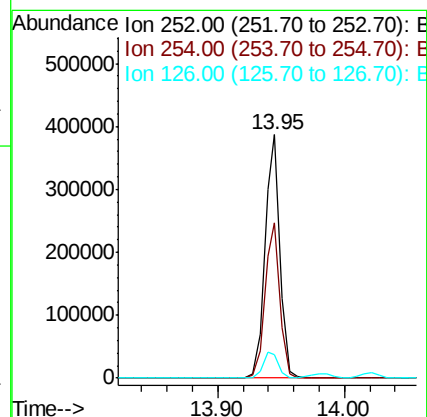
Tgt Ion:252 Resp: 320063

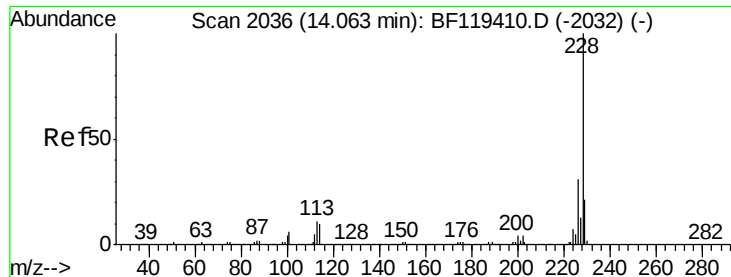
Ion Ratio Lower Upper

252 100

254 63.6 51.2 76.8

126 9.7 9.6 14.4





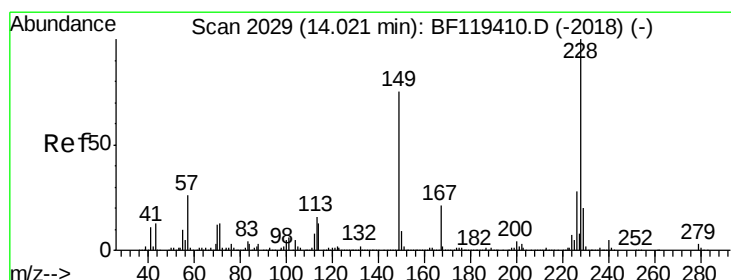
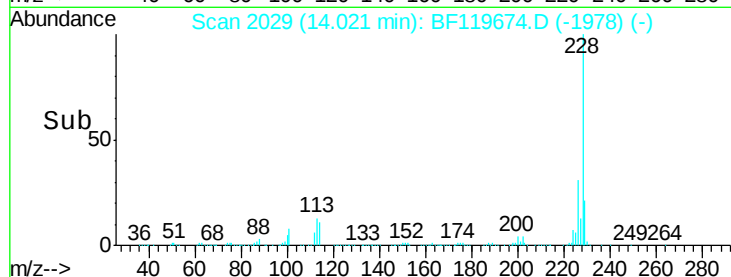
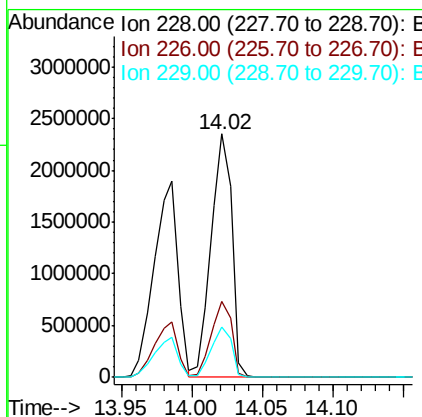
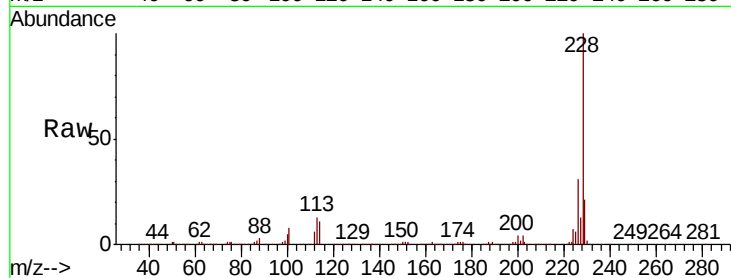
#83
 Chrysene
 Concen: 48.655 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720MSD

Tot Ion:228 Resp: 2405115
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.4 38.0
 229 20.7 16.6 24.8

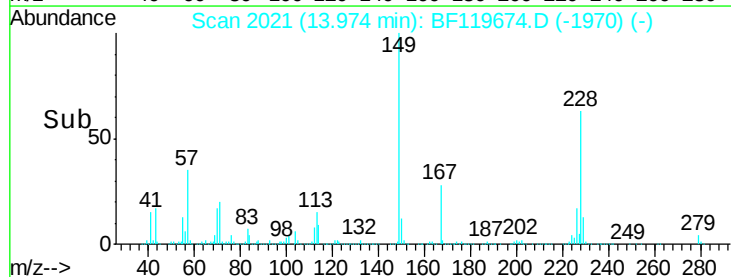
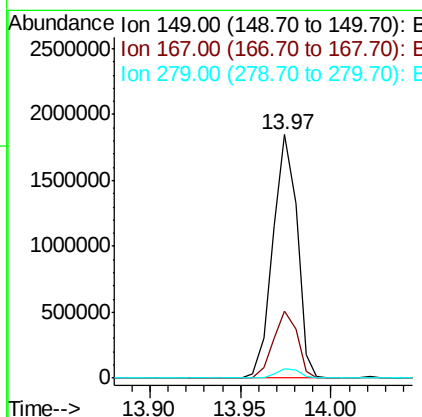
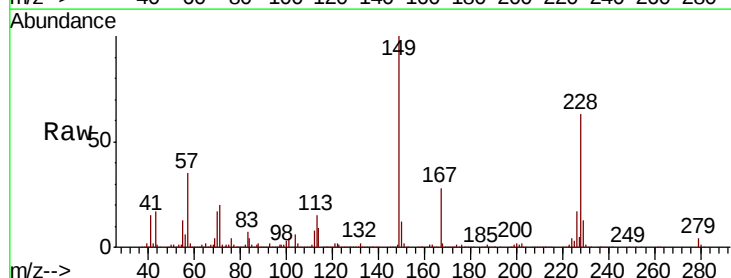
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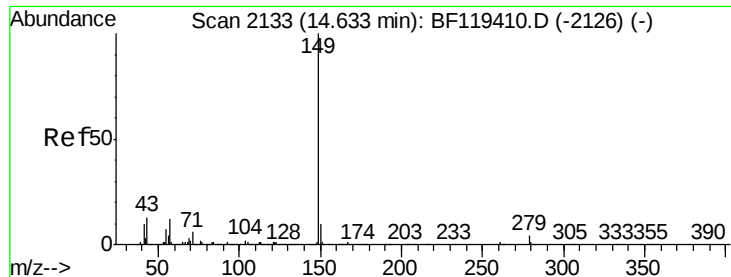
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 58.983 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF119674.D
 Acq: 1 Apr 2020 15:00

Tgt Ion:149 Resp: 1719053
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.3 31.9
 279 3.8 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 62.152 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:149 Resp: 3185770

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

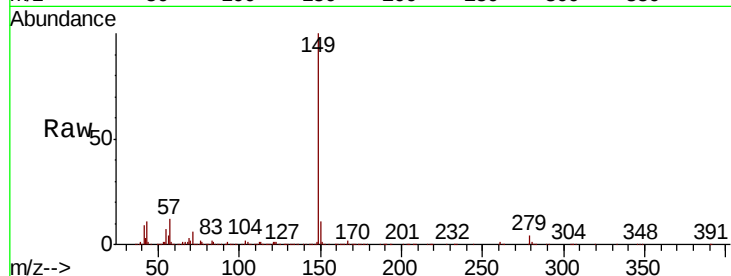
43 11.1 9.3 13.9

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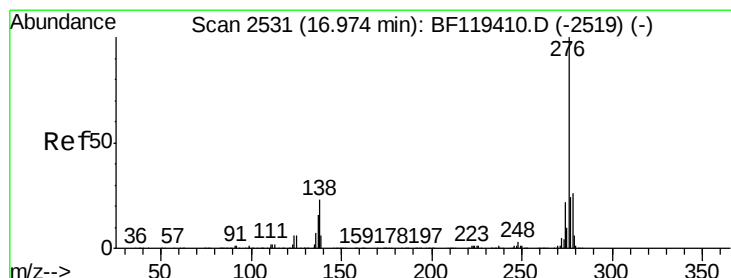
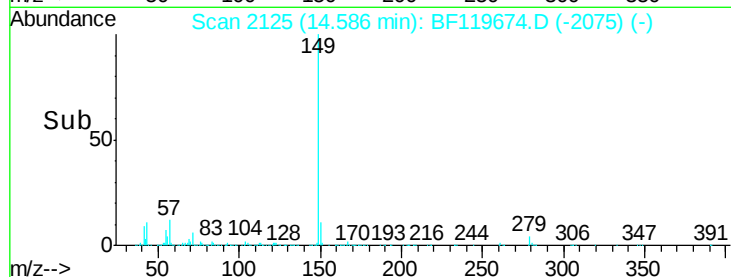
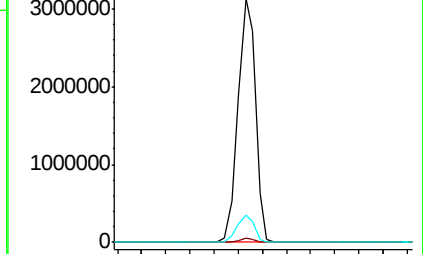
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 54.153 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

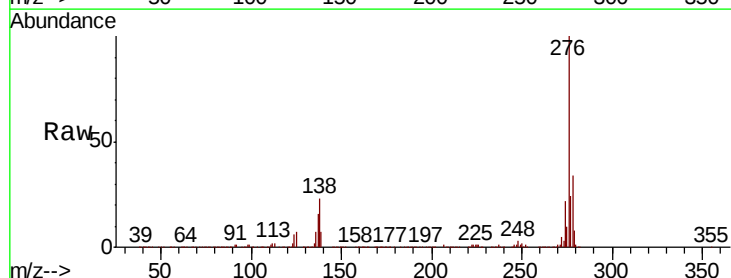
Tgt Ion:276 Resp: 2521136

Ion Ratio Lower Upper

276 100

138 26.0 19.6 29.4

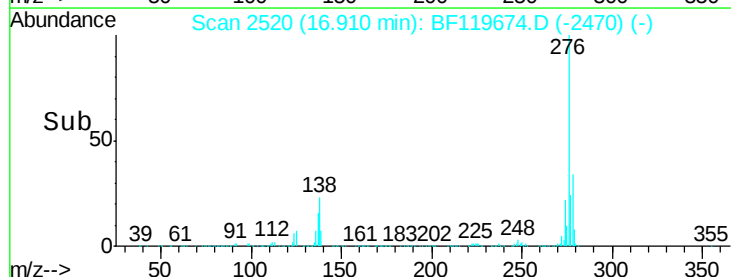
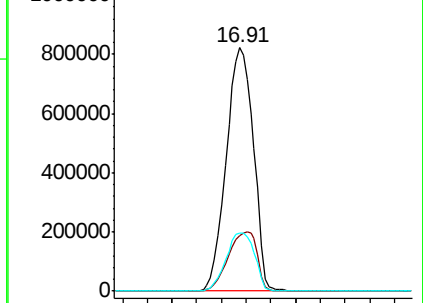
277 25.2 20.0 30.0

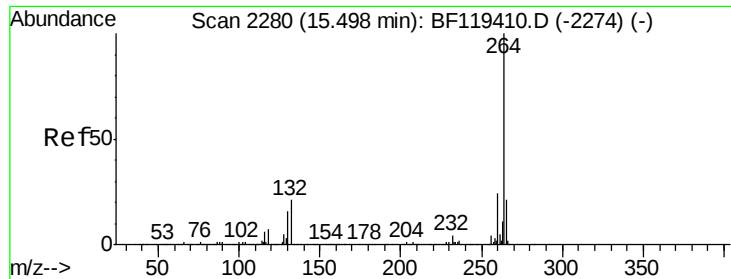


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:264 Resp: 749762

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

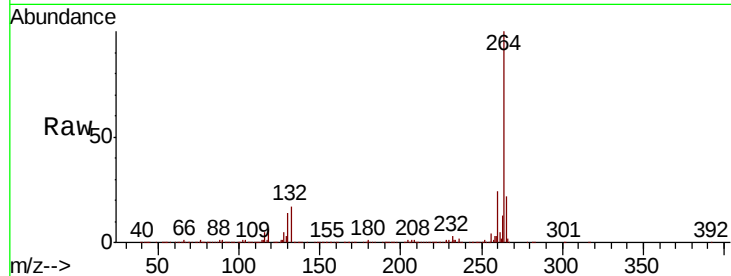
265 22.1 17.7 26.5

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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

800000

600000

400000

200000

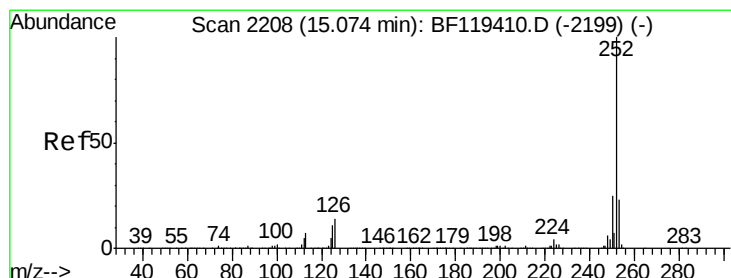
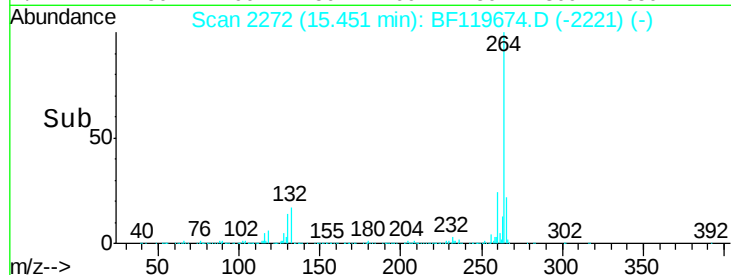
0

15.45

15.40

15.50

Time-->



#88

Benzo(b)fluoranthene

Concen: 52.983 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

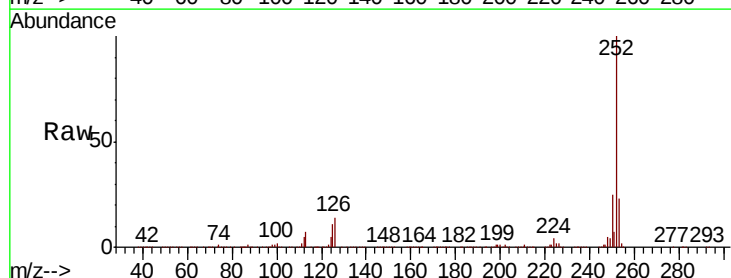
Tgt Ion:252 Resp: 2653575

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.6 7.9 11.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

2500000

2000000

1500000

1000000

500000

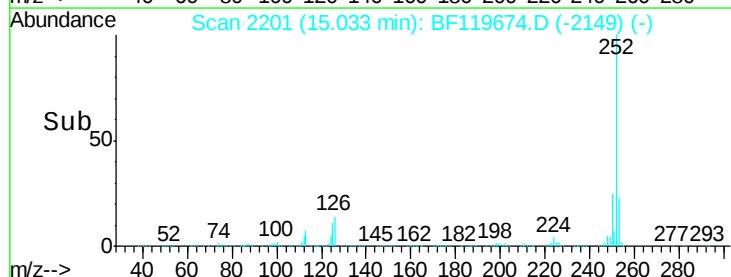
0

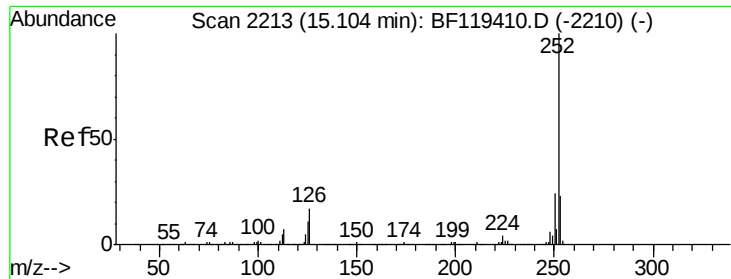
15.03

14.95

15.05

Time-->





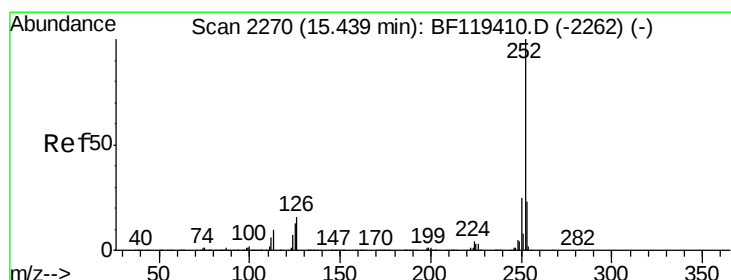
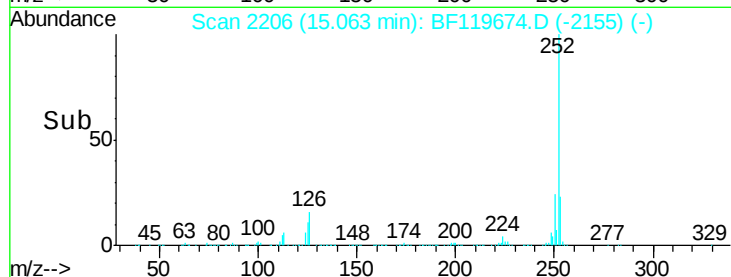
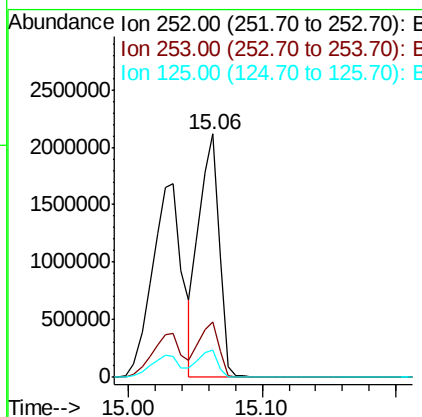
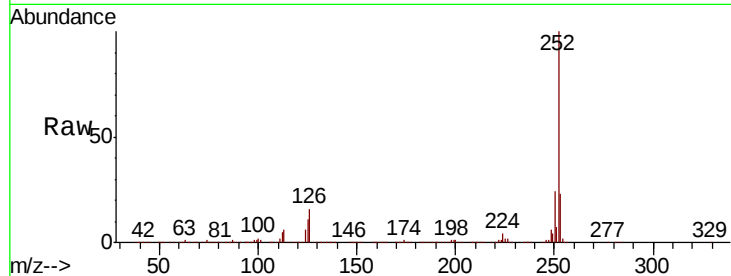
#89
Benzo(k)fluoranthene
Concen: 46.323 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Instrument :
BNA_F
ClientSampleId :
TR-04-032720MSD

Tot Ion:252 Resp: 2209149
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.0 8.4 12.6

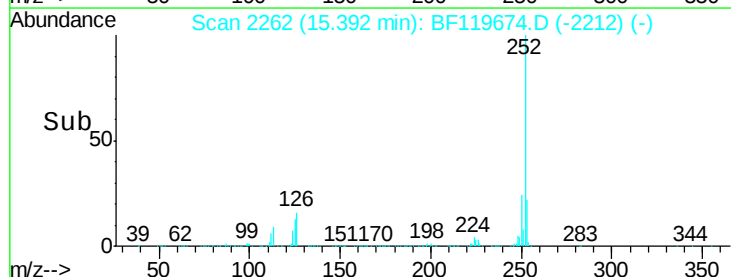
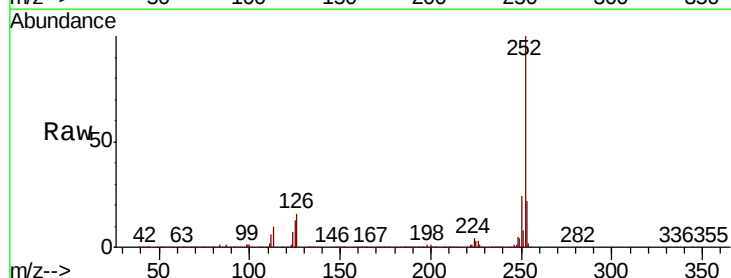
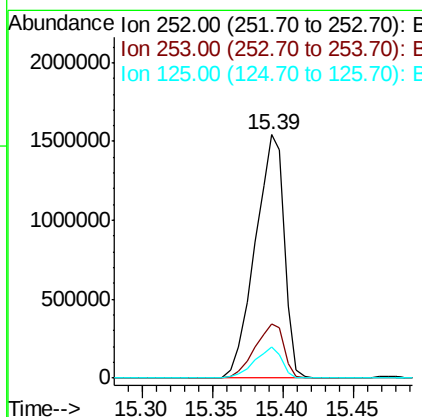
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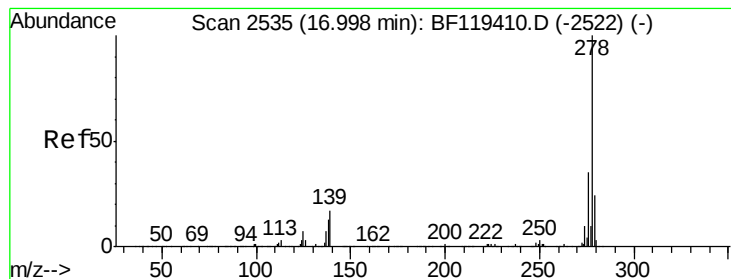
mohammad
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#90
Benzo(a)pyrene
Concen: 49.196 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF119674.D
Acq: 1 Apr 2020 15:00

Tgt Ion:252 Resp: 2239168
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 12.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 52.562 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

Instrument :

BNA_F

ClientSampleId :

TR-04-032720MSD

Tot Ion:278 Resp: 2092538

Ion Ratio Lower Upper

278 100

139 16.6 12.6 19.0

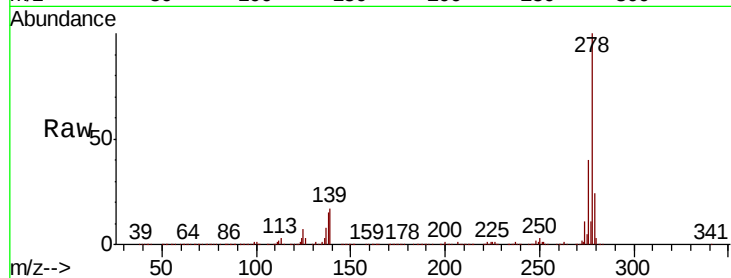
279 23.5 19.0 28.6

Manual Integrations

APPROVED

mohammad

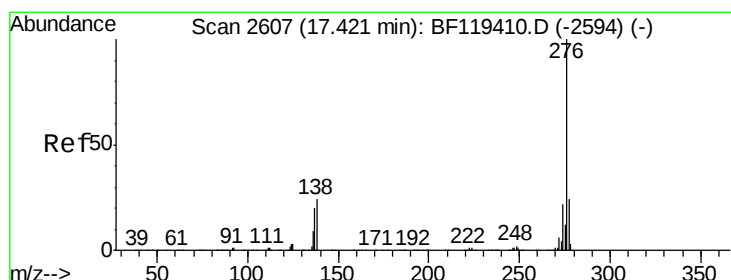
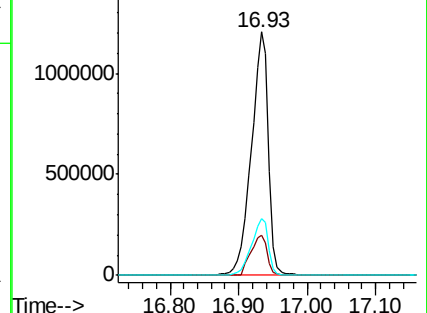
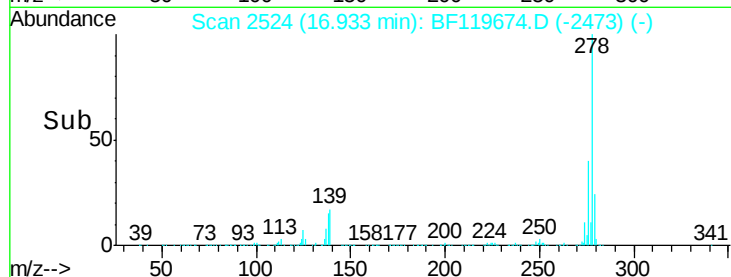
4/3/2020 11:14:29 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 52.168 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.00 min

Lab File: BF119674.D

Acq: 1 Apr 2020 15:00

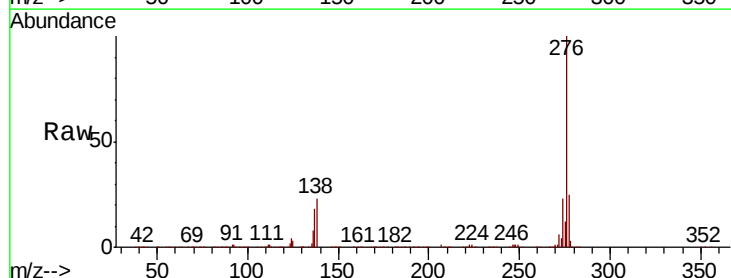
Tgt Ion:276 Resp: 2086460

Ion Ratio Lower Upper

276 100

277 24.6 18.4 27.6

138 22.7 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

