

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120301.D
 Acq On : 14 May 2020 20:05
 Operator : MA/SJ
 Sample : L2605-04MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

Manual Integrations
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 5/18/2020 1:32:05 PM

Quant Time: May 15 03:52:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	376716	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	1470402	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	739521	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1313065	20.00	ng	0.00
76) Chrysene-d12	13.79	240	725837	20.00	ng	0.00
87) Perylene-d12	15.17	264	716091	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	1959375	101.20	ng	0.01
7) Phenol-d6	6.29	99	2456136	100.31	ng	0.00
23) Nitrobenzene-d5	7.20	82	1564091	72.83	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	607515	100.75	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2803280	77.88	ng	0.00
79) Terphenyl-d14	12.73	244	2664910	81.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.29	88	327909	42.575	ng	98
3) Pyridine	2.96	79	736318	30.413	ng	98
4) n-Nitrosodimethylamine	2.92	42	396571	41.833	ng	95
6) Aniline	6.29	93	660944	21.108	ng	# 43
8) 2-Chlorophenol	6.42	128	957040	42.394	ng	95
9) Benzaldehyde	6.17	77	604407	40.044	ng	99
10) Phenol	6.30	94	1158860	40.546	ng	# 77
11) bis(2-Chloroethyl)ether	6.37	93	912618	39.973	ng	99
12) 1,3-Dichlorobenzene	6.56	146	919386	38.060	ng	99
13) 1,4-Dichlorobenzene	6.64	146	965610	38.811	ng	99
14) 1,2-Dichlorobenzene	6.79	146	861725	38.462	ng	99
15) Benzyl Alcohol	6.78	79	726018	41.738	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.91	45	1407946	39.131	ng	85
17) 2-Methylphenol	6.90	107	740390	38.851	ng	94
18) Hexachloroethane	7.13	117	359671	37.948	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	641886	40.017	ng	96
20) 3+4-Methylphenols	7.06	107	977104	39.436	ng	95
22) Acetophenone	7.05	105	1280983	42.525	ng	98
24) Nitrobenzene	7.22	77	965055	41.754	ng	98
25) Isophorone	7.46	82	1826695	40.879	ng	100
26) 2-Nitrophenol	7.53	139	526560	43.560	ng	98
27) 2,4-Dimethylphenol	7.58	122	807159	45.902	ng	94
28) bis(2-Chloroethoxy)methane	7.67	93	1190927	42.402	ng	99
29) 2,4-Dichlorophenol	7.78	162	769616	42.615	ng	98
30) 1,2,4-Trichlorobenzene	7.85	180	806444	40.296	ng	97
31) Naphthalene	7.93	128	2649410	42.693	ng	100
32) Benzoic acid	7.75	122	574372	49.833	ng	98
33) 4-Chloroaniline	7.99	127	304770	10.776	ng	99
34) Hexachlorobutadiene	8.05	225	451197	39.006	ng	97
35) Caprolactam	8.37	113	243330m	41.184	ng	
36) 4-Chloro-3-methylphenol	8.49	107	818878	41.915	ng	99
37) 2-Methylnaphthalene	8.62	142	1750219	41.213	ng	97
38) 1-Methylnaphthalene	8.72	142	1685203	40.914	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.79	216	791354	42.438	ng	99

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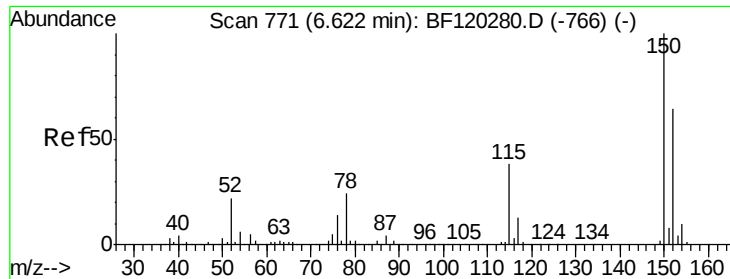
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.77	237	540413	71.063	nq	99
43) 2,4,6-Trichlorophenol	8.91	196	526247	42.043	nq	100
44) 2,4,5-Trichlorophenol	8.96	196	563629	39.210	nq	99
46) 1,1'-Biphenyl	9.09	154	2101200	43.365	nq	99
47) 2-Chloronaphthalene	9.12	162	1591386	40.944	nq	98
48) 2-Nitroaniline	9.22	65	566810	39.969	nq	96
49) Acenaphthylene	9.53	152	2450613	41.276	nq	99
50) Dimethylphthalate	9.40	163	2331453	49.872	nq	99
51) 2,6-Dinitrotoluene	9.46	165	420436	40.296	nq	97
52) Acenaphthene	9.70	154	1462444	41.094	nq	100
53) 3-Nitroaniline	9.63	138	223589	17.970	nq	94
54) 2,4-Dinitrophenol	9.75	184	336489	68.322	nq	93
55) Dibenzofuran	9.87	168	2113198	41.234	nq	98
56) 4-Nitrophenol	9.83	139	532573	79.660	nq	99
57) 2,4-Dinitrotoluene	9.87	165	489973	40.033	nq	96
58) Fluorene	10.22	166	1633506	41.853	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	458109	42.347	nq	99
60) Diethylphthalate	10.10	149	1851546	41.025	nq	99
61) 4-Chlorophenyl-phenylether	10.20	204	798584	39.354	nq	98
62) 4-Nitroaniline	10.25	138	363106	31.340	nq	97
63) Azobenzene	10.37	77	1789149	41.945	nq	97
65) 4,6-Dinitro-2-methylphenol	10.28	198	255948	38.543	nq	97
66) n-Nitrosodiphenylamine	10.33	169	1548170	42.617	nq	99
67) 4-Bromophenyl-phenylether	10.69	248	505882	39.703	nq	97
68) Hexachlorobenzene	10.76	284	530554	39.802	nq	99
69) Atrazine	10.86	200	417001	38.363	nq	99
70) Pentachlorophenol	10.96	266	488263	86.123	nq	99
71) Phenanthrene	11.17	178	2521662	45.703	nq	99
72) Anthracene	11.23	178	2473607	41.878	nq	100
73) Carbazole	11.39	167	2231680	40.437	nq	99
74) Di-n-butylphthalate	11.72	149	2893146	43.497	nq	99
75) Fluoranthene	12.36	202	2719332	45.983	nq	99
77) Benzidine	12.49	184	1017604	48.010	nq	96
78) Pyrene	12.59	202	2653008	51.271	nq	99
80) Butylbenzylphthalate	13.21	149	1097826	45.056	nq	99
81) Benzo(a)anthracene	13.77	228	1693639	44.240	nq	99
82) 3,3'-Dichlorobenzidine	13.74	252	482909	33.473	nq	98
83) Chrysene	13.82	228	1789110	43.521	nq	99
84) Bis(2-ethylhexyl)phthalate	13.77	149	1426644	47.061	nq	100
85) Di-n-octyl phthalate	14.38	149	2368758	43.434	nq	98
86) Indeno(1,2,3-cd)pyrene	16.52	276	1752884	46.981	nq	99
88) Benzo(b)fluoranthene	14.79	252	1763873	45.103	nq	98
89) Benzo(k)fluoranthene	14.82	252	1396965	41.230	nq	100
90) Benzo(a)pyrene	15.12	252	1482681	42.275	nq	99
91) Dibenzo(a,h)anthracene	16.52	278	1416563	45.591	nq	99
92) Benzo(g,h,i)perylene	16.92	276	1531618	48.884	nq	98

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



#1

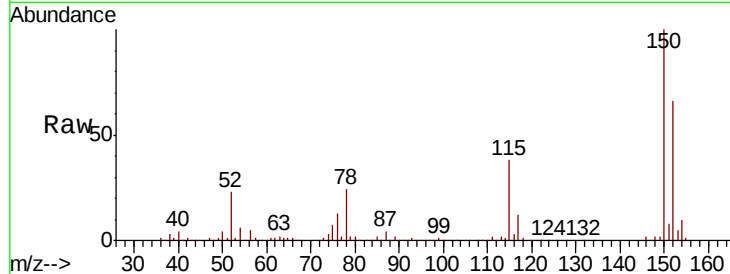
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.2	189.2
115	58.3	47.9	71.9

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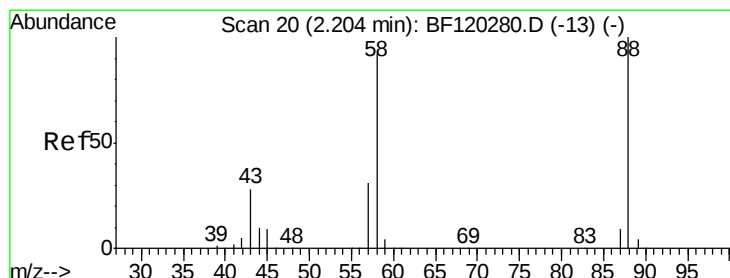
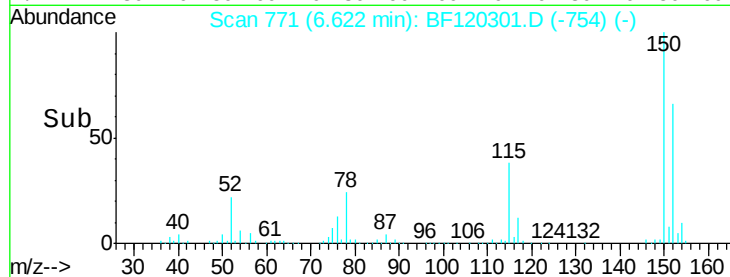
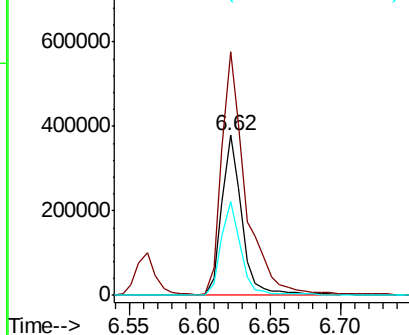


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

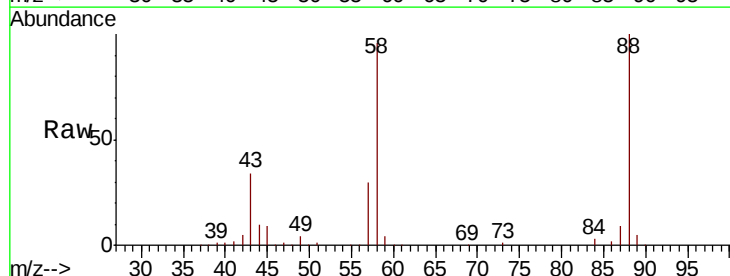
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 42.575 ng
RT: 2.29 min Scan# 35
Delta R.T. 0.09 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.9	75.8	113.6
43	28.5	23.6	35.4

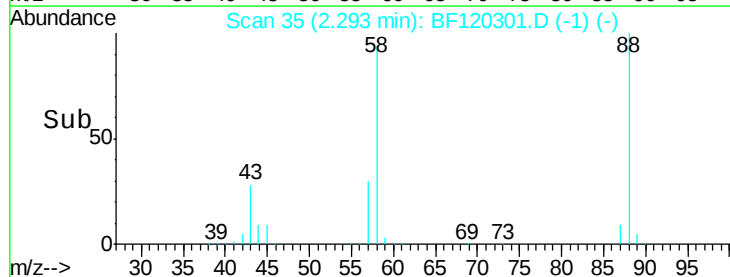
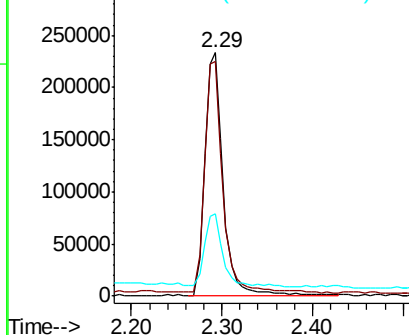


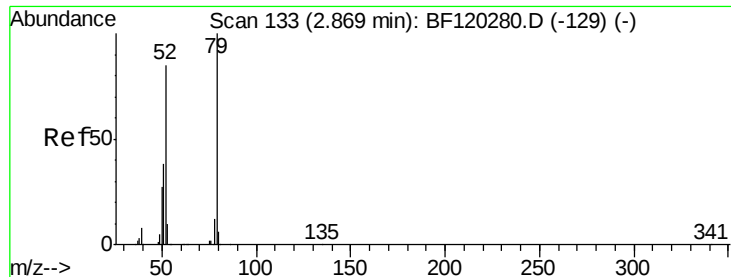
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 30.413 ng

RT: 2.96 min Scan# 148

Delta R.T. 0.09 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

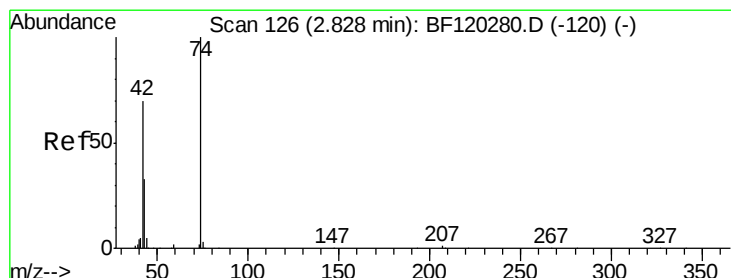
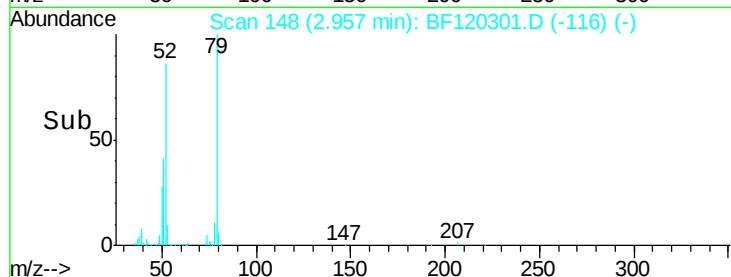
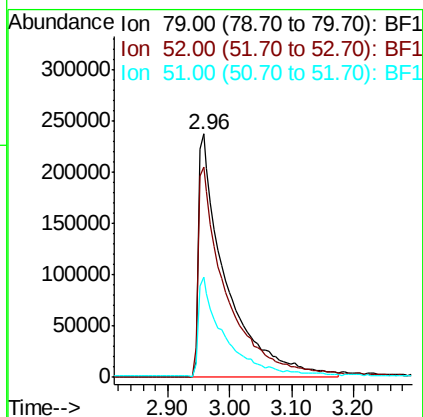
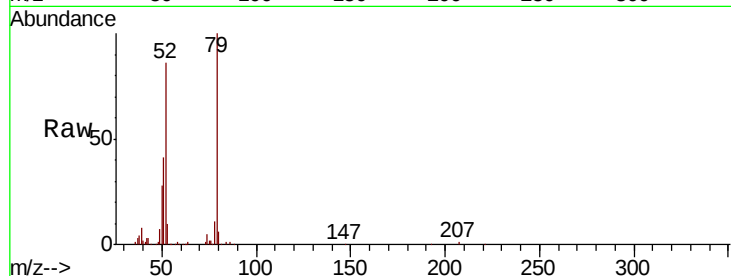
ClientSampleId :

239997MSD

Tot Ion:	79	Resp:	736318
Ion Ratio	Lower	Upper	
79	100		
52	86.2	68.4	102.6
51	41.0	31.0	46.4

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#4

n-Nitrosodimethylamine

Concen: 41.833 ng

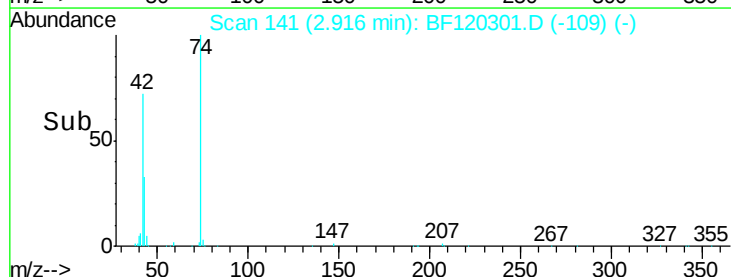
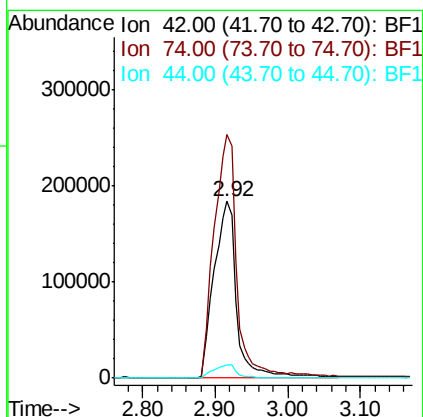
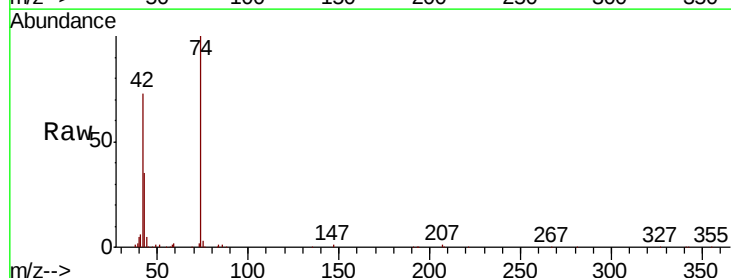
RT: 2.92 min Scan# 141

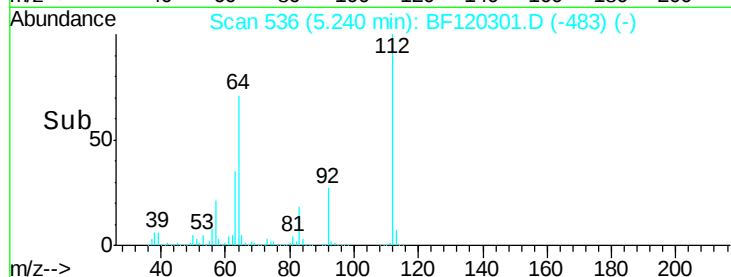
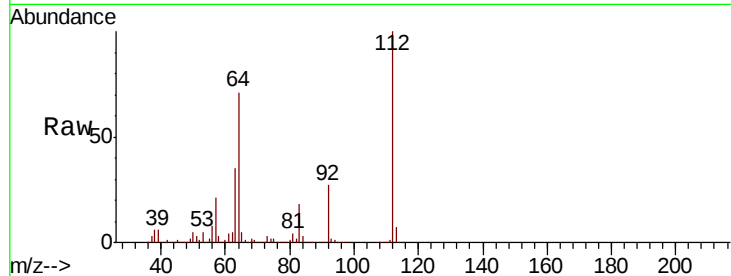
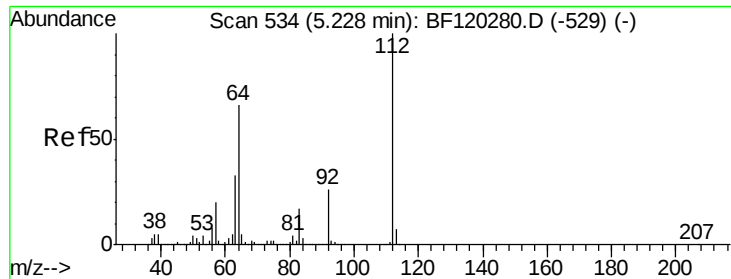
Delta R.T. 0.09 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Tgt Ion:	42	Resp:	396571
Ion Ratio	Lower	Upper	
42	100		
74	137.6	114.8	172.2
44	7.2	5.6	8.4





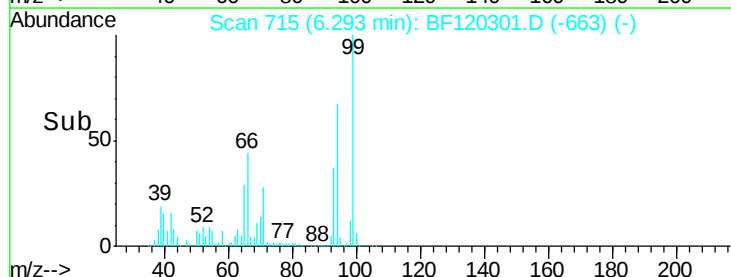
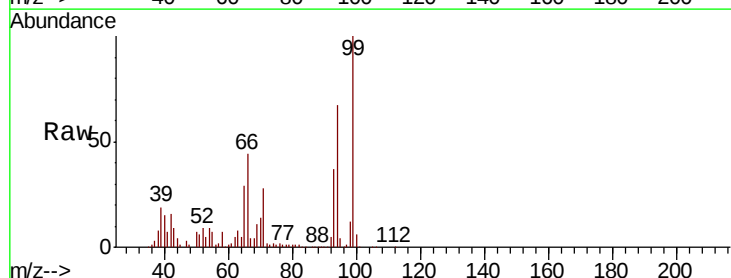
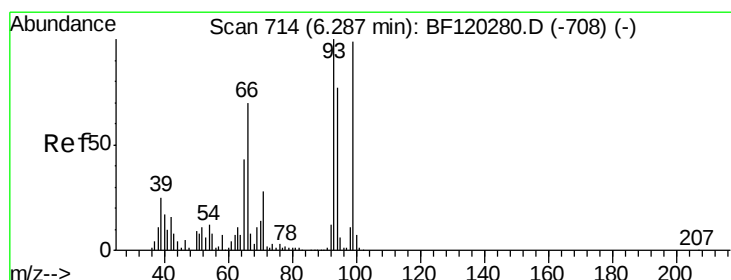
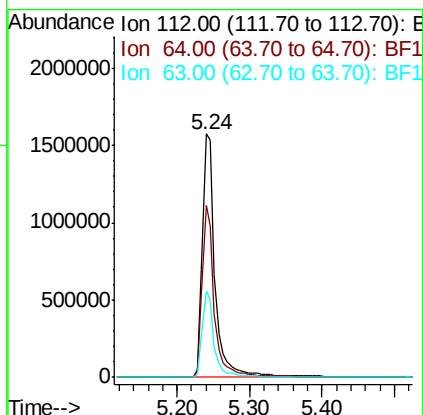
#5
2-Fluorophenol
Concen: 101.200 ng
RT: 5.24 min Scan# 536
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tot Ion: 112 Resp: 1959375
Ion Ratio Lower Upper
112 100
64 70.6 52.7 79.1
63 35.2 26.2 39.4

Instrument :
BNA_F
ClientSampleId :
239997MSD

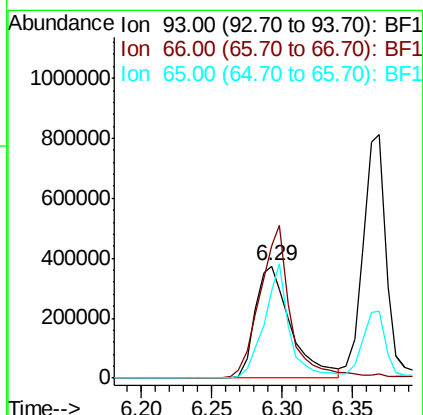
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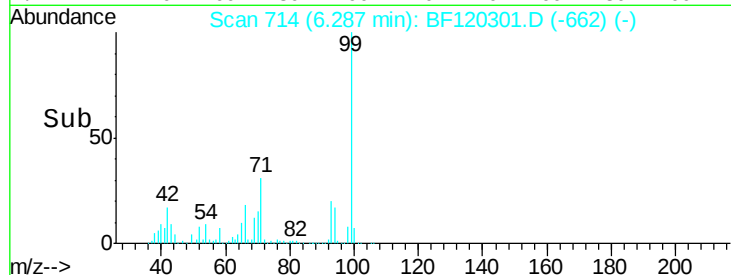
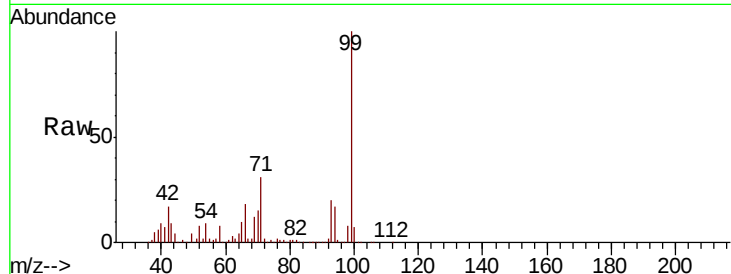
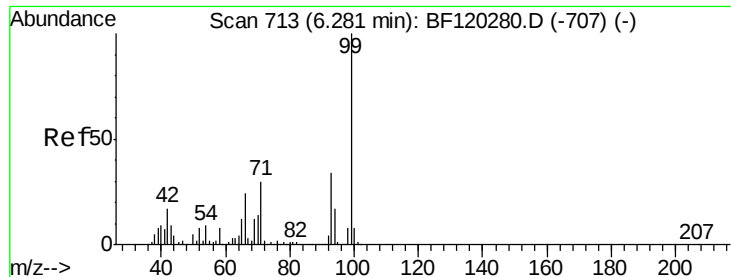
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#6
Aniline
Concen: 21.108 ng
RT: 6.29 min Scan# 715
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion: 93 Resp: 660944
Ion Ratio Lower Upper
93 100
66 117.8 56.2 84.4#
65 78.0 34.2 51.2#





#7

Phenol-d6

Concen: 100.315 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Tot Ion: 99 Resp: 2456136

Ion Ratio Lower Upper

99 100

42 17.4 13.6 20.4

71 31.1 24.2 36.4

Instrument :

BNA_F

ClientSampleId :

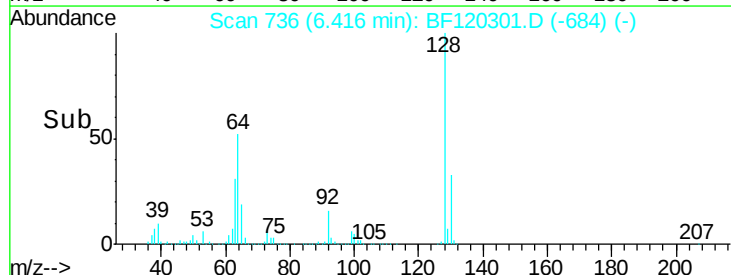
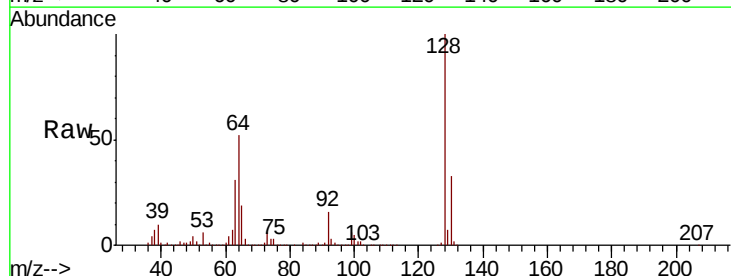
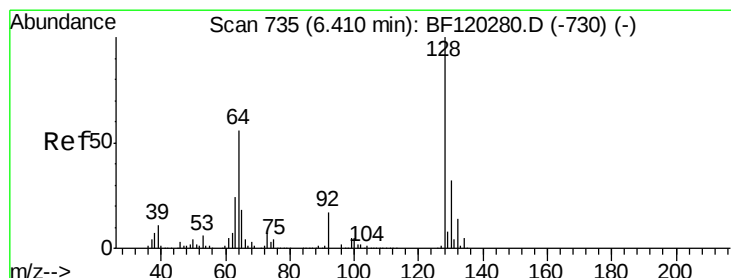
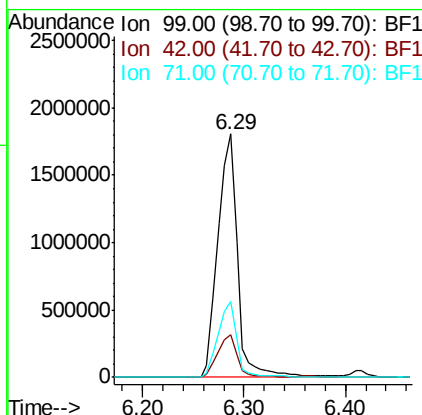
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#8

2-Chlorophenol

Concen: 42.394 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

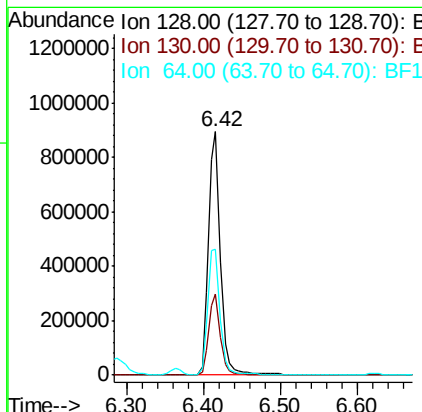
Tgt Ion: 128 Resp: 957040

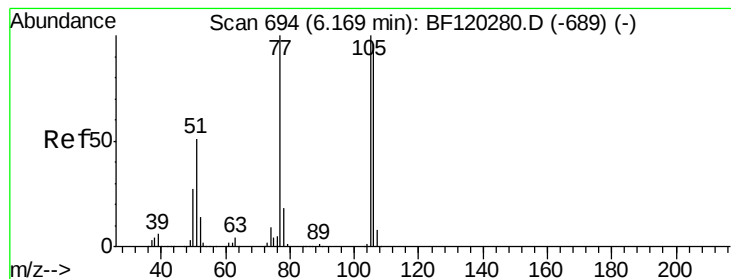
Ion Ratio Lower Upper

128 100

130 33.0 12.4 52.4

64 51.6 36.7 76.7





#9

Benzaldehyde

Concen: 40.044 ng

RT: 6.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

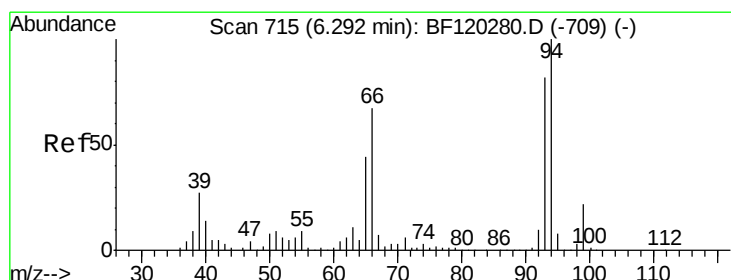
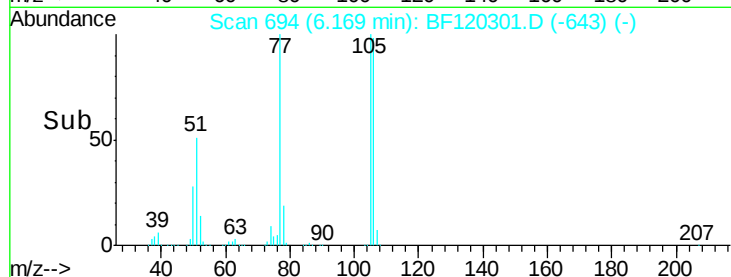
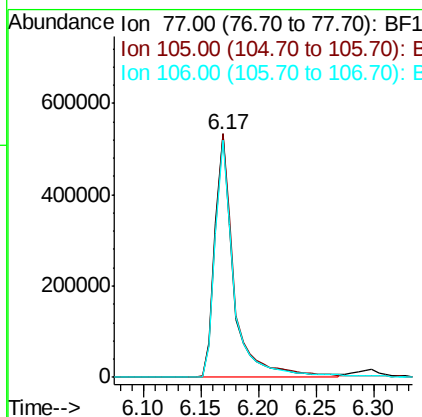
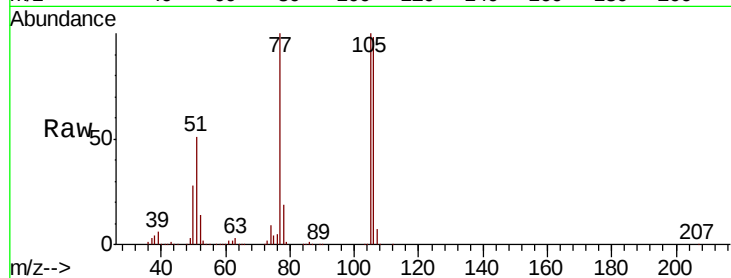
ClientSampleId :

239997MSD

Tot Ion:	77	Resp:	604407
Ion Ratio	Lower	Upper	
77	100		
105	100.1	79.9	119.9
106	97.7	75.7	115.7

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#10

Phenol

Concen: 40.546 ng

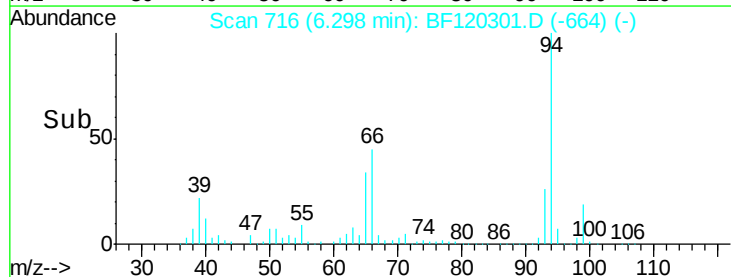
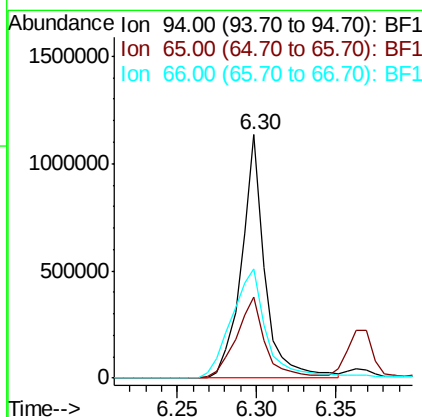
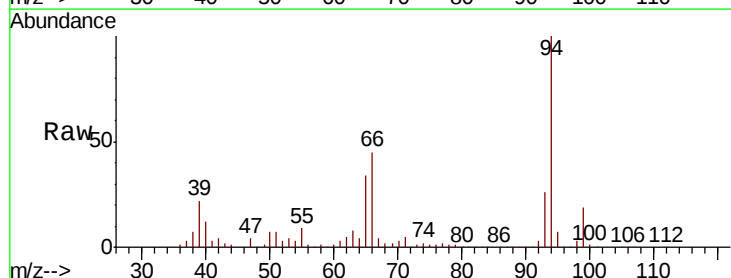
RT: 6.30 min Scan# 716

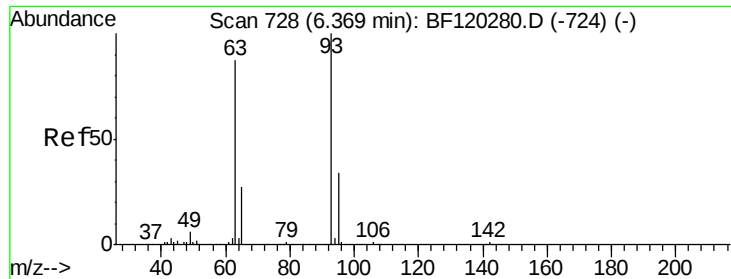
Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Tgt Ion:	94	Resp:	1158860
Ion Ratio	Lower	Upper	
94	100		
65	33.5	24.1	64.1
66	44.8	47.5	87.5#





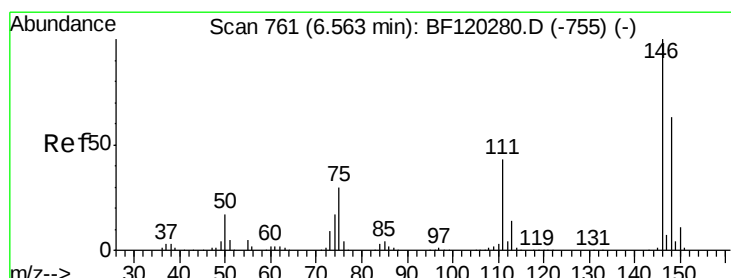
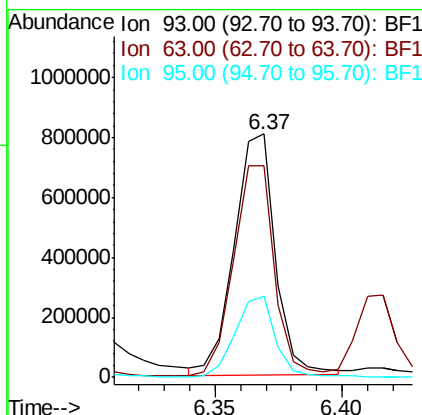
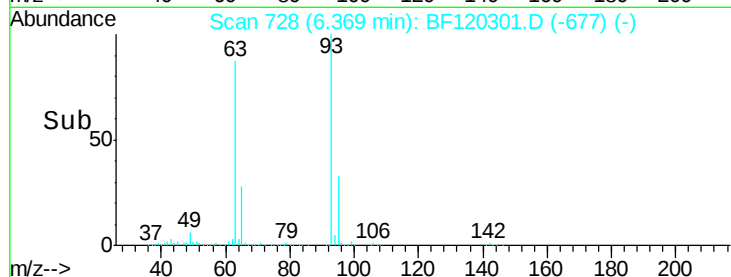
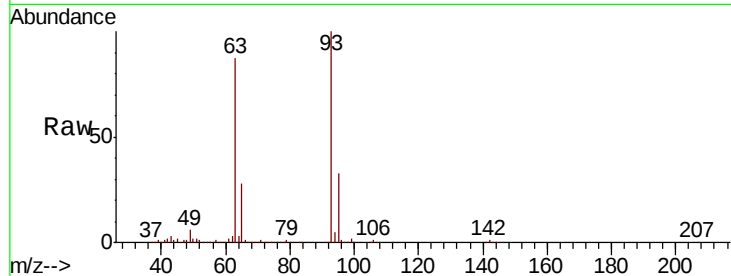
#11
bis(2-Chloroethyl)ether
Concen: 39.973 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	87.1	65.4	105.4
95	33.1	12.9	52.9

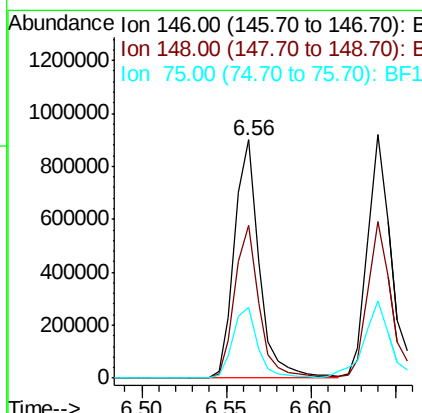
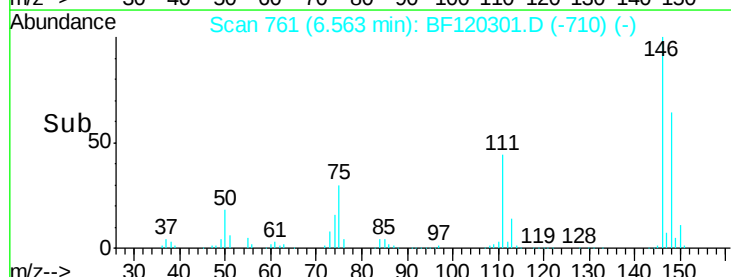
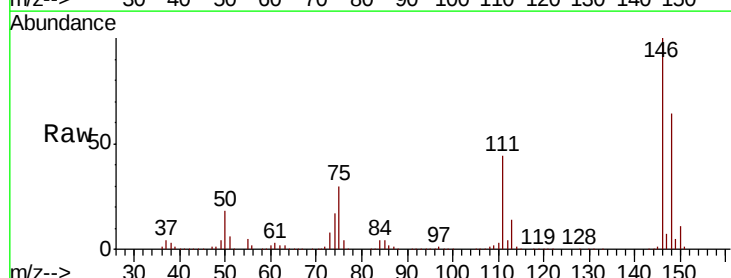
Manual Integrations
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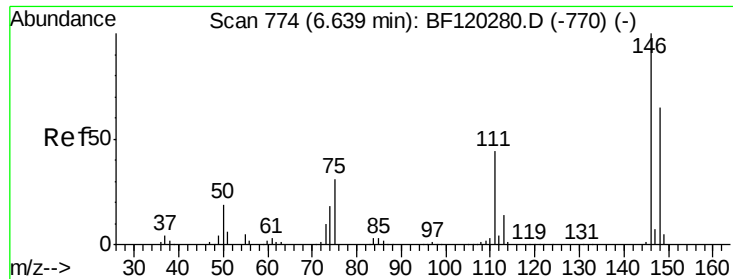
mohammad
5/18/2020 1:32:05 PM



#12
1,3-Dichlorobenzene
Concen: 38.060 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
75	30.0	24.2	36.4





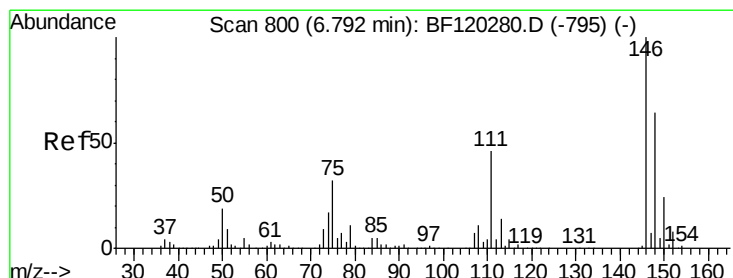
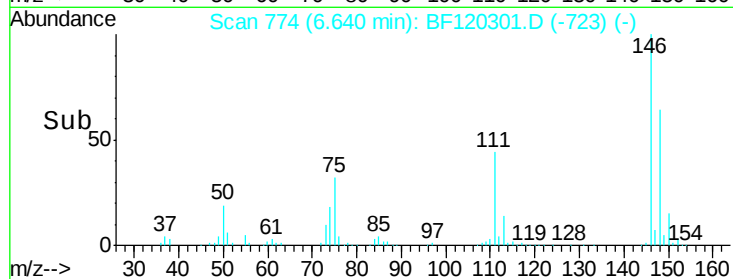
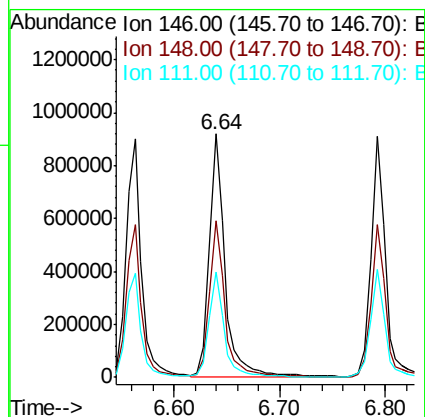
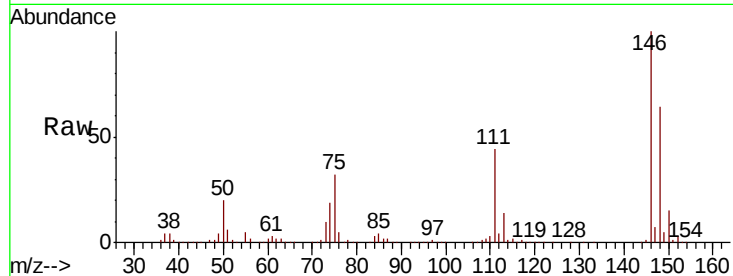
#13
 1,4-Dichlorobenzene
 Concen: 38.811 ng
 RT: 6.64 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampled :
 239997MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
111	43.5	35.1	52.7

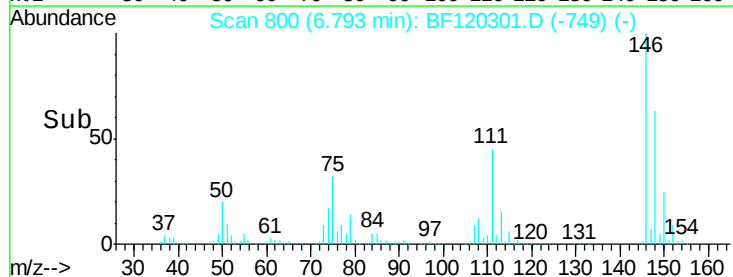
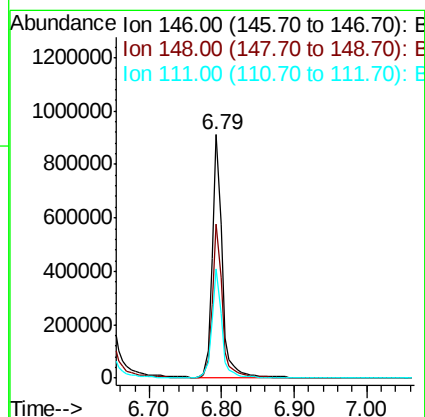
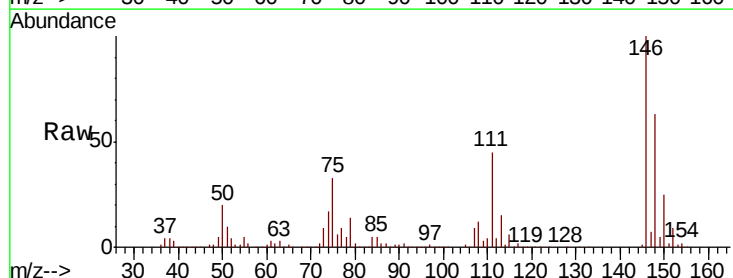
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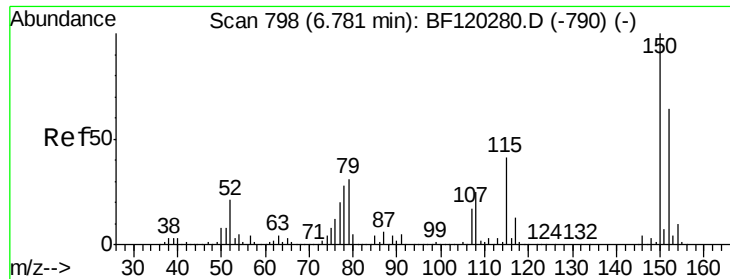
mohammad
 5/18/2020 1:32:05 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.462 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	44.9	36.6	55.0





#15

Benzyl Alcohol

Concen: 41.738 ng

RT: 6.78 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion: 79 Resp: 726018

Ion Ratio Lower Upper

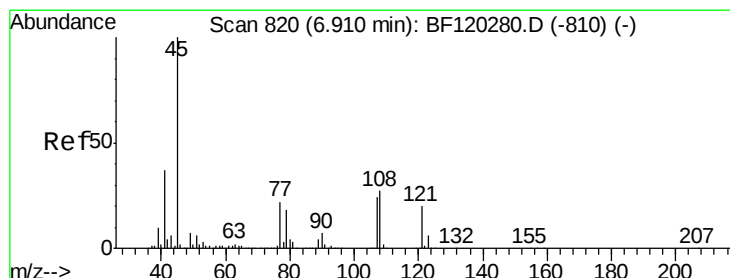
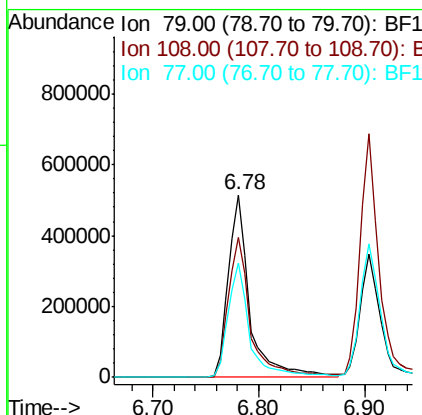
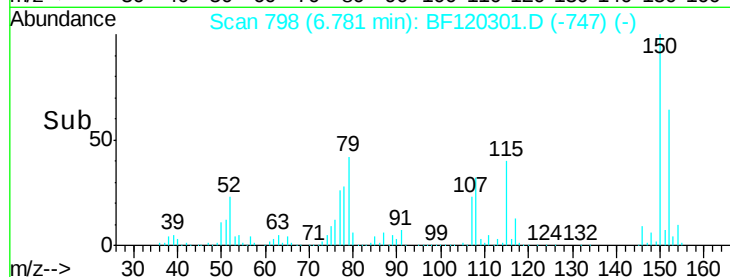
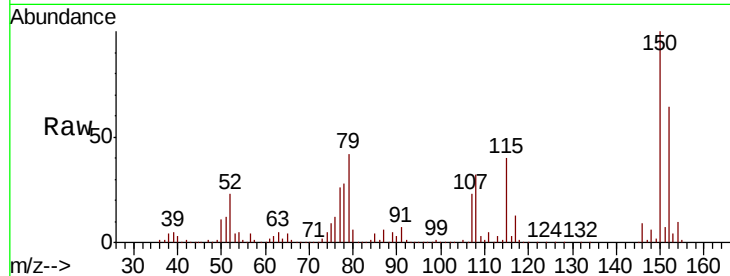
79 100

108 76.6 64.2 96.4

77 62.3 51.6 77.4

Manual Integrations
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5/18/2020 1:32:05 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.131 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

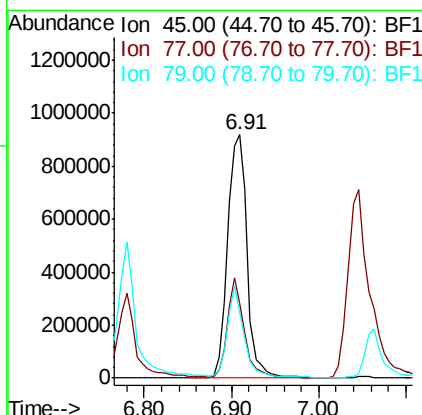
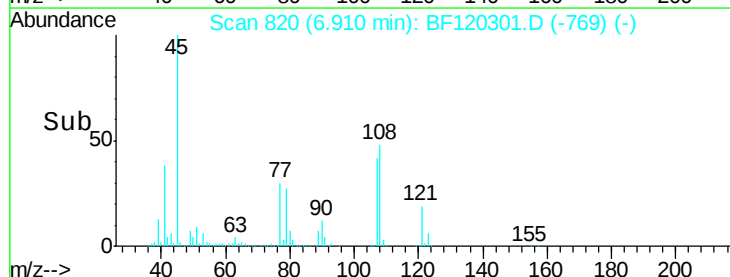
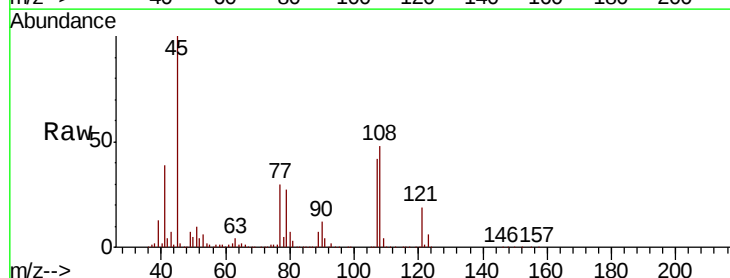
Tgt Ion: 45 Resp: 1407946

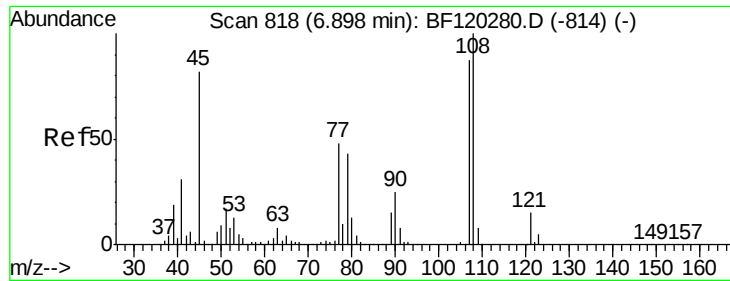
Ion Ratio Lower Upper

45 100

77 30.5 3.1 43.1

79 27.1 0.0 40.0





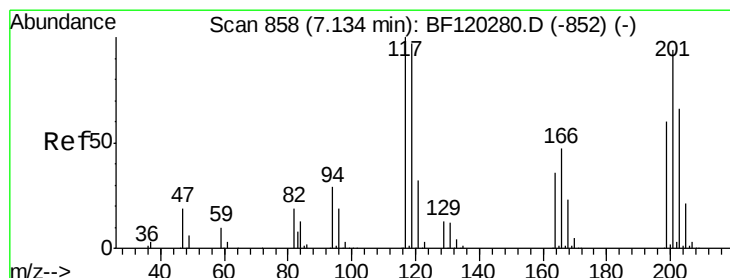
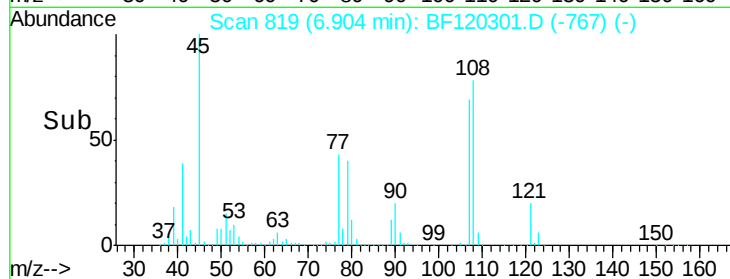
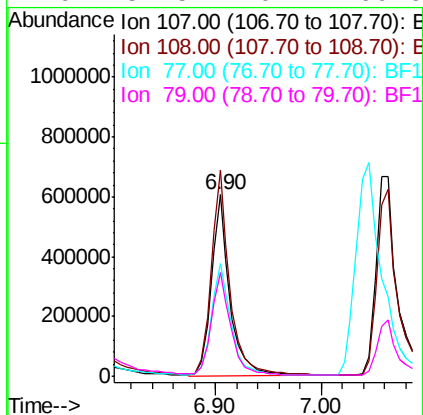
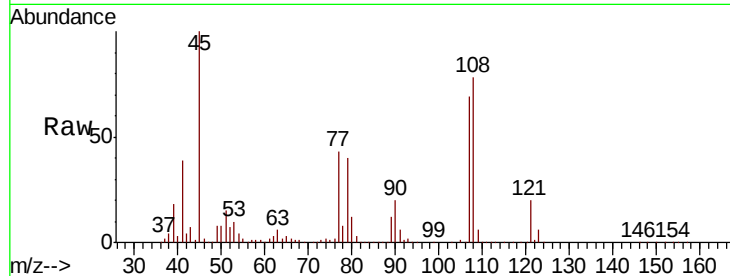
#17
2-Methylphenol
Concen: 38.851 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.3	92.4	138.6	
77	62.0	44.5	66.7	
79	57.5	40.4	60.6	

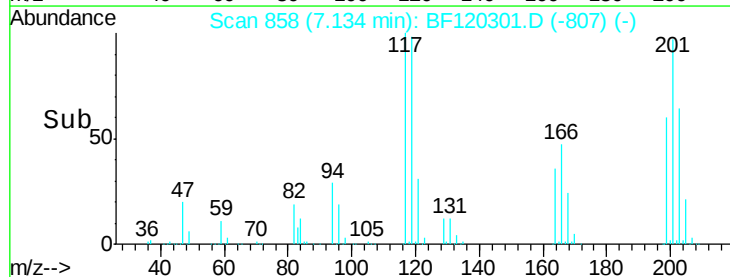
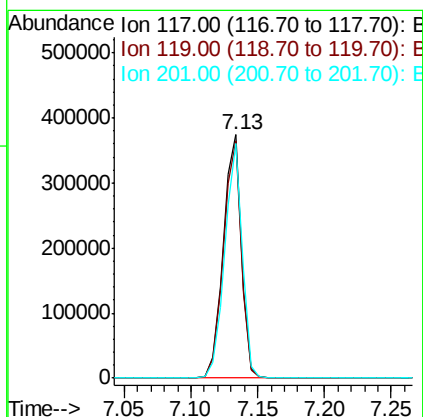
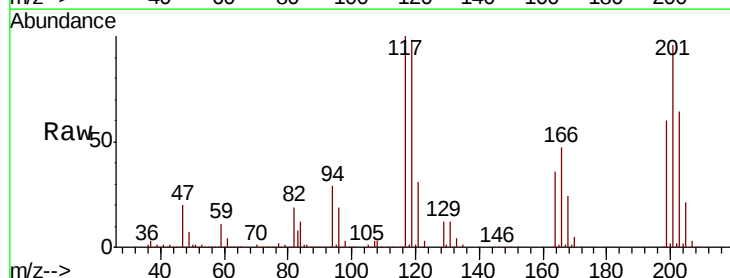
Manual Integrations
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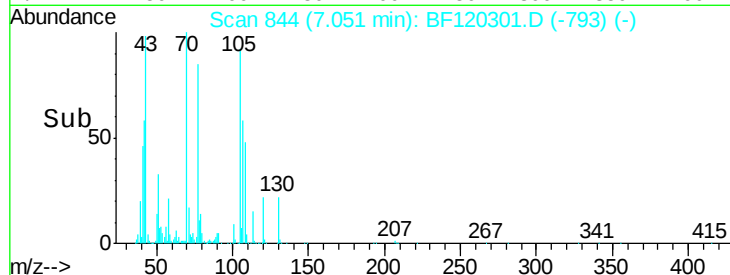
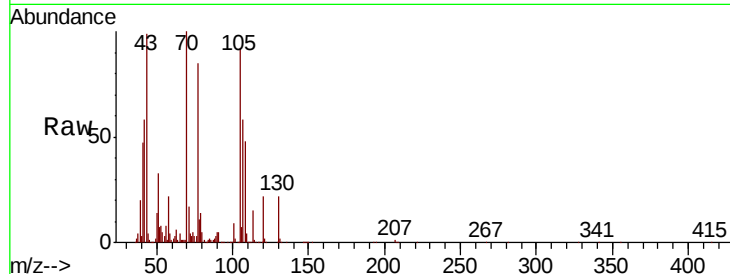
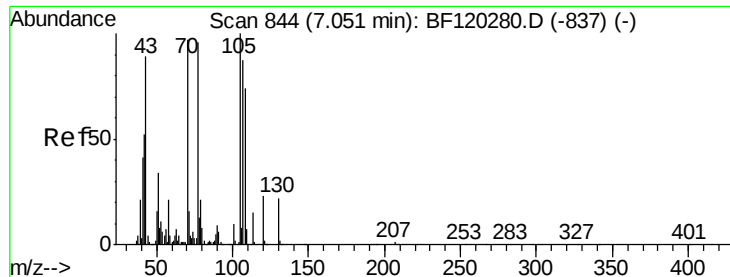
mohammad
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#18
Hexachloroethane
Concen: 37.948 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.5	77.4	116.0	
201	96.3	74.9	112.3	





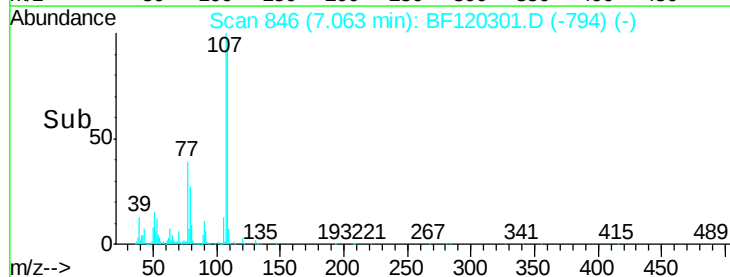
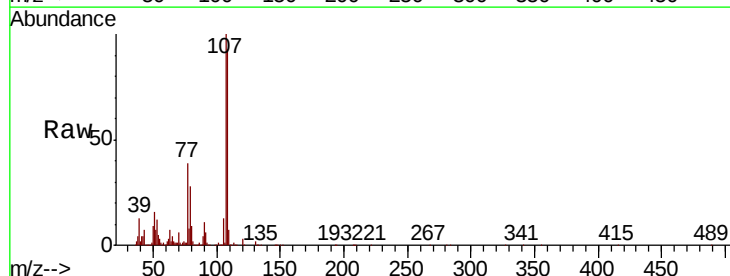
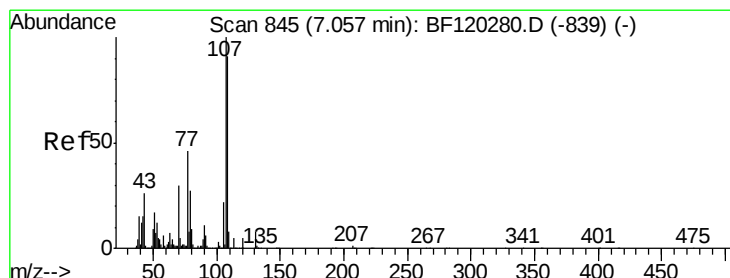
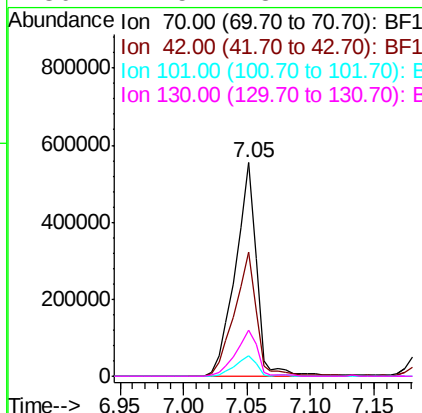
#19
n-Nitroso-di-n-propylamine
Concen: 40.017 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Manual Integrations
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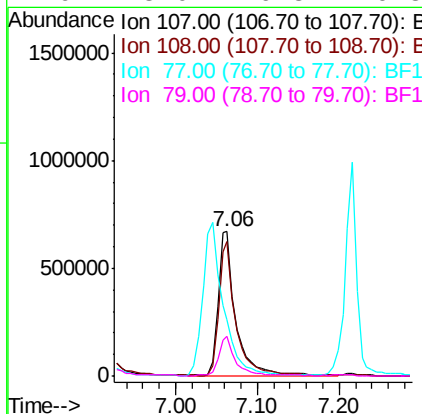
mohammad
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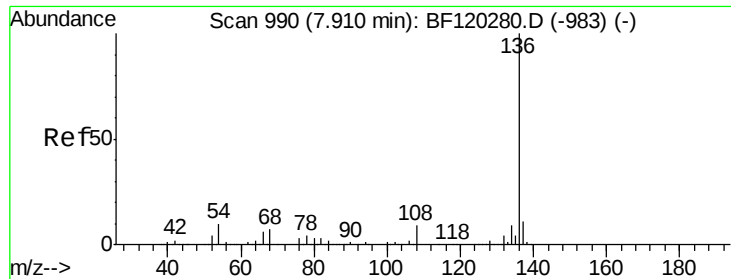
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	58.3	43.4	65.0	
101	9.3	7.8	11.8	
130	21.5	18.2	27.4	



#20
3+4-Methylphenols
Concen: 39.436 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.5	71.1	111.1	
77	39.5	28.1	68.1	
79	28.0	6.8	46.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion:136 Resp: 1470402

Ion Ratio Lower Upper

136 100

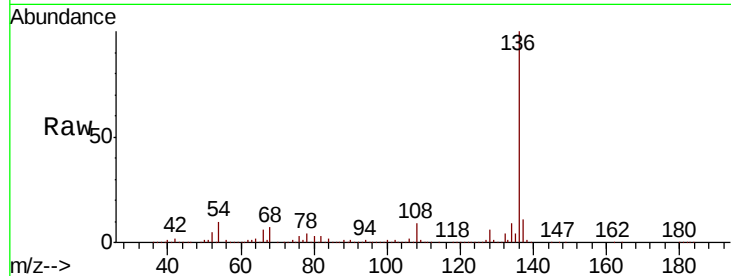
137 11.4 9.1 13.7

54 10.0 7.9 11.9

68 6.8 5.4 8.2

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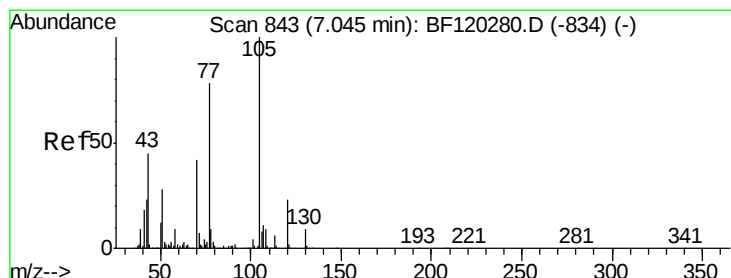
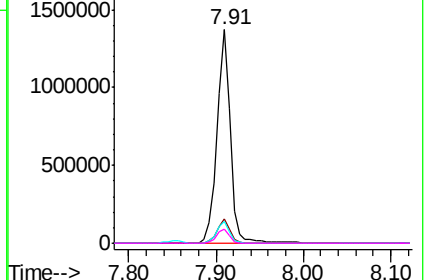
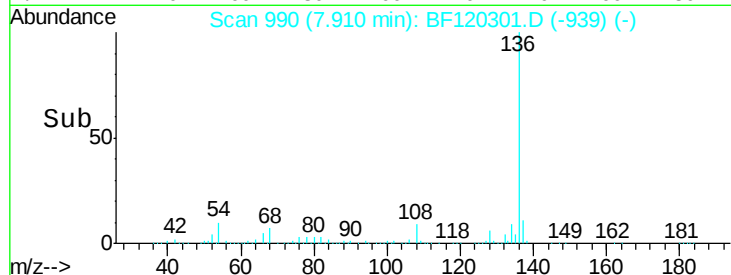


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.525 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Tgt Ion:105 Resp: 1280983

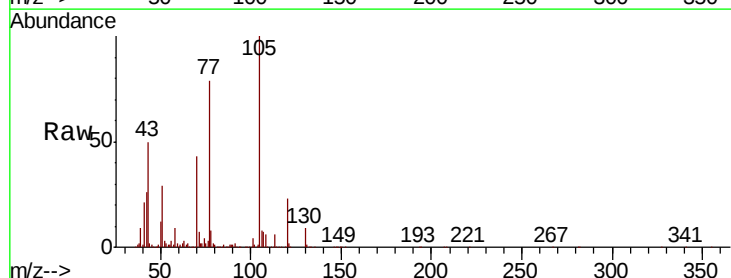
Ion Ratio Lower Upper

105 100

71 7.1 5.6 8.4

51 29.5 22.6 34.0

120 22.6 18.7 28.1

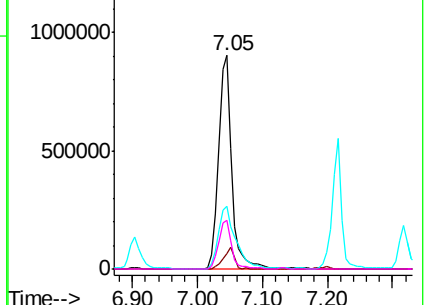
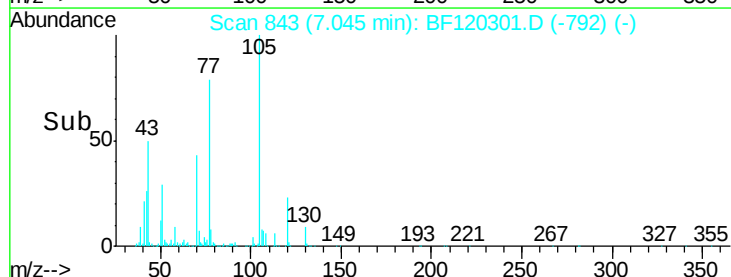


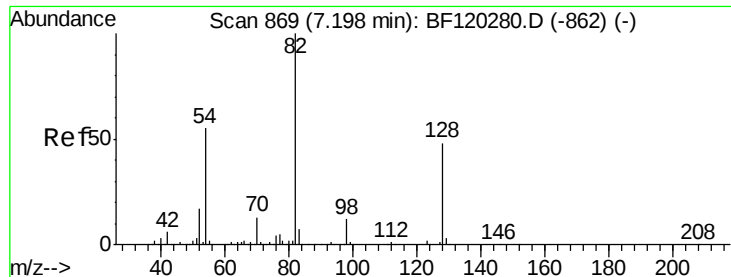
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





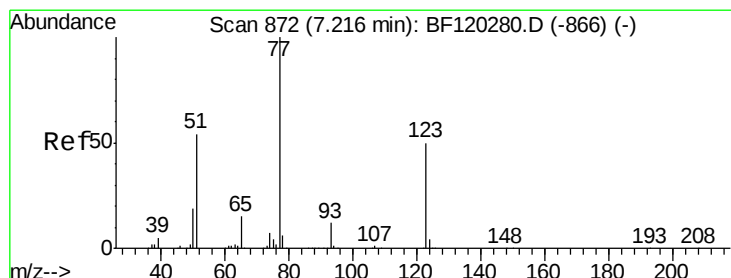
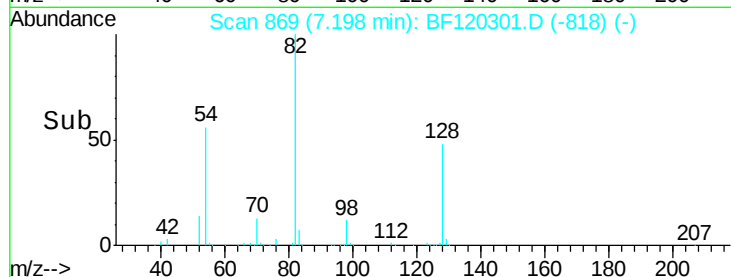
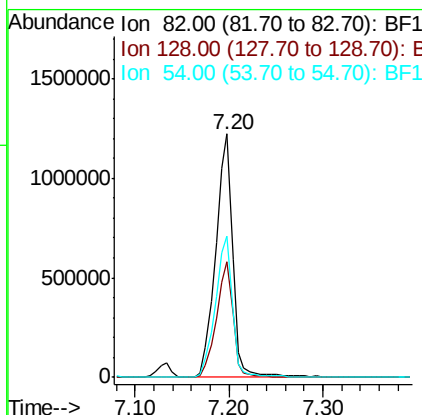
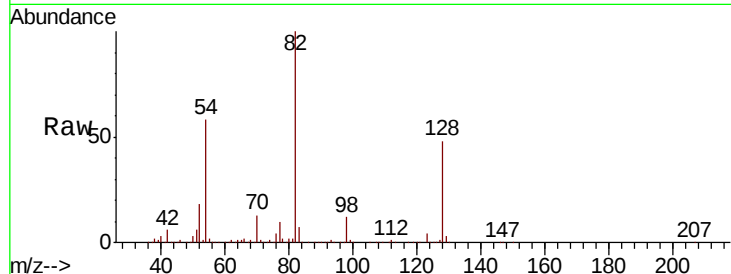
#23
Nitrobenzene-d5
Concen: 72.829 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.3	57.5
54	57.8	43.9	65.9

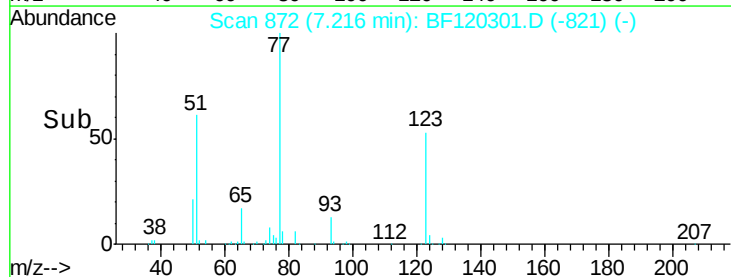
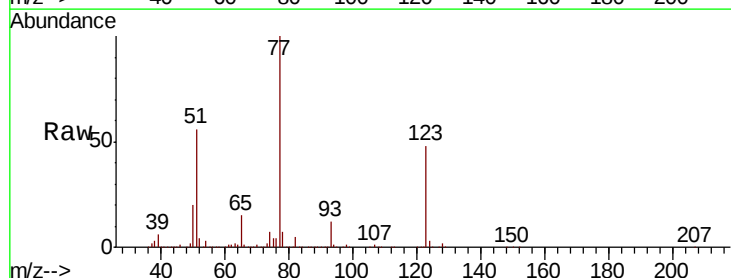
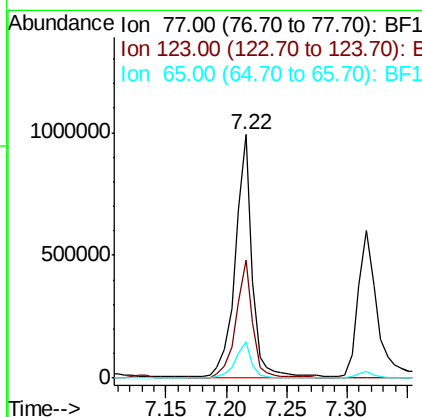
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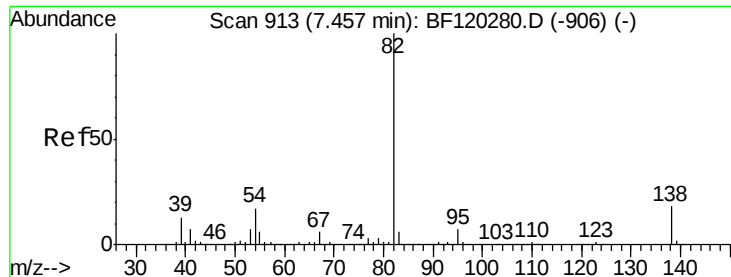
mohammad
5/18/2020 1:32:05 PM



#24
Nitrobenzene
Concen: 41.754 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.3	40.0	60.0
65	15.0	11.7	17.5





#25

Isophorone

Concen: 40.879 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion: 82 Resp: 1826695

Ion Ratio Lower Upper

82 100

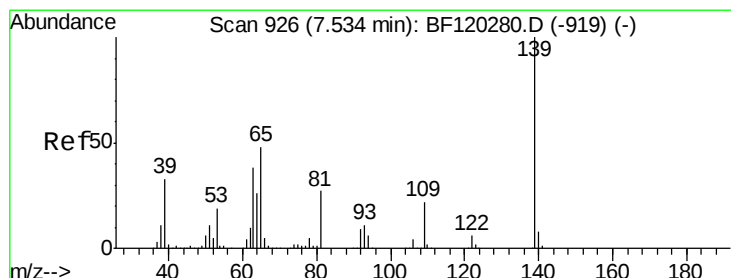
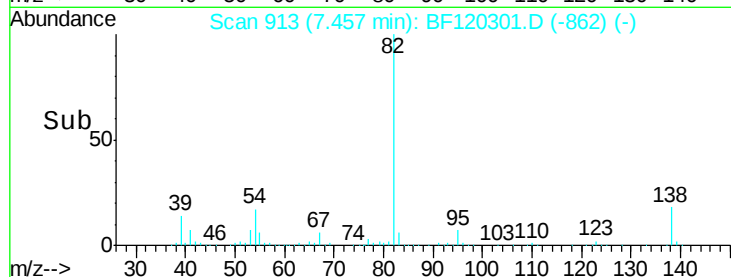
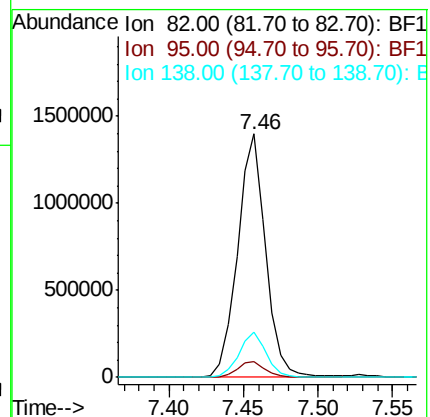
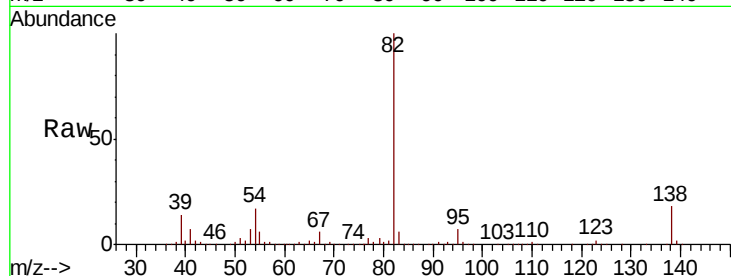
95 6.6 5.4 8.0

138 18.5 14.7 22.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 43.560 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

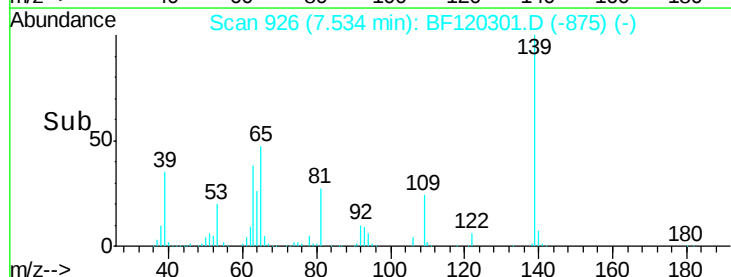
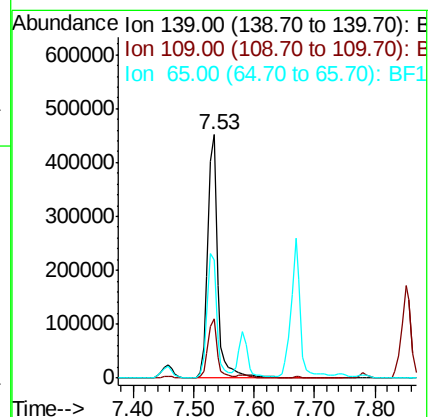
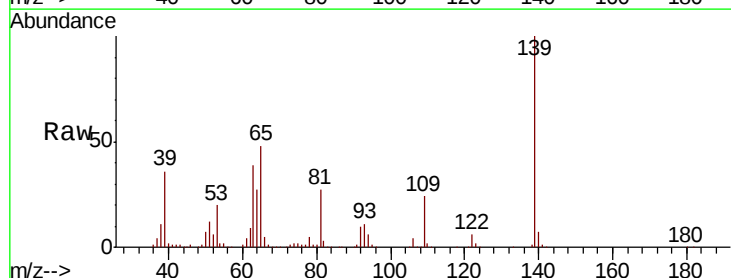
Tgt Ion: 139 Resp: 526560

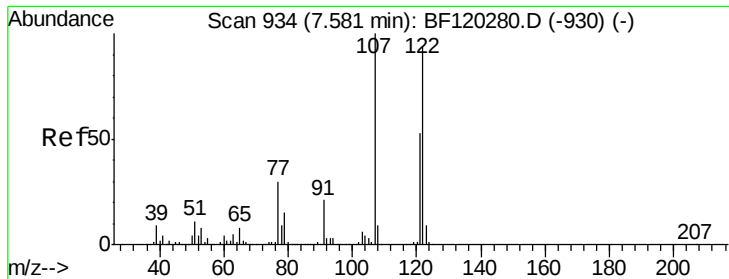
Ion Ratio Lower Upper

139 100

109 24.3 17.7 26.5

65 48.3 38.3 57.5





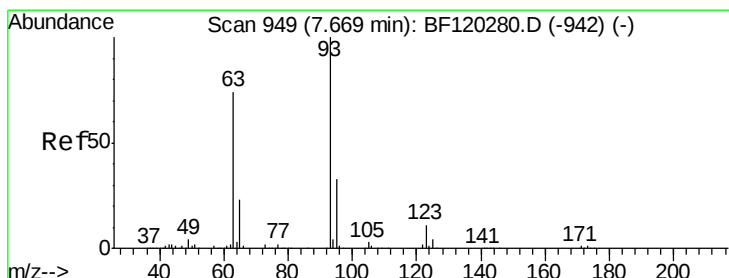
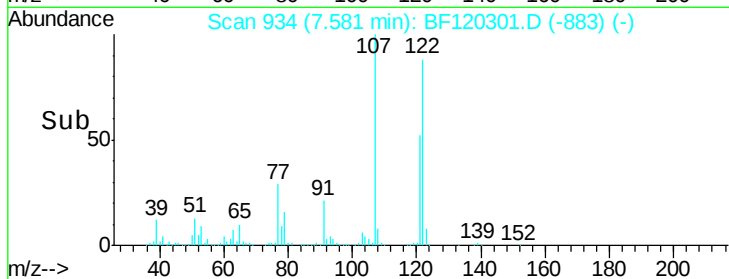
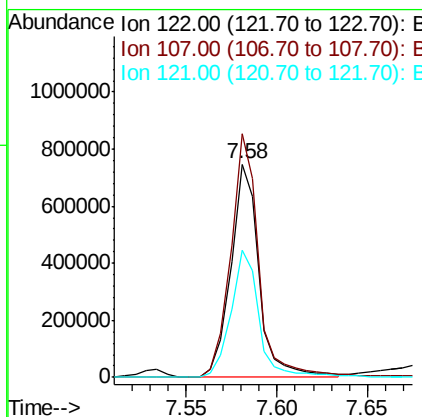
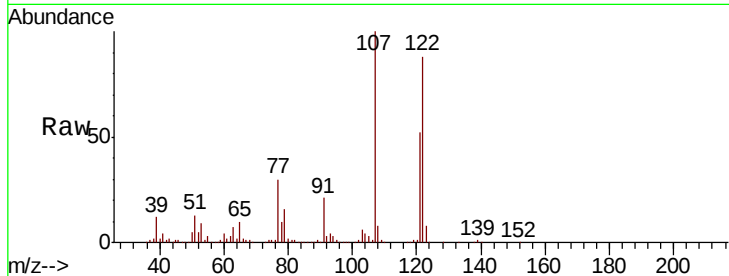
#27
2,4-Dimethylphenol
Concen: 45.902 ng
RT: 7.58 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	807159		
107	114.1	85.0	127.6	
121	59.5	45.1	67.7	

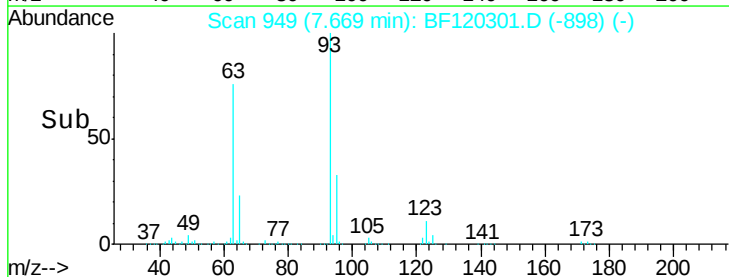
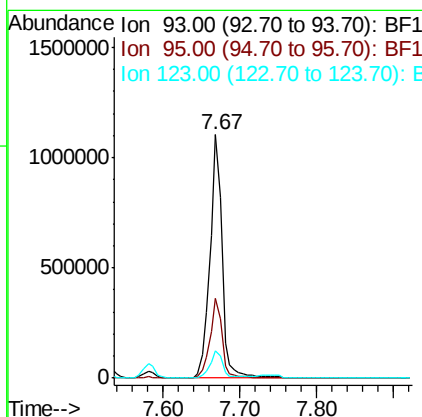
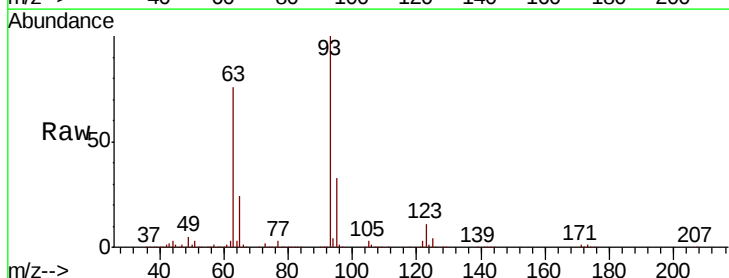
Manual Integrations
APPROVED

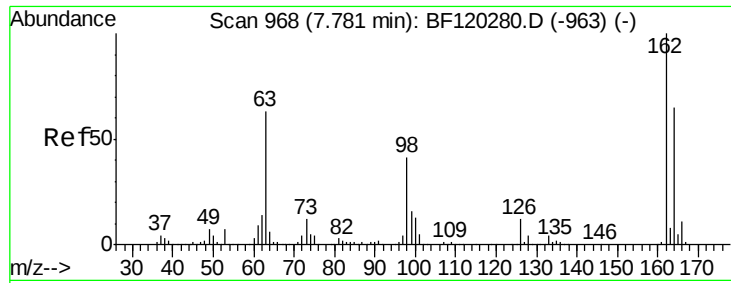
mohammad
5/18/2020 1:32:05 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.402 ng
RT: 7.67 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1190927		
95	33.0	26.8	40.2	
123	11.4	9.2	13.8	





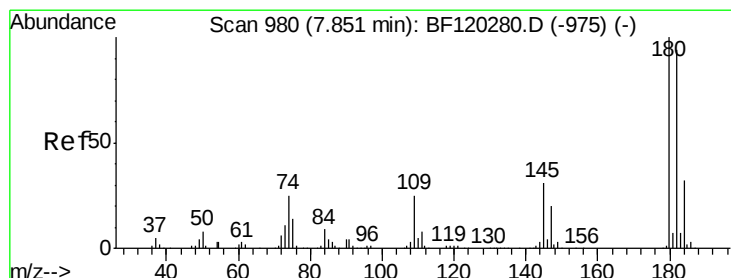
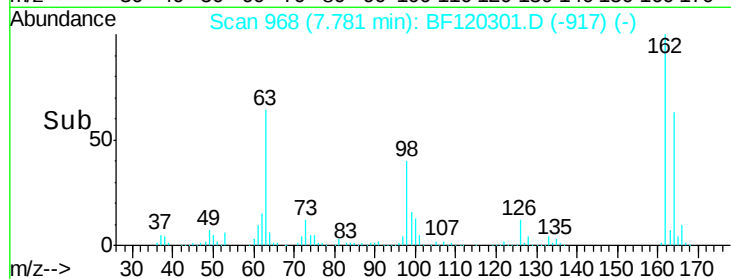
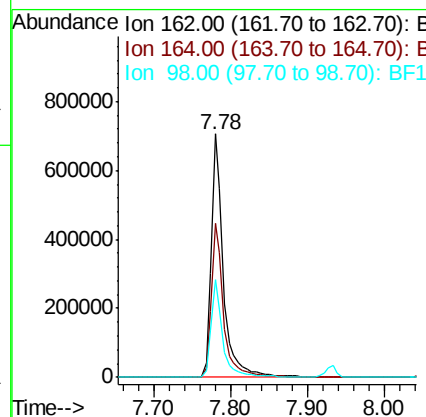
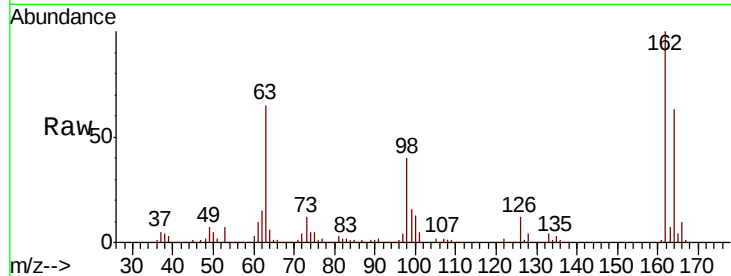
#29
2,4-Dichlorophenol
Concen: 42.615 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.9	84.9
98	40.1	20.7	60.7

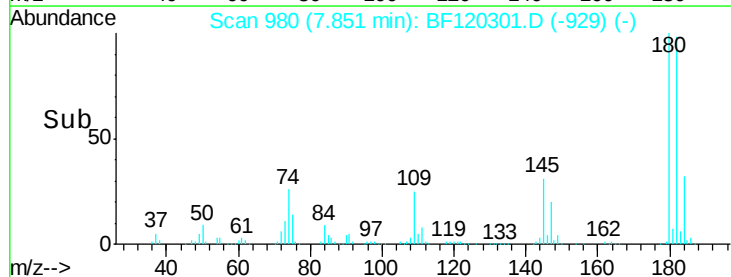
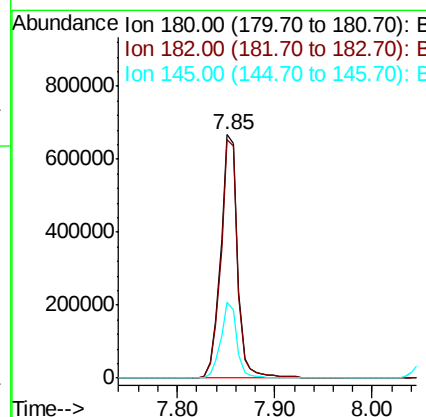
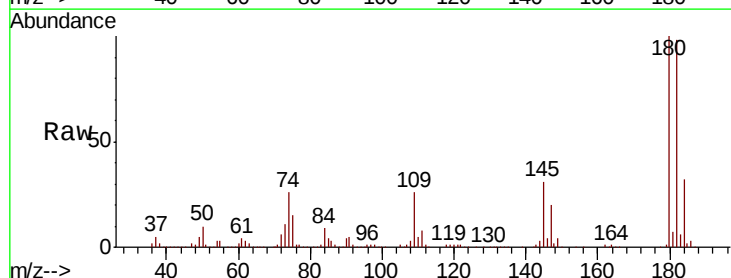
Manual Integrations
APPROVED

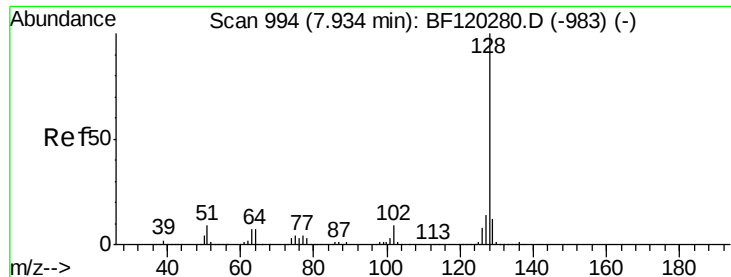
mohammad
5/18/2020 1:32:05 PM



#30
1,2,4-Trichlorobenzene
Concen: 40.296 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.3	112.9
145	31.0	24.9	37.3





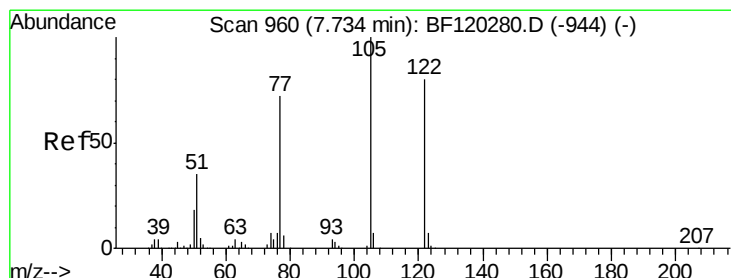
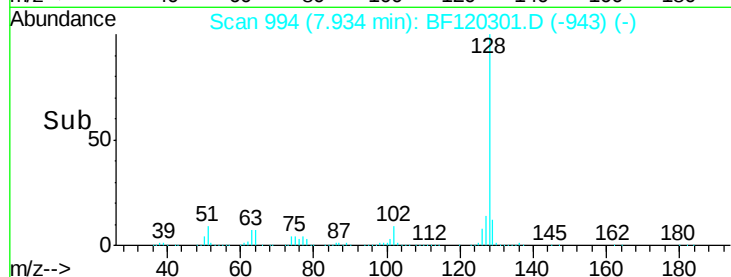
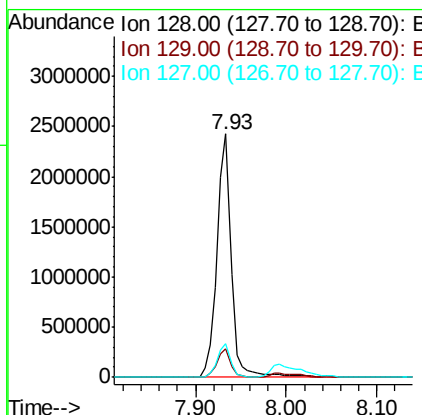
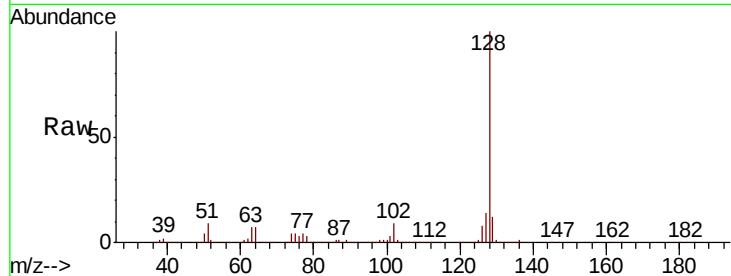
#31
Naphthalene
Concen: 42.693 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	14.1	11.2	16.8

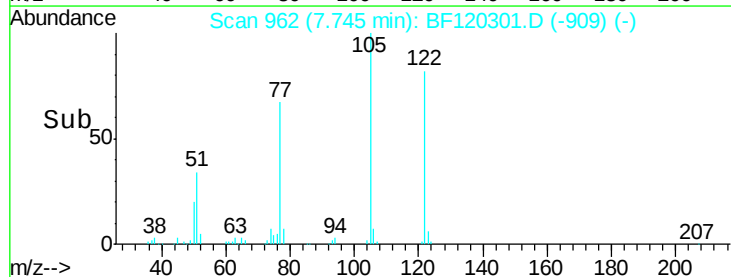
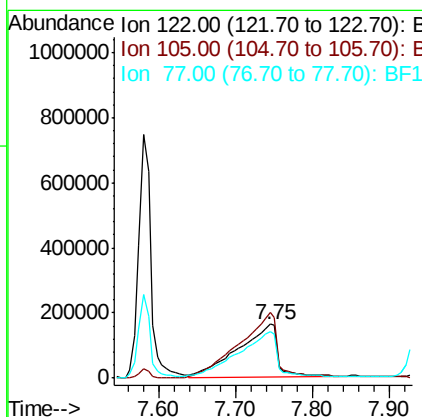
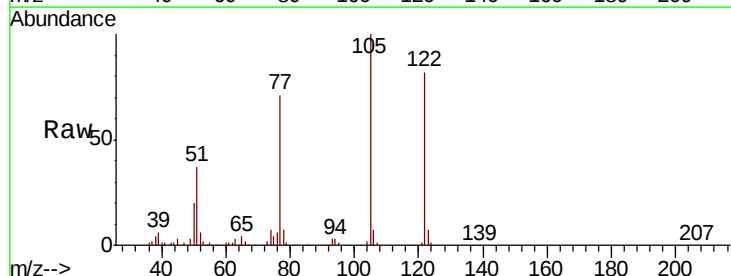
Manual Integrations
APPROVED

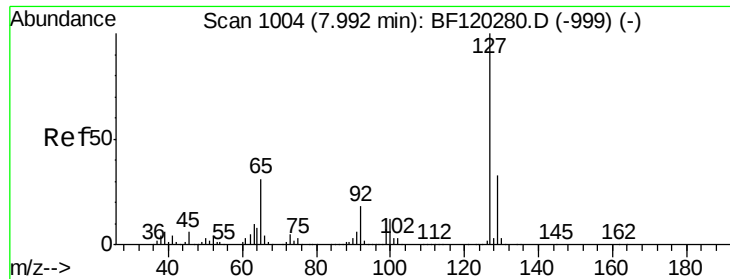
mohammad
5/18/2020 1:32:05 PM



#32
Benzoic acid
Concen: 49.833 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.7	98.1	138.1
77	86.7	66.7	106.7





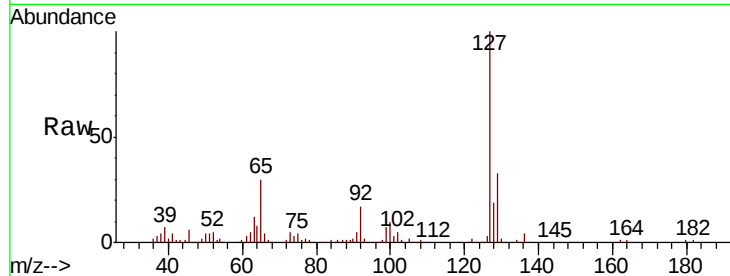
#33
4-Chloroaniline
Concen: 10.776 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		304770		
129	32.7	26.4	39.6		
65	29.9	24.8	37.2		
92	17.1	14.5	21.7		

Manual Integrations
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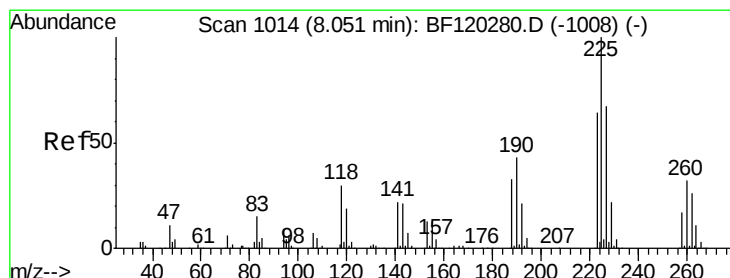
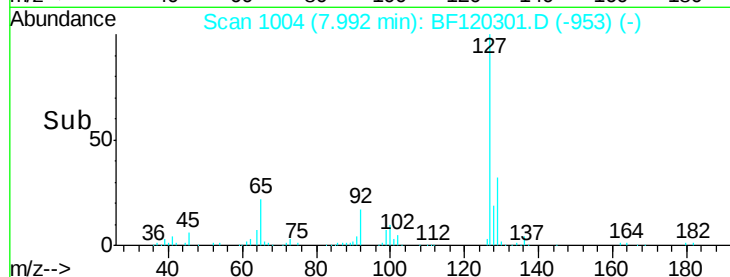
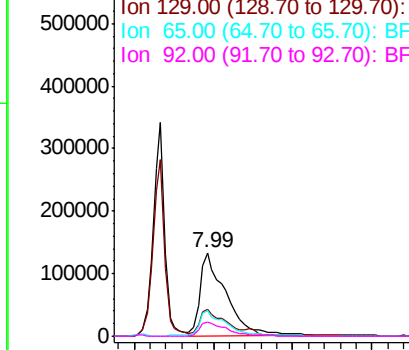
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

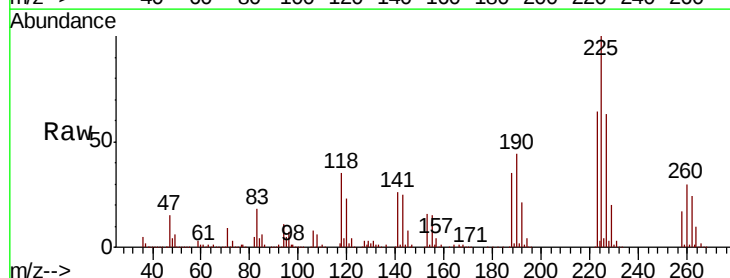
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 39.006 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		451197		
223	64.2	51.4	77.0		
227	63.2	54.0	81.0		

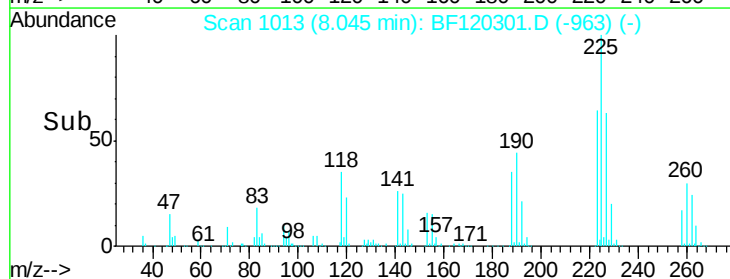
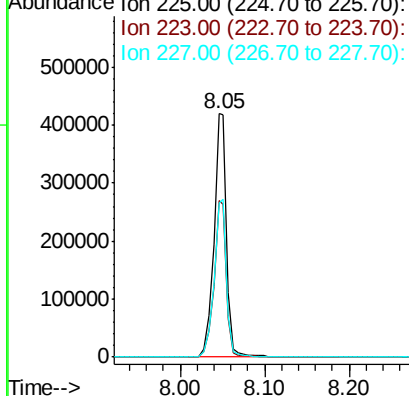


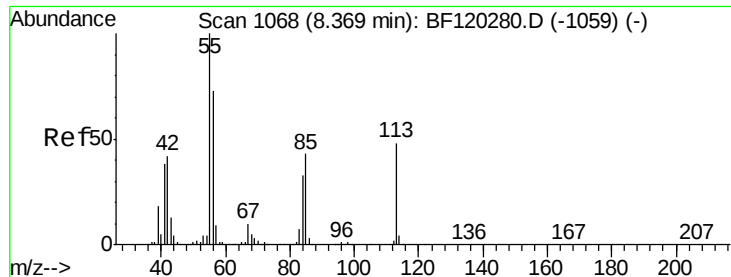
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





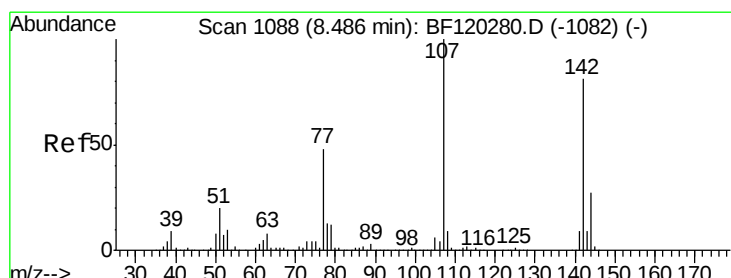
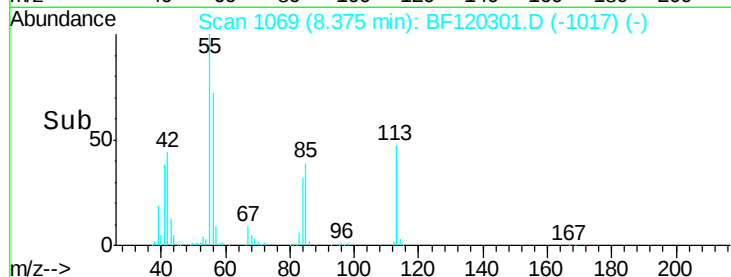
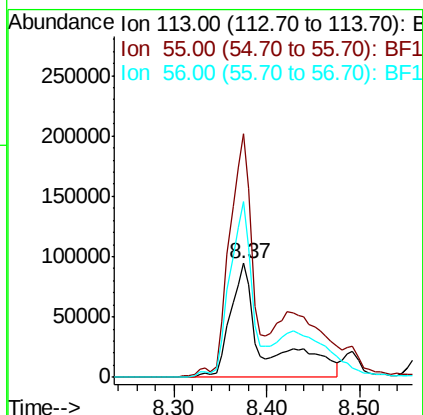
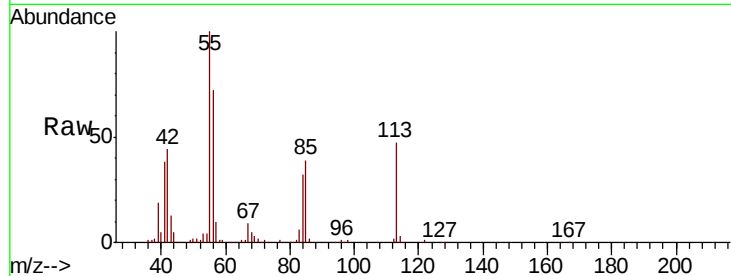
#35
Caprolactam
Concen: 41.184 ng/ml
RT: 8.37 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	213.5		190.4	230.4	
56	153.9		132.7	172.7	

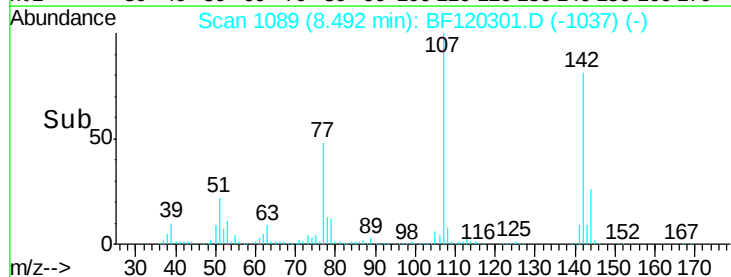
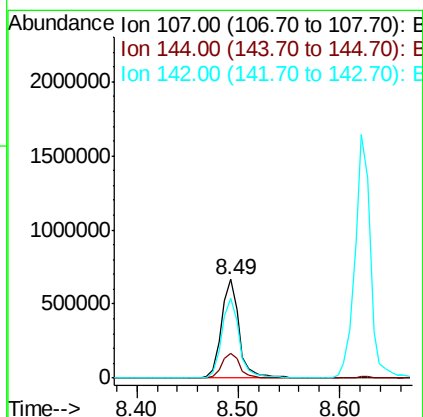
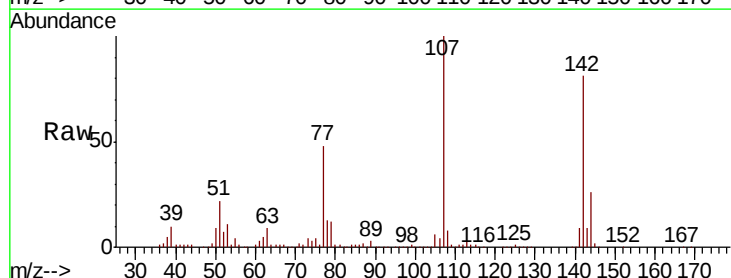
Manual Integrations
APPROVED

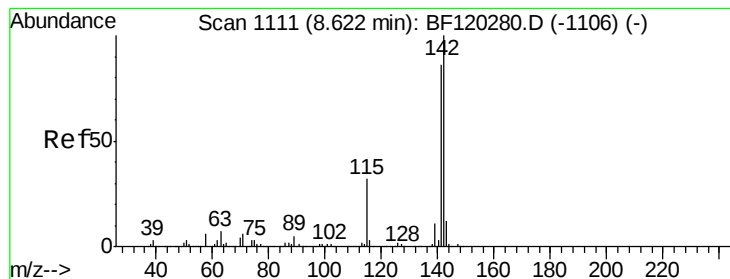
mohammad
5/18/2020 1:32:05 PM



#36
4-Chloro-3-methylphenol
Concen: 41.915 ng/ml
RT: 8.49 min Scan# 1089
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.7		21.4	32.2	
142	80.9		65.1	97.7	





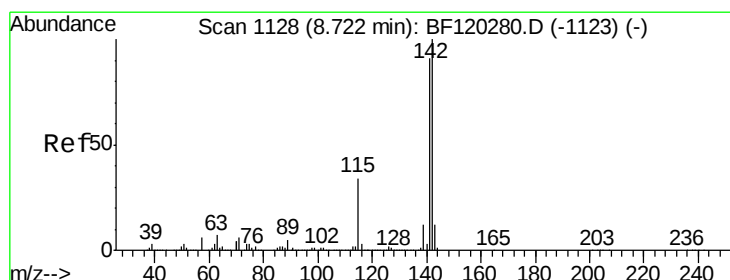
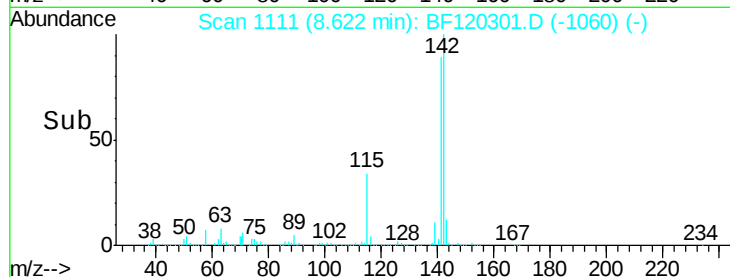
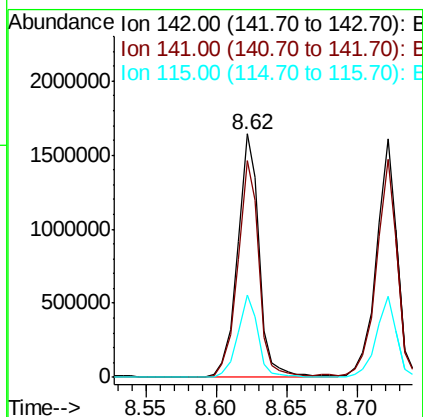
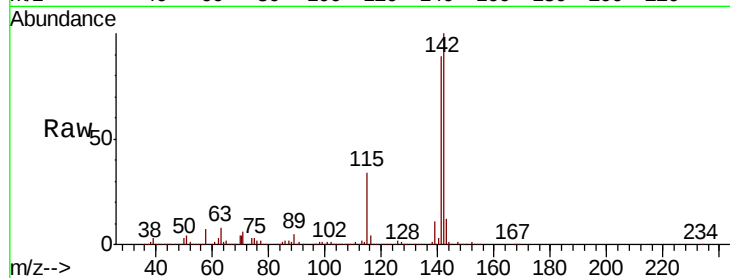
#37
2-Methylnaphthalene
Concen: 41.213 ng
RT: 8.62 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	68.8	103.2
115	33.6	25.7	38.5

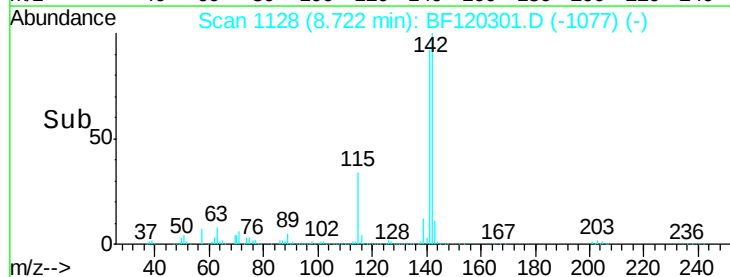
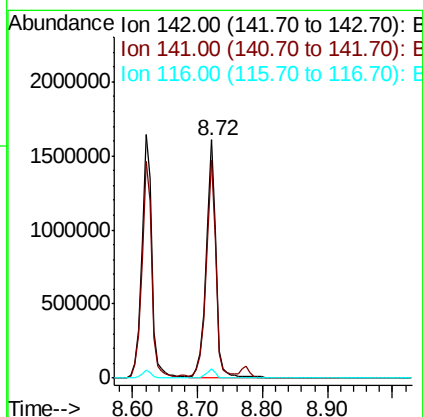
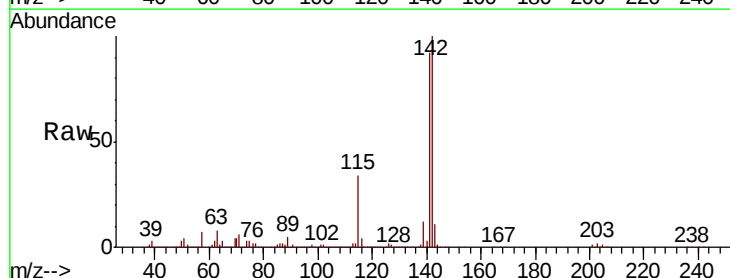
Manual Integrations
APPROVED

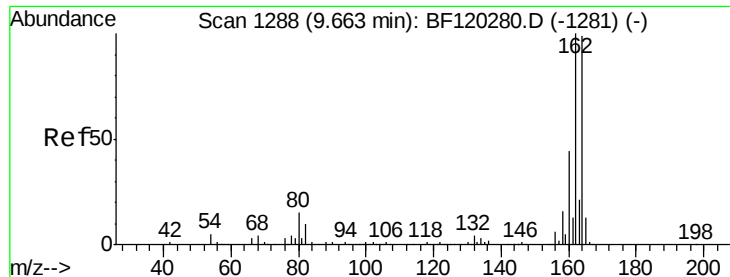
mohammad
5/18/2020 1:32:05 PM



#38
1-Methylnaphthalene
Concen: 40.914 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.0	109.6
116	3.7	2.7	4.1





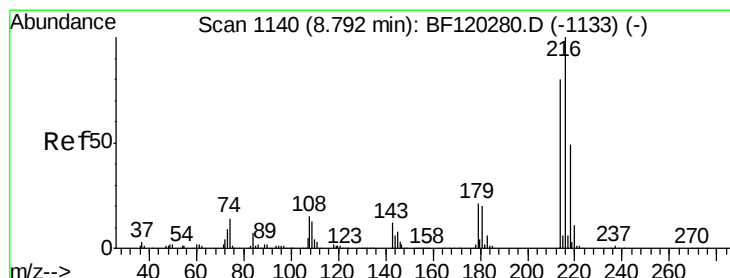
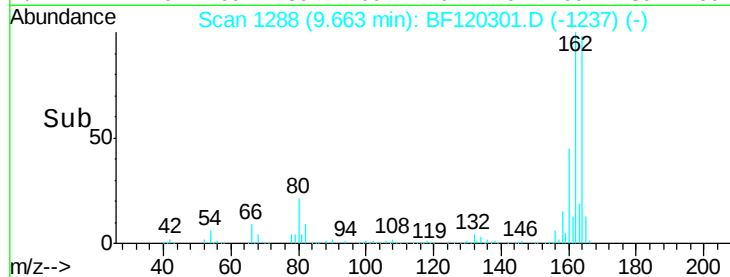
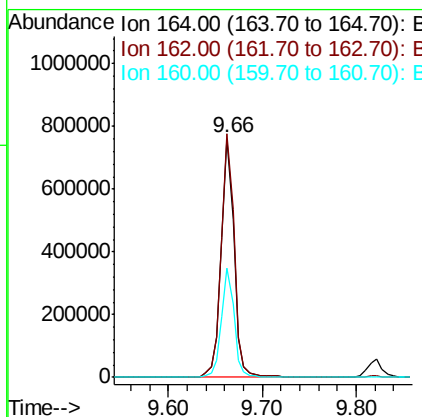
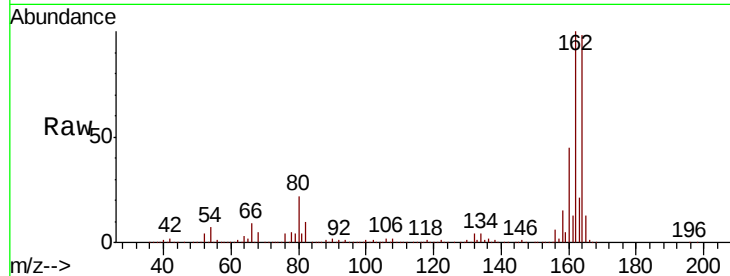
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	81.2	121.8	
160	45.5	35.8	53.6	

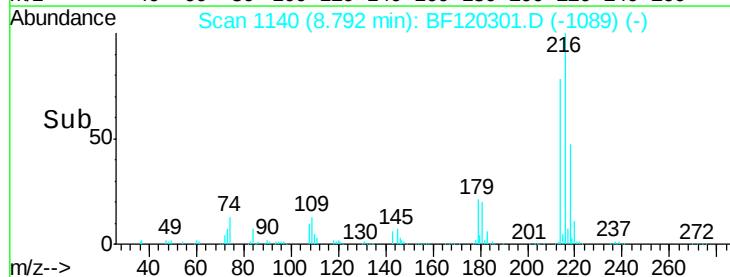
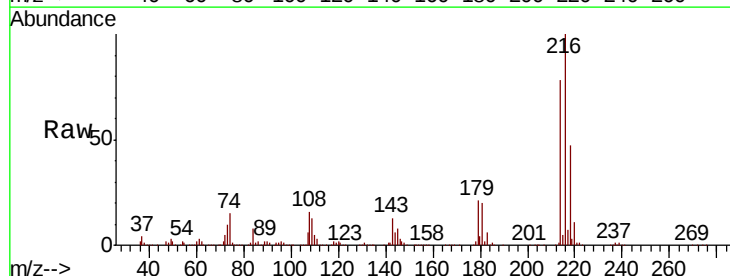
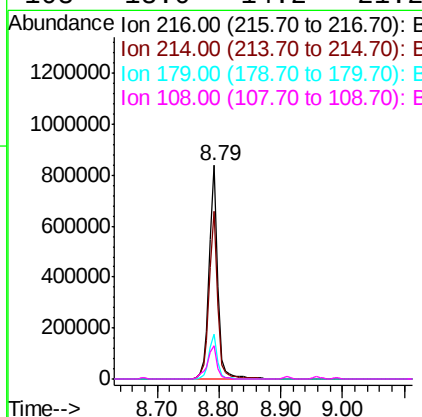
Manual Integrations
APPROVED

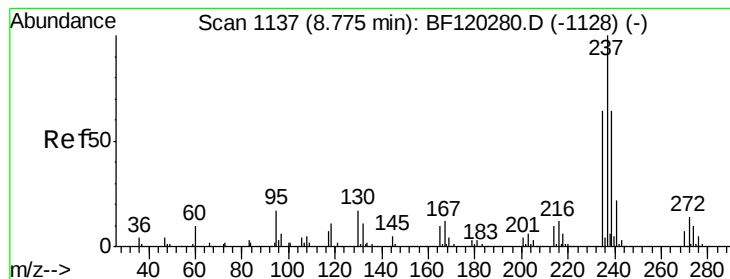
mohammad
5/18/2020 1:32:05 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.438 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.8	64.0	96.0	
179	21.2	16.9	25.3	
108	18.0	14.2	21.2	





#41

Hexachlorocyclopentadiene

Concen: 71.063 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

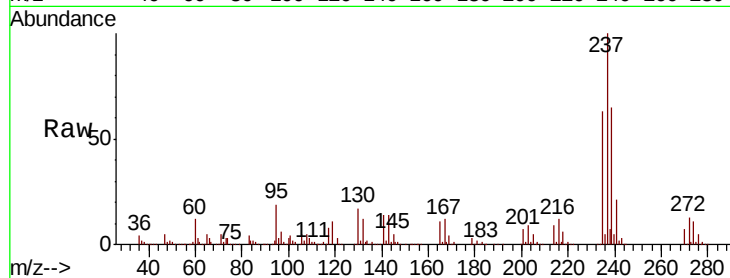
ClientSampleId :

239997MSD

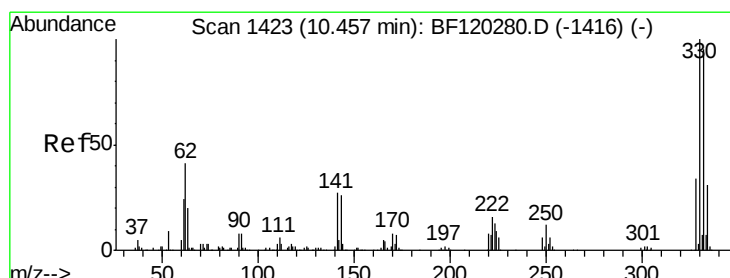
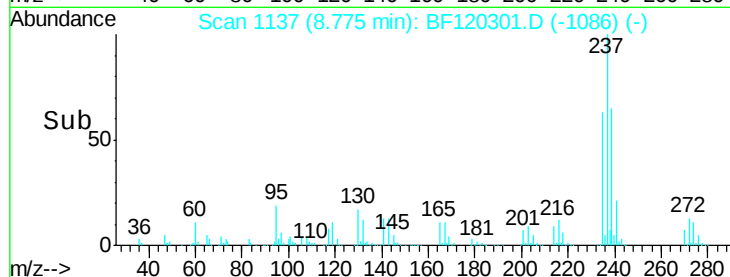
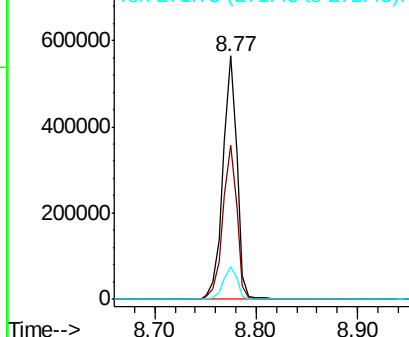
Tot Ion:	237	Resp:	540413
Ion Ratio	Lower	Upper	
237	100		
235	63.2	43.8	83.8
272	13.4	0.0	33.9

Manual Integrations
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5/18/2020 1:32:05 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: 100.754 ng

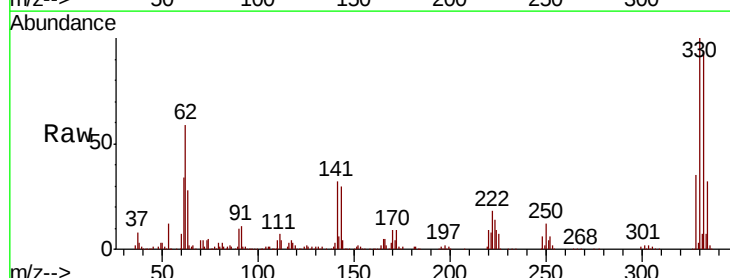
RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

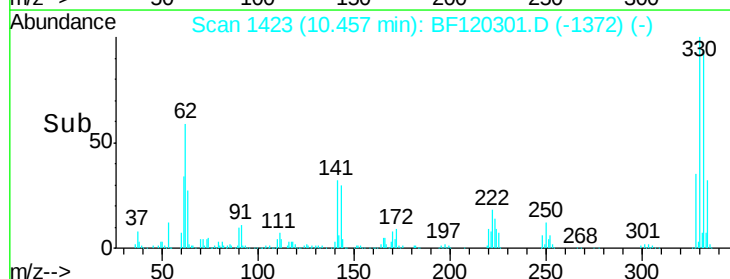
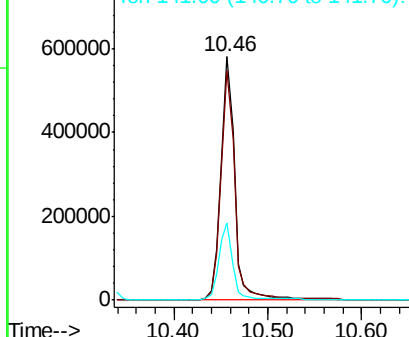
Lab File: BF120301.D

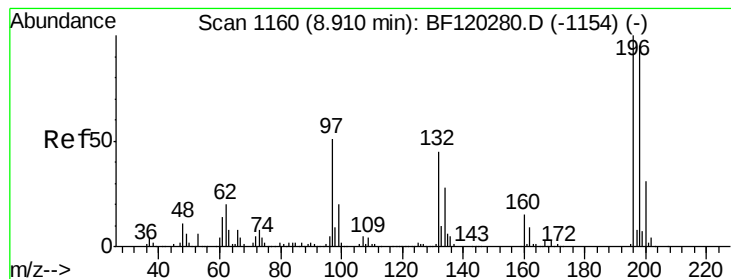
Acq: 14 May 2020 20:05

Tgt Ion:	330	Resp:	607515
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.5	114.7
141	31.6	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





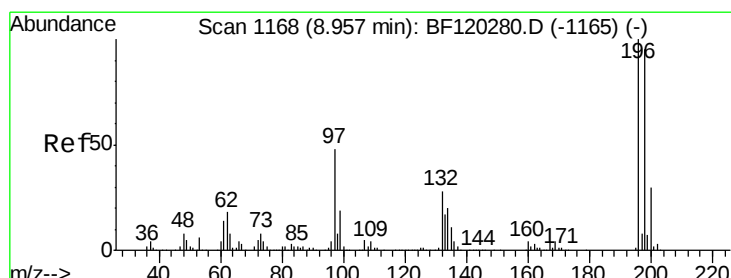
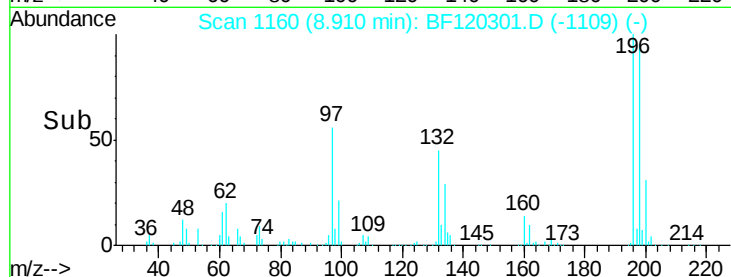
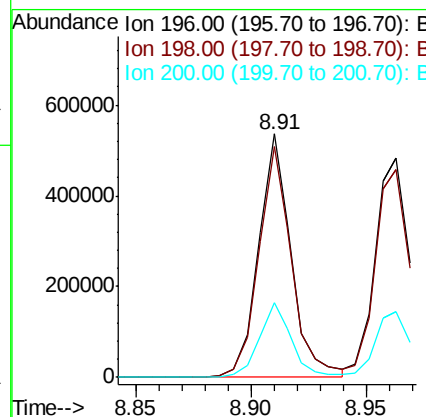
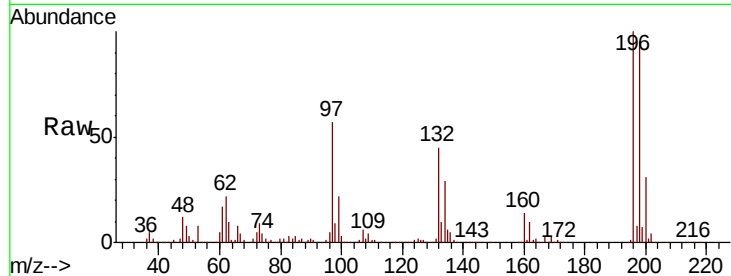
#43
 2,4,6-Trichlorophenol
 Concen: 42.043 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	526247		
198	94.9	76.2	114.4	
200	30.8	24.9	37.3	

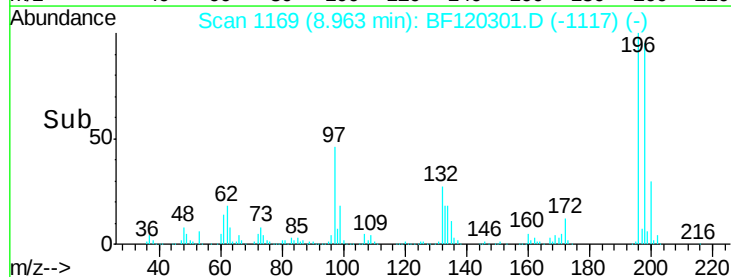
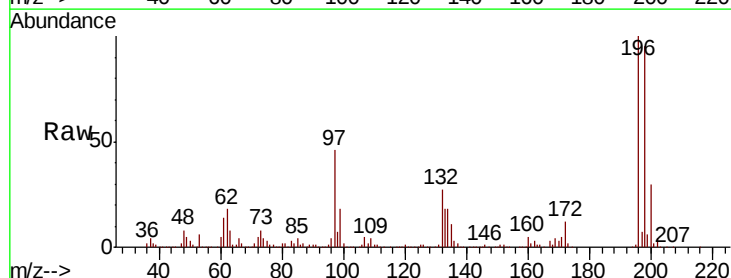
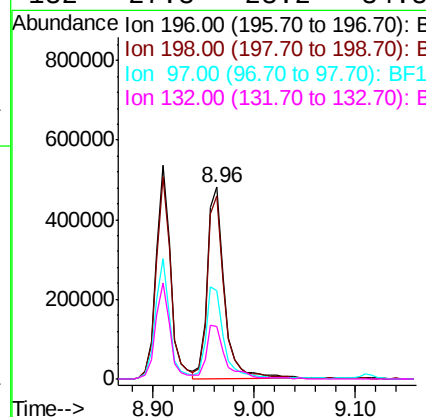
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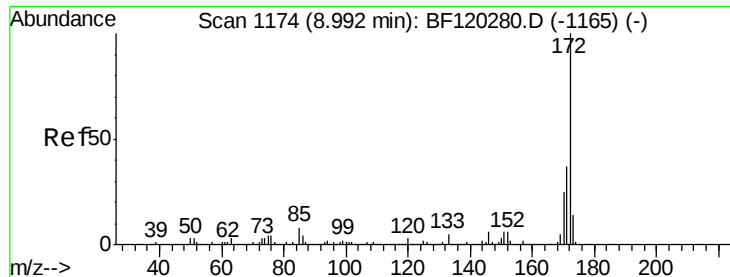
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 39.210 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	563629		
198	95.2	76.2	114.4	
97	46.0	38.6	57.8	
132	27.3	23.2	34.8	





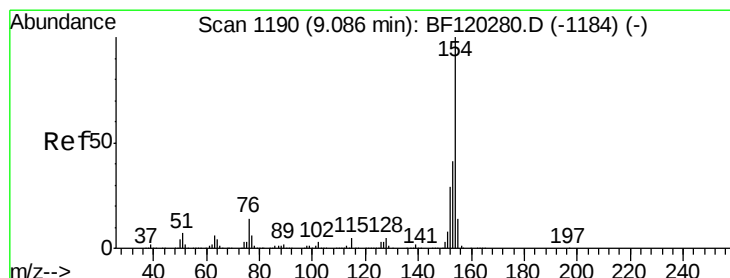
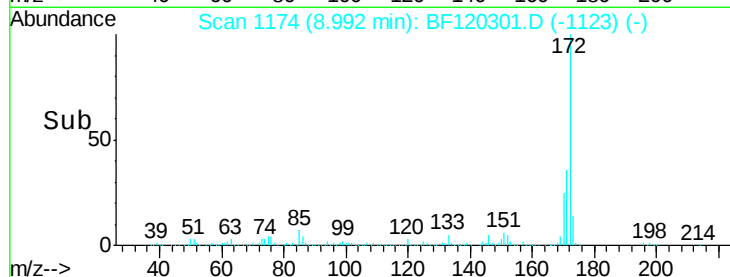
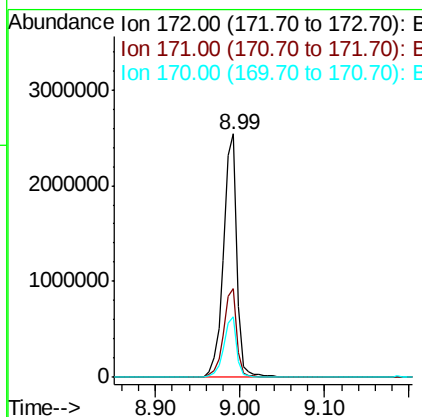
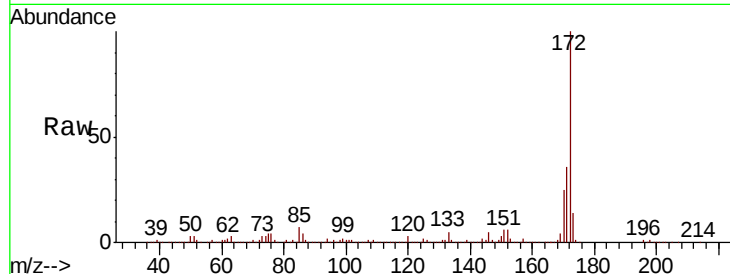
#45
2-Fluorobiphenyl
Concen: 77.878 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.7	19.9	29.9

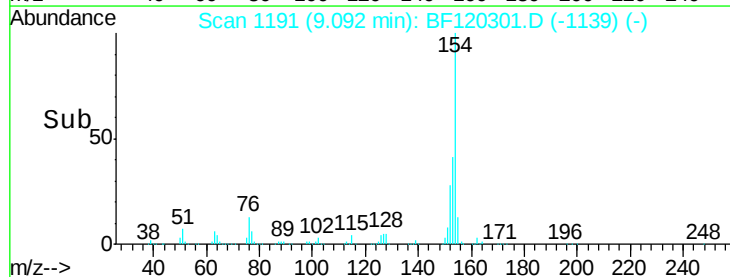
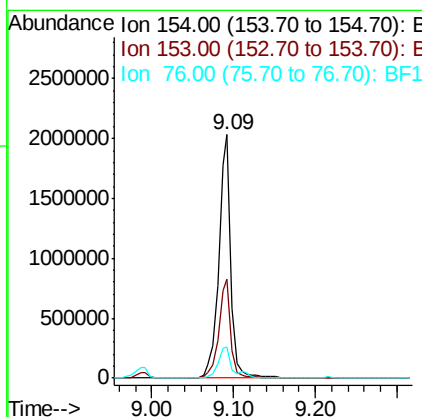
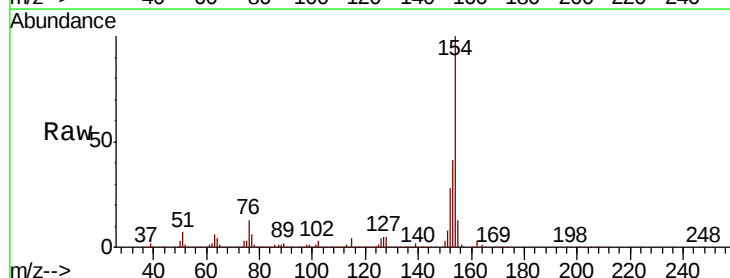
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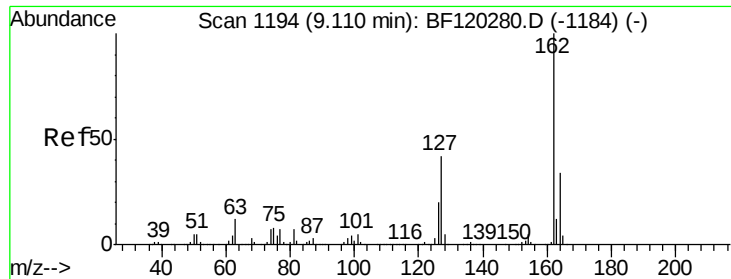
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#46
1,1'-Biphenyl
Concen: 43.365 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	12.9	0.0	34.3





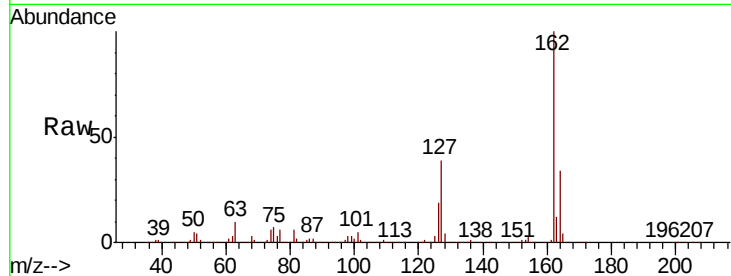
#47
 2-Chloronaphthalene
 Concen: 40.944 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

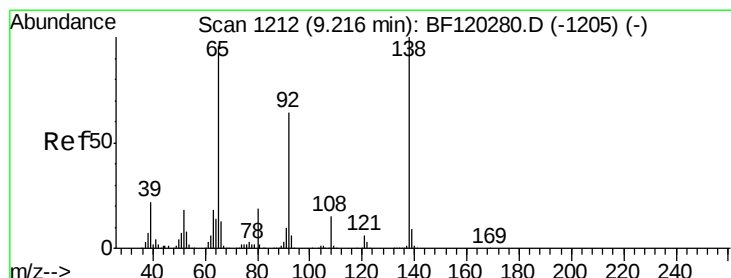
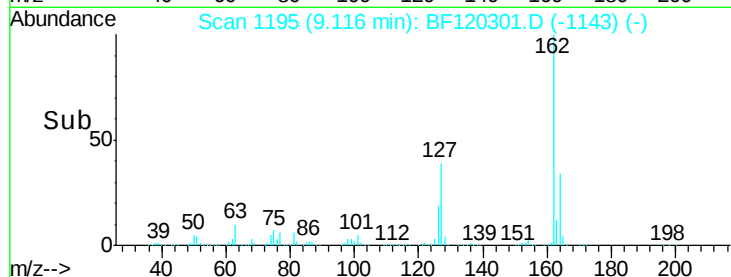
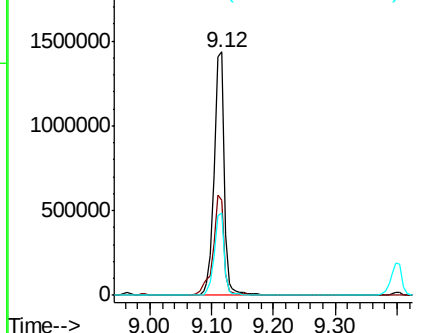
Tot Ion:	162	Resp:	1591386
Ion	Ratio	Lower	Upper
162	100		
127	38.9	33.4	50.0
164	33.8	27.0	40.6

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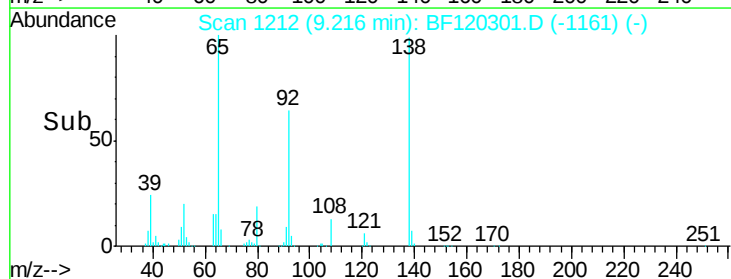
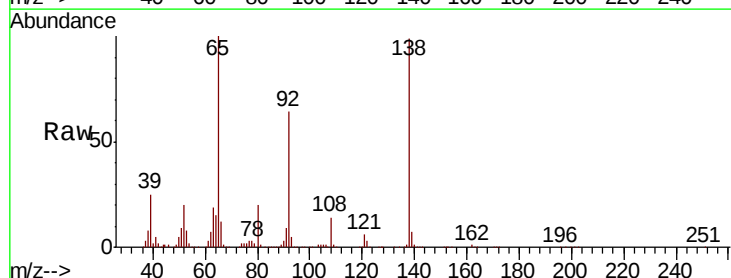
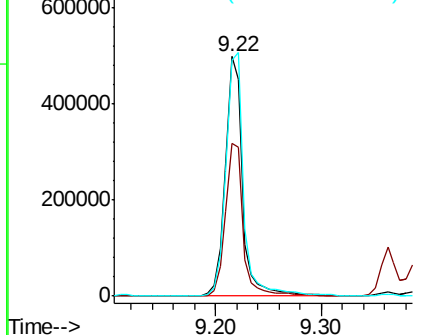
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

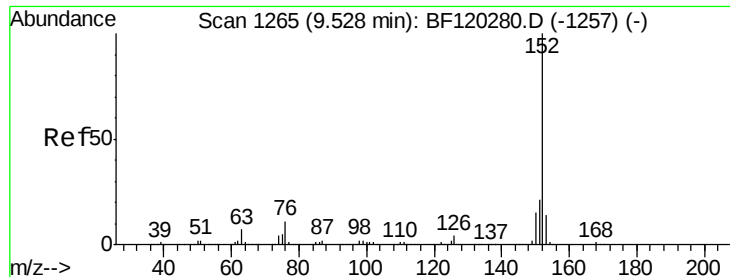


#48
 2-Nitroaniline
 Concen: 39.969 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion:	65	Resp:	566810
Ion	Ratio	Lower	Upper
65	100		
92	63.6	52.9	79.3
138	98.7	83.0	124.4

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: 41.276 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion:152 Resp: 2450613

Ion Ratio Lower Upper

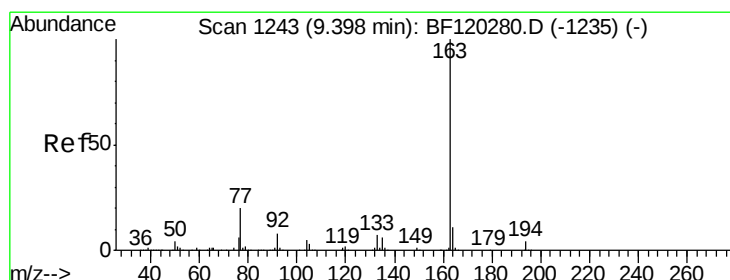
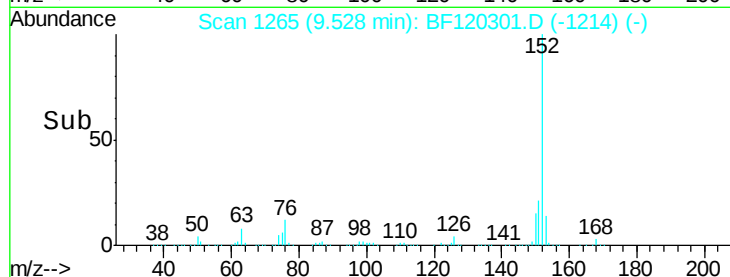
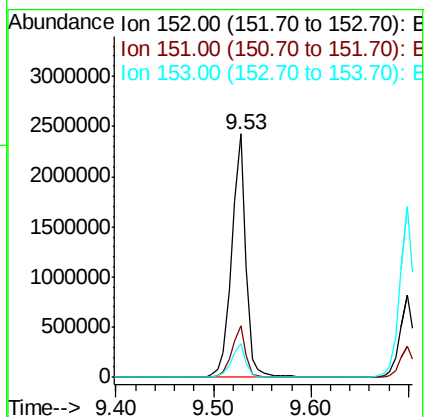
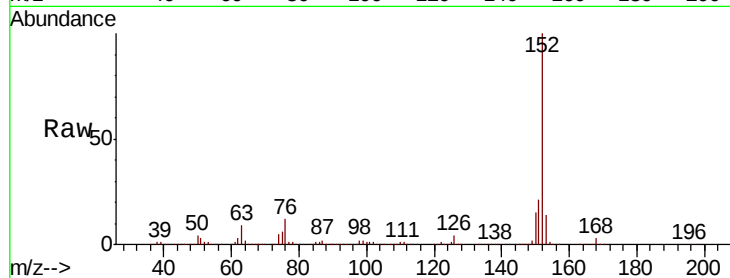
152 100

151 21.1 16.6 25.0

153 14.1 11.1 16.7

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#50

Dimethylphthalate

Concen: 49.872 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

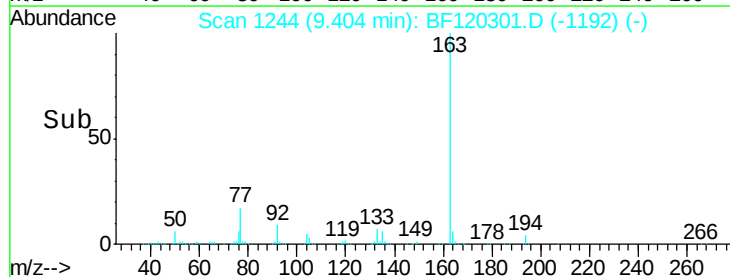
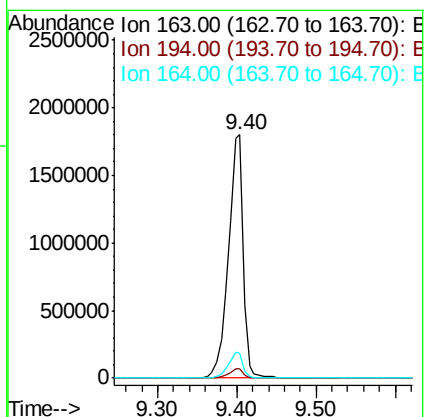
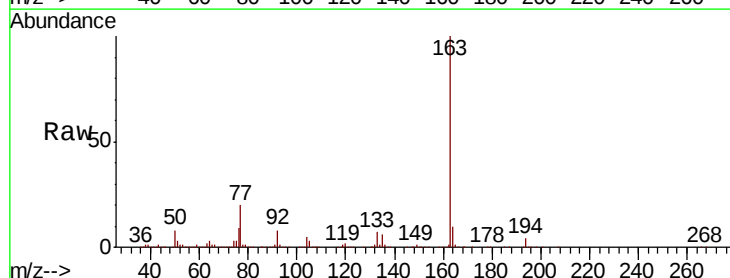
Tgt Ion:163 Resp: 2331453

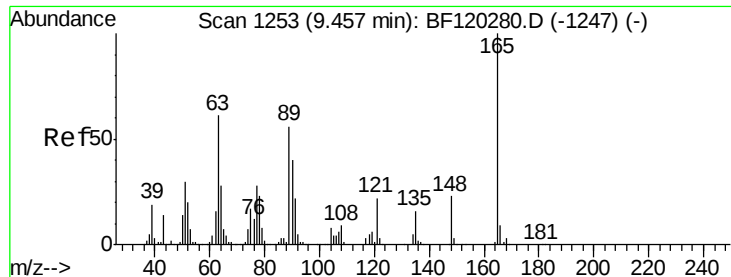
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.6 12.8





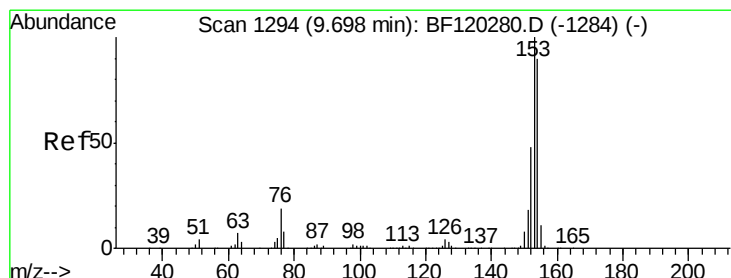
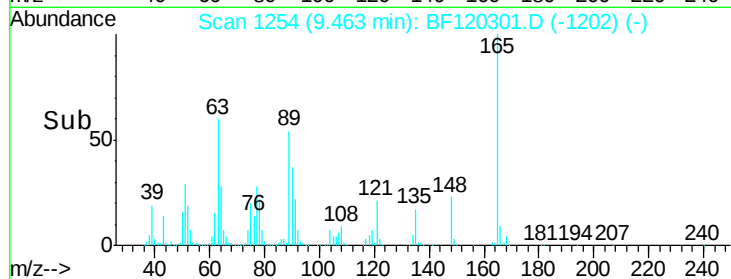
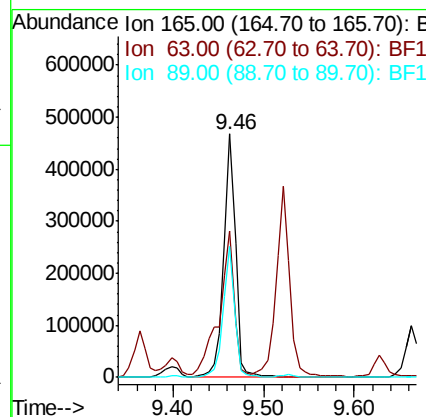
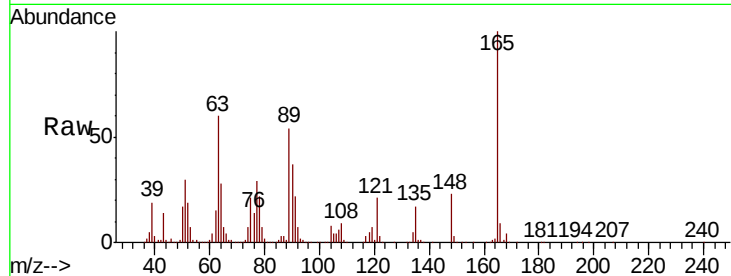
#51
2,6-Dinitrotoluene
Concen: 40.296 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	60.2	50.2	75.2
89	53.8	44.6	66.8

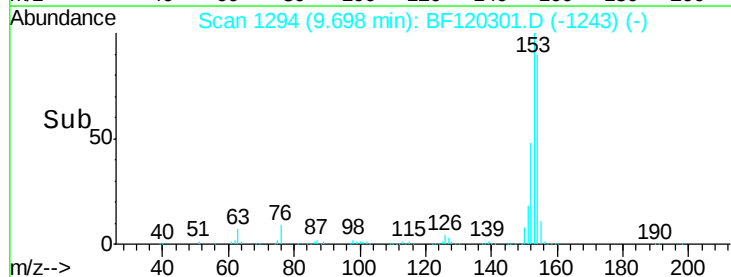
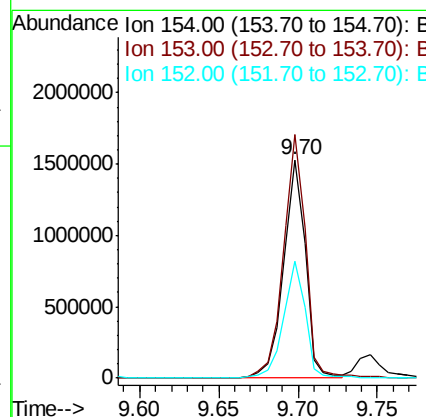
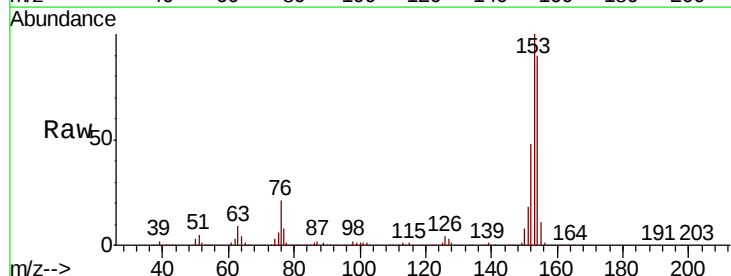
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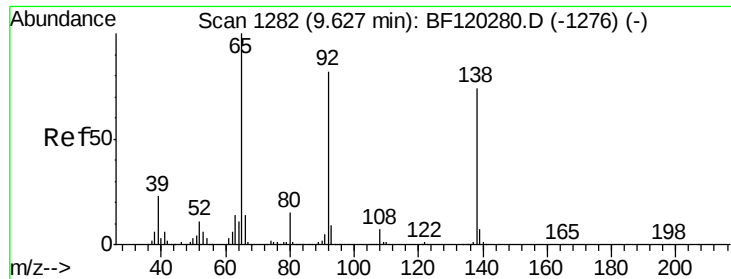
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#52
Acenaphthene
Concen: 41.094 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.0	133.4
152	53.7	42.6	64.0





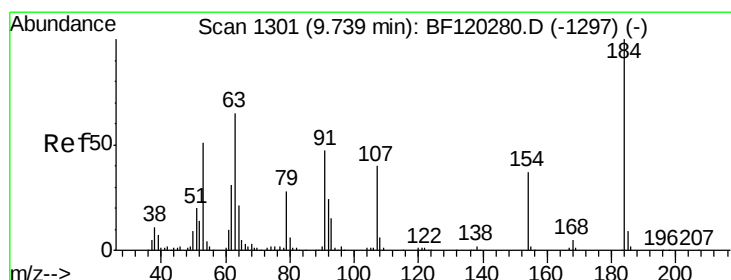
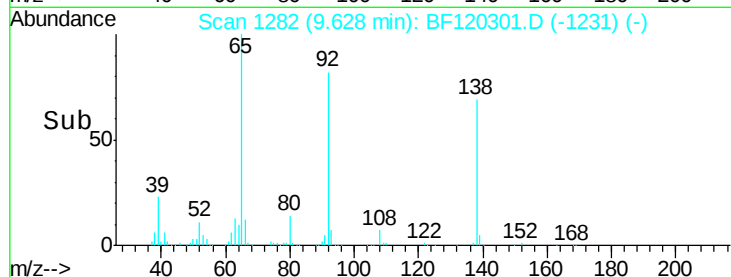
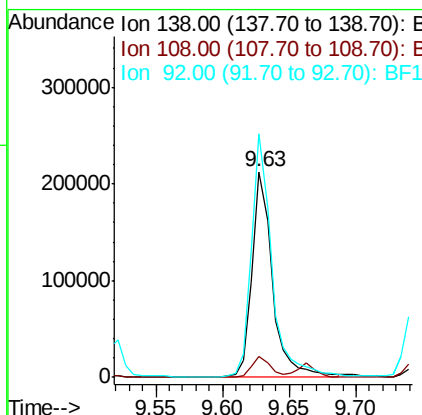
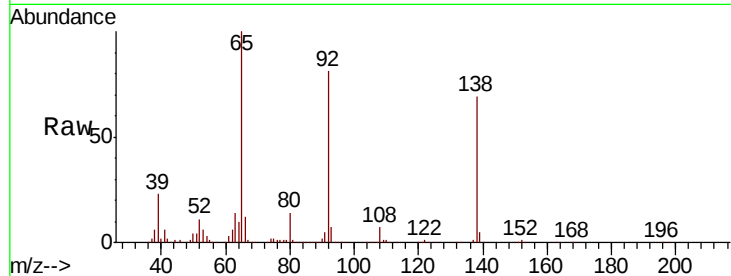
#53
3-Nitroaniline
Concen: 17.970 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.2	12.2
92	118.6	89.6	134.4

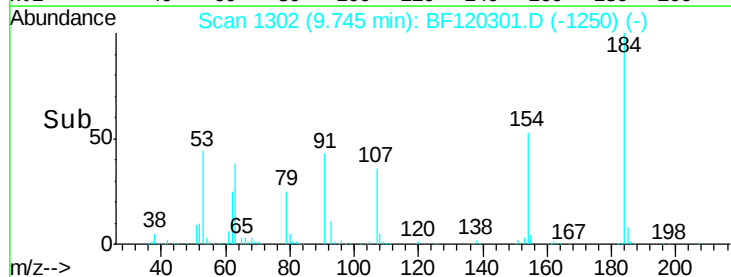
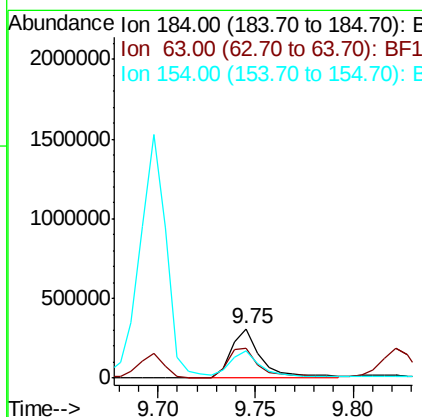
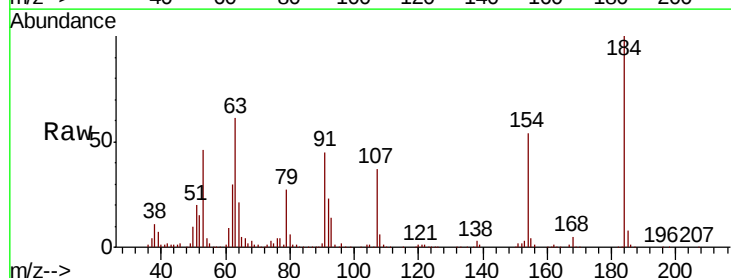
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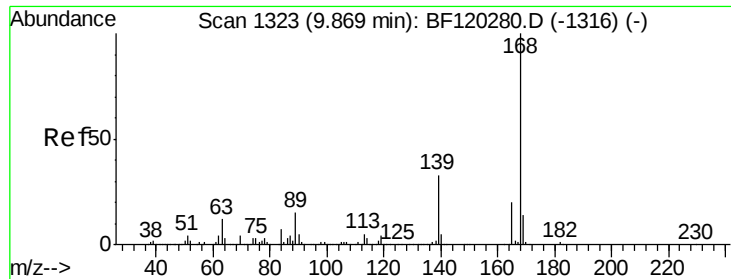
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#54
2,4-Dinitrophenol
Concen: 68.322 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.2	53.6	80.4
154	53.7	46.8	70.2





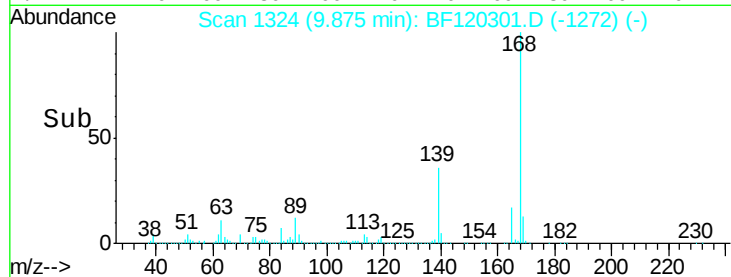
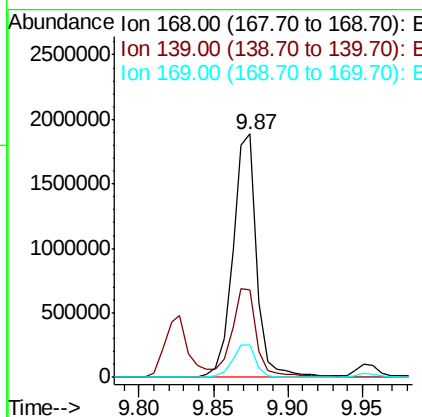
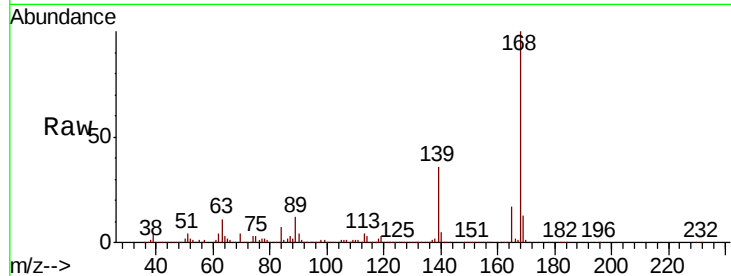
#55
Dibenzofuran
Concen: 41.234 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.6
169	13.4	11.0	16.6

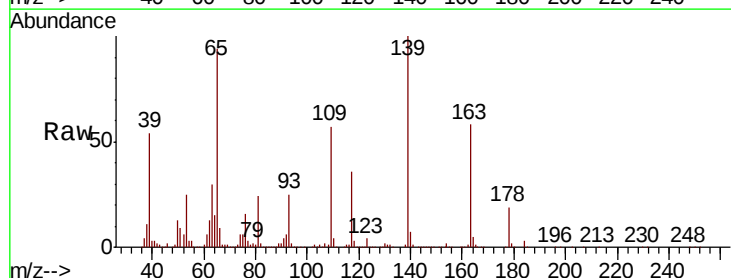
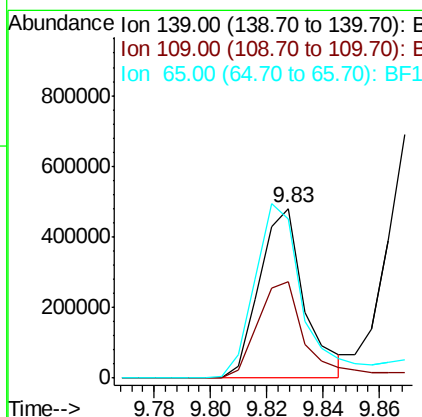
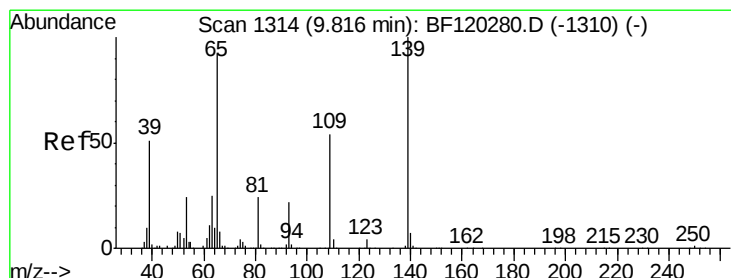
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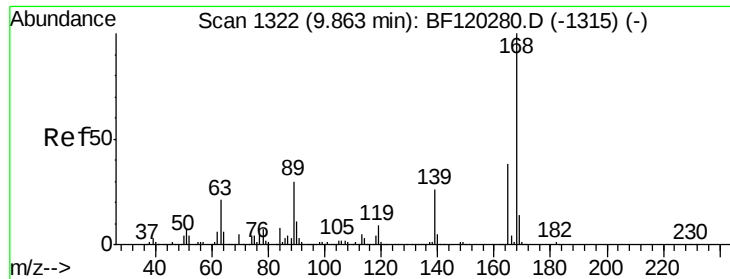
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#56
4-Nitrophenol
Concen: 79.660 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	56.8	34.6	74.6
65	93.8	73.3	113.3





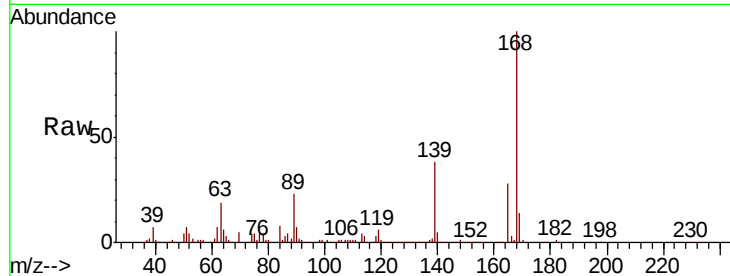
#57
 2,4-Dinitrotoluene
 Concen: 40.033 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

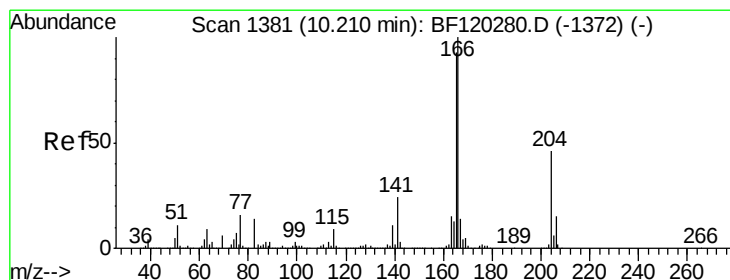
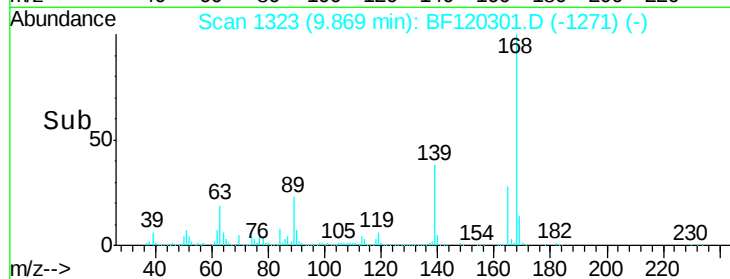
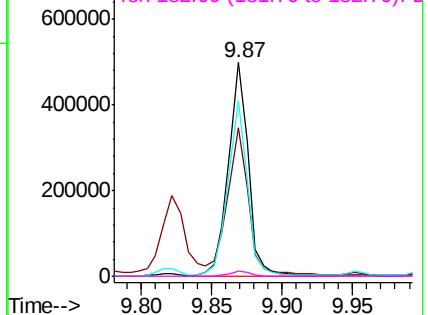
Tot Ion	Ratio	Resp	Lower	Upper
165	100	489973		
63	69.6		51.8	77.8
89	82.0		64.2	96.4
182	2.5		2.0	3.0

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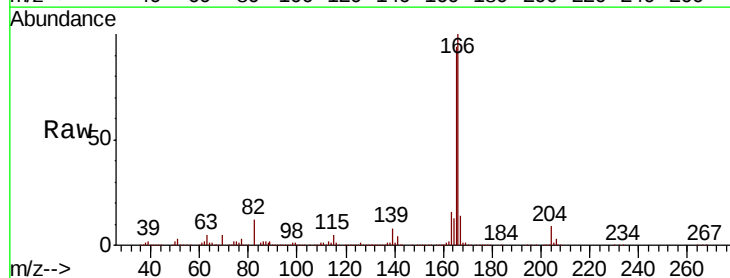


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

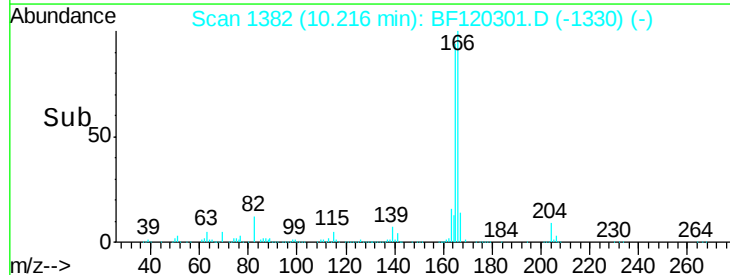
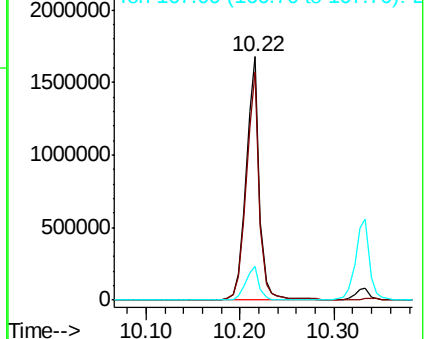


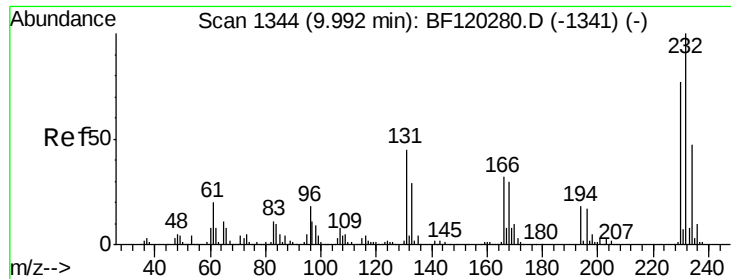
#58
 Fluorene
 Concen: 41.853 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1633506		
165	94.0		74.7	112.1
167	13.7		11.4	17.0



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





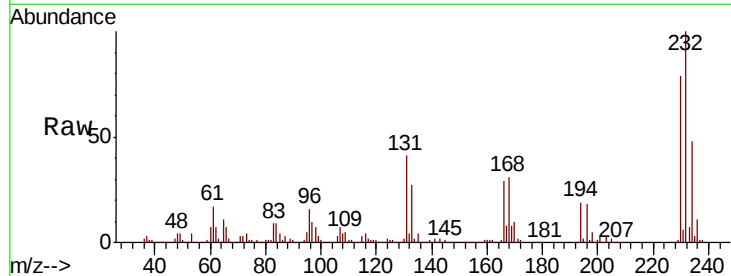
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.347 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

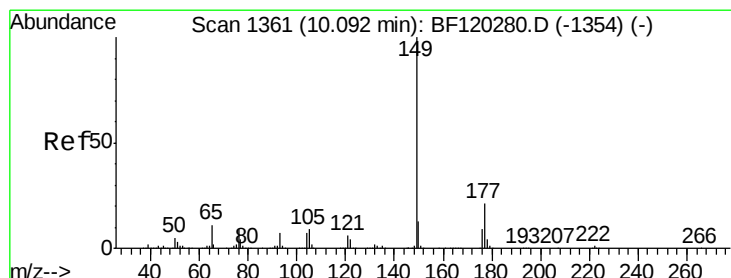
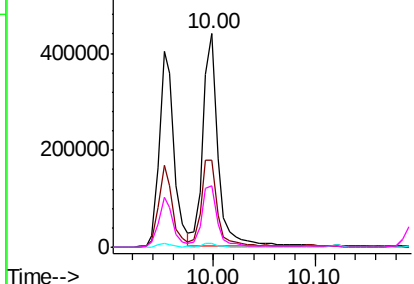
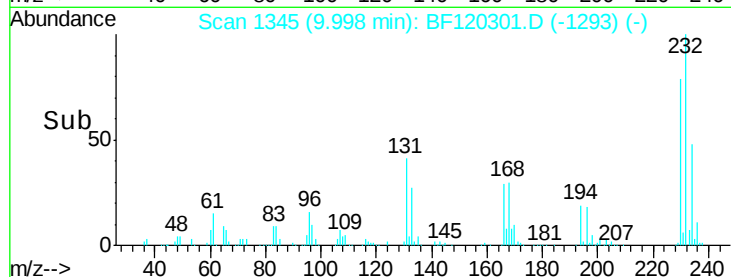
Tot Ion	Ratio	Lower	Upper
232	100		
131	43.6	34.1	51.1
130	2.2	1.7	2.5
166	29.7	23.3	34.9

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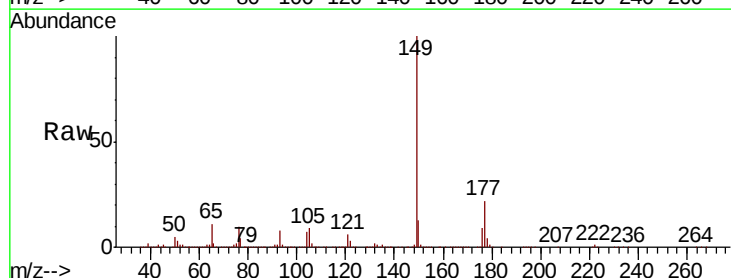


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

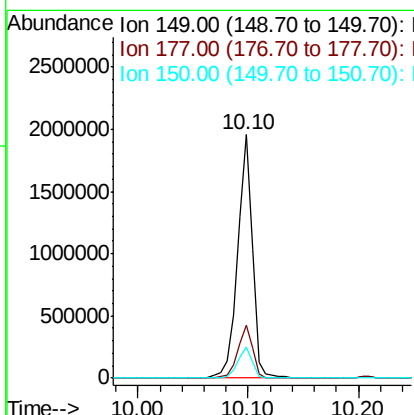
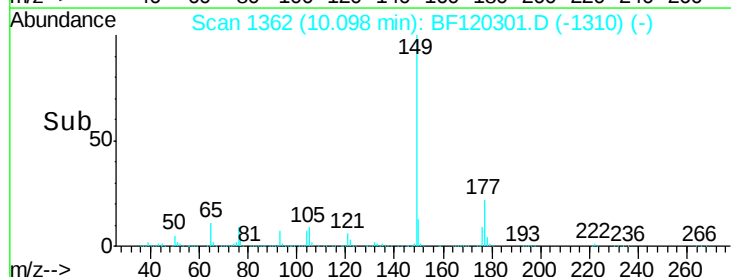


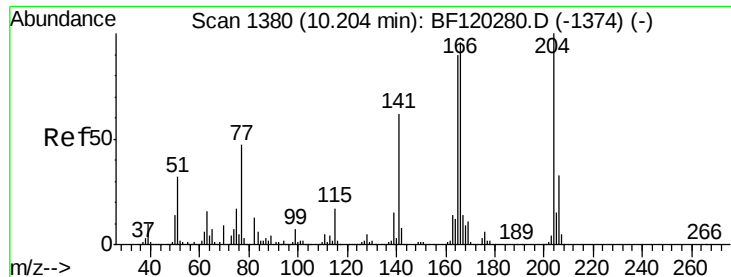
#60
 Diethylphthalate
 Concen: 41.025 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.1	25.7
150	13.0	10.3	15.5



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





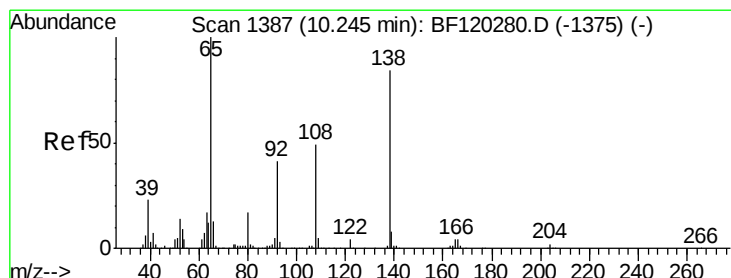
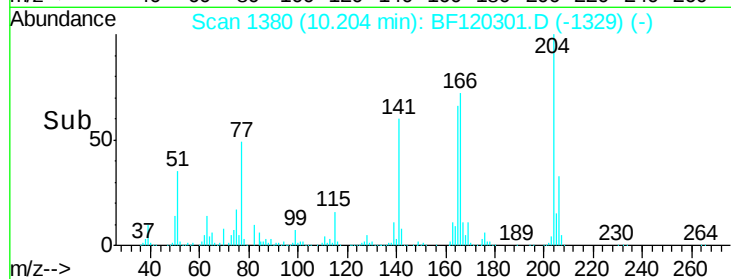
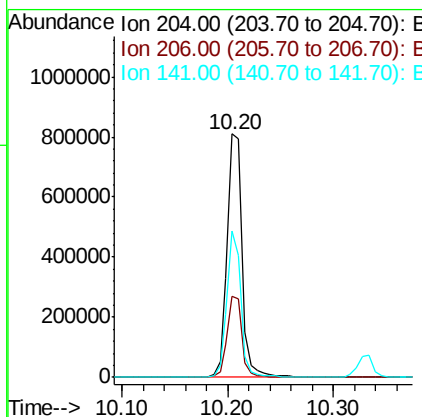
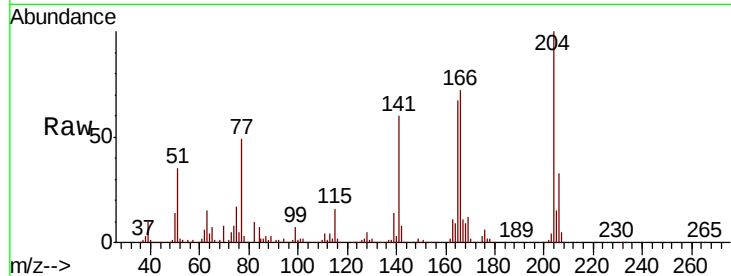
#61
 4-Chlorophenyl-phenylether
 Concen: 39.354 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampled :
 239997MSD

Tot Ion:	204	Resp:	798584
Ion Ratio	Lower	Upper	
204	100		
206	33.2	26.8	40.2
141	60.1	49.5	74.3

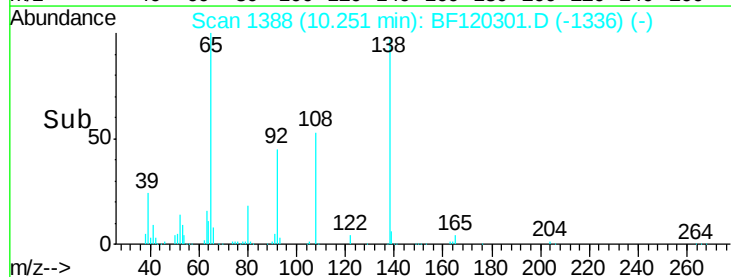
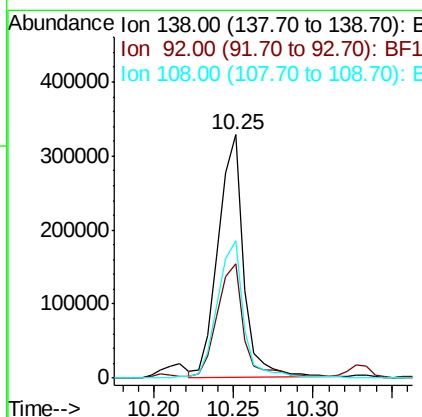
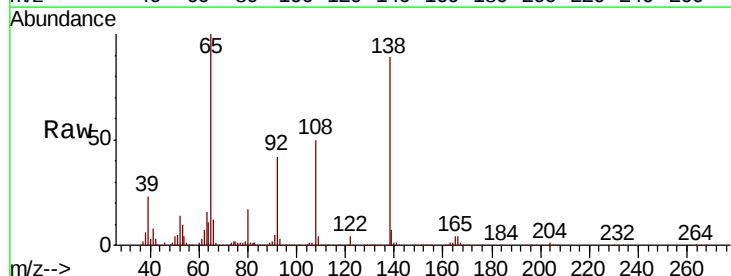
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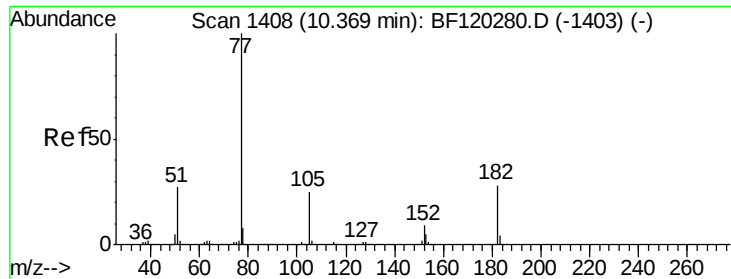
mohammad
 5/18/2020 1:32:05 PM



#62
 4-Nitroaniline
 Concen: 31.340 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion:	138	Resp:	363106
Ion Ratio	Lower	Upper	
138	100		
92	47.0	28.9	68.9
108	56.5	38.4	78.4





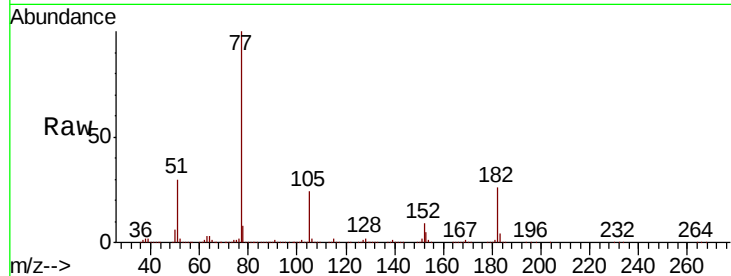
#63
Azobenzene
Concen: 41.945 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.0	7.4	47.4	
105	23.9	4.4	44.4	
51	30.2	8.3	48.3	

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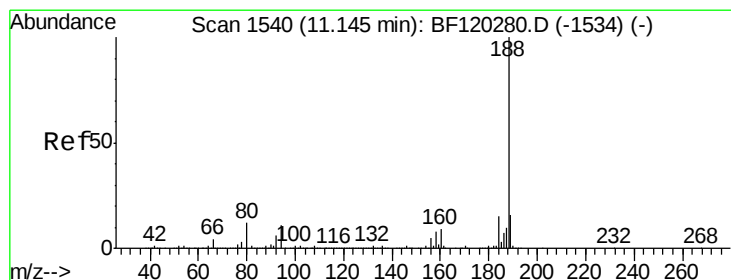
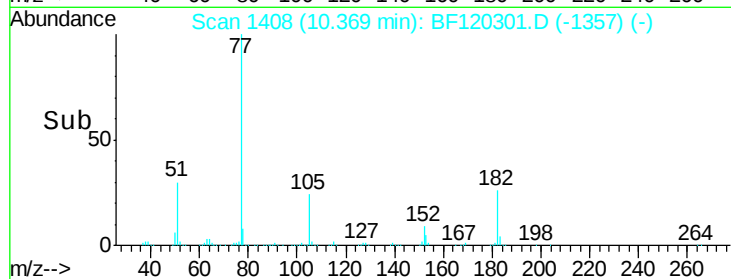
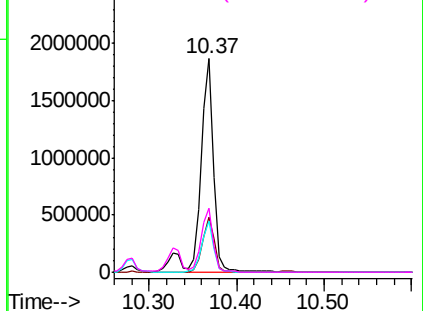


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



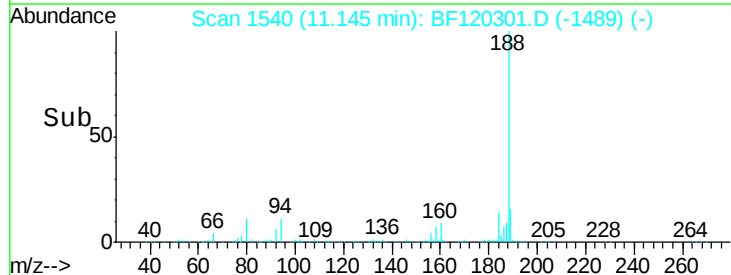
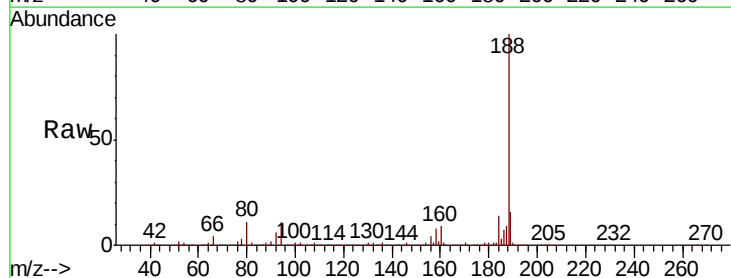
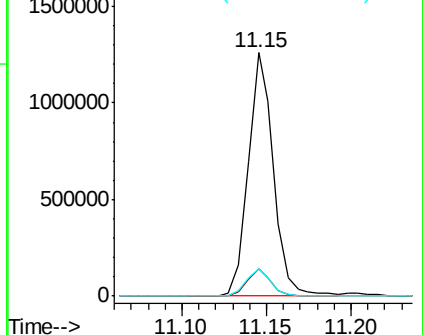
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

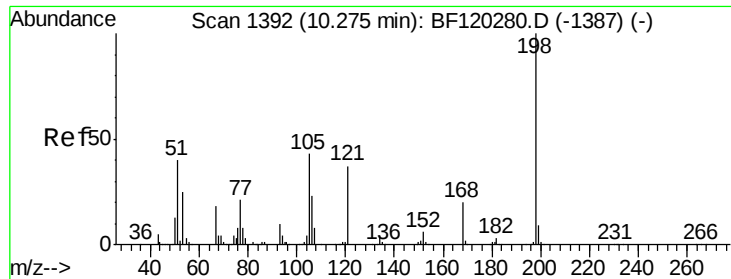
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.3	8.6	13.0	
80	11.3	9.2	13.8	

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





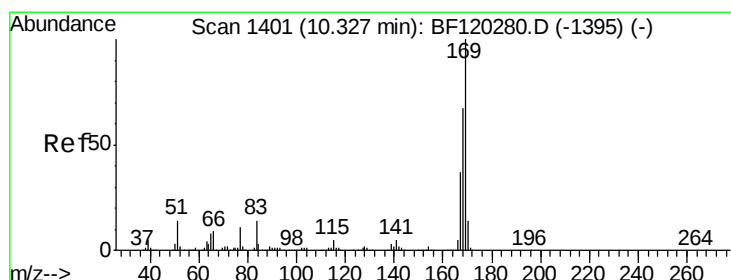
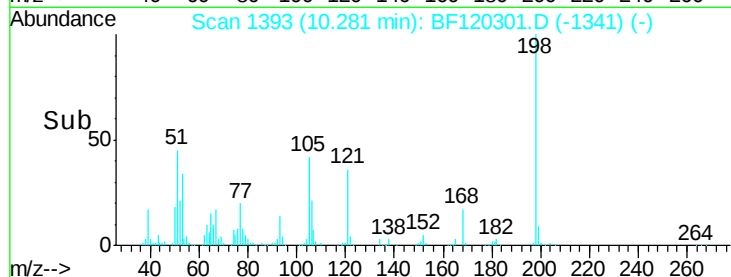
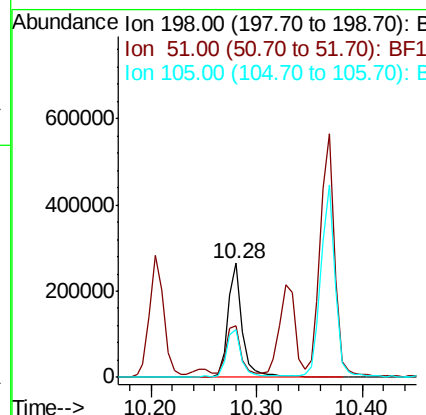
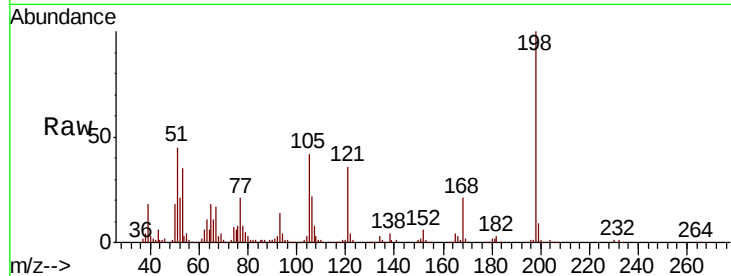
#65
4,6-Dinitro-2-methylphenol
Concen: 38.543 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	255948		
51	45.4	27.1	67.1	
105	41.8	24.3	64.3	

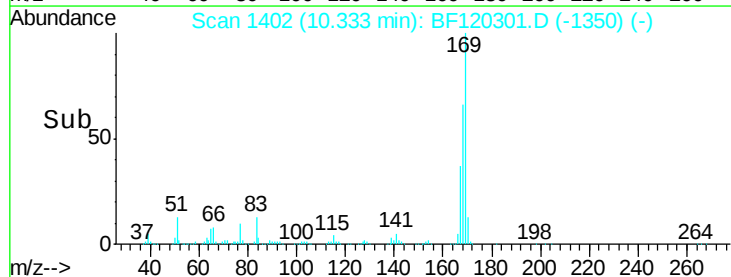
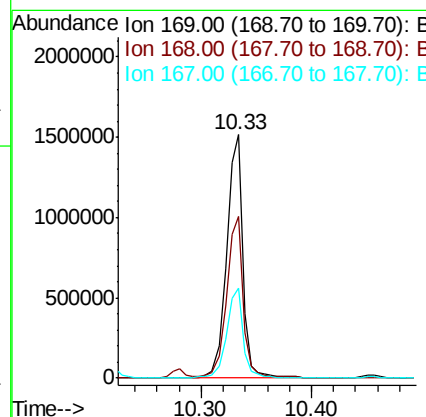
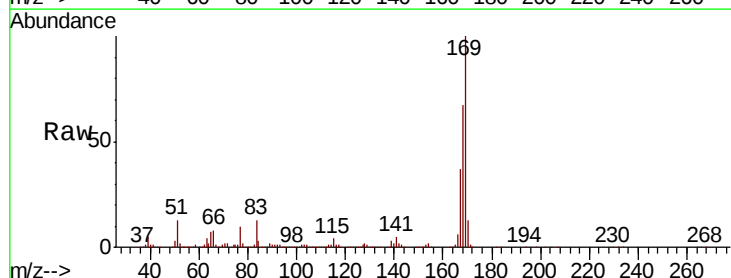
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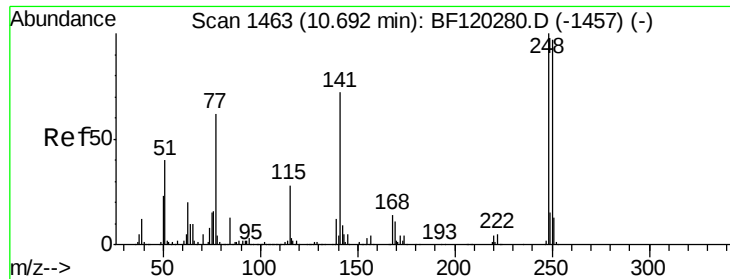
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 42.617 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1548170		
168	66.6	53.7	80.5	
167	36.8	29.8	44.6	





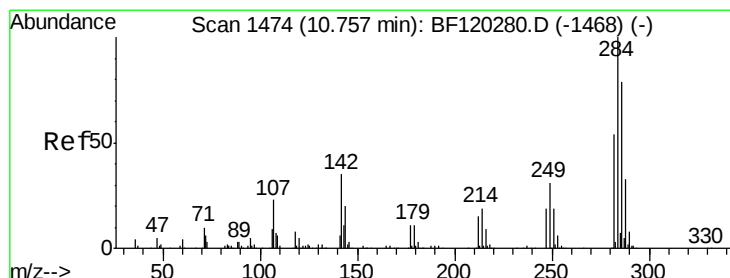
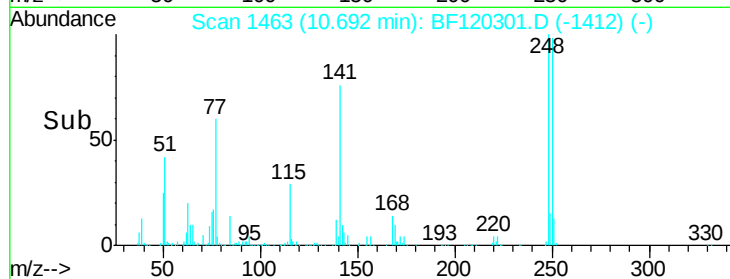
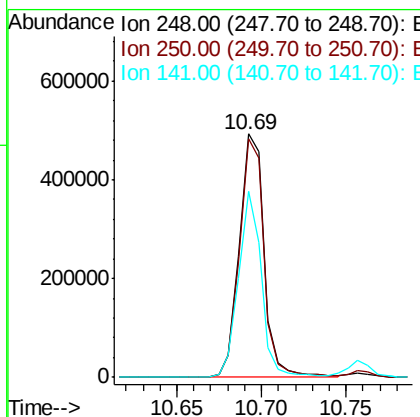
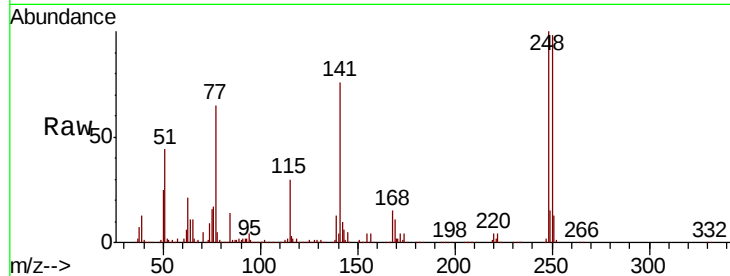
#67
4-Bromophenyl-phenylether
Concen: 39.703 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.8	116.6
141	76.4	57.7	86.5

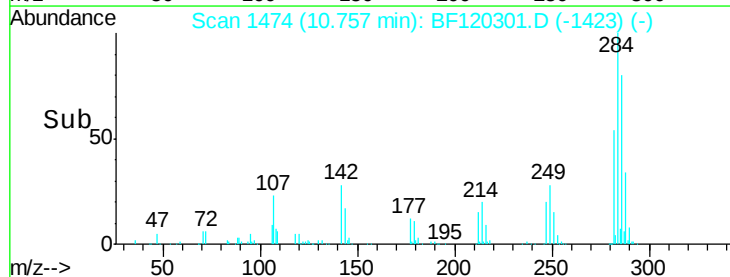
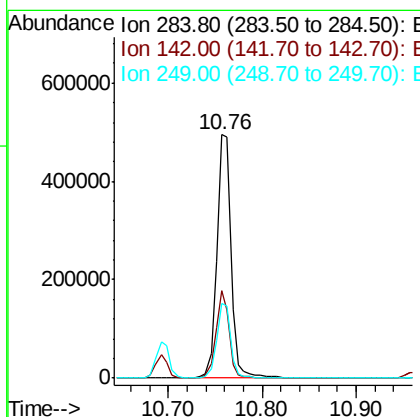
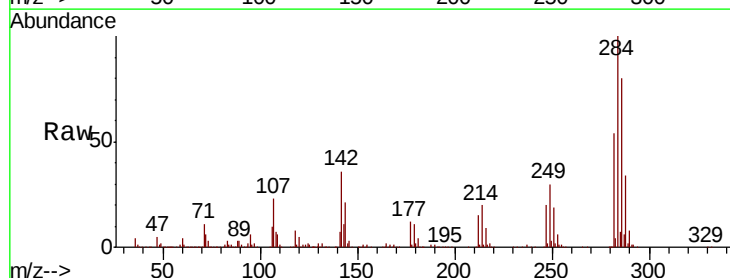
Manual Integrations
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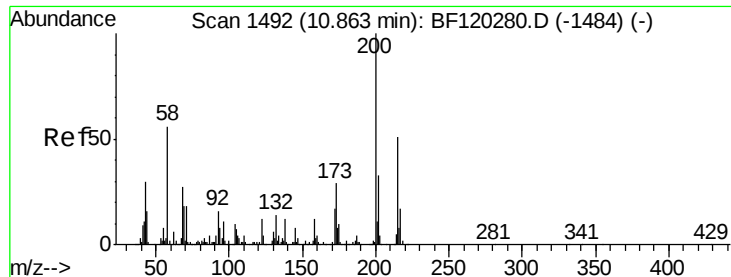
mohammad
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#68
Hexachlorobenzene
Concen: 39.802 ng
RT: 10.76 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.7	28.5	42.7
249	30.5	24.8	37.2





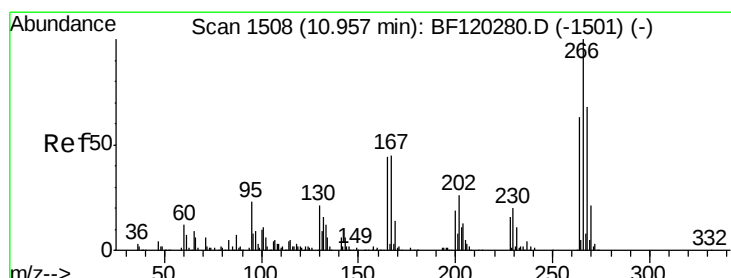
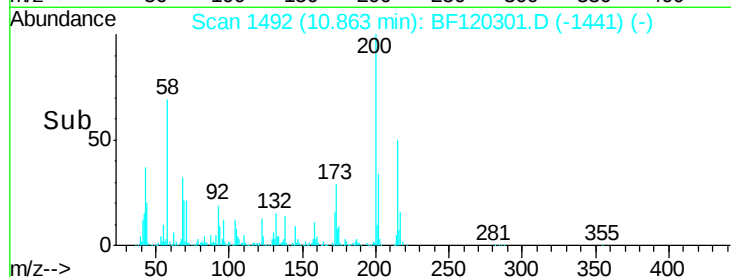
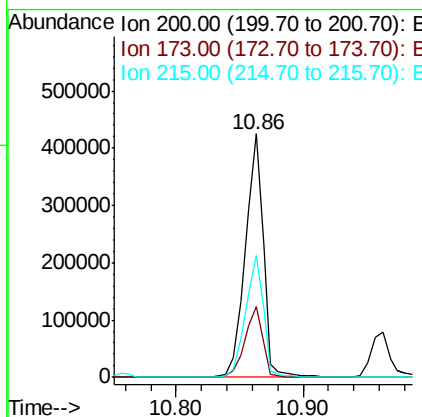
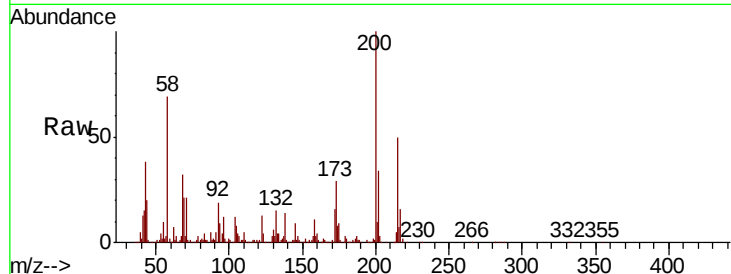
#69
Atrazine
Concen: 38.363 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampled :
239997MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.2	8.7	48.7
215	49.9	30.6	70.6

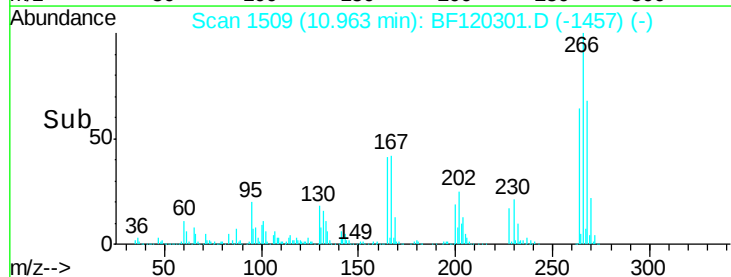
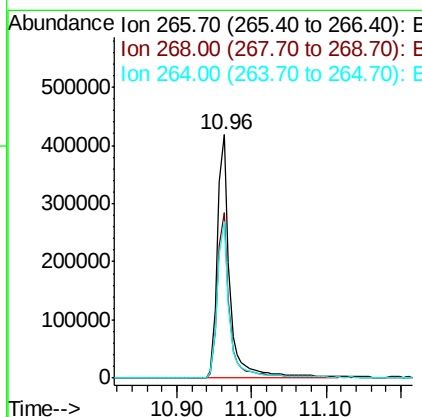
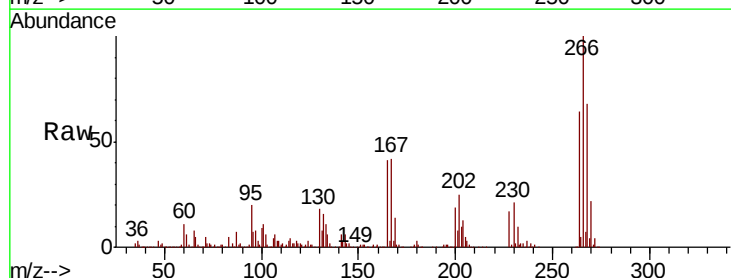
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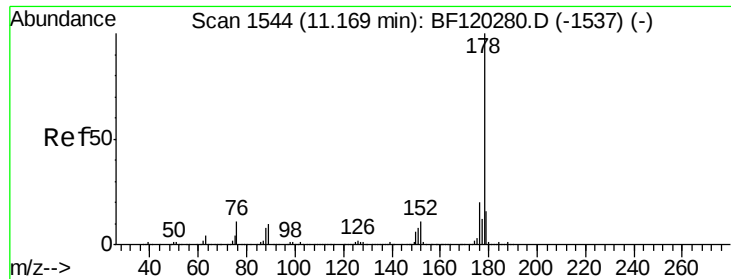
mohammad
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#70
Pentachlorophenol
Concen: 86.123 ng
RT: 10.96 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.1	54.2	81.4
264	64.1	50.2	75.4





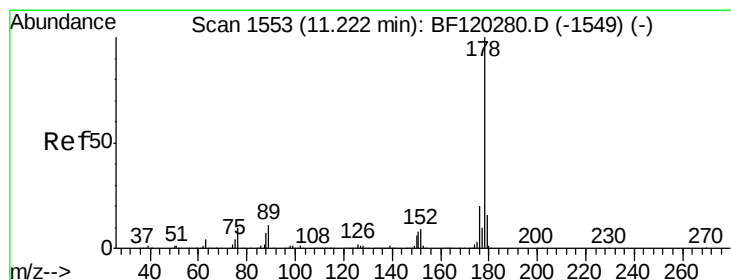
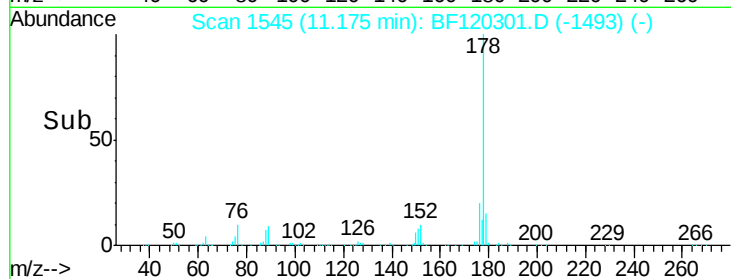
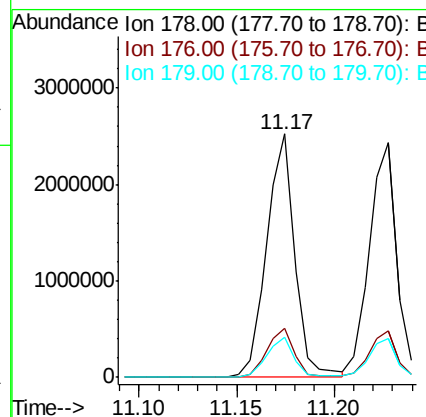
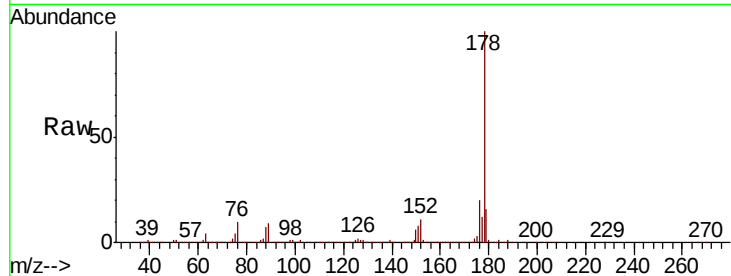
#71
Phenanthrene
Concen: 45.703 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion:178 Resp: 2521662
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.2 12.8 19.2

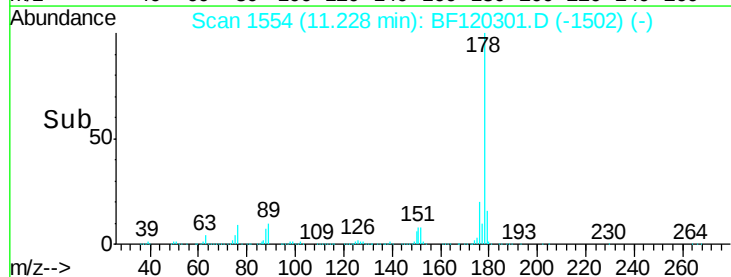
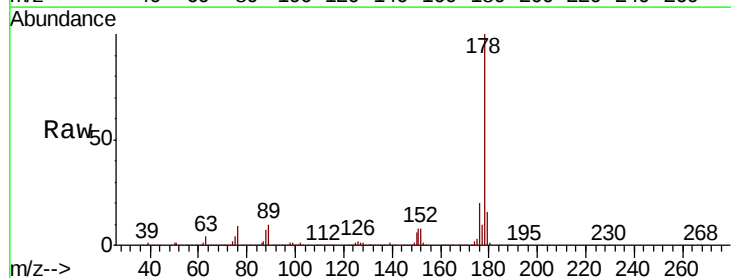
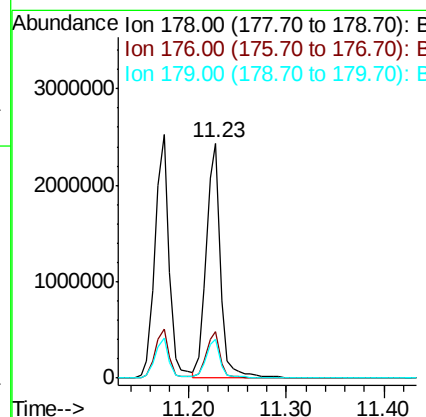
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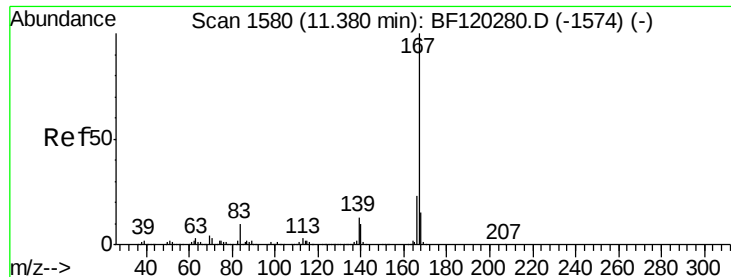
mohammad
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#72
Anthracene
Concen: 41.878 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion:178 Resp: 2473607
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 16.3 13.0 19.6





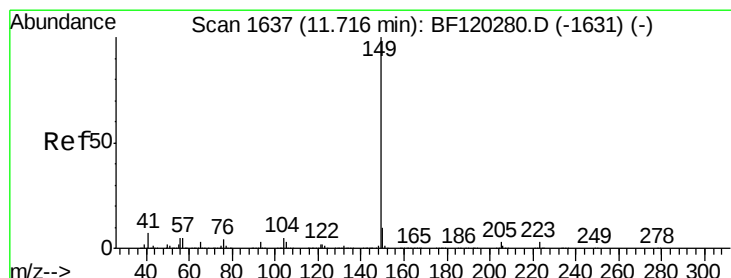
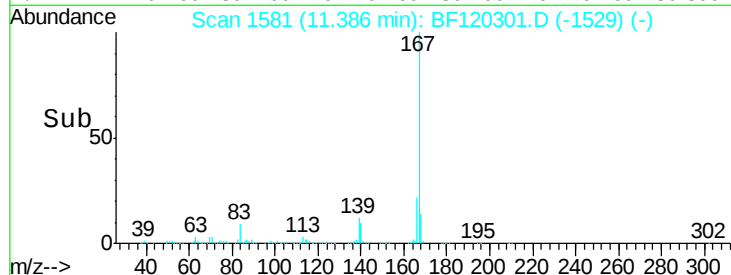
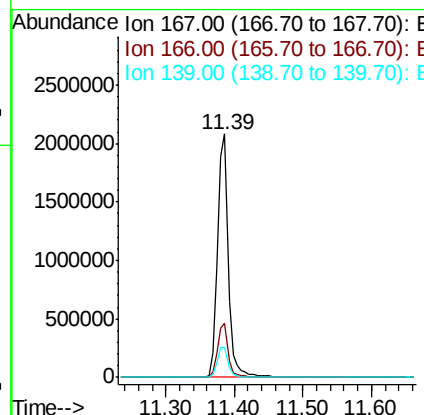
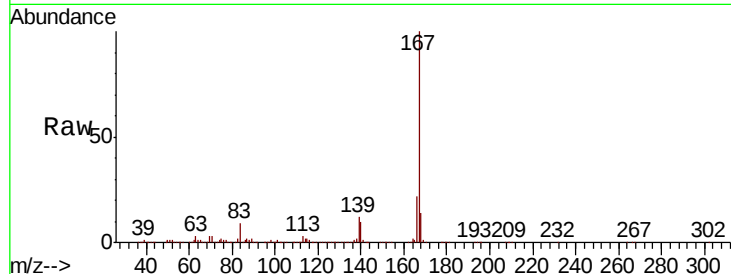
#73
 Carbazole
 Concen: 40.437 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	12.5	10.6	15.8

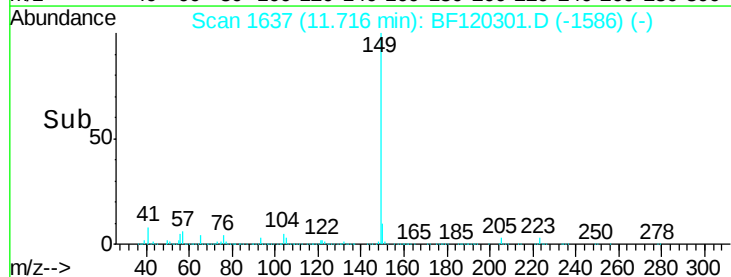
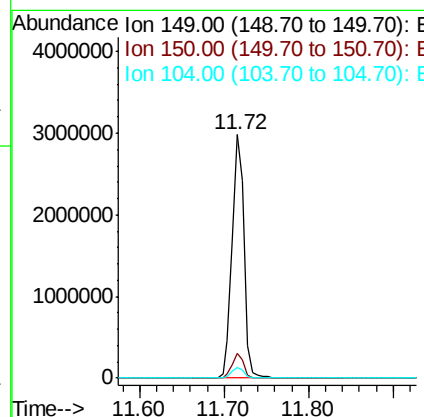
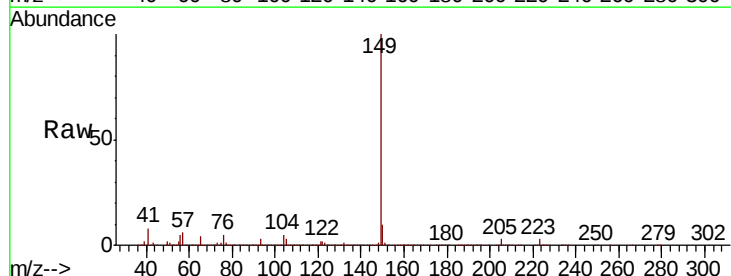
Manual Integrations
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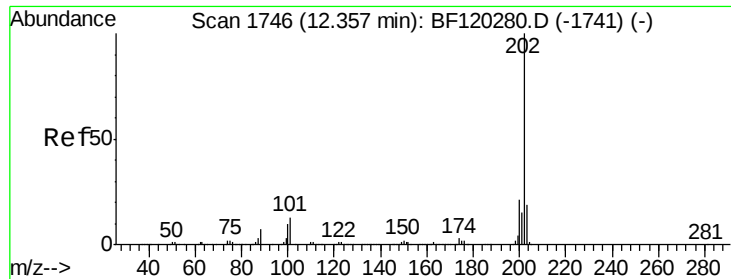
mohammad
 5/18/2020 1:32:05 PM



#74
 Di-n-butylphthalate
 Concen: 43.497 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.2	12.4
104	4.5	3.8	5.8





#75

Fluoranthene

Concen: 45.983 ng

RT: 12.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

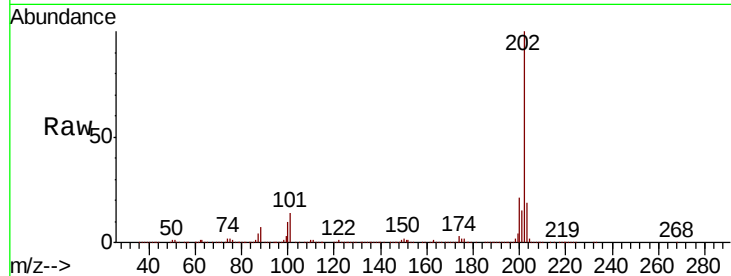
ClientSampleId :

239997MSD

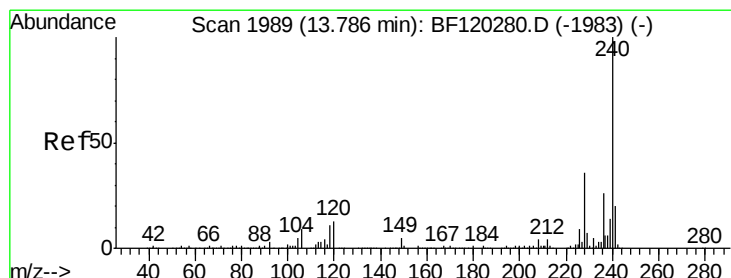
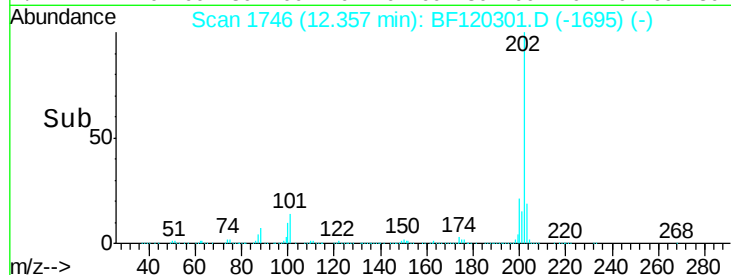
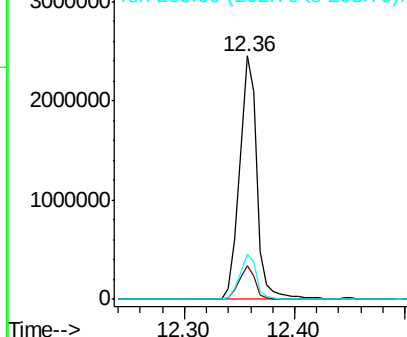
Tot Ion:	202	Resp:	2719332
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.6	0.0	39.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

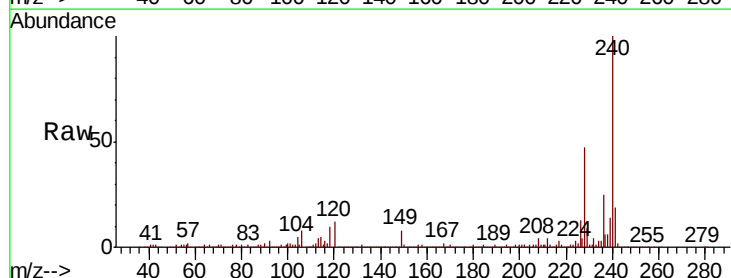
RT: 13.79 min Scan# 1989

Delta R.T. 0.00 min

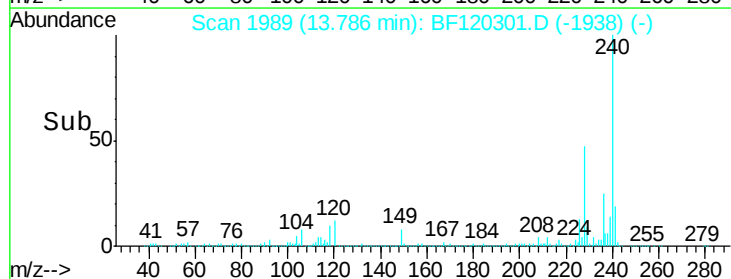
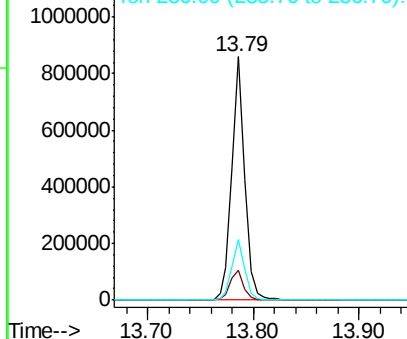
Lab File: BF120301.D

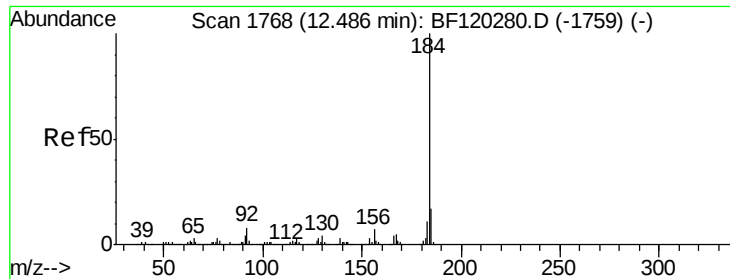
Acq: 14 May 2020 20:05

Tgt Ion:	240	Resp:	725837
Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.4	15.6
236	24.8	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





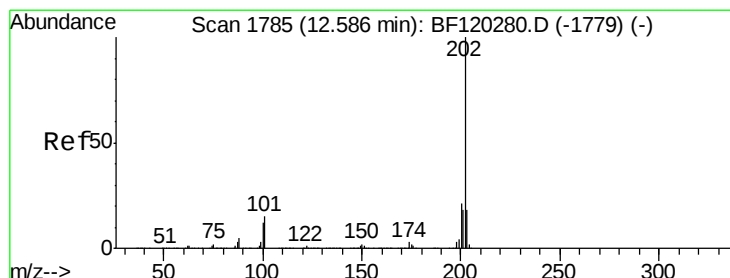
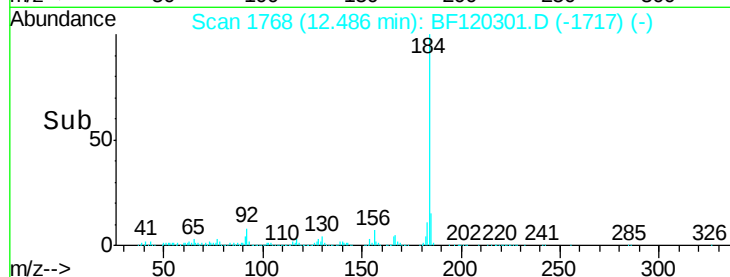
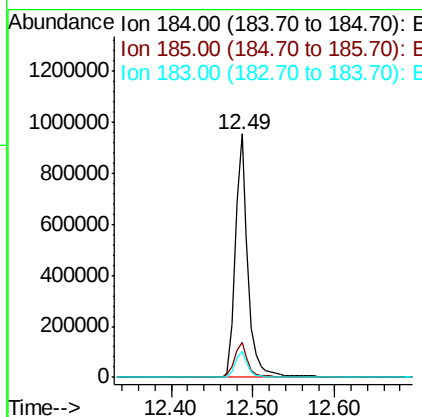
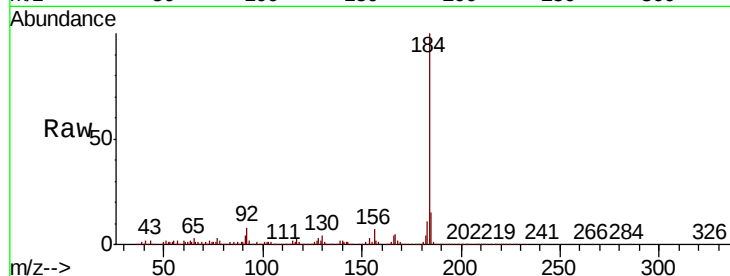
#77
Benzidine
Concen: 48.010 ng
RT: 12.49 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.7	20.5
183	10.7	8.7	13.1

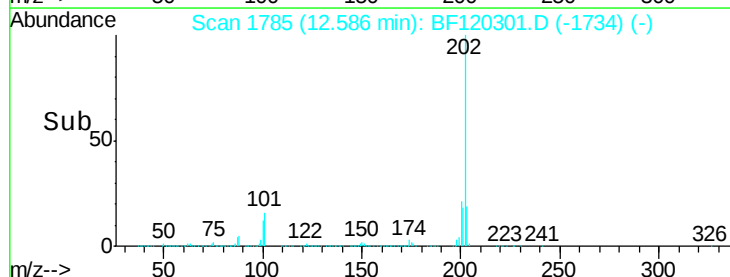
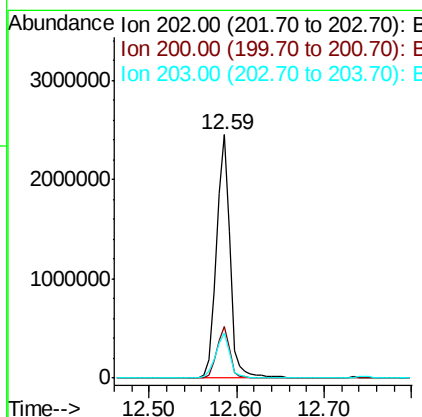
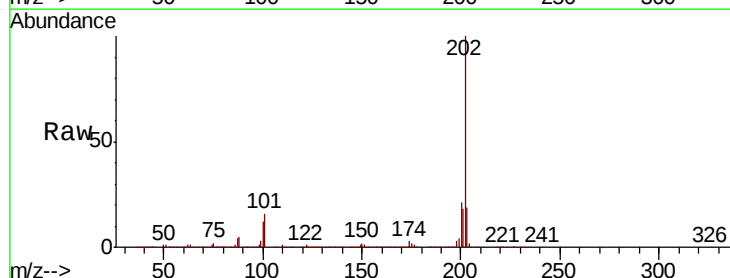
Manual Integrations
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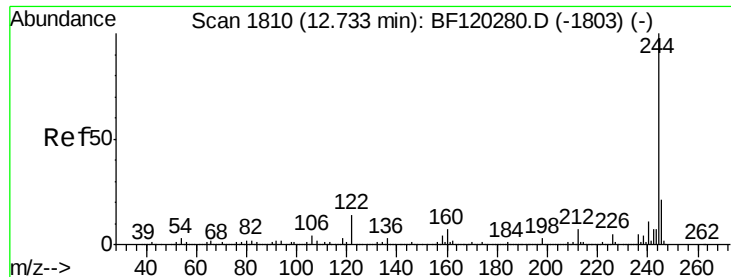
mohammad
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#78
Pyrene
Concen: 51.271 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.7	14.6	22.0





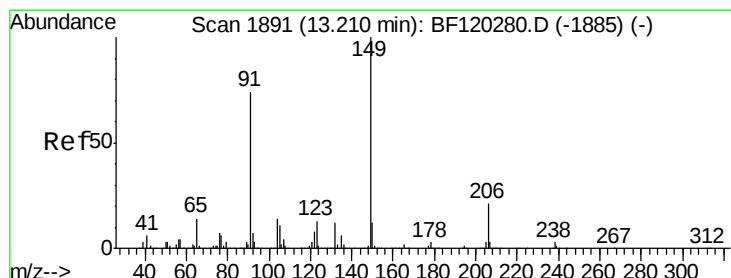
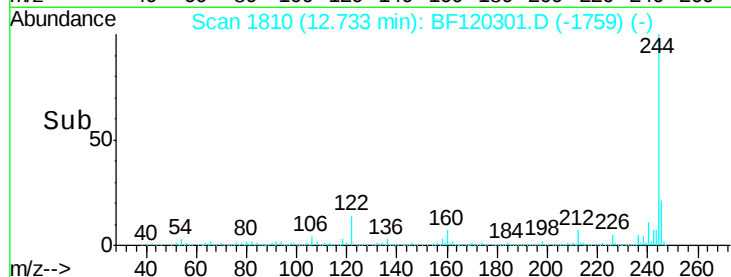
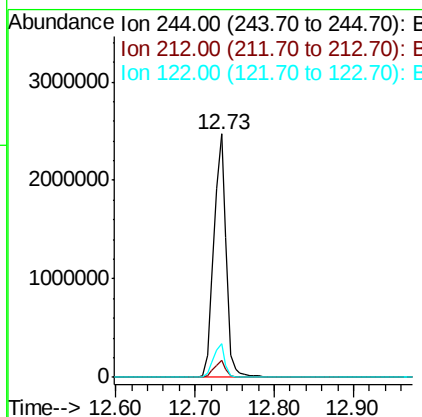
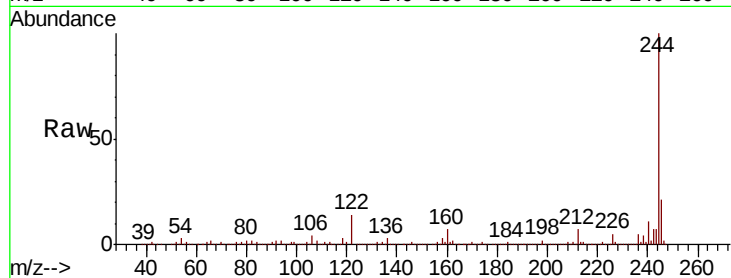
#79
 Terphenyl-d14
 Concen: 81.111 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 239997MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	13.6	10.8	16.2

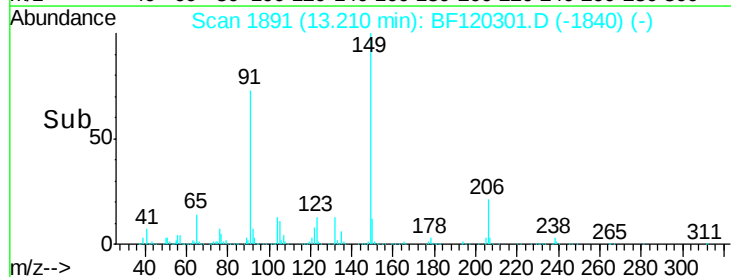
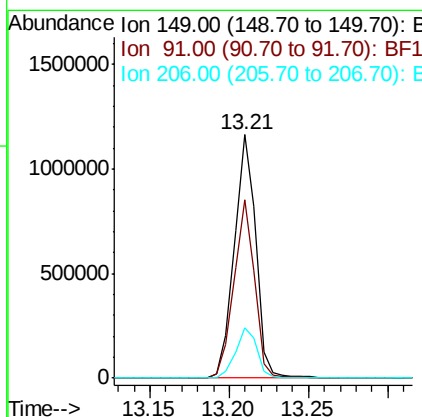
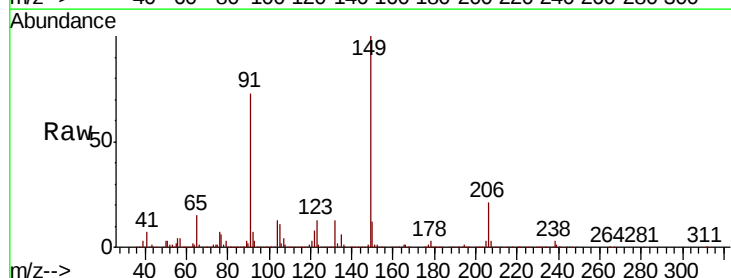
Manual Integrations
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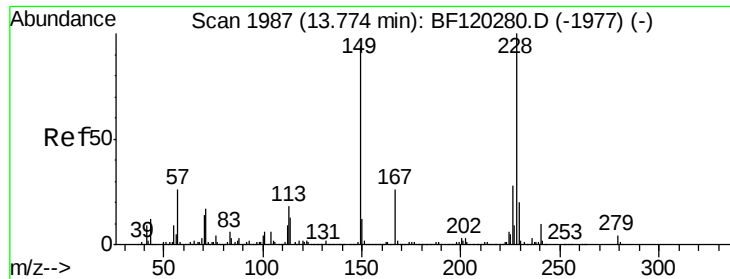
mohammad
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#80
 Butylbenzylphthalate
 Concen: 45.056 ng
 RT: 13.21 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: BF120301.D
 Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.3	59.0	88.4
206	20.6	16.8	25.2





#81

Benzo(a)anthracene

Concen: 44.240 ng

RT: 13.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion:228 Resp: 1693639

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

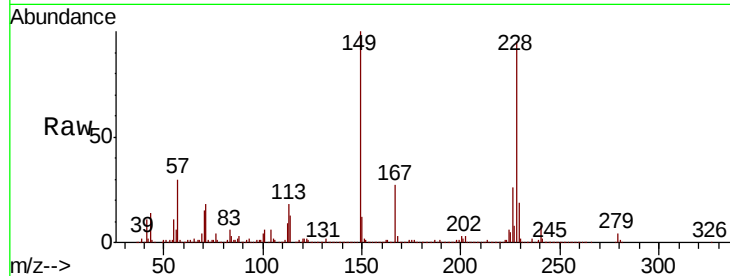
229 19.9 16.4 24.6

Manual Integrations

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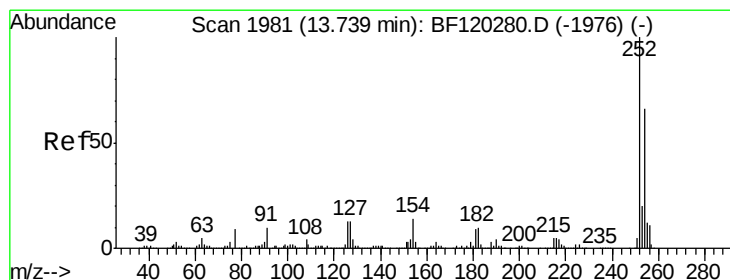
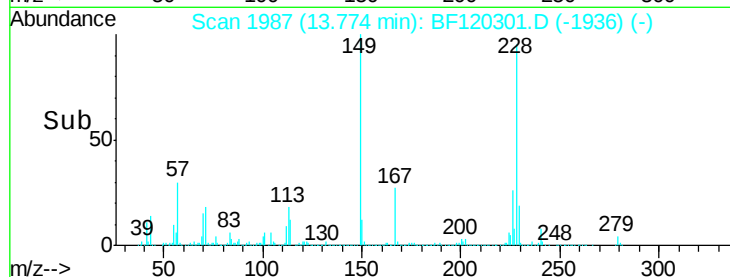
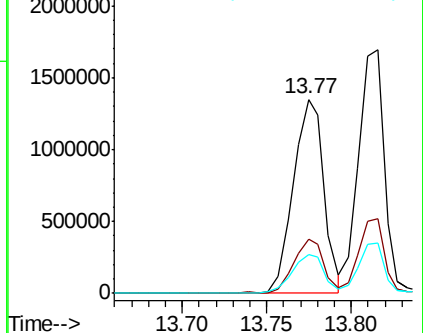
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.473 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

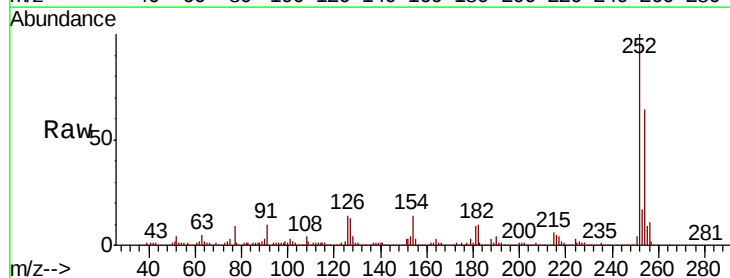
Tgt Ion:252 Resp: 482909

Ion Ratio Lower Upper

252 100

254 64.0 52.6 78.8

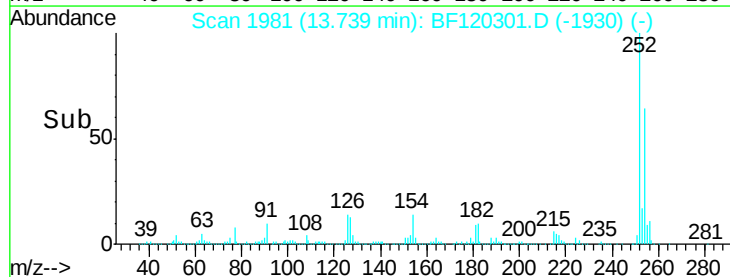
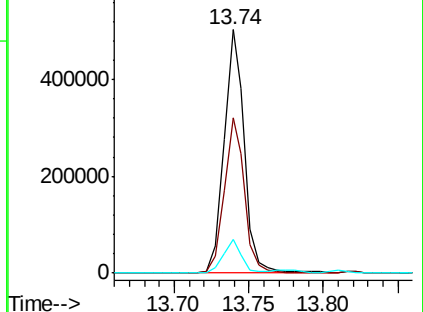
126 13.8 10.7 16.1

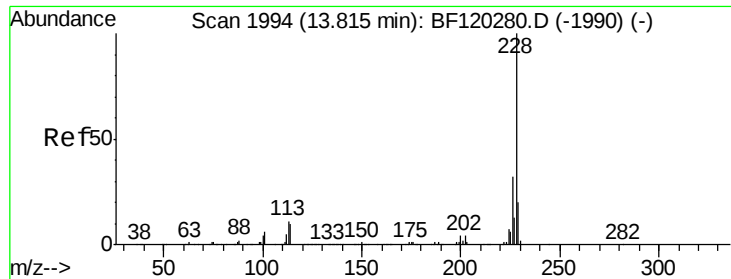


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





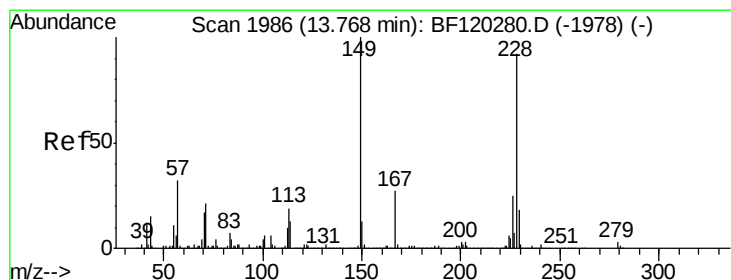
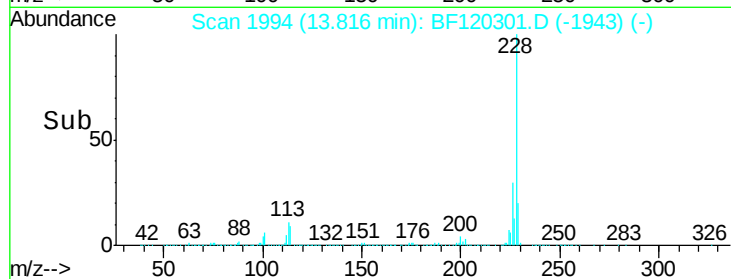
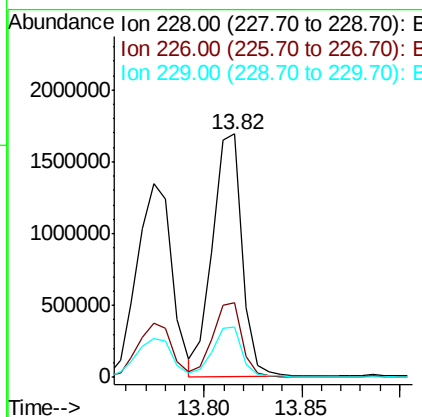
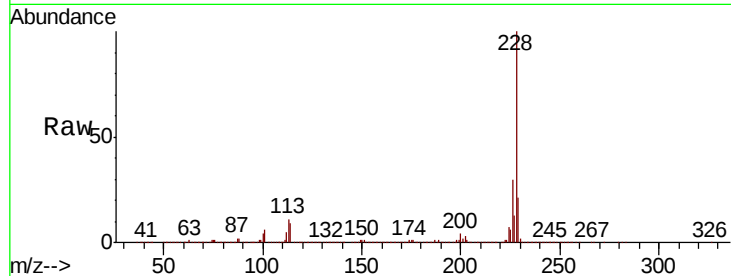
#83
Chrysene
Concen: 43.521 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.5	16.2	24.4

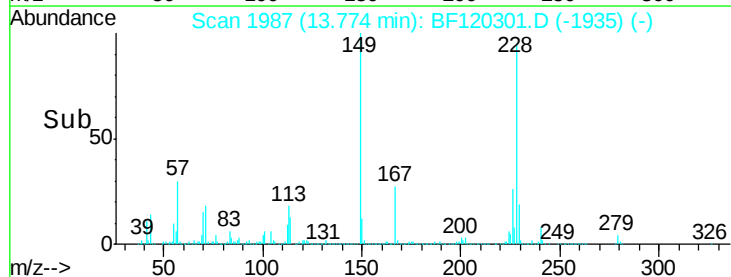
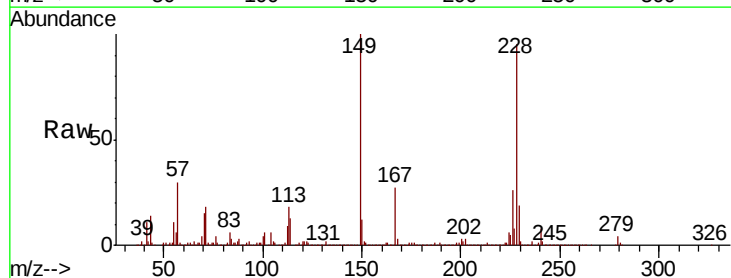
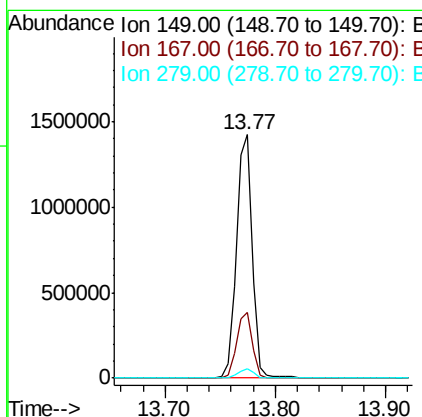
Manual Integrations
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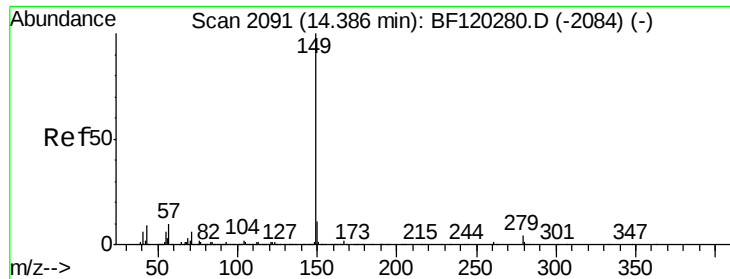
mohammad
5/18/2020 1:32:05 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.061 ng
RT: 13.77 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	3.8	2.8	4.2





#85

Di-n-octyl phthalate

Concen: 43.434 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

ClientSampleId :

239997MSD

Tot Ion:149 Resp: 2368758

Ion Ratio Lower Upper

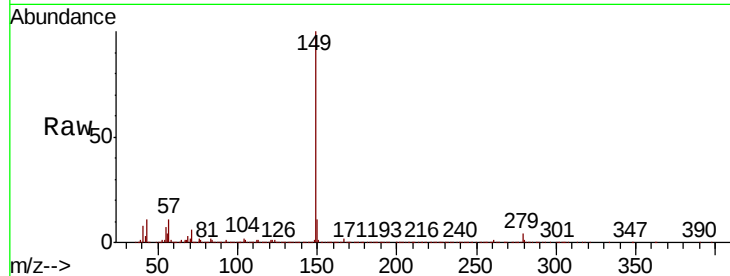
149 100

167 1.6 1.3 1.9

43 10.2 7.5 11.3

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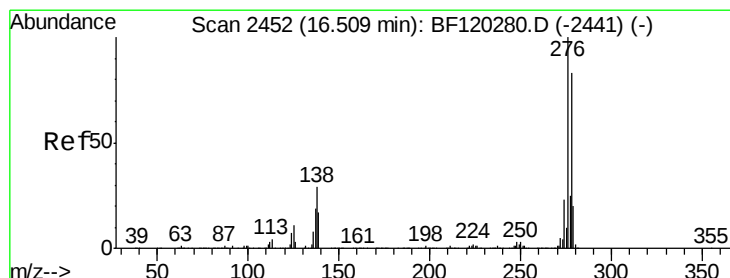
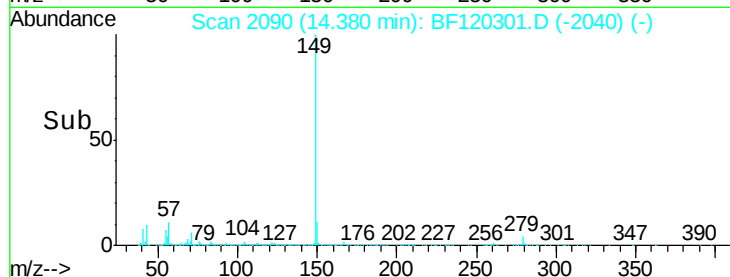
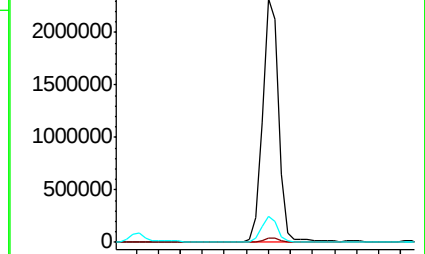
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 46.981 ng

RT: 16.52 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

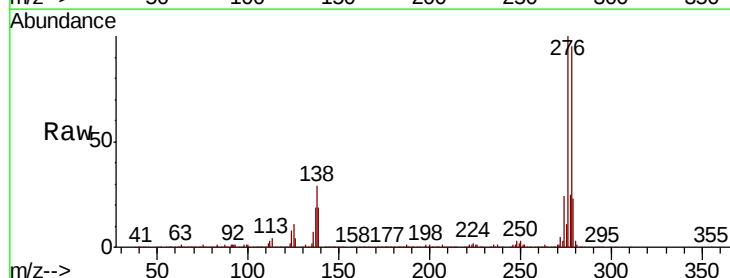
Tgt Ion:276 Resp: 1752884

Ion Ratio Lower Upper

276 100

138 28.4 23.3 34.9

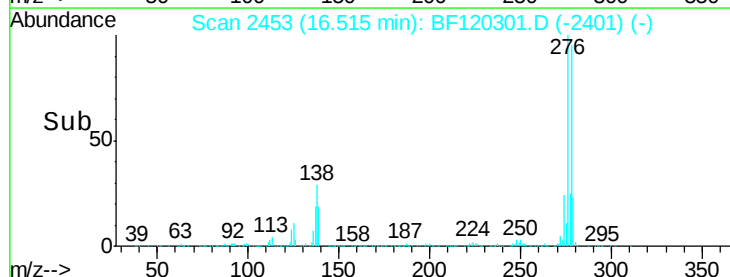
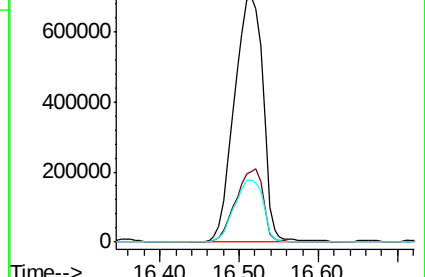
277 25.3 20.2 30.4

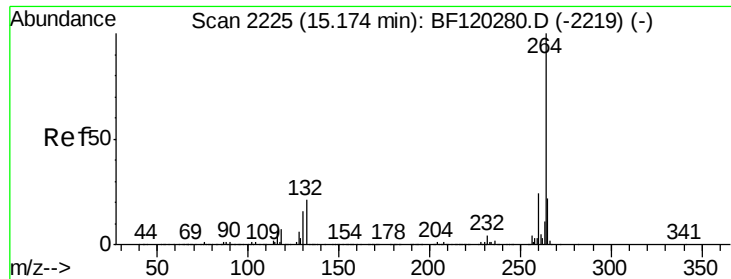


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.17 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Instrument :

BNA_F

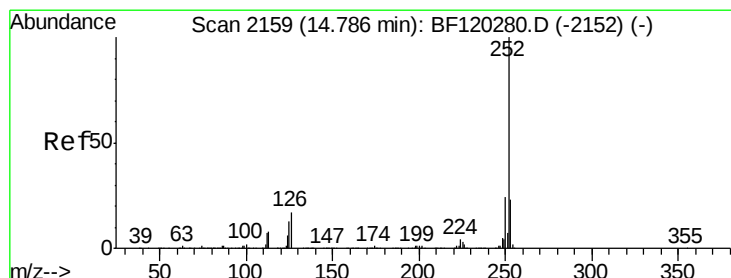
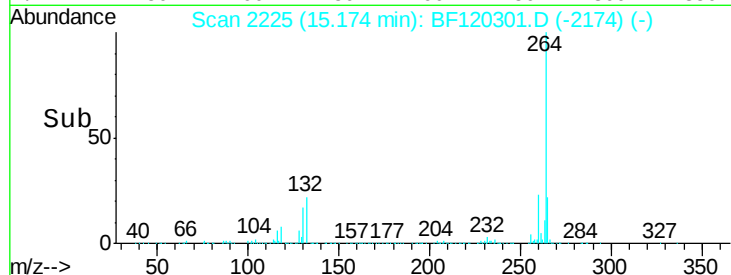
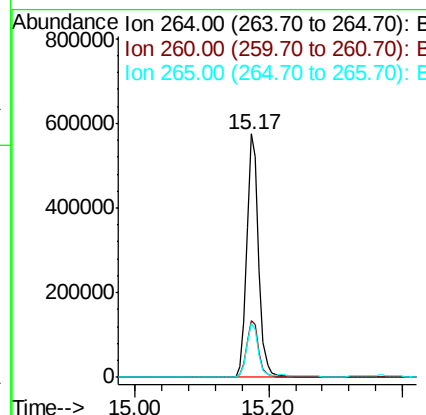
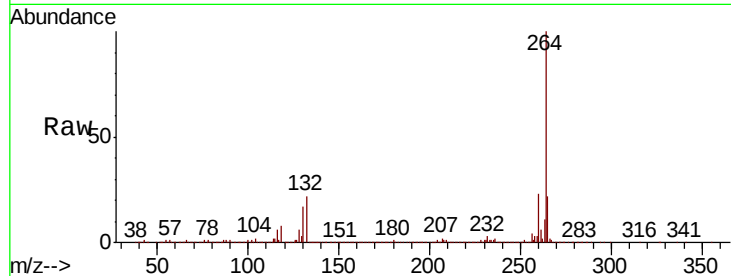
ClientSampleId :

239997MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.6
265	22.2	17.5	26.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 45.103 ng

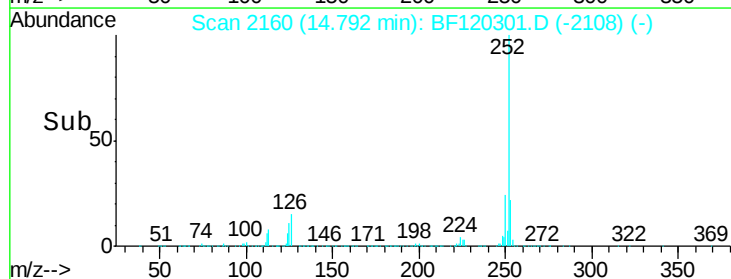
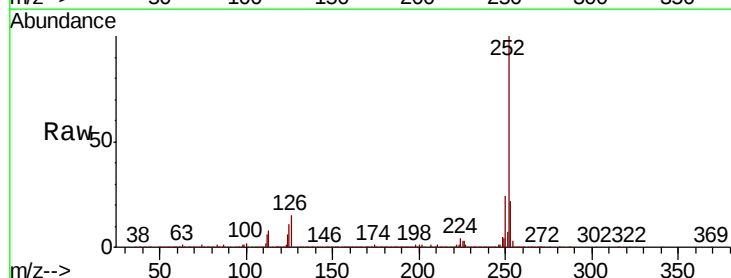
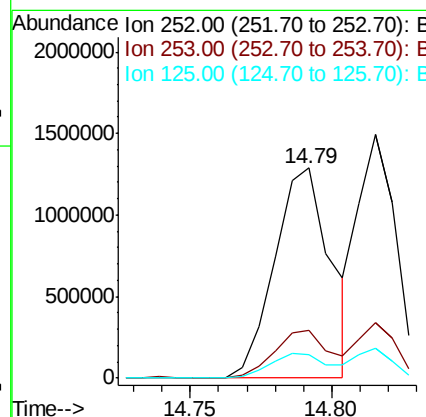
RT: 14.79 min Scan# 2160

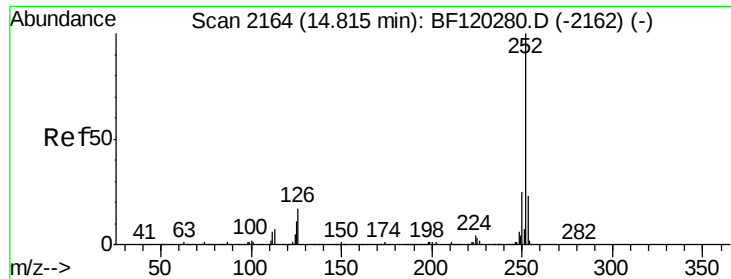
Delta R.T. 0.01 min

Lab File: BF120301.D

Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	10.4	15.6





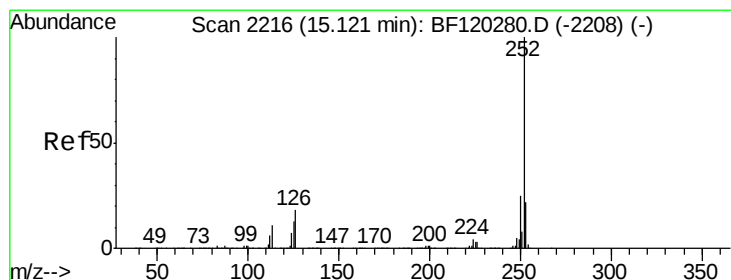
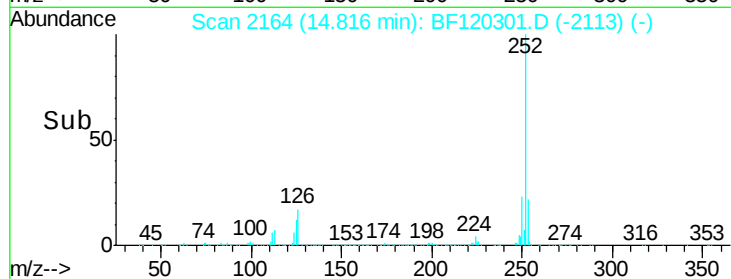
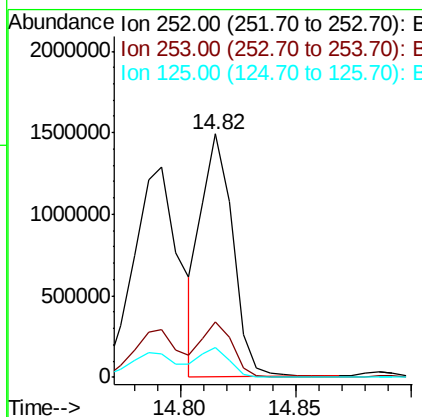
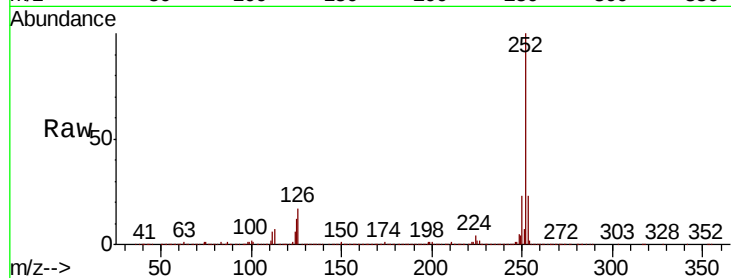
#89
Benzo(k)fluoranthene
Concen: 41.230 ng
RT: 14.82 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.3	9.9	14.9

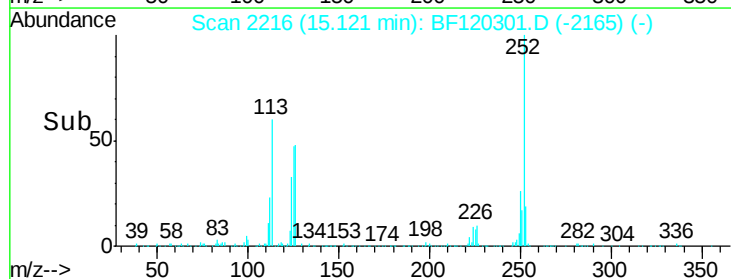
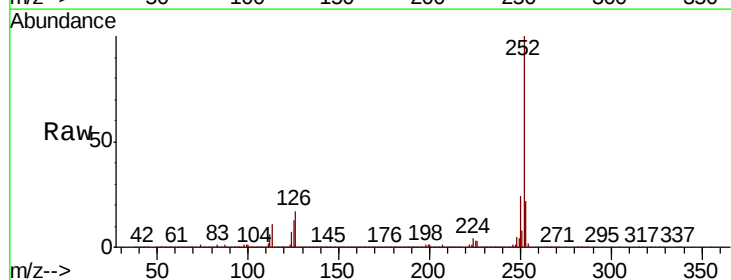
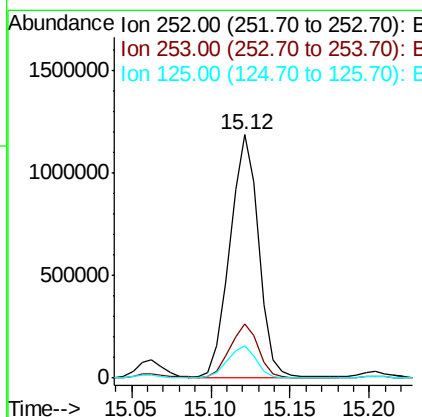
Manual Integrations
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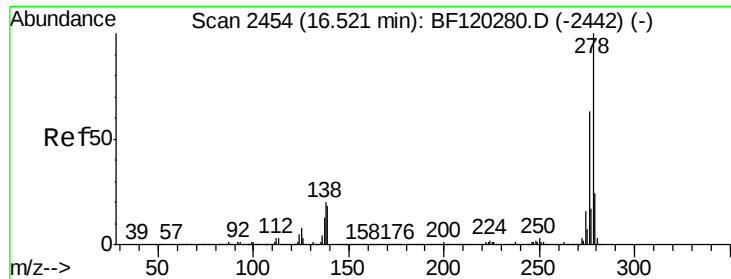
mohammad
5/18/2020 1:32:05 PM



#90
Benzo(a)pyrene
Concen: 42.275 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	13.2	10.6	16.0





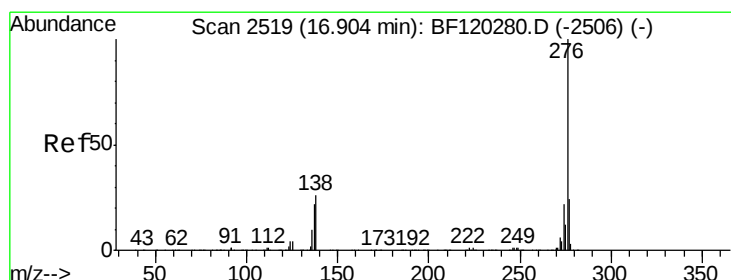
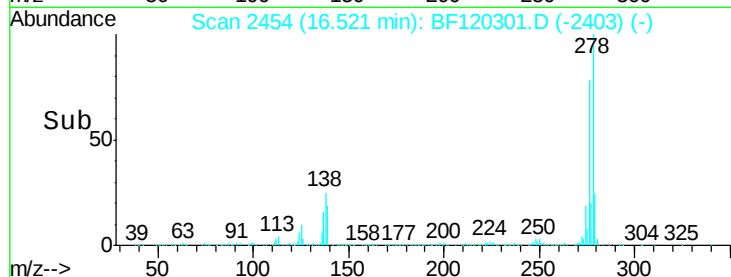
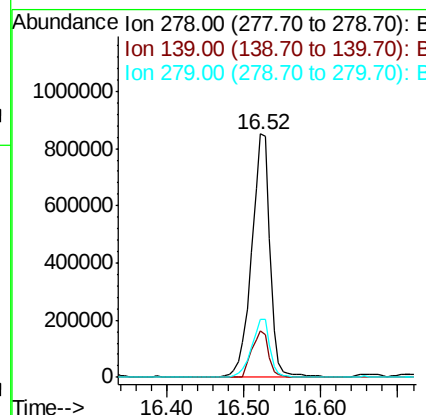
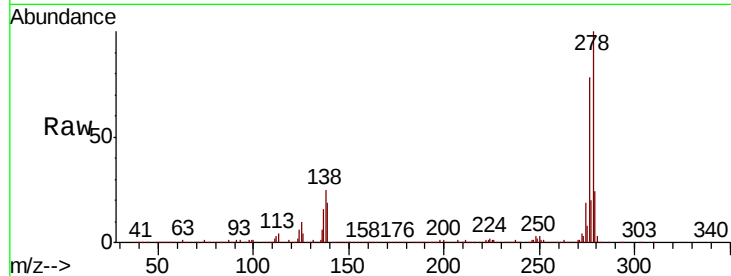
#91
Dibenzo(a,h)anthracene
Concen: 45.591 ng
RT: 16.52 min Scan# 2454
Delta R.T. 0.00 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Instrument :
BNA_F
ClientSampleId :
239997MSD

Tot Ion:278 Resp: 1416563
Ion Ratio Lower Upper
278 100
139 19.1 14.7 22.1
279 24.1 19.2 28.8

Manual Integrations
APPROVED

mohammad
5/18/2020 1:32:05 PM



#92
Benzo(g,h,i)perylene
Concen: 48.884 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF120301.D
Acq: 14 May 2020 20:05

Tgt Ion:276 Resp: 1531618
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 24.5 20.8 31.2

