

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119607.D
 Acq On : 28 Mar 2020 10:01
 Operator : CG/JU
 Sample : L2049-07MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Manual Integrations
 APPROVED

mohammad
 3/31/2020 8:14:15 AM

Quant Time: Mar 29 23:40:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	262022	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1023734	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	533814	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	983974	20.00	ng	0.00
76) Chrysene-d12	14.01	240	566279	20.00	ng	0.00
87) Perylene-d12	15.47	264	481808	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1804151	109.61	ng	0.01
7) Phenol-d6	6.46	99	2431384	115.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	1479683	78.55	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	667098	121.13	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2569851	71.32	ng	0.00
79) Terphenyl-d14	12.95	244	2349075	81.27	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	357002	43.916	ng	99
3) Pyridine	3.39	79	957042	42.733	ng	95
4) n-Nitrosodimethylamine	3.34	42	502946	46.051	ng	98
6) Aniline	6.49	93	975550	33.617	ng	99
8) 2-Chlorophenol	6.62	128	1031867	59.689	ng	99
9) Benzaldehyde	6.38	77	559396	41.939	ng	99
10) Phenol	6.47	94	1274483	56.807	ng	97
11) bis(2-Chloroethyl)ether	6.57	93	919452	51.242	ng	99
12) 1,3-Dichlorobenzene	6.77	146	963619	51.502	ng	97
13) 1,4-Dichlorobenzene	6.85	146	960817	51.340	ng	99
14) 1,2-Dichlorobenzene	7.00	146	967368	55.301	ng	98
15) Benzyl Alcohol	6.97	79	843268	53.317	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	1846954	51.030	ng	99
17) 2-Methylphenol	7.09	107	832470	52.558	ng	99
18) Hexachloroethane	7.35	117	368036	53.662	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	701419	55.346	ng	99
20) 3+4-Methylphenols	7.24	107	996692	51.345	ng	# 86
22) Acetophenone	7.25	105	1295957	52.979	ng	# 93
24) Nitrobenzene	7.42	77	998559	49.604	ng	100
25) Isophorone	7.66	82	1859567	48.666	ng	99
26) 2-Nitrophenol	7.73	139	531291	67.030	ng	91
27) 2,4-Dimethylphenol	7.77	122	817456	49.877	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	1174701	51.989	ng	99
29) 2,4-Dichlorophenol	7.97	162	782113	51.936	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	794873	47.729	ng	97
31) Naphthalene	8.14	128	2692294	51.104	ng	99
32) Benzoic acid	7.90	122	657150	62.333	ng	96
33) 4-Chloroaniline	8.19	127	341276	14.137	ng	97
34) Hexachlorobutadiene	8.26	225	476828	51.173	ng	100
35) Caprolactam	8.57	113	261228m	53.004	ng	
36) 4-Chloro-3-methylphenol	8.67	107	855153	51.956	ng	100
37) 2-Methylnaphthalene	8.83	142	1786622	51.674	ng	99
38) 1-Methylnaphthalene	8.93	142	1679360	51.316	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	787627	50.339	ng	99

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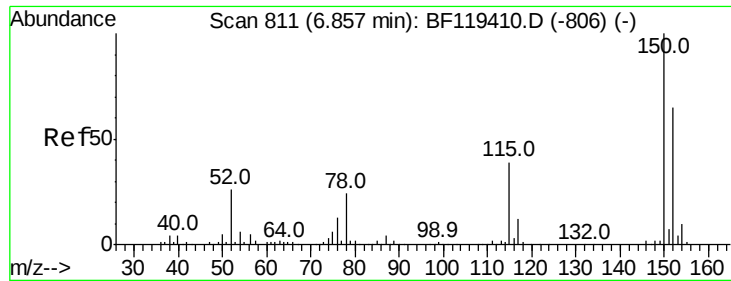
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	883121	99.280	nq	100
43) 2,4,6-Trichlorophenol	9.11	196	580501	51.844	nq	98
44) 2,4,5-Trichlorophenol	9.15	196	638783	50.926	nq	97
46) 1,1'-Biphenyl	9.30	154	2118301	48.723	nq	99
47) 2-Chloronaphthalene	9.33	162	1755984	51.562	nq	97
48) 2-Nitroaniline	9.42	65	620324	52.772	nq	92
49) Acenaphthylene	9.74	152	2601506	48.645	nq	99
50) Dimethylphthalate	9.60	163	2166301	57.133	nq	99
51) 2,6-Dinitrotoluene	9.66	165	450542	55.436	nq	91
52) Acenaphthene	9.92	154	1774423	53.222	nq	99
53) 3-Nitroaniline	9.83	138	257042	25.051	nq	98
54) 2,4-Dinitrophenol	9.94	184	409030	113.010	nq	95
55) Dibenzofuran	10.09	168	2342533	49.006	nq	98
56) 4-Nitrophenol	9.99	139	773913	95.613	nq	99
57) 2,4-Dinitrotoluene	10.07	165	601579	58.758	nq	95
58) Fluorene	10.43	166	1787250	50.561	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	516316	55.069	nq	98
60) Diethylphthalate	10.30	149	1968804	51.160	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	869907	50.325	nq	100
62) 4-Nitroaniline	10.45	138	472016	47.973	nq	97
63) Azobenzene	10.58	77	1916124	49.444	nq	99
65) 4,6-Dinitro-2-methylphenol	10.47	198	283731	68.765	nq	89
66) n-Nitrosodiphenylamine	10.54	169	1636585	50.665	nq	100
67) 4-Bromophenyl-phenylether	10.91	248	563935	50.323	nq	97
68) Hexachlorobenzene	10.97	284	617103	53.805	nq	100
69) Atrazine	11.07	200	537174	60.659	nq	97
70) Pentachlorophenol	11.17	266	707048	105.136	nq	96
71) Phenanthrene	11.39	178	2556960	50.115	nq	99
72) Anthracene	11.44	178	2613015	50.390	nq	99
73) Carbazole	11.60	167	2423741	47.222	nq	100
74) Di-n-butylphthalate	11.93	149	2955553	53.829	nq	99
75) Fluoranthene	12.58	202	2446072	44.299	nq	100
77) Benzidine	12.70	184	1086309	45.329	nq	99
78) Pyrene	12.81	202	2440866	52.521	nq	100
80) Butylbenzylphthalate	13.43	149	1128053	60.014	nq	97
81) Benzo(a)anthracene	14.00	228	1791242	48.643	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	437906	30.160	nq	98
83) Chrysene	14.04	228	1849986	48.679	nq	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	1458871	65.107	nq	100
85) Di-n-octyl phthalate	14.60	149	2353758	59.728	nq	100
86) Indeno(1,2,3-cd)pyrene	16.93	276	1971483	55.081	nq	99
88) Benzo(b)fluoranthene	15.04	252	1645301	51.121	nq	98
89) Benzo(k)fluoranthene	15.07	252	1585145	51.724	nq	100
90) Benzo(a)pyrene	15.41	252	1454693	49.735	nq	98
91) Dibenzo(a,h)anthracene	16.95	278	1608397	62.869	nq	97
92) Benzo(g,h,i)perylene	17.38	276	1630254	63.430	nq	97

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



#1

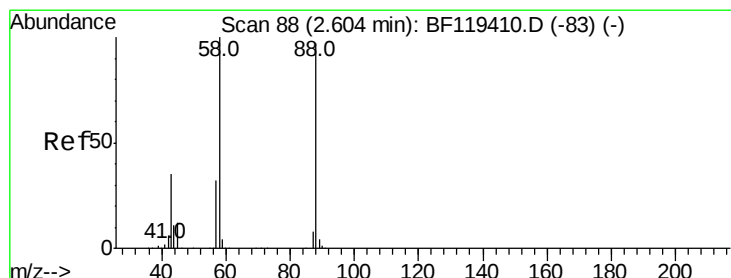
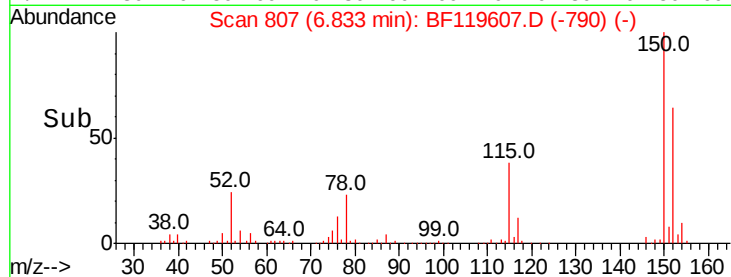
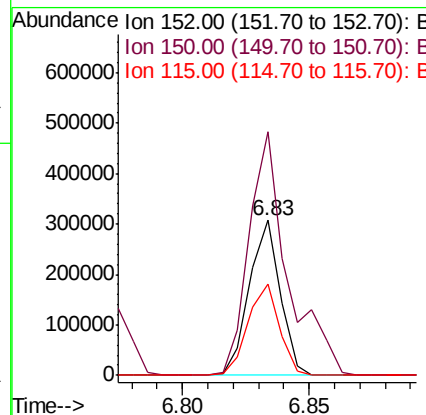
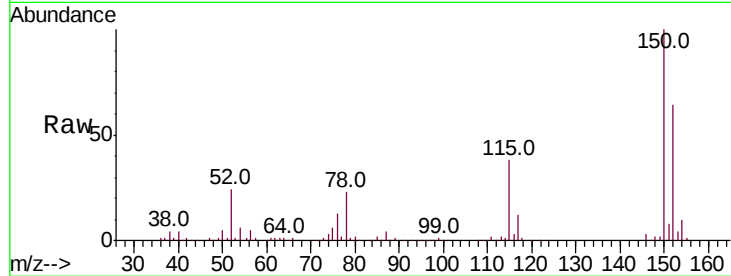
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.5	186.7
115	59.2	49.6	74.4

Manual Integrations
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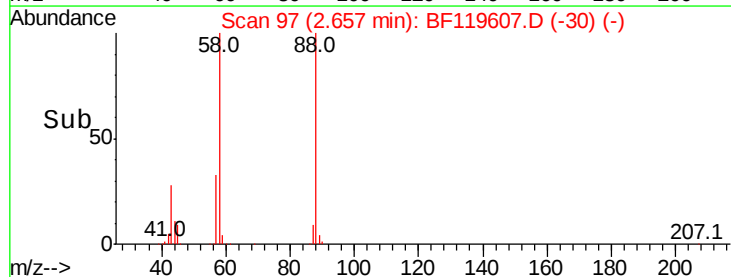
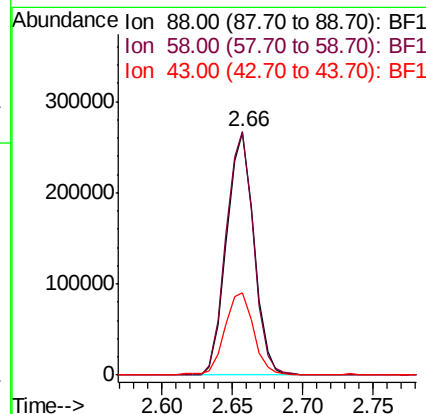
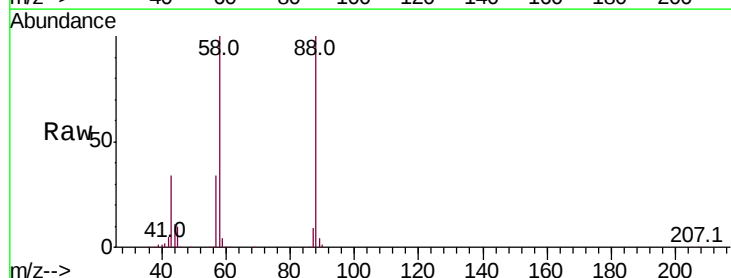
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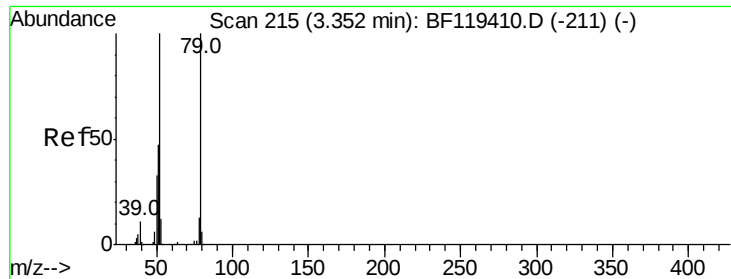


#2

1,4-Dioxane
Concen: 43.916 ng
RT: 2.66 min Scan# 97
Delta R.T. 0.09 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	101.4	80.6	121.0
43	34.7	27.5	41.3





#3

Pvridine

Concen: 42.733 ng

RT: 3.39 min Scan# 221

Delta R.T. 0.09 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

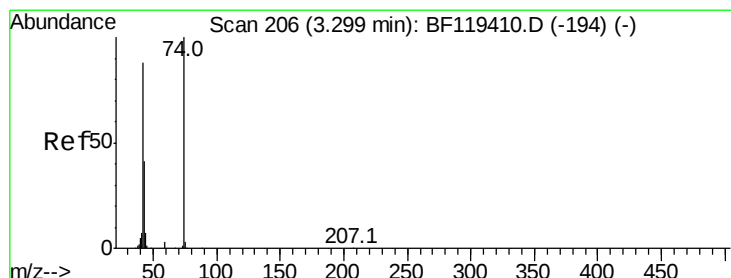
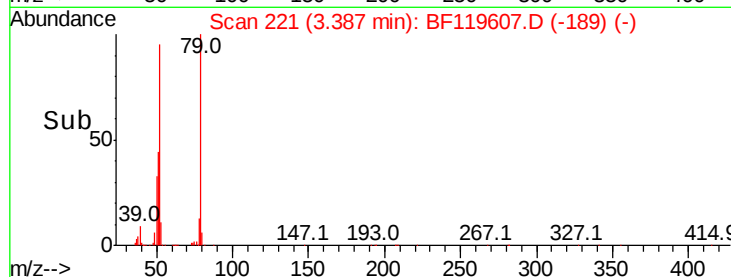
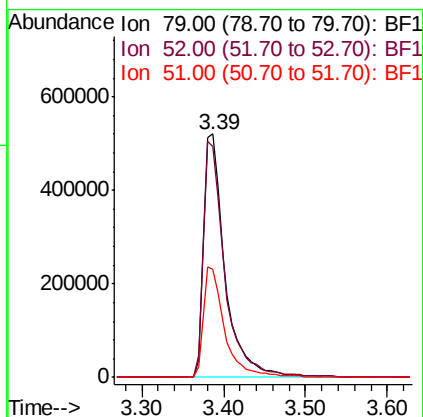
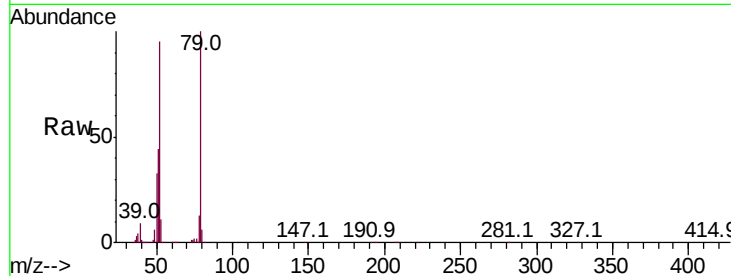
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	79	Resp:	957042
Ion Ratio	Lower	Upper	
79	100		
52	94.8	80.2	120.2
51	44.3	37.7	56.5

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 46.051 ng

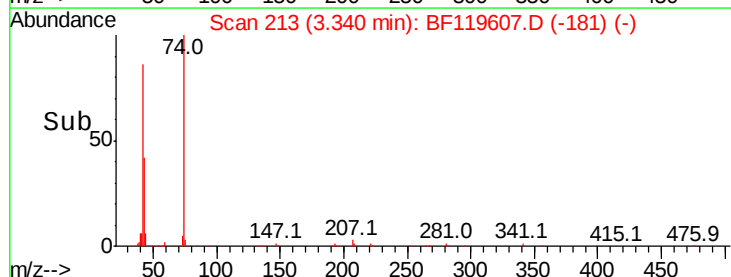
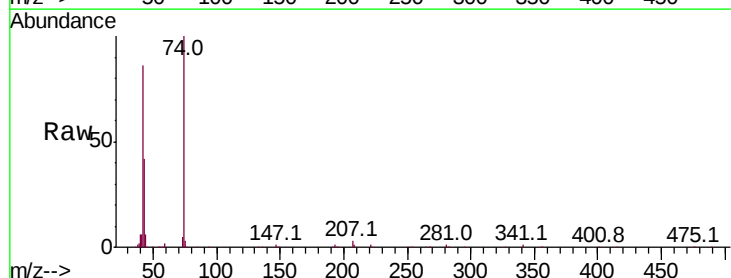
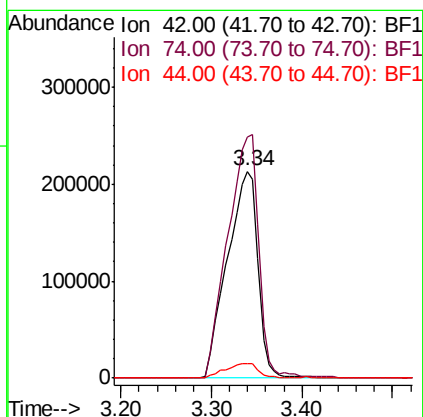
RT: 3.34 min Scan# 213

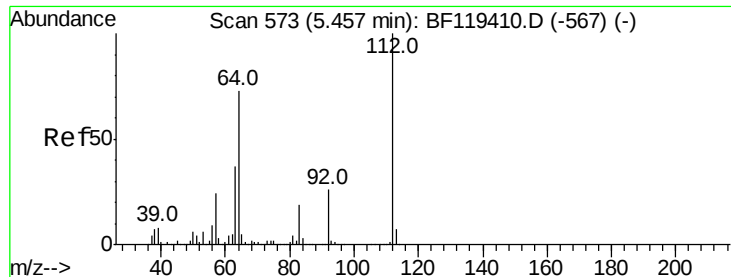
Delta R.T. 0.09 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	42	Resp:	502946
Ion Ratio	Lower	Upper	
42	100		
74	116.7	91.5	137.3
44	7.3	6.2	9.4





#5

2-Fluorophenol

Concen: 109.611 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:112 Resp: 1804151

Ion Ratio Lower Upper

112 100

64 71.9 56.7 85.1

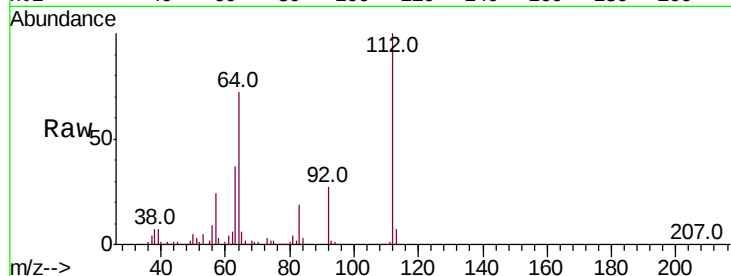
63 37.4 29.5 44.3

Manual Integrations

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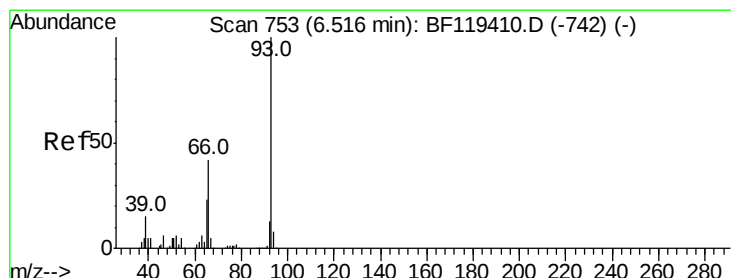
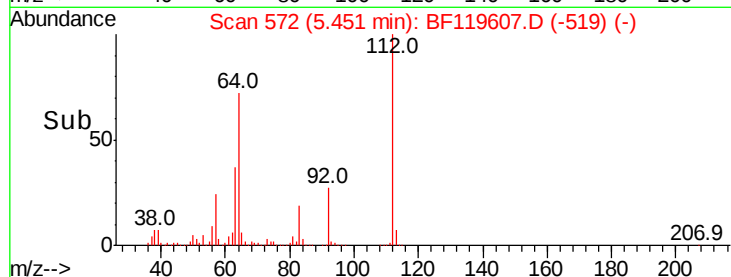
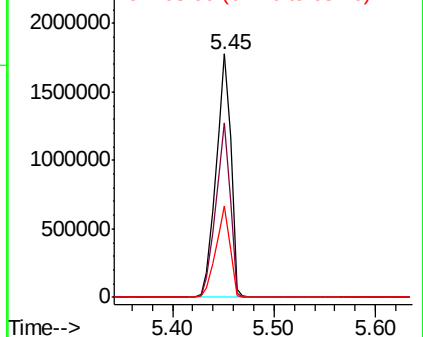
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.617 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

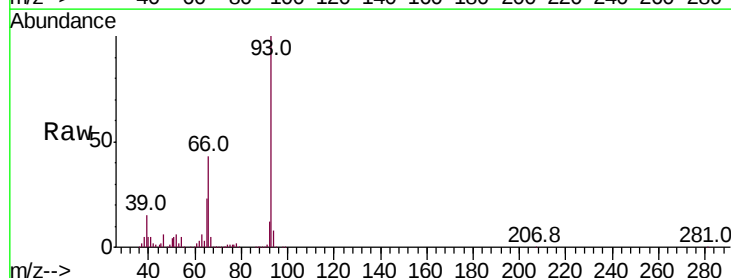
Tgt Ion: 93 Resp: 975550

Ion Ratio Lower Upper

93 100

66 43.3 34.9 52.3

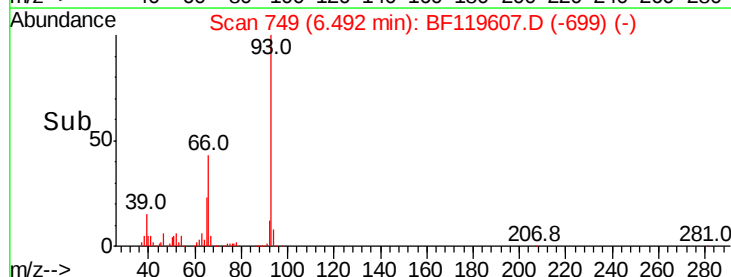
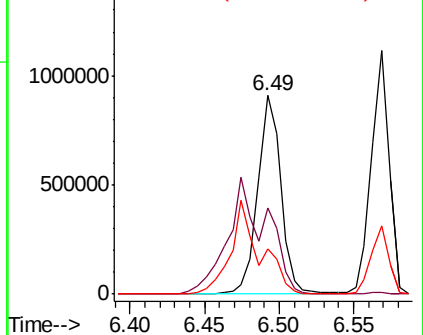
65 22.9 18.6 27.8

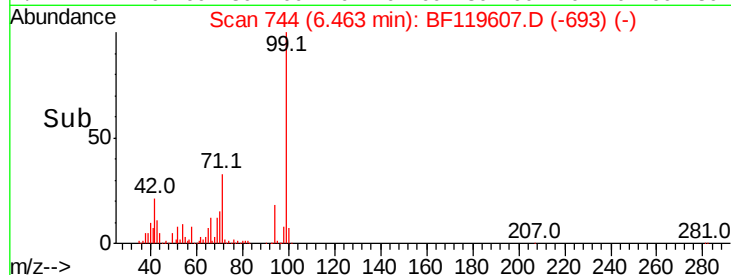
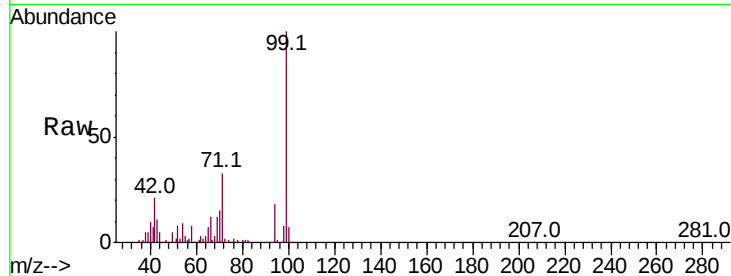
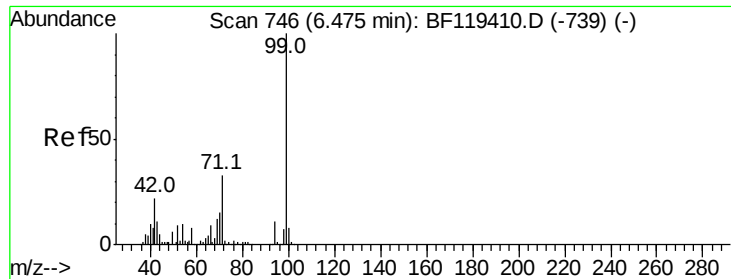


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.637 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tot Ion: 99 Resp: 2431384

Ion Ratio Lower Upper

99 100

42 20.5 16.6 24.8

71 32.7 26.4 39.6

Instrument :

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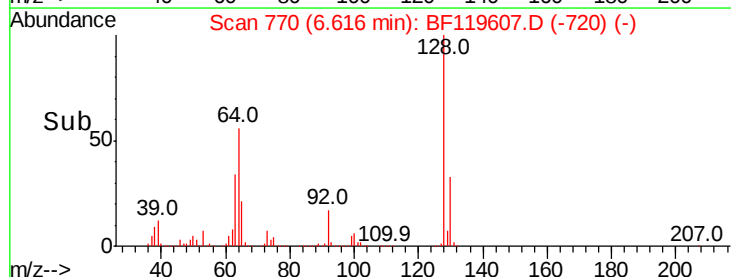
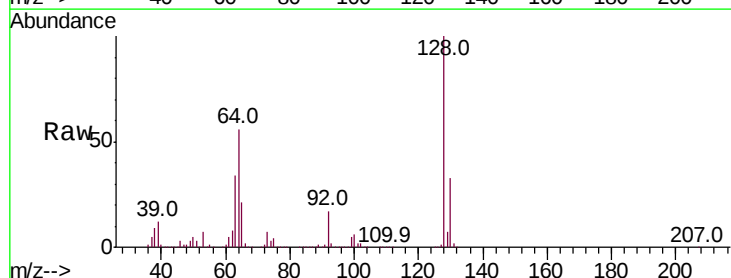
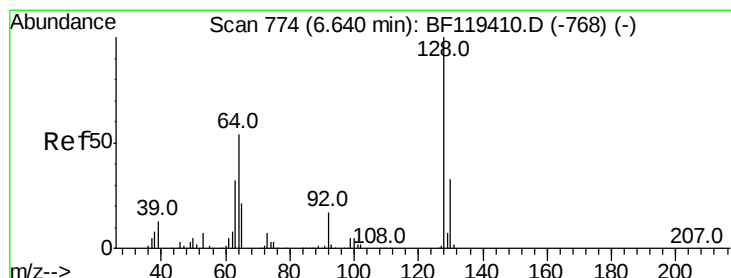
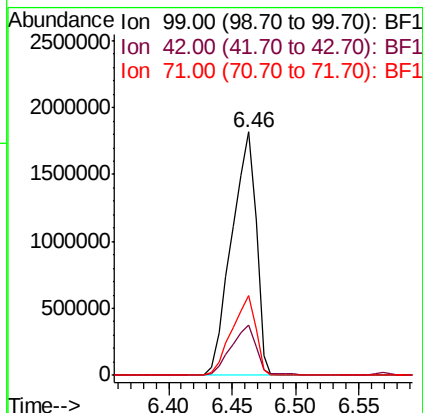
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#8

2-Chlorophenol

Concen: 59.689 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

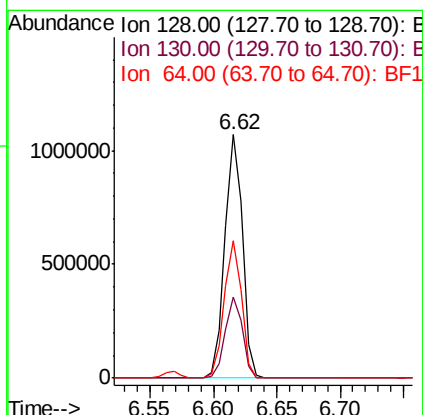
Tgt Ion:128 Resp: 1031867

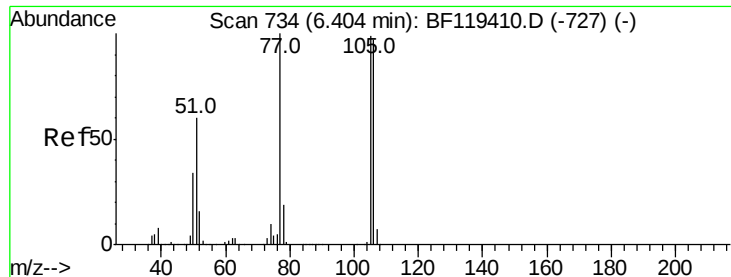
Ion Ratio Lower Upper

128 100

130 33.1 12.6 52.6

64 56.2 35.3 75.3





#9

Benzaldehyde

Concen: 41.939 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

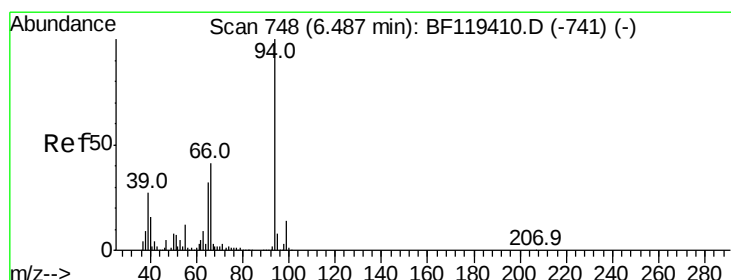
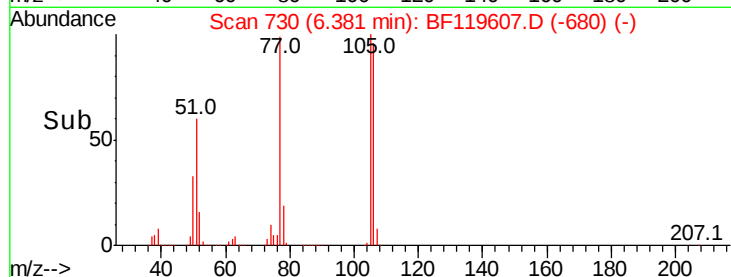
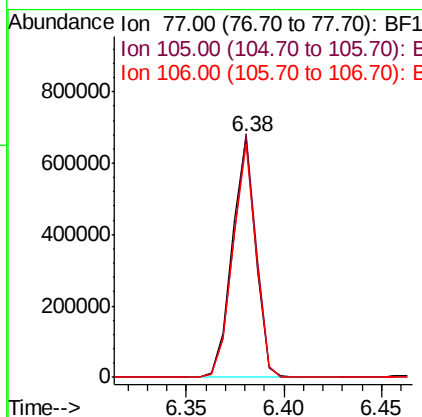
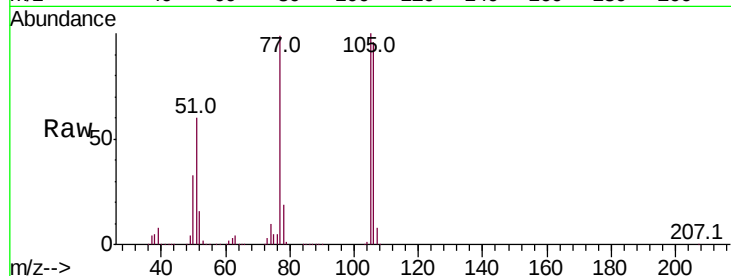
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	77	Resp:	559396
Ion Ratio	Lower	Upper	
77	100		
105	101.3	80.9	120.9
106	97.1	77.9	117.9

Manual Integrations
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#10

Phenol

Concen: 56.807 ng

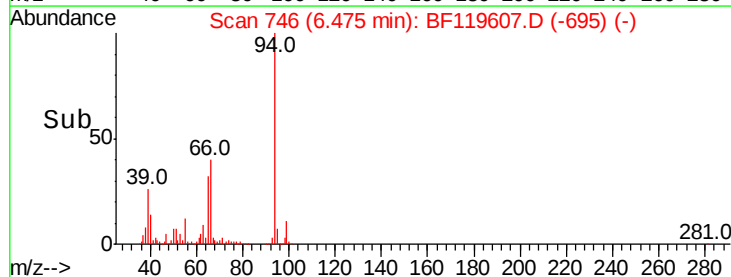
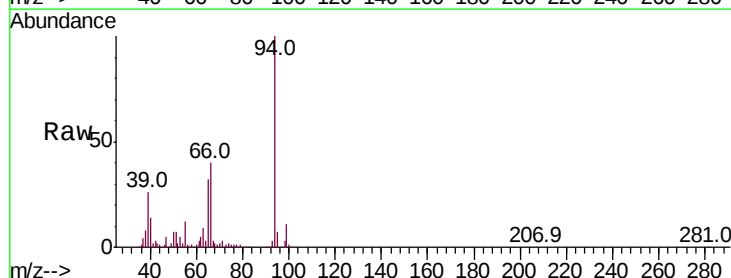
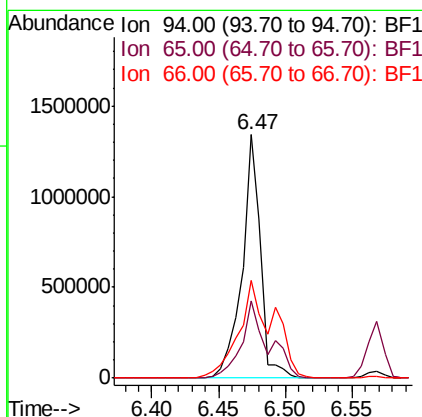
RT: 6.47 min Scan# 746

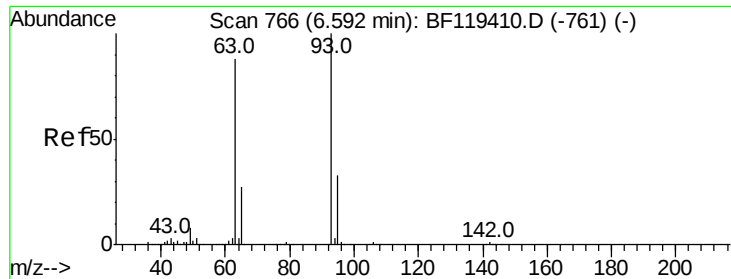
Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	94	Resp:	1274483
Ion Ratio	Lower	Upper	
94	100		
65	31.8	13.2	53.2
66	40.0	22.3	62.3





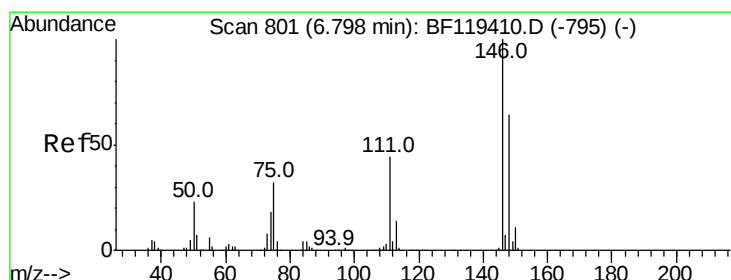
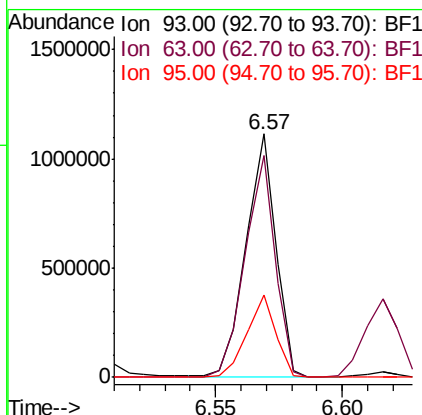
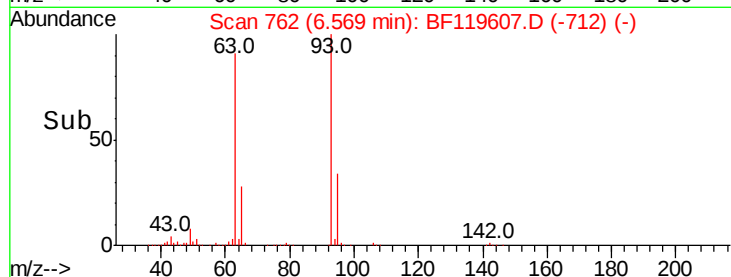
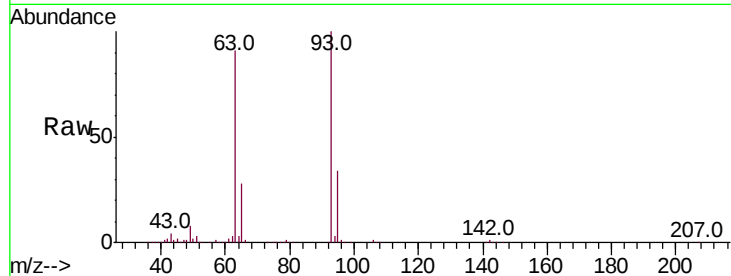
#11
bis(2-Chloroethyl)ether
Concen: 51.242 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	91.3	70.2	110.2
95	33.6	13.4	53.4

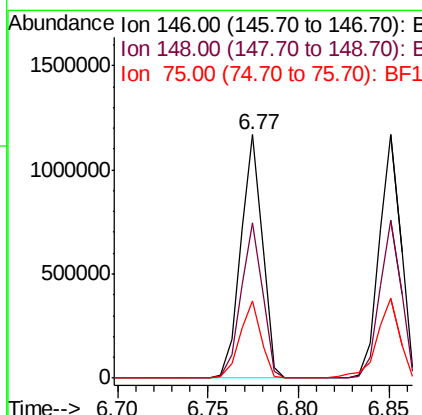
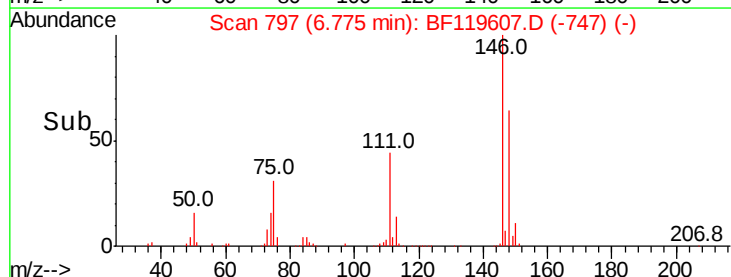
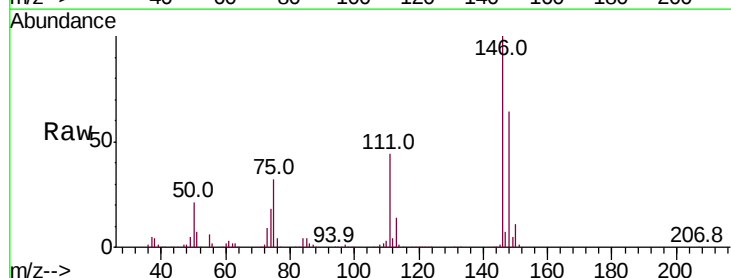
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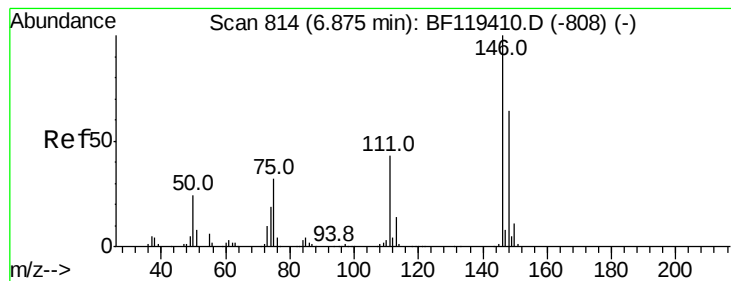
mohammad
3/31/2020 8:14:15 AM



#12
1,3-Dichlorobenzene
Concen: 51.502 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.2	78.4
75	31.5	23.0	34.4





#13

1,4-Dichlorobenzene

Concen: 51.340 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

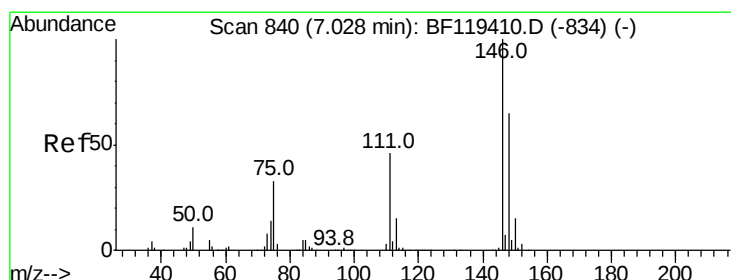
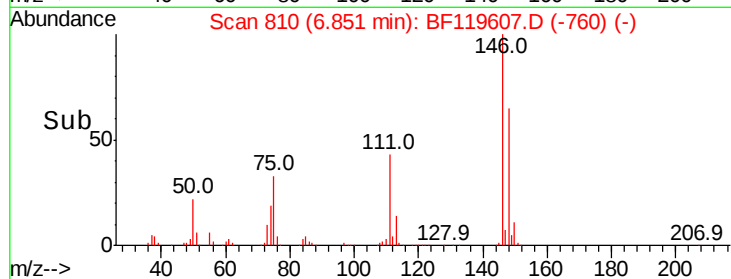
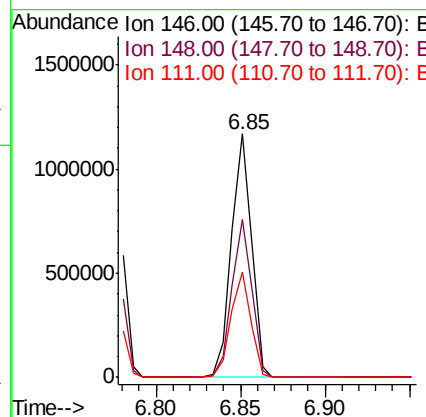
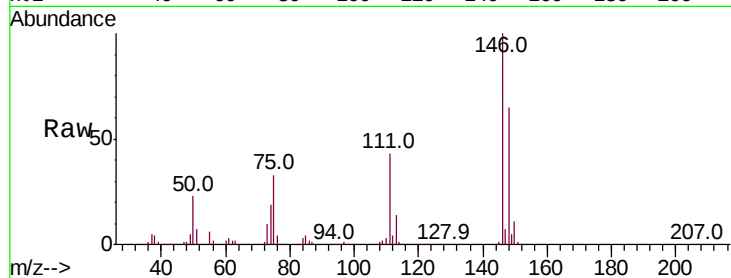
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	146	Resp:	960817
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.5	77.3
111	43.2	33.3	49.9

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#14

1,2-Dichlorobenzene

Concen: 55.301 ng

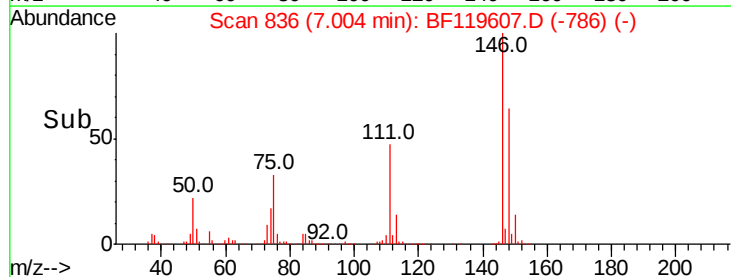
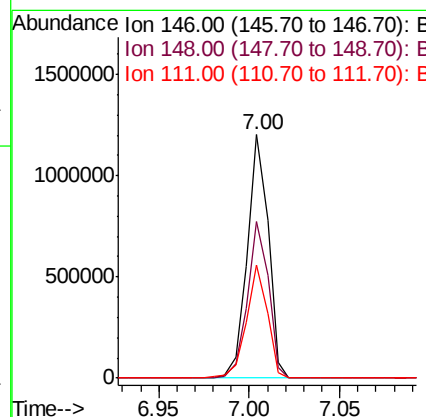
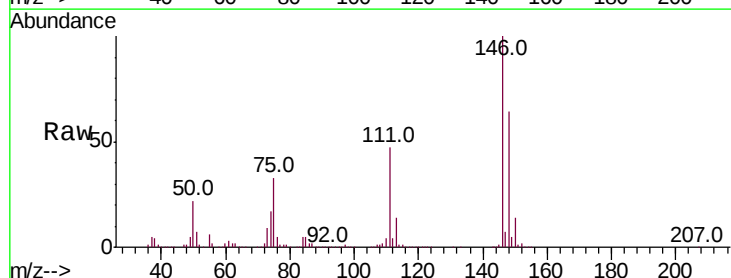
RT: 7.00 min Scan# 836

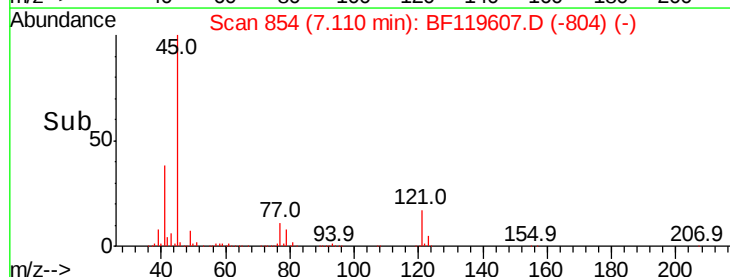
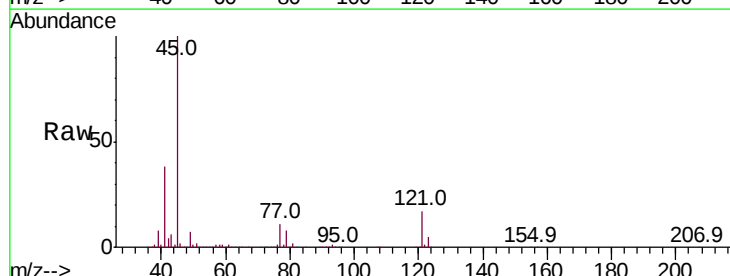
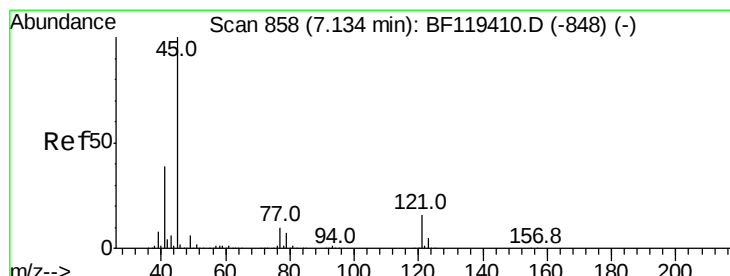
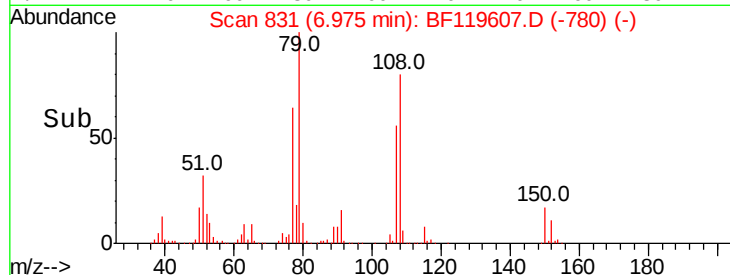
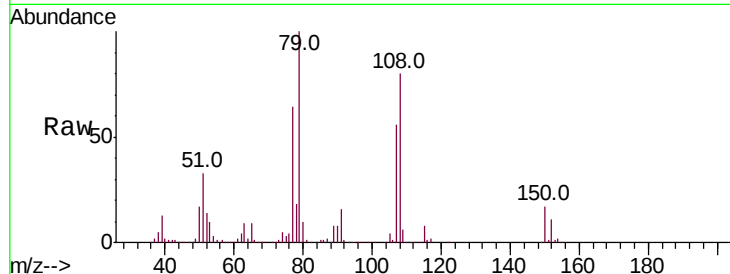
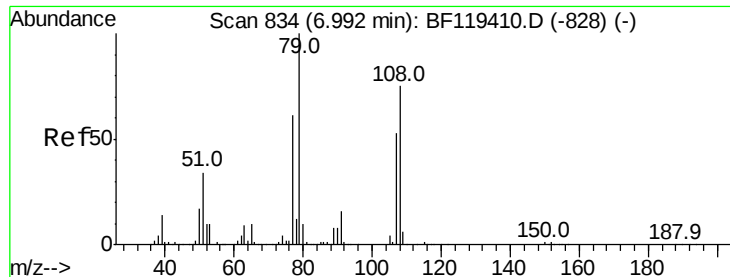
Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	146	Resp:	967368
Ion Ratio	Lower	Upper	
146	100		
148	64.4	50.6	75.8
111	46.6	36.1	54.1





#15

Benzyl Alcohol

Concen: 53.317 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tot Ion:	79	Resp:	843268
Ion Ratio	Lower	Upper	
79	100		
108	79.8	60.6	90.8
77	64.1	50.2	75.2

Instrument :

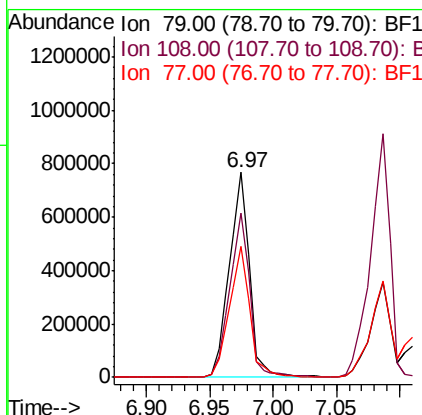
BNA_F

ClientSampleId :

SB-5-(10-12)MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.030 ng

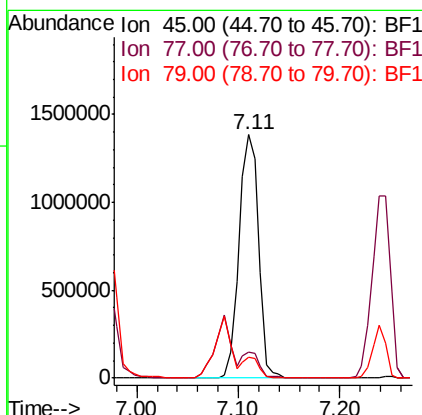
RT: 7.11 min Scan# 854

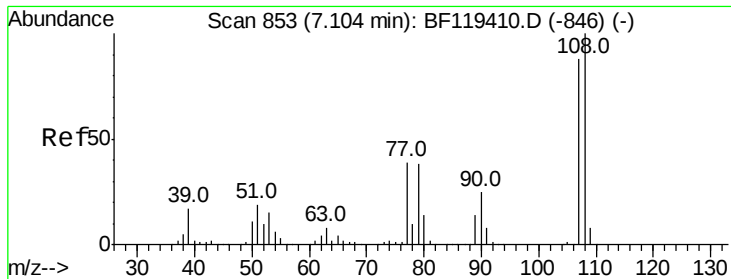
Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	45	Resp:	1846954
Ion Ratio	Lower	Upper	
45	100		
77	10.9	0.0	30.7
79	8.4	0.0	28.2





#17

2-Methylphenol

Concen: 52.558 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

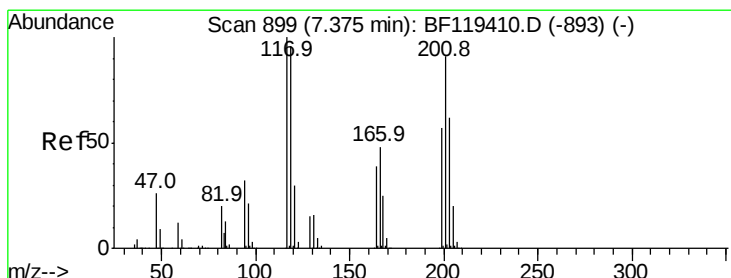
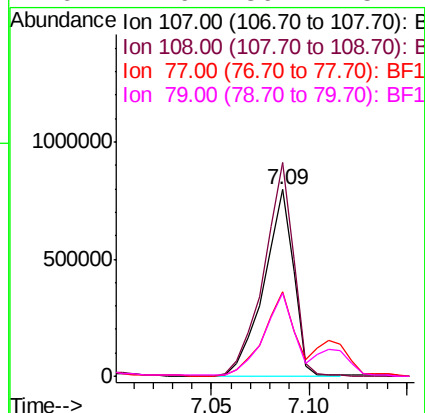
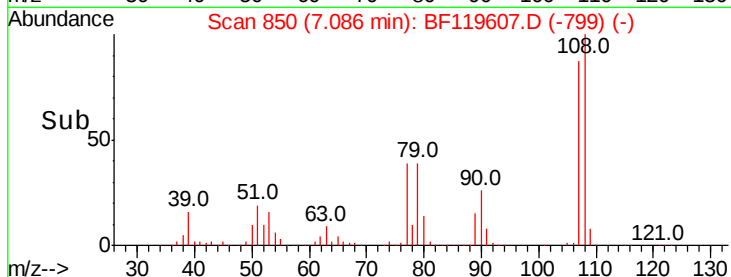
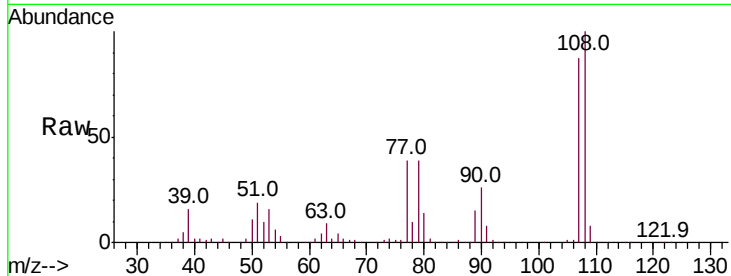
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	832470		
108	114.4	92.2	138.4	
77	45.1	36.6	54.8	
79	44.6	36.2	54.4	

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#18

Hexachloroethane

Concen: 53.662 ng

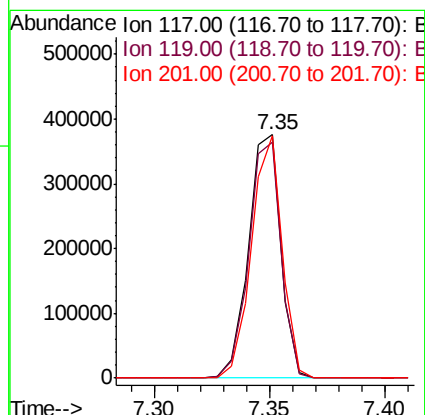
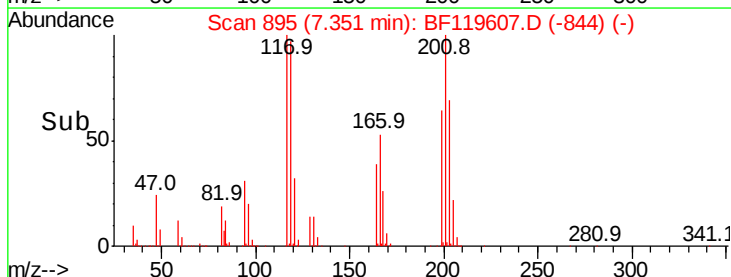
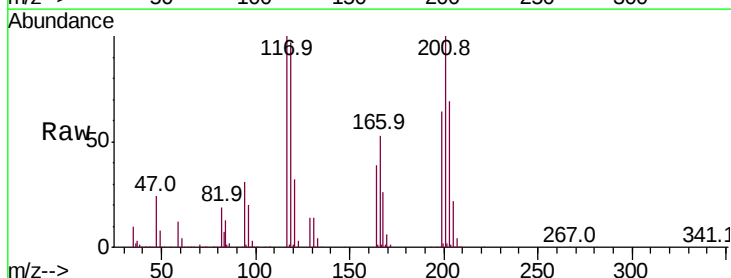
RT: 7.35 min Scan# 895

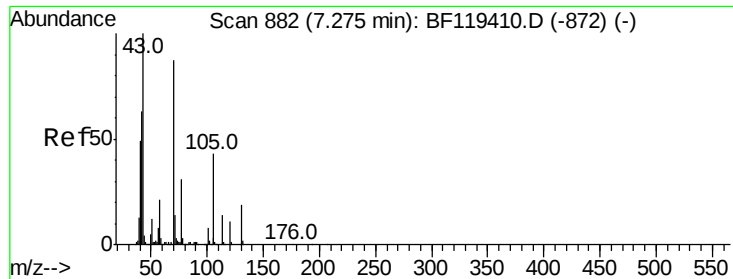
Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	368036		
119	96.9	76.1	114.1	
201	99.6	73.0	109.6	





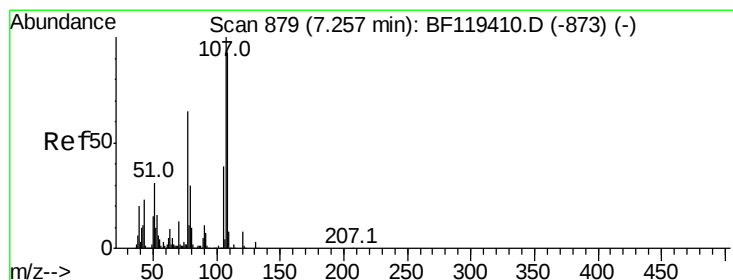
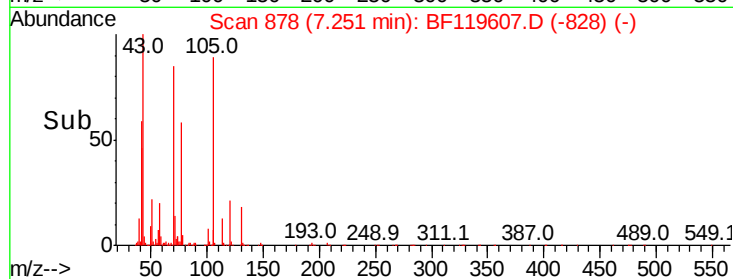
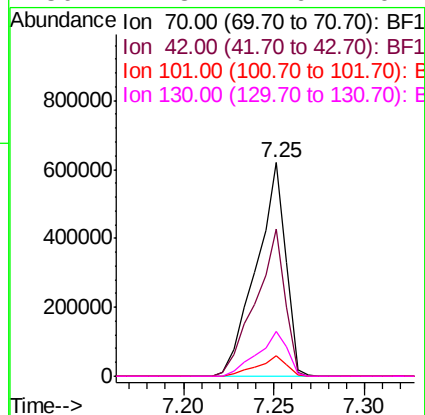
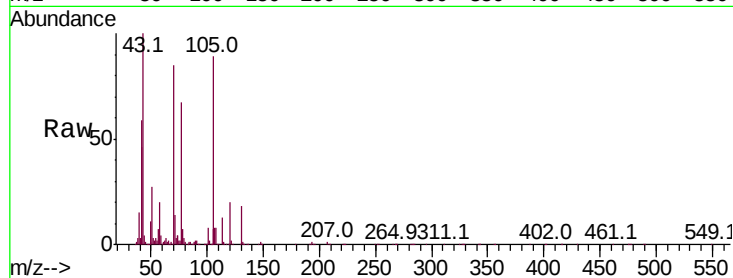
#19
n-Nitroso-di-n-propylamine
Concen: 55.346 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.2	54.5	81.7
101	9.6	7.6	11.4
130	21.3	17.6	26.4

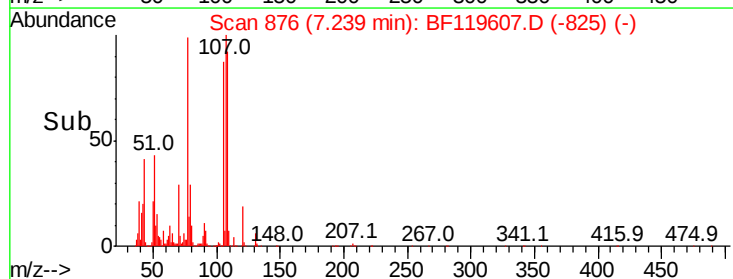
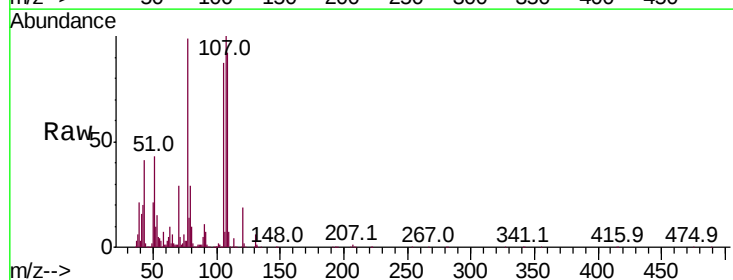
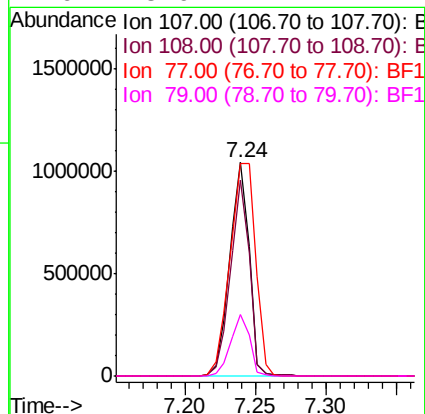
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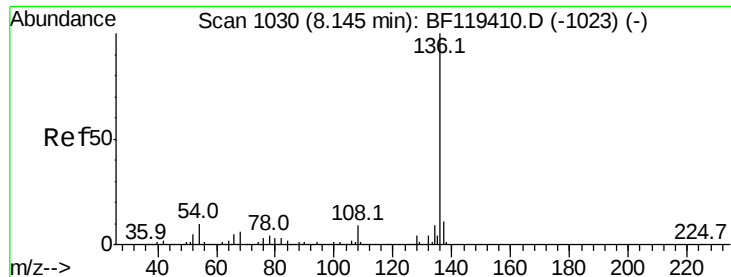
mohammad
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#20
3+4-Methylphenols
Concen: 51.345 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.8	67.9	107.9
77	99.2	52.9	92.9#
79	28.9	7.7	47.7





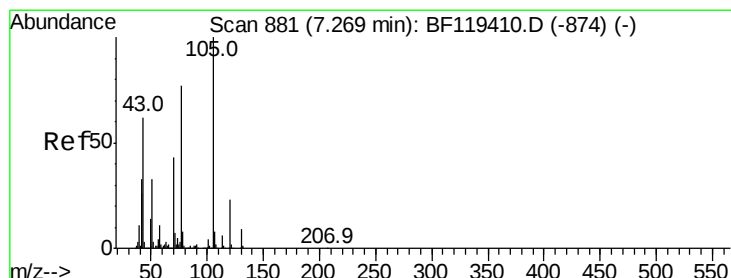
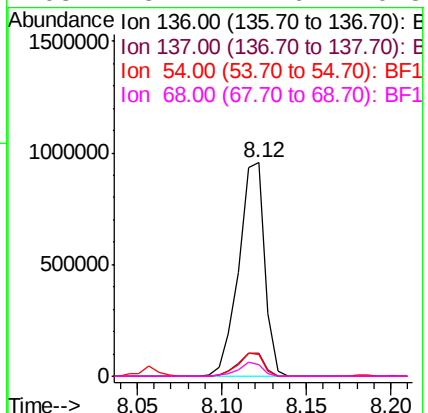
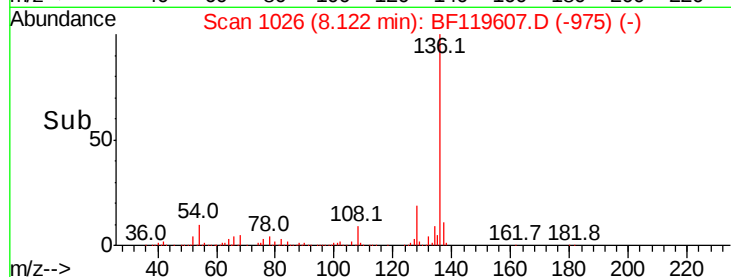
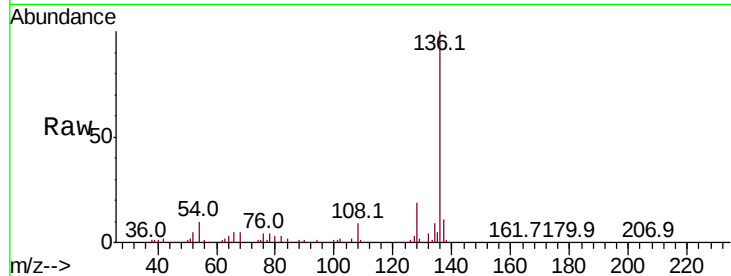
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.3	9.1	13.7
68	5.4	4.6	6.8

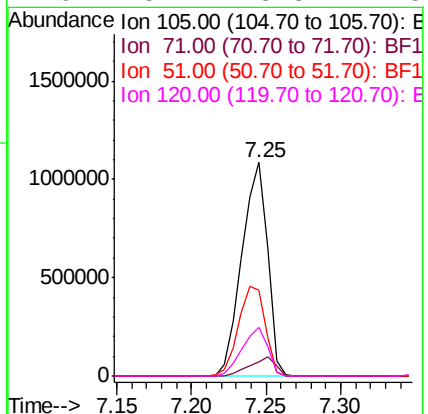
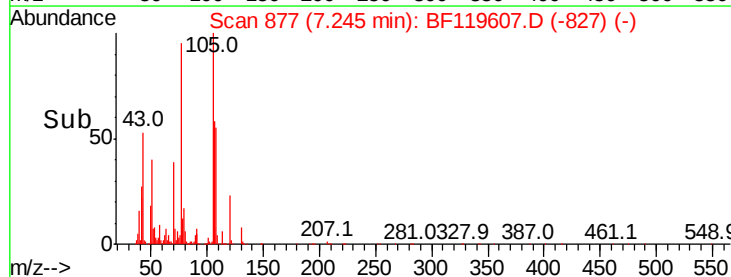
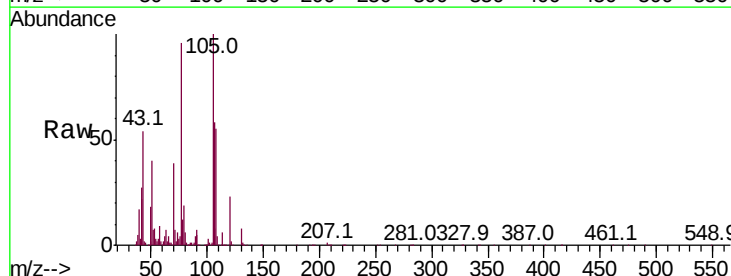
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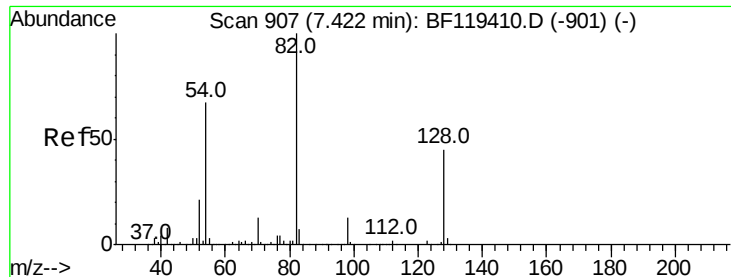
mohammad
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#22
Acetophenone
Concen: 52.979 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.7	8.5
51	40.1	26.2	39.4
120	23.1	18.3	27.5





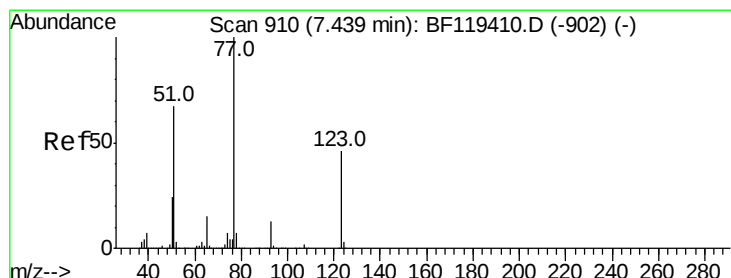
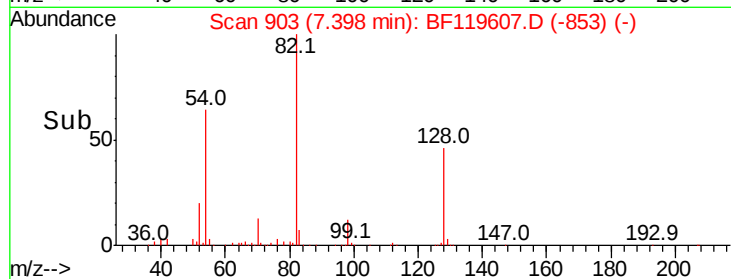
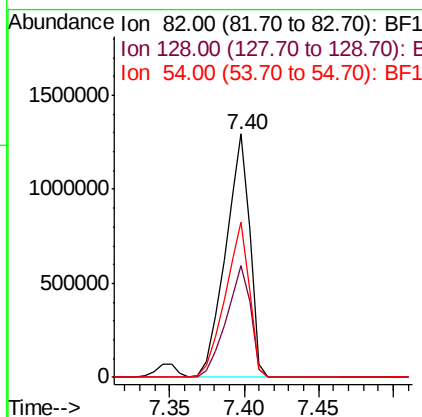
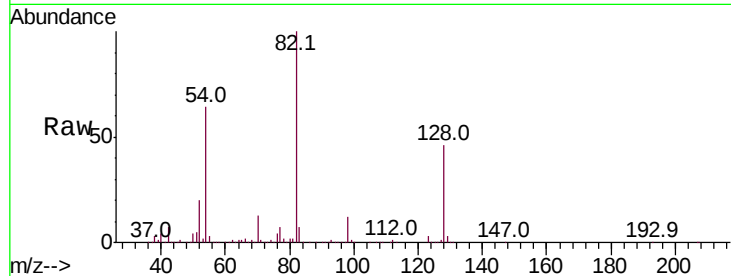
#23
Nitrobenzene-d5
Concen: 78.553 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion: 82 Resp: 1479683
Ion Ratio Lower Upper
82 100
128 46.1 36.3 54.5
54 63.7 50.6 75.8

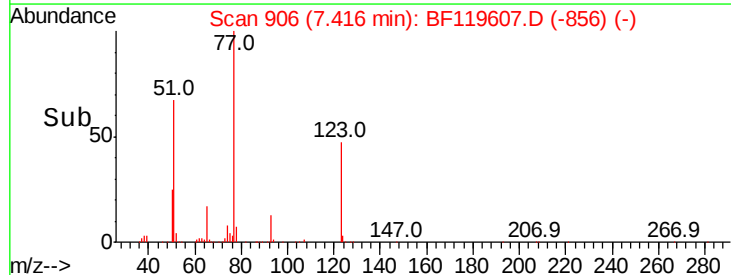
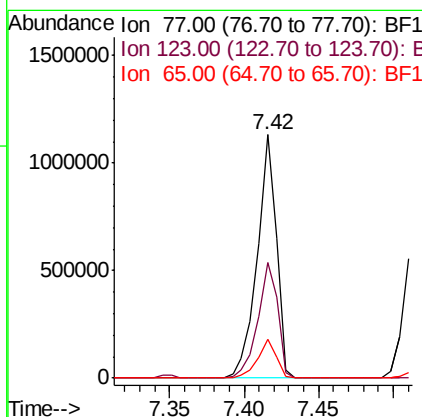
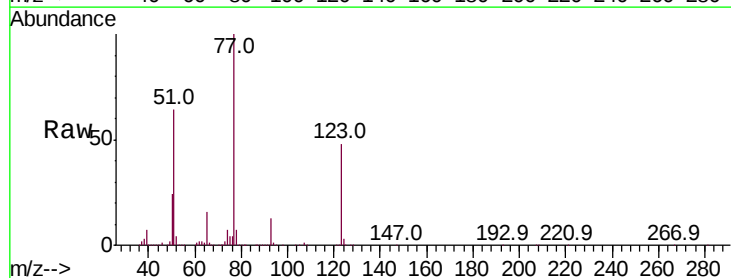
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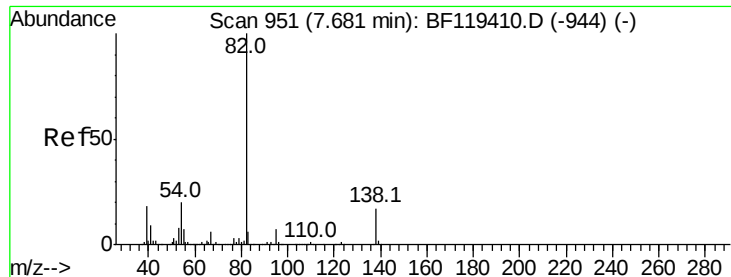
mohammad
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#24
Nitrobenzene
Concen: 49.604 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion: 77 Resp: 998559
Ion Ratio Lower Upper
77 100
123 47.6 38.0 57.0
65 15.8 12.6 18.8





#25

Isophorone

Concen: 48.666 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

ClientSampleId :

SB-5-(10-12)MSD

Tot Ion: 82 Resp: 1859567

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

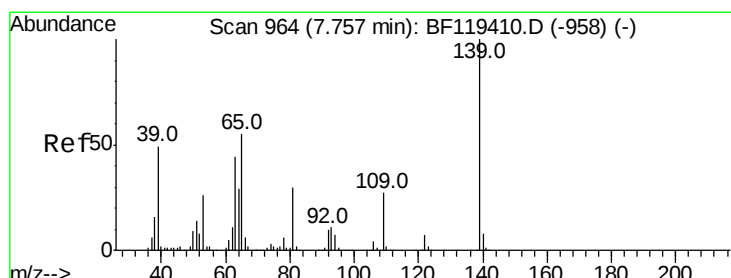
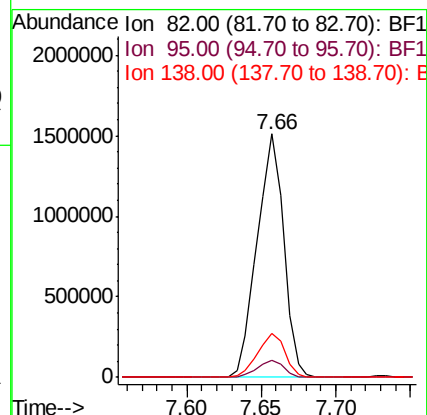
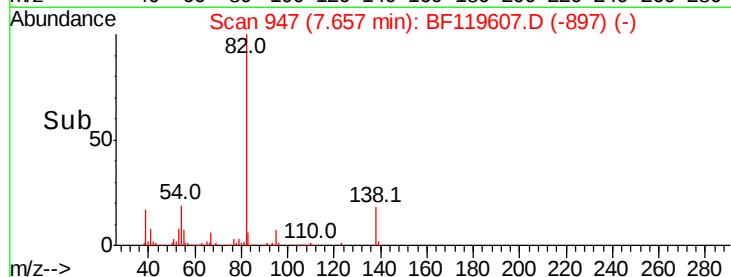
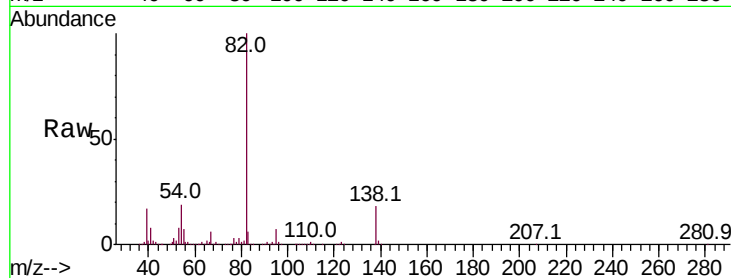
138 17.8 14.6 21.8

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#26

2-Nitrophenol

Concen: 67.030 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

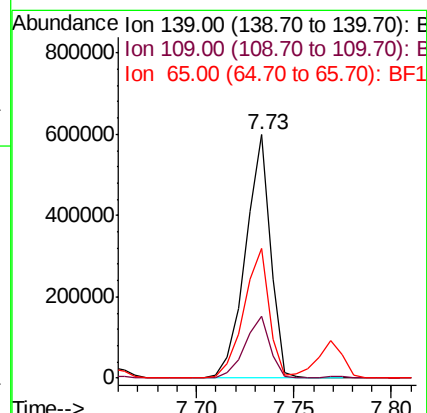
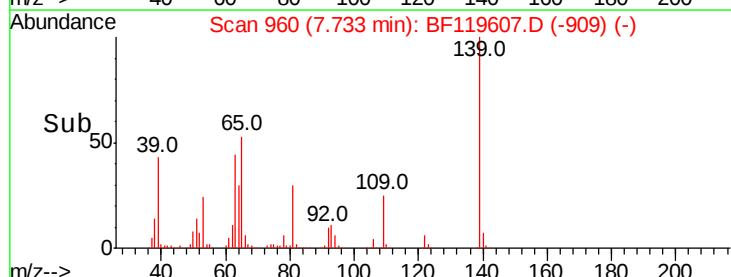
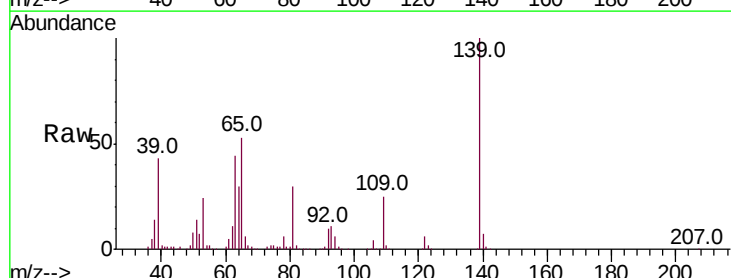
Tgt Ion: 139 Resp: 531291

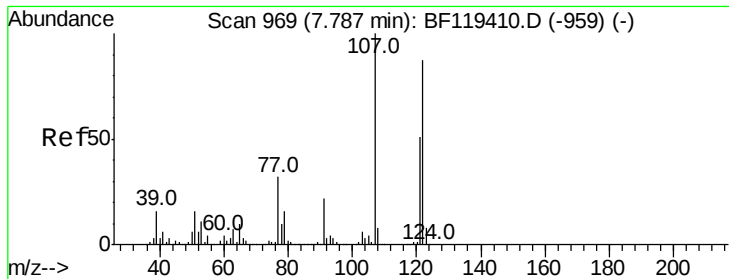
Ion Ratio Lower Upper

139 100

109 25.2 22.1 33.1

65 53.5 49.2 73.8





#27

2,4-Dimethylphenol

Concen: 49.877 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

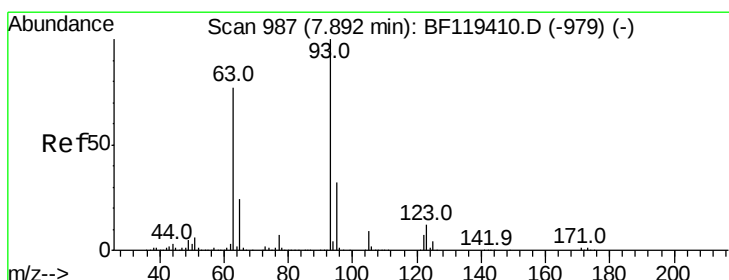
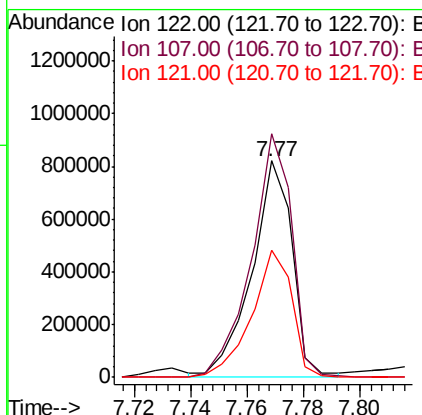
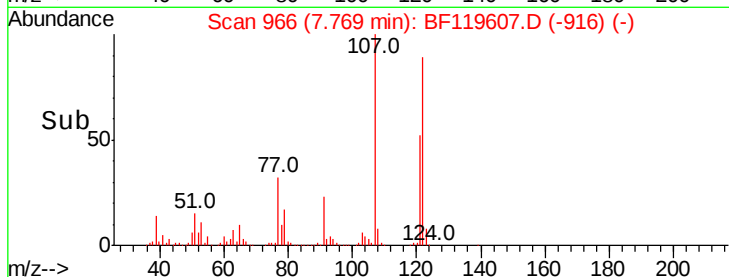
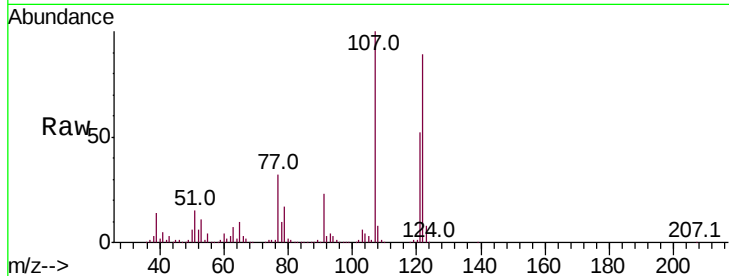
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	122	Resp:	817456
Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.0	133.6
121	58.6	46.7	70.1

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#28

bis(2-Chloroethoxy)methane

Concen: 51.989 ng

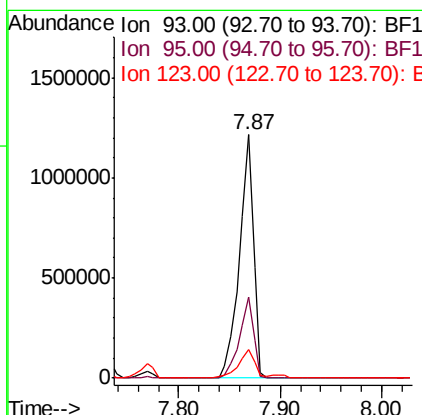
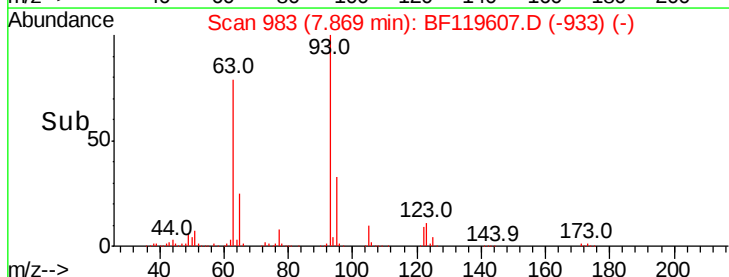
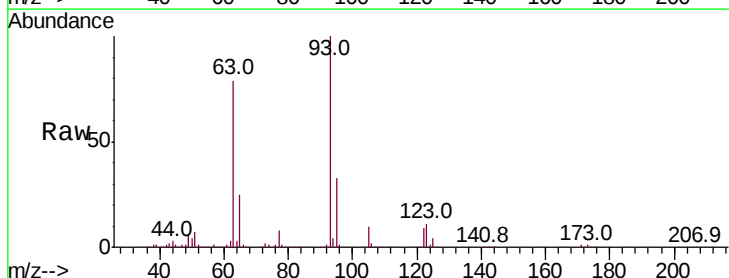
RT: 7.87 min Scan# 983

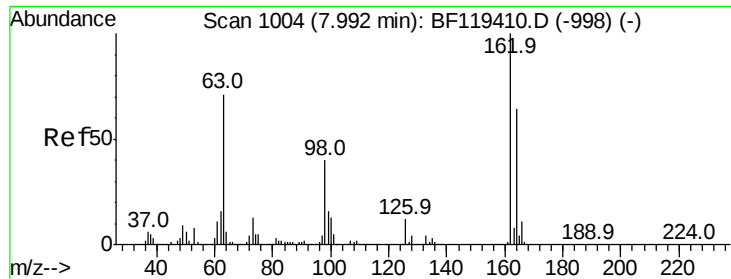
Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	93	Resp:	1174701
Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.3	39.5
123	11.5	9.7	14.5





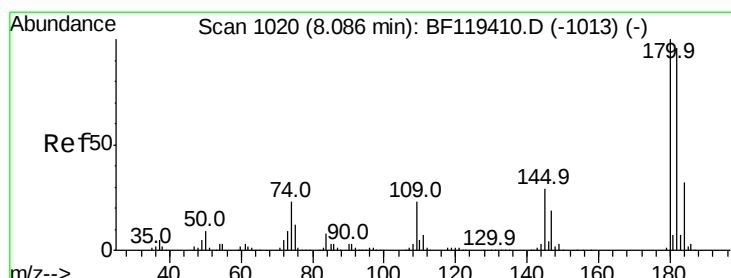
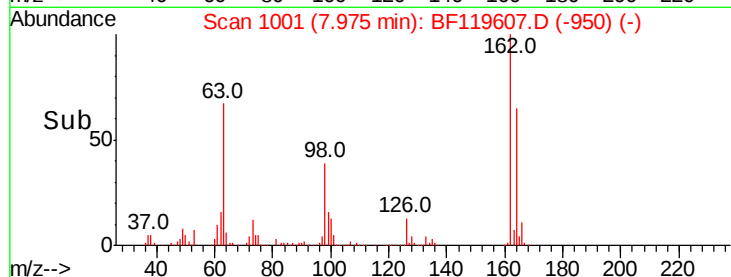
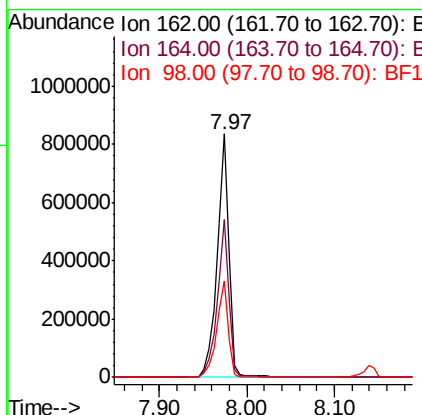
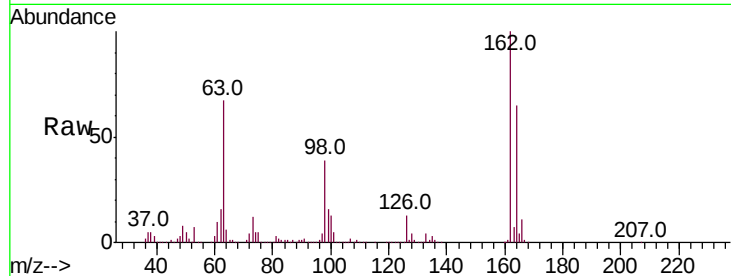
#29
2,4-Dichlorophenol
Concen: 51.936 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.7	84.7
98	39.3	20.7	60.7

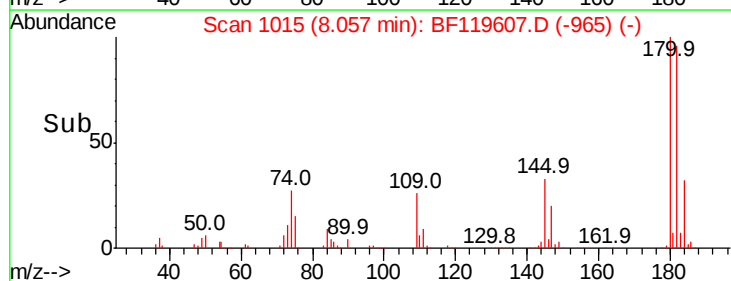
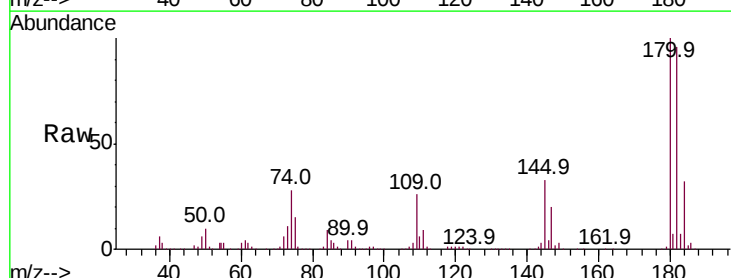
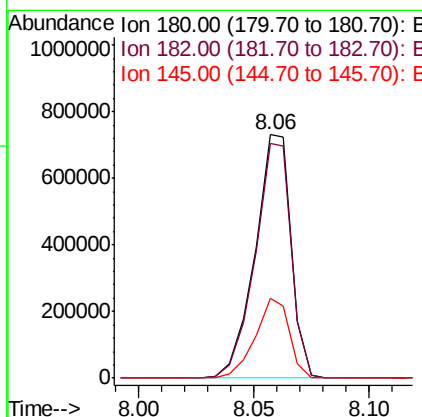
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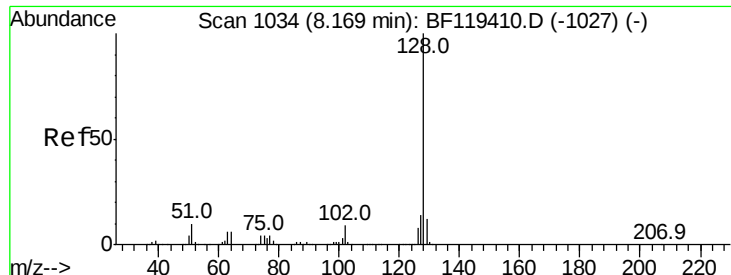
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#30
1,2,4-Trichlorobenzene
Concen: 47.729 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.7	112.1
145	32.7	24.5	36.7





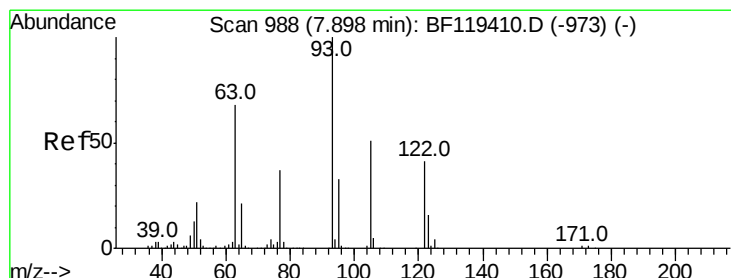
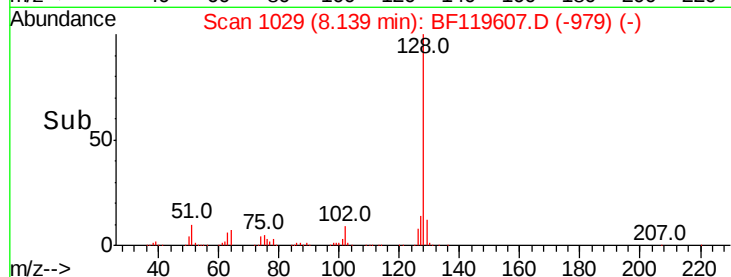
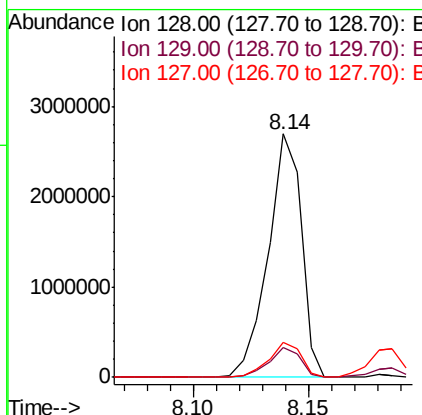
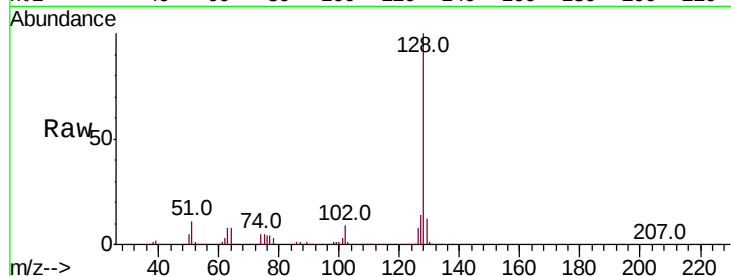
#31
Naphthalene
Concen: 51.104 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.5	14.3
127	14.2	11.3	16.9

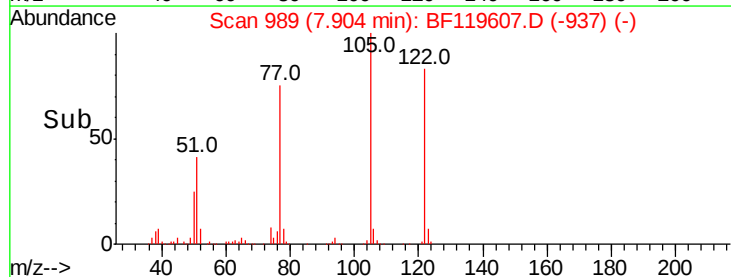
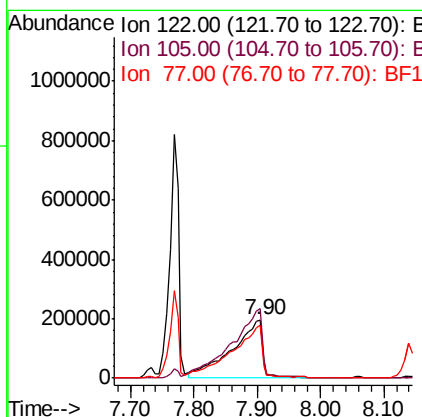
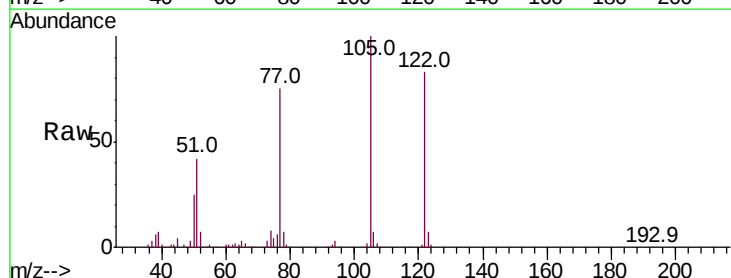
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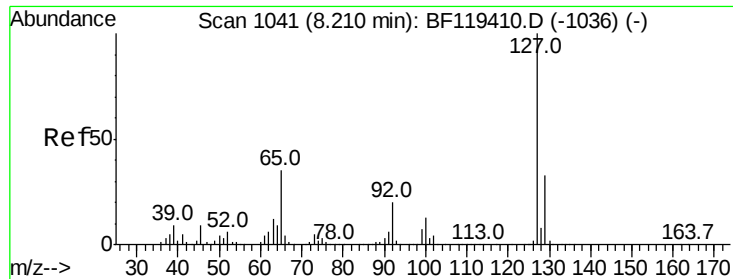
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#32
Benzoic acid
Concen: 62.333 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.9	104.9	144.9
77	90.3	74.4	114.4





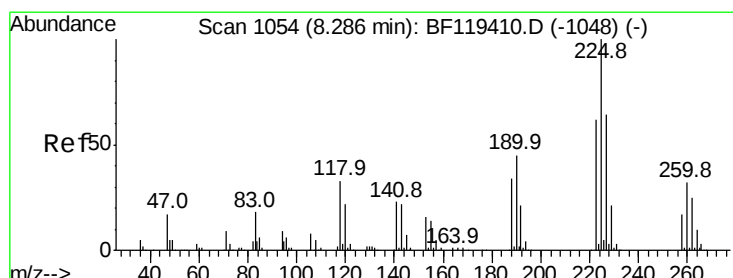
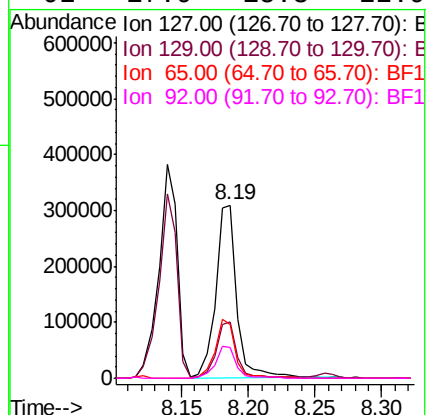
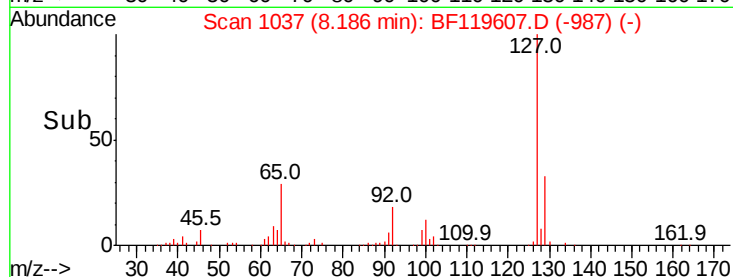
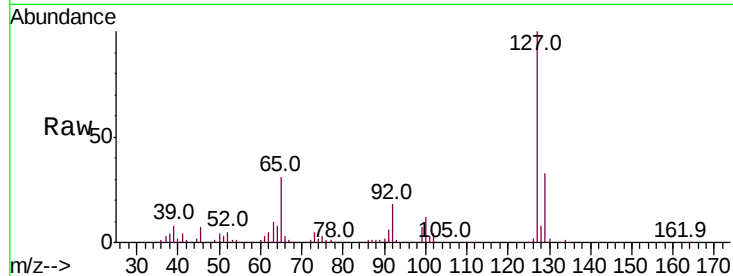
#33
4-Chloroaniline
Concen: 14.137 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	26.2	39.4	
65	31.0	27.4	41.0	
92	17.9	15.3	22.9	

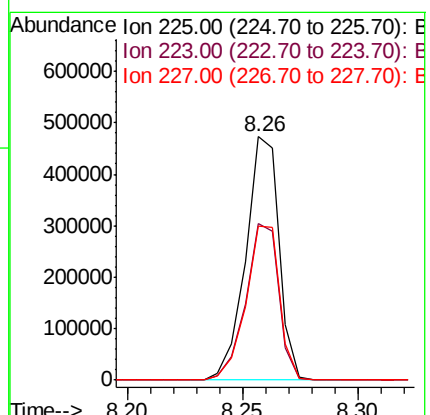
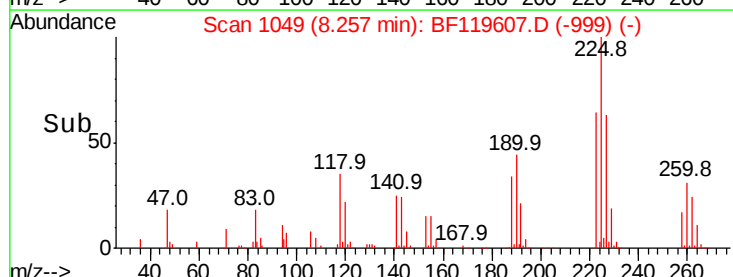
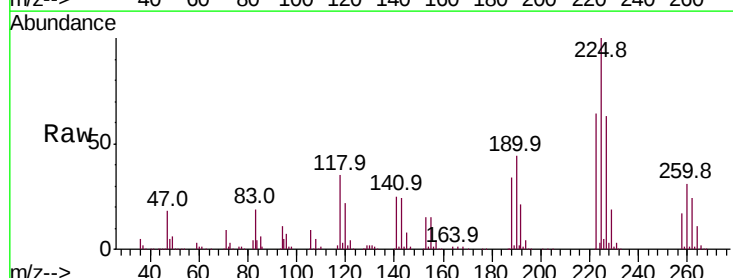
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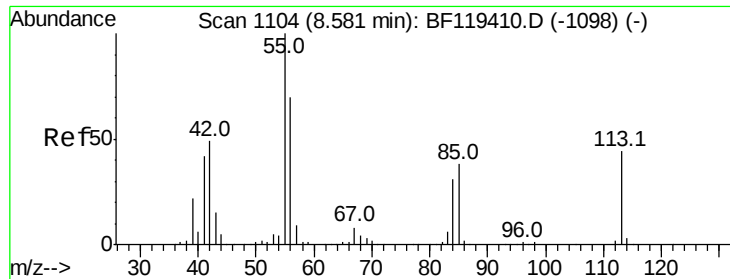
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#34
Hexachlorobutadiene
Concen: 51.173 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	51.0	76.6	
227	63.1	50.7	76.1	





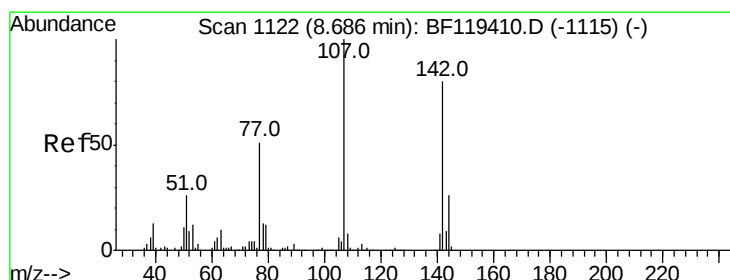
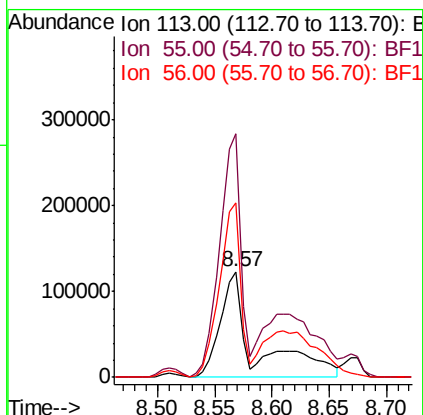
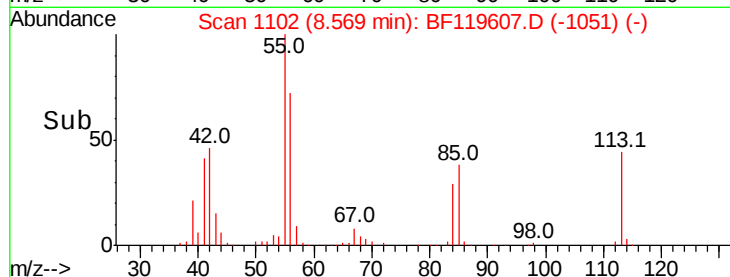
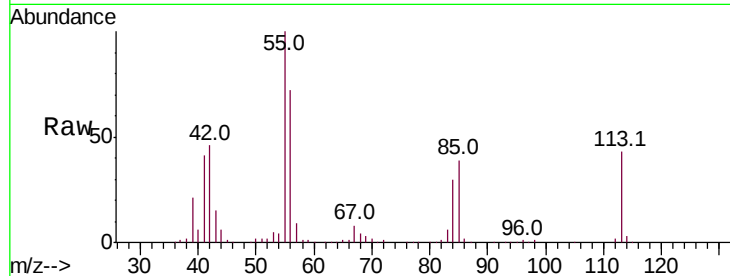
#35
Caprolactam
Concen: 53.004 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	230.1	218.4	258.4
56	164.7	148.9	188.9

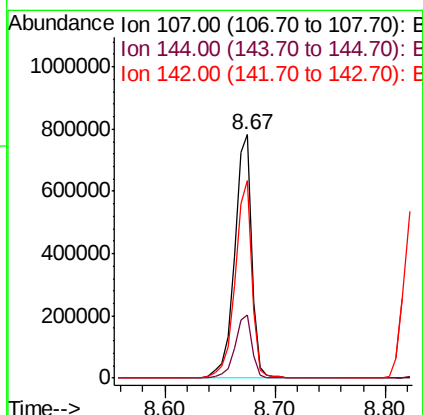
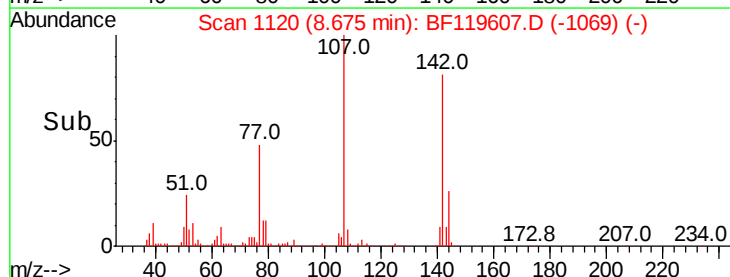
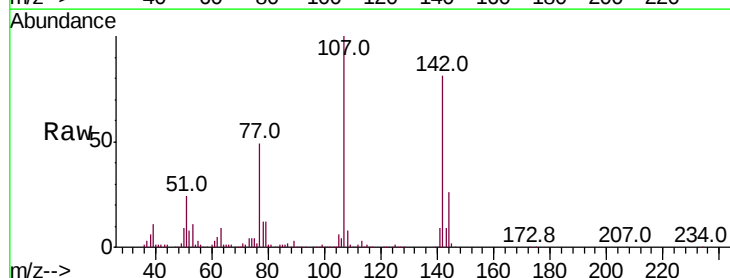
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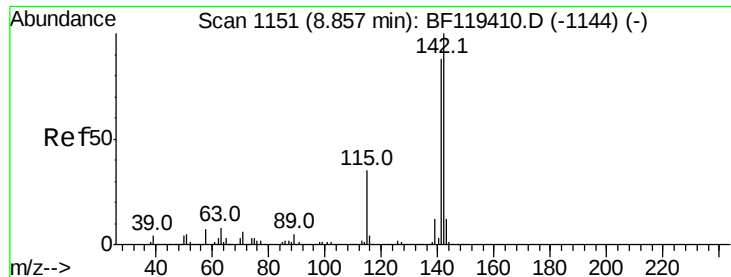
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 51.956 ng/ml
RT: 8.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.6
142	80.9	64.4	96.6





#37

2-Methylnaphthalene

Concen: 51.674 ng

RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF119607.D

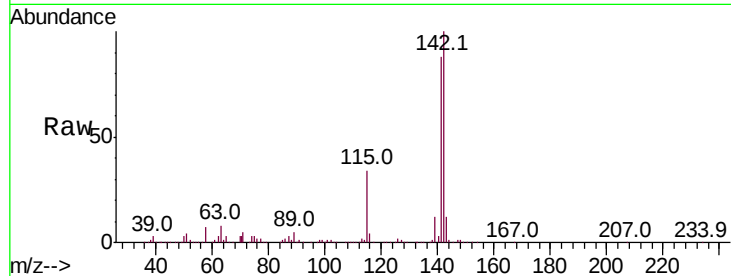
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	33.8	27.9	41.9

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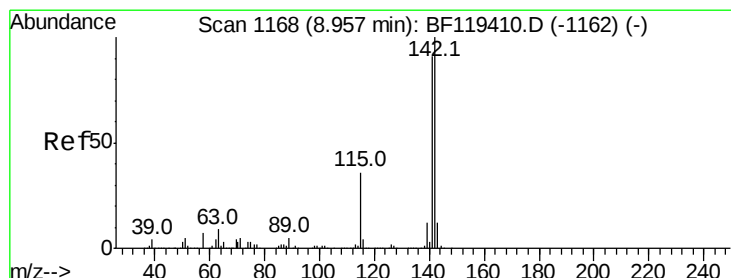
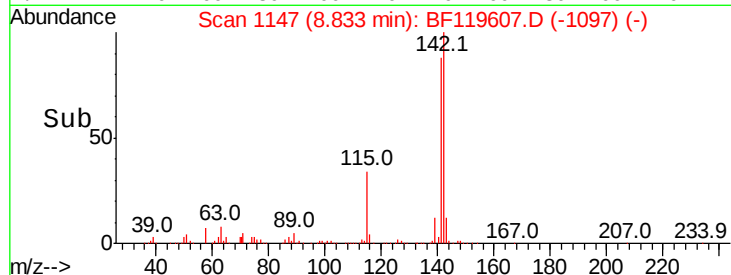
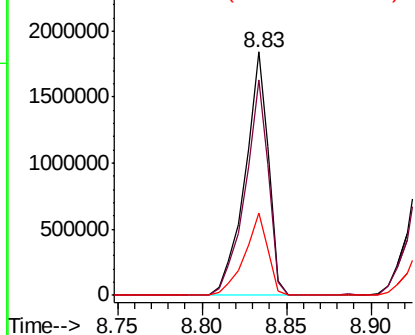


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 51.316 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

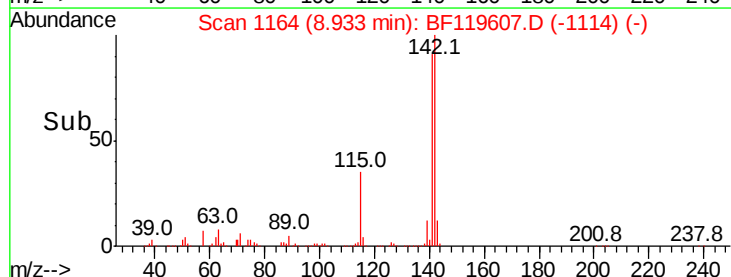
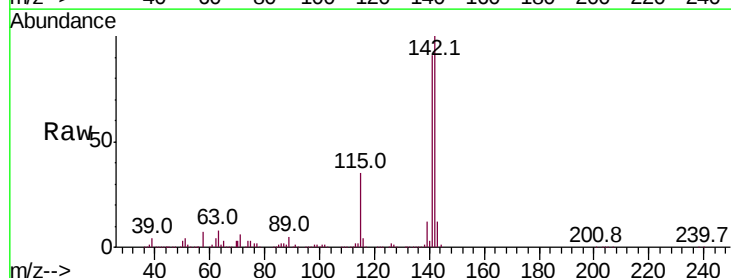
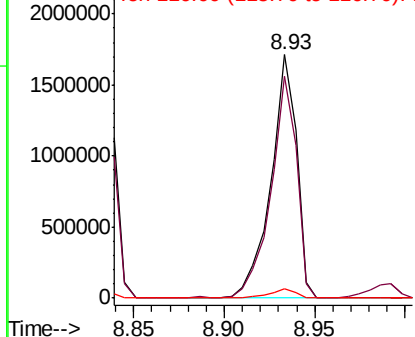
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.7	110.5
116	3.7	3.0	4.6

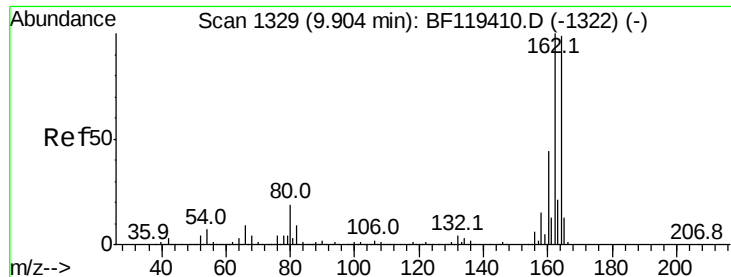
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





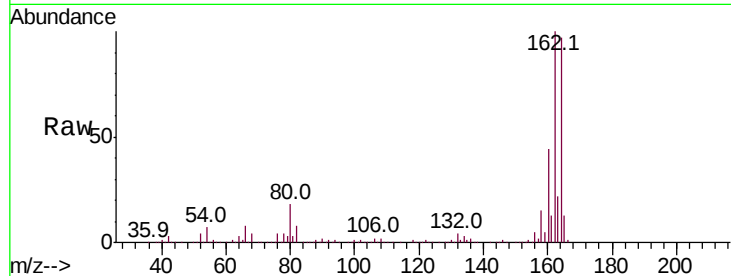
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.6	121.0
160	45.6	35.7	53.5

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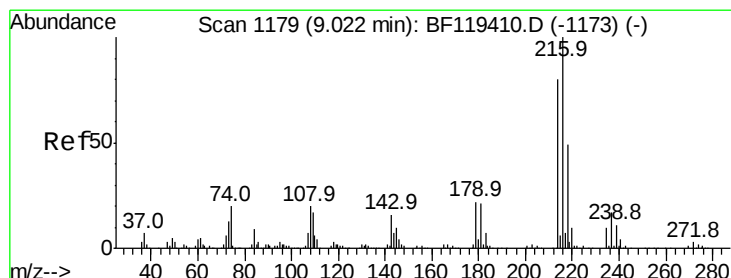
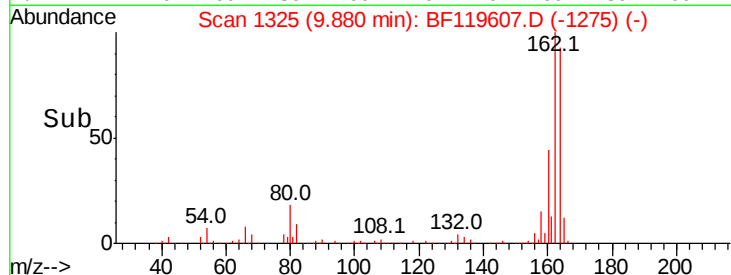
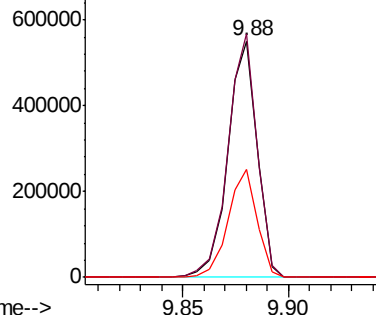


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.339 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.2	94.8
179	21.3	17.1	25.7
108	19.9	15.1	22.7

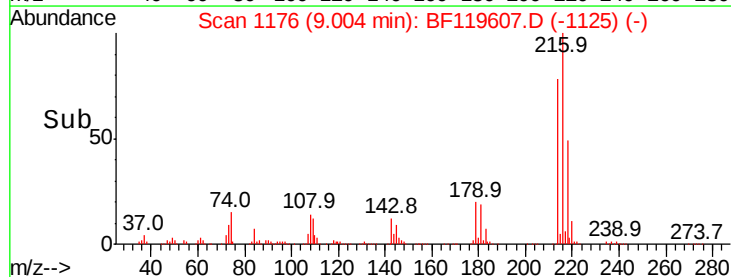
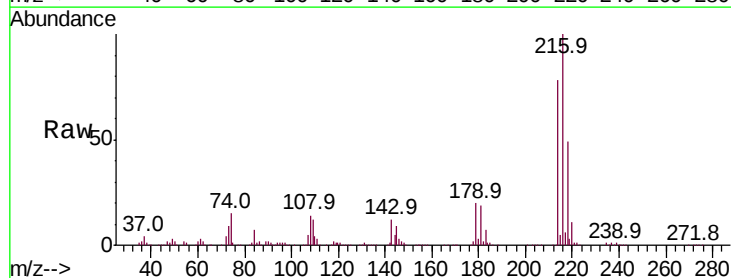
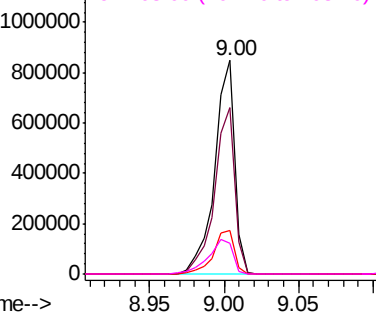
Abundance

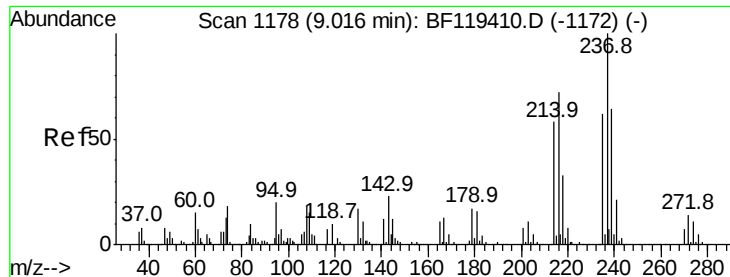
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 99.280 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

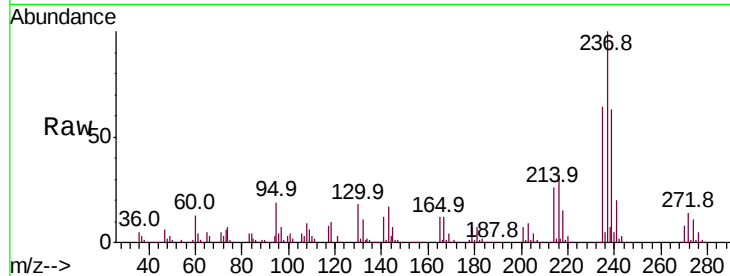
ClientSampleId :

SB-5-(10-12)MSD

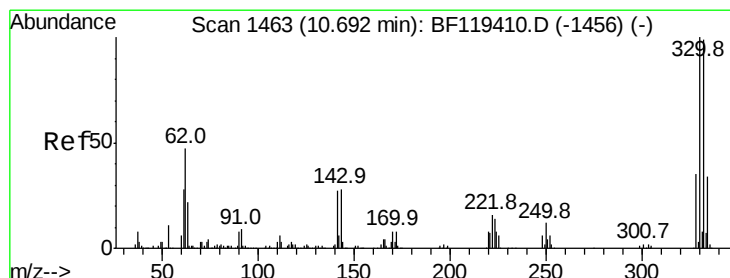
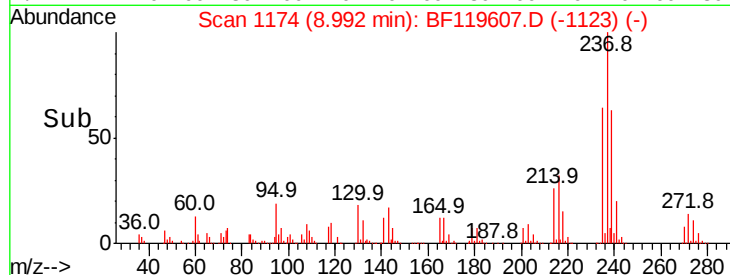
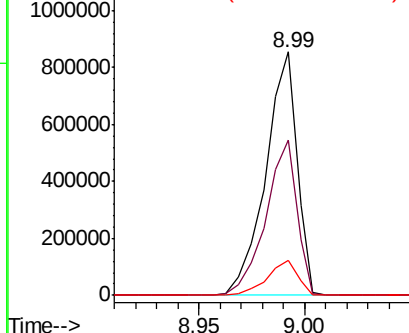
Tot Ion:	237	Resp:	883121
Ion Ratio	Lower	Upper	
237	100		
235	63.6	43.2	83.2
272	14.1	0.0	34.1

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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: 121.133 ng

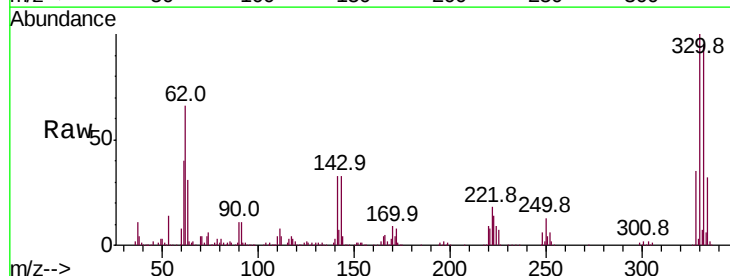
RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

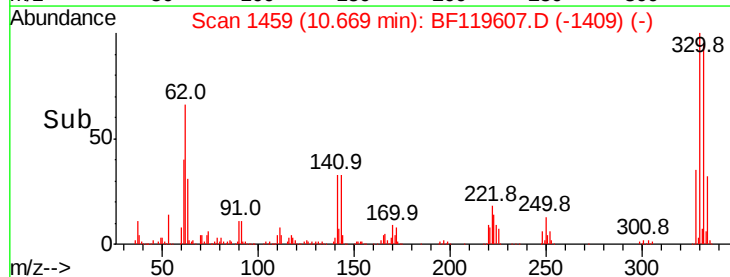
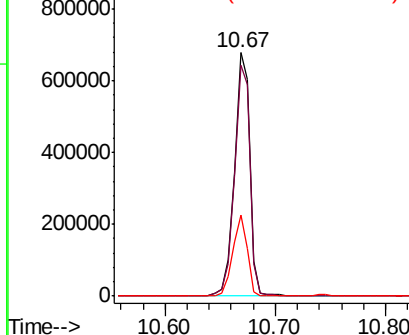
Lab File: BF119607.D

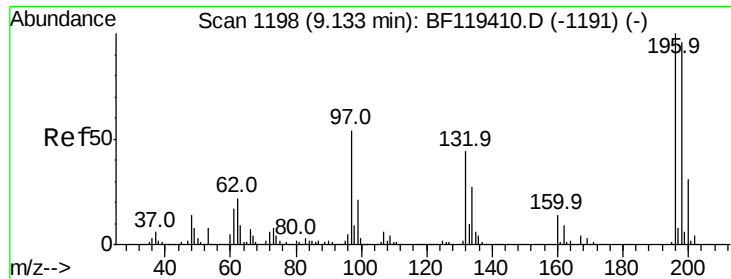
Acq: 28 Mar 2020 10:01

Tgt Ion:	330	Resp:	667098
Ion Ratio	Lower	Upper	
330	100		
332	95.7	75.7	113.5
141	31.7	25.4	38.0



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





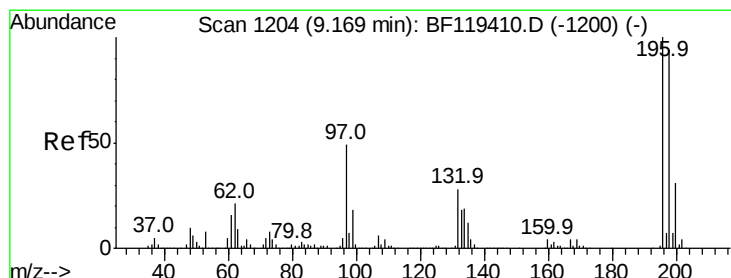
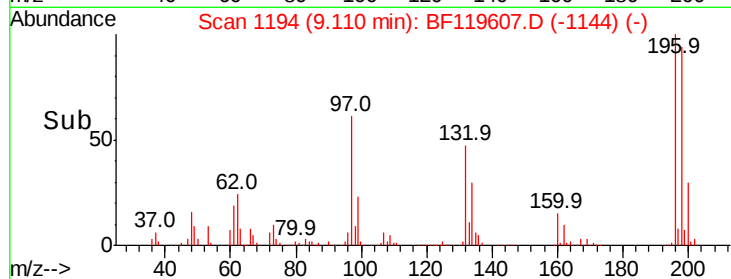
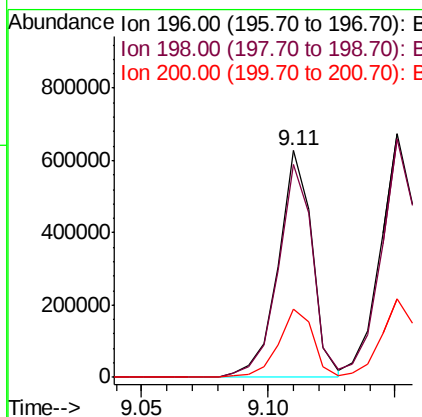
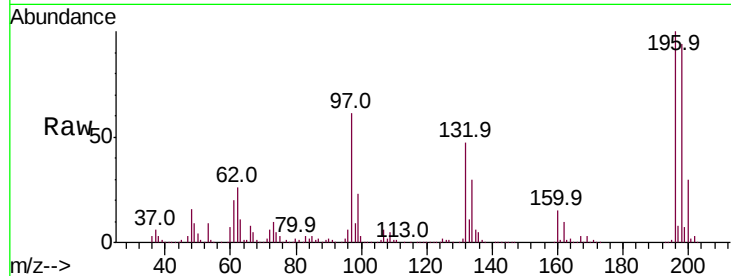
#43
 2,4,6-Trichlorophenol
 Concen: 51.844 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	580501		
198	94.0	76.6	115.0	
200	30.1	24.6	36.8	

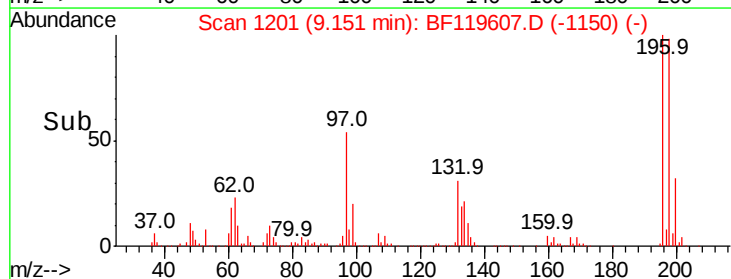
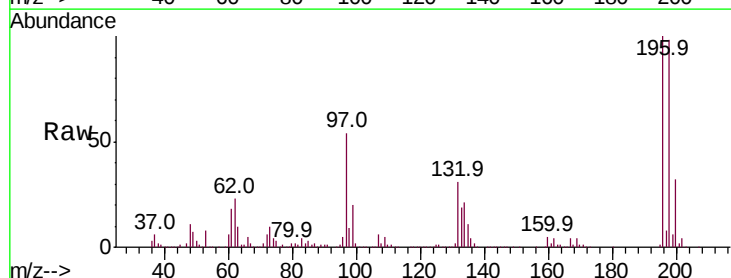
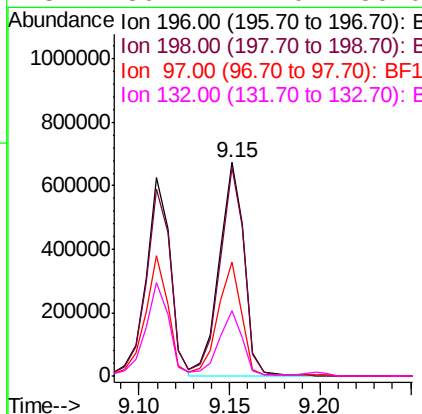
Manual Integrations
 APPROVED

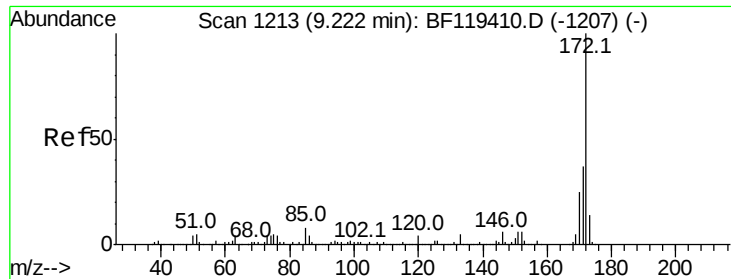
mohammad
 3/31/2020 8:14:15 AM



#44
 2,4,5-Trichlorophenol
 Concen: 50.926 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	638783		
198	97.9	73.8	110.8	
97	53.5	42.6	63.8	
132	30.7	24.0	36.0	





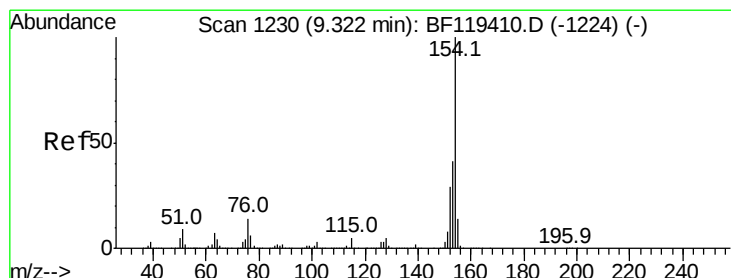
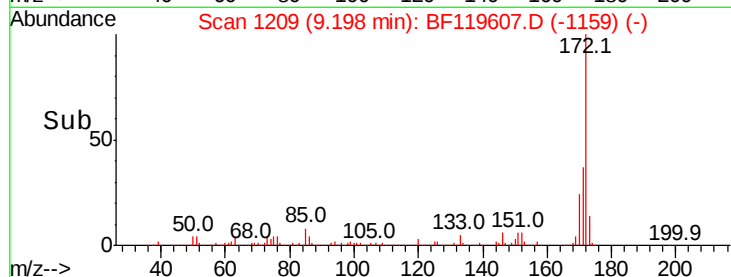
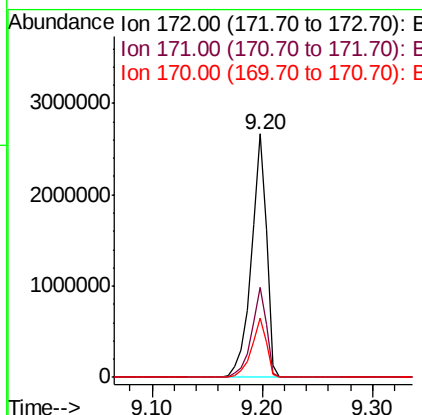
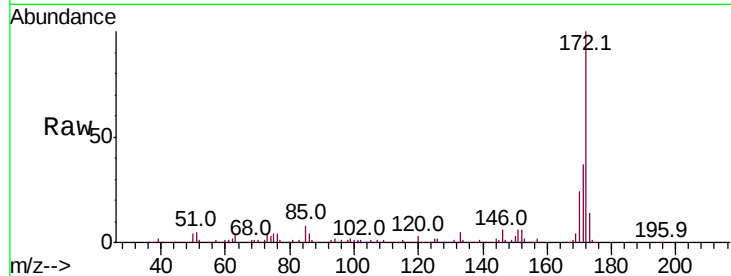
#45
2-Fluorobiphenyl
Concen: 71.320 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.4	20.2	30.2

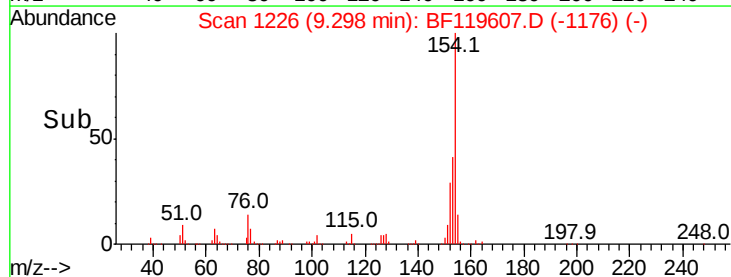
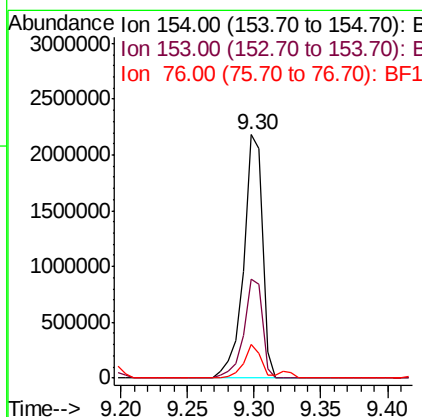
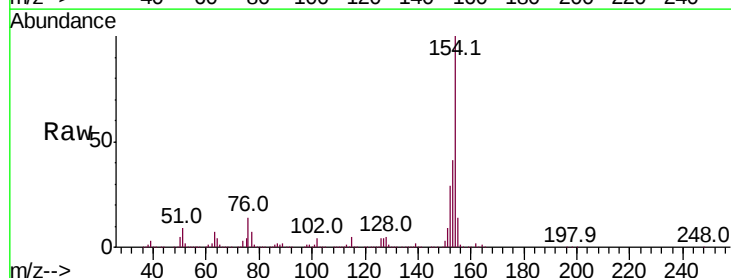
Manual Integrations
APPROVED

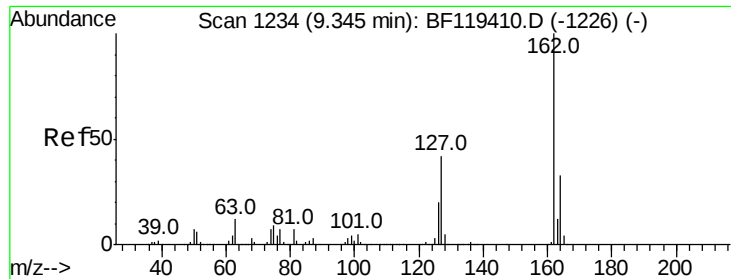
mohammad
3/31/2020 8:14:15 AM



#46
1,1'-Biphenyl
Concen: 48.723 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.4	61.4
76	14.1	0.0	33.0





#47

2-Chloronaphthalene

Concen: 51.562 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:162 Resp: 1755984

Ion Ratio Lower Upper

162 100

127 39.7 33.7 50.5

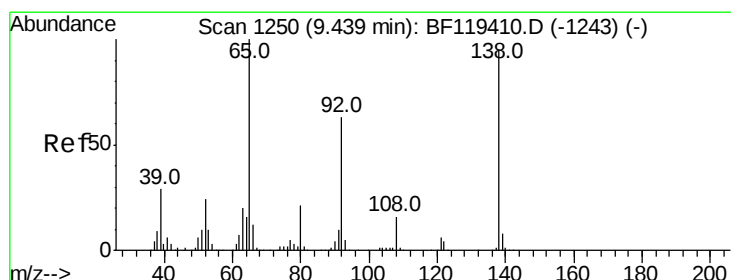
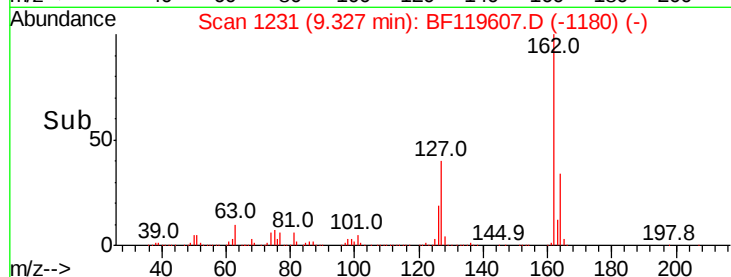
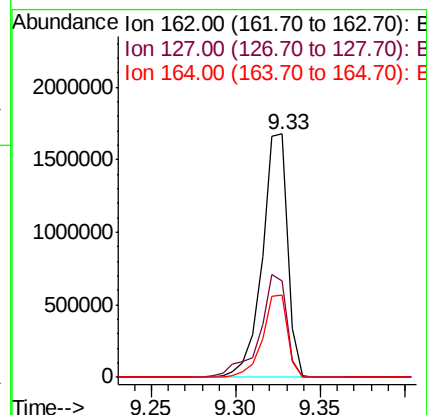
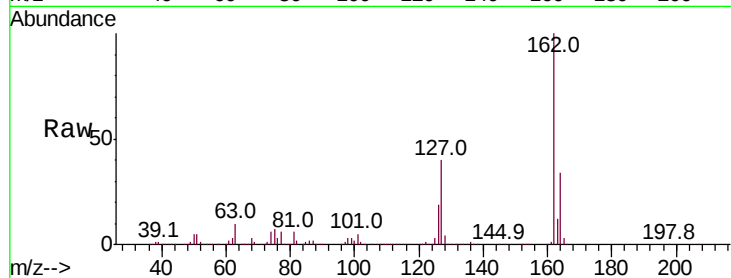
164 33.6 26.3 39.5

Manual Integrations

APPROVED

mohammad

3/31/2020 8:14:15 AM



#48

2-Nitroaniline

Concen: 52.772 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

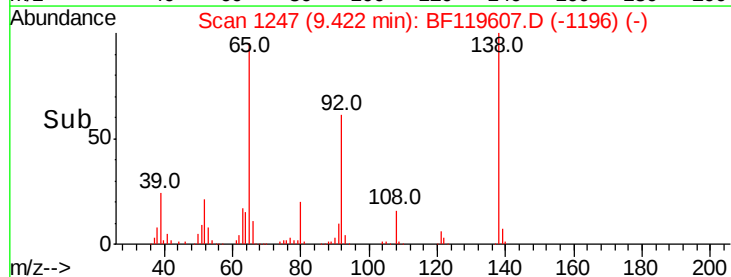
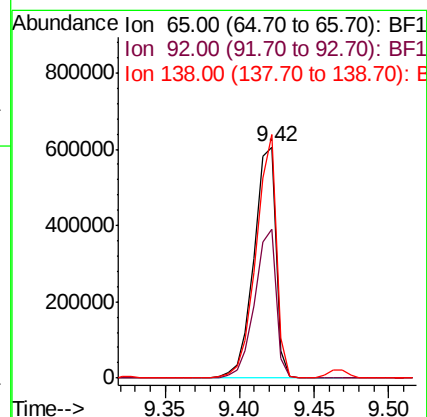
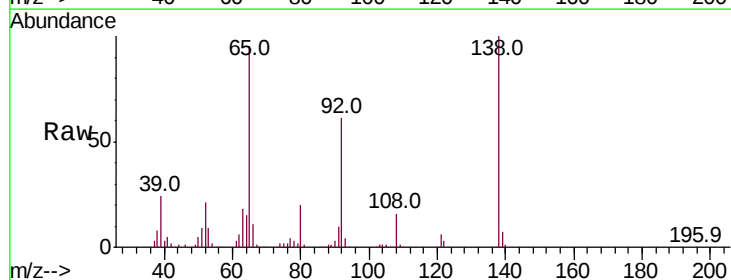
Tgt Ion: 65 Resp: 620324

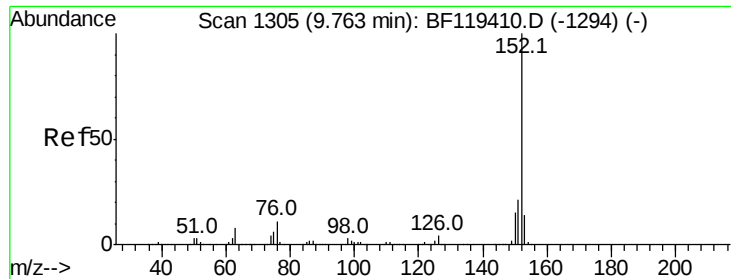
Ion Ratio Lower Upper

65 100

92 64.2 50.0 75.0

138 105.4 75.0 112.4





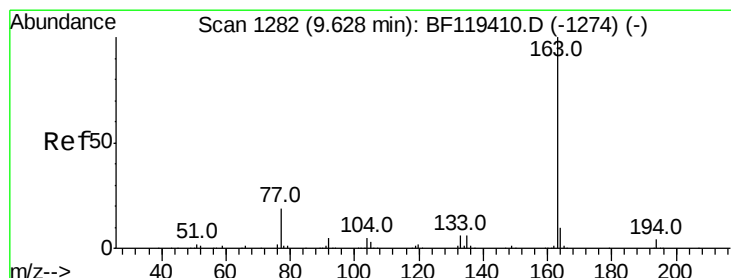
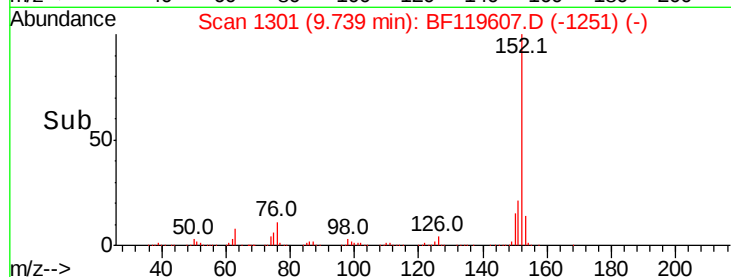
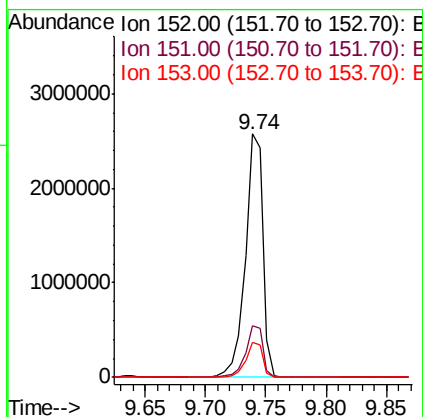
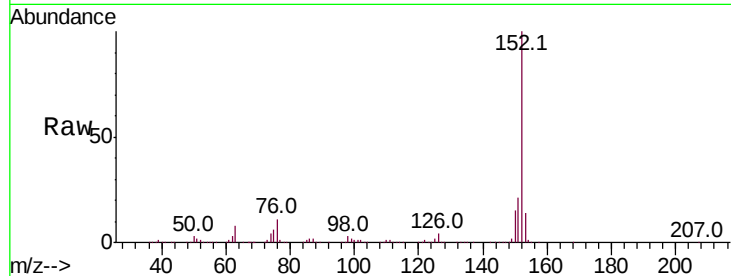
#49
Acenaphthylene
Concen: 48.645 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.2	25.8
153	14.2	11.2	16.8

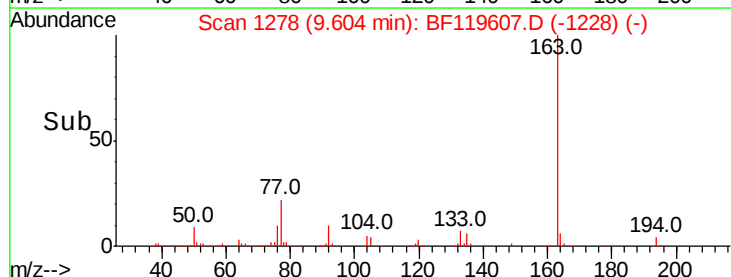
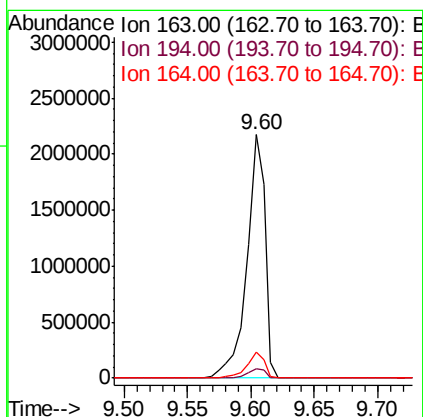
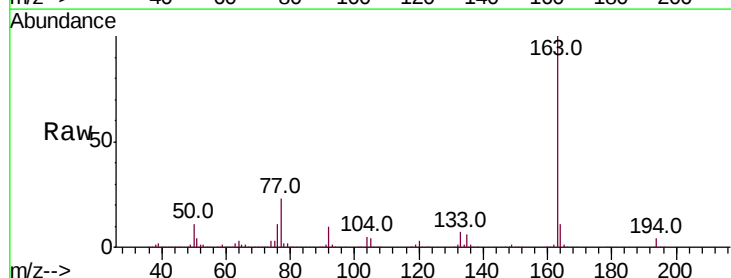
Manual Integrations
APPROVED

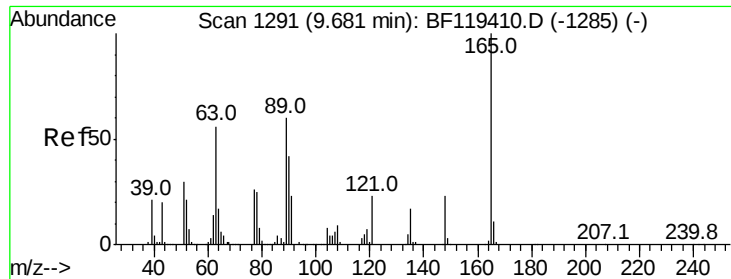
mohammad
3/31/2020 8:14:15 AM



#50
Dimethylphthalate
Concen: 57.133 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.7	8.2	12.2





#51

2,6-Dinitrotoluene

Concen: 55.436 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

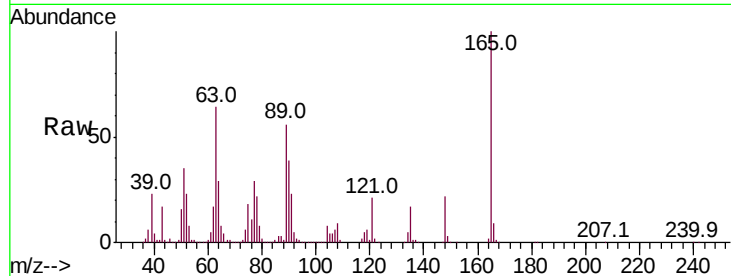
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	165	Resp:	450542
Ion Ratio	Lower	Upper	
165	100		
63	64.1	45.0	67.4
89	56.2	41.5	62.3

Manual Integrations
APPROVED

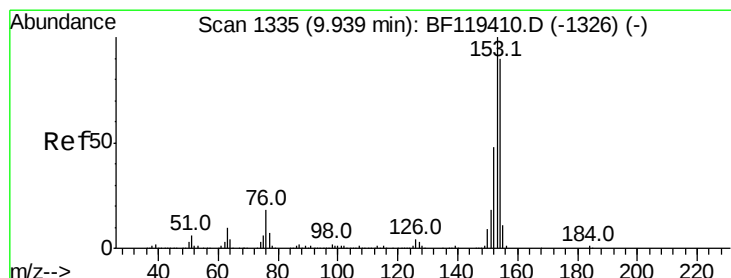
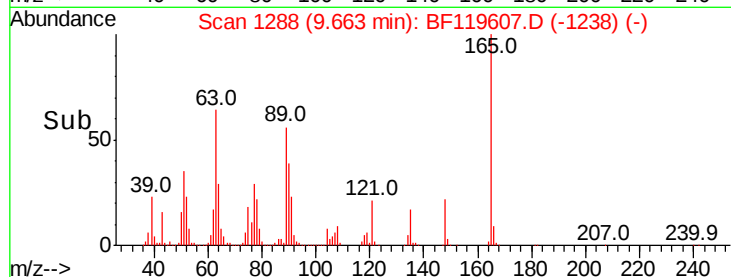
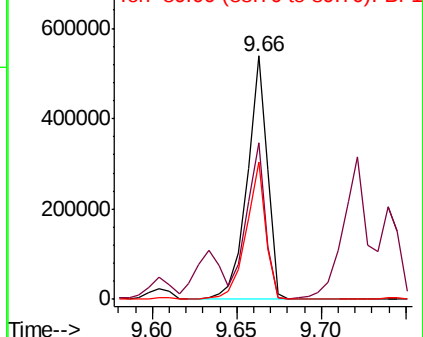
mohammad
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 53.222 ng

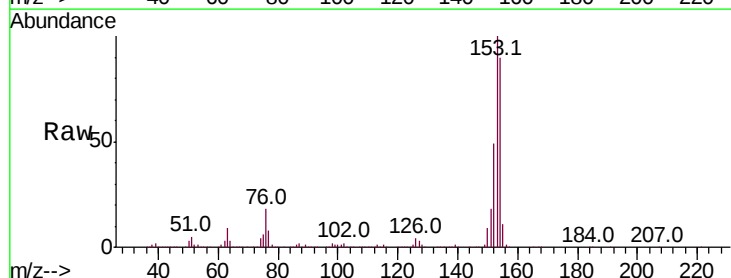
RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

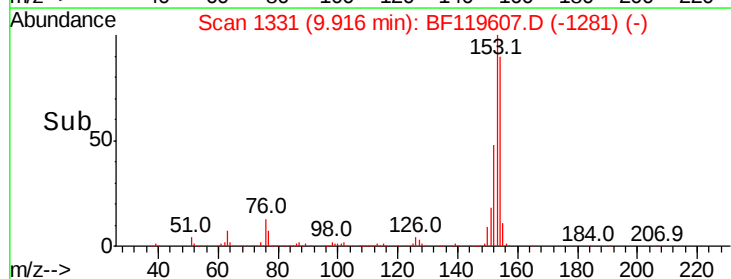
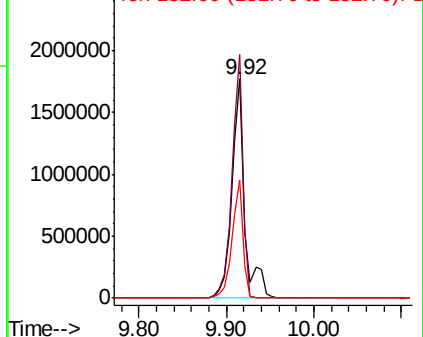
Tgt Ion:	154	Resp:	1774423
Ion Ratio	Lower	Upper	
154	100		
153	111.1	88.1	132.1
152	54.0	43.0	64.4

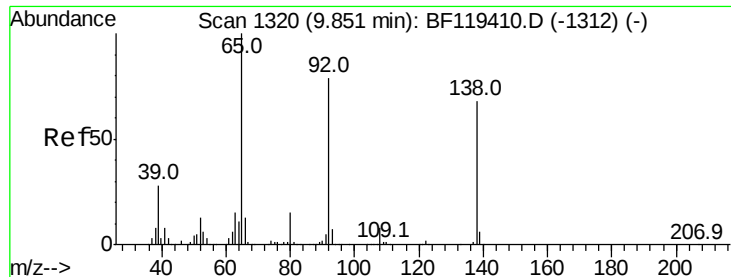


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





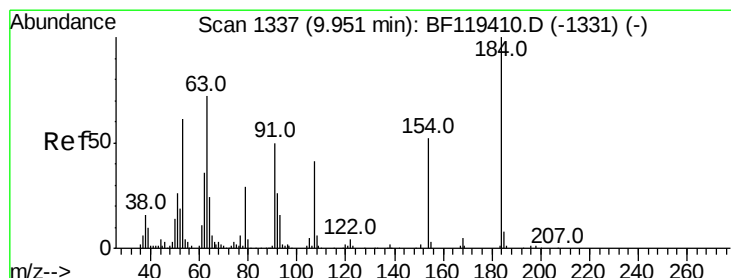
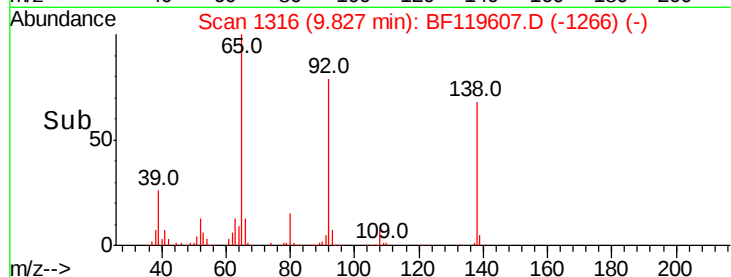
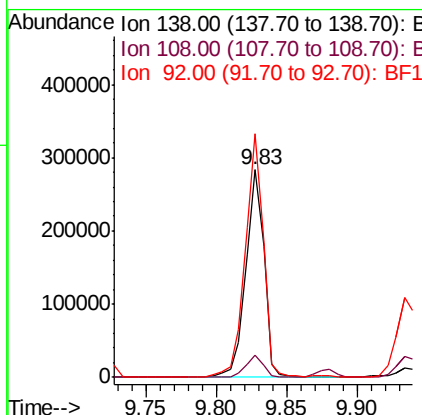
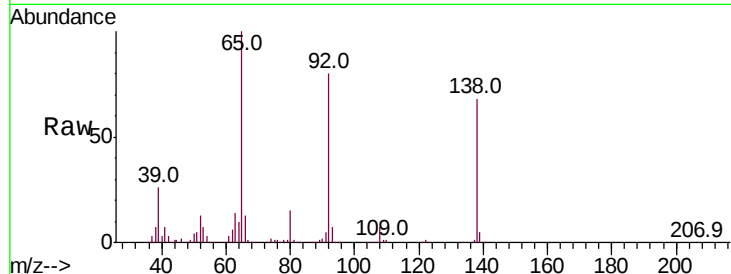
#53
 3-Nitroaniline
 Concen: 25.051 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	13.0
92	117.4	95.4	143.0

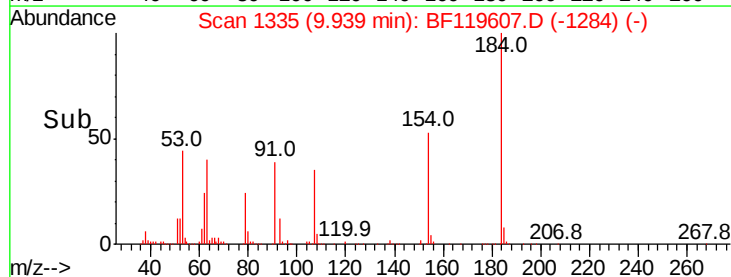
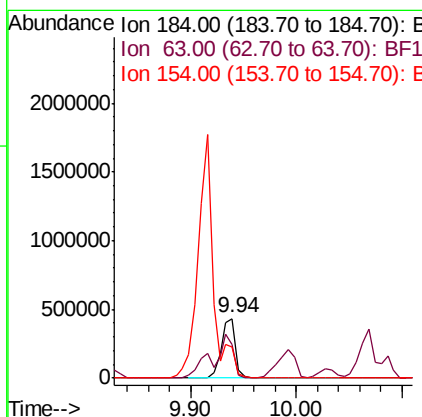
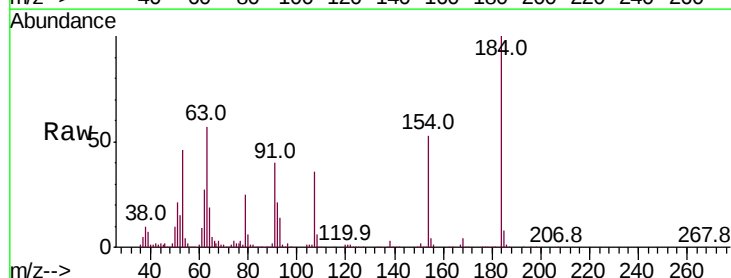
Manual Integrations
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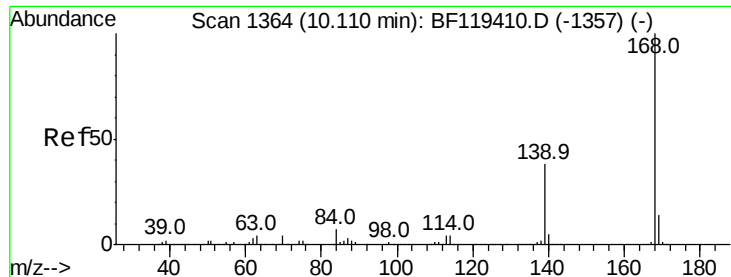
mohammad
 3/31/2020 8:14:15 AM



#54
 2,4-Dinitrophenol
 Concen: 113.010 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.1	50.2	75.4
154	53.2	44.5	66.7





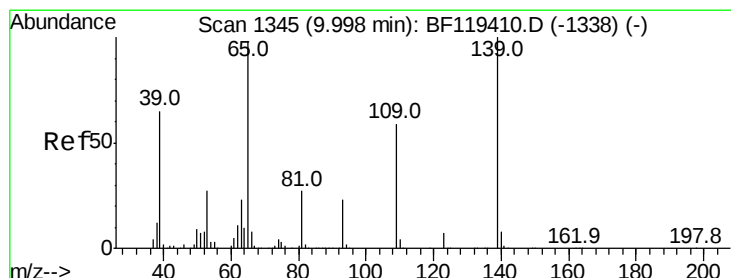
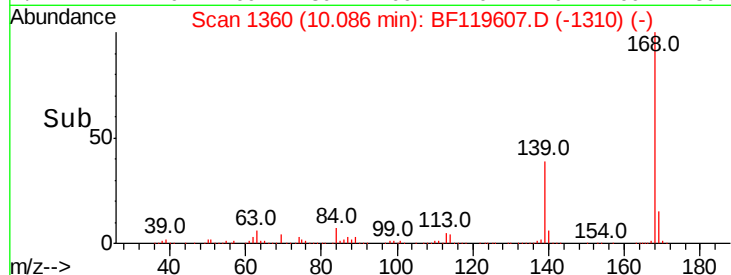
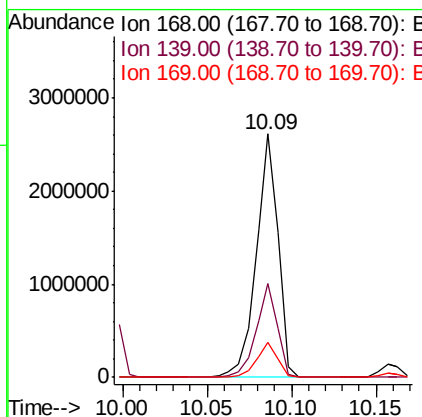
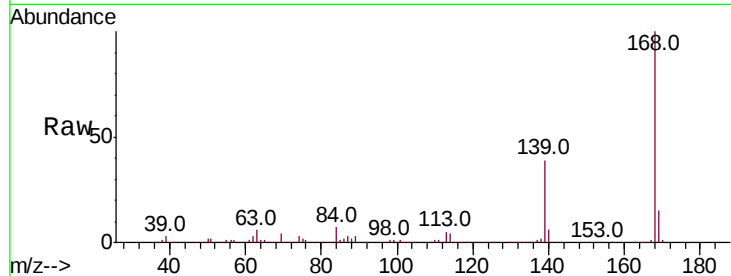
#55
Dibenzenofuran
Concen: 49.006 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	14.6	11.0	16.6

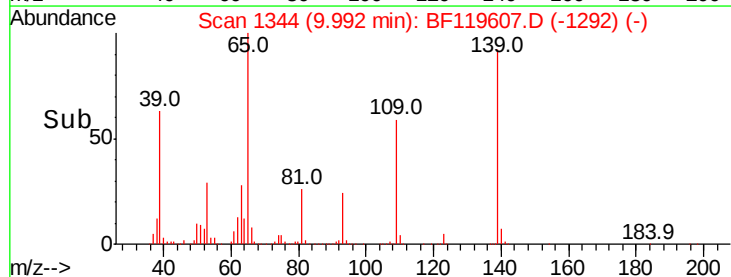
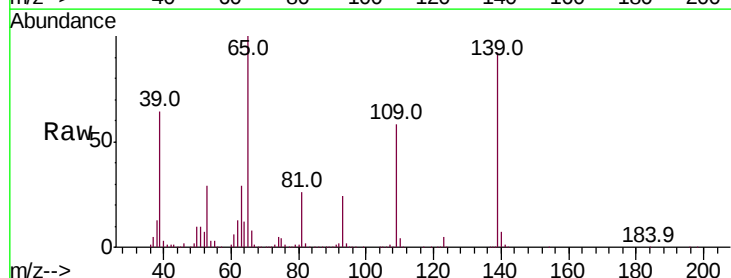
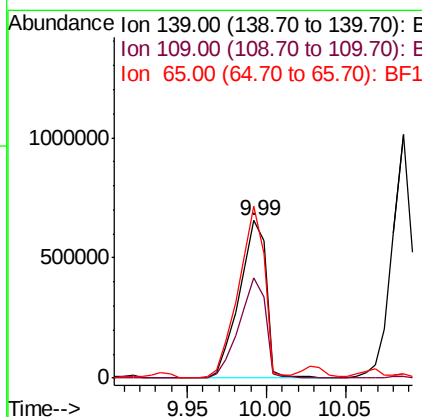
Manual Integrations
APPROVED

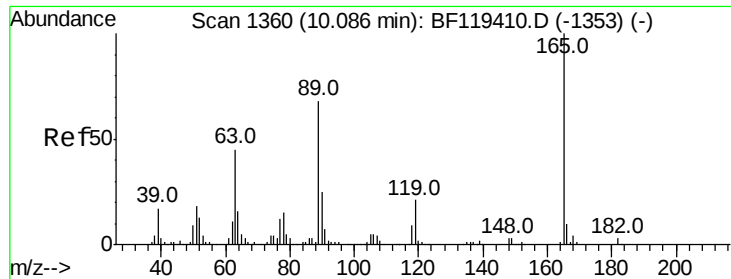
mohammad
3/31/2020 8:14:15 AM



#56
4-Nitrophenol
Concen: 95.613 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.5	43.3	83.3
65	108.7	91.0	131.0





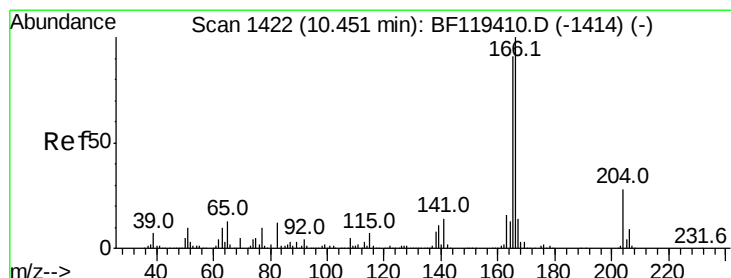
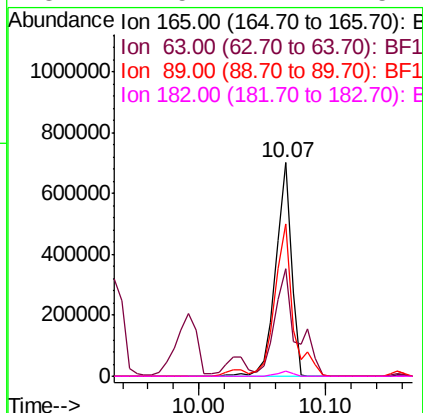
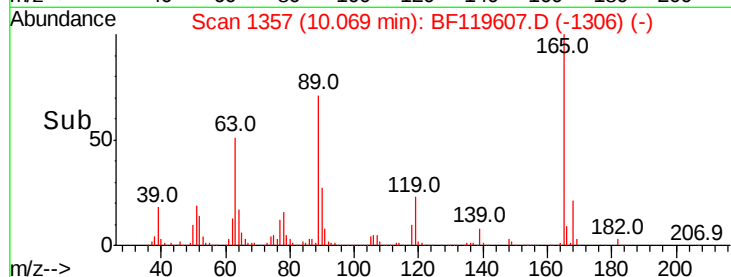
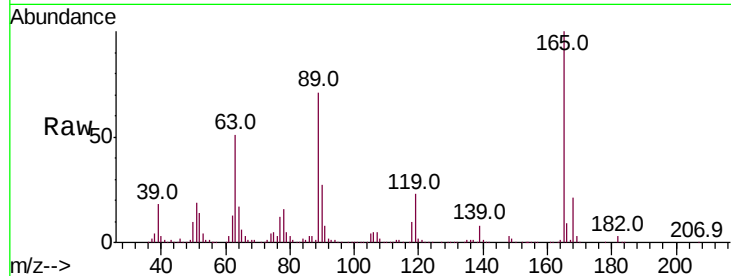
#57
2,4-Dinitrotoluene
Concen: 58.758 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	50.6	42.6	64.0
89	71.4	61.0	91.4
182	2.5	2.2	3.2

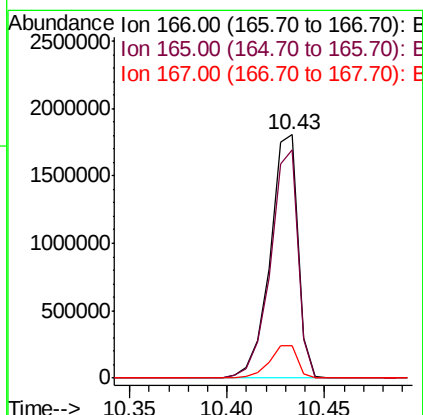
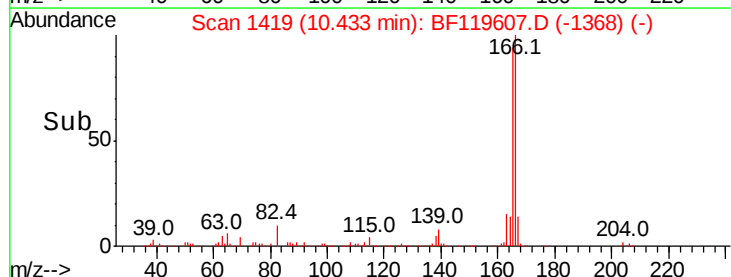
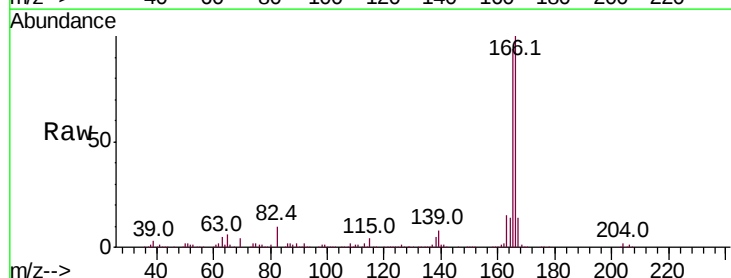
Manual Integrations
APPROVED

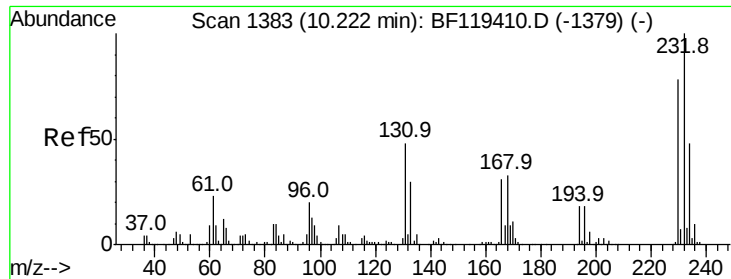
mohammad
3/31/2020 8:14:15 AM



#58
Fluorene
Concen: 50.561 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	75.4	113.2
167	13.5	11.2	16.8





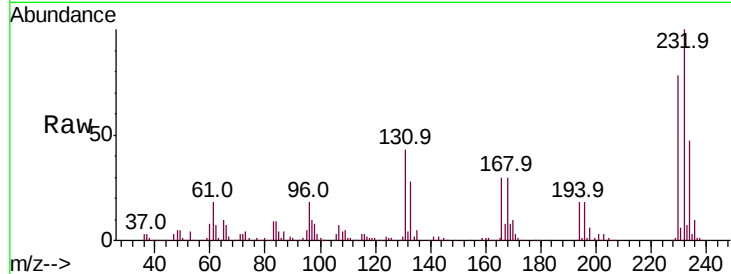
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.069 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

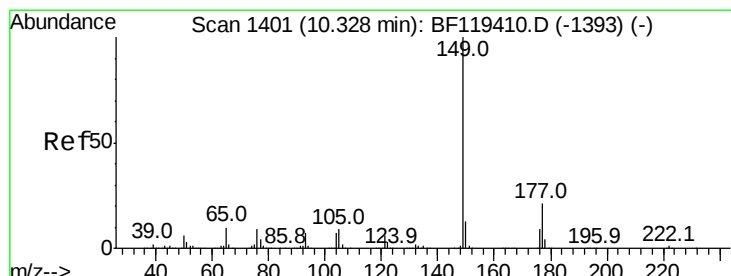
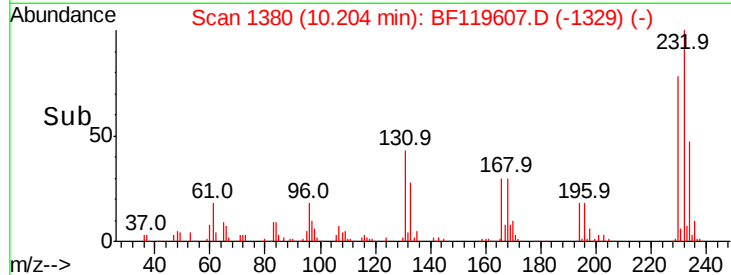
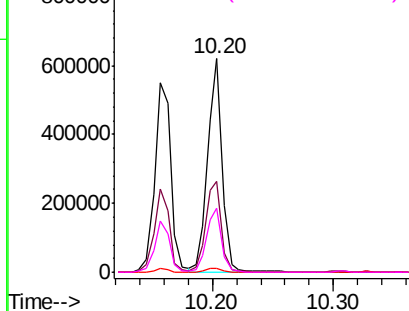
Tot Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.5	56.3
130	2.1	1.8	2.6
166	30.8	24.6	36.8

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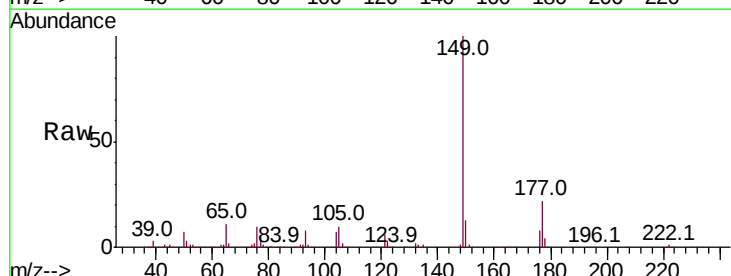


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

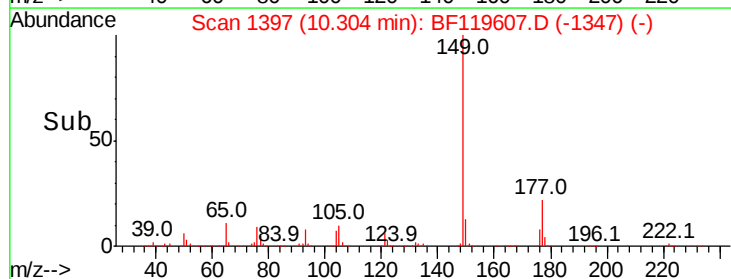
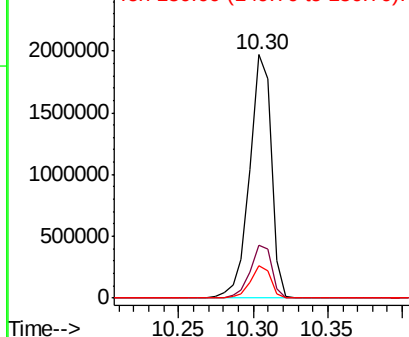


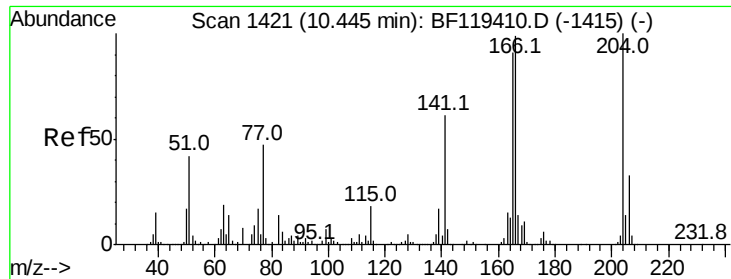
#60
Diethylphthalate
Concen: 51.160 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.0	25.6
150	13.4	10.1	15.1



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





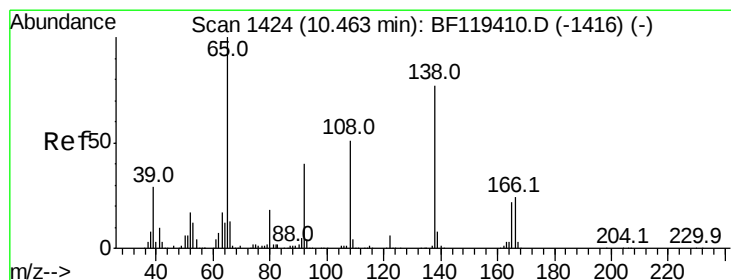
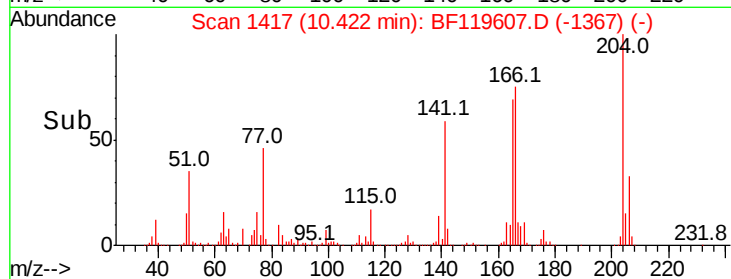
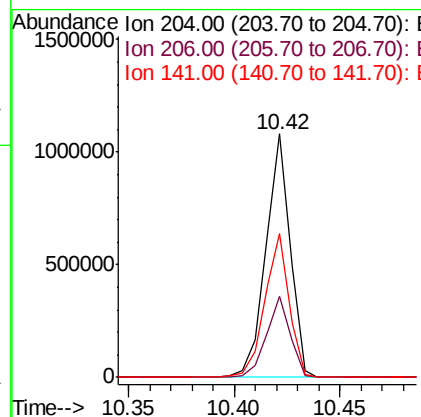
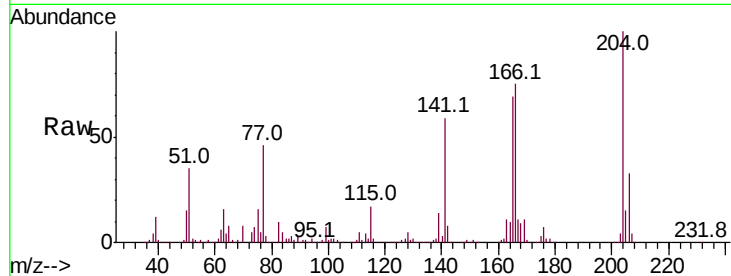
#61
 4-Chlorophenyl-phenylether
 Concen: 50.325 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion:	204	Resp:	869907
Ion Ratio	Lower	Upper	
204	100		
206	33.4	26.7	40.1
141	59.1	47.3	70.9

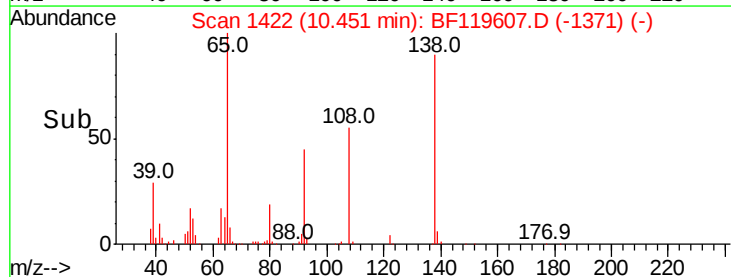
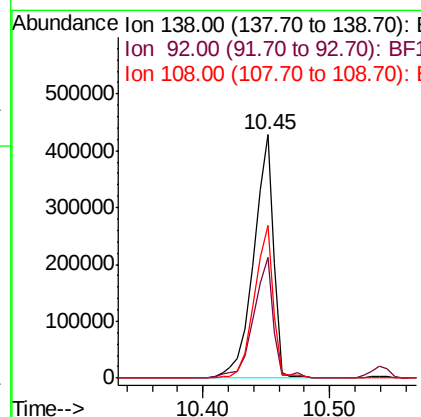
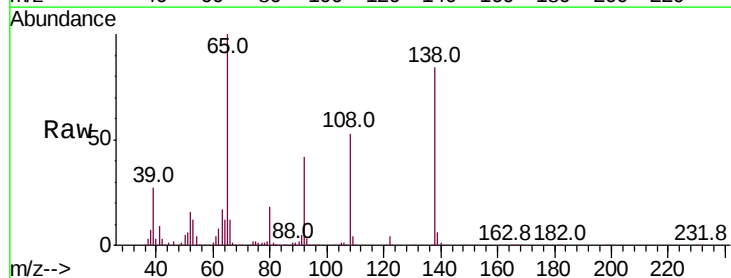
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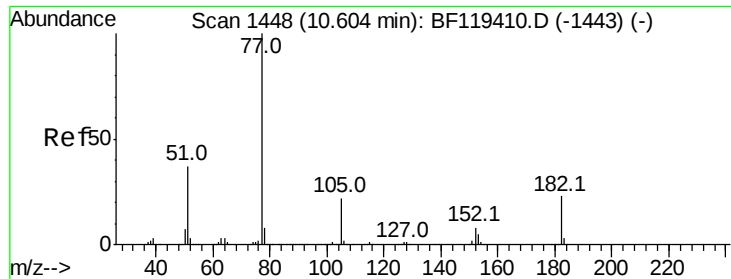
mohammad
 3/31/2020 8:14:15 AM



#62
 4-Nitroaniline
 Concen: 47.973 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion:	138	Resp:	472016
Ion Ratio	Lower	Upper	
138	100		
92	49.7	31.5	71.5
108	63.0	45.8	85.8





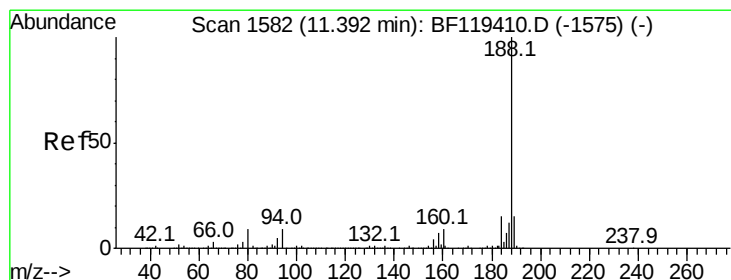
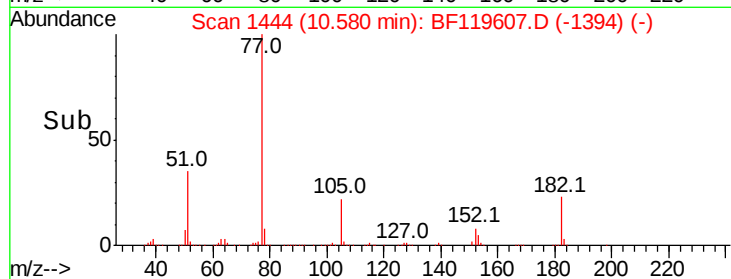
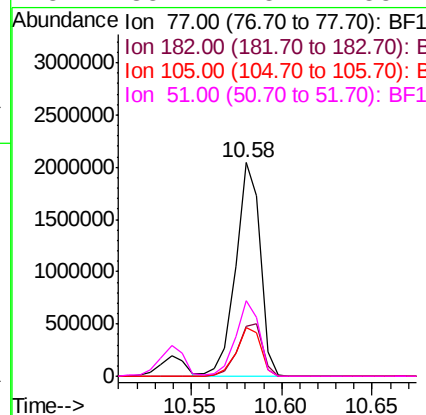
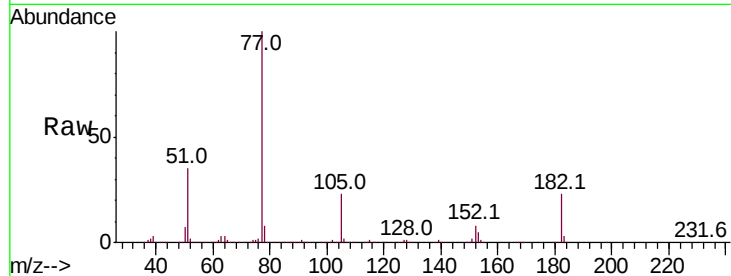
#63
Azobenzene
Concen: 49.444 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	23.3	4.4	44.4
105	22.6	2.6	42.6
51	35.2	15.1	55.1

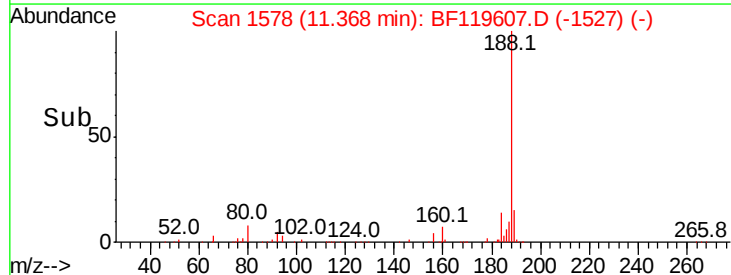
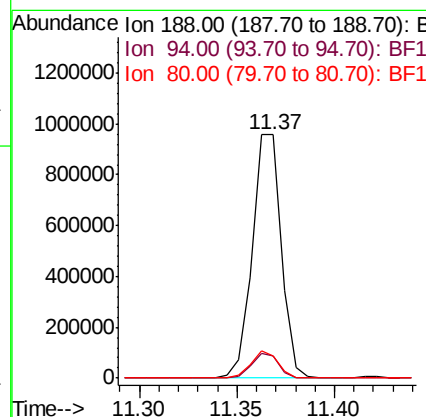
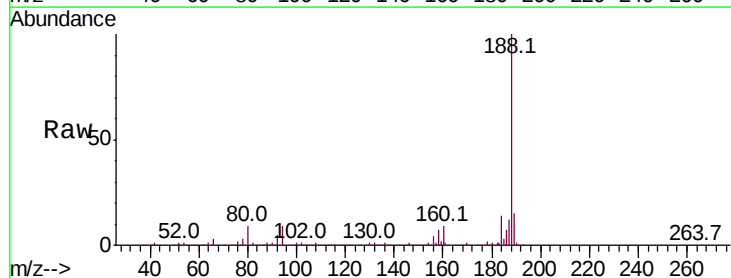
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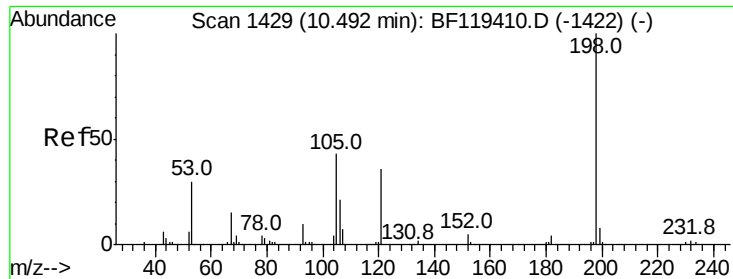
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.5	11.3
80	8.8	9.0	13.4#





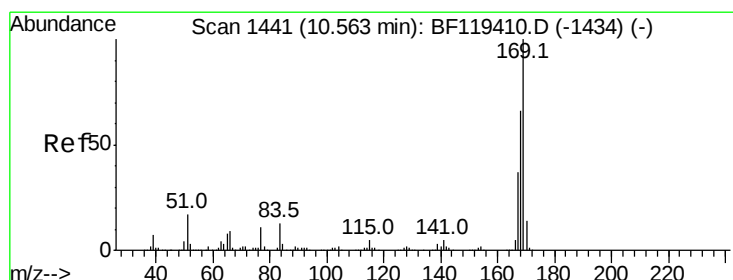
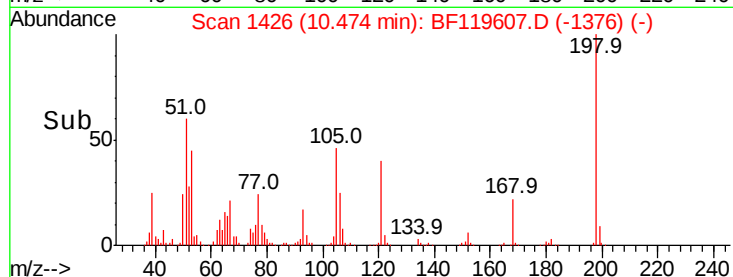
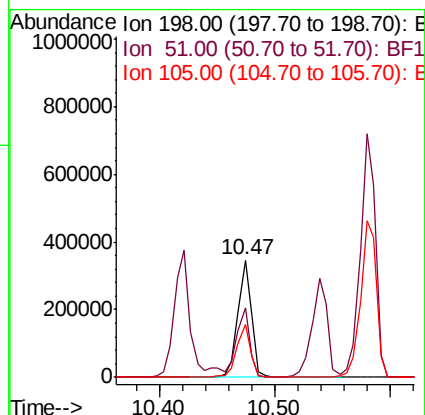
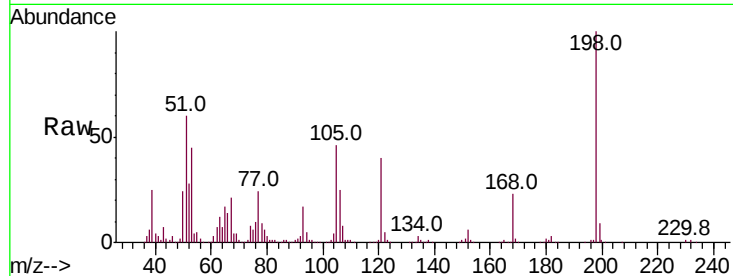
#65
4,6-Dinitro-2-methylphenol
Concen: 68.765 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	283731		
51	59.7	29.0	69.0	
105	45.6	22.2	62.2	

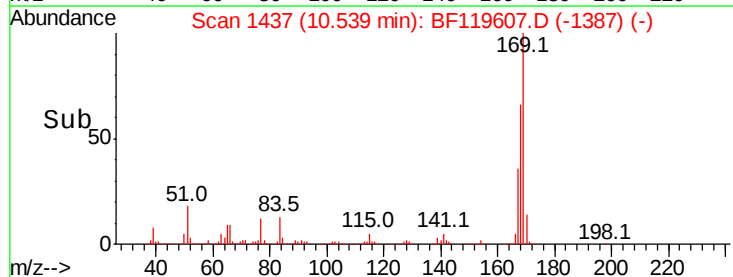
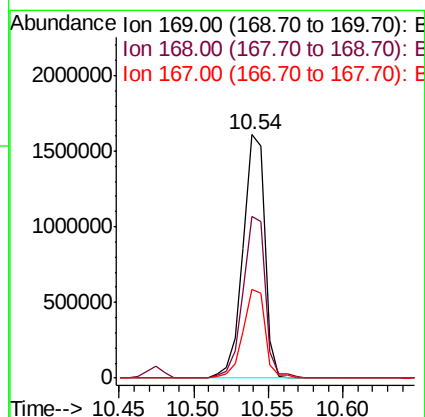
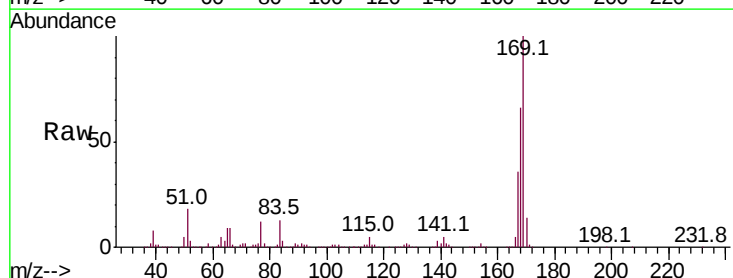
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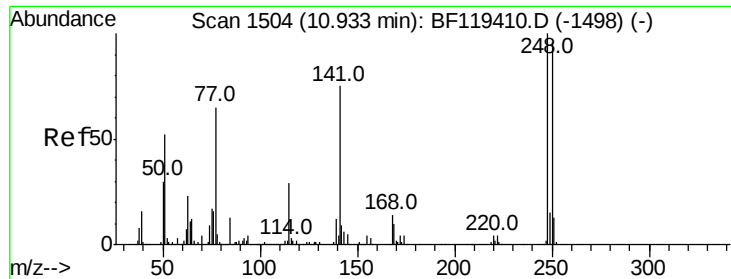
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 50.665 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1636585		
168	66.4	53.2	79.8	
167	36.5	29.1	43.7	





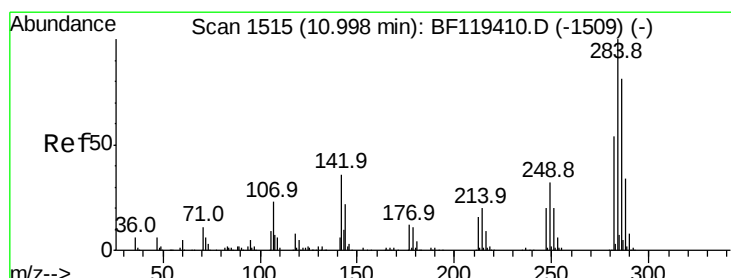
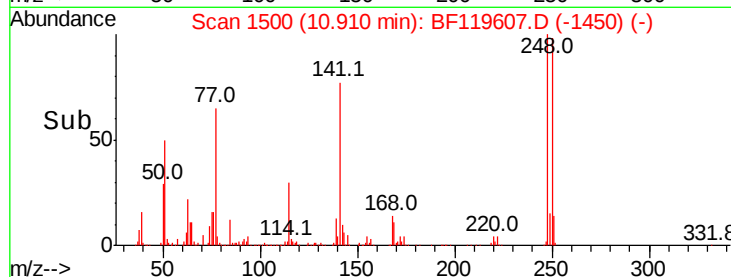
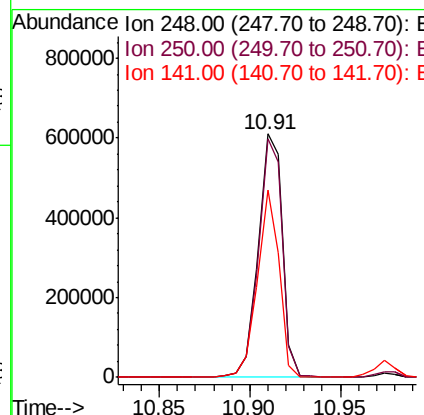
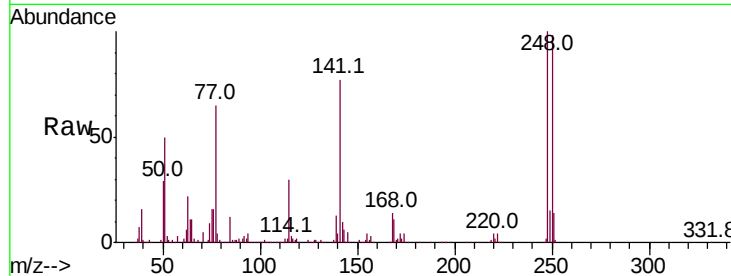
#67
4-Bromophenyl-phenylether
Concen: 50.323 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.3	115.9
141	76.9	58.6	87.8

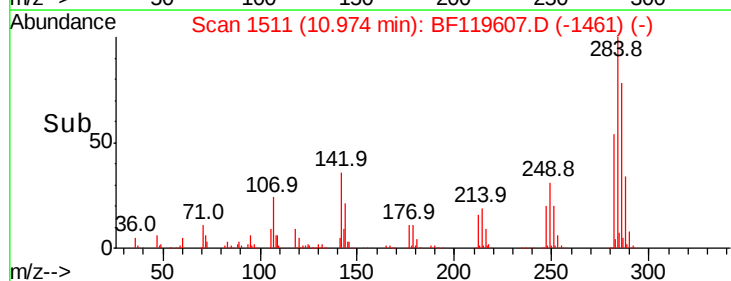
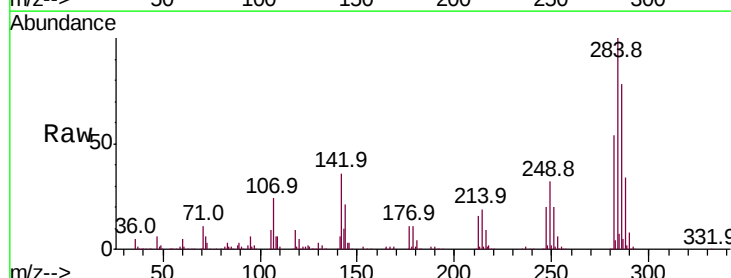
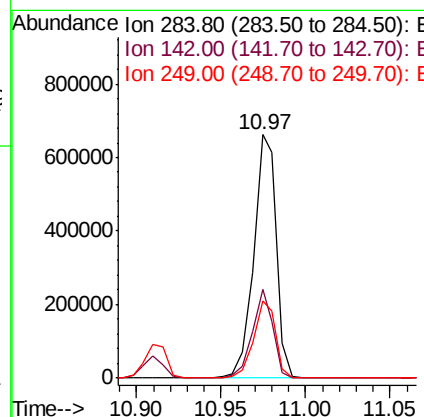
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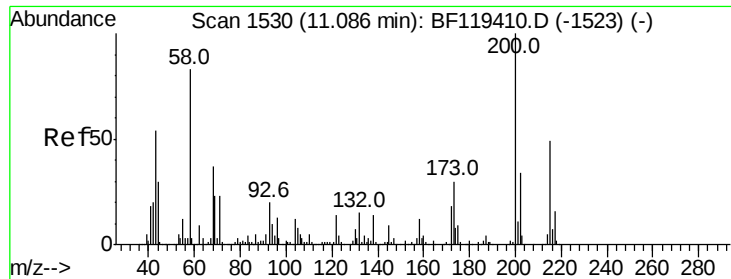
mohammad
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#68
Hexachlorobenzene
Concen: 53.805 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.2	43.8
249	31.5	25.1	37.7





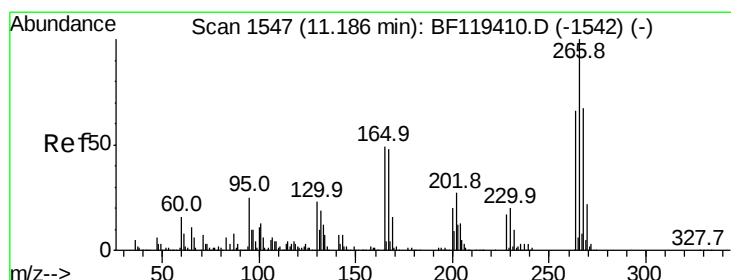
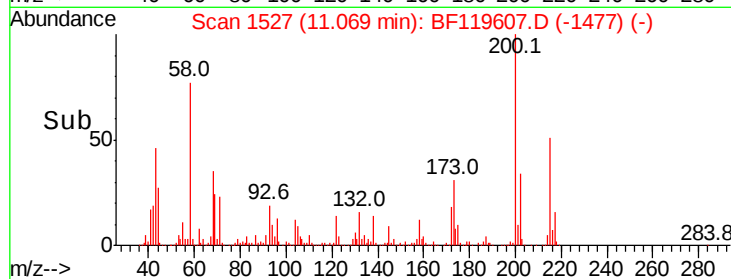
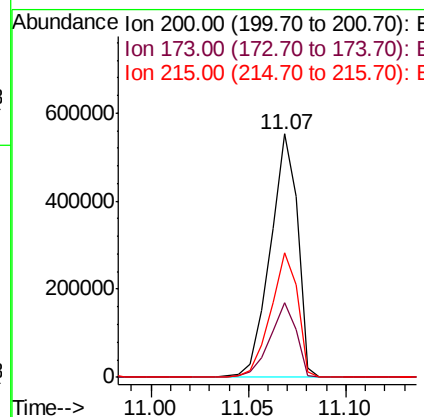
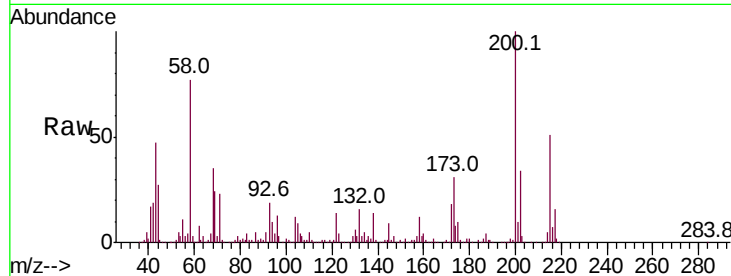
#69
Atrazine
Concen: 60.659 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	30.7	9.3	49.3
215	51.3	29.5	69.5

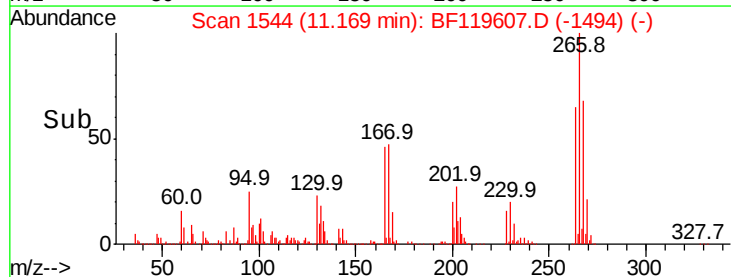
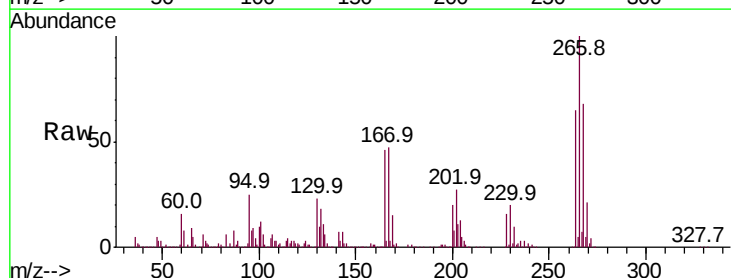
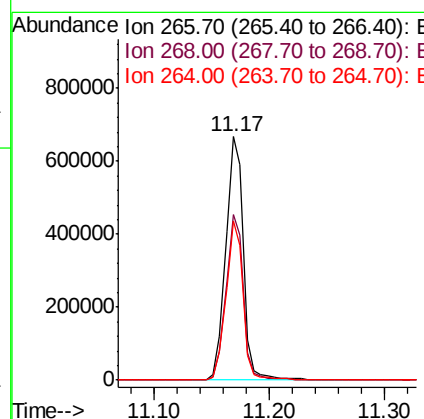
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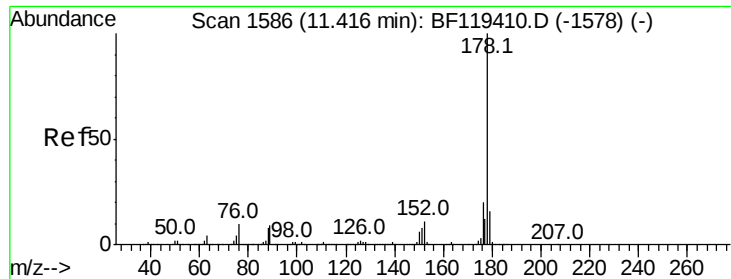
mohammad
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#70
Pentachlorophenol
Concen: 105.136 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.1	53.3	79.9
264	65.5	49.0	73.4





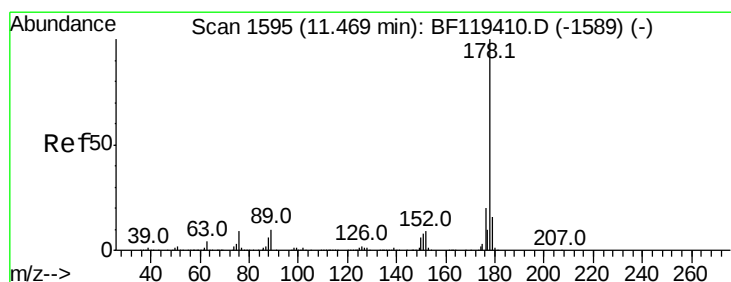
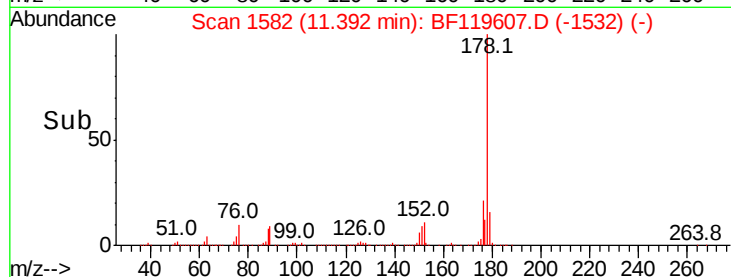
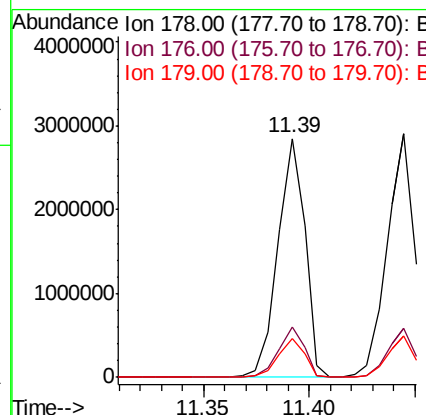
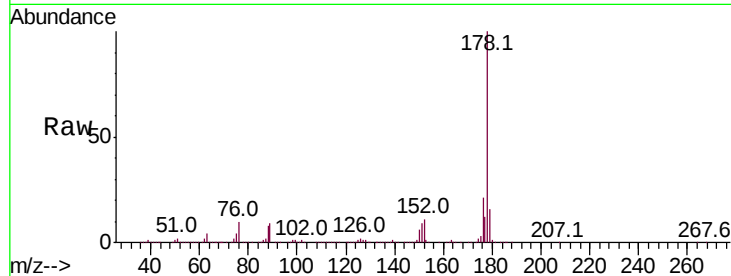
#71
Phenanthrene
Concen: 50.115 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	16.4	13.2	19.8

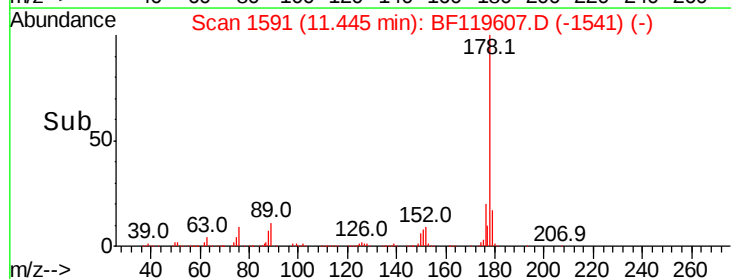
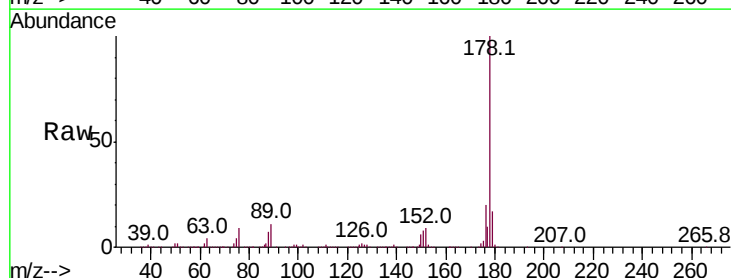
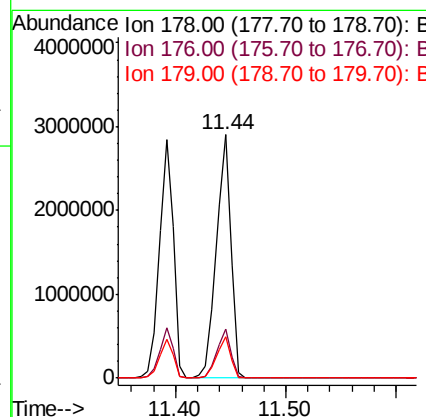
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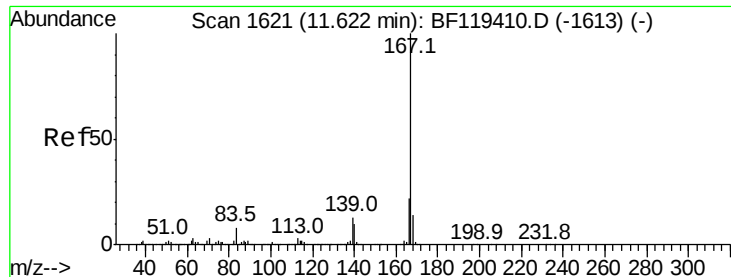
mohammad
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#72
Anthracene
Concen: 50.390 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.1	24.1
179	16.8	13.0	19.4





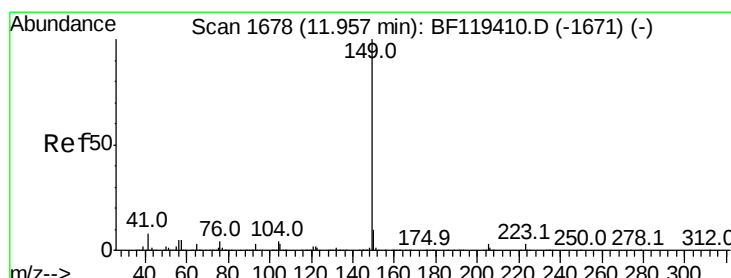
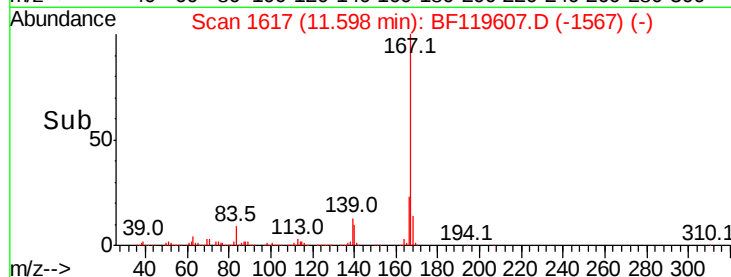
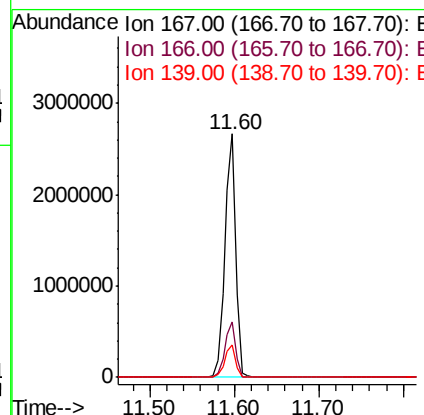
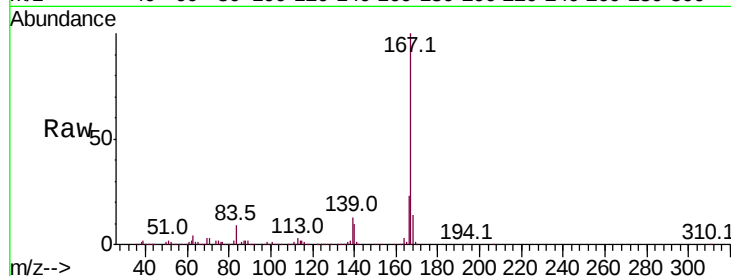
#73
 Carbazole
 Concen: 47.222 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.4
139	13.3	10.7	16.1

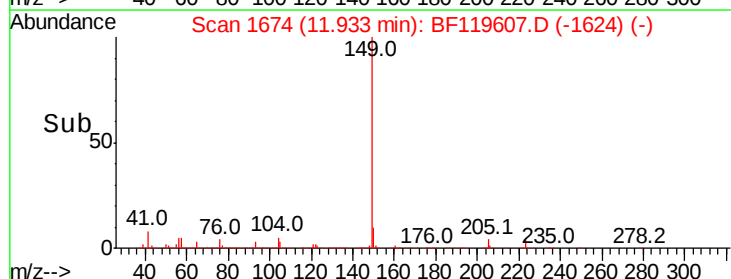
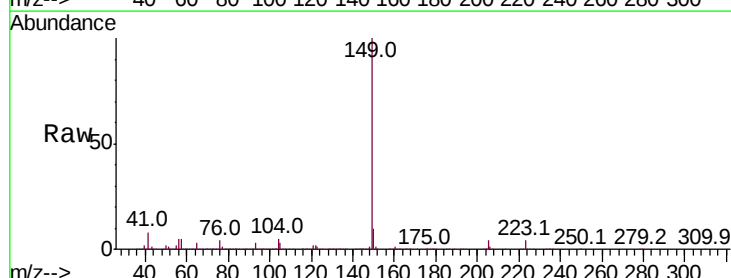
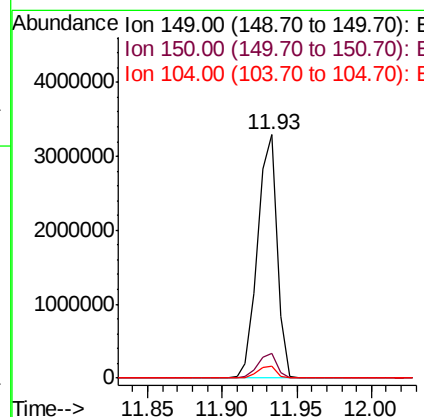
Manual Integrations
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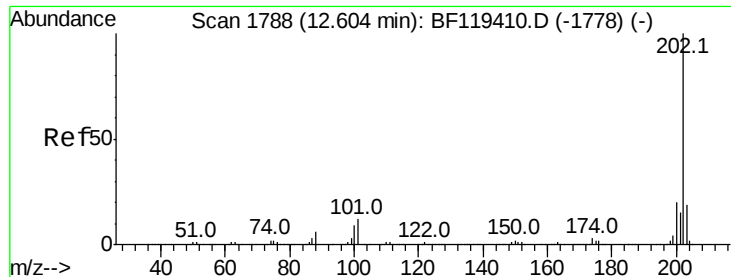
mohammad
 3/31/2020 8:14:15 AM



#74
 Di-n-butylphthalate
 Concen: 53.829 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.8	11.8
104	4.7	3.6	5.4





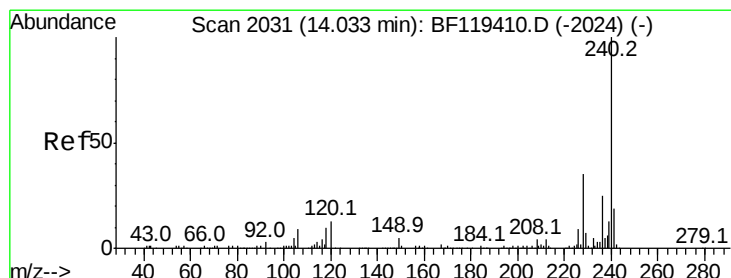
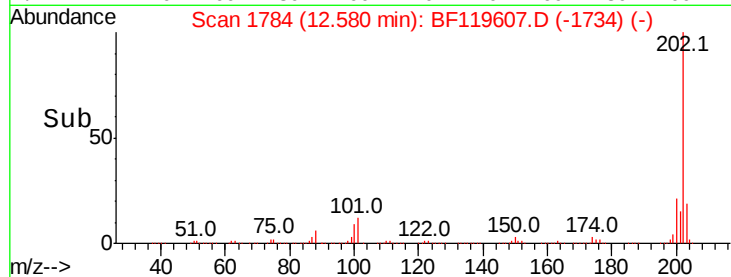
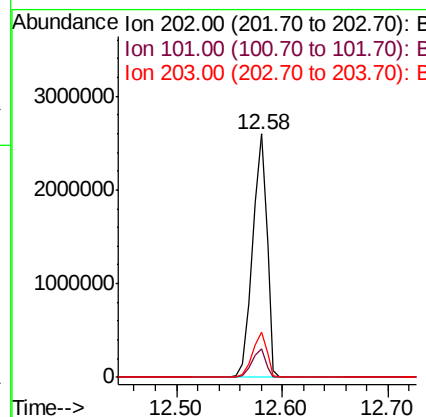
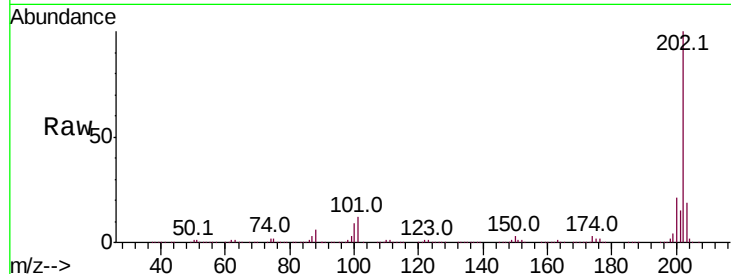
#75
 Fluoranthene
 Concen: 44.299 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.2
203	18.7	0.0	38.8

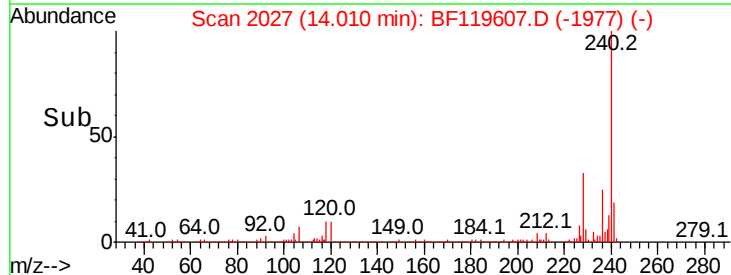
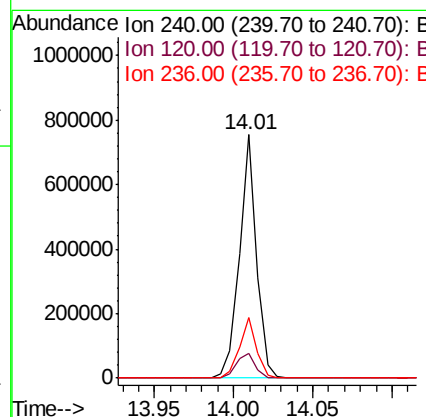
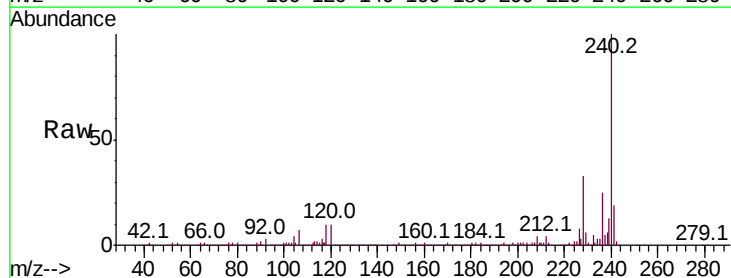
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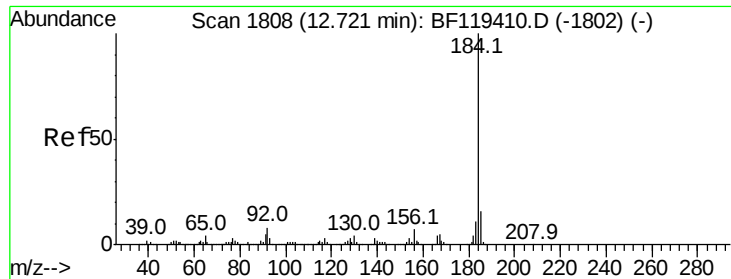
mohammad
 3/31/2020 8:14:15 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.6	15.8#
236	25.1	20.2	30.2





#77

Benzidine

Concen: 45.329 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:184 Resp: 1086309

Ion Ratio Lower Upper

184 100

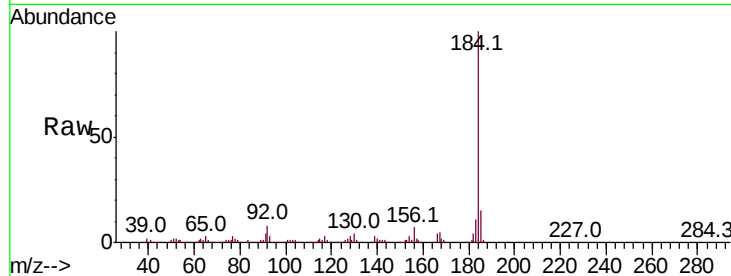
185 14.6 12.3 18.5

183 11.3 9.0 13.6

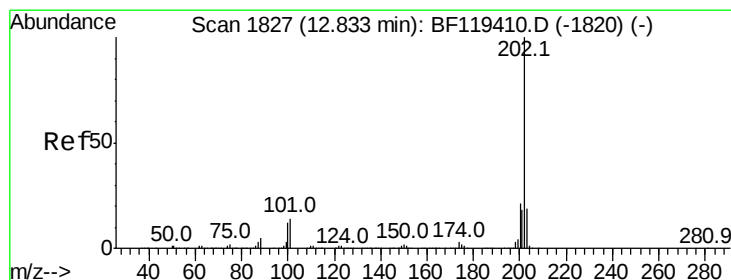
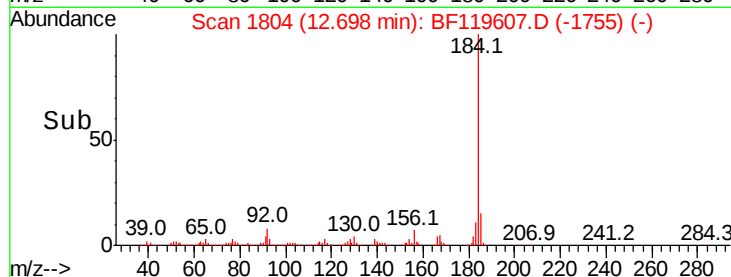
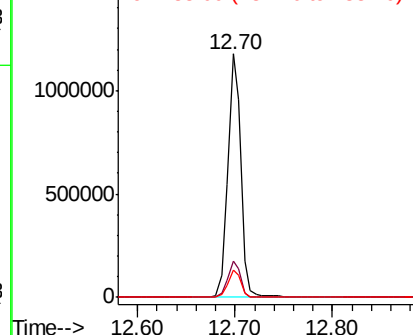
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.521 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

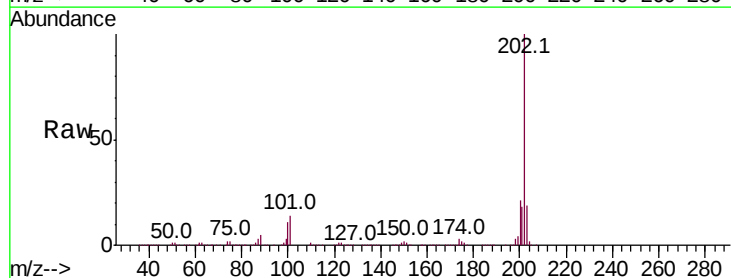
Tgt Ion:202 Resp: 2440866

Ion Ratio Lower Upper

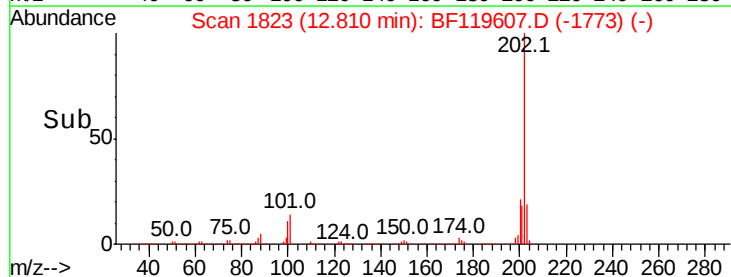
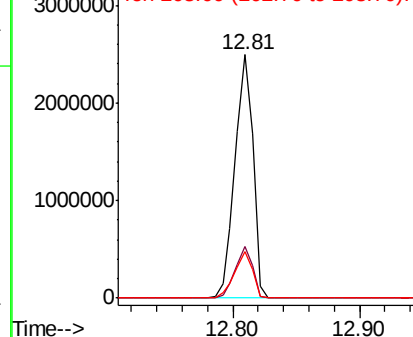
202 100

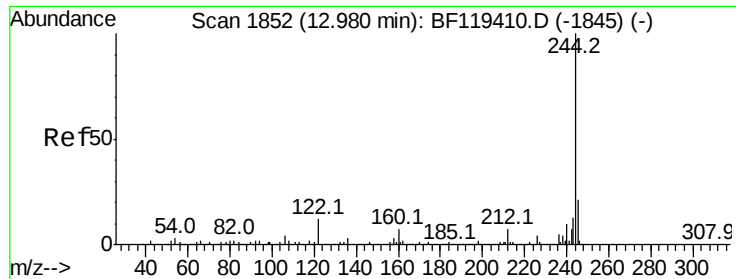
200 21.2 16.8 25.2

203 19.0 15.1 22.7



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





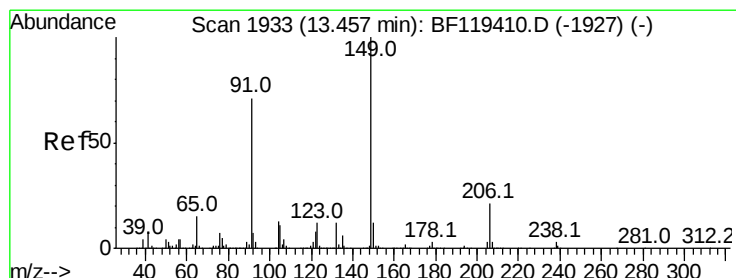
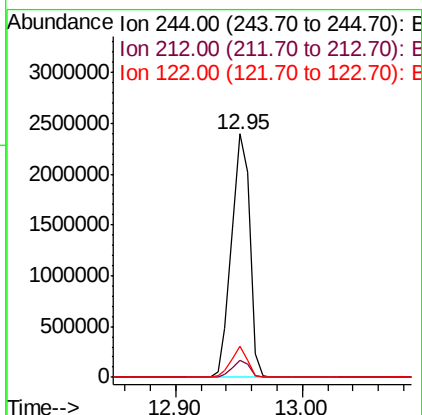
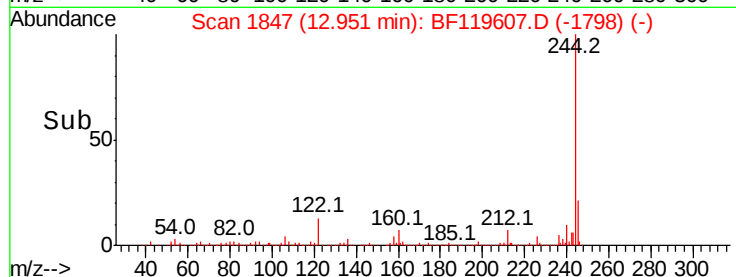
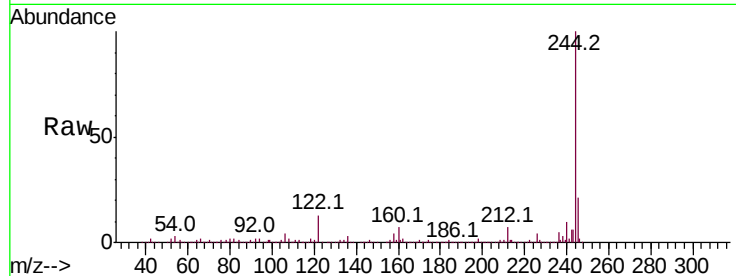
#79
 Terphenyl-d14
 Concen: 81.273 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.7	10.3	15.5

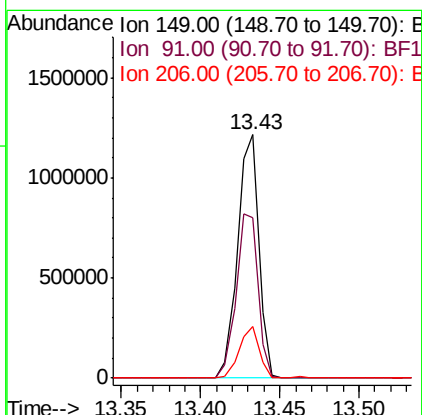
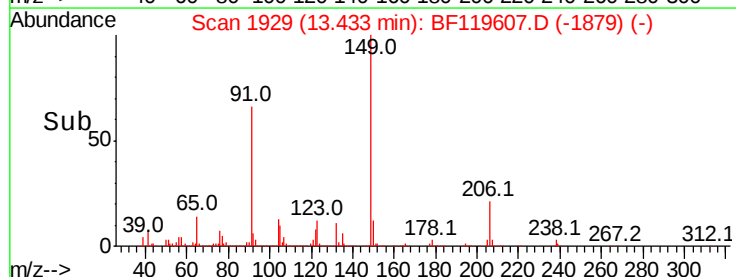
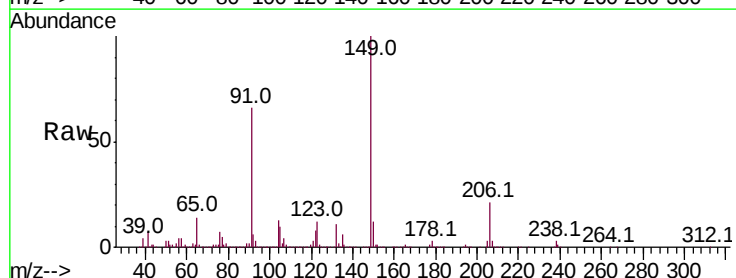
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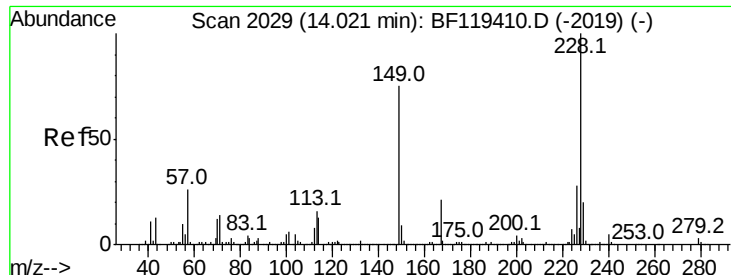
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#80
 Butylbenzylphthalate
 Concen: 60.014 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.6	54.7	82.1
206	21.1	16.2	24.2





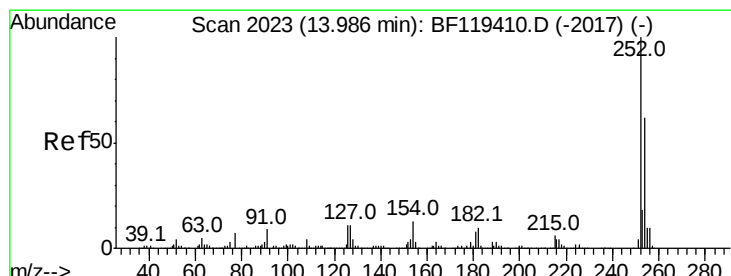
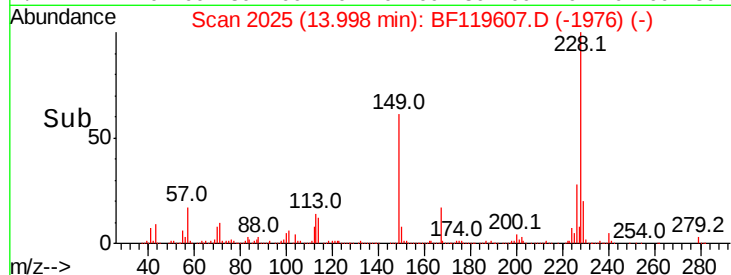
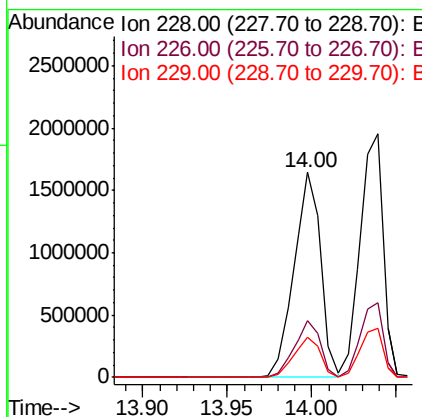
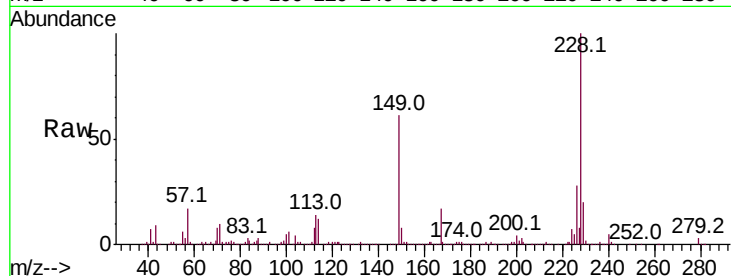
#81
 Benzo(a)anthracene
 Concen: 48.643 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	19.9	16.2	24.4

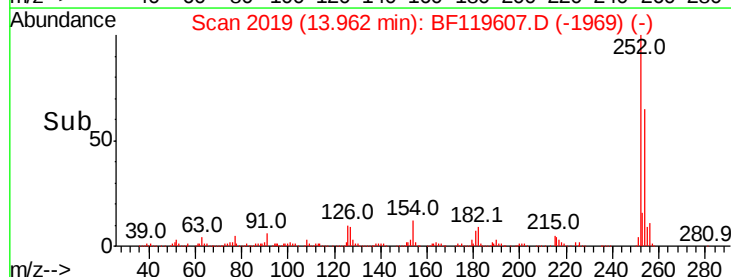
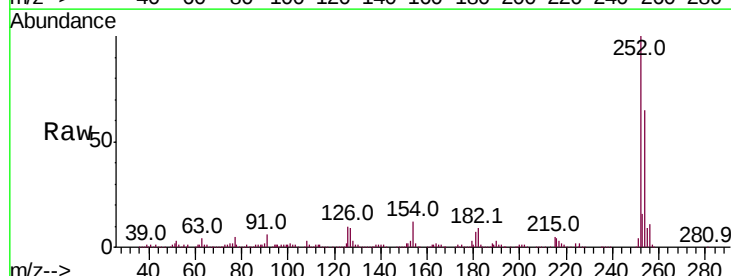
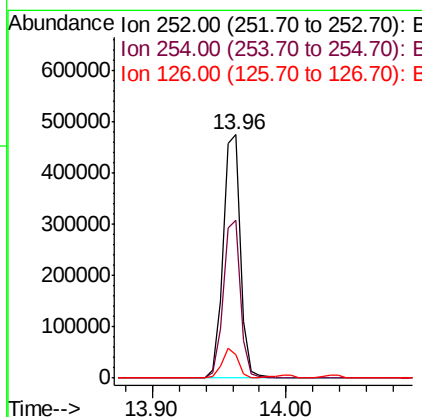
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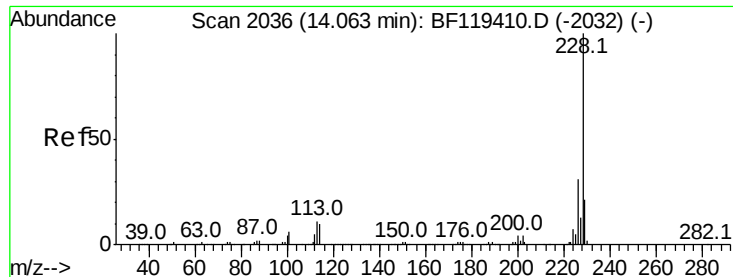
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#82
 3,3'-Dichlorobenzidine
 Concen: 30.160 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	9.7	9.6	14.4





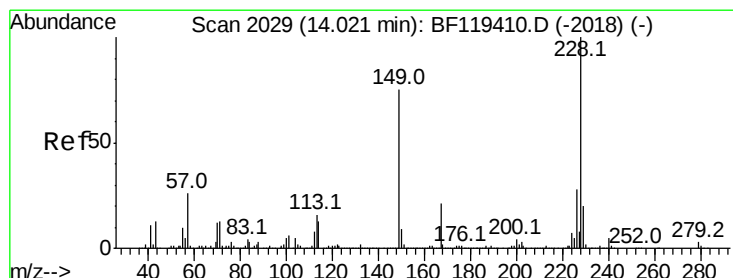
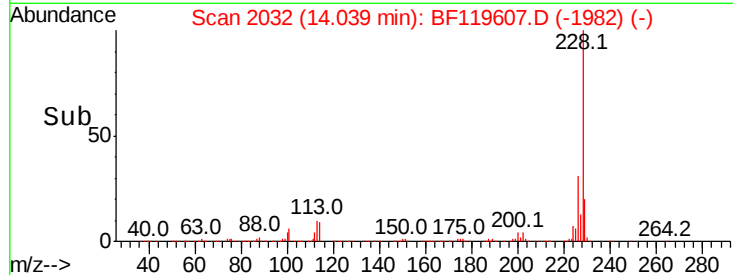
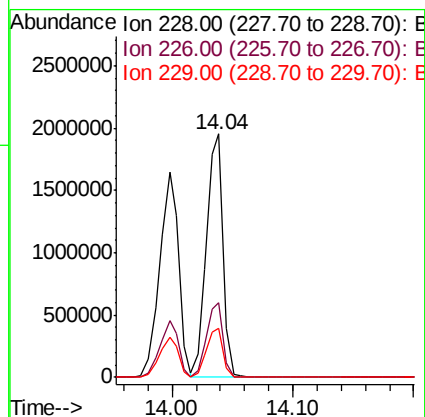
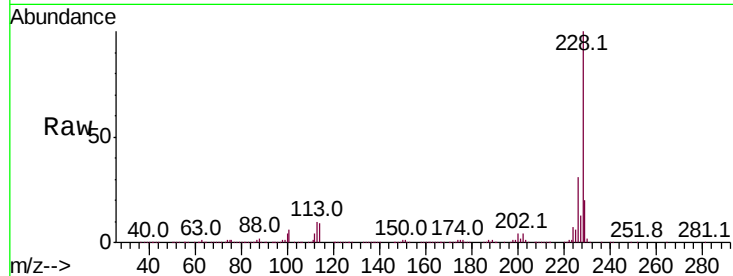
#83
 Chrvsene
 Concen: 48.679 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	20.1	16.6	24.8

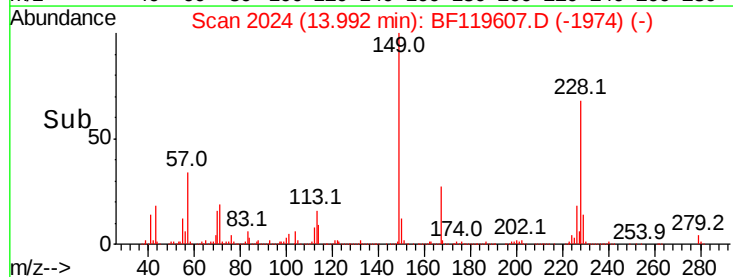
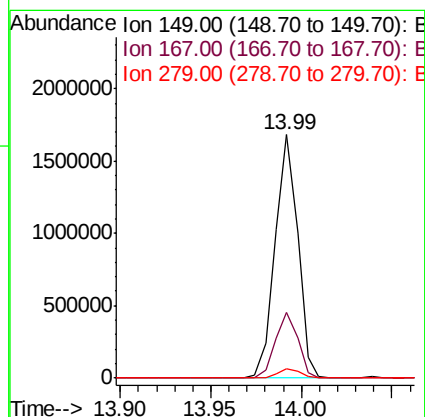
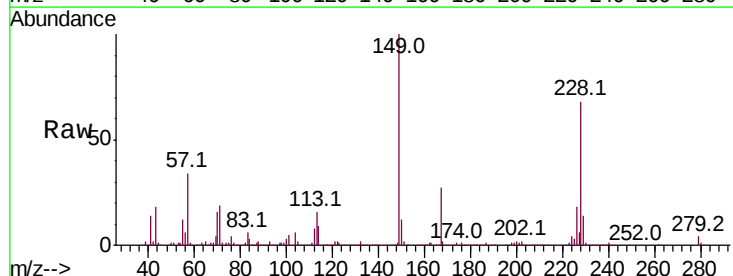
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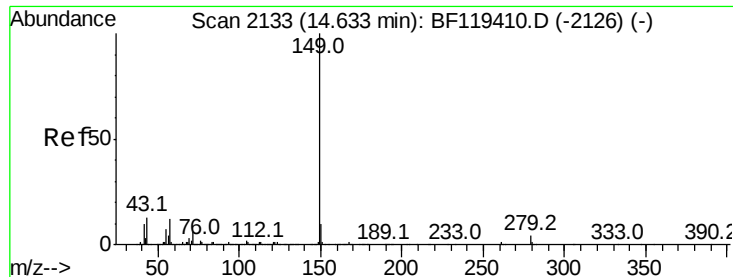
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 65.107 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF119607.D
 Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	3.7	2.7	4.1





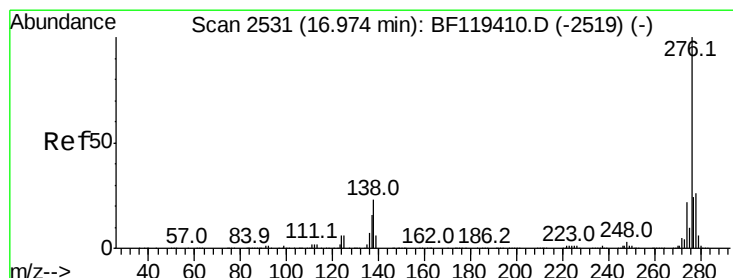
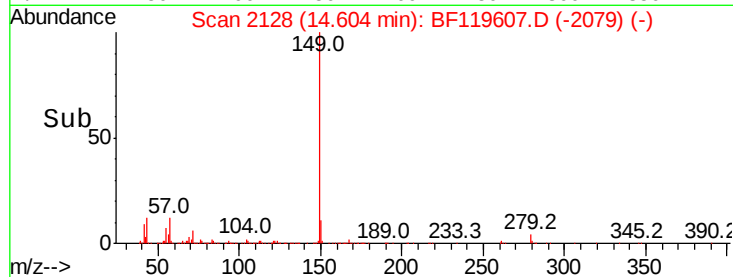
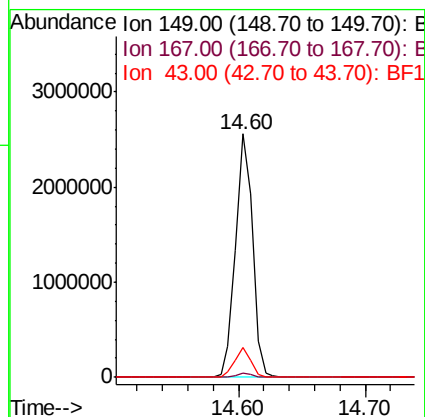
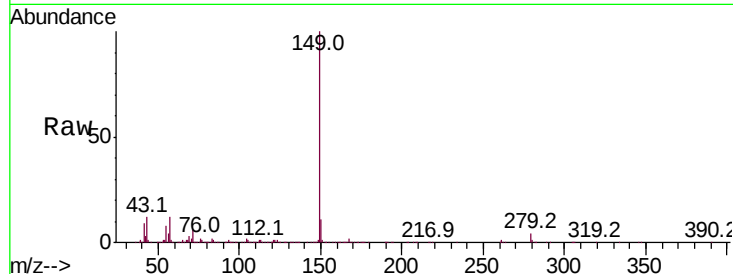
#85
Di-n-octyl phthalate
Concen: 59.728 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	9.3	13.9

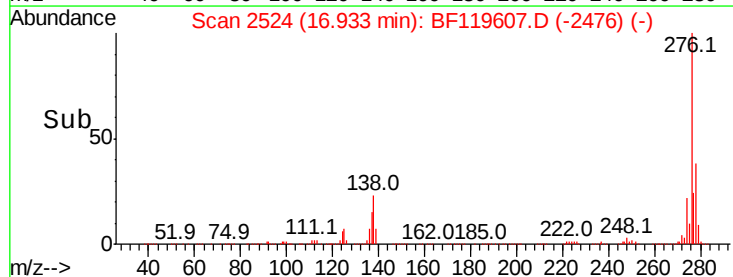
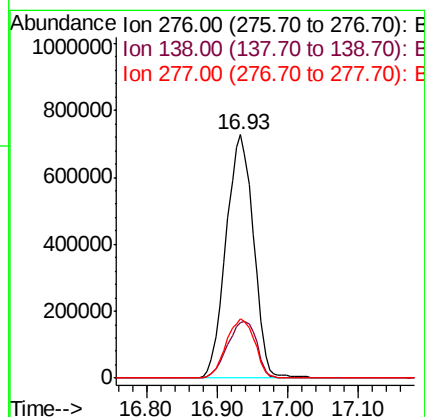
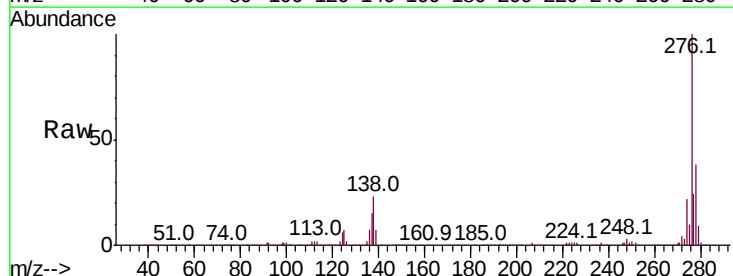
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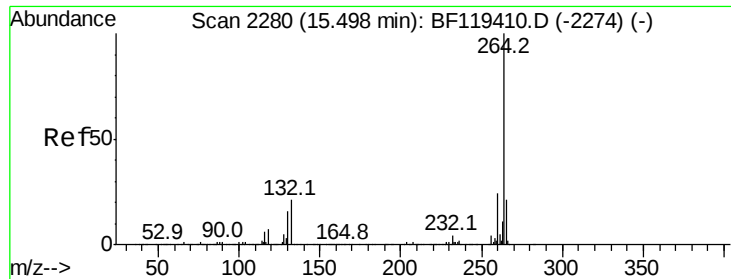
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 55.081 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.6	29.4
277	25.4	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Instrument :

BNA_F

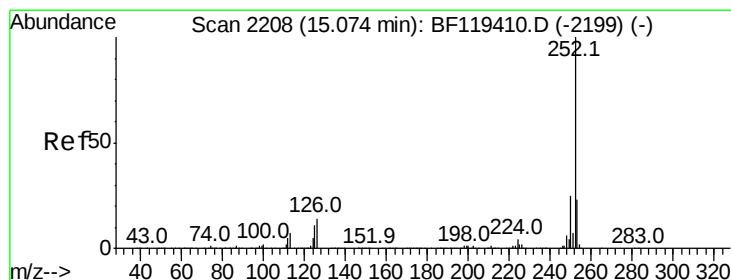
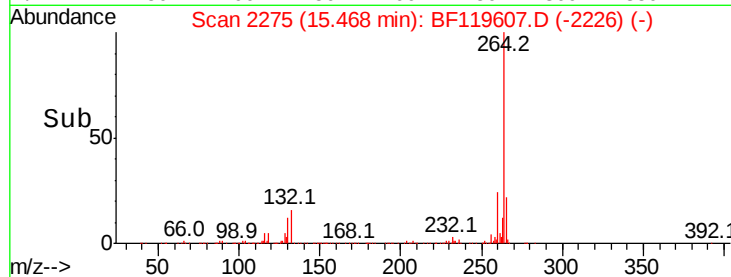
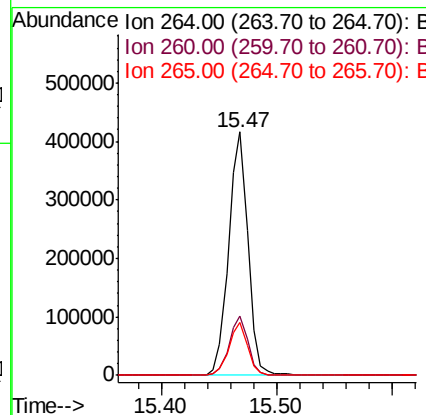
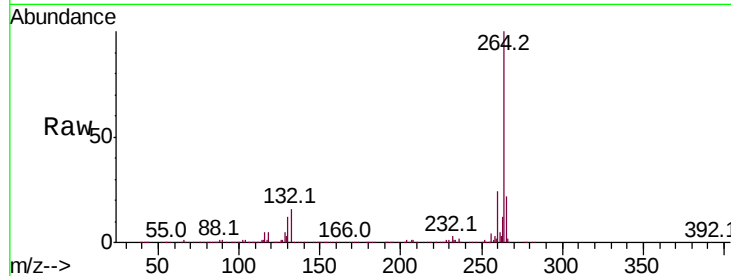
ClientSampleId :

SB-5-(10-12)MSD

Tot Ion:	264	Resp:	481808
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	21.7	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 51.121 ng

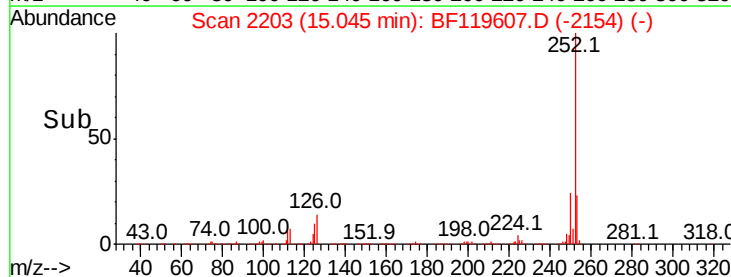
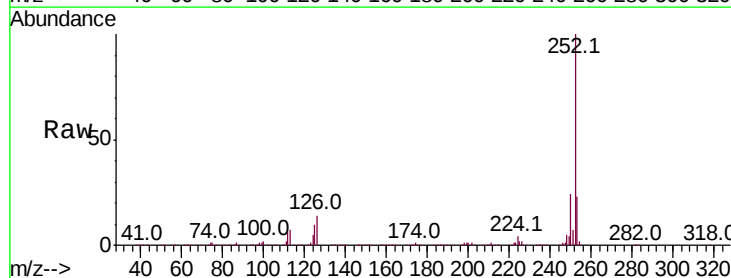
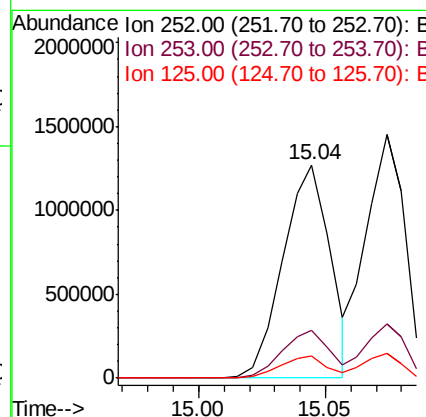
RT: 15.04 min Scan# 2203

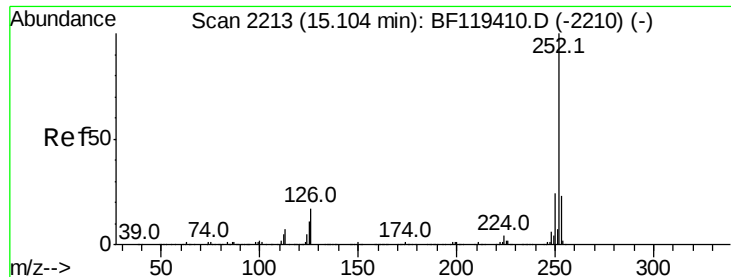
Delta R.T. -0.01 min

Lab File: BF119607.D

Acq: 28 Mar 2020 10:01

Tgt Ion:	252	Resp:	1645301
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	10.3	7.9	11.9





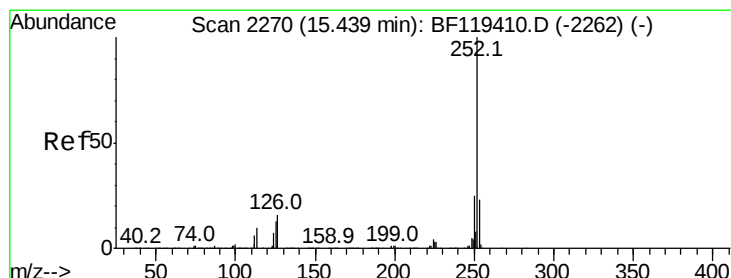
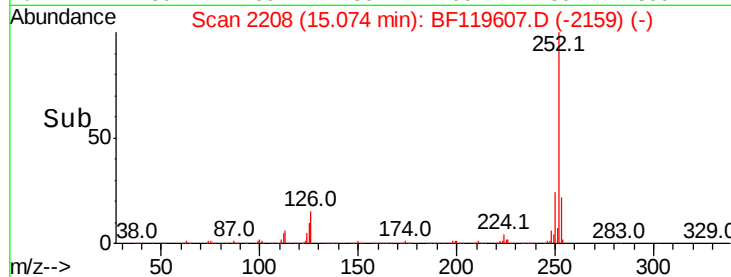
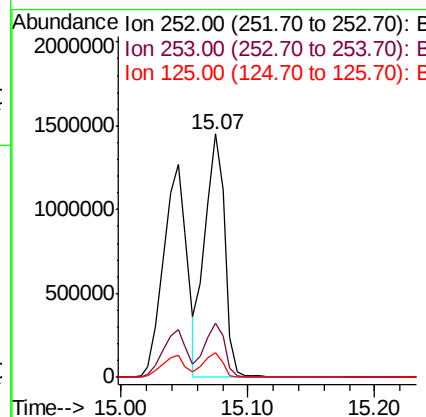
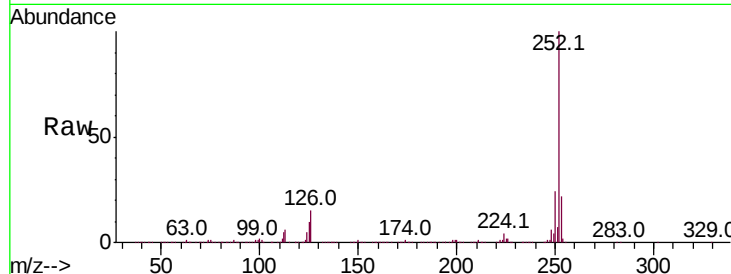
#89
Benzo(k)fluoranthene
Concen: 51.724 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.4	8.4	12.6

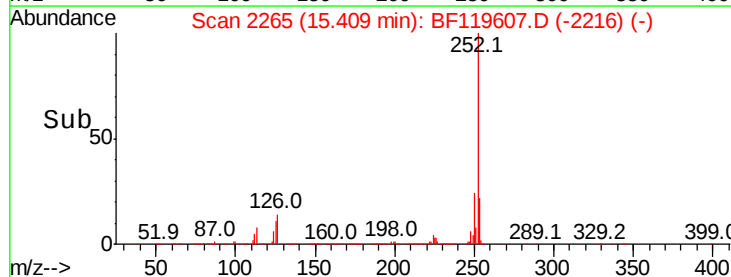
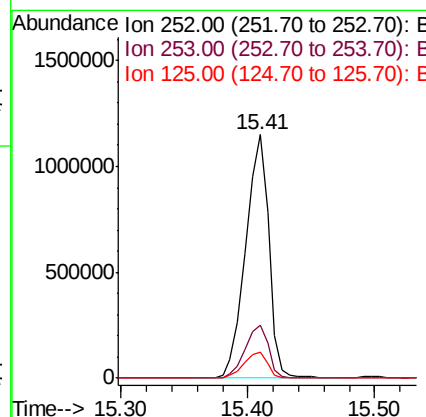
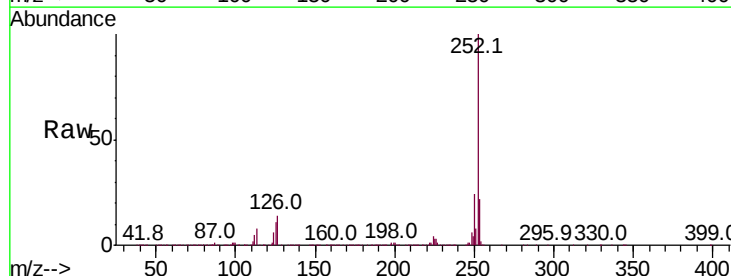
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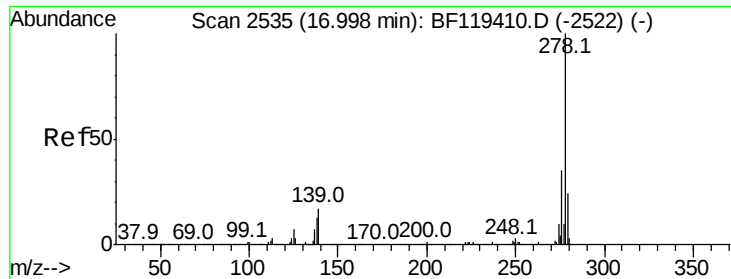
mohammad
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#90
Benzo(a)pyrene
Concen: 49.735 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	10.6	9.4	14.2





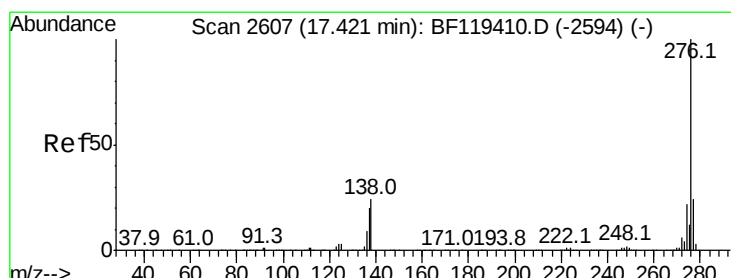
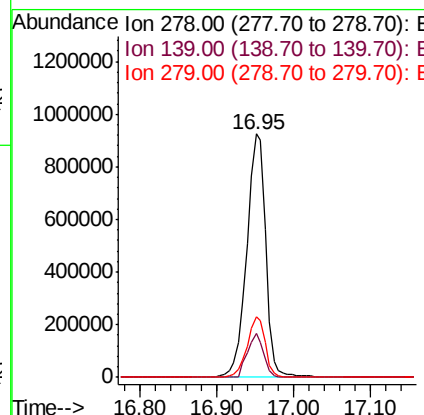
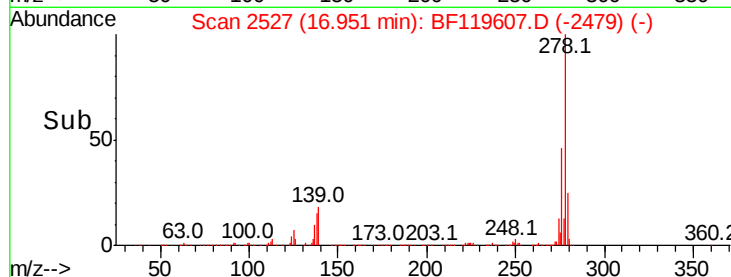
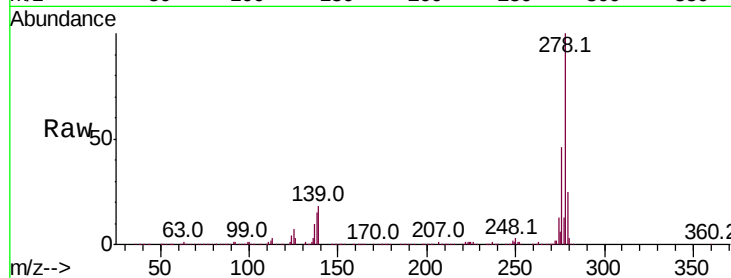
#91
Dibenzo(a,h)anthracene
Concen: 62.869 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Instrument :
BNA_F
ClientSampleId :
SB-5-(10-12)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.6	19.0
279	24.9	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 63.430 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.02 min
Lab File: BF119607.D
Acq: 28 Mar 2020 10:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	20.5	15.4	23.0

