

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072720\
 Data File : BF121055.D
 Acq On : 28 Jul 2020 2:52
 Operator : JU/CG
 Sample : L3382-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

Quant Time: Jul 28 03:15:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	175732	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	692356	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	374219	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	717554	20.00	ng	0.00
76) Chrysene-d12	13.97	240	493504	20.00	ng	0.00
86) Perylene-d12	15.42	264	438230	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1131696	105.57	ng	0.02
7) Phenol-d6	6.45	99	1340930	96.84	ng	0.00
23) Nitrobenzene-d5	7.38	82	988971	82.65	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	499625	121.97	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1691419	67.48	ng	0.00
79) Terphenyl-d14	12.92	244	1868583	82.31	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	187809	38.068	ng	# 84
3) Pyridine	3.42	79	379282	28.900	ng	100
4) n-Nitrosodimethylamine	3.35	42	230241	41.027	ng	96
6) Aniline	6.48	93	528174	29.221	ng	99
8) 2-Chlorophenol	6.60	128	530674	44.938	ng	97
9) Benzaldehyde	6.36	77	219068	30.617	ng	97
10) Phenol	6.47	94	547925	35.972	ng	93
11) bis(2-Chloroethyl)ether	6.55	93	512618	43.912	ng	100
12) 1,3-Dichlorobenzene	6.76	146	505922	39.509	ng	98
13) 1,4-Dichlorobenzene	6.83	146	508789	39.958	ng	99
14) 1,2-Dichlorobenzene	6.99	146	497505	41.301	ng	99
15) Benzyl Alcohol	6.96	79	432298	44.146	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	689463	40.976	ng	96
17) 2-Methylphenol	7.07	107	425728	40.675	ng	99
18) Hexachloroethane	7.33	117	190534	41.343	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	336205	42.699	ng	99
20) 3+4-Methylphenols	7.23	107	451429	33.905	ng	# 84
22) Acetophenone	7.23	105	664638	42.774	ng	96
24) Nitrobenzene	7.40	77	535537	41.526	ng	99
25) Isophorone	7.64	82	1023123	42.844	ng	99
26) 2-Nitrophenol	7.72	139	284898	46.515	ng	99
27) 2,4-Dimethylphenol	7.76	122	464743	46.734	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	661928	45.409	ng	100
29) 2,4-Dichlorophenol	7.96	162	454803	44.756	ng	97
30) 1,2,4-Trichlorobenzene	8.04	180	469673	41.659	ng	98
31) Naphthalene	8.12	128	1449529	40.815	ng	100
32) Benzoic acid	7.85	122	100300	13.436	ng	93
33) 4-Chloroaniline	8.17	127	361319	22.806	ng	98
34) Hexachlorobutadiene	8.24	225	262293	39.465	ng	99
35) Caprolactam	8.55	113	116612	35.785	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	475881	45.662	ng	96
37) 2-Methylnaphthalene	8.81	142	1019679	44.219	ng	99
38) 1-Methylnaphthalene	8.91	142	962655	44.078	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	461355	42.314	ng	99

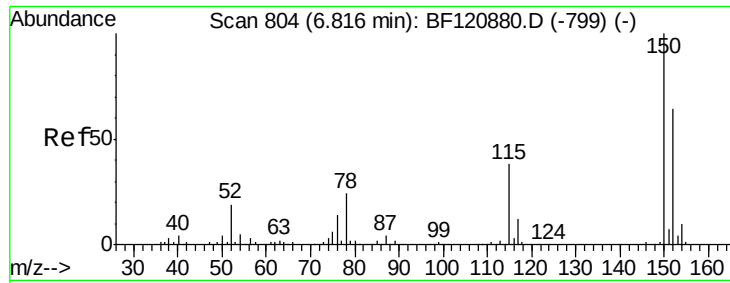
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	429213	71.228	ng	97
43) 2,4,6-Trichlorophenol	9.09	196	340108	44.303	ng	97
44) 2,4,5-Trichlorophenol	9.13	196	361102	41.468	ng	99
46) 1,1'-Biphenyl	9.27	154	1252827	43.889	ng	98
47) 2-Chloronaphthalene	9.30	162	969427	41.654	ng	100
48) 2-Nitroaniline	9.40	65	311391	44.274	ng	92
49) Acenaphthylene	9.72	152	1564821	43.280	ng	100
50) Dimethylphthalate	9.58	163	1218103	45.119	ng	99
51) 2,6-Dinitrotoluene	9.64	165	274673	47.356	ng	94
52) Acenaphthene	9.89	154	944008	41.068	ng	100
53) 3-Nitroaniline	9.81	138	219463	30.169	ng	95
54) 2,4-Dinitrophenol	9.91	184	65490	24.774	ng	96
55) Dibenzofuran	10.06	168	1393276	41.915	ng	99
56) 4-Nitrophenol	9.97	139	392058	70.949	ng	100
57) 2,4-Dinitrotoluene	10.05	165	360982	47.393	ng	97
58) Fluorene	10.40	166	975372	39.342	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	315030	47.515	ng	96
60) Diethylphthalate	10.28	149	1221754	44.741	ng	98
61) 4-Chlorophenyl-phenylether	10.39	204	489519	37.019	ng	99
62) 4-Nitroaniline	10.42	138	289838	40.903	ng	100
63) Azobenzene	10.55	77	1109369	42.673	ng	97
65) 4,6-Dinitro-2-methylphenol	10.45	198	78069	21.136	ng	96
66) n-Nitrosodiphenylamine	10.52	169	1001398	44.363	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	353091	44.135	ng	97
68) Hexachlorobenzene	10.95	284	388353	44.875	ng	# 88
69) Atrazine	11.04	200	295089	52.786	ng	99
70) Pentachlorophenol	11.14	266	374424	75.522	ng	99
71) Phenanthrene	11.36	178	1535073	41.596	ng	100
72) Anthracene	11.42	178	1605050	43.313	ng	99
73) Carbazole	11.57	167	1550378	42.158	ng	99
74) Di-n-butylphthalate	11.90	149	1883730	44.387	ng	99
75) Fluoranthene	12.55	202	1692350	41.372	ng	98
77) Benzidine	12.67	184	760239	58.592	ng	98
78) Pyrene	12.78	202	1730432	49.595	ng	100
80) Butylbenzylphthalate	13.40	149	799384	51.394	ng	98
81) Benzo(a)anthracene	13.97	228	1264534	42.315	ng	99
82) 3,3'-Dichlorobenzidine	13.93	252	470969	41.773	ng	99
83) Chrysene	14.00	228	1383475	44.053	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	982819	51.243	ng	# 99
85) Di-n-octyl phthalate	14.57	149	1848880	48.453	ng	99
87) Indeno(1,2,3-cd)pyrene	16.85	276	1317744	43.237	ng	99
88) Benzo(b)fluoranthene	15.00	252	1249108	47.155	ng	100
89) Benzo(k)fluoranthene	15.03	252	1262804	52.272	ng	99
90) Benzo(a)pyrene	15.36	252	1104215	45.689	ng	99
91) Dibenzo(a,h)anthracene	16.87	278	1125873	45.224	ng	98
92) Benzo(g,h,i)perylene	17.29	276	1083385	44.136	ng	98

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

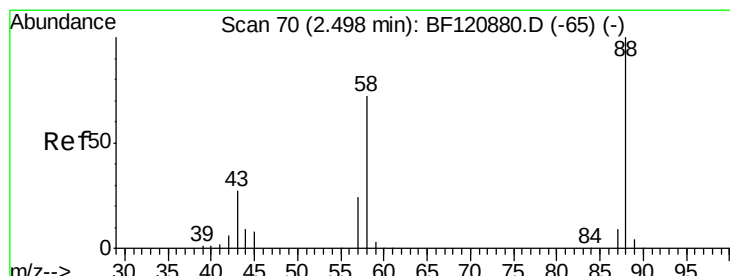
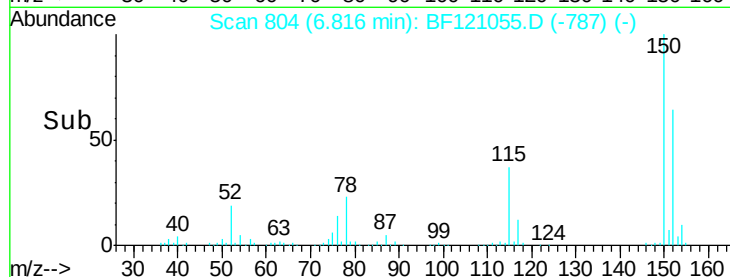
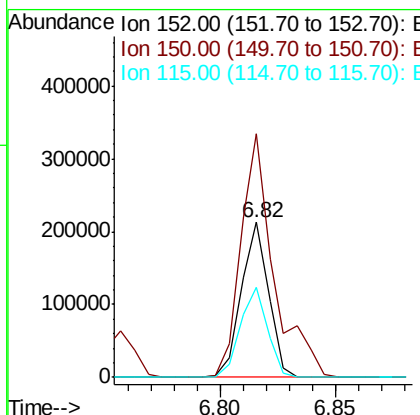
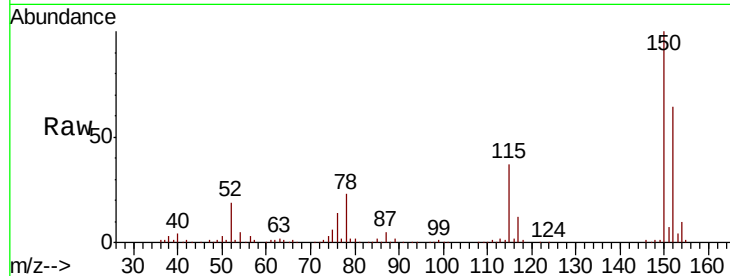


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

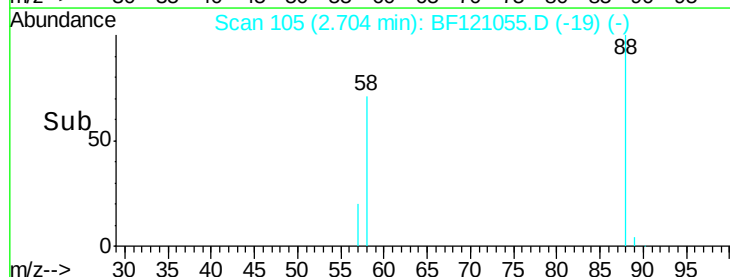
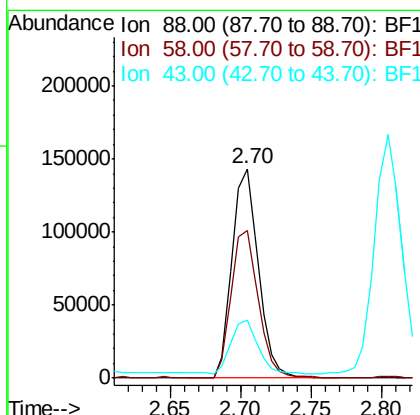
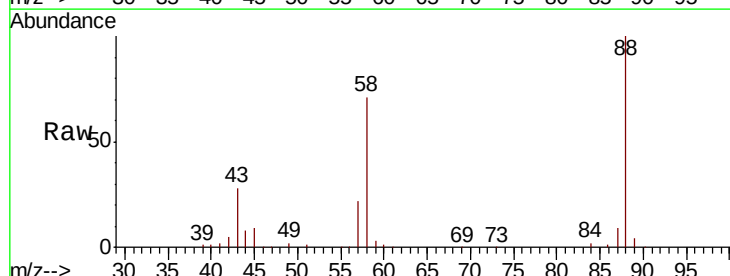
Tot Ion:152 Resp: 175732
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.6
115 57.8 47.0 70.4

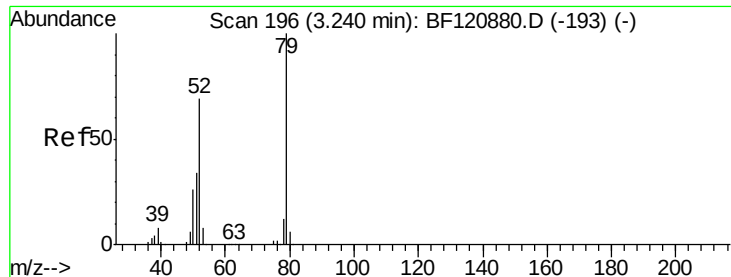


#2

1,4-Dioxane
Concen: 38.068 ng
RT: 2.70 min Scan# 105
Delta R.T. 0.21 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion: 88 Resp: 187809
Ion Ratio Lower Upper
88 100
58 71.4 58.2 87.2
43 0.0 22.1 33.1#





#3

Pvridine

Concen: 28.900 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.18 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

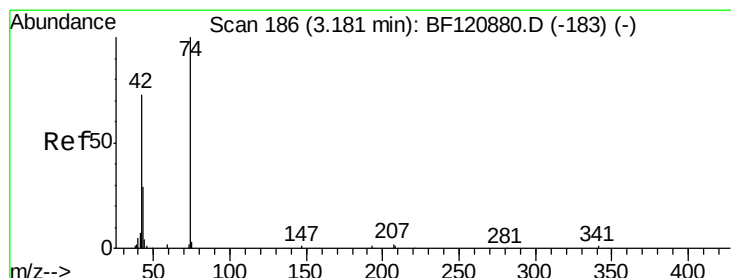
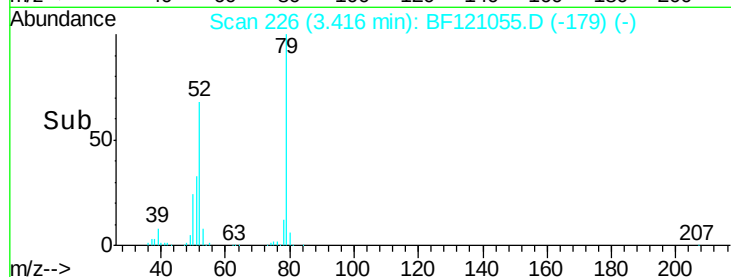
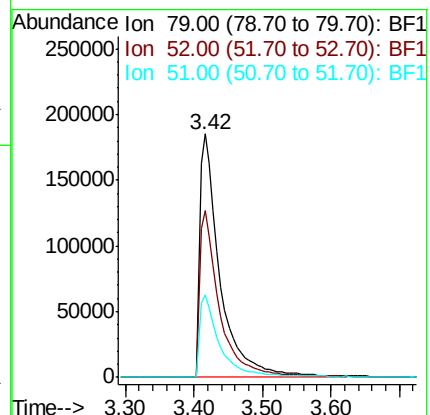
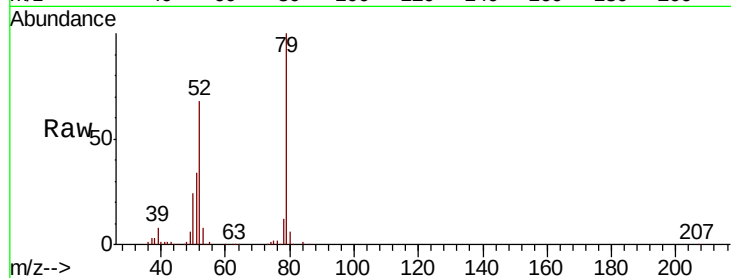
Tot Ion: 79 Resp: 379282

Ion Ratio Lower Upper

79 100

52 68.4 55.0 82.6

51 33.8 26.9 40.3



#4

n-Nitrosodimethylamine

Concen: 41.027 ng

RT: 3.35 min Scan# 214

Delta R.T. 0.16 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

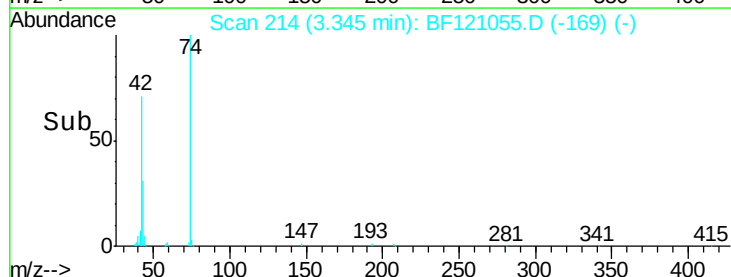
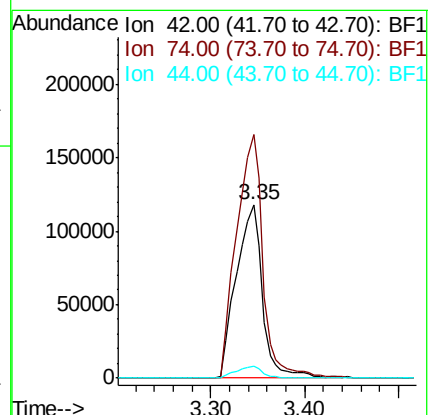
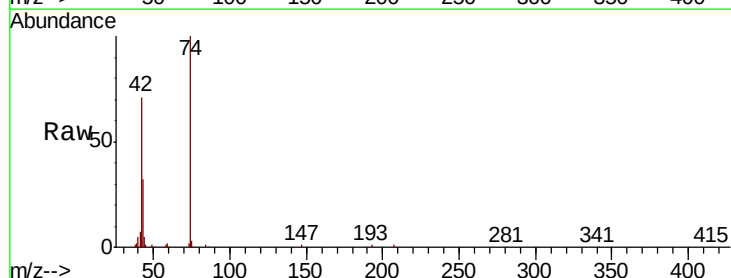
Tgt Ion: 42 Resp: 230241

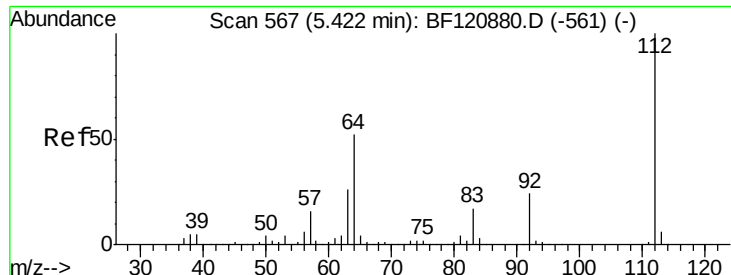
Ion Ratio Lower Upper

42 100

74 140.3 108.7 163.1

44 7.1 5.2 7.8





#5

2-Fluorophenol

Concen: 105.573 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.02 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

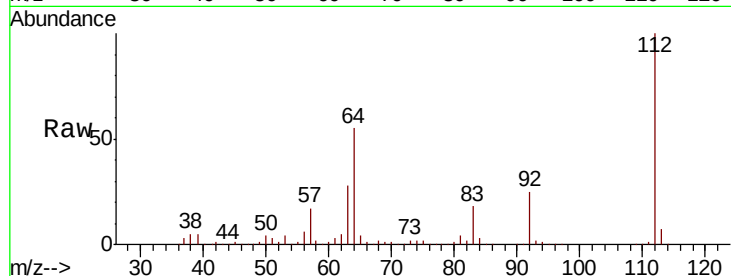
Tot Ion:112 Resp: 1131696

Ion Ratio Lower Upper

112 100

64 54.8 41.3 61.9

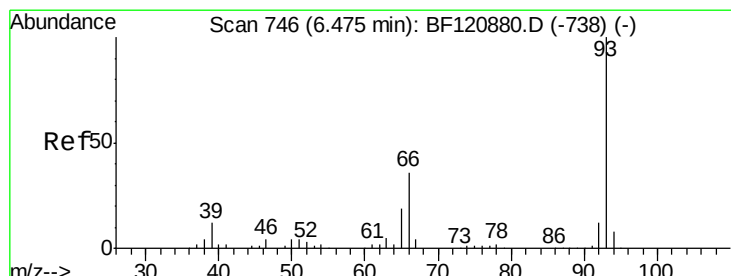
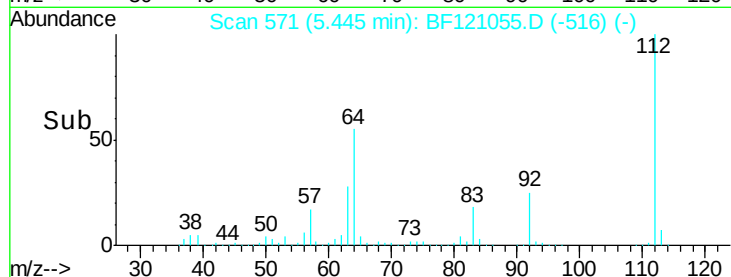
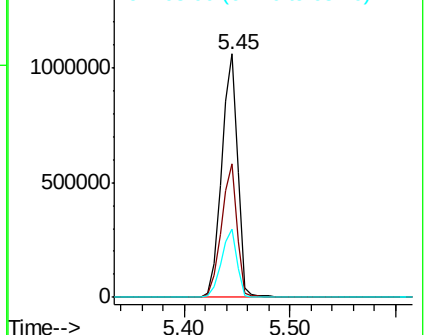
63 28.3 21.1 31.7



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: 29.221 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

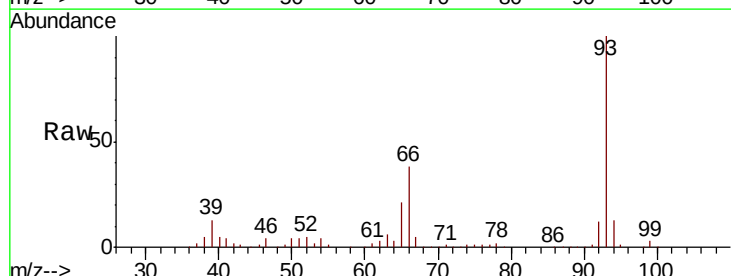
Tgt Ion: 93 Resp: 528174

Ion Ratio Lower Upper

93 100

66 38.3 30.2 45.4

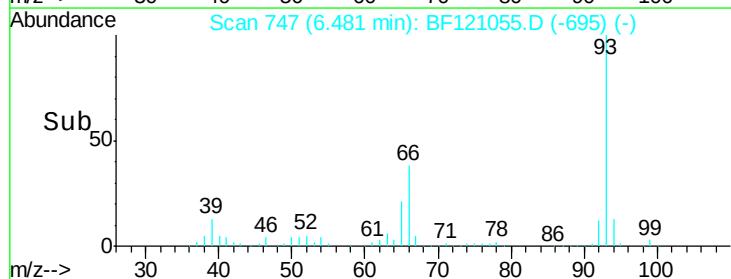
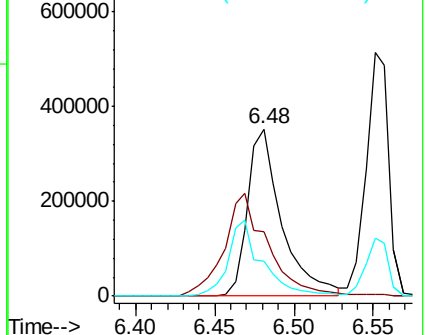
65 20.6 15.8 23.6

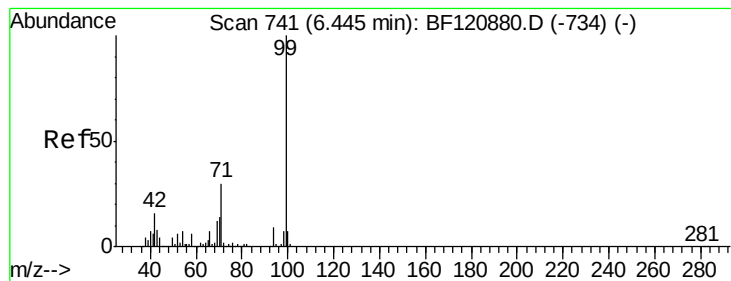


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.839 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

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ClientSampleId :

CTR-007MSD

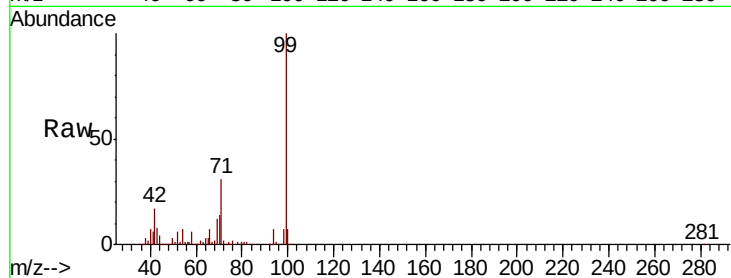
Tot Ion: 99 Resp: 1340930

Ion Ratio Lower Upper

99 100

42 16.7 13.1 19.7

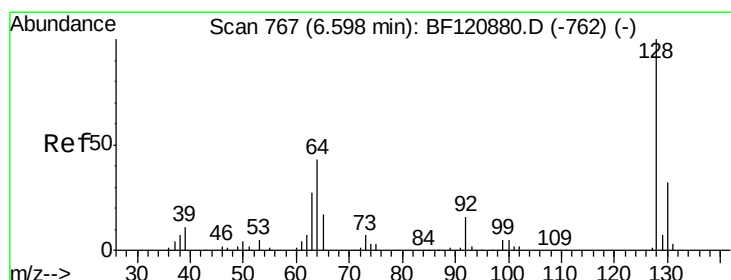
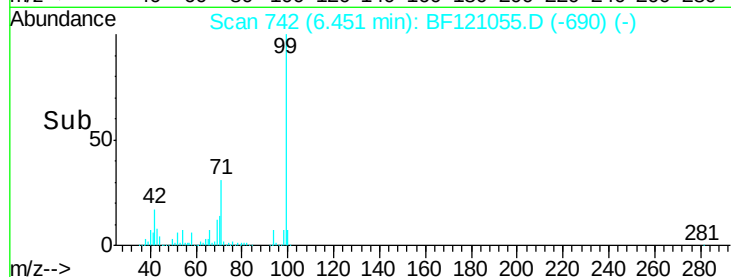
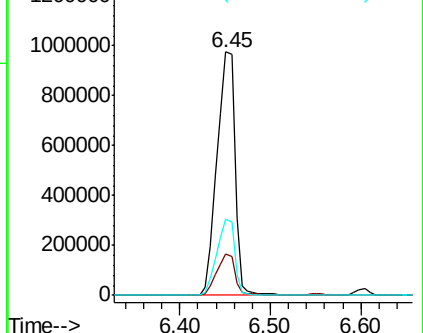
71 31.4 24.2 36.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.938 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

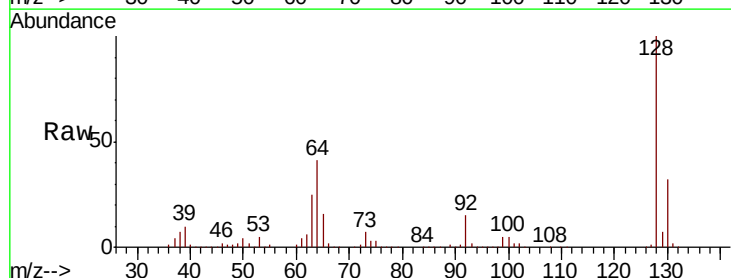
Tgt Ion: 128 Resp: 530674

Ion Ratio Lower Upper

128 100

130 32.3 12.1 52.1

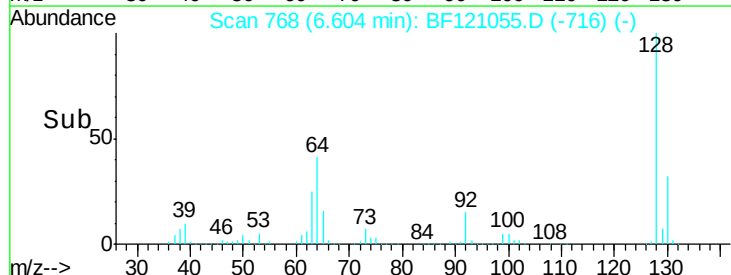
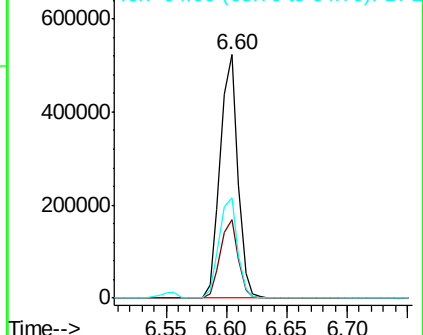
64 41.0 24.0 64.0

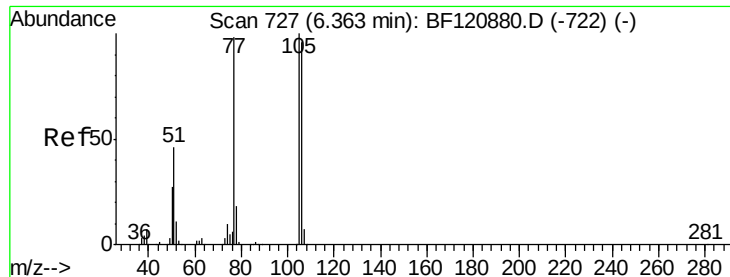


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 30.617 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

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CTR-007MSD

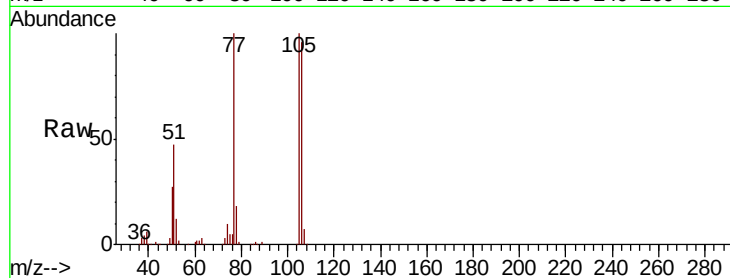
Tot Ion: 77 Resp: 219068

Ion Ratio Lower Upper

77 100

105 100.0 82.5 122.5

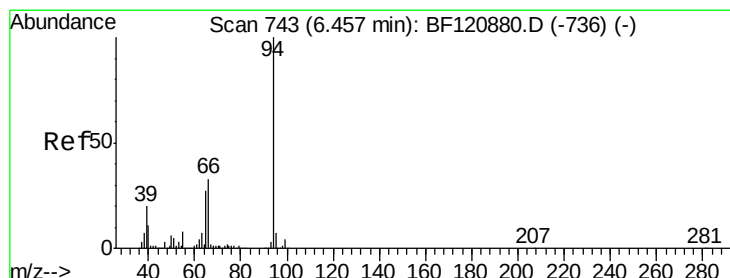
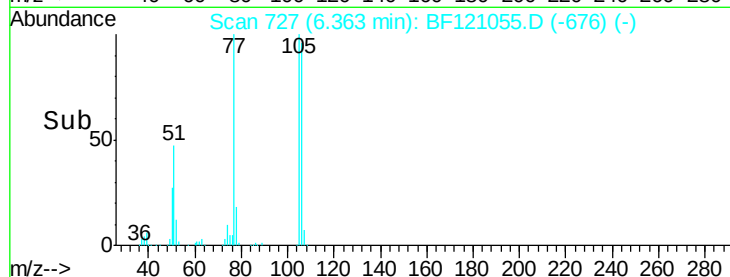
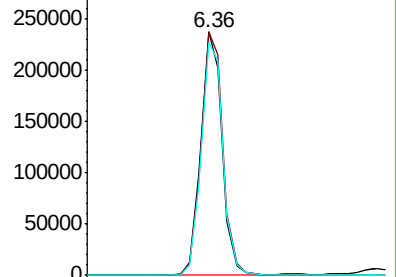
106 96.1 78.7 118.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 35.972 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

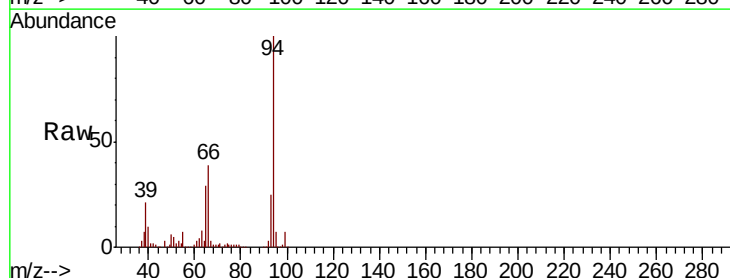
Tgt Ion: 94 Resp: 547925

Ion Ratio Lower Upper

94 100

65 28.7 6.6 46.6

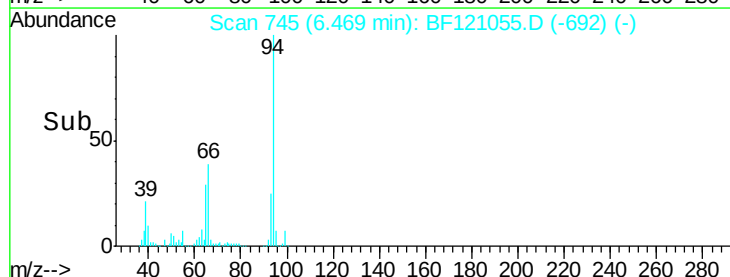
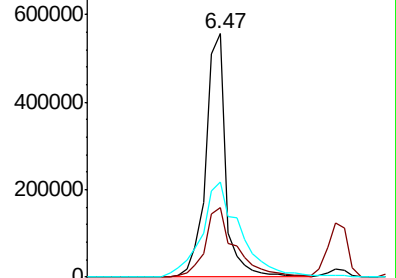
66 39.0 13.2 53.2

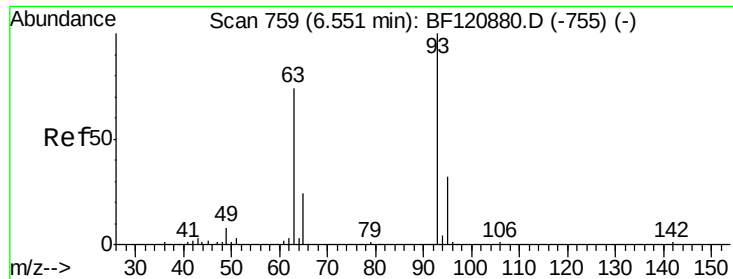


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

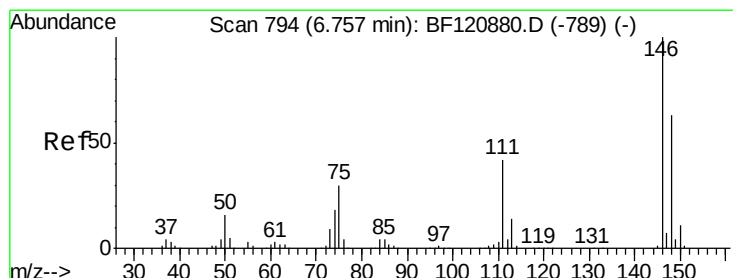
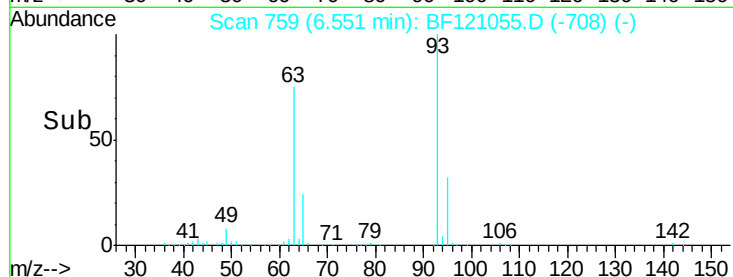
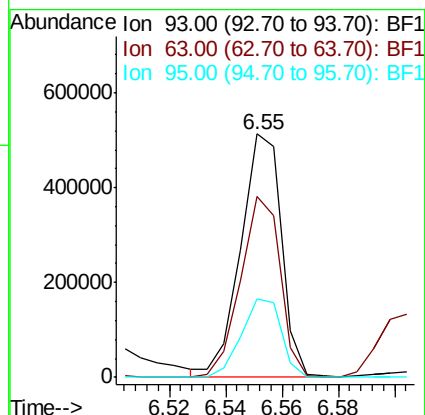
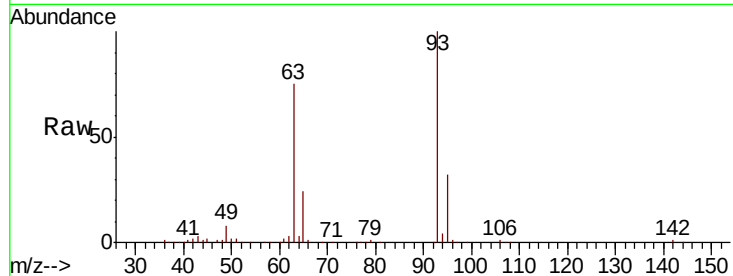




#11
bis(2-Chloroethyl)ether
Concen: 43.912 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

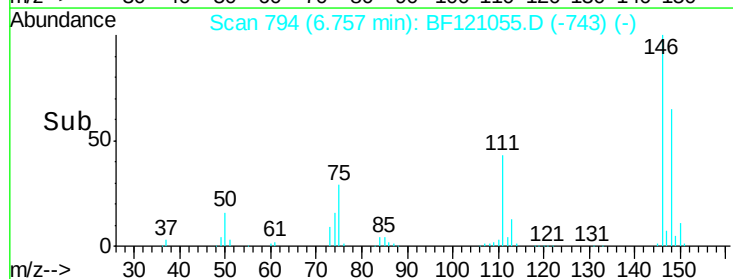
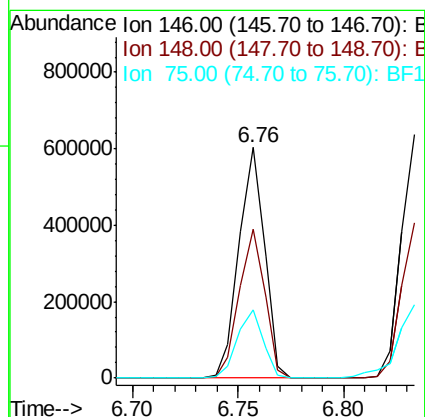
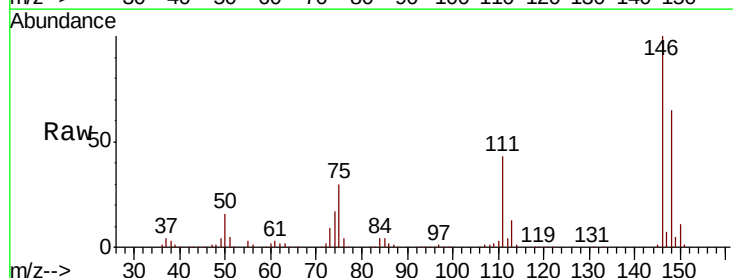
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

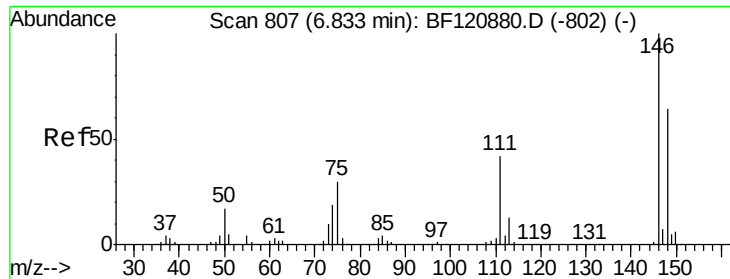
Tot Ion: 93 Resp: 512618
Ion Ratio Lower Upper
93 100
63 74.5 54.2 94.2
95 32.0 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.509 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion: 146 Resp: 505922
Ion Ratio Lower Upper
146 100
148 64.7 50.6 75.8
75 29.7 24.1 36.1

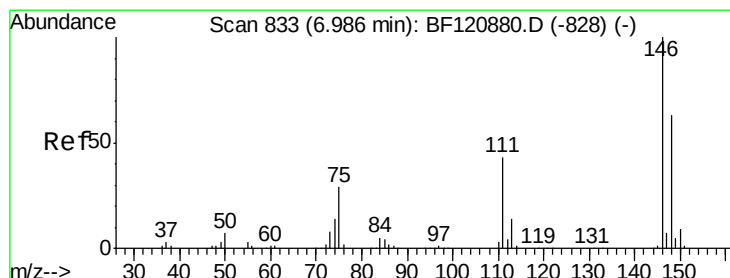
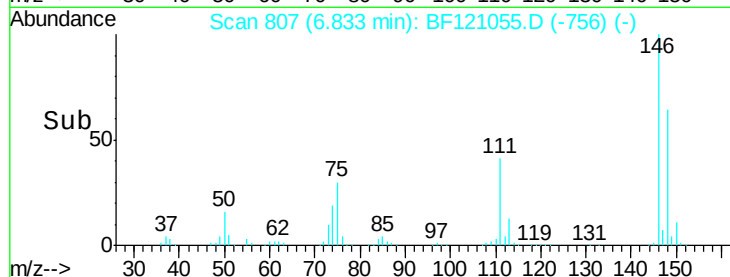
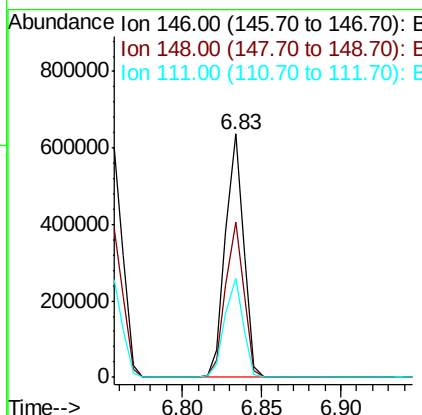
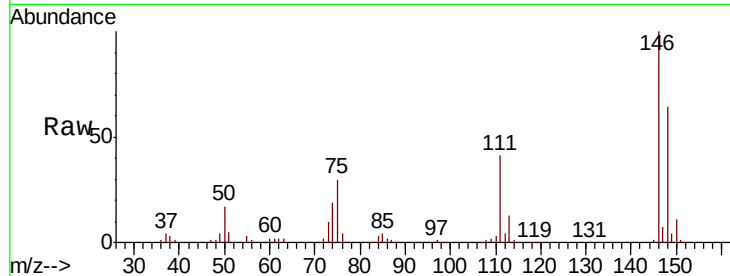




#13
 1,4-Dichlorobenzene
 Concen: 39.958 ng
 RT: 6.83 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

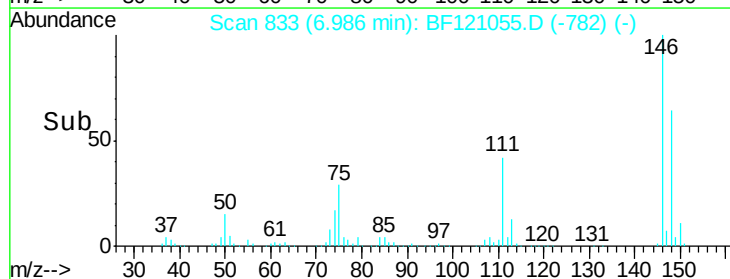
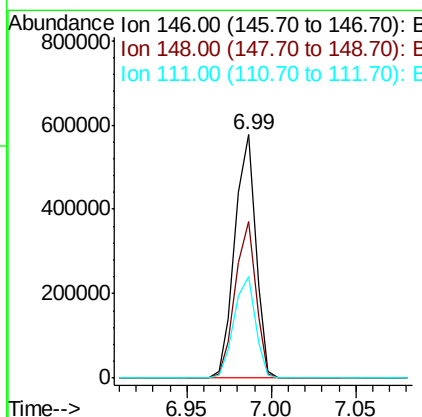
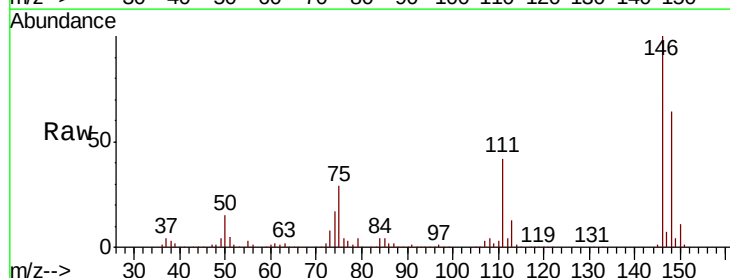
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

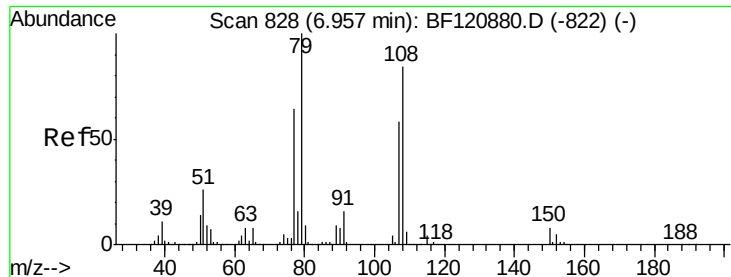
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
111	40.9	33.5	50.3



#14
 1,2-Dichlorobenzene
 Concen: 41.301 ng
 RT: 6.99 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	41.9	34.2	51.2





#15

Benzyl Alcohol

Concen: 44.146 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

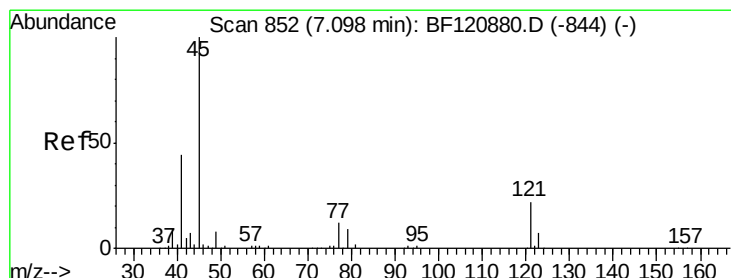
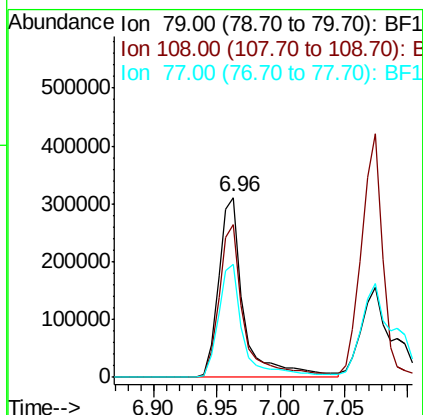
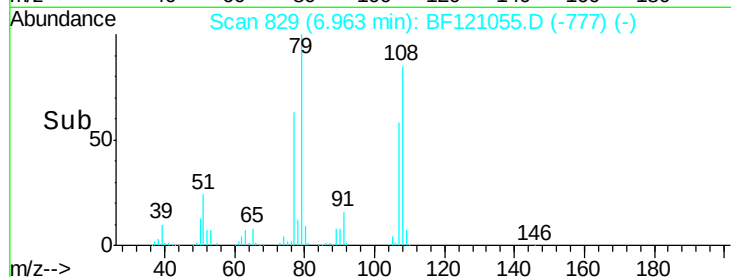
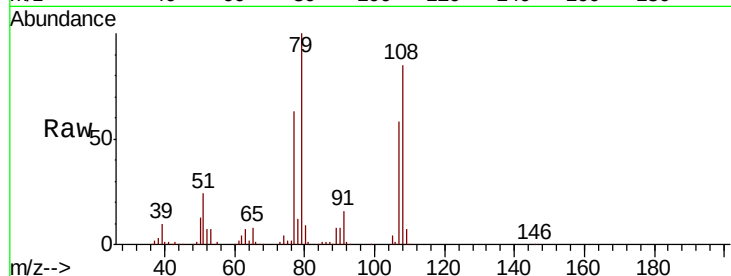
Tot Ion: 79 Resp: 432298

Ion Ratio Lower Upper

79 100

108 84.9 67.0 100.6

77 62.7 51.0 76.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.976 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

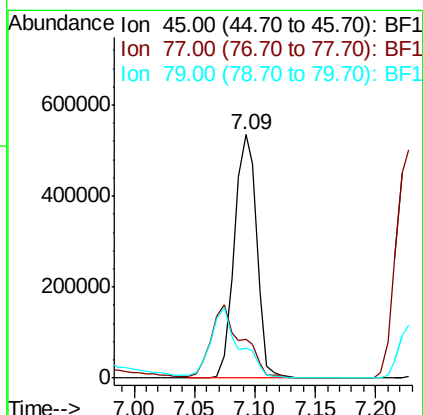
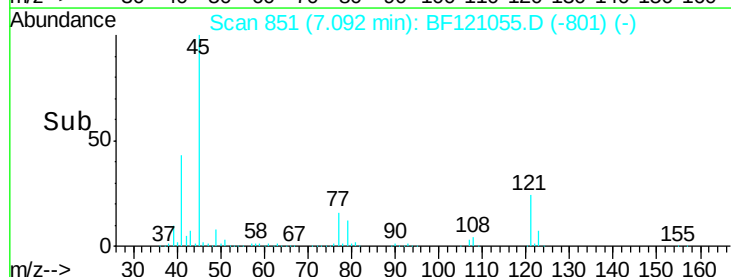
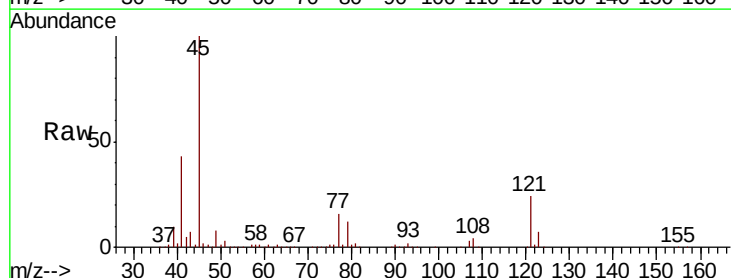
Tgt Ion: 45 Resp: 689463

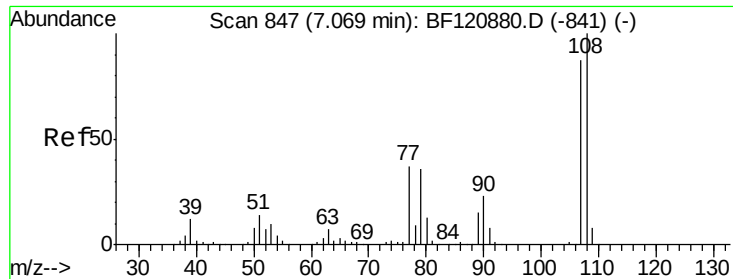
Ion Ratio Lower Upper

45 100

77 15.7 0.0 34.3

79 12.4 0.0 31.0

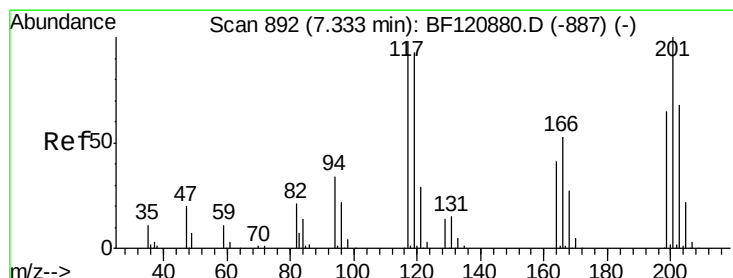
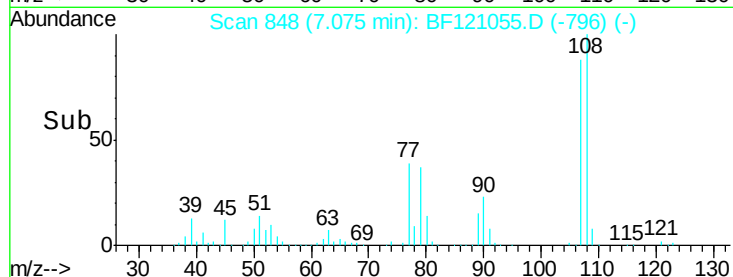
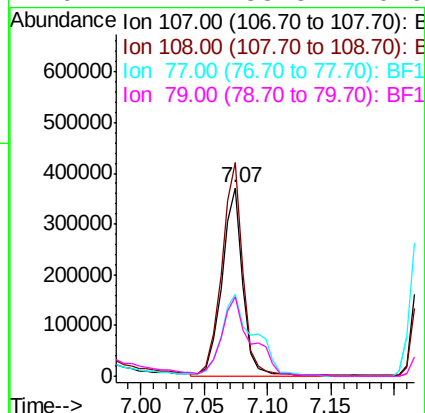
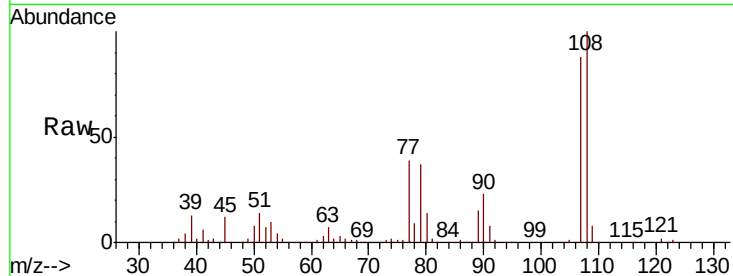




#17
2-Methylphenol
Concen: 40.675 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

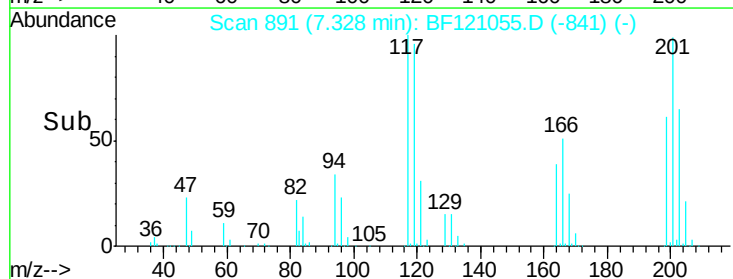
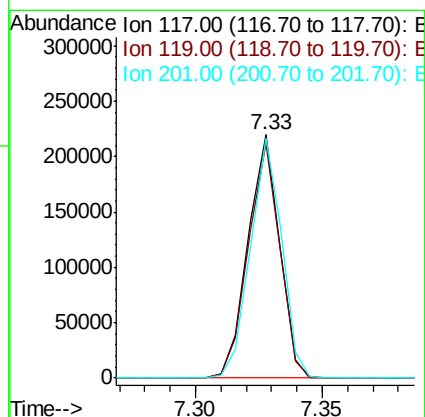
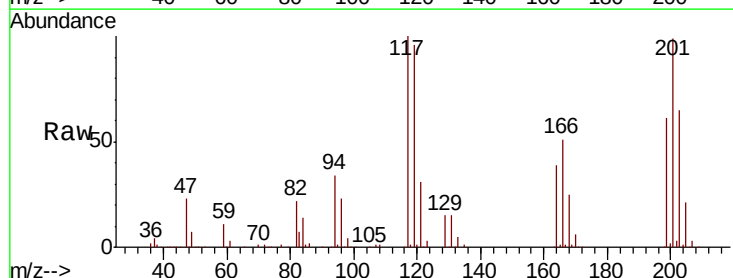
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

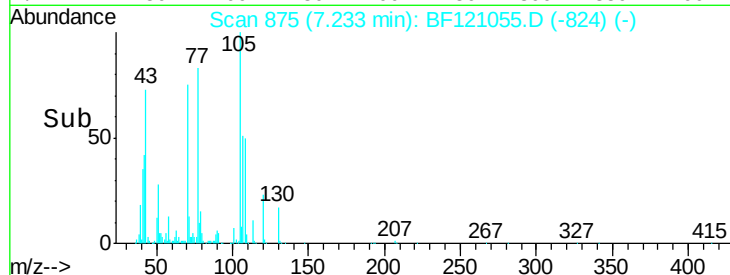
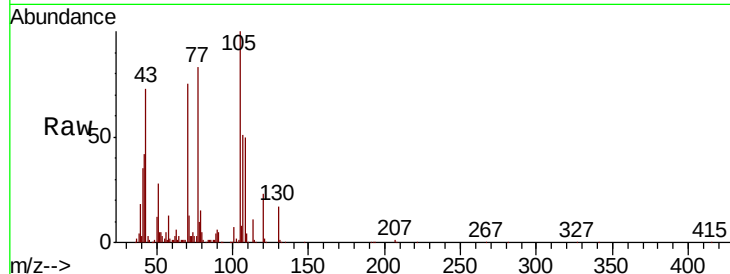
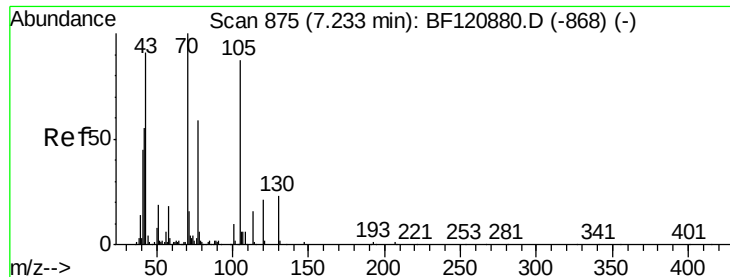
Tot Ion:107 Resp: 425728
Ion Ratio Lower Upper
107 100
108 113.4 92.0 138.0
77 43.7 34.0 51.0
79 42.1 33.3 49.9



#18
Hexachloroethane
Concen: 41.343 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:117 Resp: 190534
Ion Ratio Lower Upper
117 100
119 96.3 76.0 114.0
201 98.6 81.7 122.5

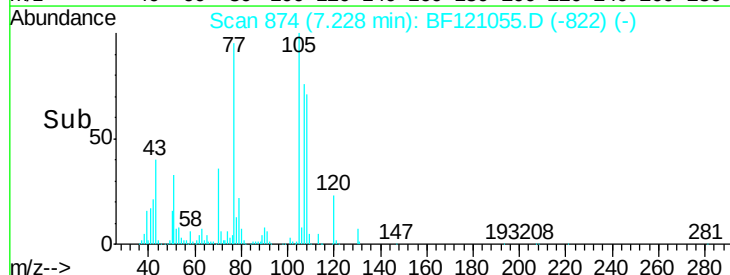
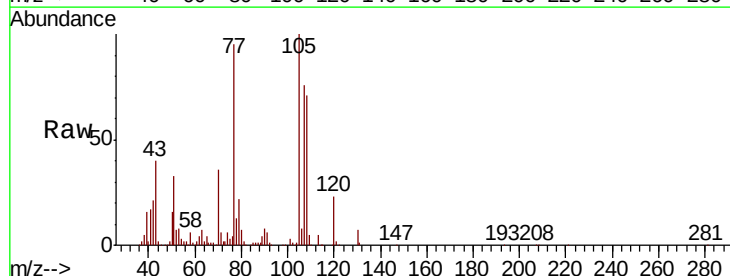
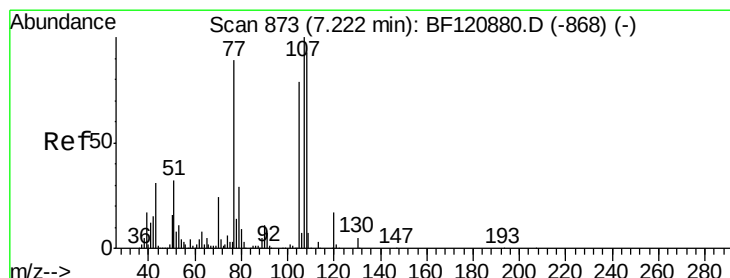
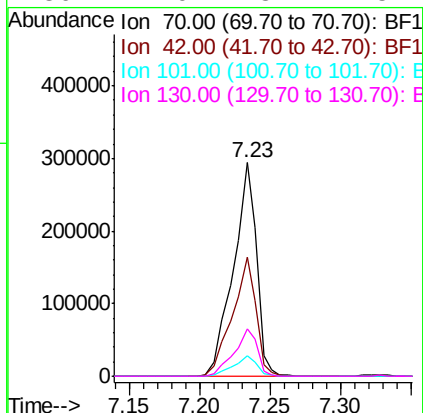




#19
n-Nitroso-di-n-propylamine
Concen: 42.699 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

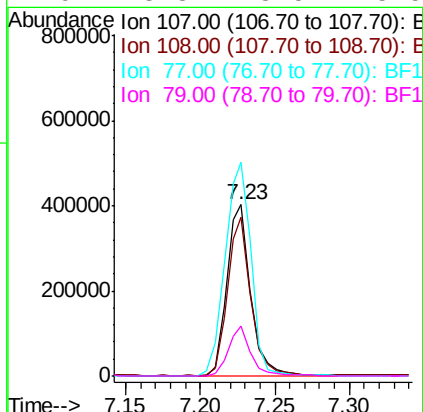
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

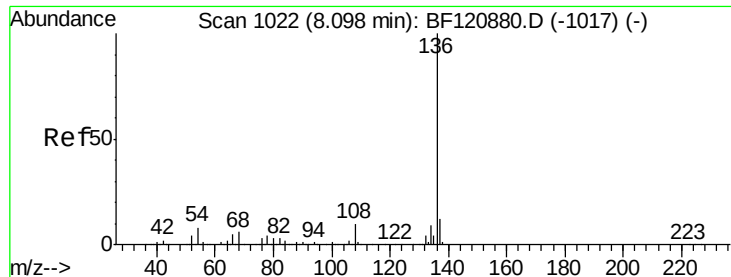
Tot Ion:	70	Resp:	336205
Ion	Ratio	Lower	Upper
70	100		
42	55.6	44.0	66.0
101	9.5	7.8	11.6
130	22.0	18.7	28.1



#20
3+4-Methylphenols
Concen: 33.905 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:	107	Resp:	451429
Ion	Ratio	Lower	Upper
107	100		
108	93.0	72.8	112.8
77	124.7	68.7	108.7#
79	28.8	8.5	48.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

Tot Ion:136 Resp: 692356

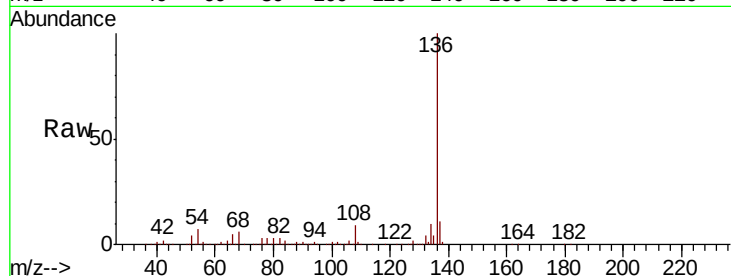
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.3 6.3 9.5

68 5.8 5.0 7.4

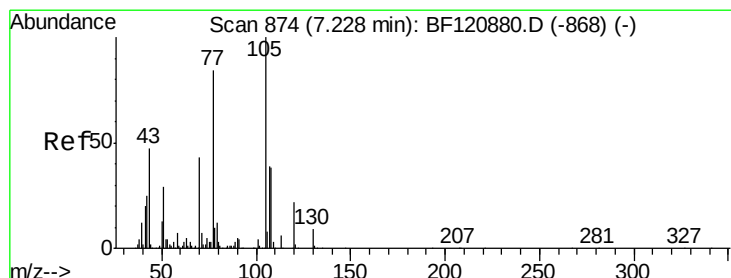
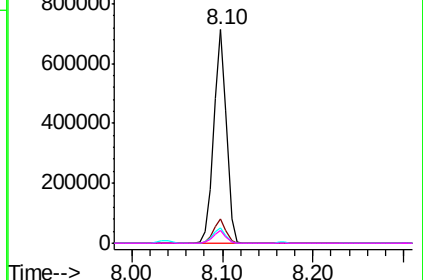
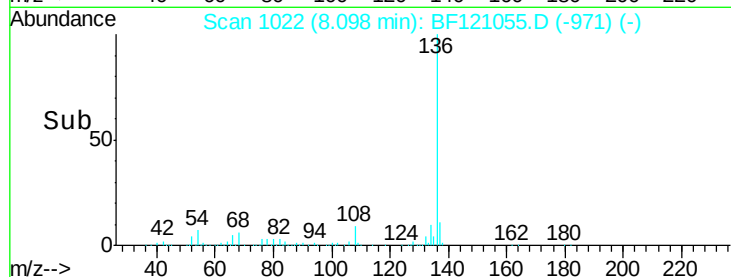


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.774 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Tgt Ion:105 Resp: 664638

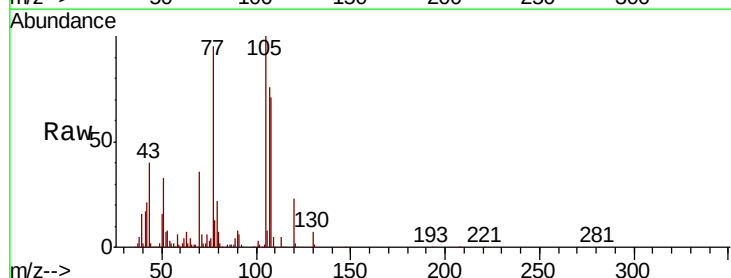
Ion Ratio Lower Upper

105 100

71 5.9 5.7 8.5

51 32.8 22.9 34.3

120 22.6 18.0 27.0

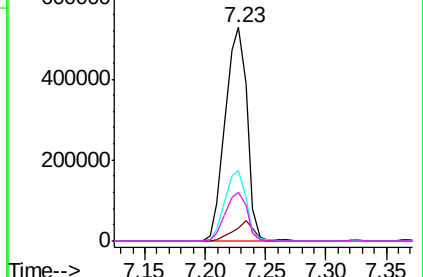
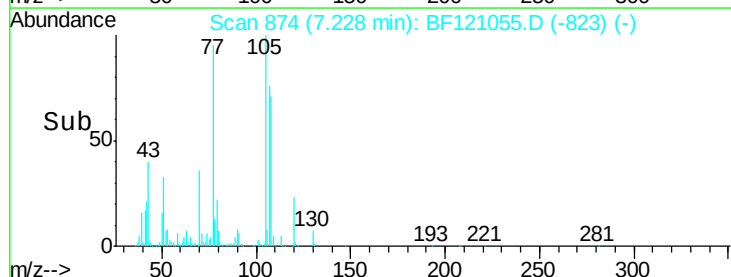


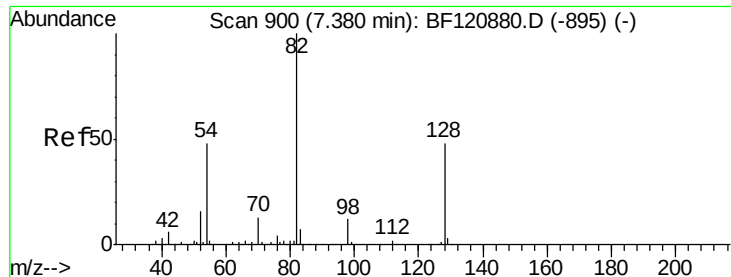
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

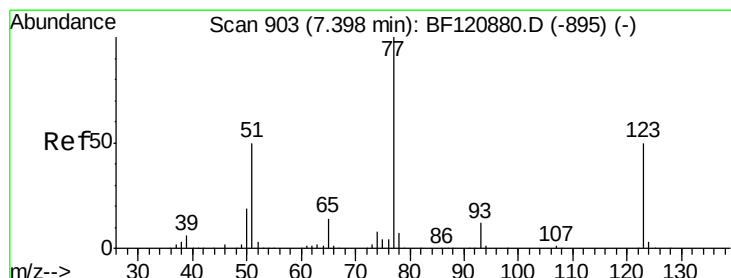
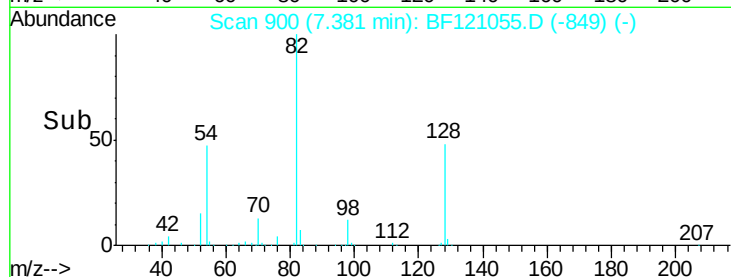
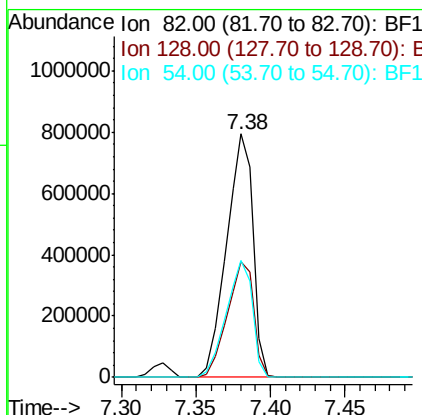
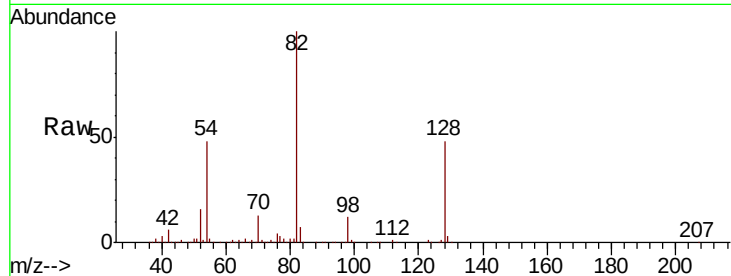




#23
 Nitrobenzene-d5
 Concen: 82.652 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

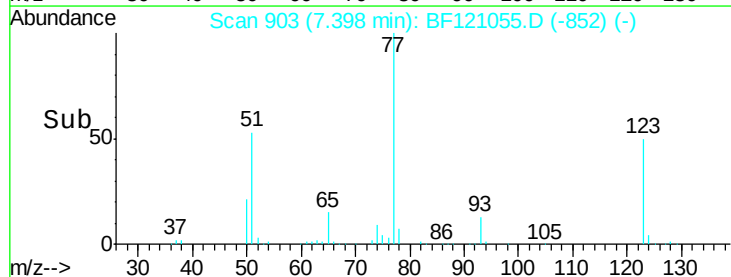
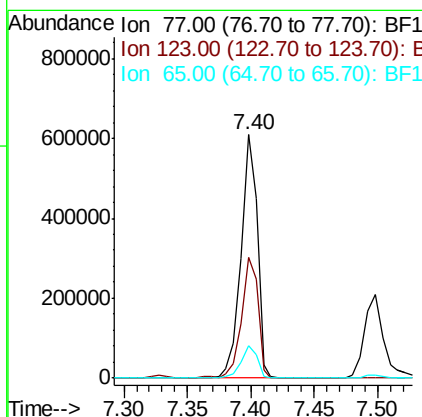
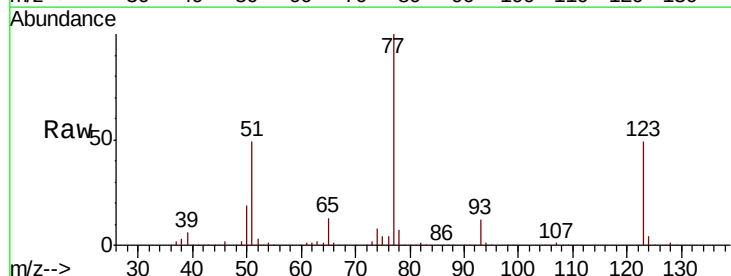
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

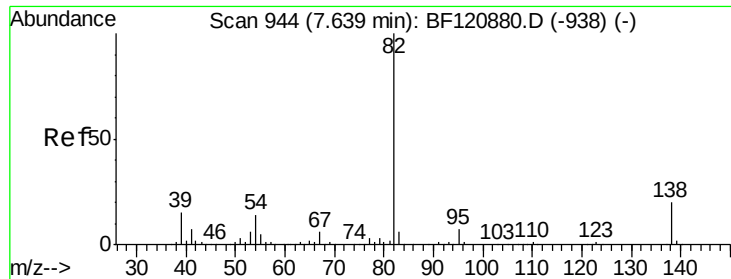
Tot Ion	82	Resp	988971
Ion Ratio	100	Lower	Upper
128	47.7	38.2	57.4
54	48.1	38.7	58.1



#24
 Nitrobenzene
 Concen: 41.526 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion	77	Resp	535537
Ion Ratio	100	Lower	Upper
123	49.5	40.1	60.1
65	13.4	10.8	16.2





#25

Isophorone

Concen: 42.844 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

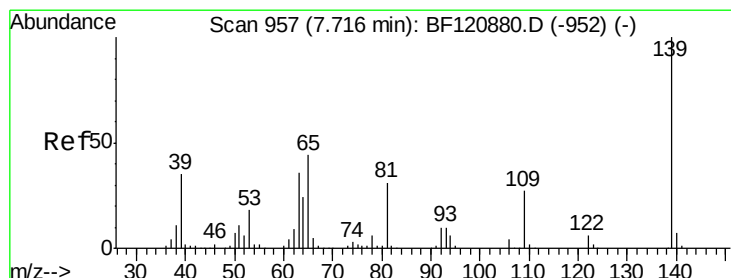
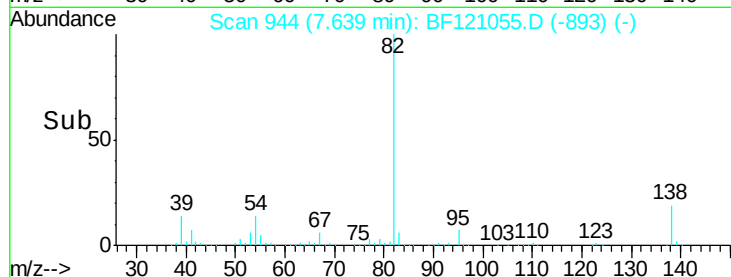
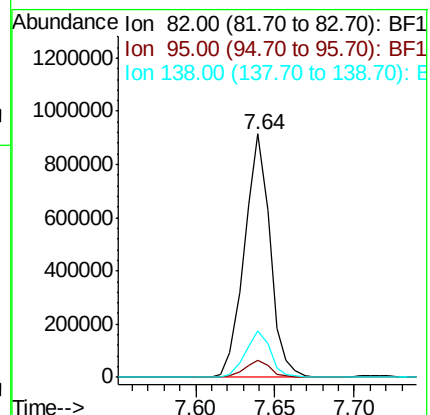
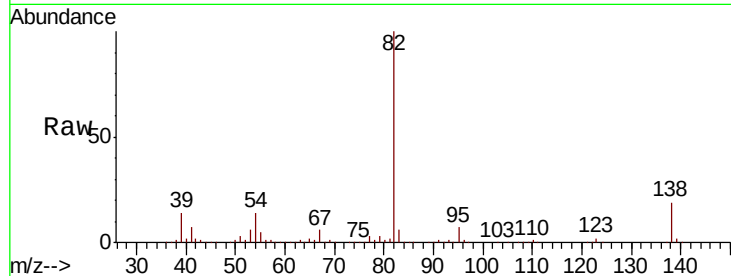
Tot Ion: 82 Resp: 1023123

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

138 19.0 15.6 23.4



#26

2-Nitrophenol

Concen: 46.515 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

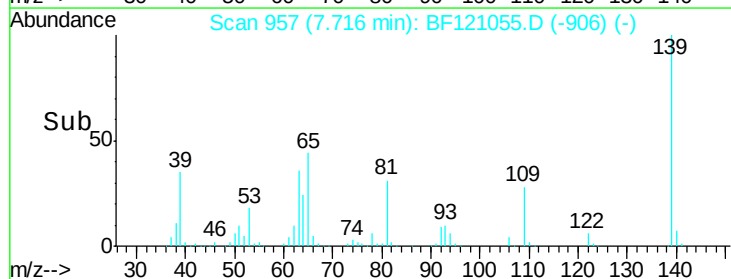
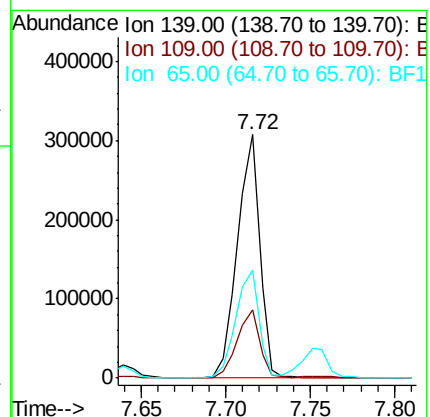
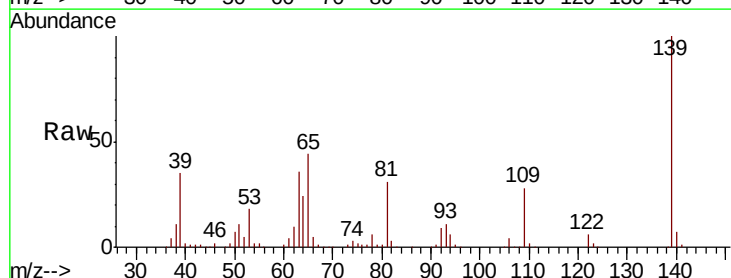
Tgt Ion: 139 Resp: 284898

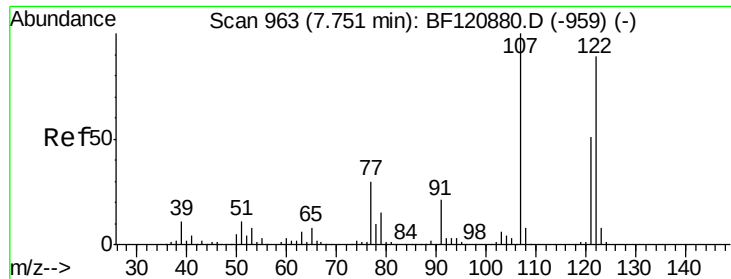
Ion Ratio Lower Upper

139 100

109 28.0 21.6 32.4

65 44.5 35.3 52.9

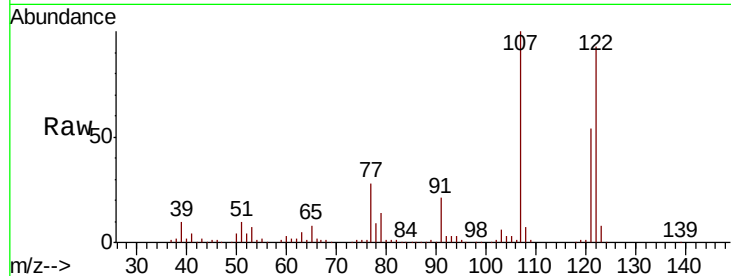




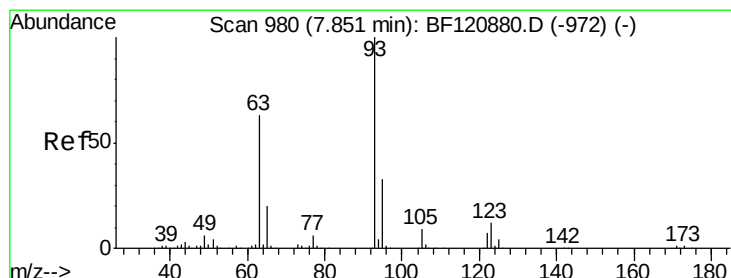
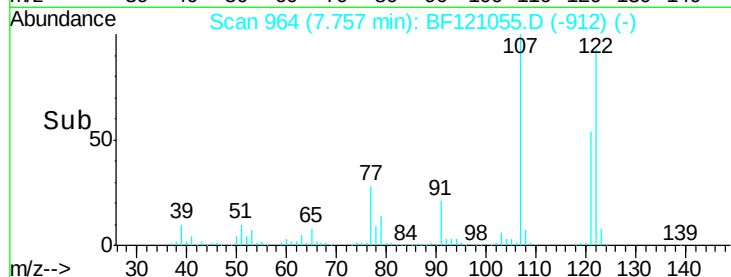
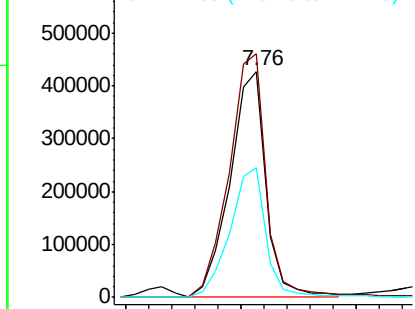
#27
 2,4-Dimethylphenol
 Concen: 46.734 ng
 RT: 7.76 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

Tot Ion:122 Resp: 464743
 Ion Ratio Lower Upper
 122 100
 107 107.8 89.4 134.0
 121 57.7 46.0 69.0

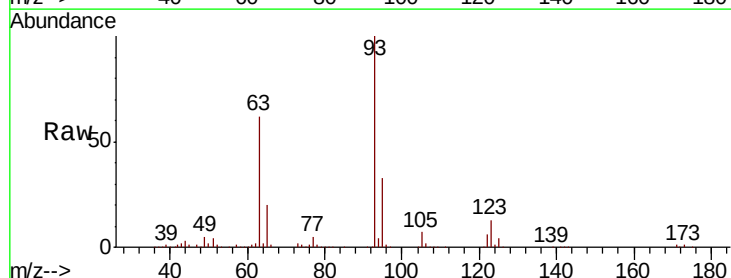


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

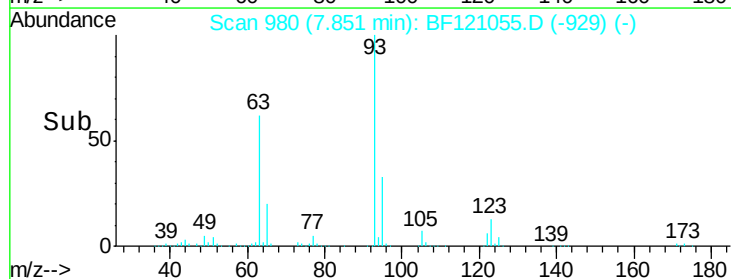
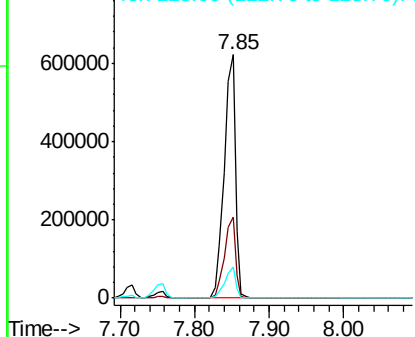


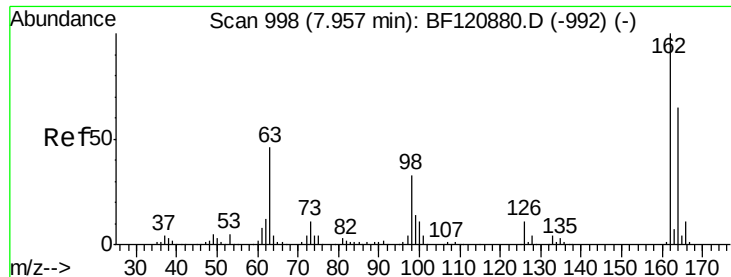
#28
 bis(2-Chloroethoxy)methane
 Concen: 45.409 ng
 RT: 7.85 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion: 93 Resp: 661928
 Ion Ratio Lower Upper
 93 100
 95 33.4 26.6 39.8
 123 12.7 10.0 15.0



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E

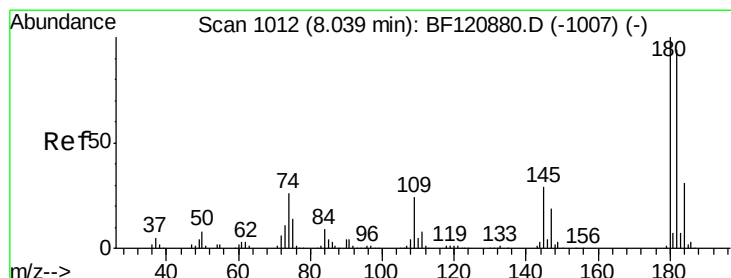
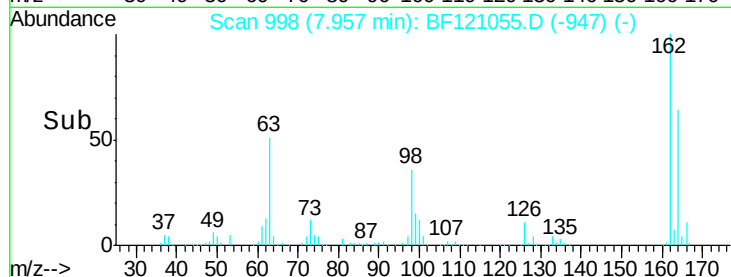
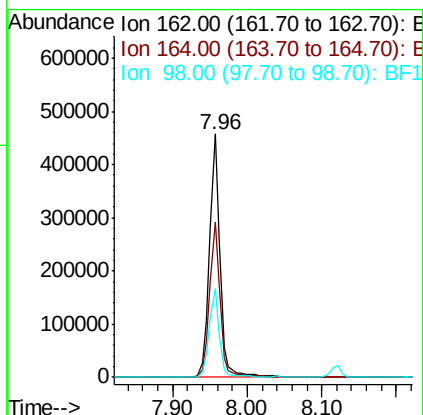
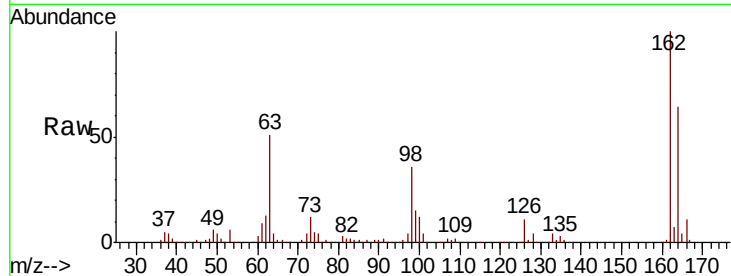




#29
 2,4-Dichlorophenol
 Concen: 44.756 ng
 RT: 7.96 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

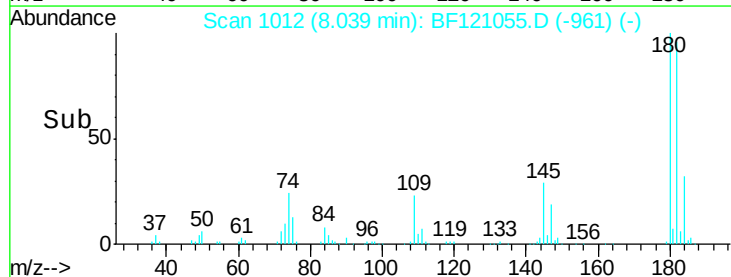
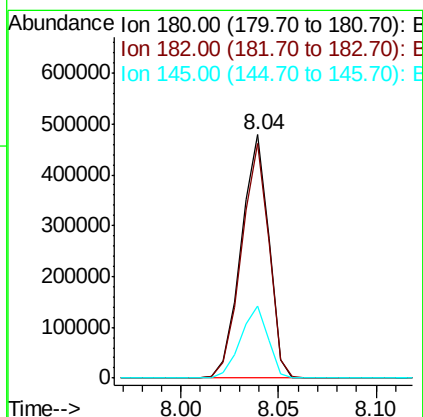
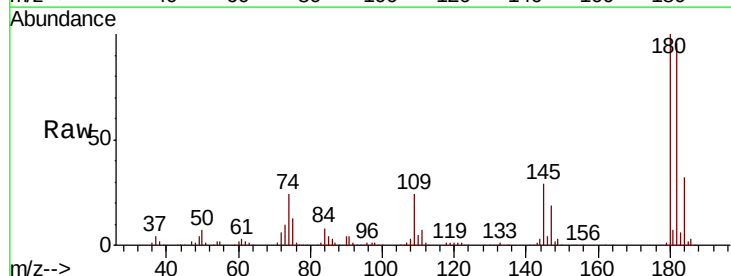
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

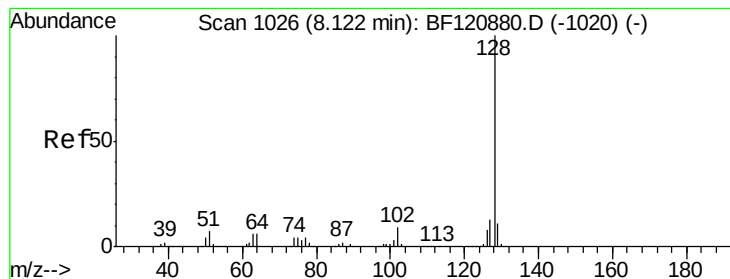
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	45.3	85.3
98	36.2	13.3	53.3



#30
 1,2,4-Trichlorobenzene
 Concen: 41.659 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.0	112.6
145	29.4	23.5	35.3





#31

Naphthalene

Concen: 40.815 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

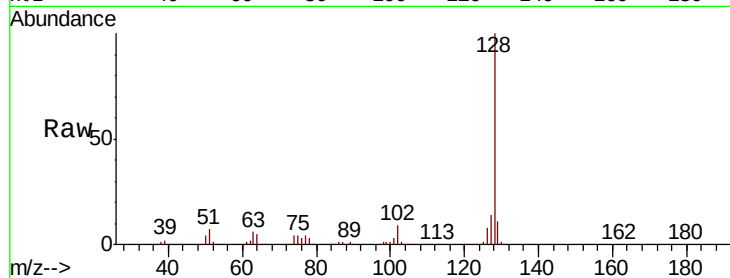
Tot Ion:128 Resp: 1449529

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

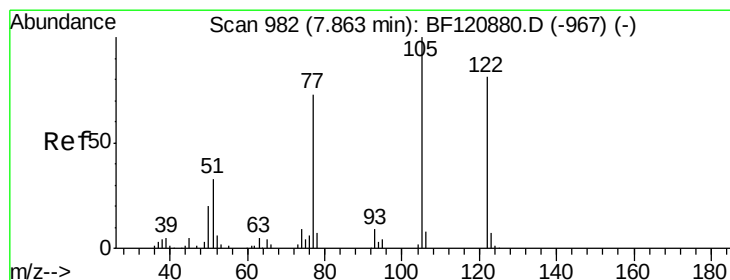
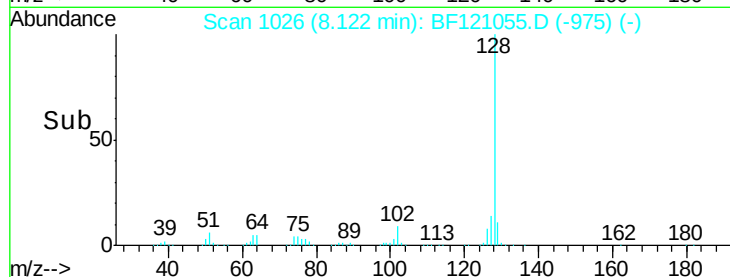
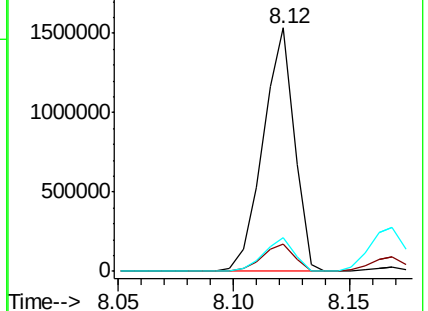
127 13.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.436 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

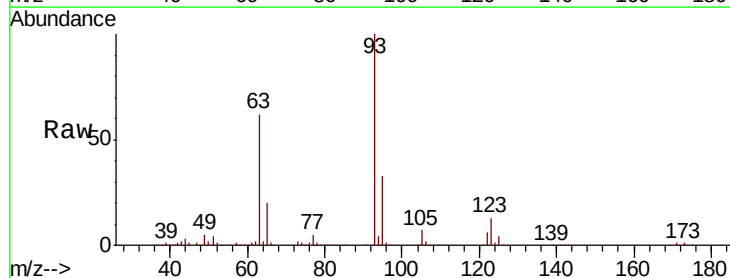
Tgt Ion:122 Resp: 100300

Ion Ratio Lower Upper

122 100

105 112.4 101.3 141.3

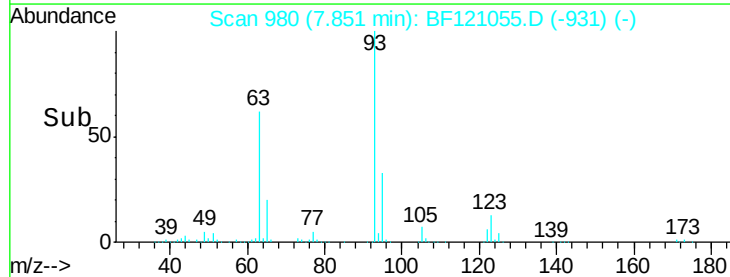
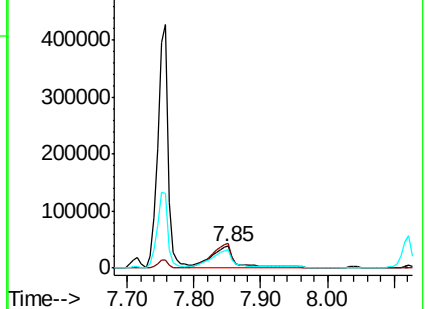
77 83.1 69.1 109.1

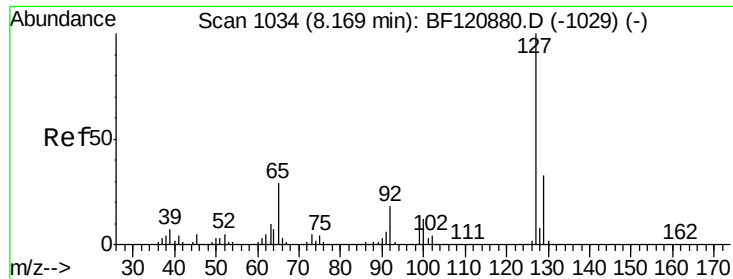


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

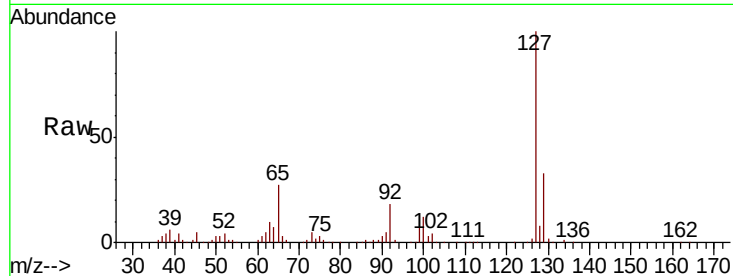




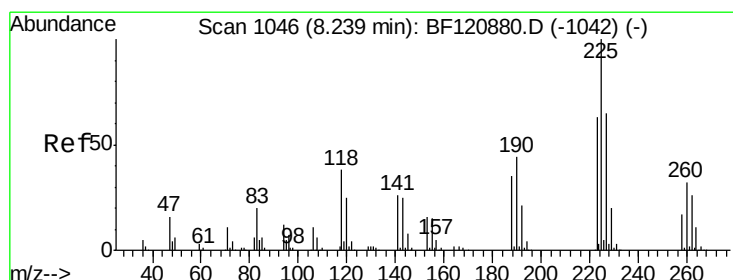
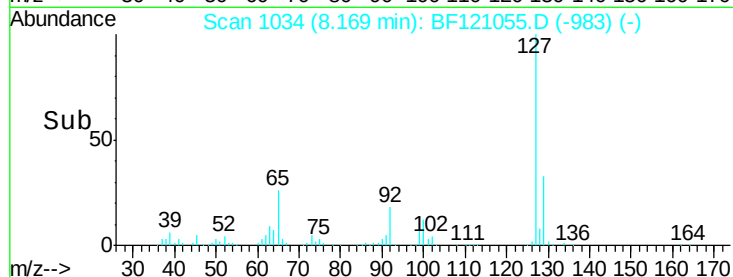
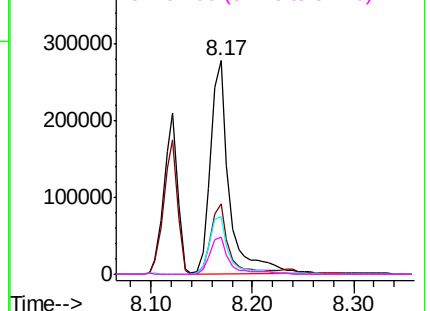
#33
4-Chloroaniline
Concen: 22.806 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:	127	Resp:	361319
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.5	39.7
65	26.8	23.0	34.4
92	17.6	14.5	21.7

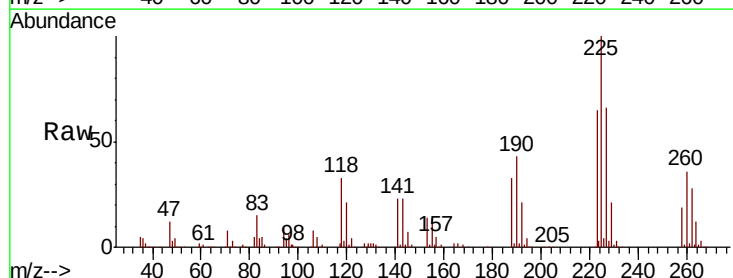


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

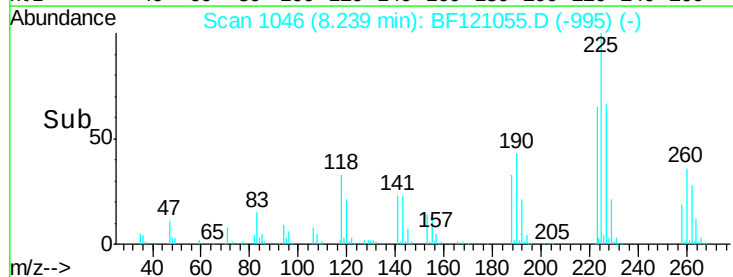
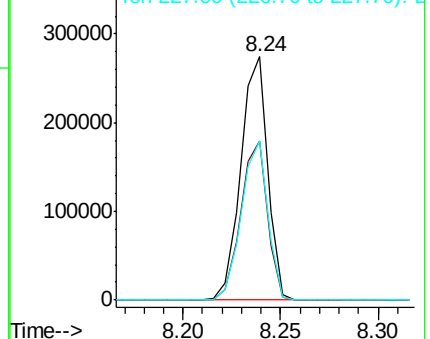


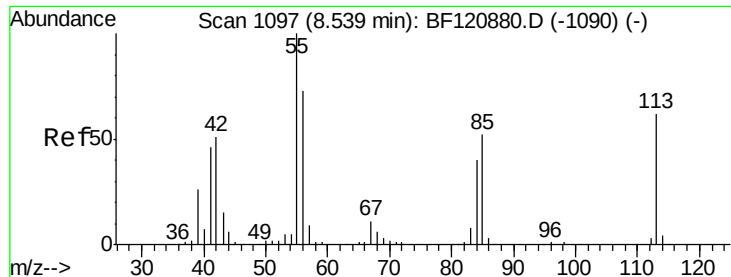
#34
Hexachlorobutadiene
Concen: 39.465 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:	225	Resp:	262293
Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.6	76.0
227	65.5	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

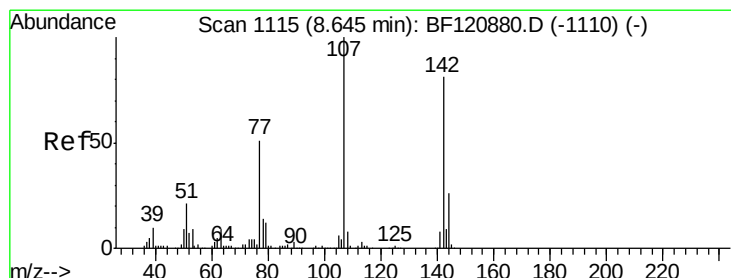
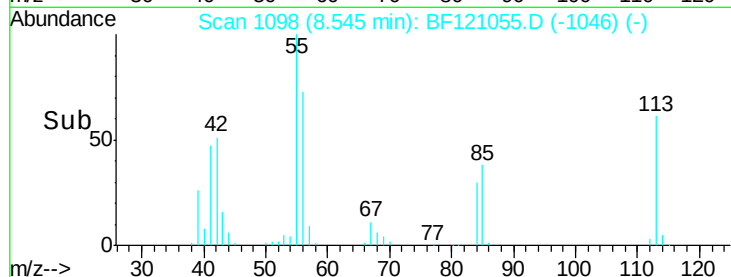
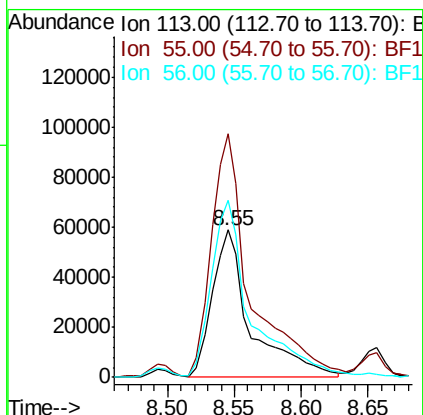
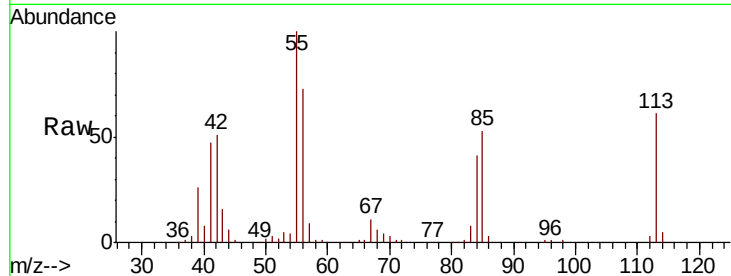




#35
 Caprolactam
 Concen: 35.785 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

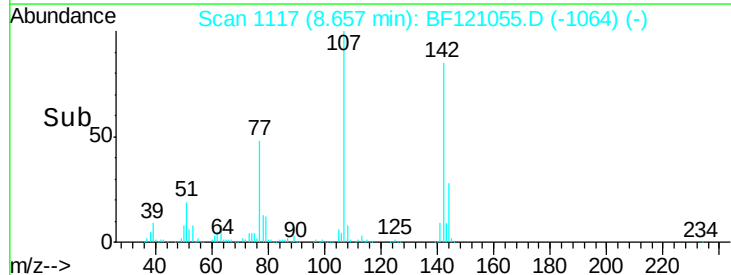
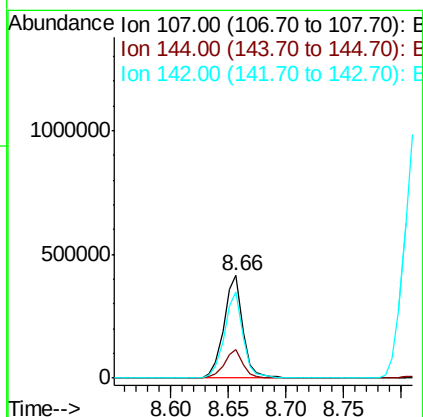
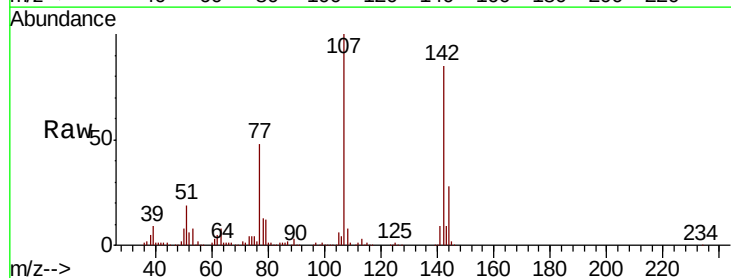
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

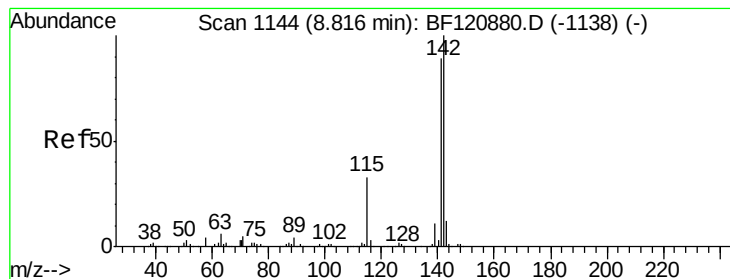
Tot Ion:113 Resp: 116612
 Ion Ratio Lower Upper
 113 100
 55 165.0 143.3 183.3
 56 119.9 99.4 139.4



#36
 4-Chloro-3-methylphenol
 Concen: 45.662 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:107 Resp: 475881
 Ion Ratio Lower Upper
 107 100
 144 27.7 21.0 31.6
 142 84.8 65.0 97.6





#37

2-Methylnaphthalene

Concen: 44.219 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

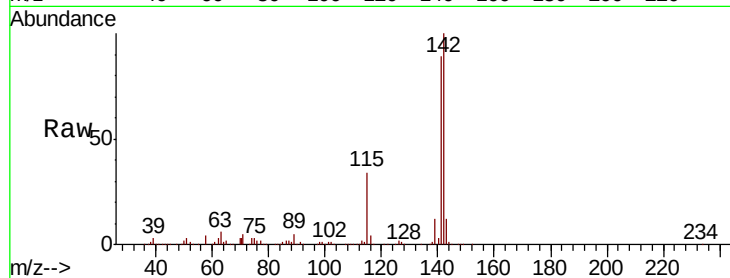
Tot Ion:142 Resp: 1019679

Ion Ratio Lower Upper

142 100

141 89.0 71.0 106.4

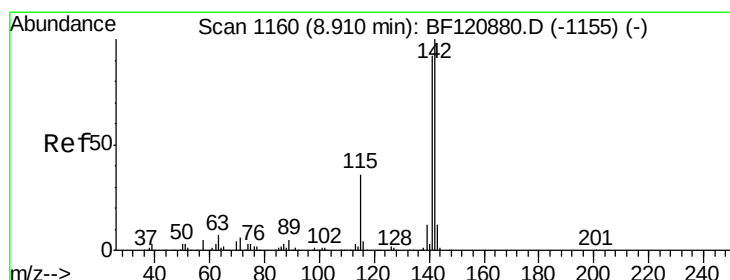
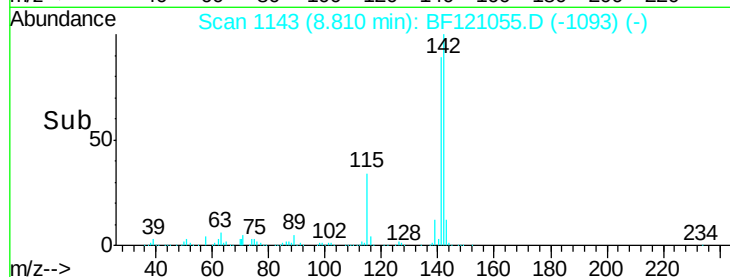
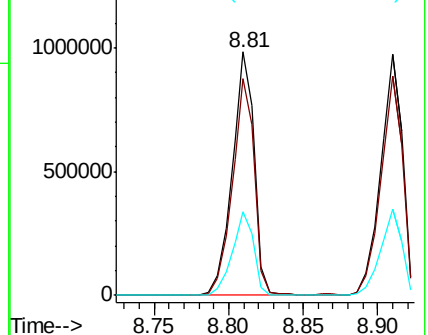
115 34.1 26.0 39.0



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: 44.078 ng

RT: 8.91 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

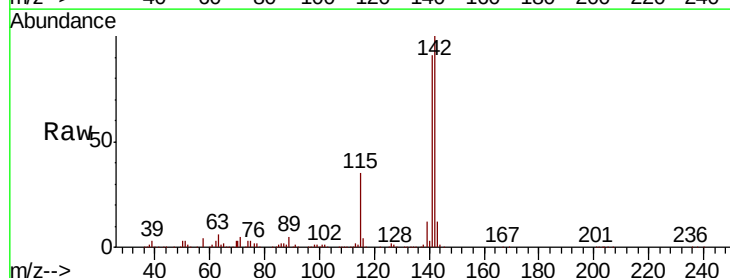
Tgt Ion:142 Resp: 962655

Ion Ratio Lower Upper

142 100

141 91.2 73.7 110.5

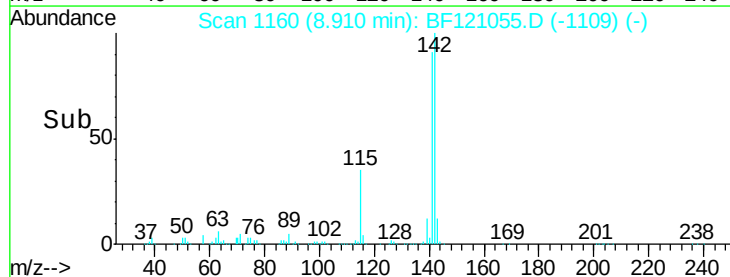
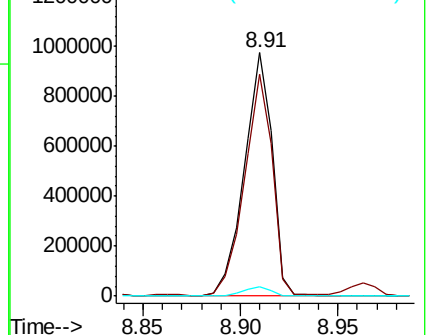
116 3.8 3.0 4.6

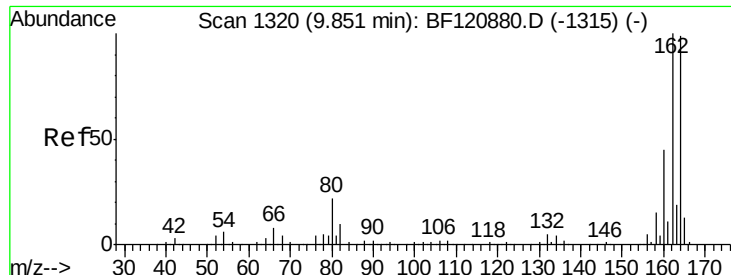


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

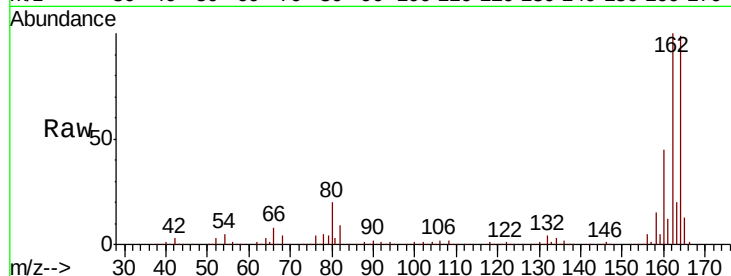
Tot Ion:164 Resp: 374219

Ion Ratio Lower Upper

164 100

162 101.4 81.2 121.8

160 45.6 36.9 55.3

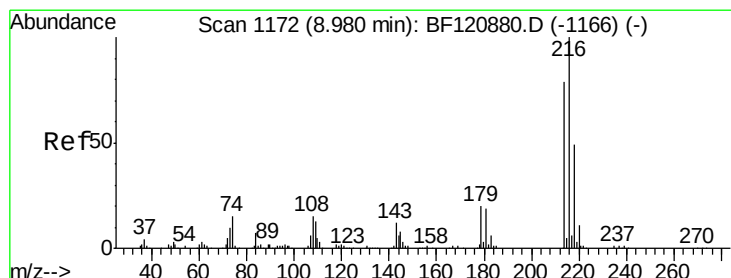
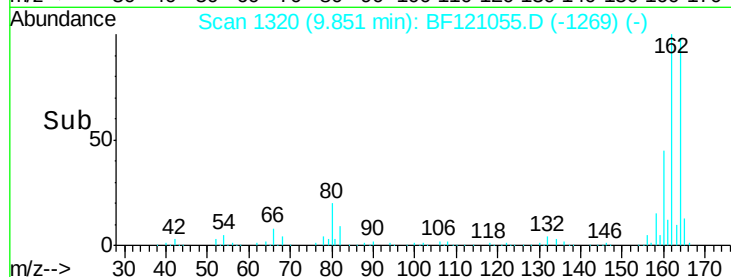
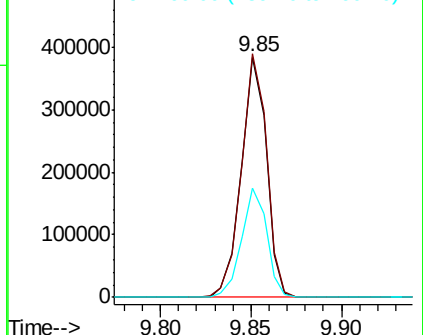


Abundance

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: 42.314 ng

RT: 8.98 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Tgt Ion:216 Resp: 461355

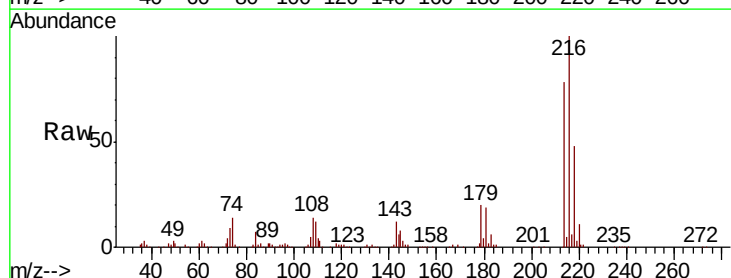
Ion Ratio Lower Upper

216 100

214 78.7 63.8 95.8

179 20.7 16.6 24.8

108 20.1 15.4 23.0



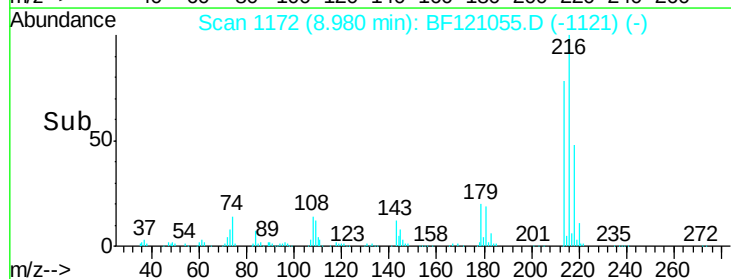
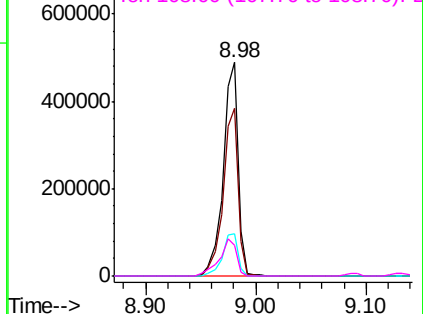
Abundance

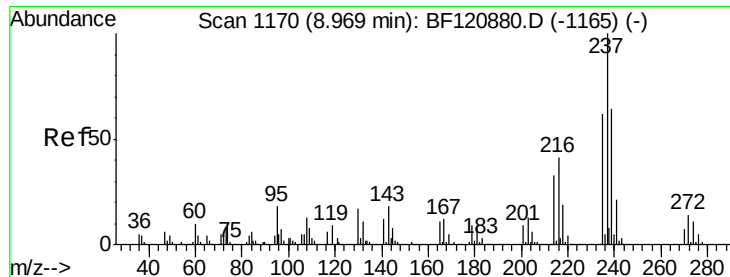
Ion 216.00 (215.70 to 216.70): E

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: 71.228 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

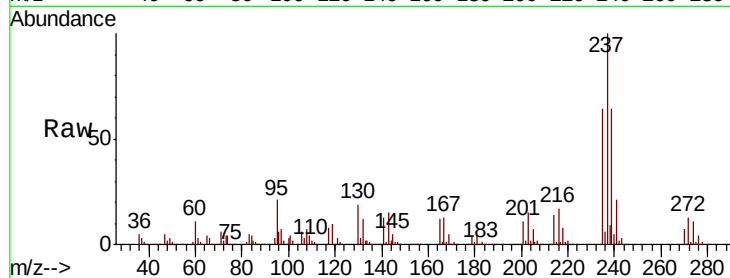
Tot Ion:237 Resp: 429213

Ion Ratio Lower Upper

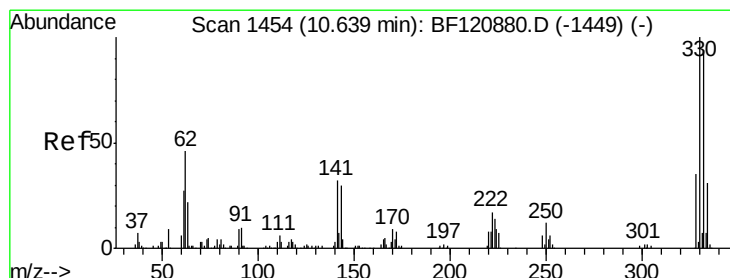
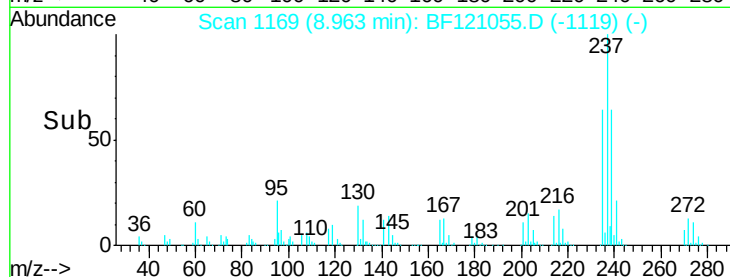
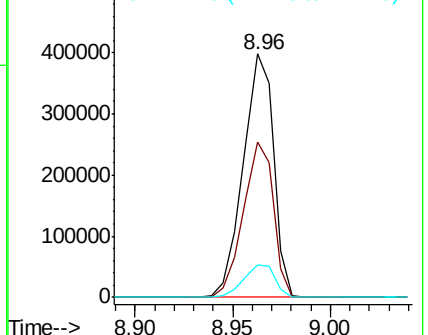
237 100

235 64.0 41.6 81.6

272 13.4 0.0 33.7



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: 121.973 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

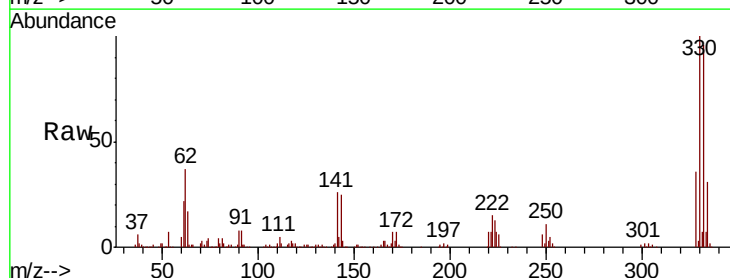
Tgt Ion:330 Resp: 499625

Ion Ratio Lower Upper

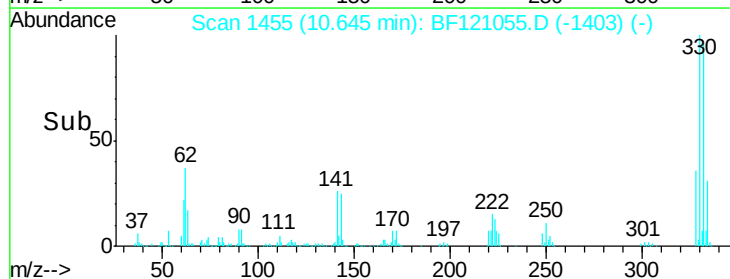
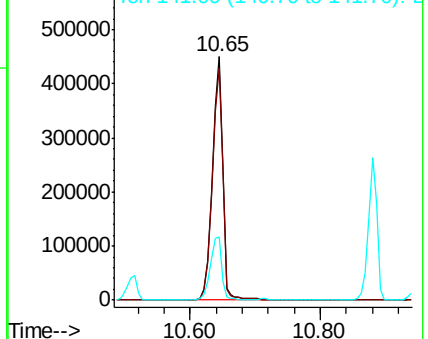
330 100

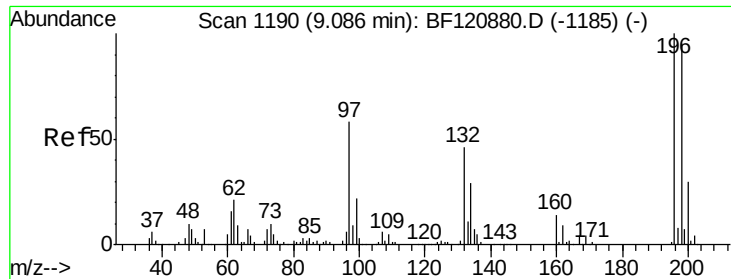
332 96.1 75.5 113.3

141 28.5 25.7 38.5



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

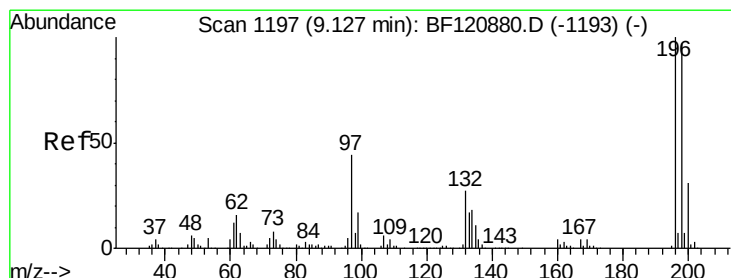
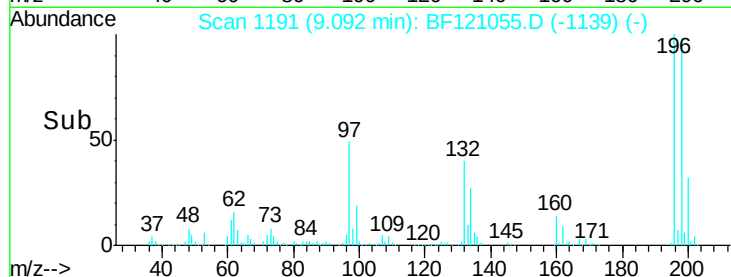
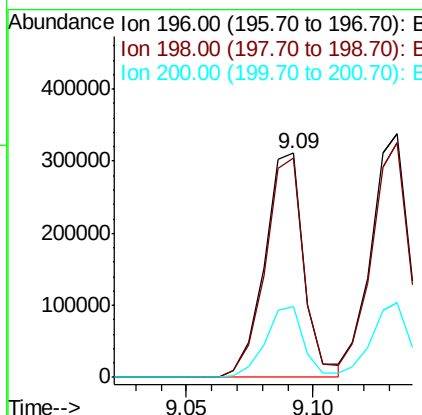
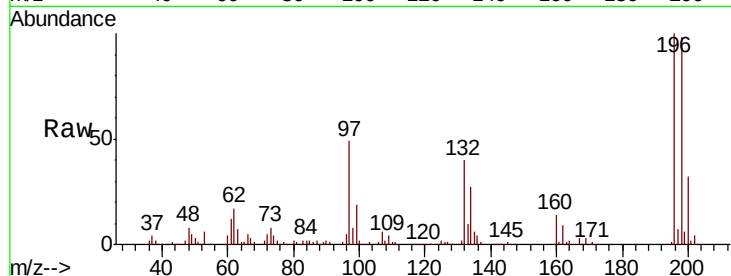




#43
 2,4,6-Trichlorophenol
 Concen: 44.303 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

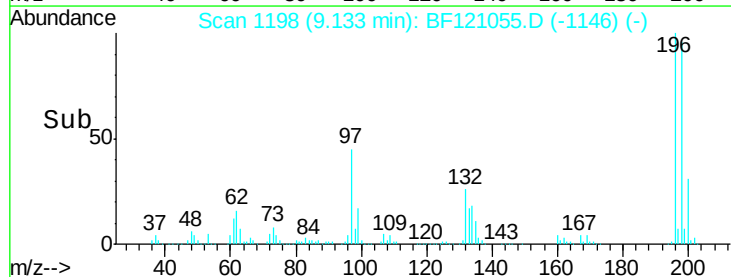
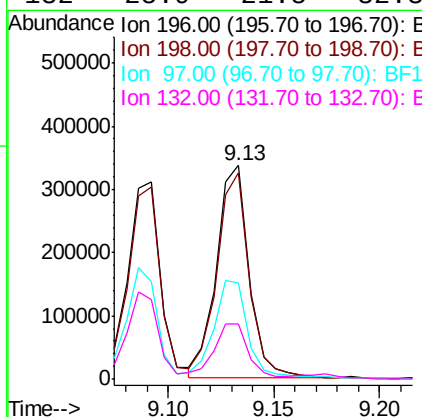
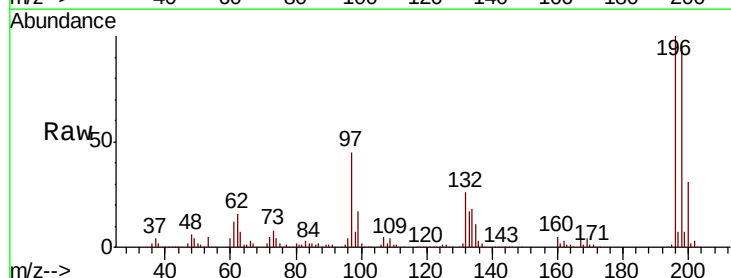
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

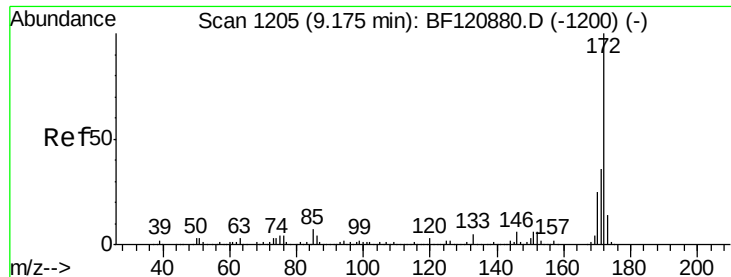
Tot Ion:196 Resp: 340108
 Ion Ratio Lower Upper
 196 100
 198 97.7 75.7 113.5
 200 31.6 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 41.468 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:196 Resp: 361102
 Ion Ratio Lower Upper
 196 100
 198 96.3 77.6 116.4
 97 44.8 35.6 53.4
 132 25.9 21.5 32.3

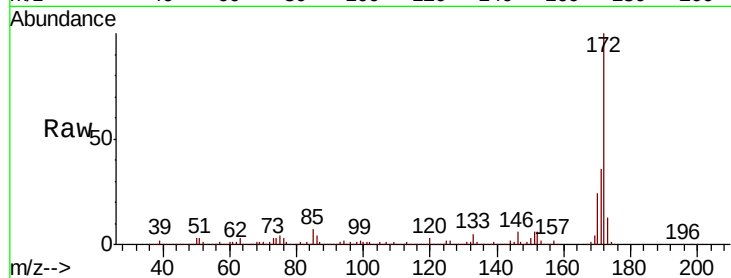




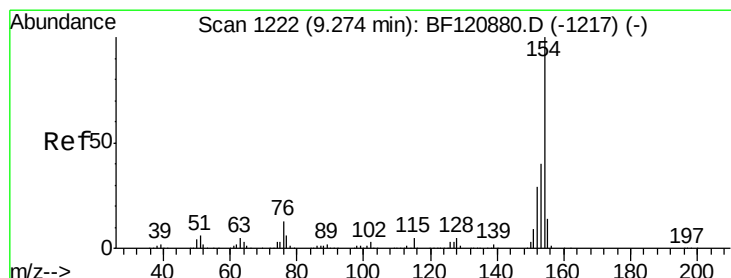
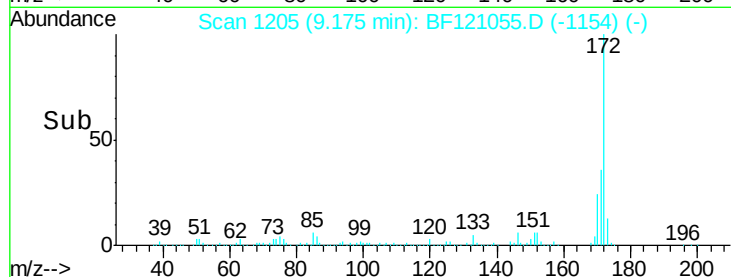
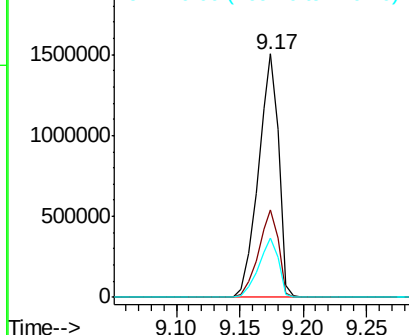
#45
2-Fluorobiphenyl
Concen: 67.484 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:172 Resp: 1691419
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 24.3 19.6 29.4

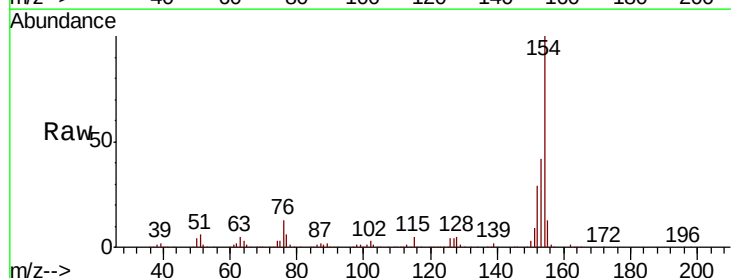


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

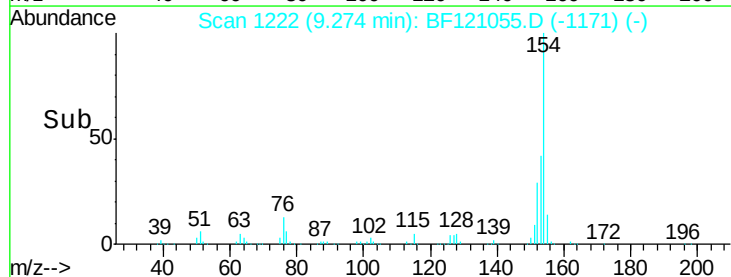
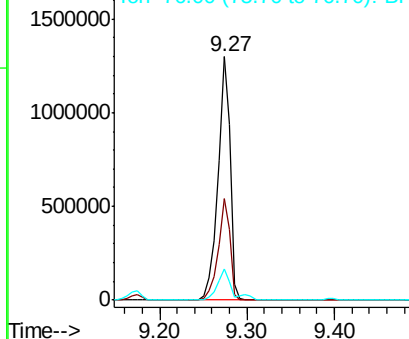


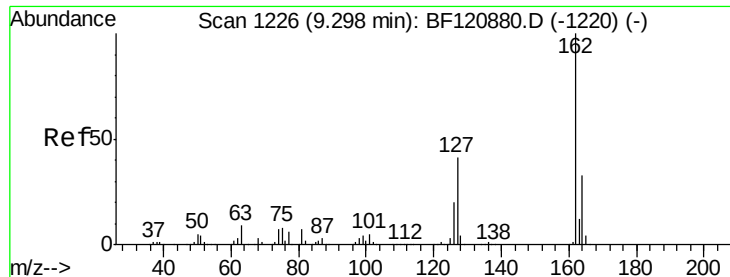
#46
1,1'-Biphenyl
Concen: 43.889 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:154 Resp: 1252827
Ion Ratio Lower Upper
154 100
153 41.7 20.4 60.4
76 12.8 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

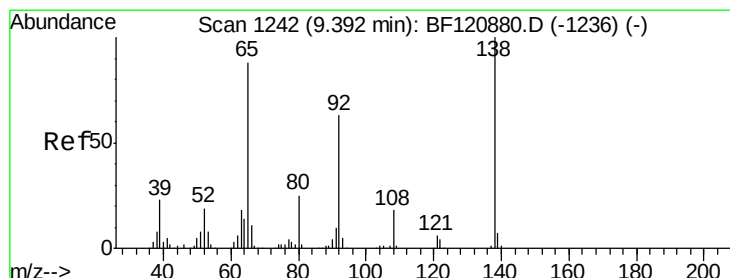
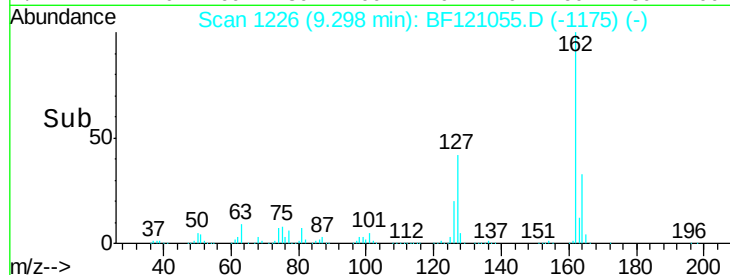
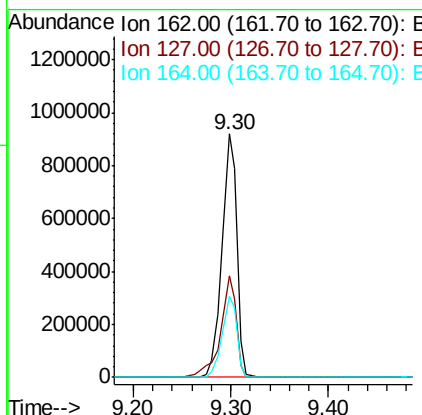
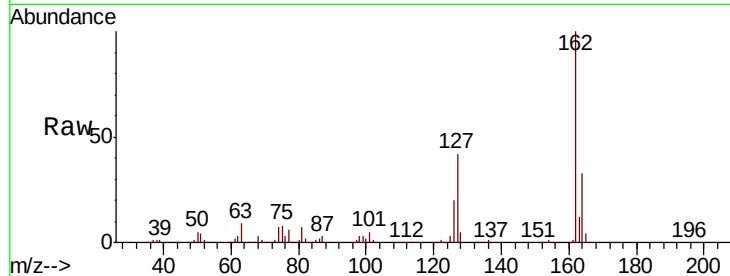




#47
 2-Chloronaphthalene
 Concen: 41.654 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

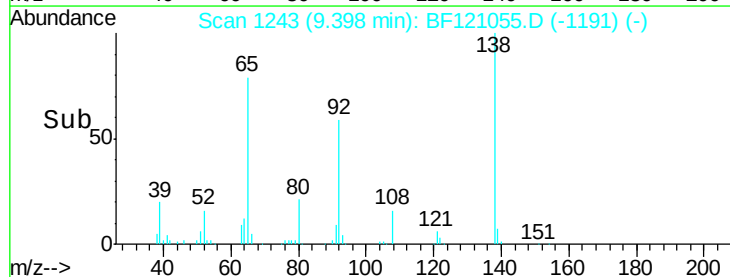
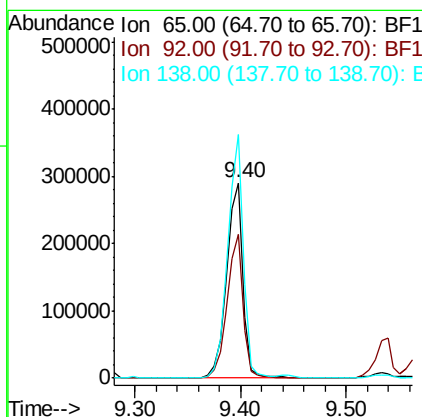
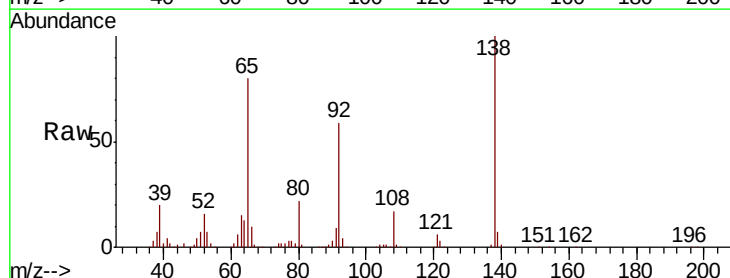
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

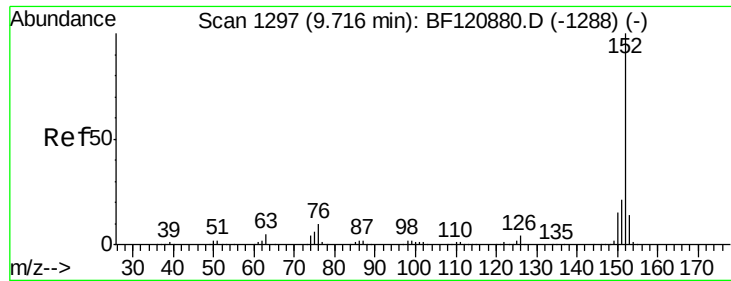
Tot Ion:	162	Resp:	969427
Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.3	49.9
164	33.3	26.6	39.8



#48
 2-Nitroaniline
 Concen: 44.274 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:	65	Resp:	311391
Ion	Ratio	Lower	Upper
65	100		
92	73.6	57.0	85.4
138	124.8	90.4	135.6





#49

Acenaphthylene

Concen: 43.280 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

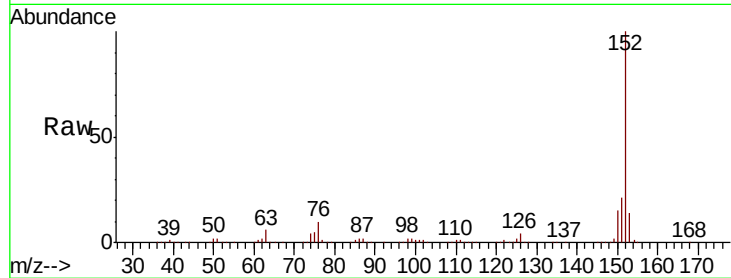
Tot Ion:152 Resp: 1564821

Ion Ratio Lower Upper

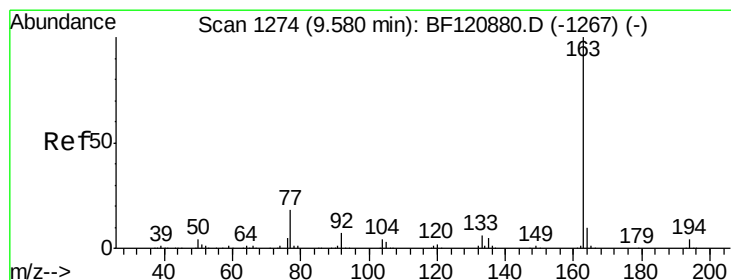
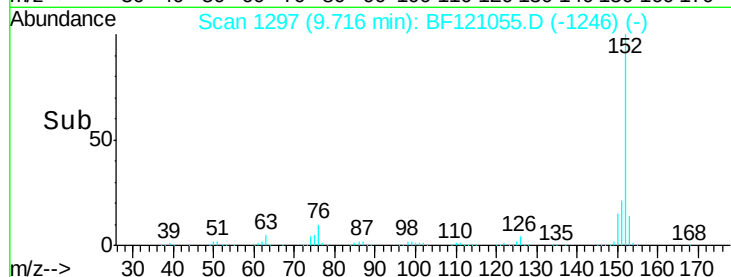
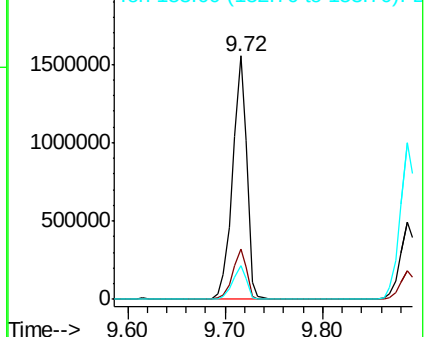
152 100

151 20.7 16.6 25.0

153 13.7 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.119 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

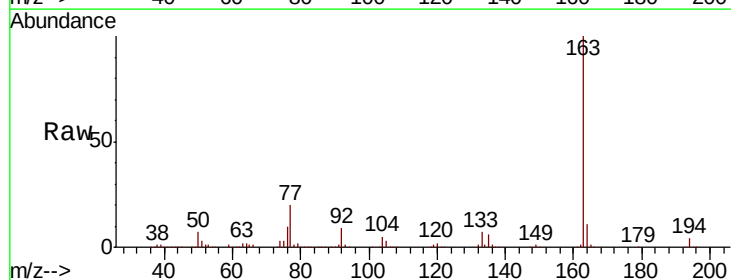
Tgt Ion:163 Resp: 1218103

Ion Ratio Lower Upper

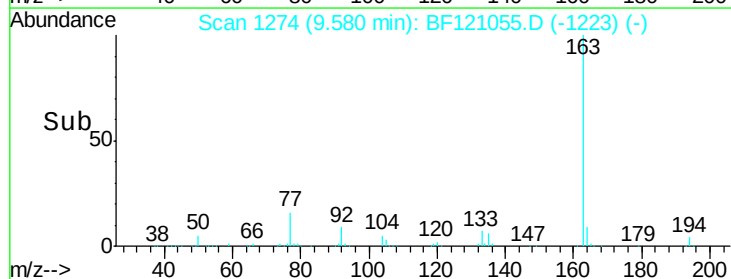
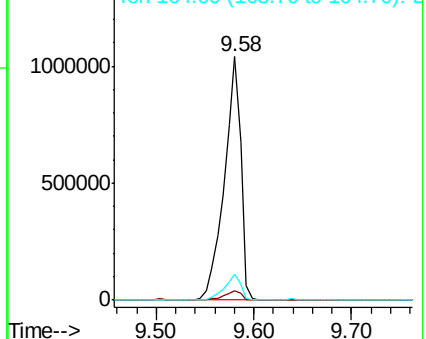
163 100

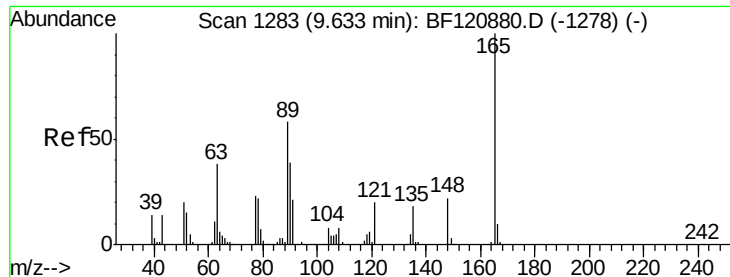
194 4.0 3.2 4.8

164 10.6 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

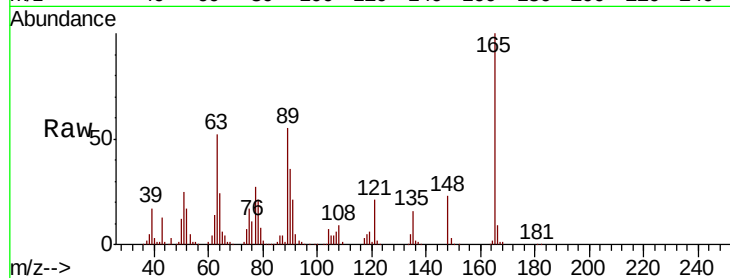




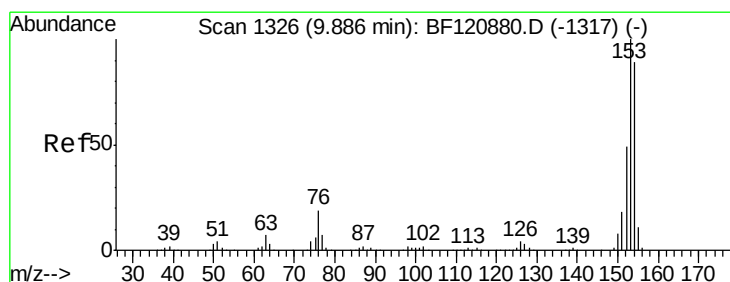
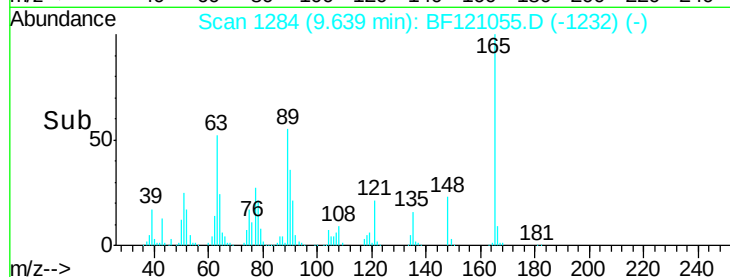
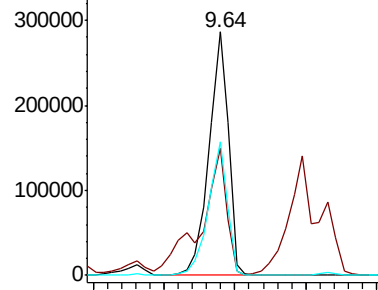
#51
2,6-Dinitrotoluene
Concen: 47.356 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:165 Resp: 274673
Ion Ratio Lower Upper
165 100
63 52.0 45.4 68.2
89 54.6 47.0 70.4

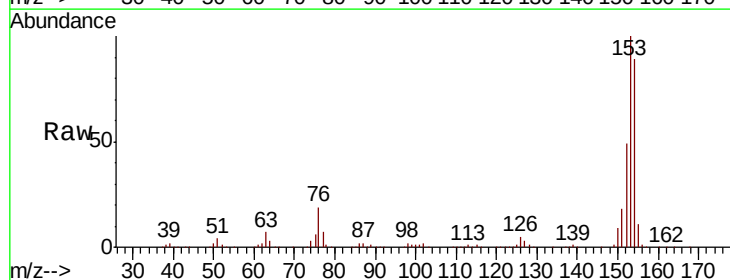


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

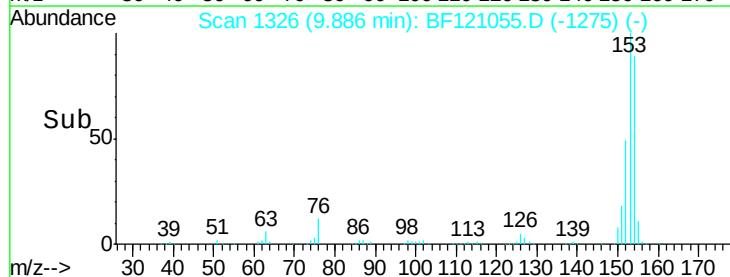
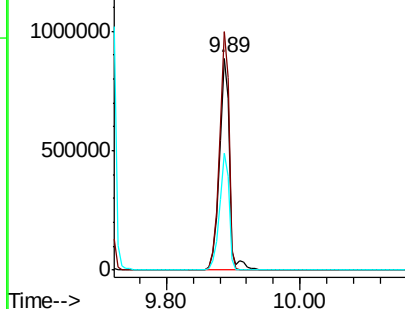


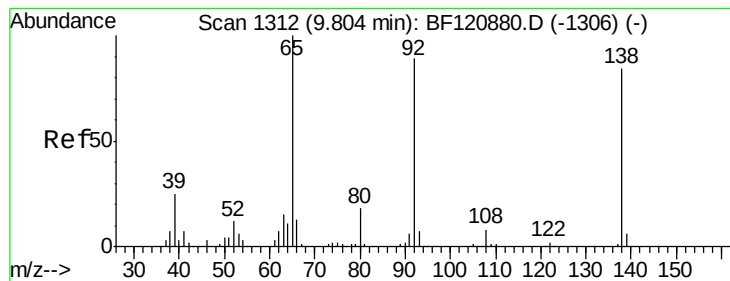
#52
Acenaphthene
Concen: 41.068 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:154 Resp: 944008
Ion Ratio Lower Upper
154 100
153 112.6 89.5 134.3
152 55.2 44.2 66.2



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: 30.169 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

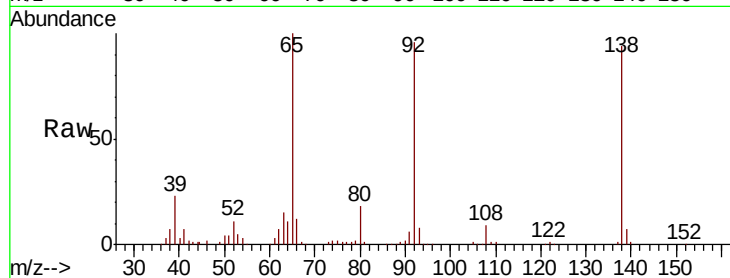
Tot Ion:138 Resp: 219463

Ion Ratio Lower Upper

138 100

108 9.3 7.9 11.9

92 101.5 85.3 127.9

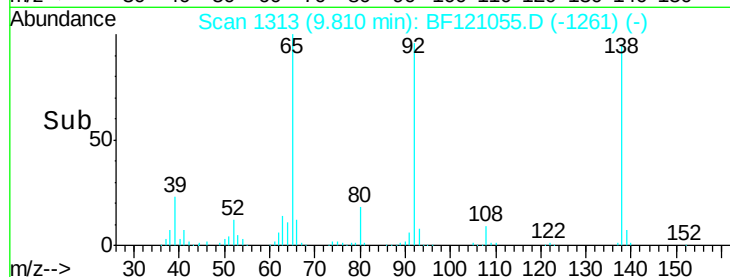


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

Time-->



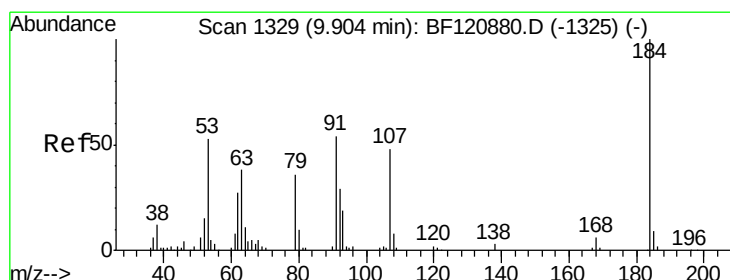
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

Time-->



#54

2,4-Dinitrophenol

Concen: 24.774 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

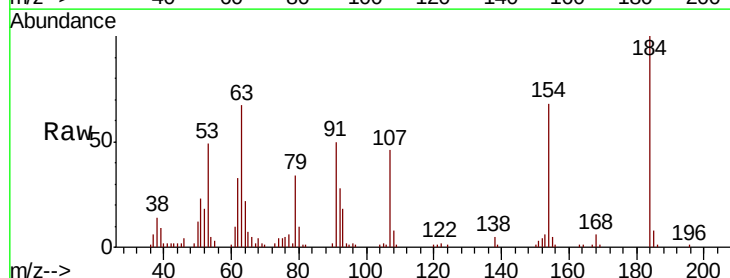
Tgt Ion:184 Resp: 65490

Ion Ratio Lower Upper

184 100

63 67.1 57.9 86.9

154 67.5 52.6 78.8

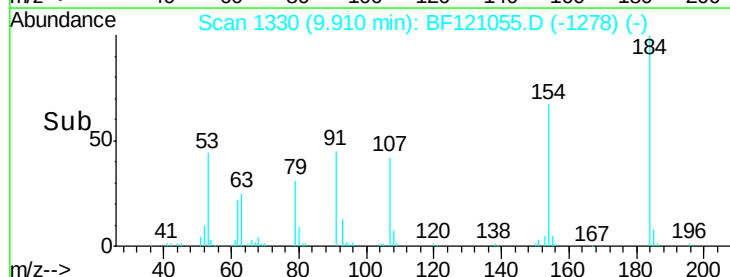


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

Time-->



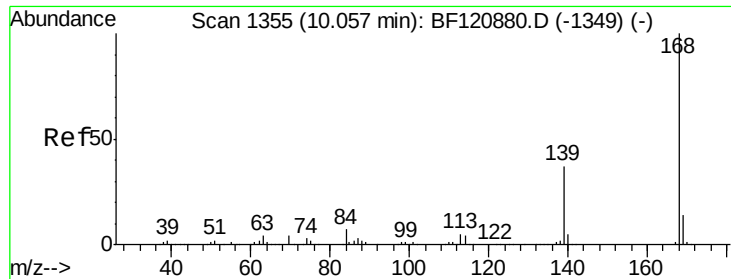
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

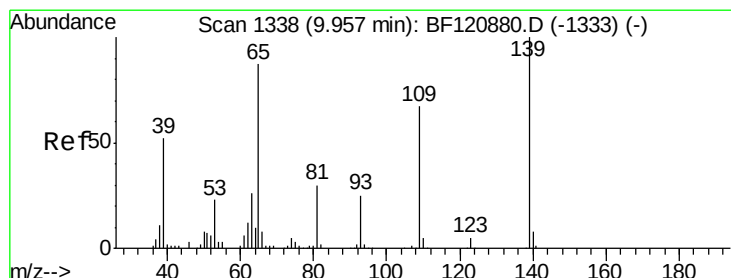
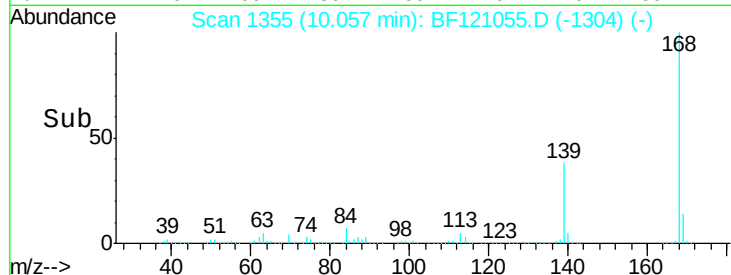
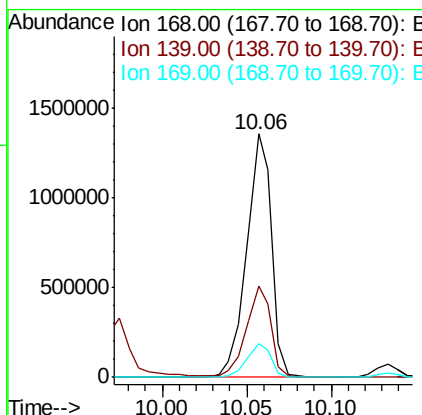
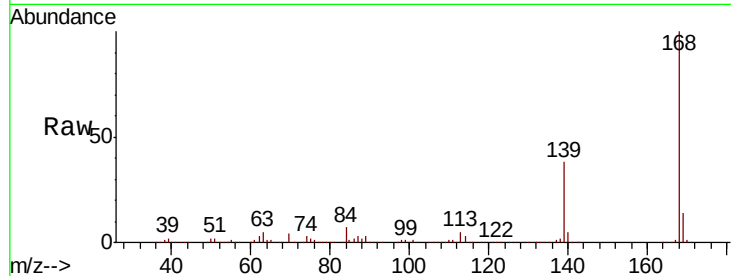
Time-->



#55
Dibenzenofuran
Concen: 41.915 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

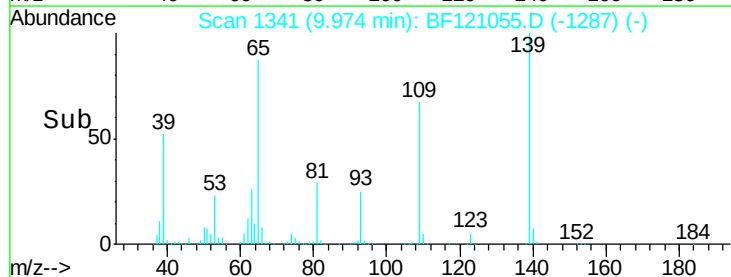
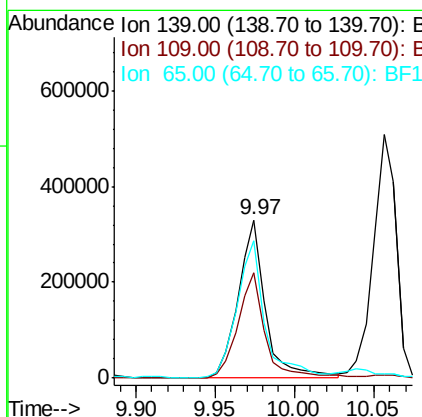
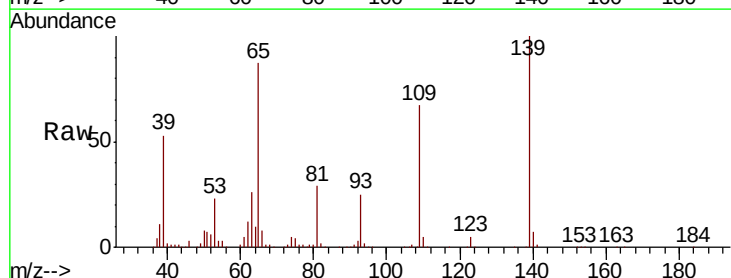
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

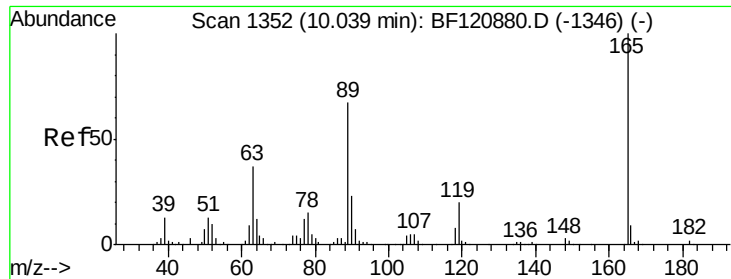
Tot Ion:168 Resp: 1393276
Ion Ratio Lower Upper
168 100
139 37.5 29.7 44.5
169 14.1 11.1 16.7



#56
4-Nitrophenol
Concen: 70.949 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:139 Resp: 392058
Ion Ratio Lower Upper
139 100
109 67.0 47.3 87.3
65 87.2 67.2 107.2

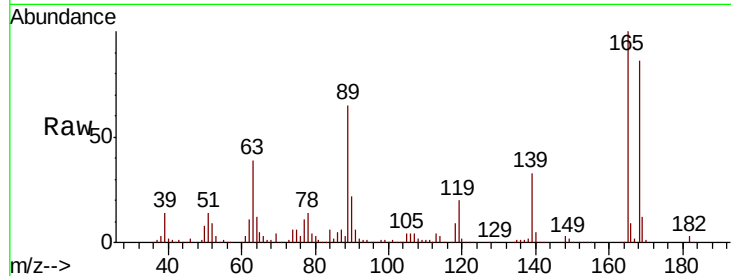




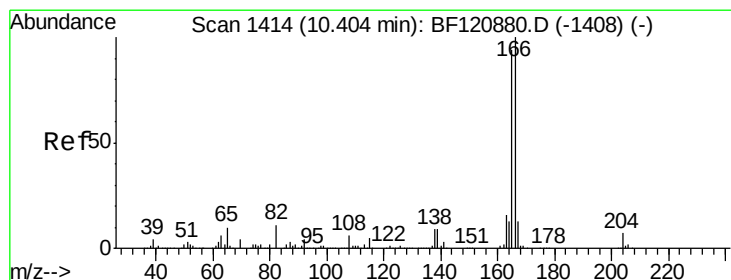
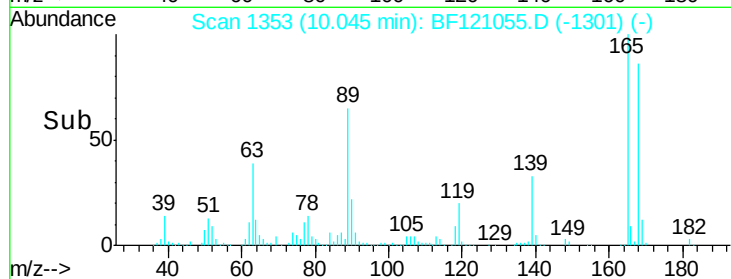
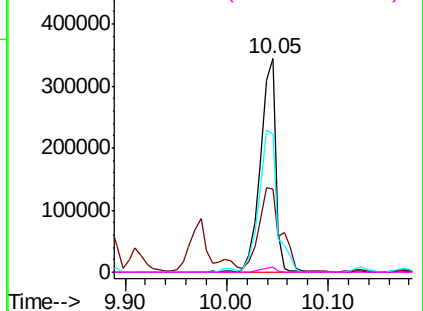
#57
2,4-Dinitrotoluene
Concen: 47.393 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:	165	Resp:	360982
Ion	Ratio	Lower	Upper
165	100		
63	38.8	29.4	44.2
89	64.7	53.4	80.0
182	2.5	1.8	2.6

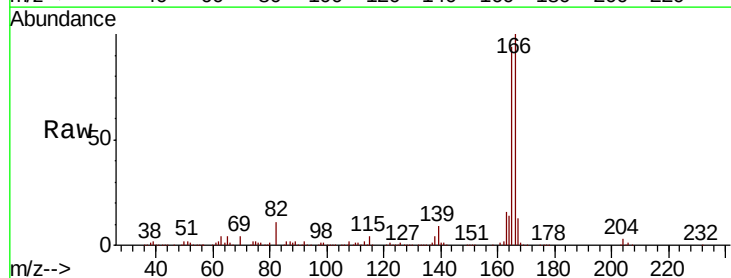


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

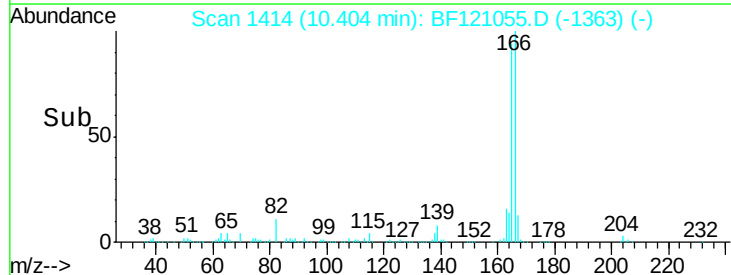
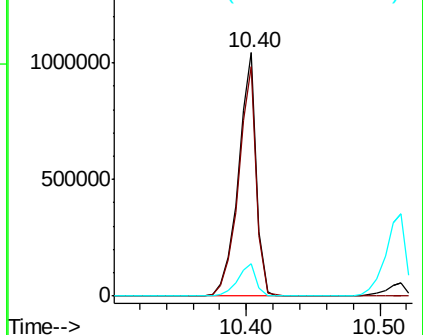


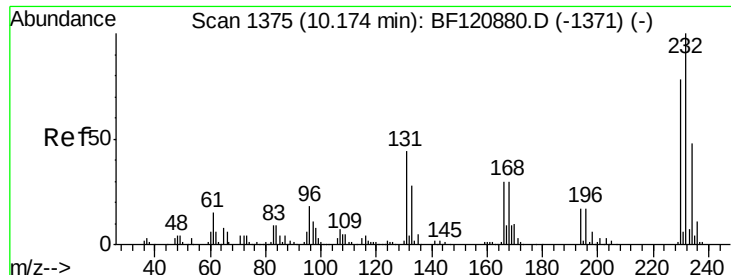
#58
Fluorene
Concen: 39.342 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:	166	Resp:	975372
Ion	Ratio	Lower	Upper
166	100		
165	94.2	75.4	113.0
167	13.4	10.6	15.8



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

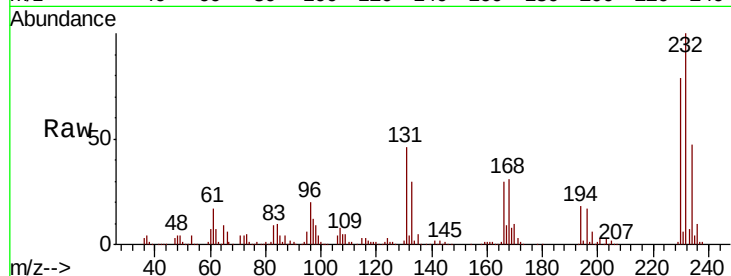




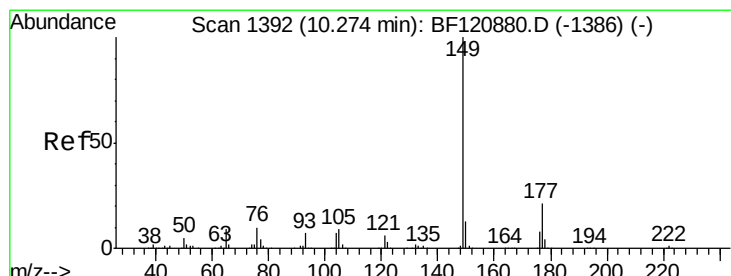
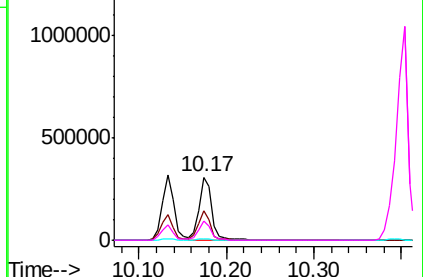
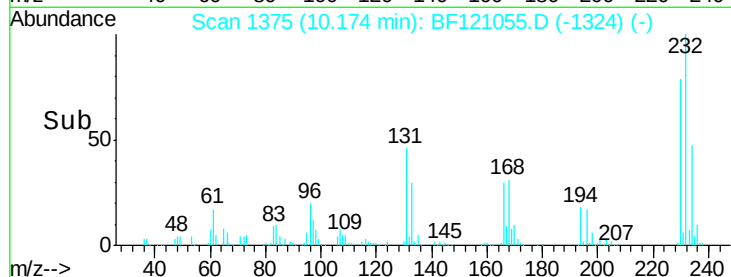
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.515 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

Tot Ion:	232	Resp:	315030
Ion	Ratio	Lower	Upper
232	100		
131	43.4	37.1	55.7
130	2.1	1.7	2.5
166	28.9	24.2	36.4

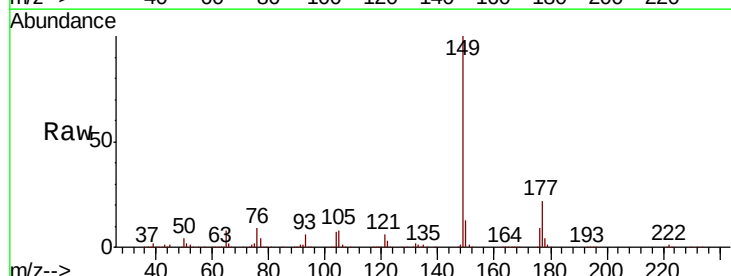


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

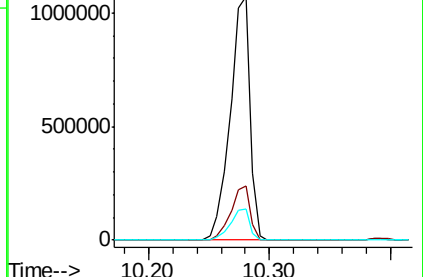
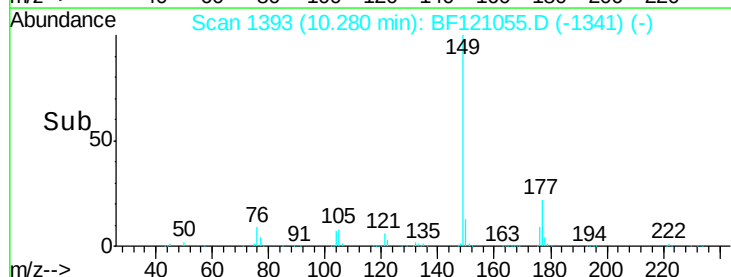


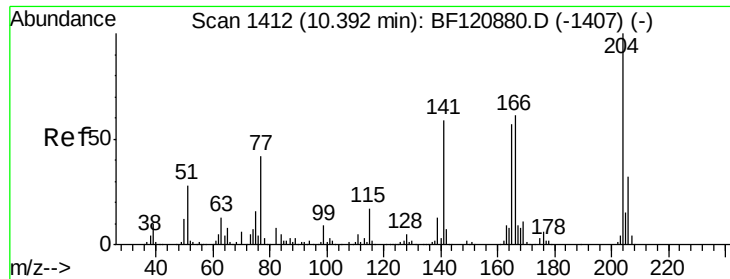
#60
 Diethylphthalate
 Concen: 44.741 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:	149	Resp:	1221754
Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.1	25.7
150	12.6	10.3	15.5



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

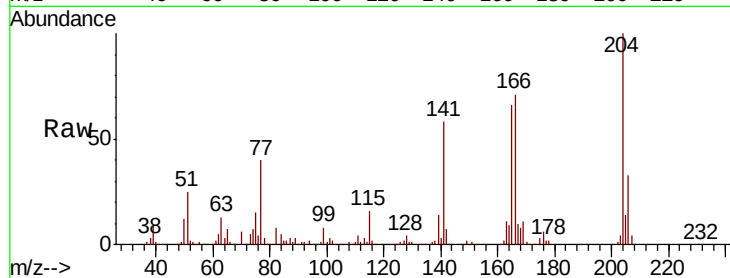




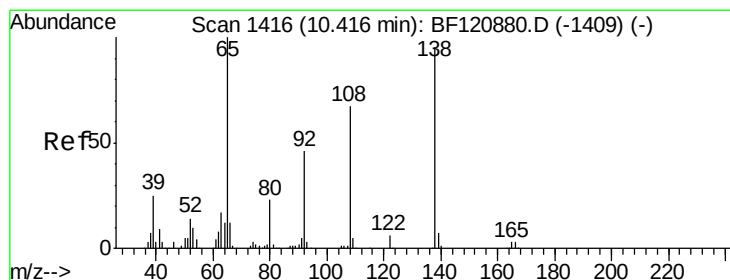
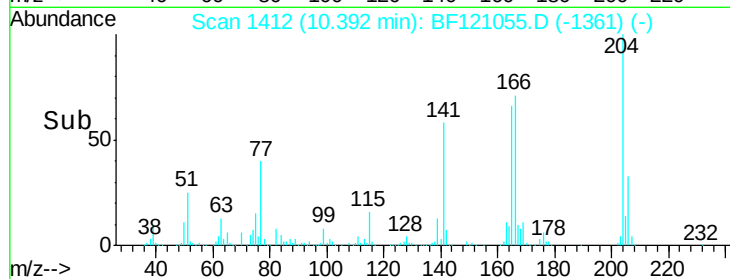
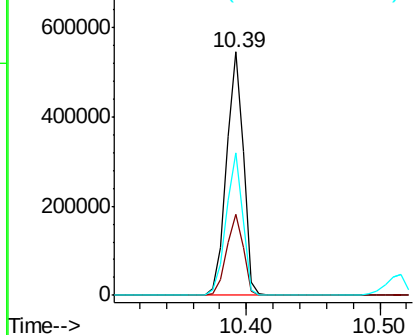
#61
4-Chlorophenyl-phenylether
Concen: 37.019 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:204 Resp: 489519
Ion Ratio Lower Upper
204 100
206 33.1 25.9 38.9
141 58.5 47.2 70.8

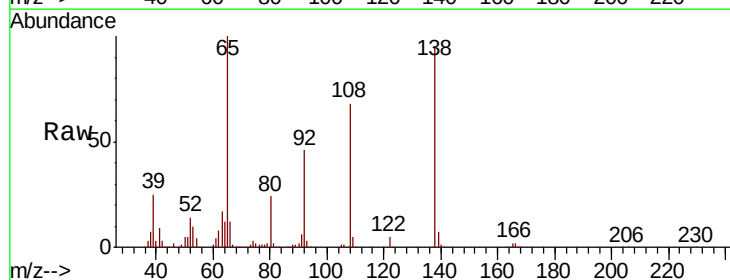


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

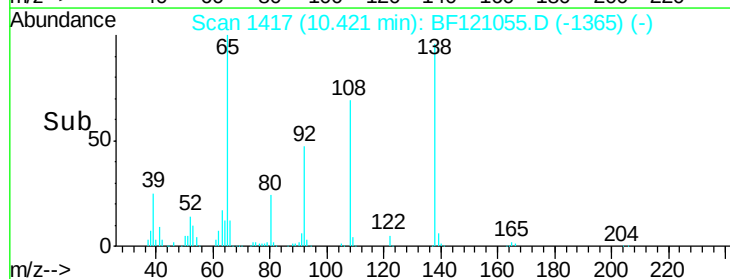
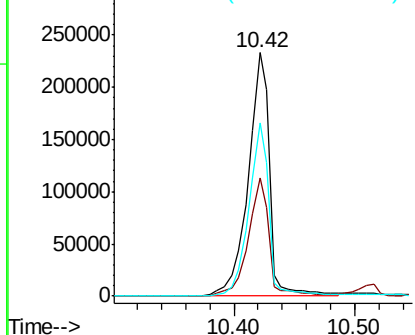


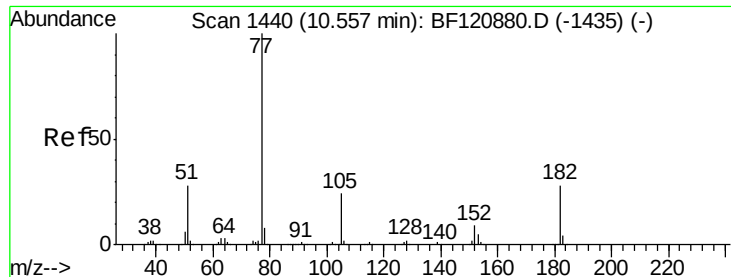
#62
4-Nitroaniline
Concen: 40.903 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:138 Resp: 289838
Ion Ratio Lower Upper
138 100
92 48.7 28.6 68.6
108 71.2 51.1 91.1



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 42.673 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

Tot Ion: 77 Resp: 1109369

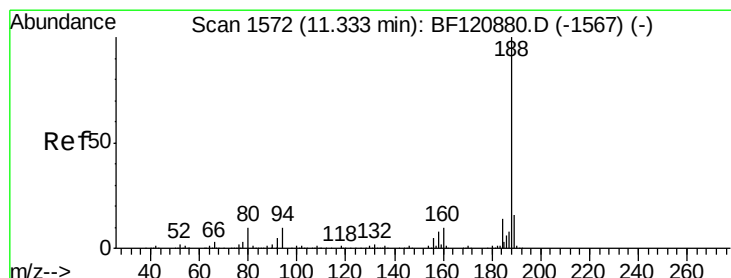
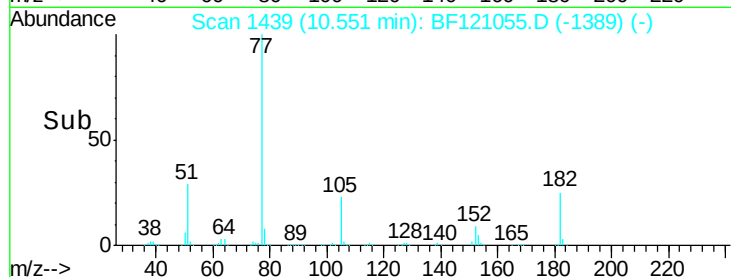
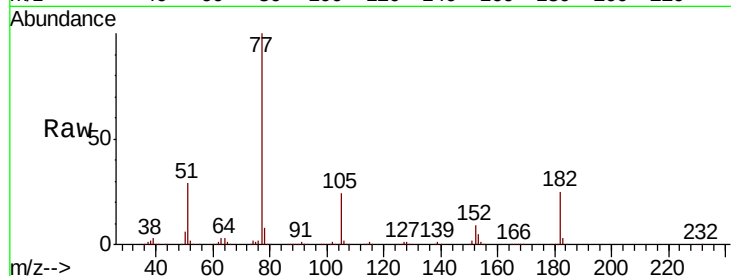
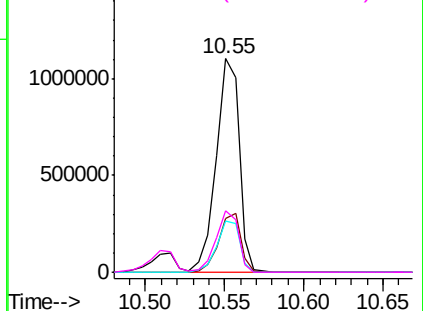
Ion	Ratio	Lower	Upper
77	100		
182	25.2	7.8	47.8
105	23.9	4.4	44.4
51	29.0	8.0	48.0

Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

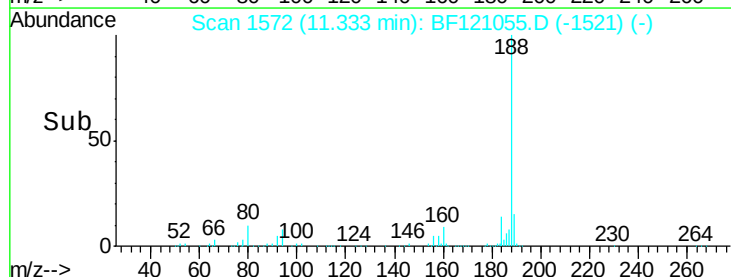
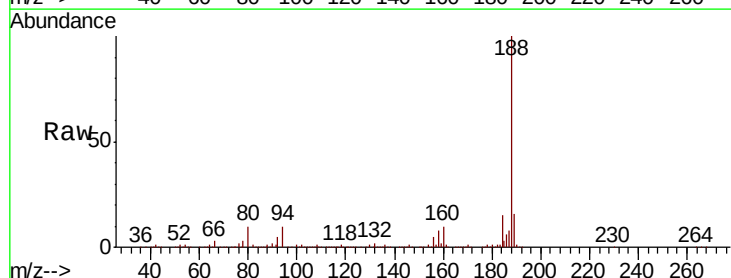
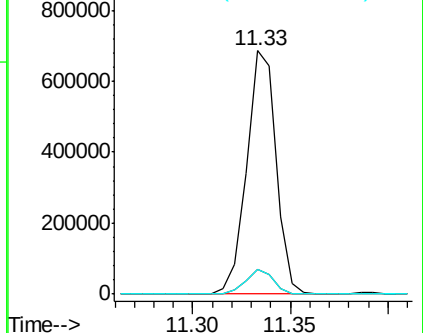
Tgt Ion: 188 Resp: 717554

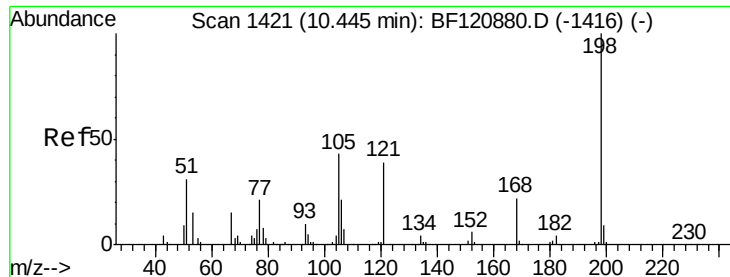
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.3	8.3	12.5

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

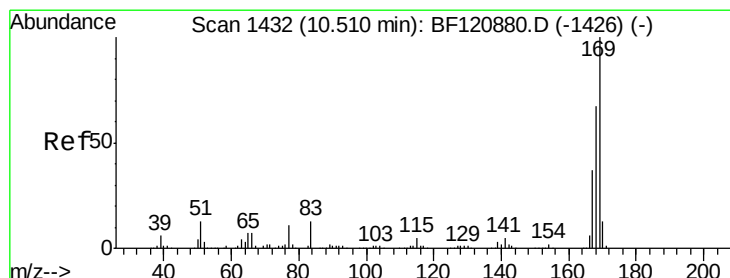
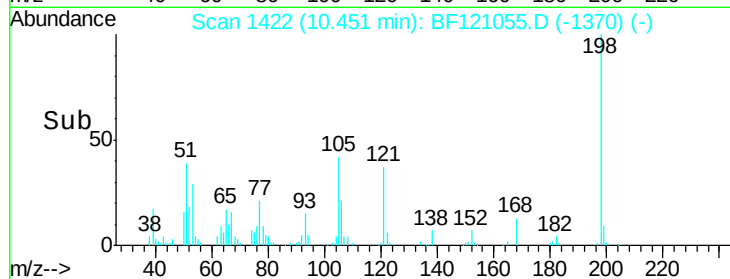
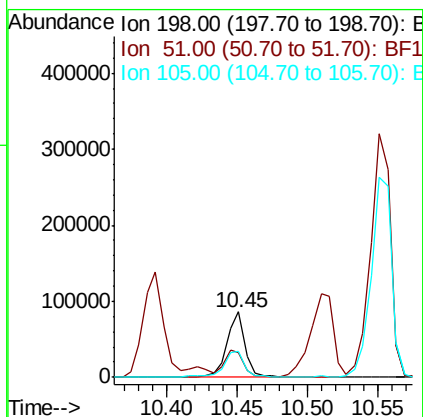
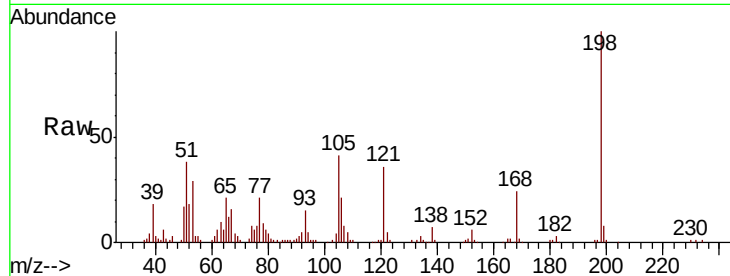




#65
4,6-Dinitro-2-methylphenol
Concen: 21.136 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

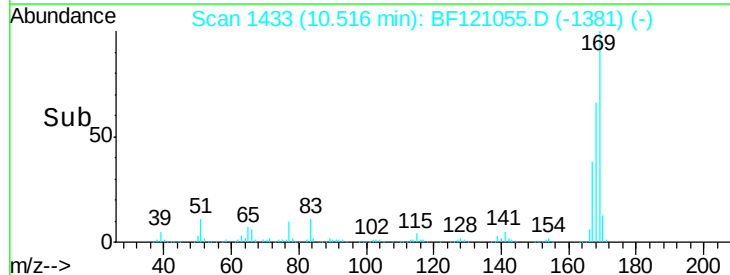
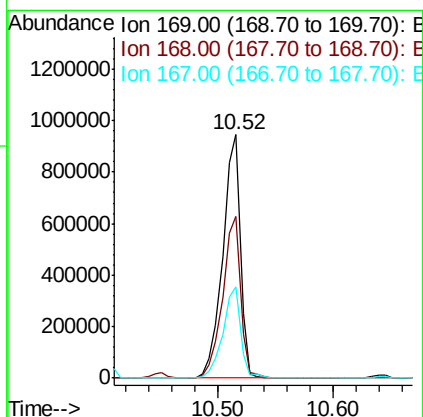
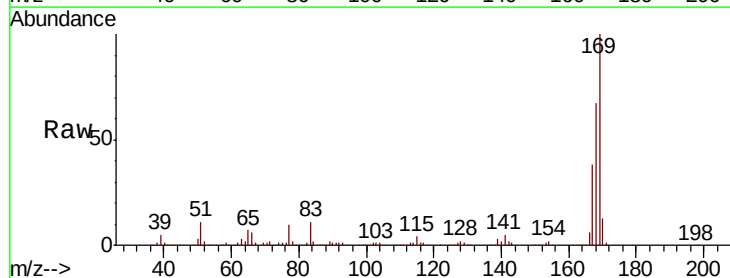
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

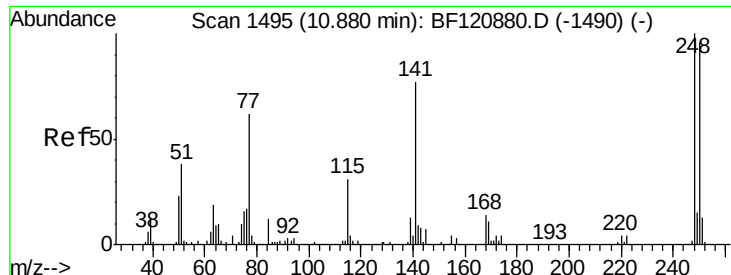
Tot Ion:198 Resp: 78069
Ion Ratio Lower Upper
198 100
51 38.2 19.5 59.5
105 40.6 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 44.363 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:169 Resp: 1001398
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.0
167 37.5 29.4 44.0

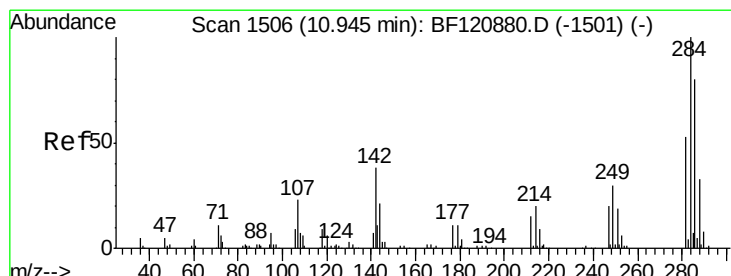
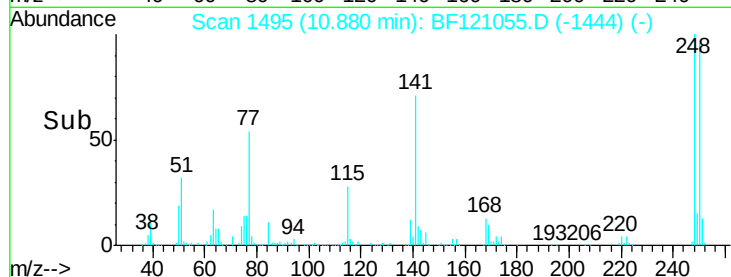
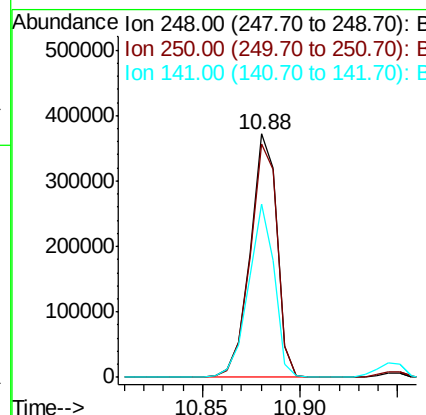
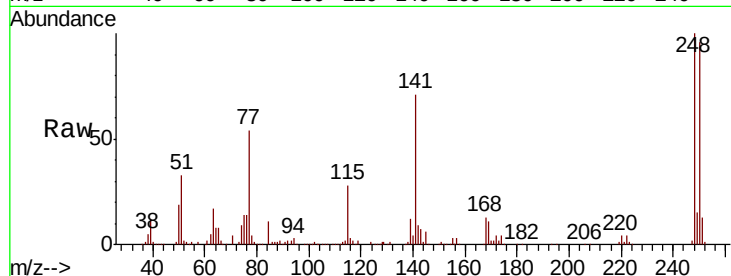




#67
 4-Bromophenyl-phenylether
 Concen: 44.135 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

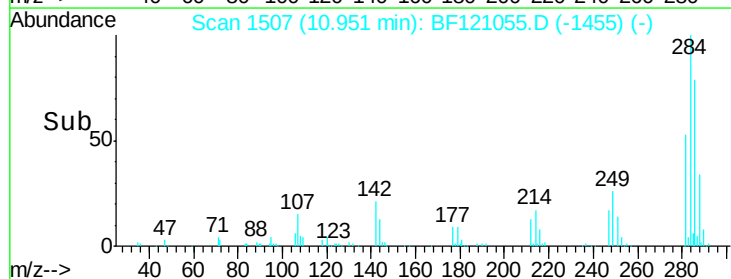
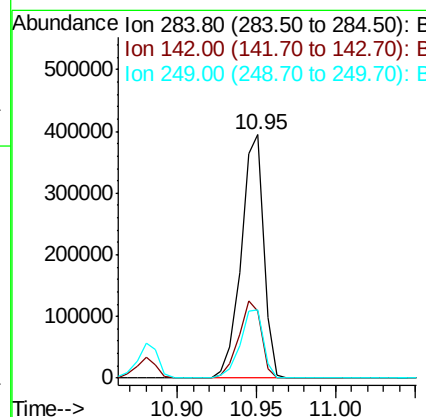
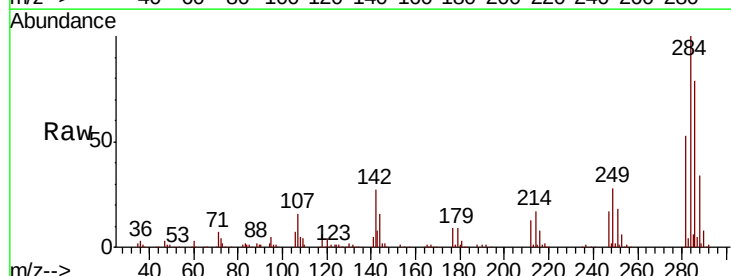
Instrument :
 BNA_F
 ClientSampleID :
 CTR-007MSD

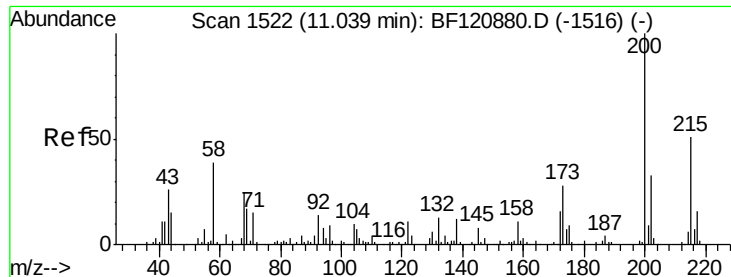
Tot Ion	Ratio	Lower	Upper
248	100		
250	95.8	77.1	115.7
141	71.0	61.2	91.8



#68
 Hexachlorobenzene
 Concen: 44.875 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.3	30.2	45.2#
249	27.9	24.2	36.2

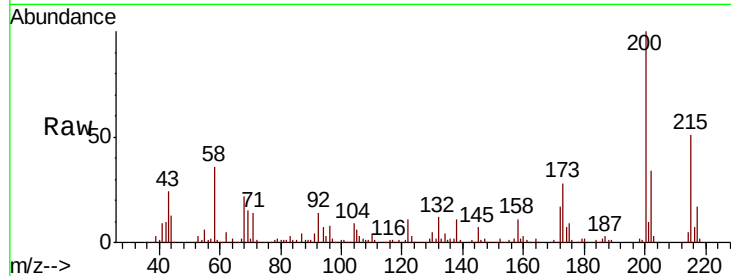




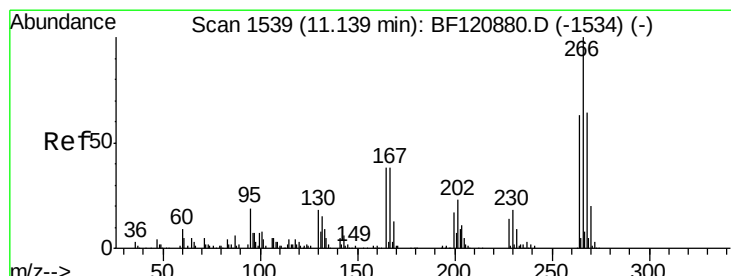
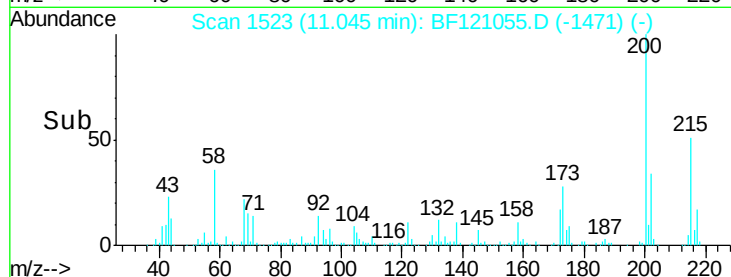
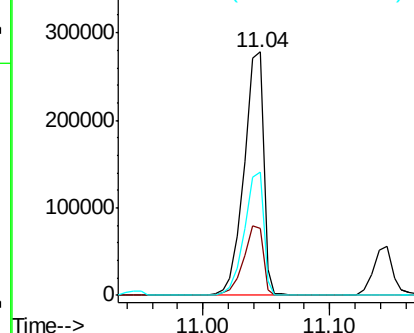
#69
 Atrazine
 Concen: 52.786 ng
 RT: 11.04 min Scan# 1523
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.0	48.0
215	50.9	31.5	71.5

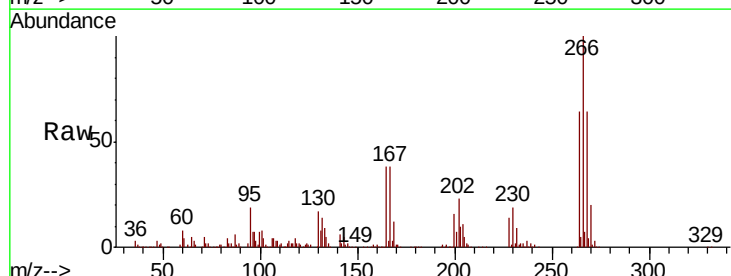


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

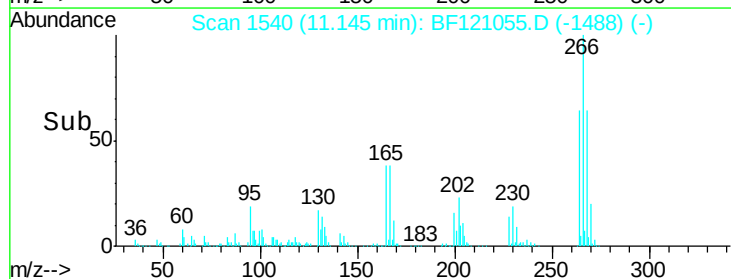
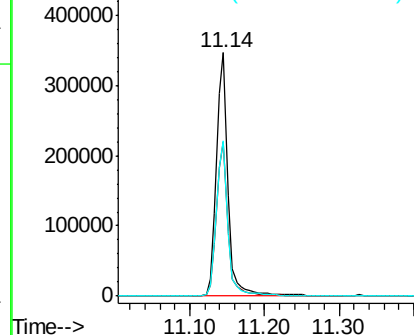


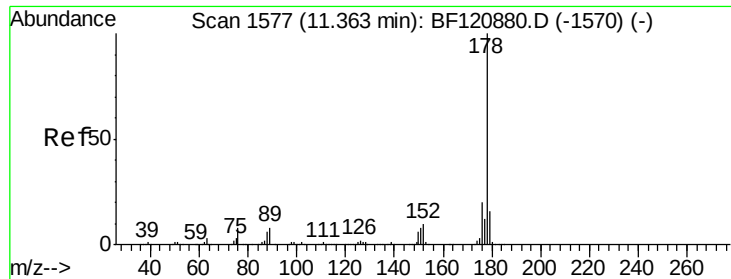
#70
 Pentachlorophenol
 Concen: 75.522 ng
 RT: 11.14 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.1	76.7
264	64.0	50.2	75.2



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

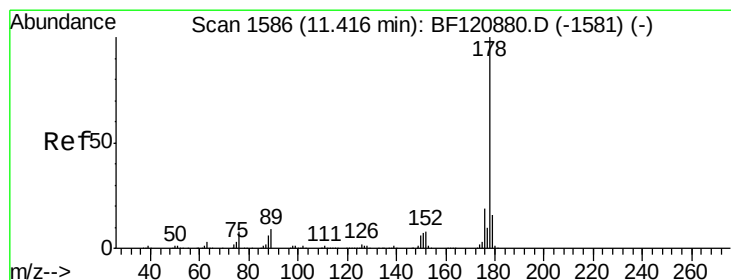
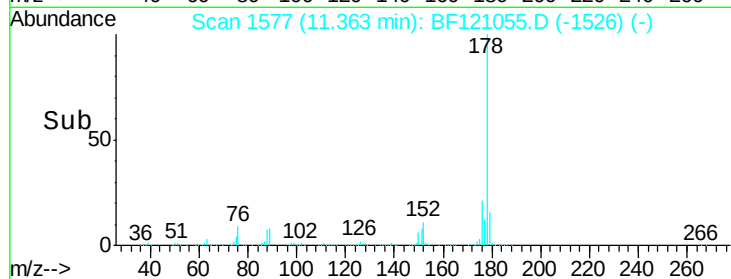
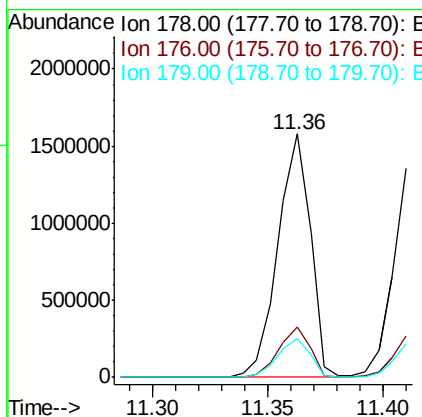
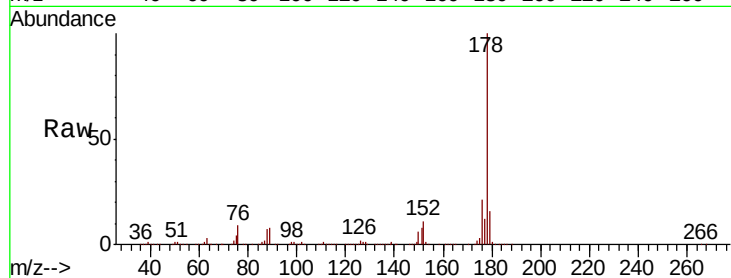




#71
Phenanthrene
Concen: 41.596 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

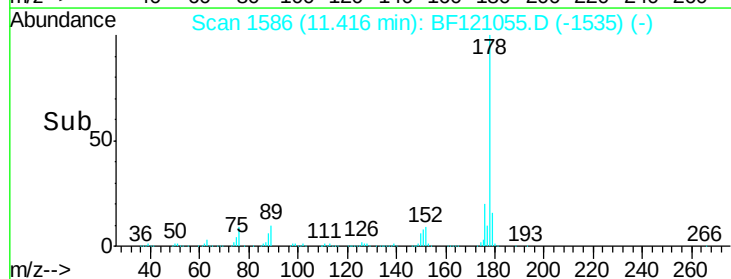
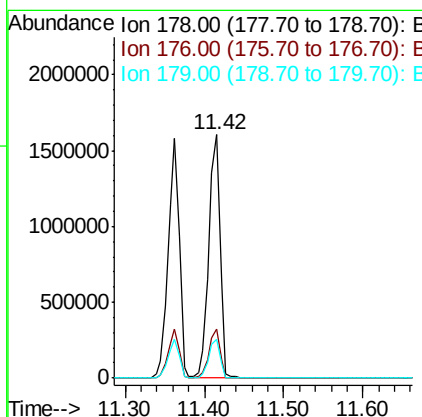
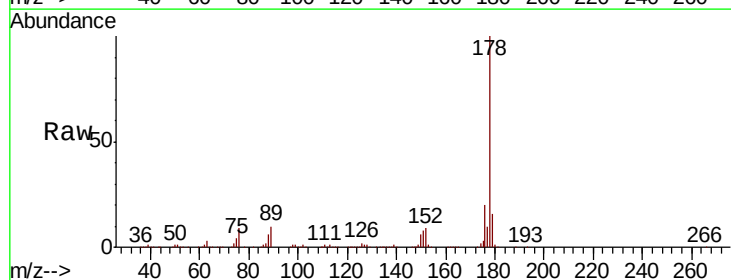
Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

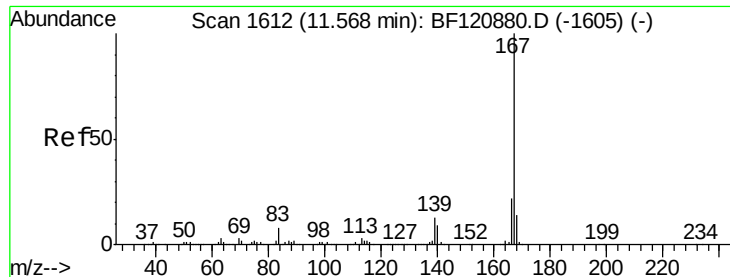
Tot Ion:178 Resp: 1535073
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 16.0 12.8 19.2



#72
Anthracene
Concen: 43.313 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:178 Resp: 1605050
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.9 12.8 19.2

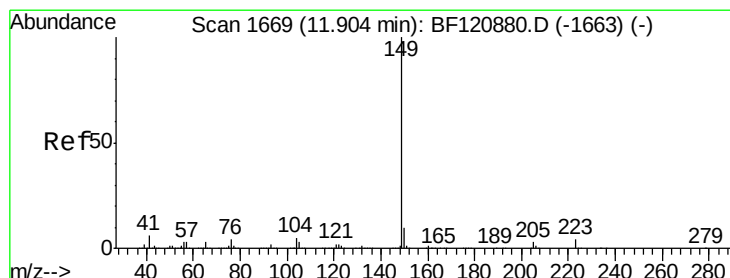
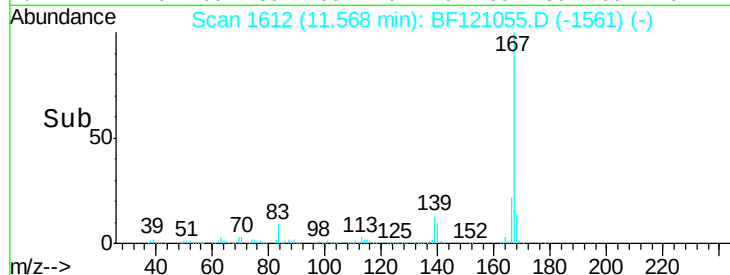
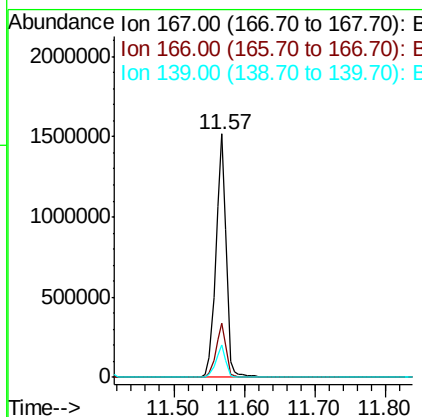
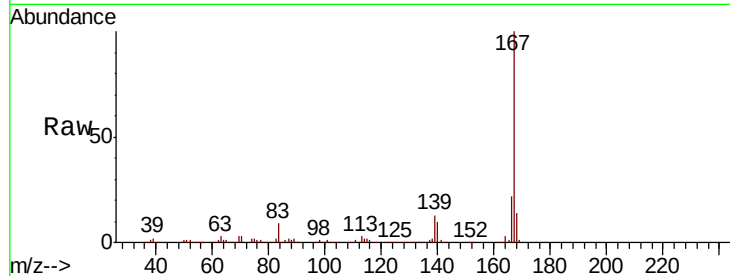




#73
 Carbazole
 Concen: 42.158 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

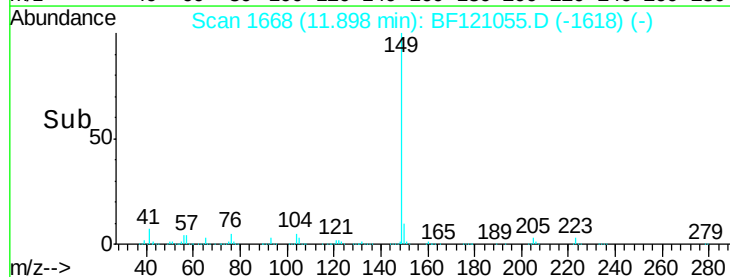
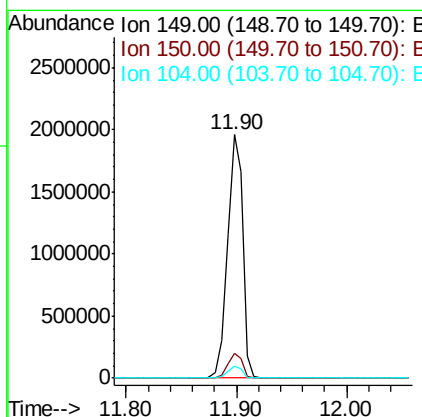
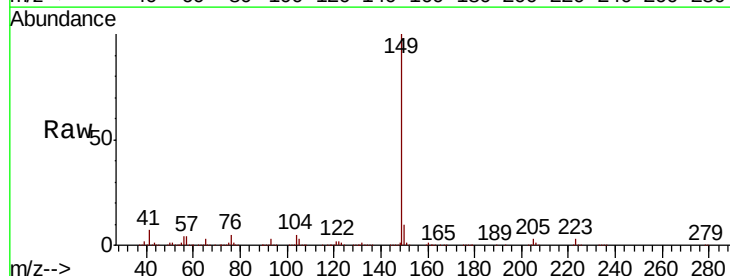
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

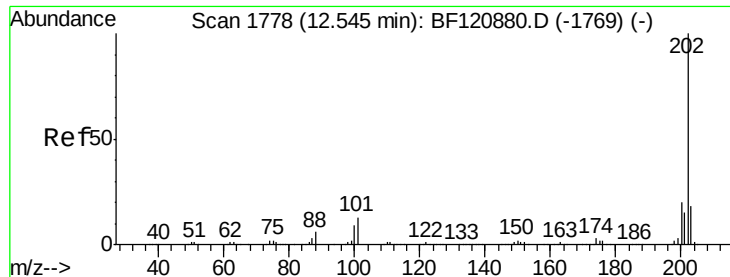
Tot Ion:167 Resp: 1550378
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.2 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 44.387 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:149 Resp: 1883730
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.8 11.6
 104 5.1 3.8 5.6

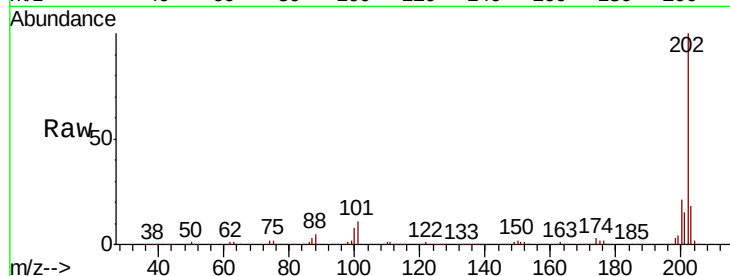




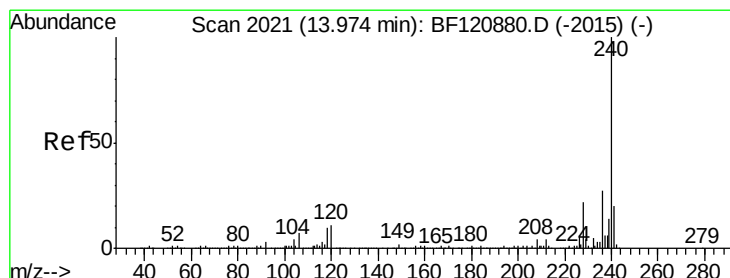
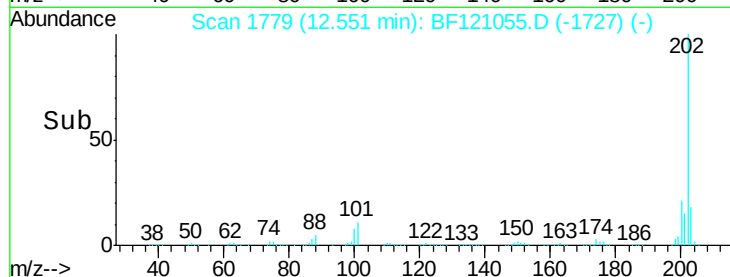
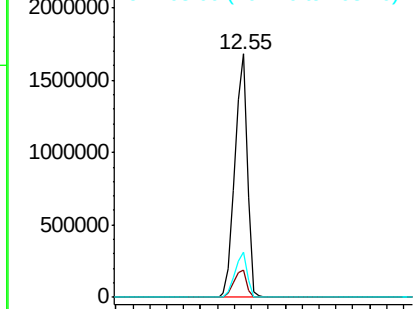
#75
Fluoranthene
Concen: 41.372 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:202 Resp: 1692350
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.7
203 18.4 0.0 38.0

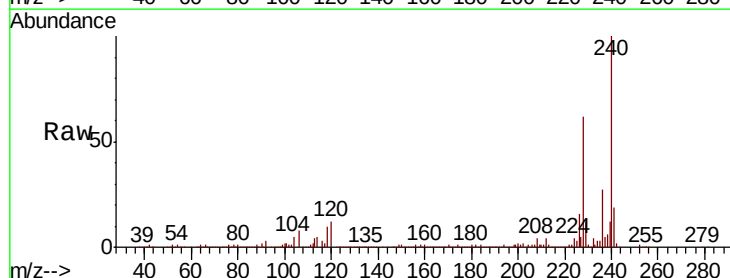


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

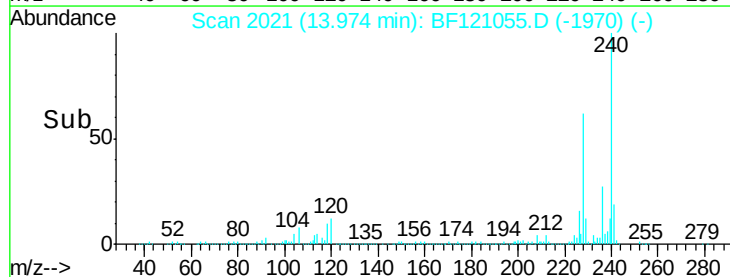
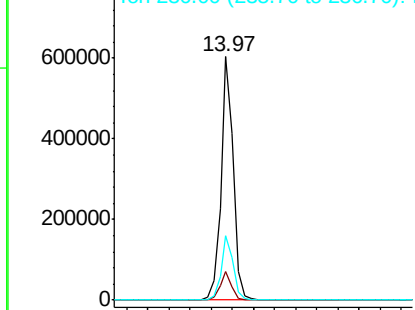


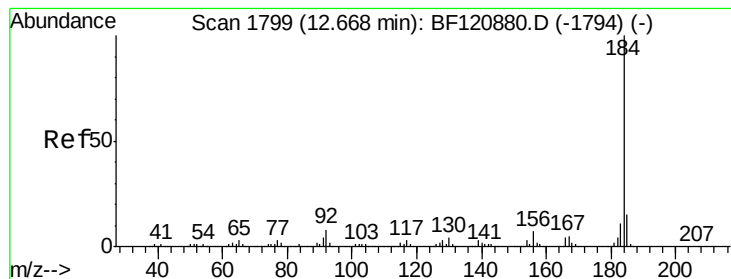
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:240 Resp: 493504
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.4
236 26.7 21.7 32.5



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





#77

Benzidine

Concen: 58.592 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

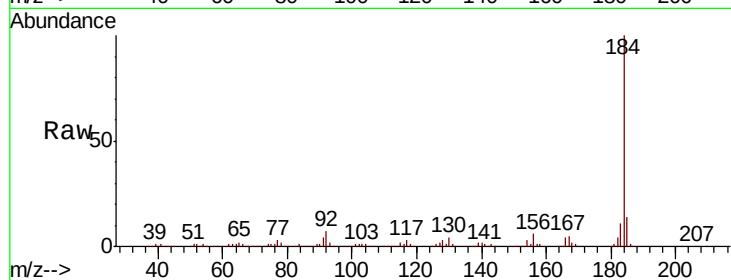
BNA_F

ClientSampleId :

CTR-007MSD

Tot Ion:184 Resp: 760239

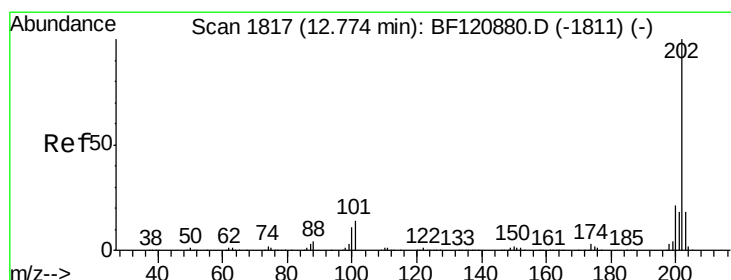
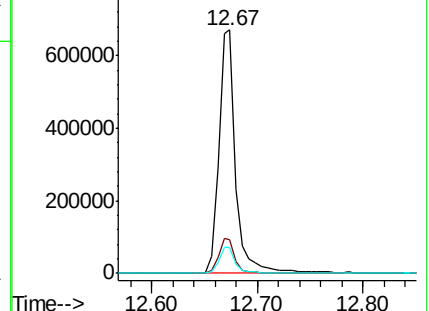
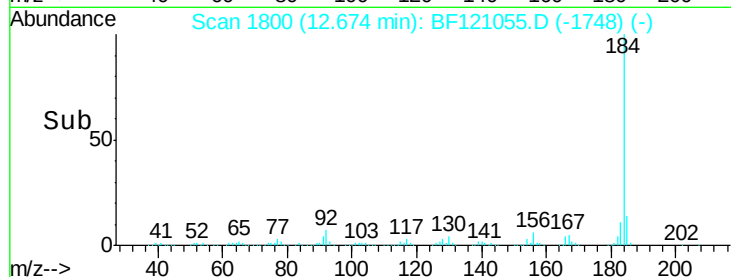
Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.2	18.2
183	10.7	8.5	12.7



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: 49.595 ng

RT: 12.78 min Scan# 1818

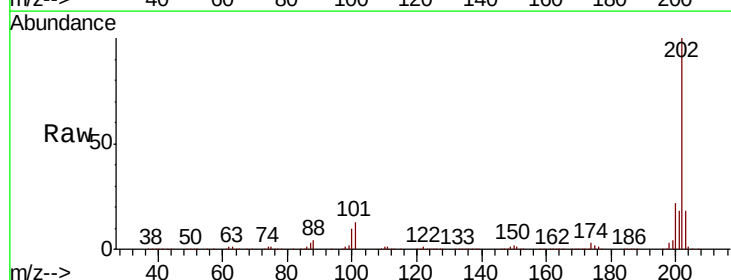
Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Tgt Ion:202 Resp: 1730432

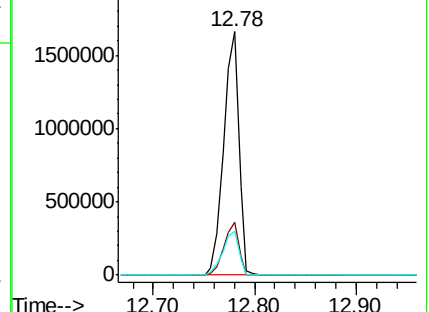
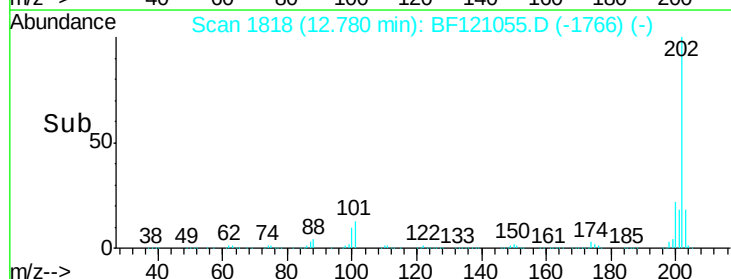
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.1	14.4	21.6

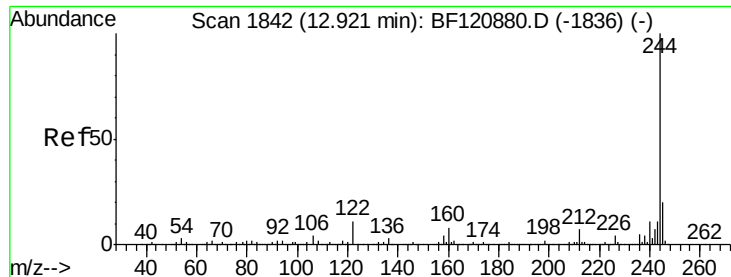


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.307 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

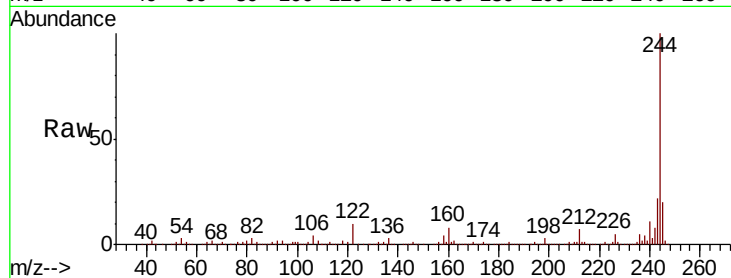
Tot Ion:244 Resp: 1868583

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

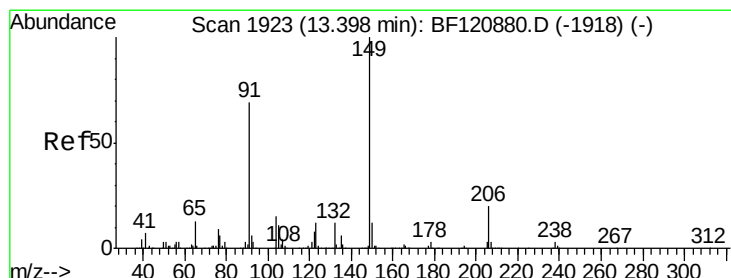
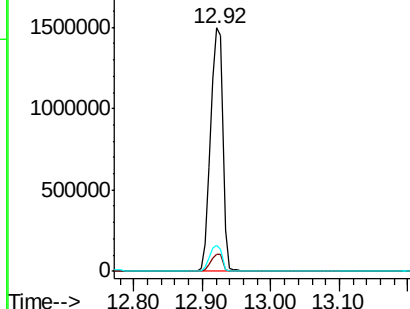
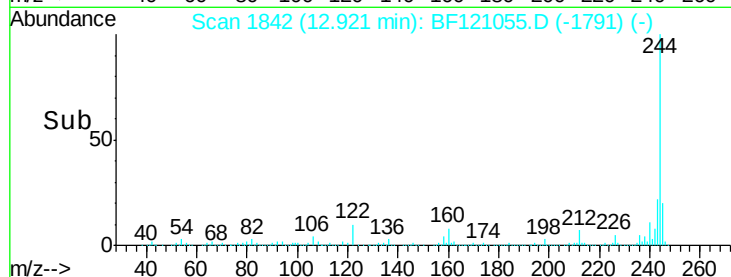
122 10.5 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.394 ng

RT: 13.40 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

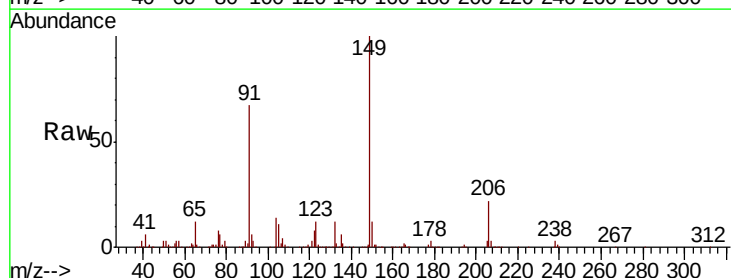
Tgt Ion:149 Resp: 799384

Ion Ratio Lower Upper

149 100

91 67.4 55.1 82.7

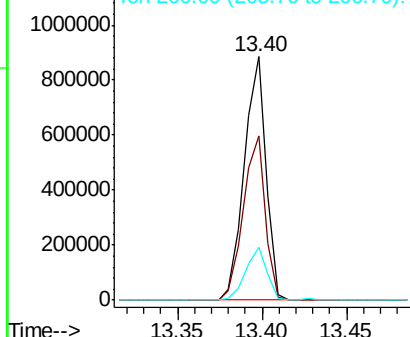
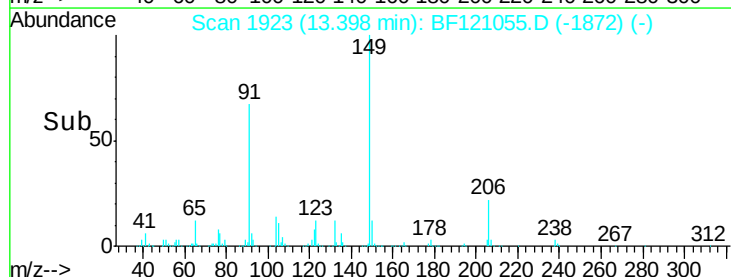
206 21.5 16.1 24.1

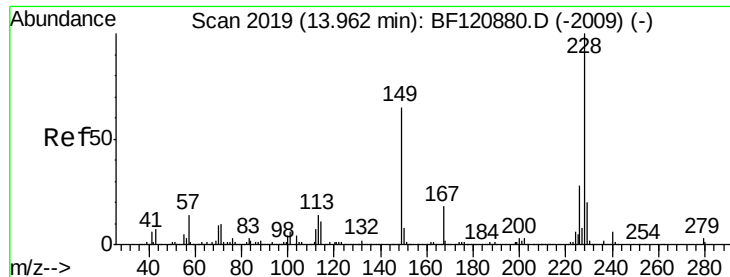


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.315 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

Instrument :

BNA_F

ClientSampleId :

CTR-007MSD

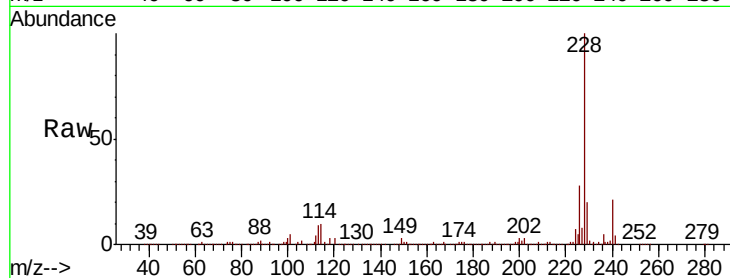
Tot Ion:228 Resp: 1264534

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

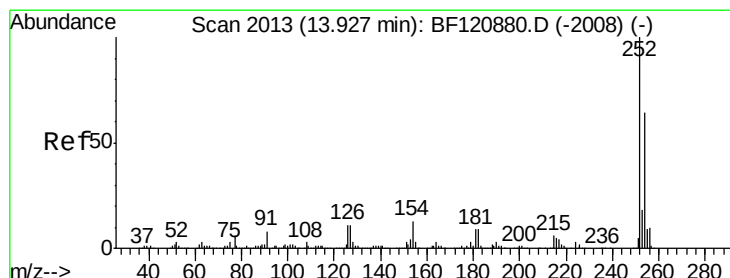
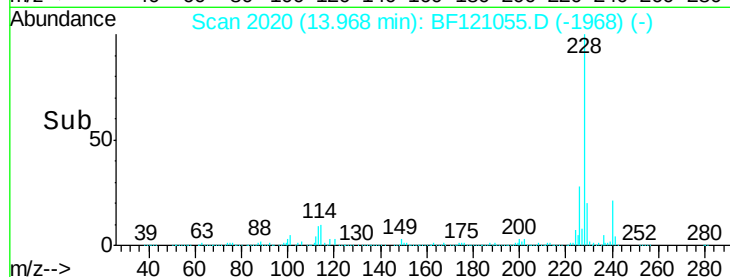
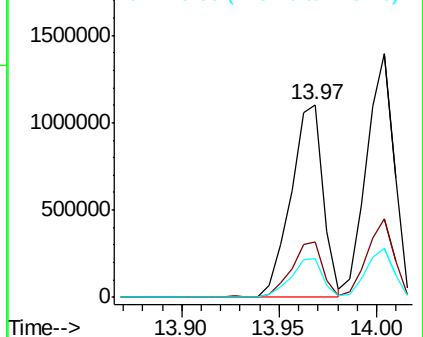
229 20.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 41.773 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF121055.D

Acq: 28 Jul 2020 2:52

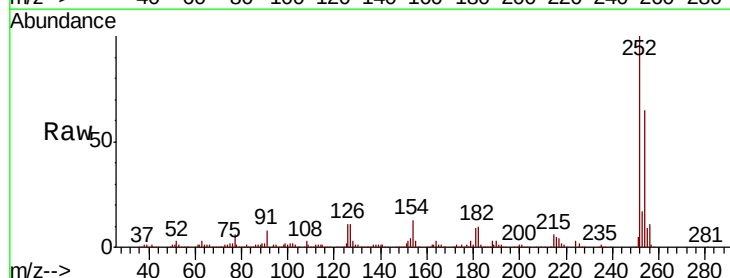
Tgt Ion:252 Resp: 470969

Ion Ratio Lower Upper

252 100

254 65.2 51.2 76.8

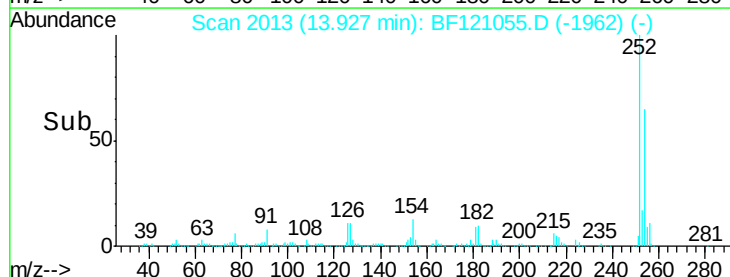
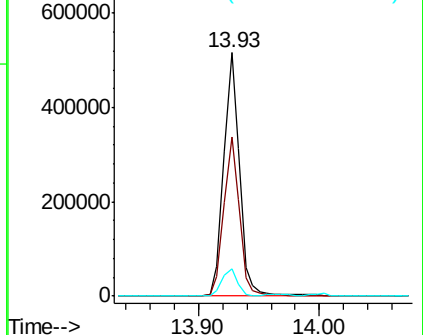
126 11.0 8.7 13.1

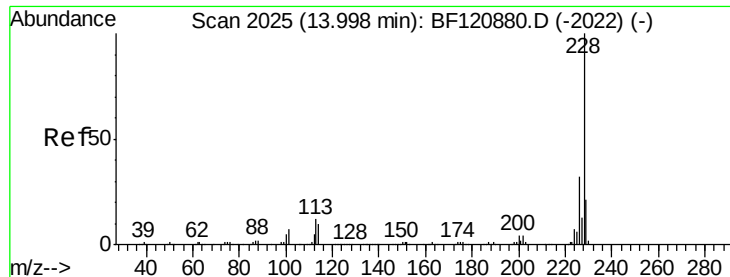


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

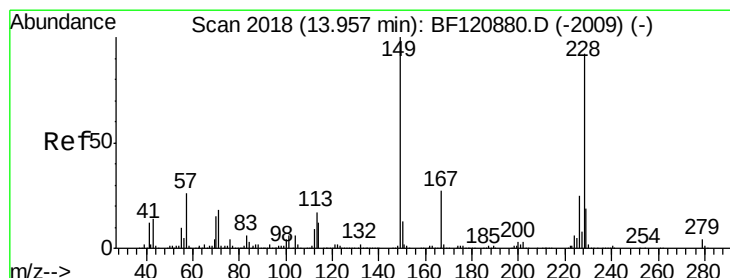
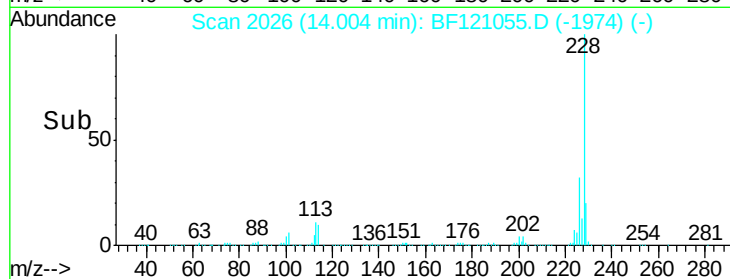
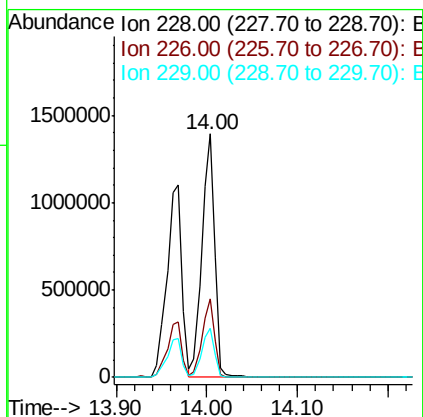
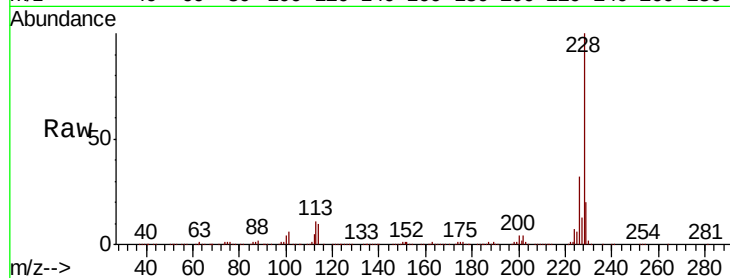




#83
 Chrysene
 Concen: 44.053 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

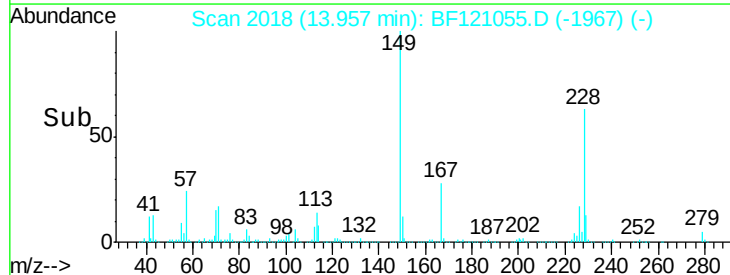
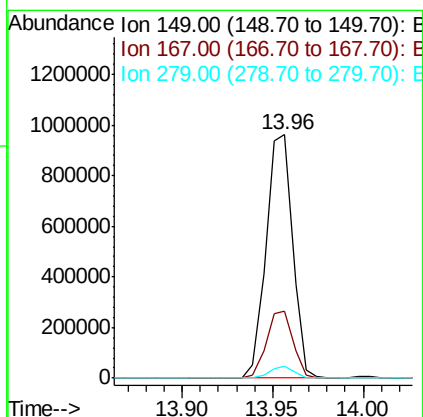
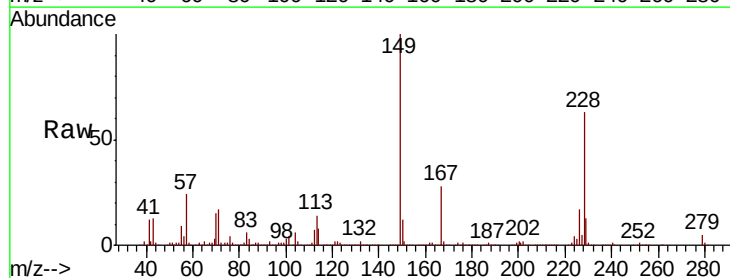
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

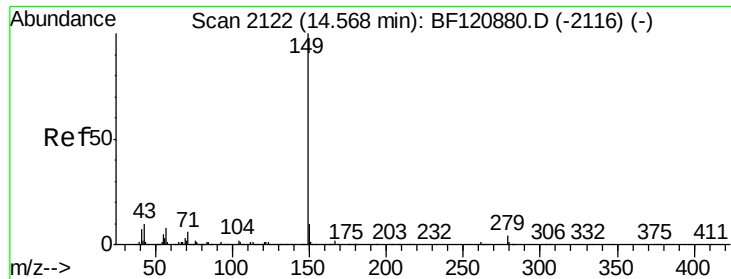
Tot Ion:228 Resp: 1383475
 Ion Ratio Lower Upper
 228 100
 226 32.2 25.6 38.4
 229 20.3 16.8 25.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.243 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:149 Resp: 982819
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.9 32.9
 279 4.9 3.0 4.4#

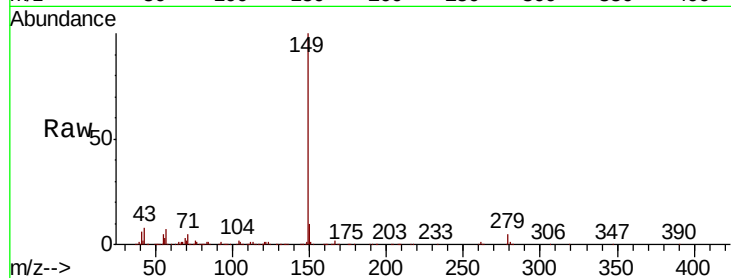




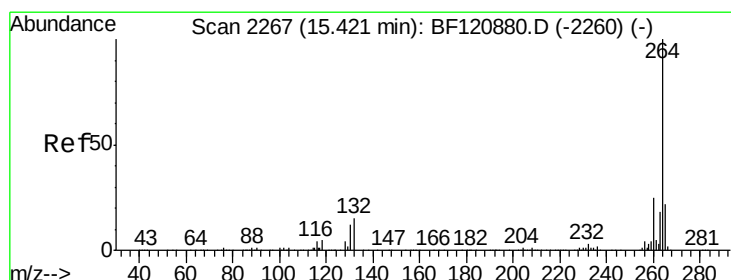
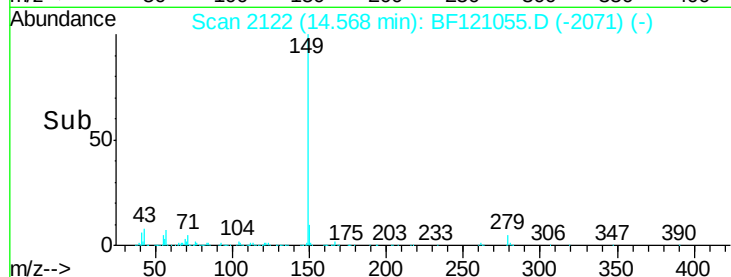
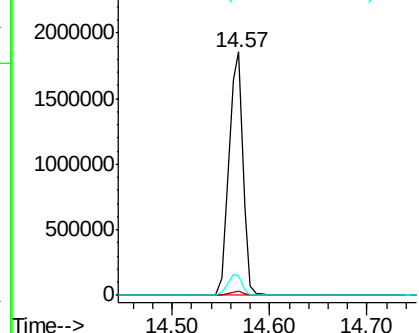
#85
Di-n-octyl phthalate
Concen: 48.453 ng
RT: 14.57 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:149 Resp: 1848880
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 7.6 11.4

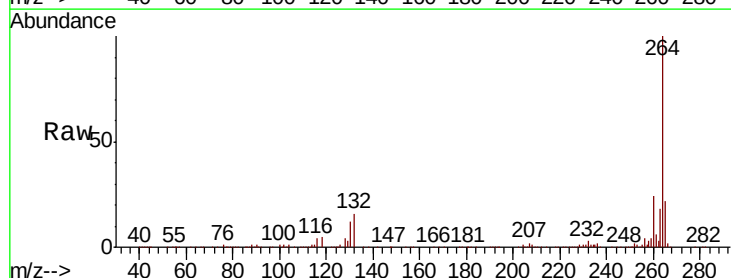


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

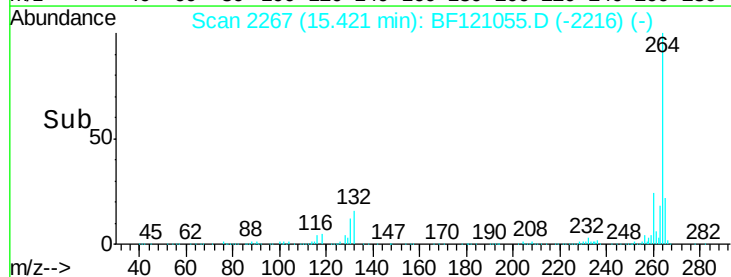
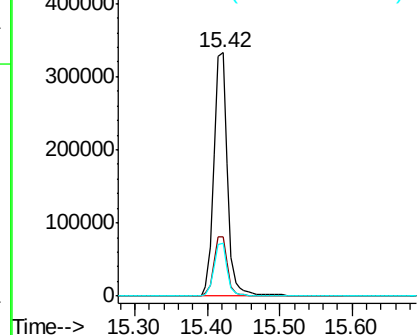


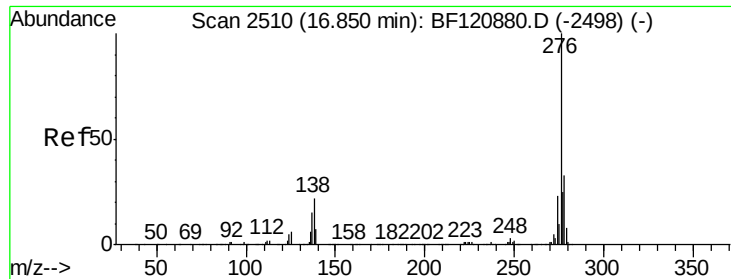
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:264 Resp: 438230
Ion Ratio Lower Upper
264 100
260 24.4 20.0 30.0
265 22.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

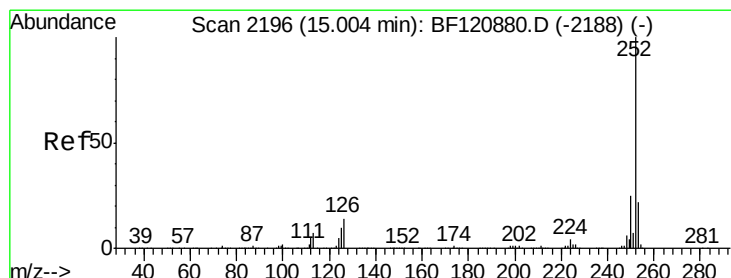
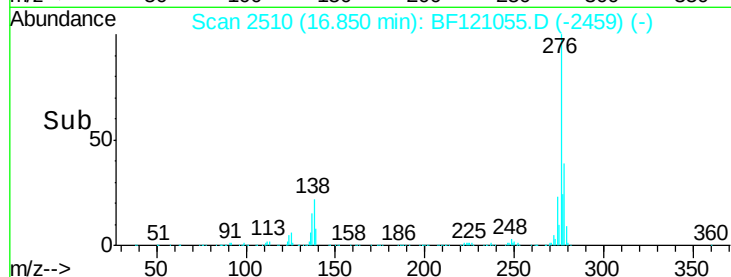
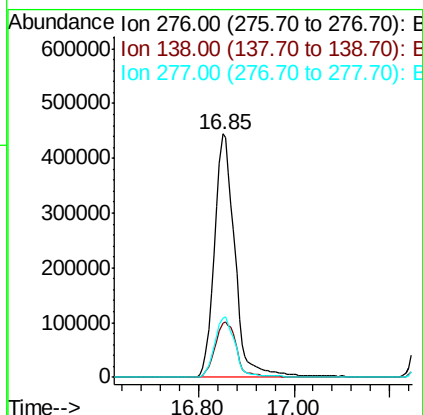
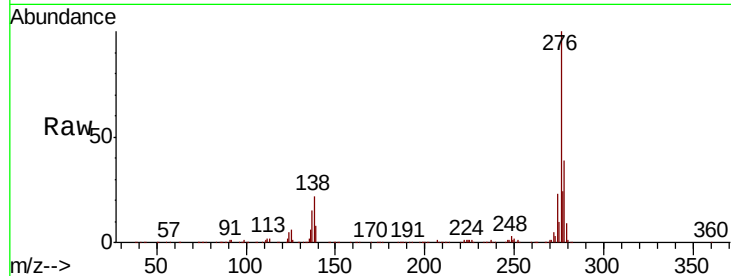




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.237 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

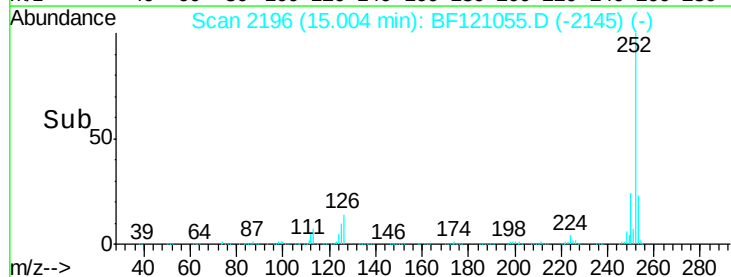
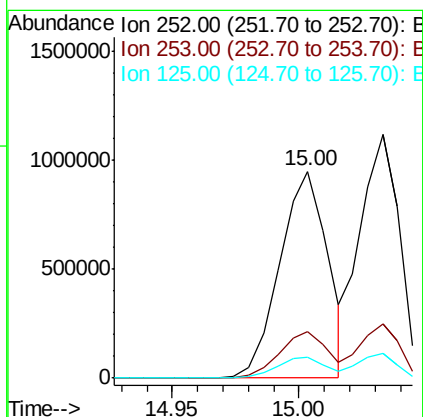
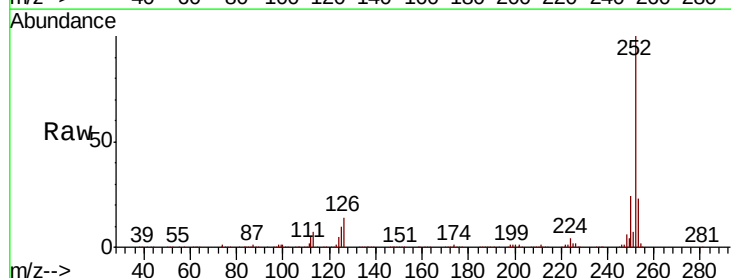
Instrument :
 BNA_F
 ClientSampleId :
 CTR-007MSD

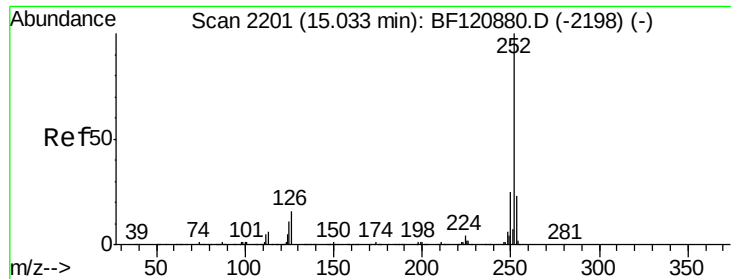
Tot Ion:276 Resp: 1317744
 Ion Ratio Lower Upper
 276 100
 138 24.2 19.8 29.8
 277 25.4 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 47.155 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: BF121055.D
 Acq: 28 Jul 2020 2:52

Tgt Ion:252 Resp: 1249108
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.0 27.0
 125 10.3 8.3 12.5

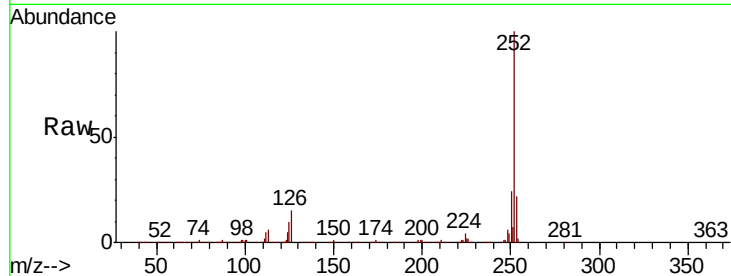




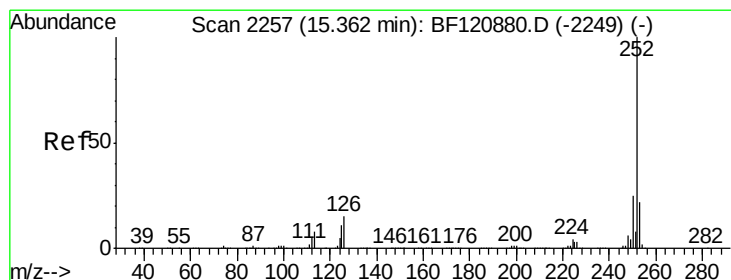
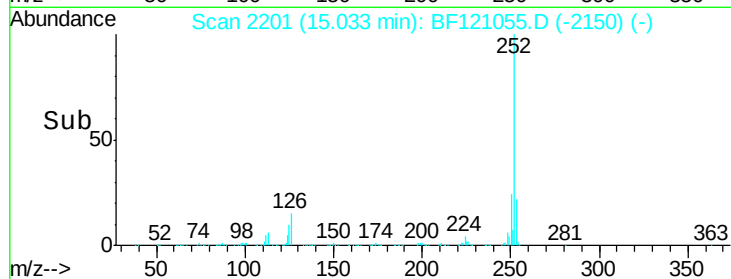
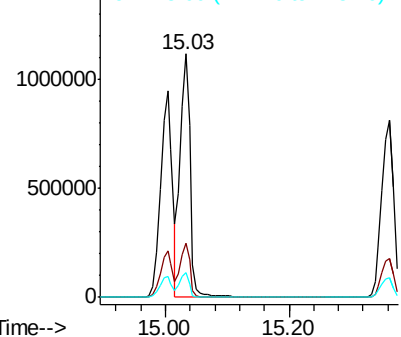
#89
Benzo(k)fluoranthene
Concen: 52.272 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:252 Resp: 1262804
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 10.2 8.4 12.6

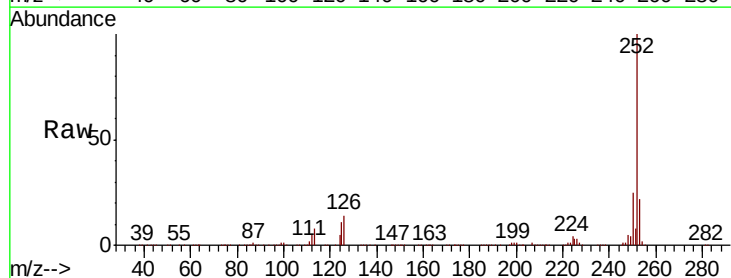


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

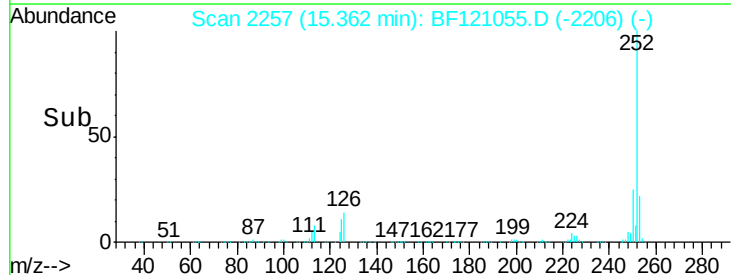
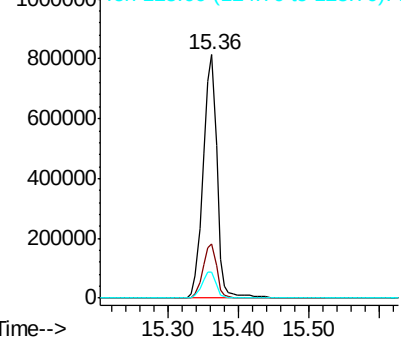


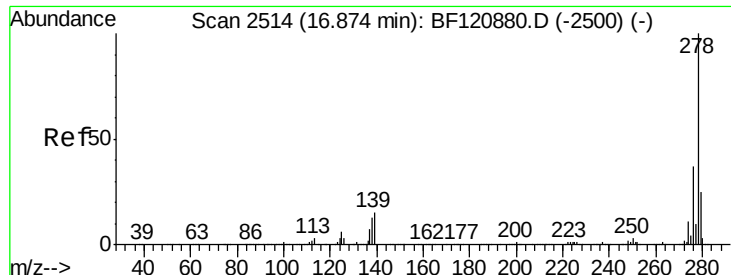
#90
Benzo(a)pyrene
Concen: 45.689 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:252 Resp: 1104215
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 10.9 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

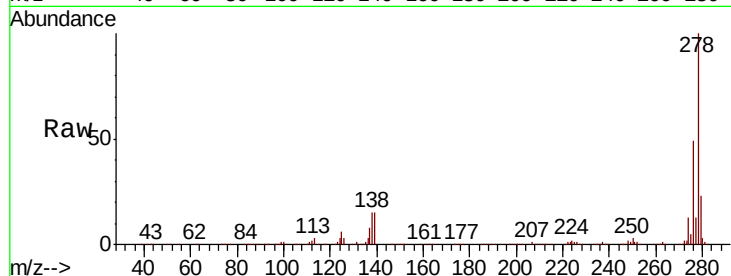




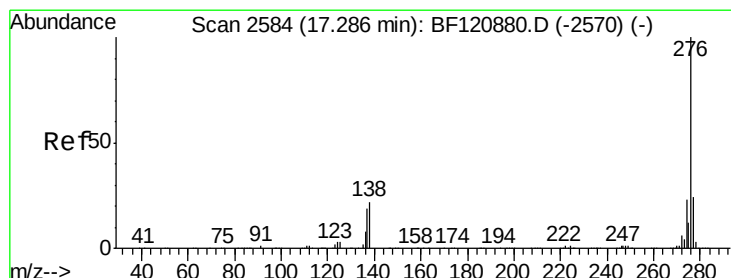
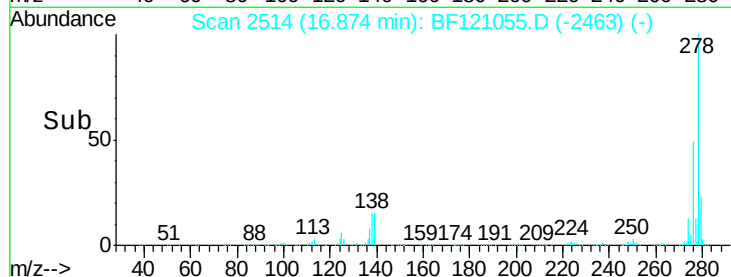
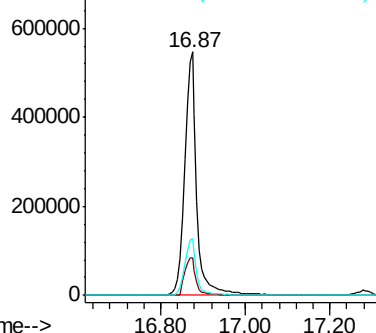
#91
Dibenzo(a,h)anthracene
Concen: 45.224 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Instrument :
BNA_F
ClientSampleId :
CTR-007MSD

Tot Ion:278 Resp: 1125873
Ion Ratio Lower Upper
278 100
139 15.2 12.3 18.5
279 23.4 20.1 30.1

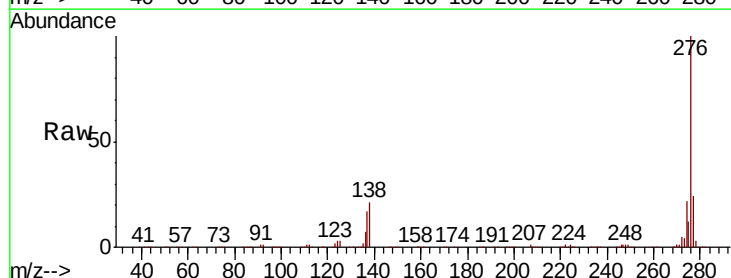


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 44.136 ng
RT: 17.29 min Scan# 2584
Delta R.T. 0.00 min
Lab File: BF121055.D
Acq: 28 Jul 2020 2:52

Tgt Ion:276 Resp: 1083385
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 20.8 17.5 26.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

