

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121781.D
 Acq On : 1 Oct 2020 22:21
 Operator : JU/CG
 Sample : L4179-09MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

Quant Time: Oct 02 00:40:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	137759	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	480848	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	210700	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	345416	20.00	ng	0.00
76) Chrysene-d12	13.94	240	324067	20.00	ng	0.00
86) Perylene-d12	15.39	264	264526	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	337392	36.40	ng	0.00
7) Phenol-d6	6.42	99	412010	33.88	ng	0.00
23) Nitrobenzene-d5	7.33	82	262578	29.32	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	81114	30.97	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	448992	32.27	ng	0.00
79) Terphenyl-d14	12.88	244	396194	24.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	47140	11.069	ng	99
3) Pyridine	3.23	79	123354	10.478	ng	99
4) n-Nitrosodimethylamine	3.15	42	68223	12.493	ng	97
6) Aniline	6.43	93	152002	9.597	ng	# 68
8) 2-Chlorophenol	6.56	128	127473	13.507	ng	94
9) Benzaldehyde	6.32	77	38345	4.823	ng	99
10) Phenol	6.43	94	169491	13.088	ng	91
11) bis(2-Chloroethyl)ether	6.50	93	134583	13.789	ng	97
12) 1,3-Dichlorobenzene	6.72	146	140724	13.359	ng	94
13) 1,4-Dichlorobenzene	6.79	146	142876	13.508	ng	98
14) 1,2-Dichlorobenzene	6.95	146	136512	14.010	ng	99
15) Benzyl Alcohol	6.92	79	107259	12.976	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.05	45	204904	13.046	ng	94
17) 2-Methylphenol	7.04	107	103261	12.859	ng	97
18) Hexachloroethane	7.29	117	36135	9.541	ng	92
19) n-Nitroso-di-n-propylamine	7.18	70	95472	13.622	ng	98
20) 3+4-Methylphenols	7.19	107	135090	14.001	ng	# 63
22) Acetophenone	7.18	105	182446	14.955	ng	# 89
24) Nitrobenzene	7.36	77	131376	13.563	ng	94
25) Isophorone	7.59	82	238810	13.247	ng	99
26) 2-Nitrophenol	7.67	139	50124	12.966	ng	100
27) 2,4-Dimethylphenol	7.72	122	106889	13.283	ng	97
28) bis(2-Chloroethoxy)methane	7.80	93	156735	14.044	ng	100
29) 2,4-Dichlorophenol	7.92	162	93763	12.793	ng	98
30) 1,2,4-Trichlorobenzene	8.00	180	104050	13.479	ng	98
31) Naphthalene	8.08	128	348198	13.718	ng	100
32) Benzoic acid	7.82	122	39689	12.591	ng	96
33) 4-Chloroaniline	8.13	127	111939	10.174	ng	98
34) Hexachlorobutadiene	8.19	225	63646	14.047	ng	99
35) Caprolactam	8.47	113	30204	12.374	ng	# 87
36) 4-Chloro-3-methylphenol	8.62	107	93640	11.860	ng	98
37) 2-Methylnaphthalene	8.77	142	223409	13.430	ng	98
38) 1-Methylnaphthalene	8.87	142	201875	13.040	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.94	216	97013	14.740	ng	99

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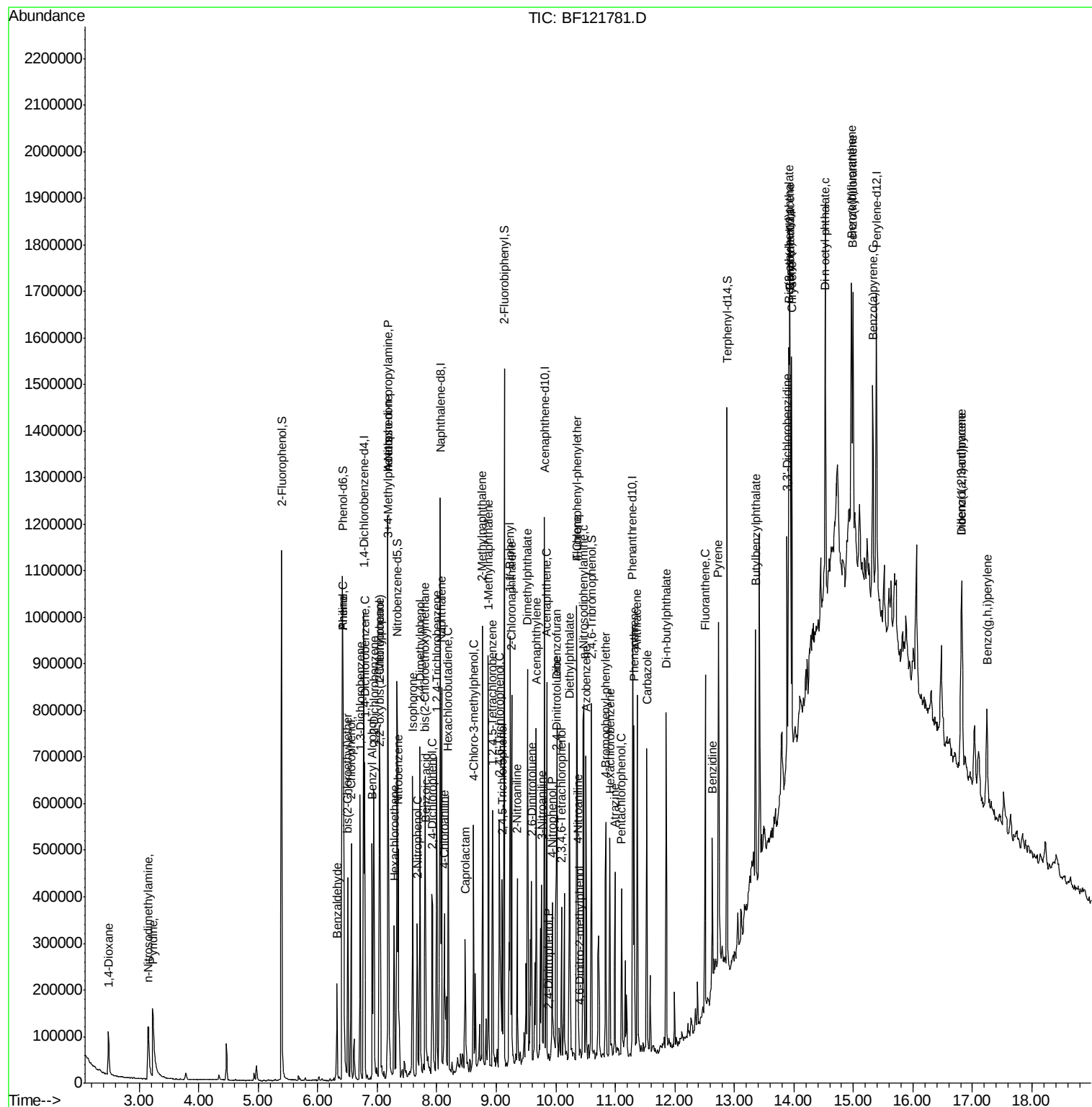
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.05	196	59972	13.368	nq	97
44) 2,4,5-Trichlorophenol	9.10	196	62096	13.093	nq	99
46) 1,1'-Biphenyl	9.23	154	251742	14.924	nq	98
47) 2-Chloronaphthalene	9.26	162	187389	14.098	nq	98
48) 2-Nitroaniline	9.36	65	63792	15.444	nq	94
49) Acenaphthylene	9.67	152	280572	13.738	nq	99
50) Dimethylphthalate	9.53	163	277678	18.183	nq	100
51) 2,6-Dinitrotoluene	9.59	165	41165	12.657	nq	97
52) Acenaphthene	9.85	154	163672	12.688	nq	99
53) 3-Nitroaniline	9.76	138	50013	13.275	nq	99
54) 2,4-Dinitrophenol	9.89	184	1423	9.721	nq	# 77
55) Dibenzofuran	10.02	168	244800	13.476	nq	97
56) 4-Nitrophenol	9.94	139	57435	19.116	nq	92
57) 2,4-Dinitrotoluene	10.00	165	47374	11.579	nq	91
58) Fluorene	10.36	166	189974	13.675	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	42173	10.938	nq	94
60) Diethylphthalate	10.23	149	215047	14.443	nq	98
61) 4-Chlorophenyl-phenylether	10.35	204	93359	14.029	nq	99
62) 4-Nitroaniline	10.37	138	50578	13.521	nq	97
63) Azobenzene	10.51	77	194645	12.276	nq	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	1881	7.613	nq	76
66) n-Nitrosodiphenylamine	10.47	169	175235	14.787	nq	100
67) 4-Bromophenyl-phenylether	10.84	248	55387	14.084	nq	99
68) Hexachlorobenzene	10.91	284	59607	13.431	nq	92
69) Atrazine	10.99	200	36938	12.546	nq	97
70) Pentachlorophenol	11.10	266	47023	19.292	nq	97
71) Phenanthrene	11.32	178	266767	14.175	nq	99
72) Anthracene	11.37	178	270485	13.927	nq	99
73) Carbazole	11.53	167	237772	13.567	nq	99
74) Di-n-butylphthalate	11.86	149	313631	15.505	nq	99
75) Fluoranthene	12.51	202	292009	14.535	nq	97
77) Benzidine	12.63	184	129560	12.059	nq	100
78) Pyrene	12.74	202	304261	12.850	nq	98
80) Butylbenzylphthalate	13.36	149	126306	13.190	nq	93
81) Benzo(a)anthracene	13.93	228	287707	14.033	nq	100
82) 3,3'-Dichlorobenzidine	13.89	252	97234	12.148	nq	99
83) Chrysene	13.96	228	282974	13.630	nq	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	188856	14.763	nq	# 98
85) Di-n-octyl phthalate	14.53	149	328690	14.559	nq	# 99
87) Indeno(1,2,3-cd)pyrene	16.82	276	211192	12.260	nq	99
88) Benzo(b)fluoranthene	14.97	252	261046	14.762	nq	# 95
89) Benzo(k)fluoranthene	14.99	252	238417	14.723	nq	# 84
90) Benzo(a)pyrene	15.33	252	212724	14.152	nq	96
91) Dibenzo(a,h)anthracene	16.82	278	182174	12.704	nq	97
92) Benzo(g,h,i)perylene	17.24	276	169410	12.018	nq	98

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

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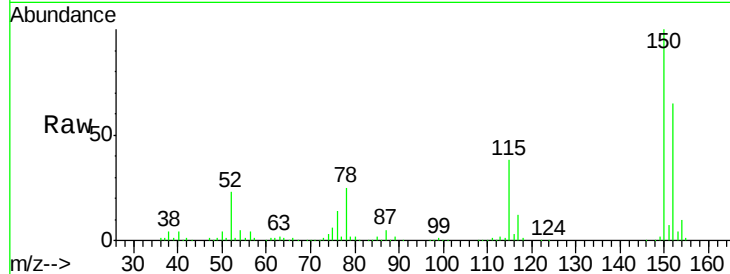


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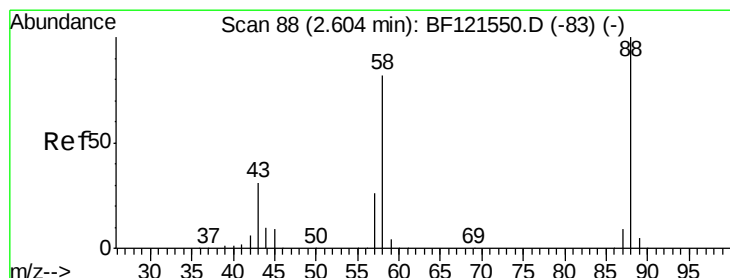
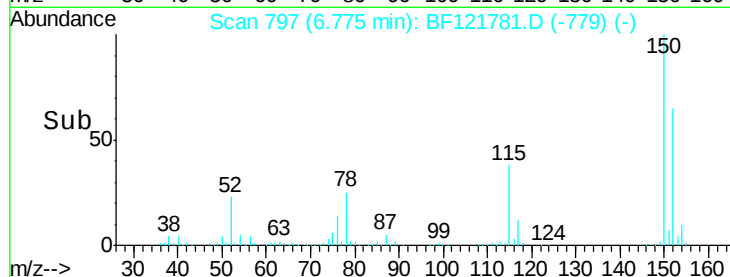
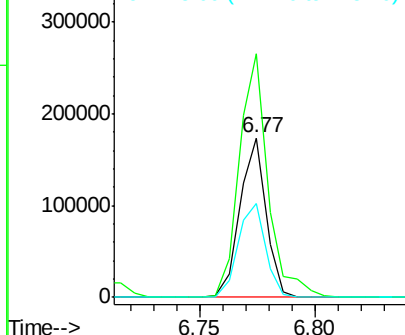
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:152 Resp: 137759
Ion Ratio Lower Upper
152 100
150 152.9 125.3 187.9
115 58.7 51.9 77.9



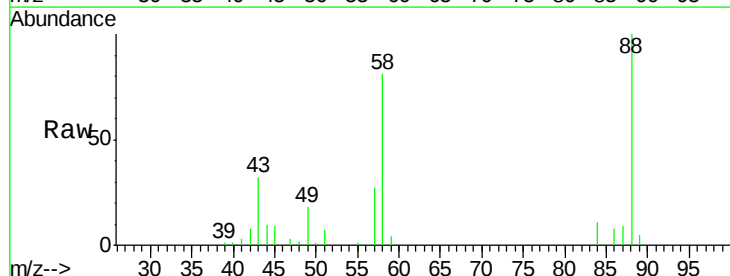
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



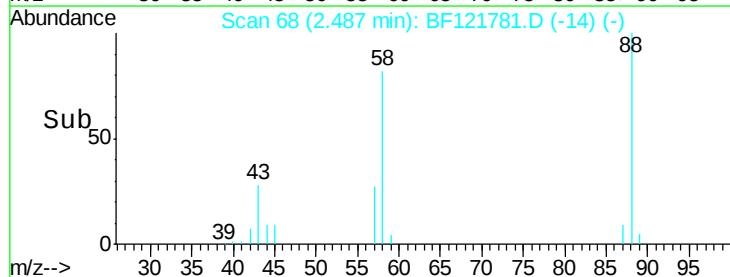
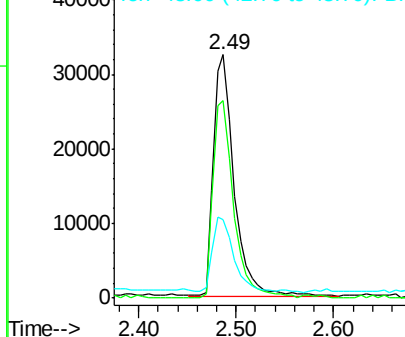
#2

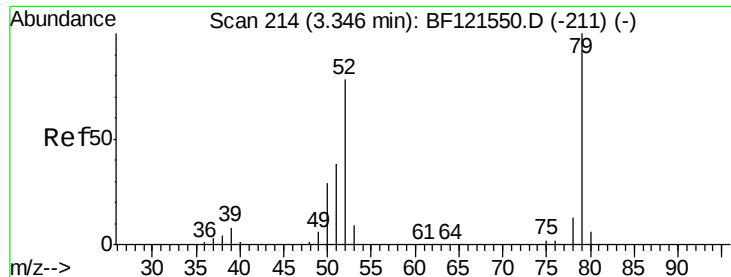
1,4-Dioxane
Concen: 11.069 ng
RT: 2.49 min Scan# 68
Delta R.T. 0.02 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion: 88 Resp: 47140
Ion Ratio Lower Upper
88 100
58 82.9 65.8 98.8
43 30.3 25.8 38.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 10.478 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.04 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

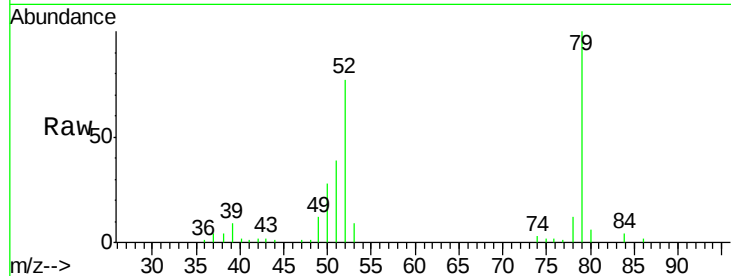
Tot Ion: 79 Resp: 123354

Ion Ratio Lower Upper

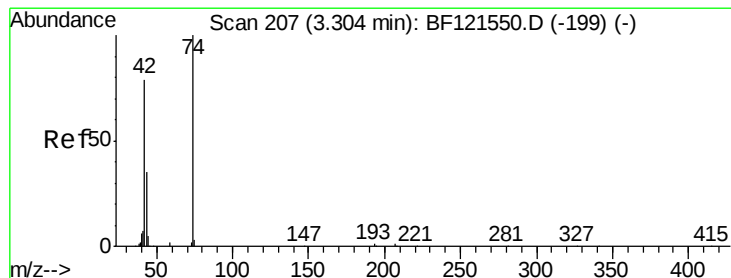
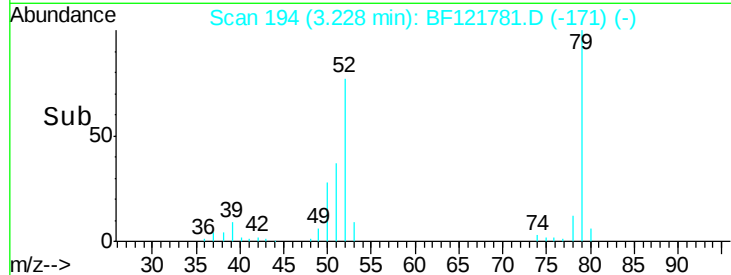
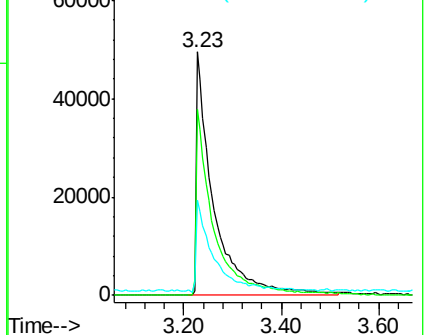
79 100

52 76.5 62.2 93.4

51 39.2 31.1 46.7



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 12.493 ng

RT: 3.15 min Scan# 181

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

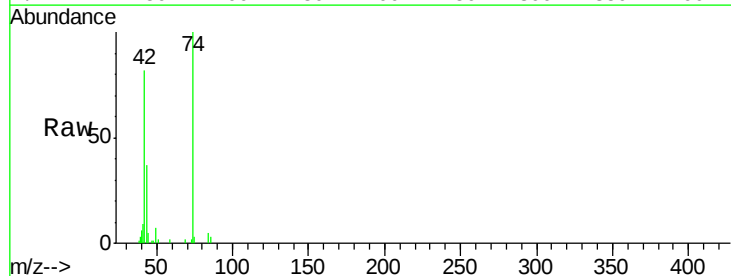
Tgt Ion: 42 Resp: 68223

Ion Ratio Lower Upper

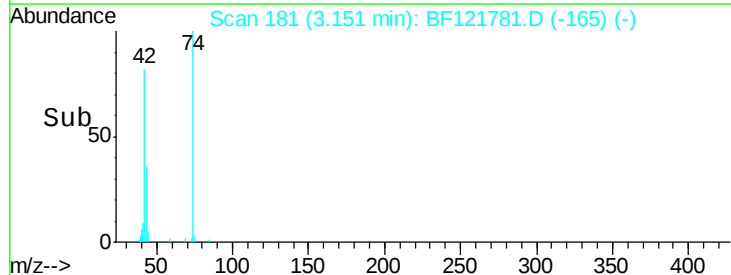
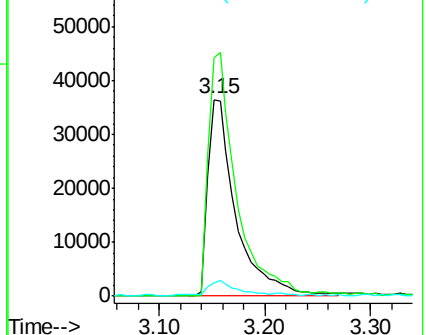
42 100

74 121.5 100.2 150.2

44 6.5 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 36.397 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

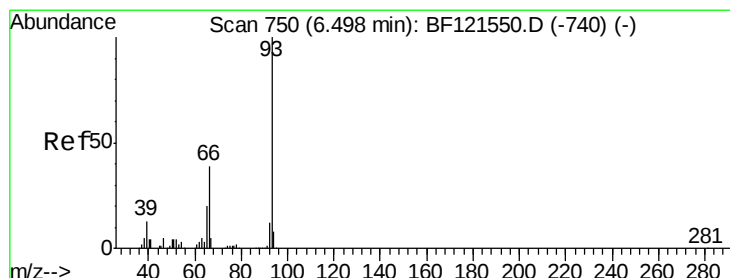
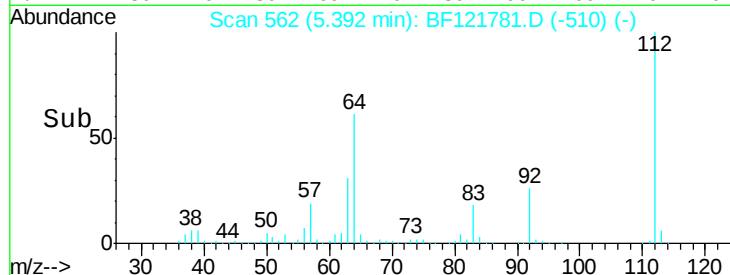
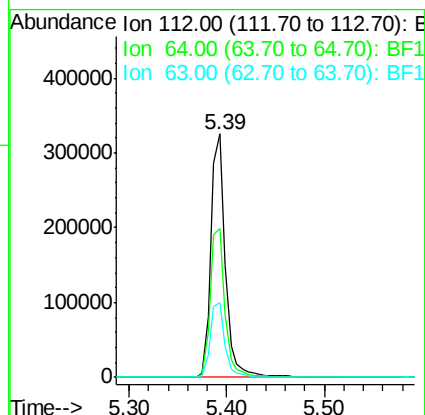
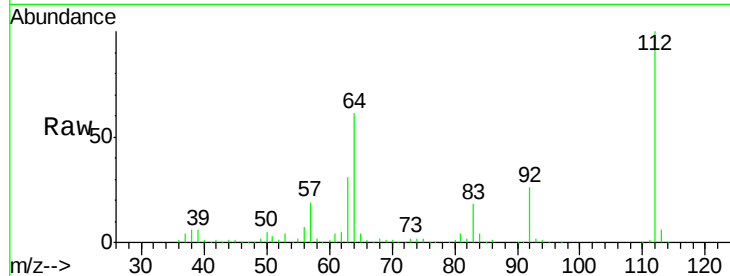
Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

Tot Ion:	112	Resp:	337392
Ion	Ratio	Lower	Upper
112	100		
64	61.0	50.4	75.6
63	30.5	25.8	38.6



#6

Aniline

Concen: 9.597 ng

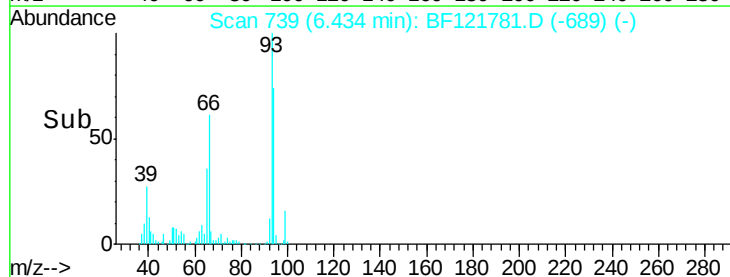
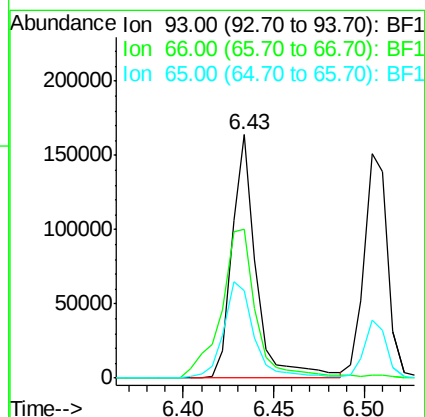
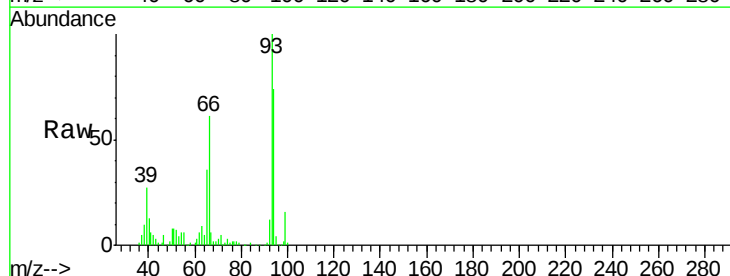
RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion:	93	Resp:	152002
Ion	Ratio	Lower	Upper
93	100		
66	61.0	32.7	49.1#
65	36.1	16.6	24.8#





#7

Phenol-d6

Concen: 33.879 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

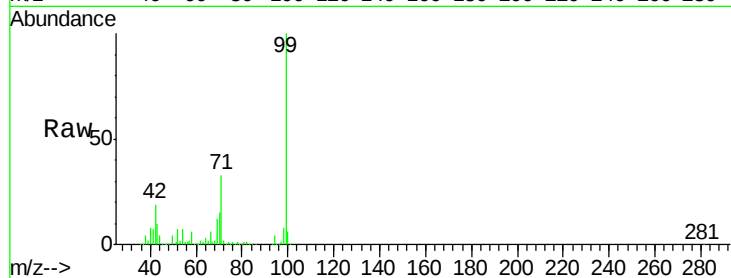
BNA_F

ClientSampleId :

B-11(1-2)MS

Tot Ion: 99 Resp: 412010

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.9	23.9
71	32.7	27.1	40.7

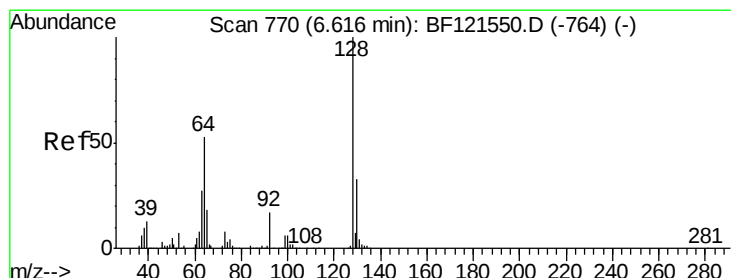
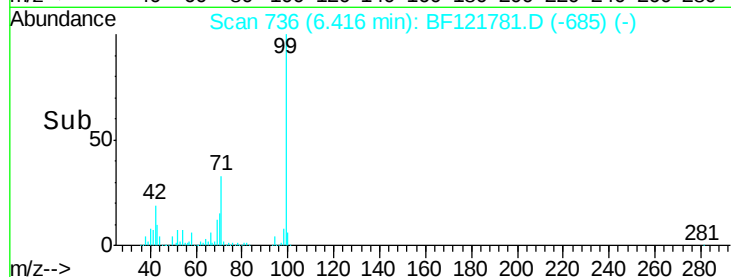
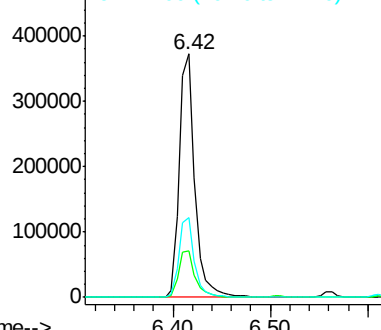


Abundance

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: 13.507 ng

RT: 6.56 min Scan# 761

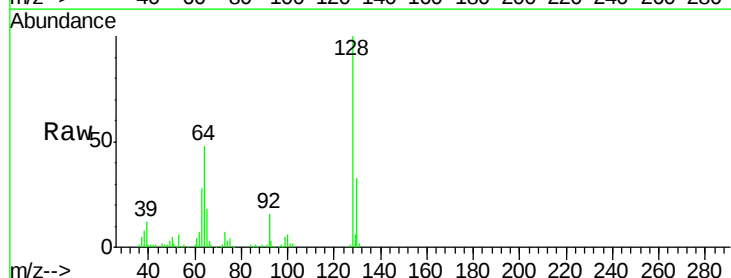
Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion: 128 Resp: 127473

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.4	52.4
64	47.5	34.8	74.8

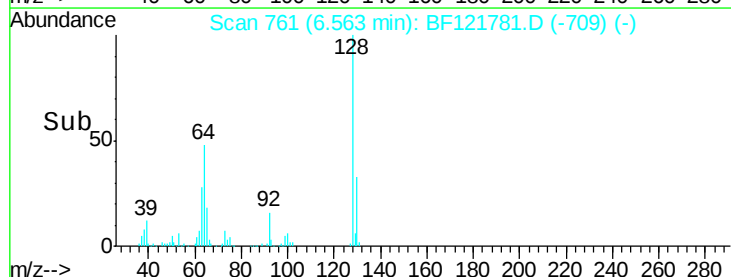
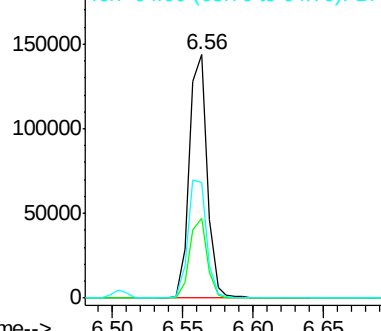


Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 4.823 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF121781.D

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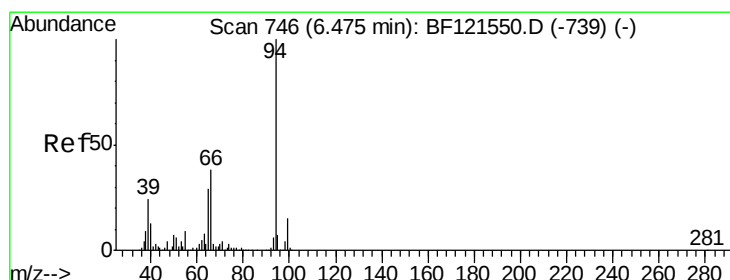
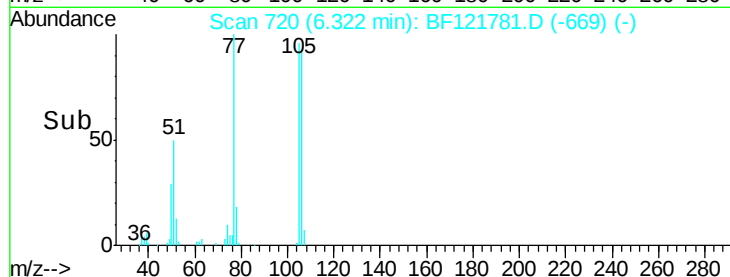
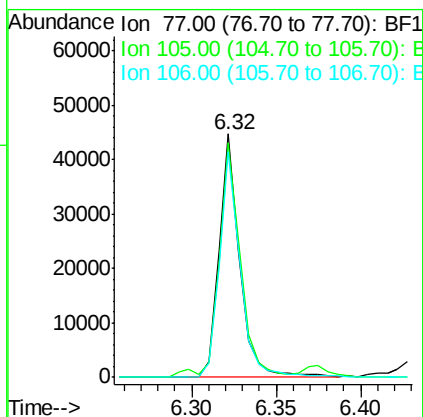
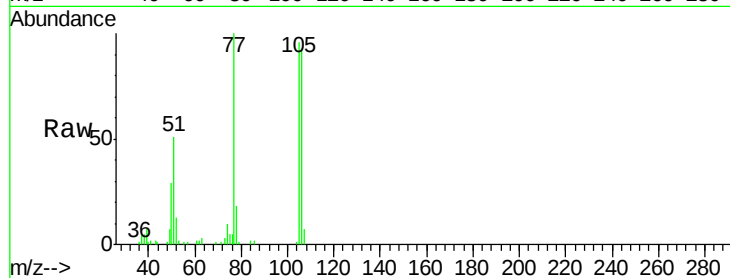
Tot Ion: 77 Resp: 38345

Ion Ratio Lower Upper

77 100

105 96.4 76.7 116.7

106 92.8 71.3 111.3



#10

Phenol

Concen: 13.088 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

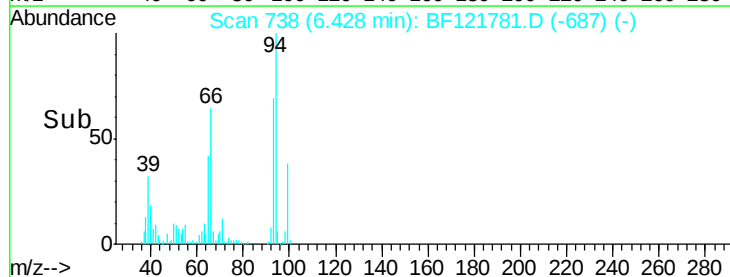
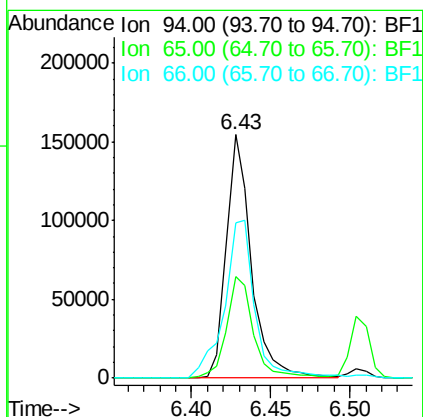
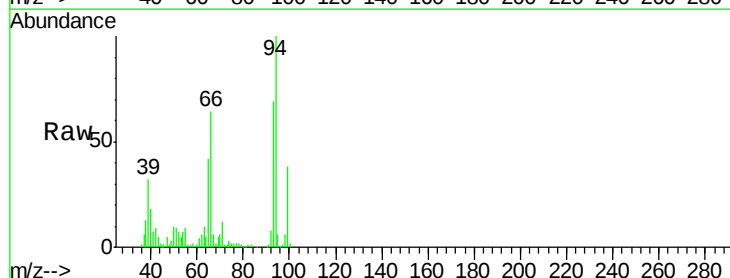
Tgt Ion: 94 Resp: 169491

Ion Ratio Lower Upper

94 100

65 41.9 17.1 57.1

66 63.6 36.0 76.0

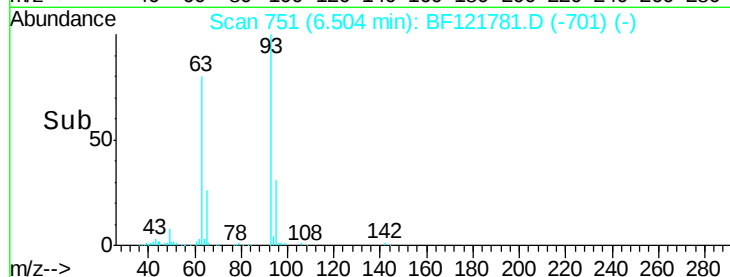
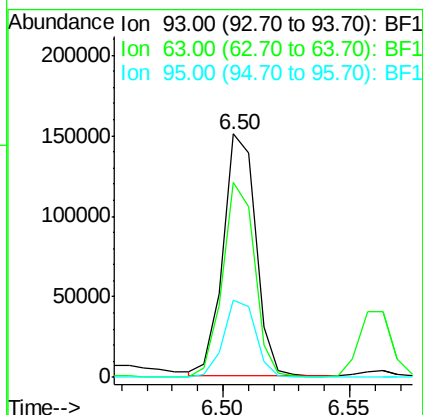
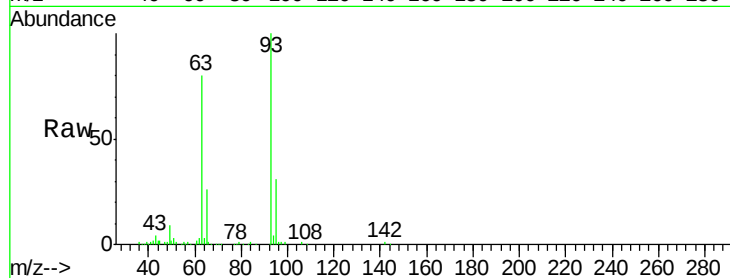




#11
bis(2-Chloroethyl)ether
Concen: 13.789 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

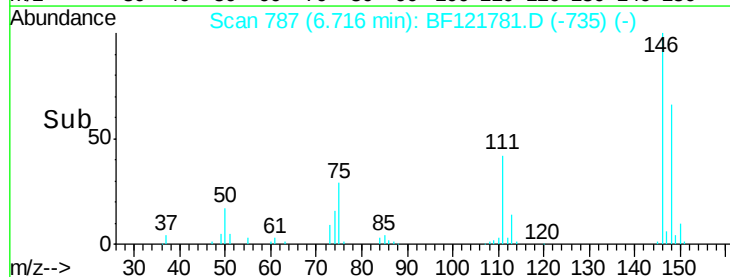
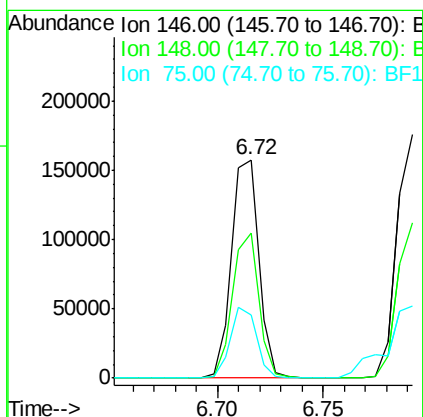
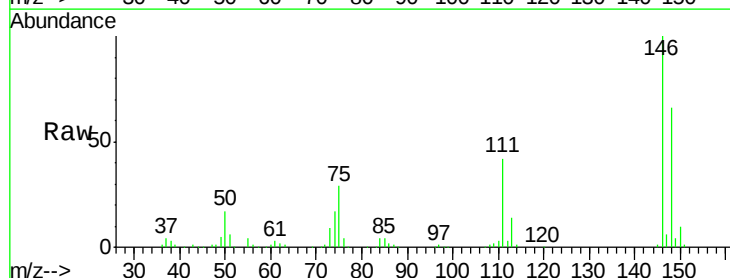
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

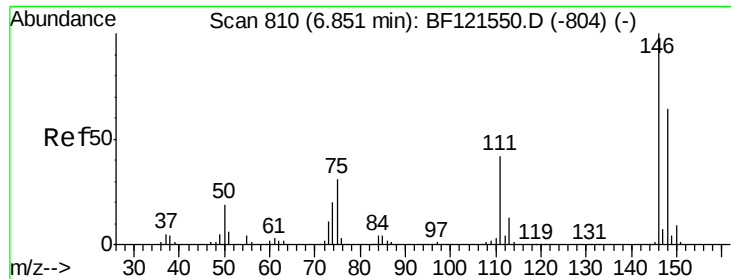
Tot Ion: 93 Resp: 134583
Ion Ratio Lower Upper
93 100
63 79.9 62.4 102.4
95 31.5 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 13.359 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion: 146 Resp: 140724
Ion Ratio Lower Upper
146 100
148 66.5 51.0 76.4
75 28.8 27.6 41.4

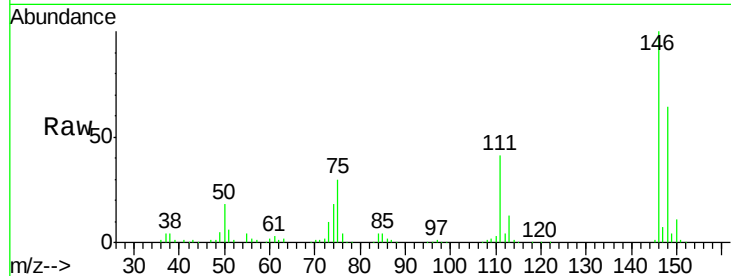




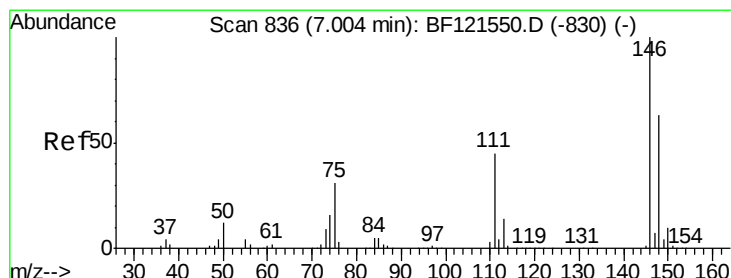
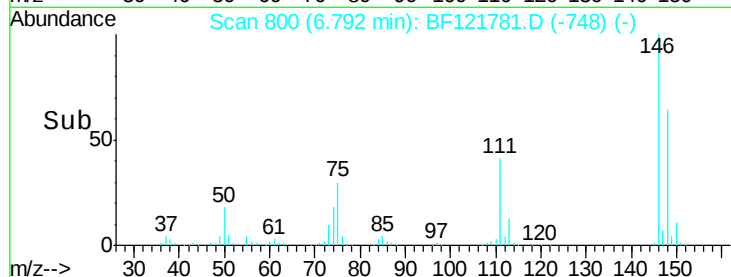
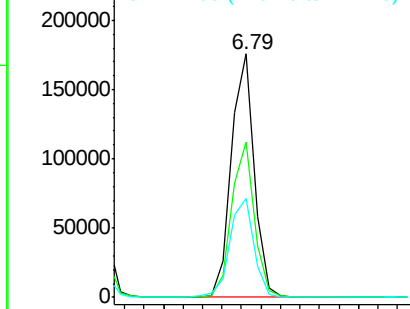
#13
 1,4-Dichlorobenzene
 Concen: 13.508 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

Tot Ion	146	Resp	142876
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.1	75.1
111	40.7	34.6	52.0

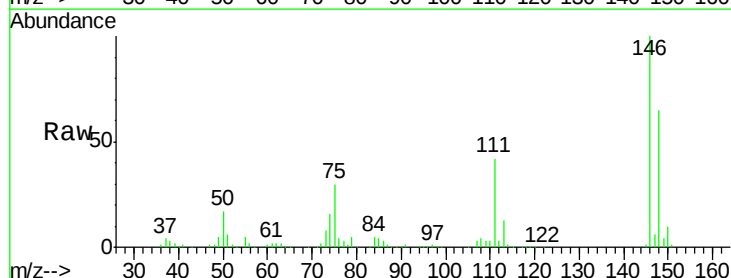


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

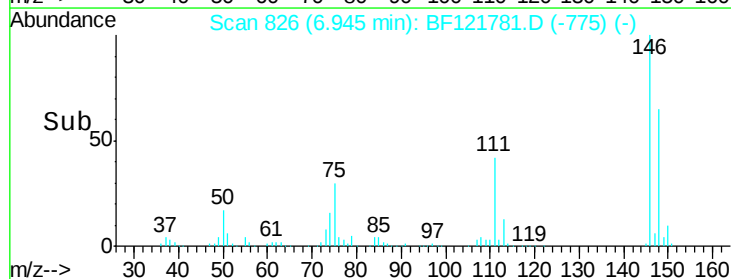
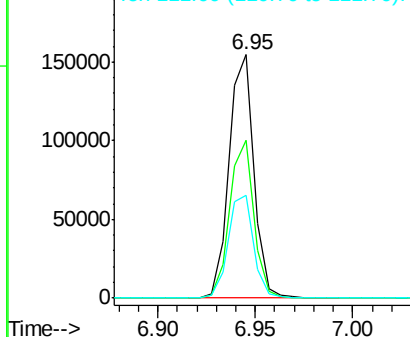


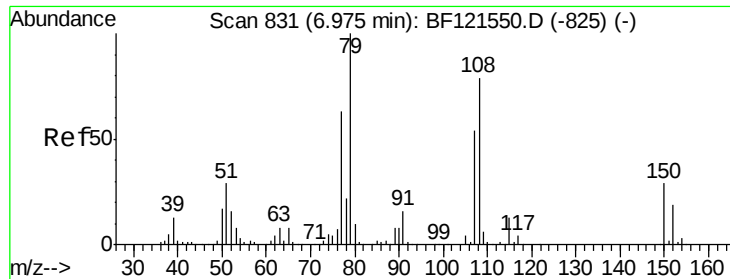
#14
 1,2-Dichlorobenzene
 Concen: 14.010 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion	146	Resp	136512
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.1	76.7
111	42.4	34.2	51.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 12.976 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

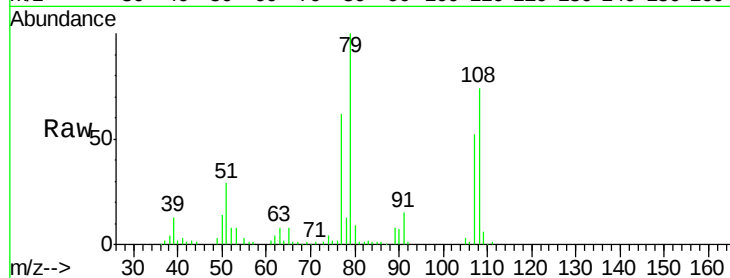
Tot Ion: 79 Resp: 107259

Ion Ratio Lower Upper

79 100

108 73.6 62.3 93.5

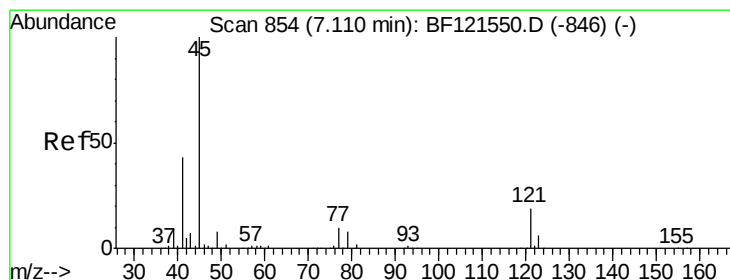
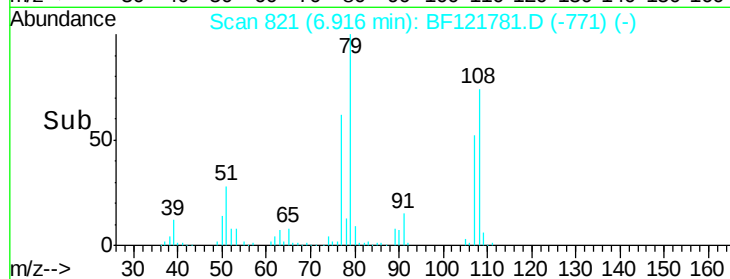
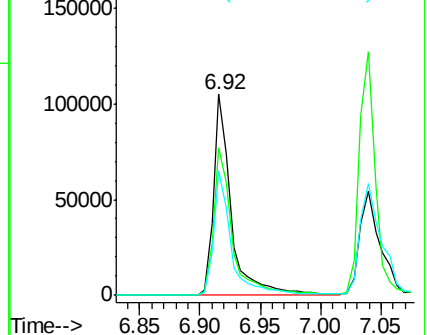
77 61.7 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 13.046 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

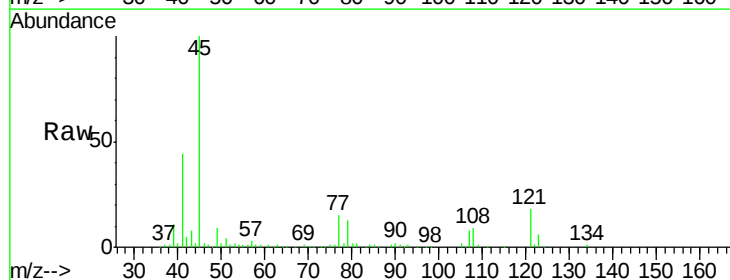
Tgt Ion: 45 Resp: 204904

Ion Ratio Lower Upper

45 100

77 15.3 0.0 33.3

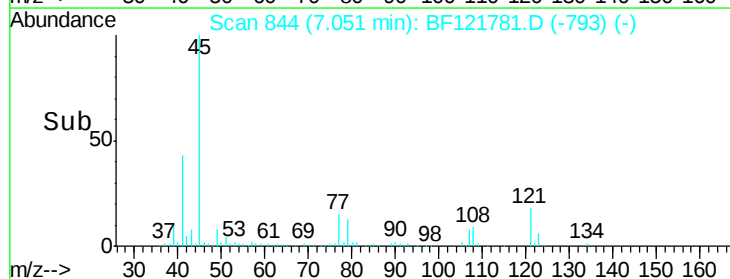
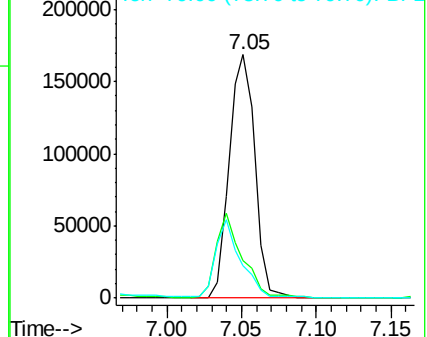
79 13.3 0.0 30.4

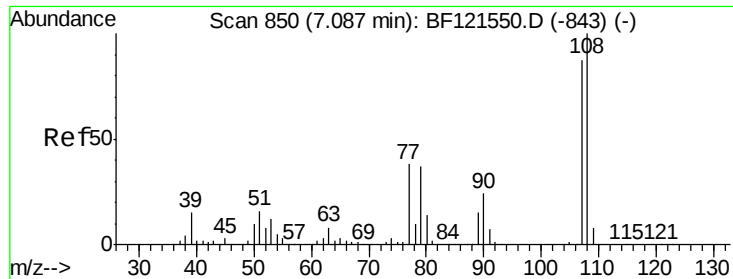


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

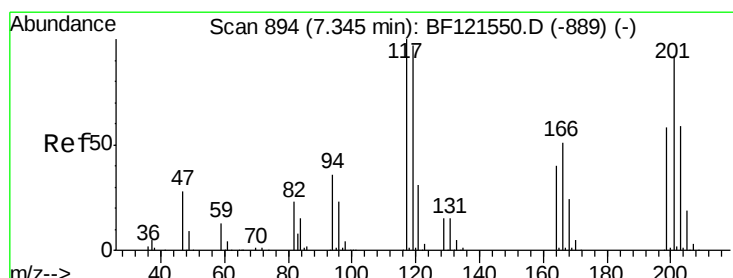
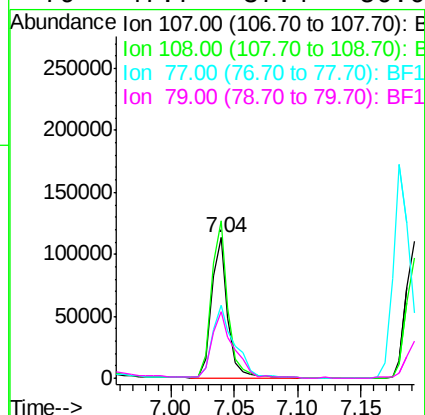
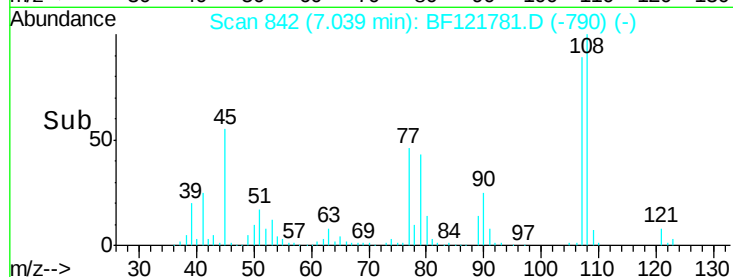
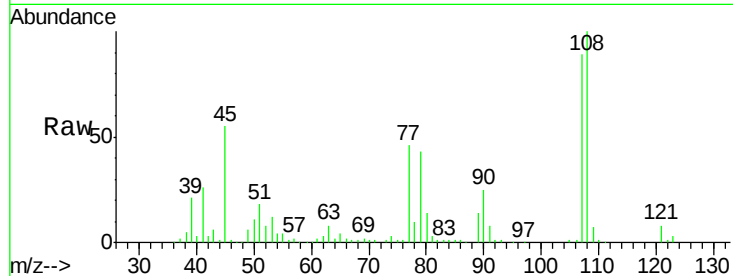




#17
2-Methylphenol
Concen: 12.859 ng
RT: 7.04 min Scan# 842
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

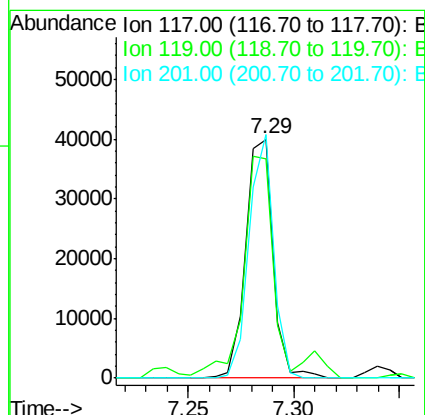
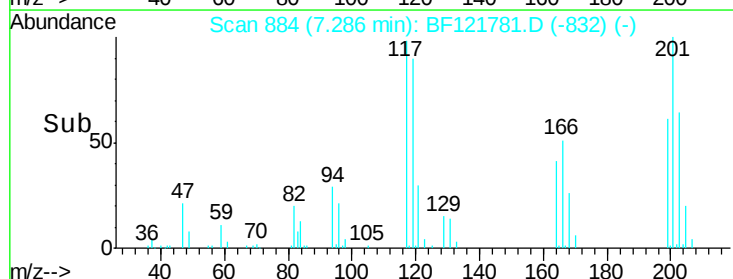
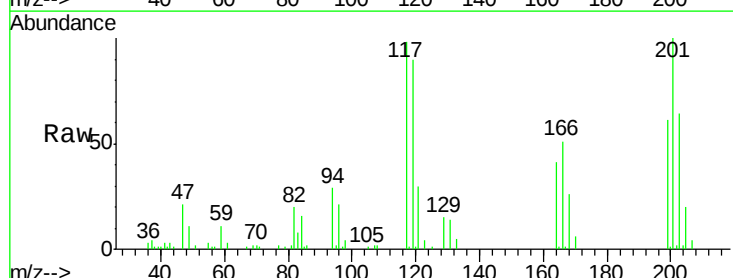
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

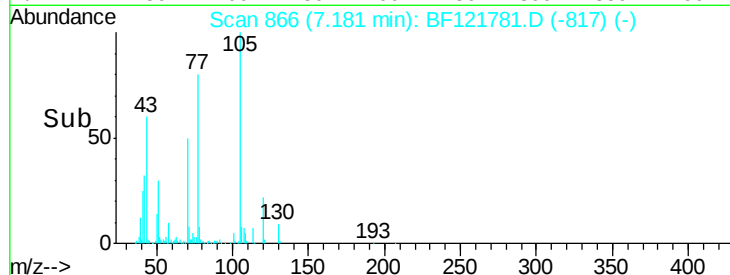
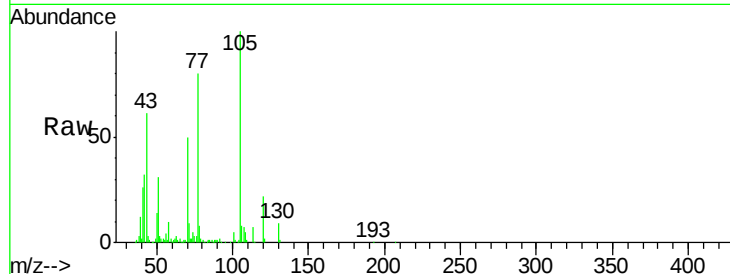
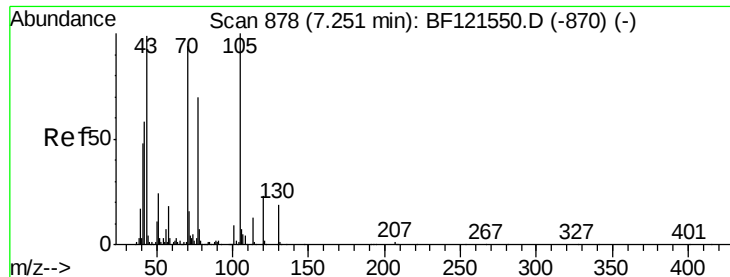
Tot Ion:	107	Resp:	103261
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.9	136.3
77	51.8	37.5	56.3
79	47.7	37.4	56.0



#18
Hexachloroethane
Concen: 9.541 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:	117	Resp:	36135
Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.3	114.5
201	101.9	71.8	107.6

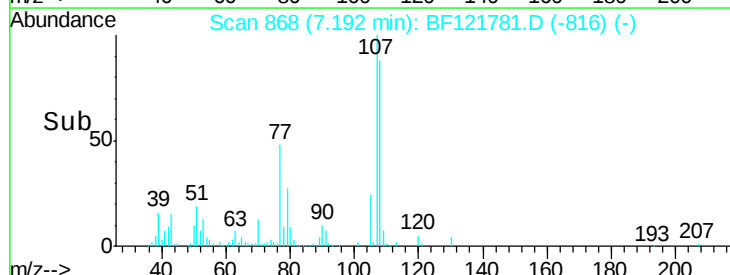
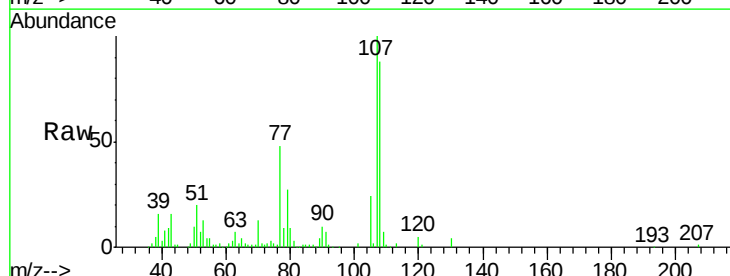
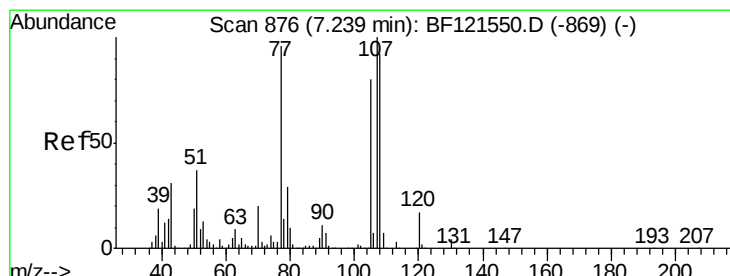
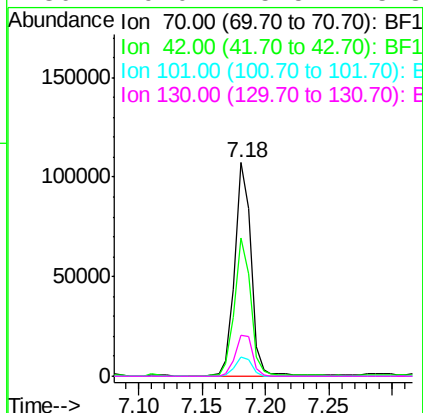




#19
n-Nitroso-di-n-propylamine
Concen: 13.622 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

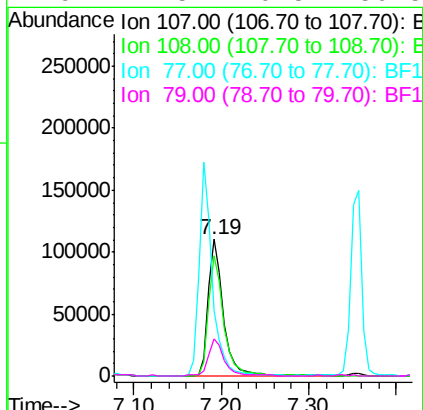
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

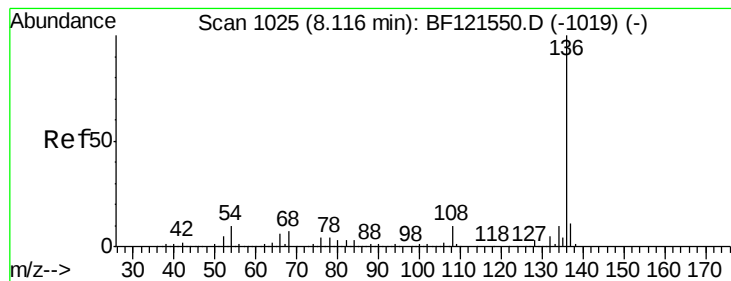
Tot Ion:	70	Resp:	95472
Ion	Ratio	Lower	Upper
70	100		
42	64.8	50.2	75.4
101	9.2	7.5	11.3
130	19.0	15.5	23.3



#20
3+4-Methylphenols
Concen: 14.001 ng
RT: 7.19 min Scan# 868
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:	107	Resp:	135090
Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.9	108.9
77	47.9	108.0	148.0#
79	27.5	10.5	50.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

Tot Ion:136 Resp: 480848

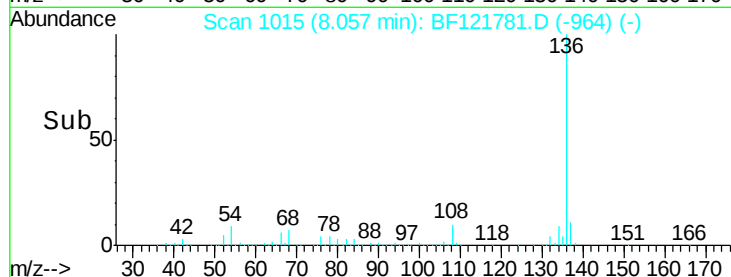
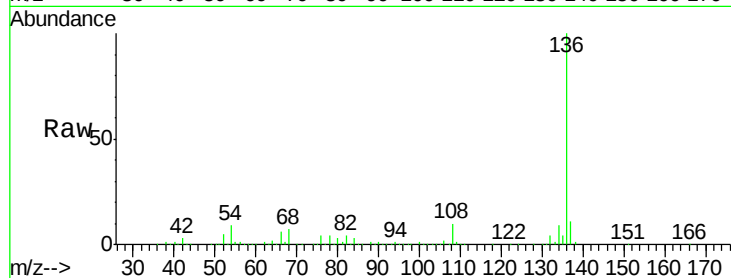
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.5 7.1 10.7

68 7.0 5.0 7.4

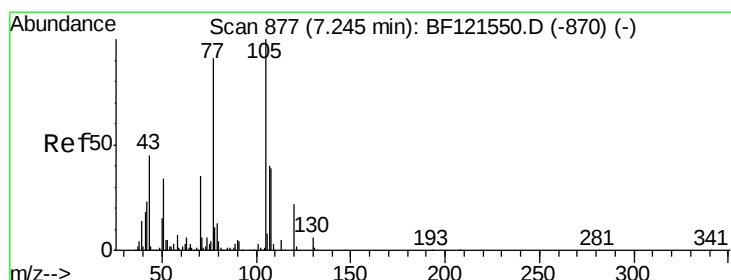
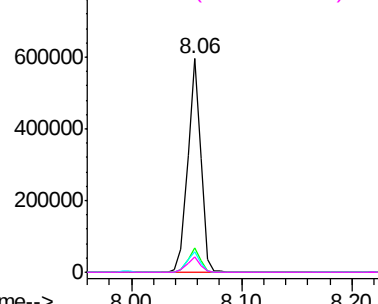


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.955 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion:105 Resp: 182446

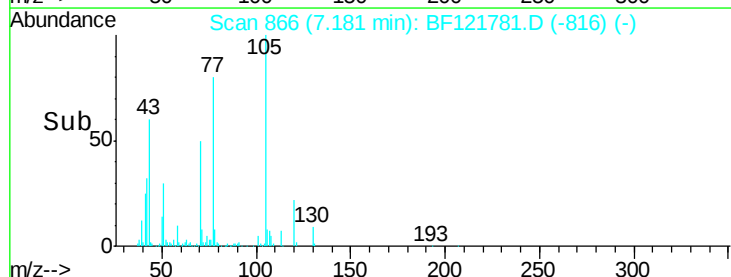
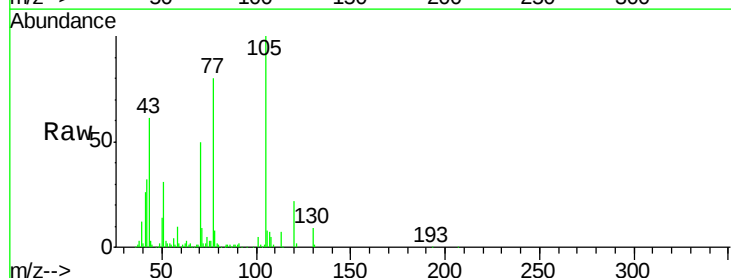
Ion Ratio Lower Upper

105 100

71 8.7 5.3 7.9#

51 30.7 33.2 49.8#

120 21.5 17.4 26.0

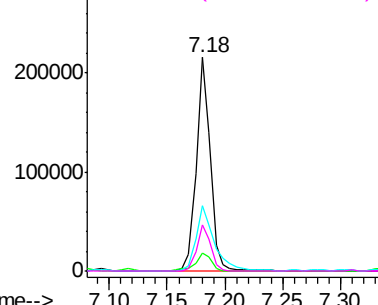


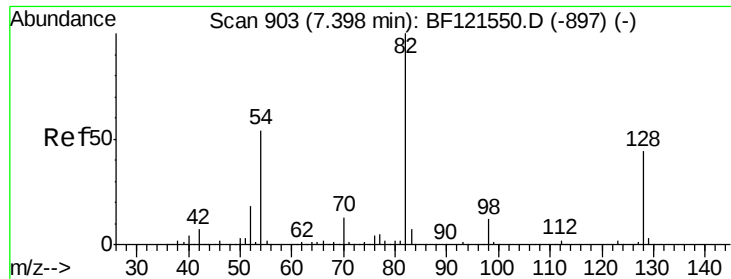
Abundance Ion 105.00 (104.70 to 105.70): E

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

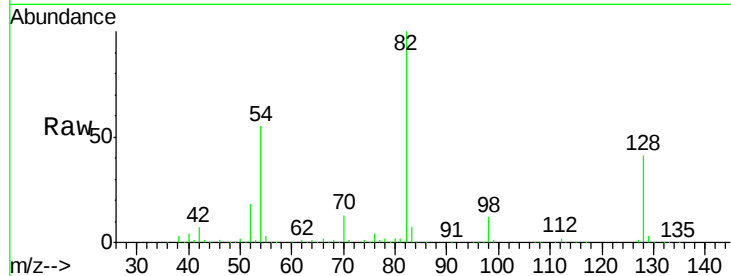




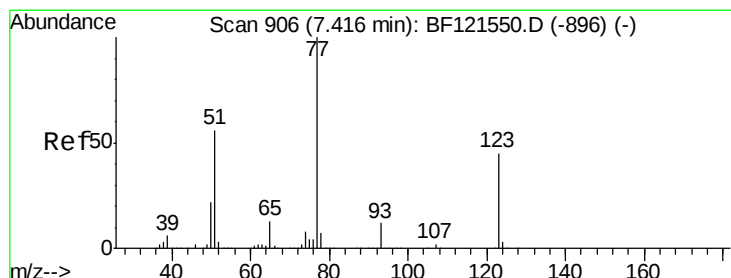
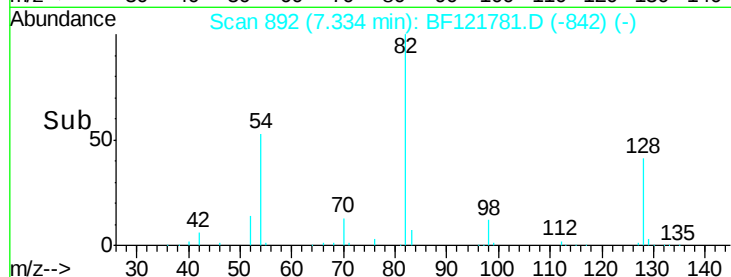
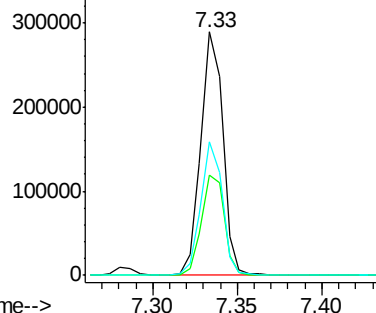
#23
Nitrobenzene-d5
Concen: 29.320 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion	82	Resp	262578
Ion Ratio	Lower	Upper	
82	100		
128	41.0	35.0	52.4
54	54.7	43.9	65.9

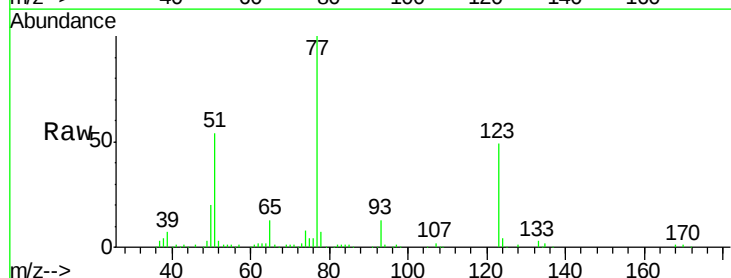


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

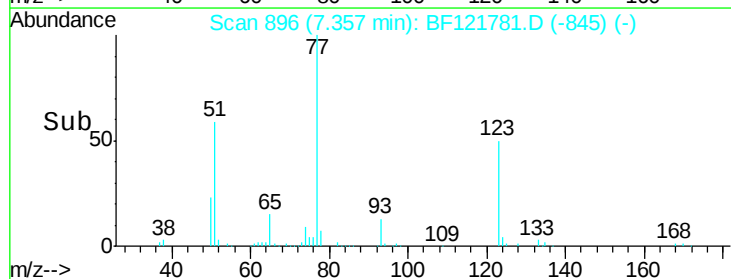
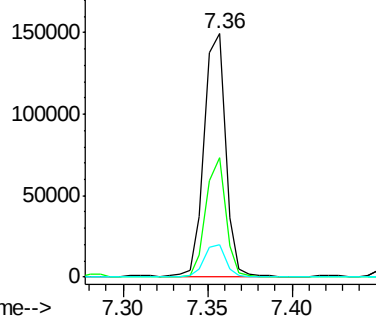


#24
Nitrobenzene
Concen: 13.563 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion	77	Resp	131376
Ion Ratio	Lower	Upper	
77	100		
123	49.0	35.6	53.4
65	13.3	11.2	16.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 13.247 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

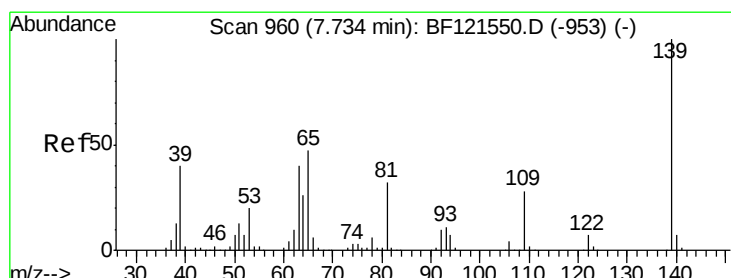
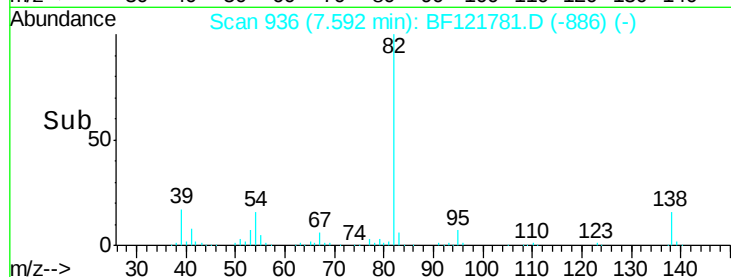
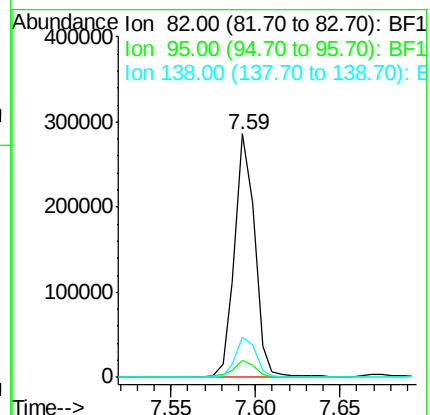
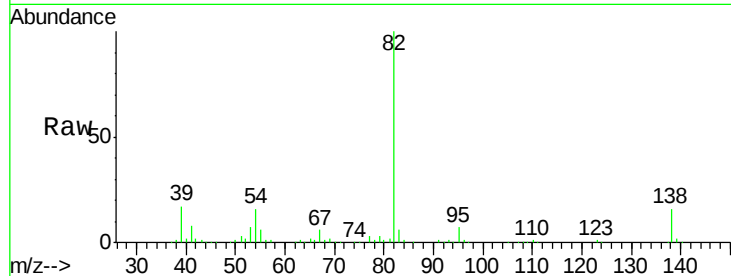
Tot Ion: 82 Resp: 238810

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.0

138 16.3 13.4 20.0



#26

2-Nitrophenol

Concen: 12.966 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

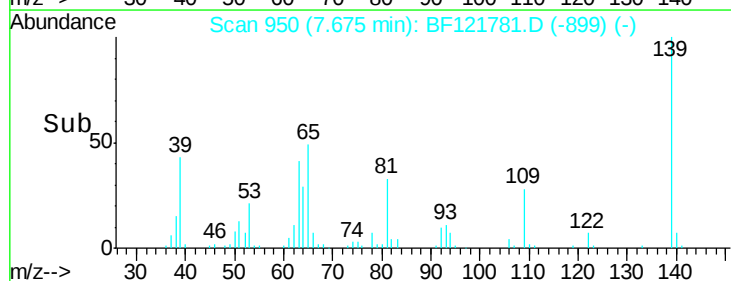
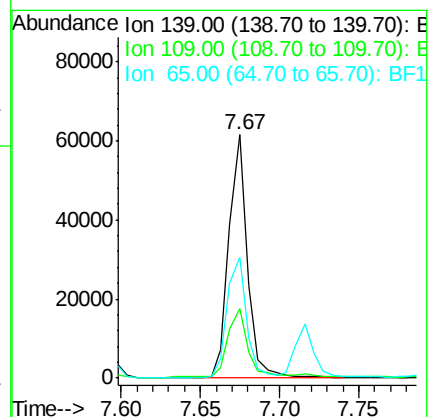
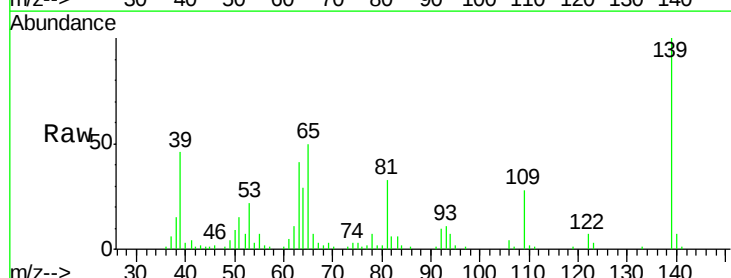
Tgt Ion: 139 Resp: 50124

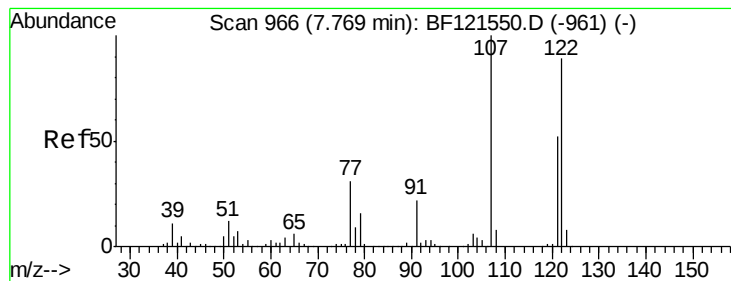
Ion Ratio Lower Upper

139 100

109 28.5 23.0 34.4

65 49.8 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 13.283 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

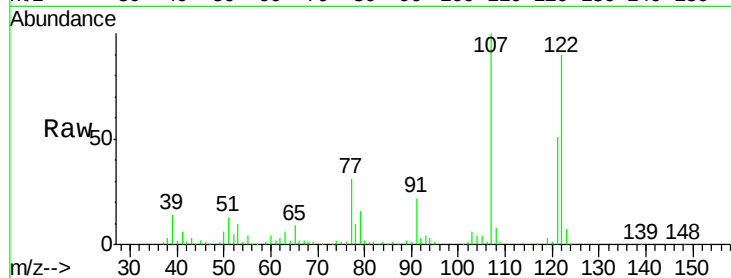
Tot Ion:122 Resp: 106889

Ion Ratio Lower Upper

122 100

107 111.1 90.8 136.2

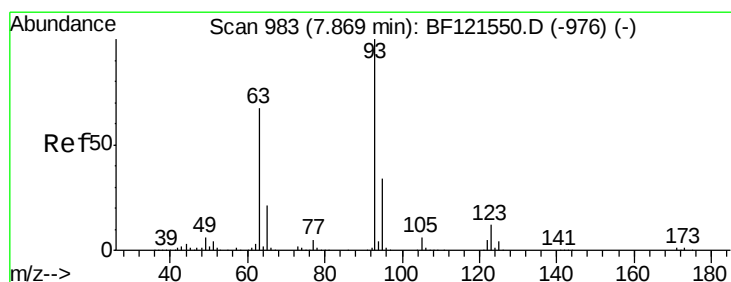
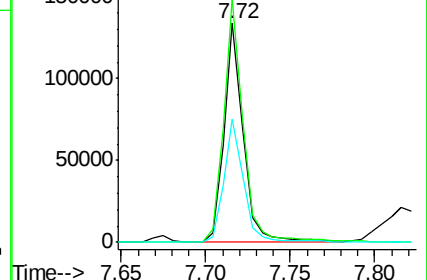
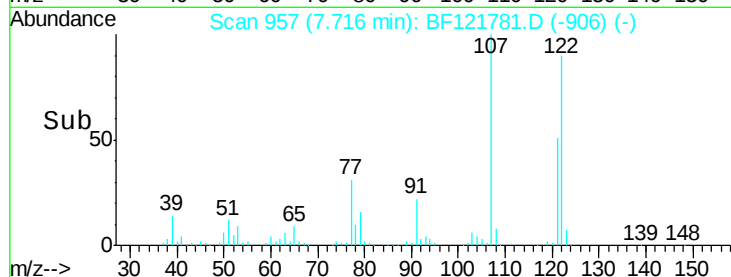
121 56.6 47.5 71.3



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: 14.044 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

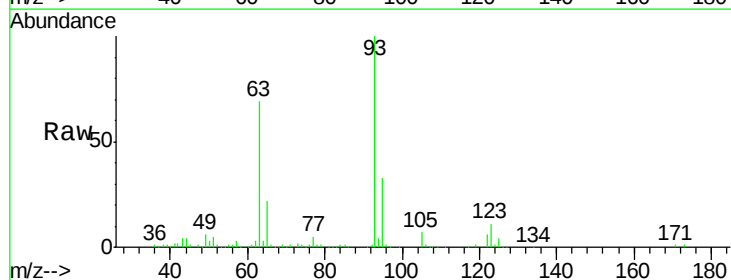
Tgt Ion: 93 Resp: 156735

Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

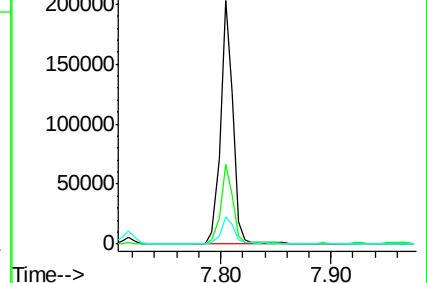
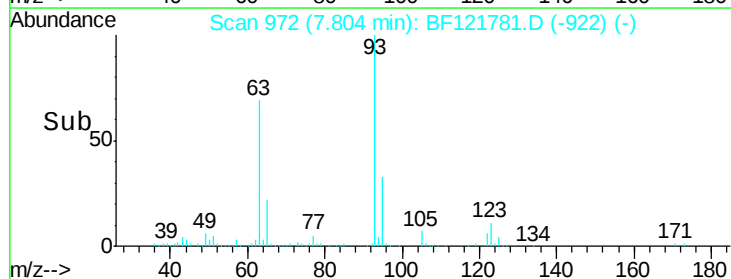
123 11.0 8.8 13.2

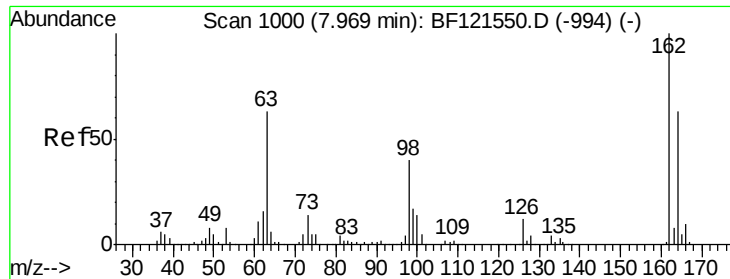


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

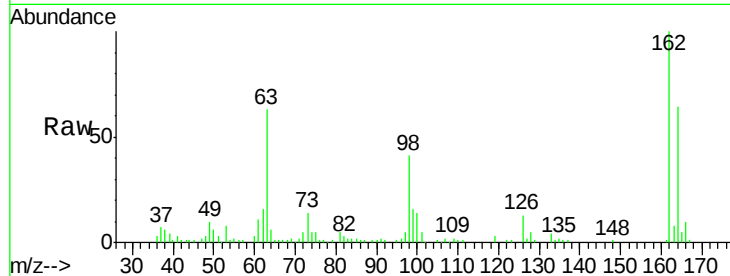




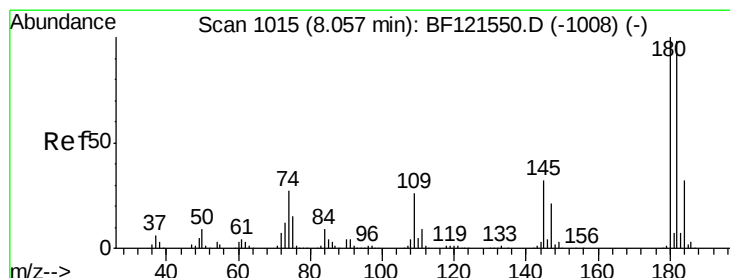
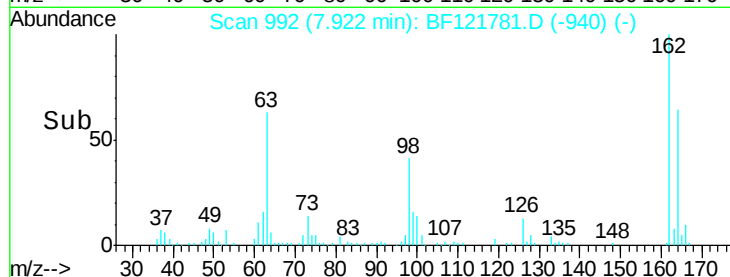
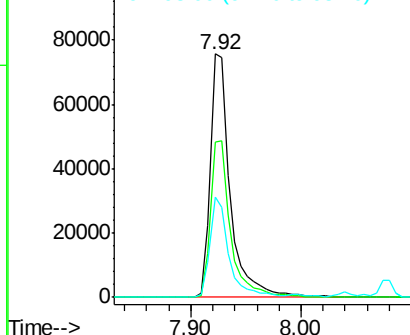
#29
 2,4-Dichlorophenol
 Concen: 12.793 ng
 RT: 7.92 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

Tot Ion:162 Resp: 93763
 Ion Ratio Lower Upper
 162 100
 164 63.7 42.5 82.5
 98 41.1 20.1 60.1

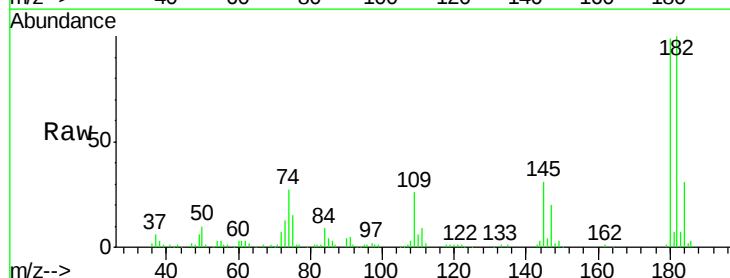


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

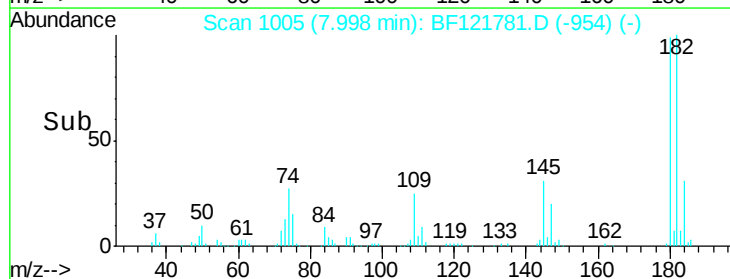
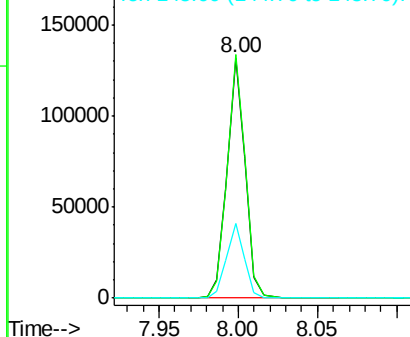


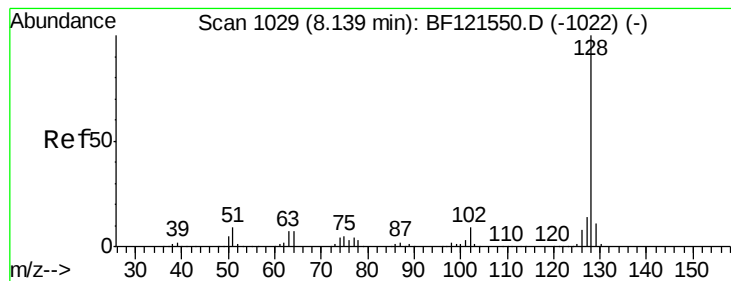
#30
 1,2,4-Trichlorobenzene
 Concen: 13.479 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:180 Resp: 104050
 Ion Ratio Lower Upper
 180 100
 182 101.5 79.4 119.2
 145 31.1 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 13.718 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

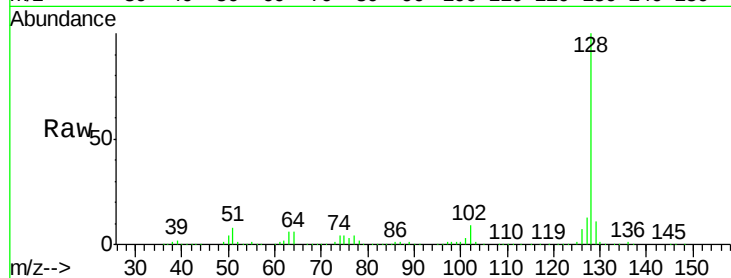
Tot Ion:128 Resp: 348198

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

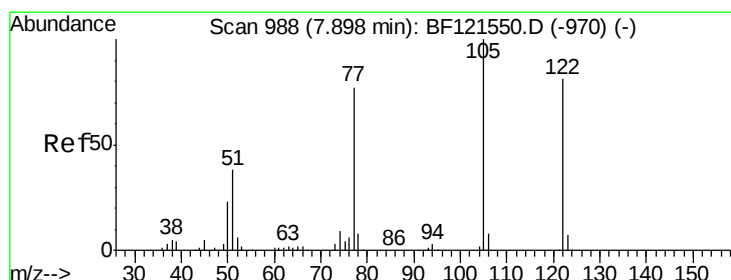
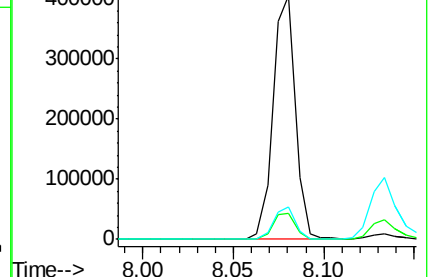
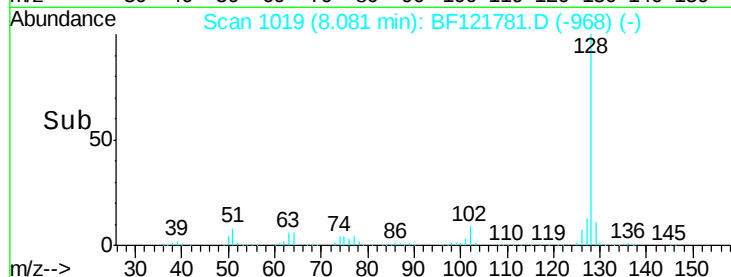
127 13.4 10.8 16.2



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: 12.591 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.04 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

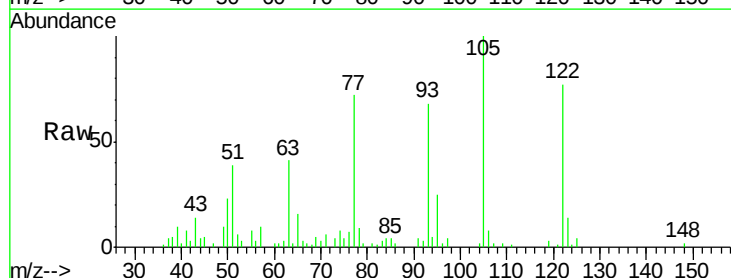
Tgt Ion:122 Resp: 39689

Ion Ratio Lower Upper

122 100

105 129.9 103.3 143.3

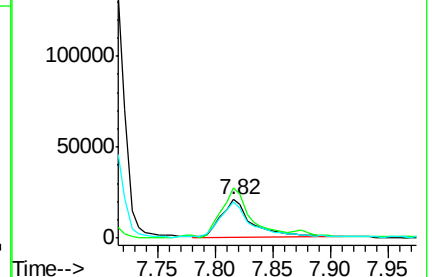
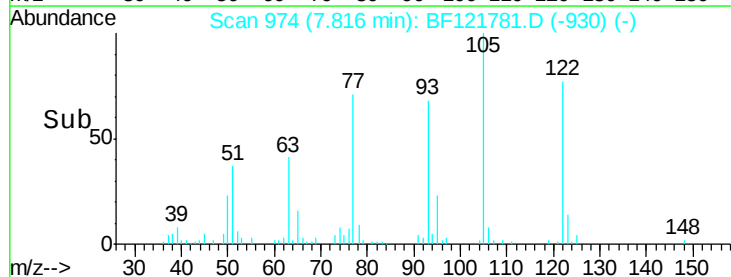
77 93.4 73.9 113.9

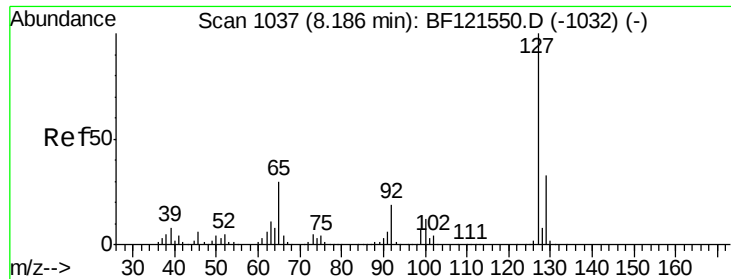


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

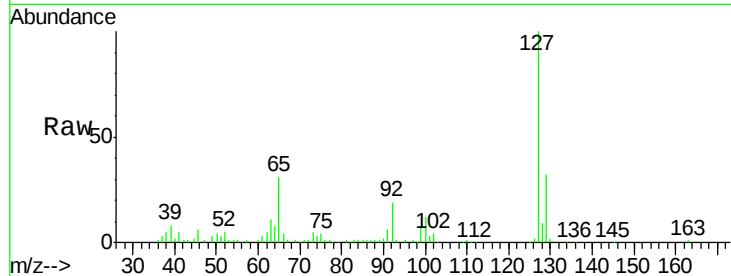




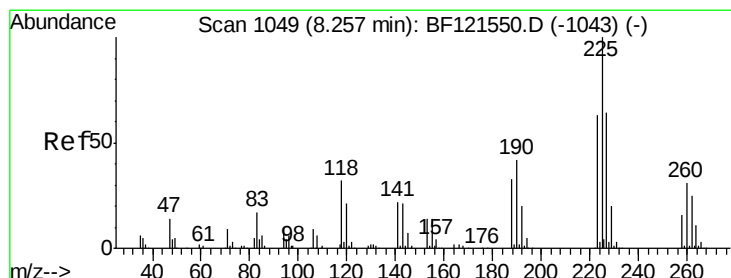
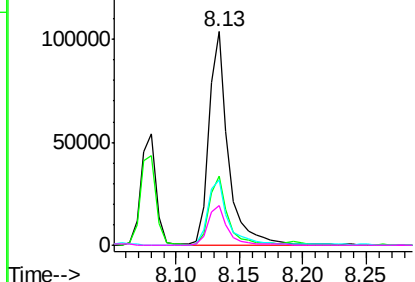
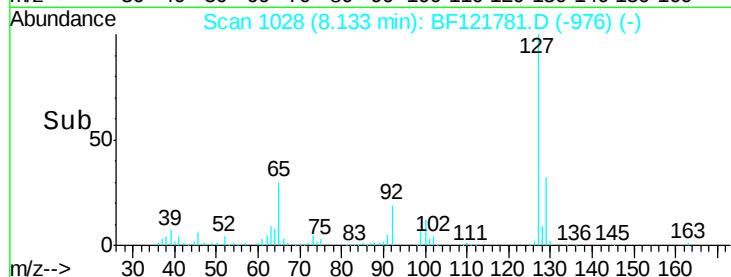
#33
4-Chloroaniline
Concen: 10.174 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:	127	Resp:	111939
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	30.7	26.2	39.2
92	18.7	15.9	23.9

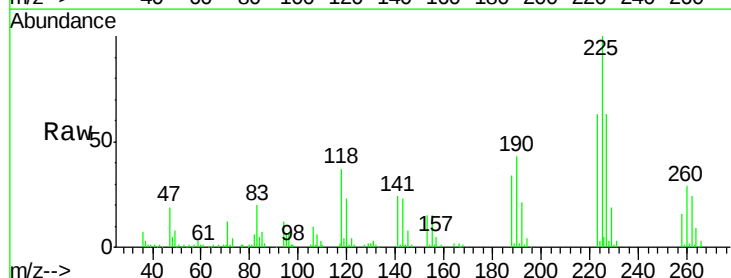


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

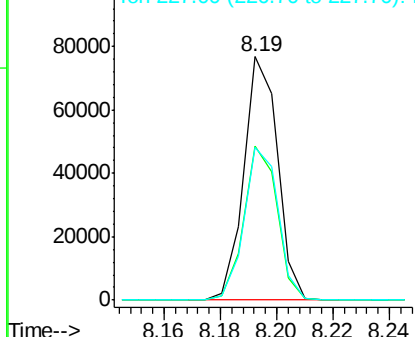
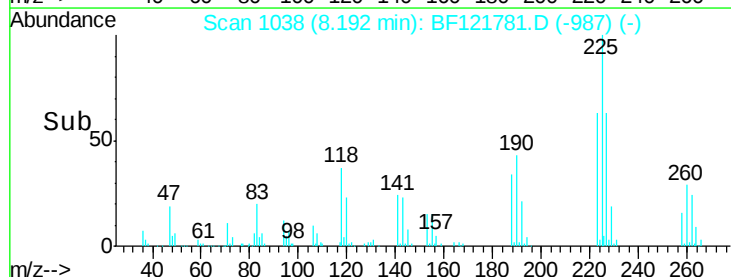


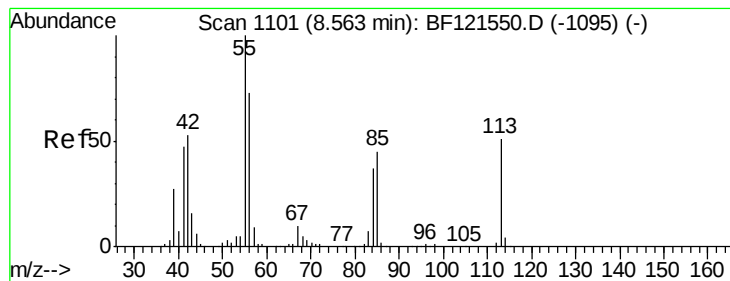
#34
Hexachlorobutadiene
Concen: 14.047 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:	225	Resp:	63646
Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.1	76.7
227	62.6	51.0	76.6



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: 12.374 ng

RT: 8.47 min Scan# 1086

Delta R.T. -0.04 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

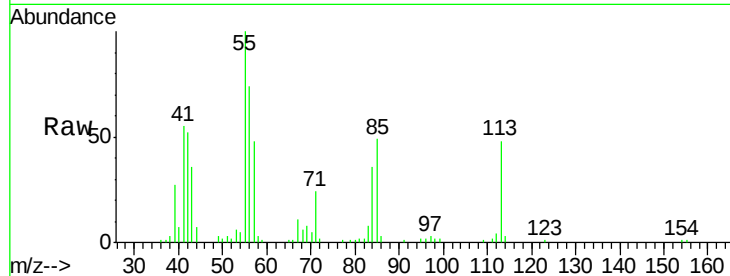
Tot Ion:113 Resp: 30204

Ion Ratio Lower Upper

113 100

55 209.0 167.5 207.5#

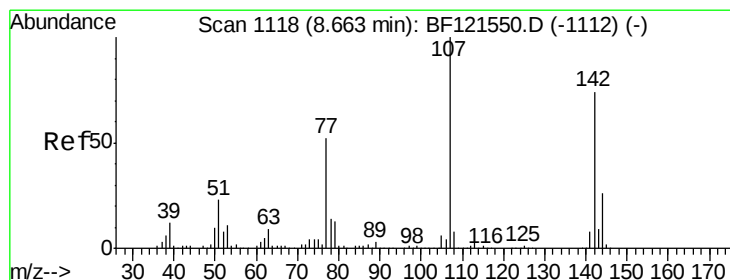
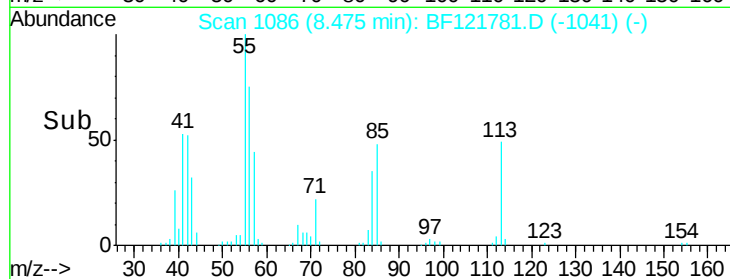
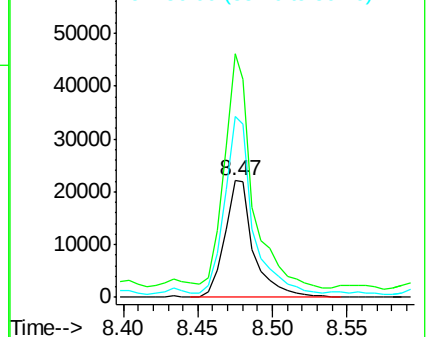
56 154.8 121.2 161.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 11.860 ng

RT: 8.62 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

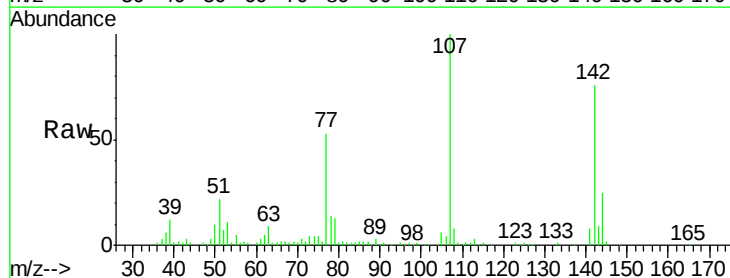
Tgt Ion:107 Resp: 93640

Ion Ratio Lower Upper

107 100

144 25.4 20.1 30.1

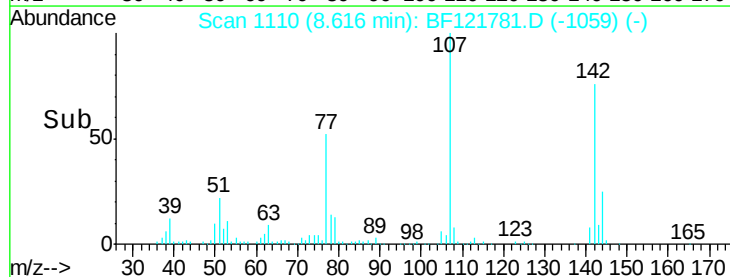
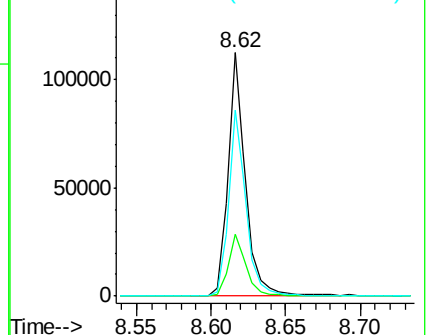
142 76.1 59.3 88.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

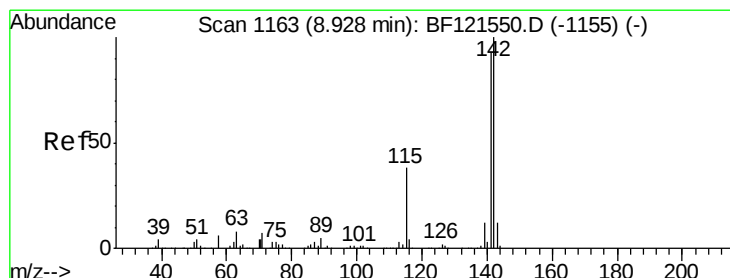
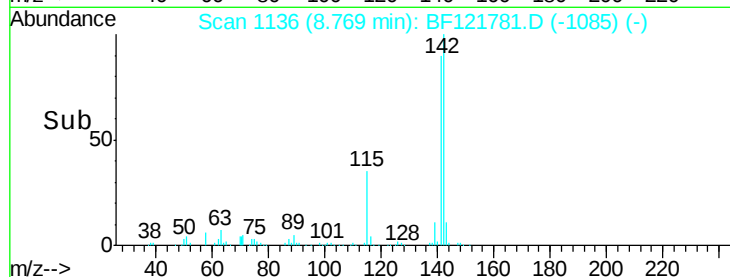
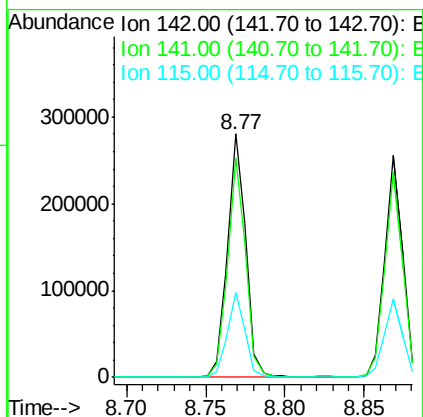
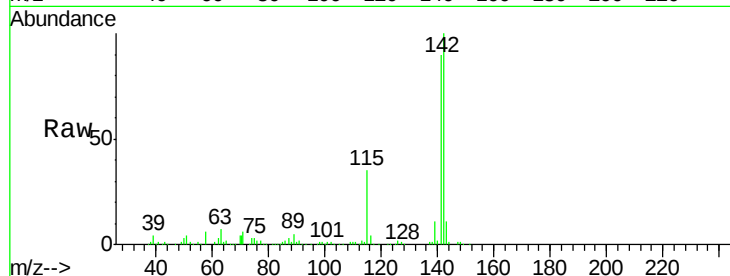




#37
2-Methylnaphthalene
Concen: 13.430 ng
RT: 8.77 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

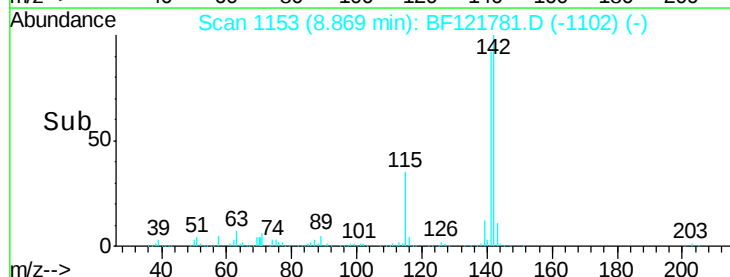
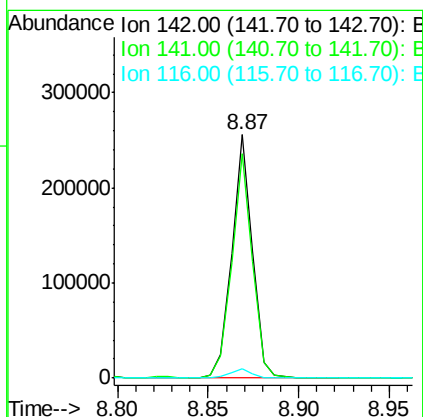
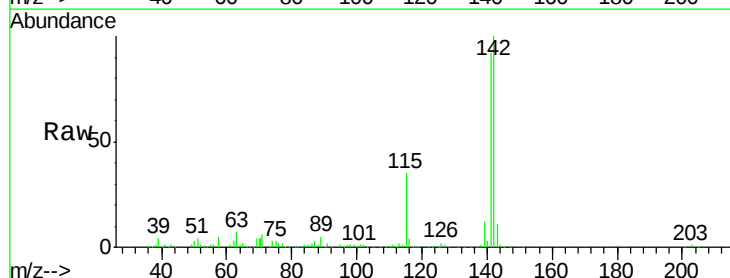
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

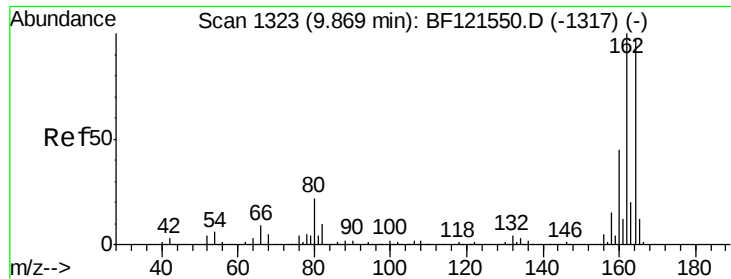
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.2	105.4
115	34.7	28.6	43.0



#38
1-Methylnaphthalene
Concen: 13.040 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.5	111.7
116	3.7	3.2	4.8

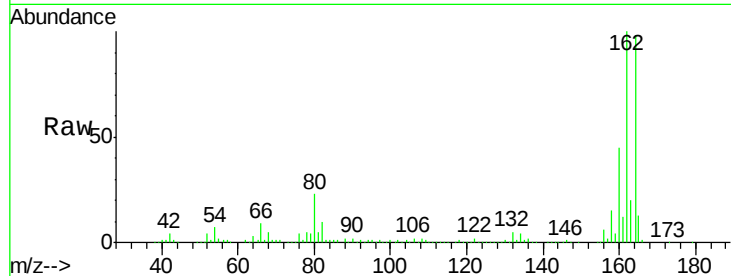




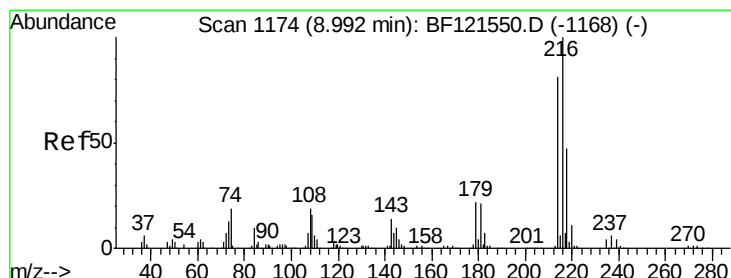
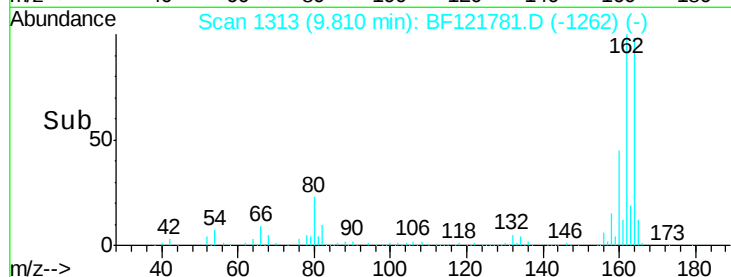
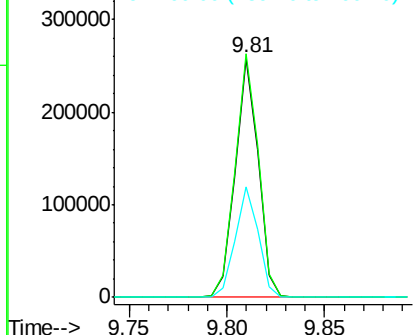
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:164 Resp: 210700
Ion Ratio Lower Upper
164 100
162 101.8 83.2 124.8
160 46.1 37.5 56.3

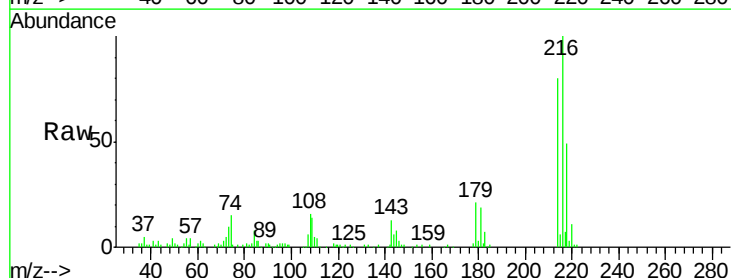


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

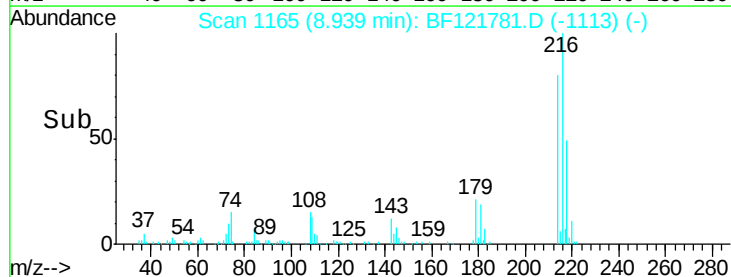
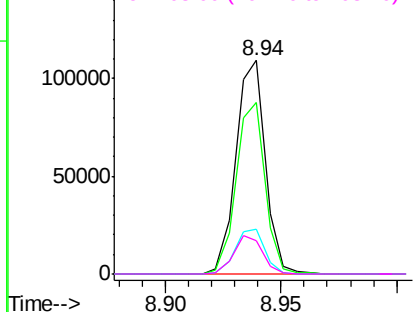


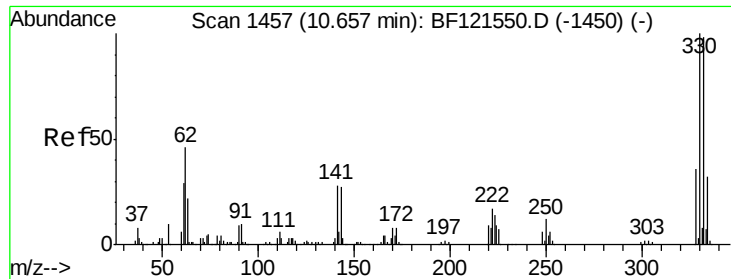
#40
1,2,4,5-Tetrachlorobenzene
Concen: 14.740 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:216 Resp: 97013
Ion Ratio Lower Upper
216 100
214 79.4 63.4 95.2
179 21.4 17.0 25.6
108 17.8 15.5 23.3



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

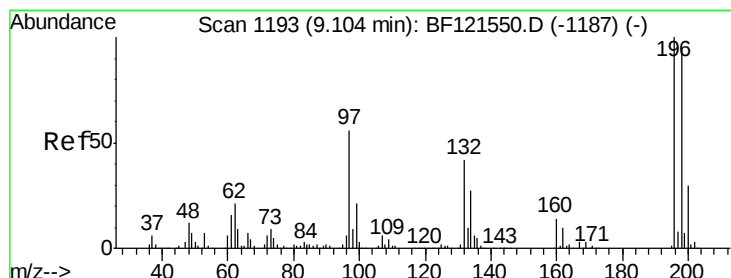
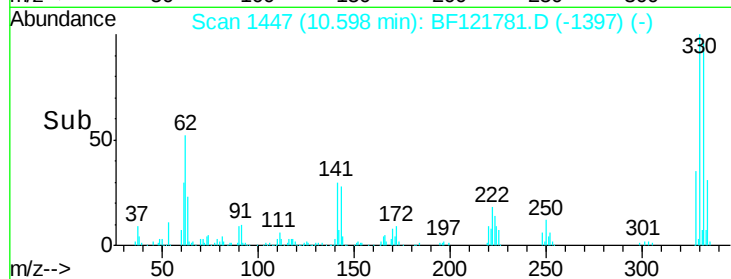
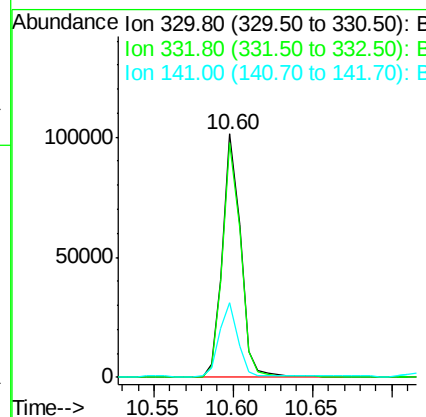
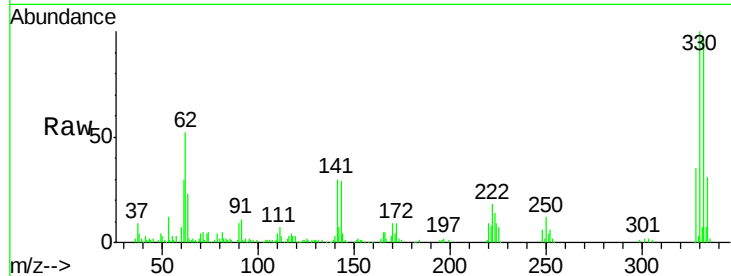




#42
 2,4,6-Tribromophenol
 Concen: 30.975 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

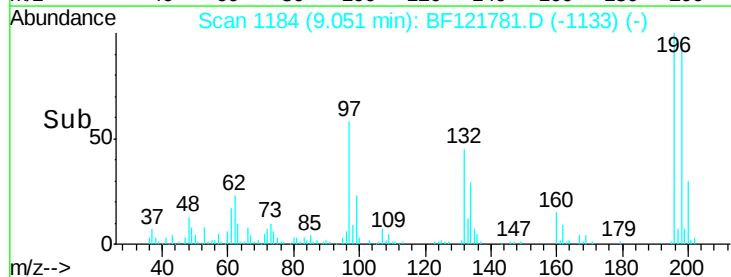
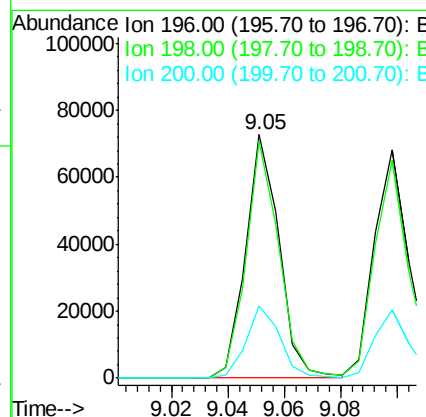
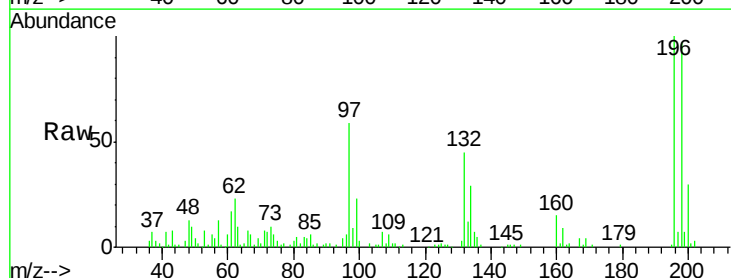
Instrument :
 BNA_F
 ClientSampled :
 B-11(1-2)MS

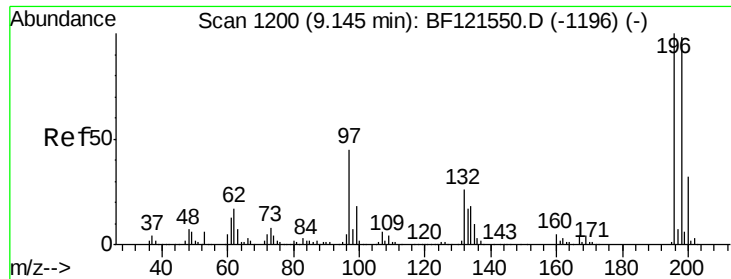
Tot Ion:330 Resp: 81114
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 33.0 22.3 33.5



#43
 2,4,6-Trichlorophenol
 Concen: 13.368 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:196 Resp: 59972
 Ion Ratio Lower Upper
 196 100
 198 97.4 75.8 113.6
 200 29.7 24.6 36.8

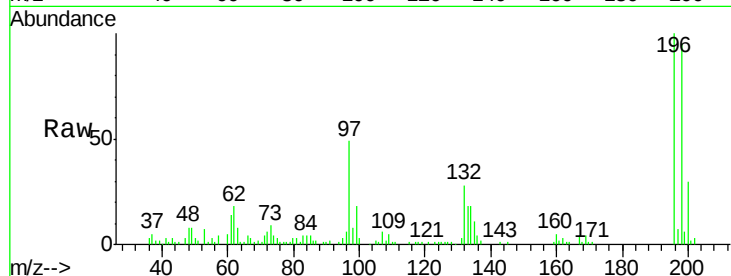




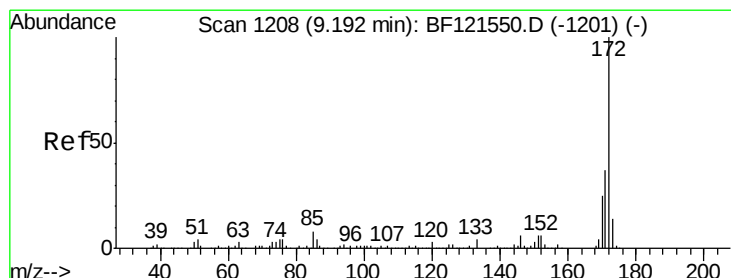
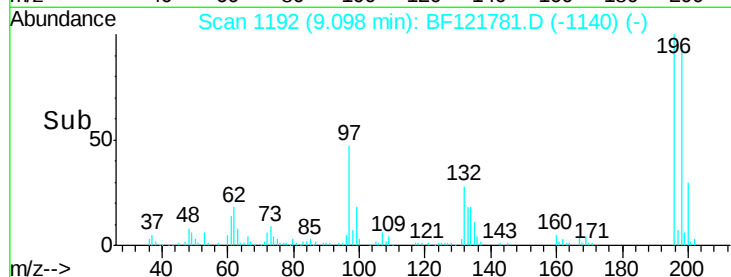
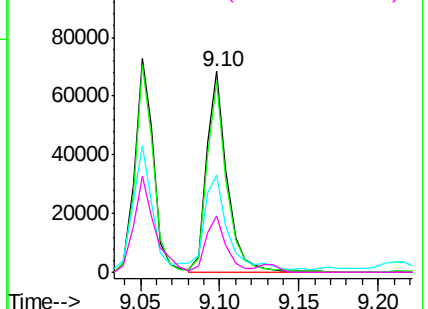
#44
 2,4,5-Trichlorophenol
 Concen: 13.093 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

Tot Ion:196 Resp: 62096
 Ion Ratio Lower Upper
 196 100
 198 95.1 76.1 114.1
 97 48.8 41.0 61.6
 132 28.1 22.4 33.6

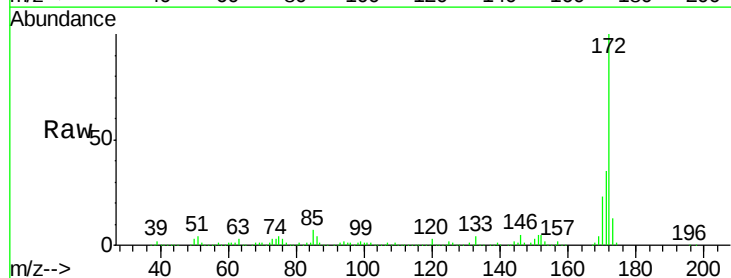


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

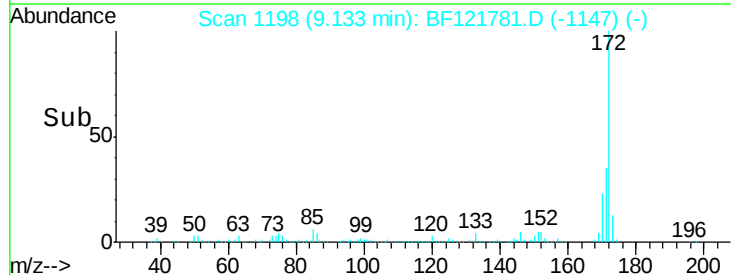
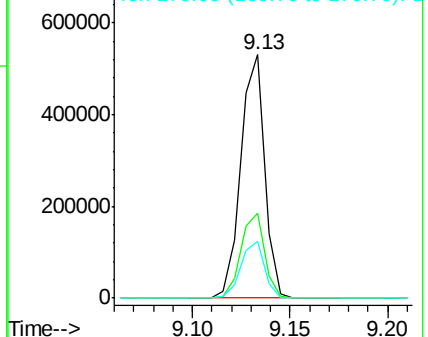


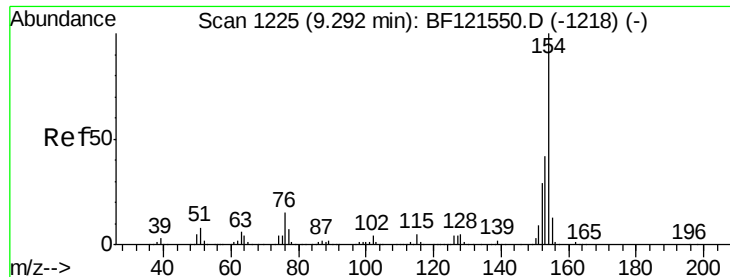
#45
 2-Fluorobiphenyl
 Concen: 32.274 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:172 Resp: 448992
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.1 43.7
 170 23.2 19.8 29.6



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

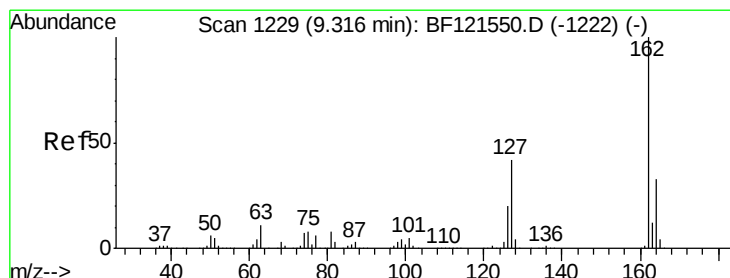
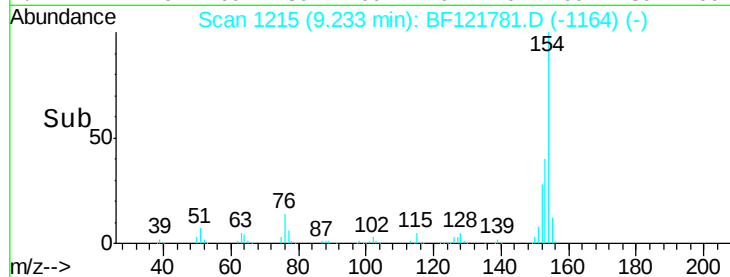
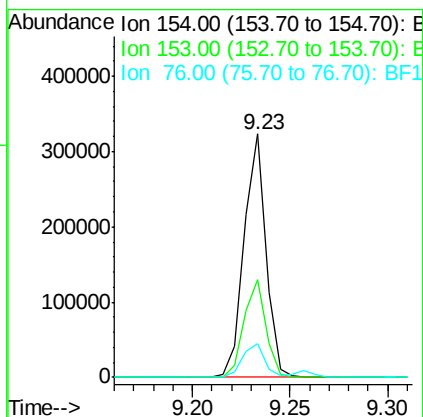
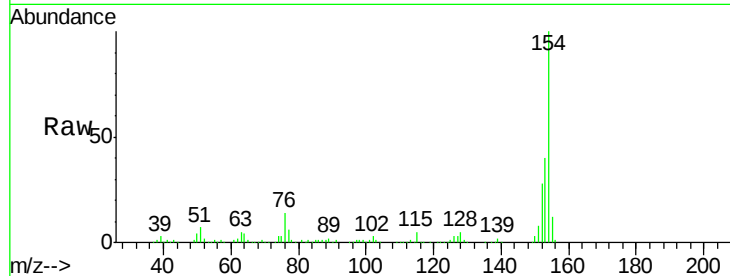




#46
 1,1'-Biphenyl
 Concen: 14.924 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

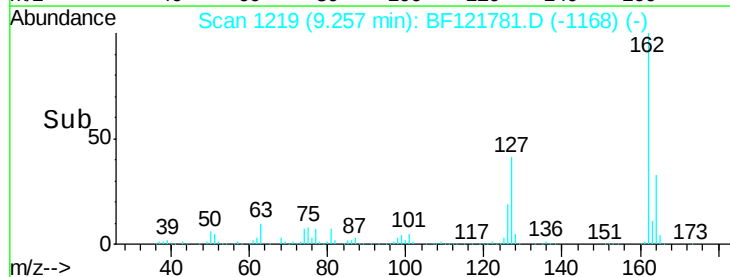
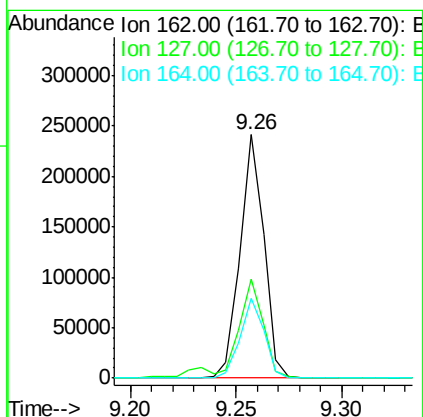
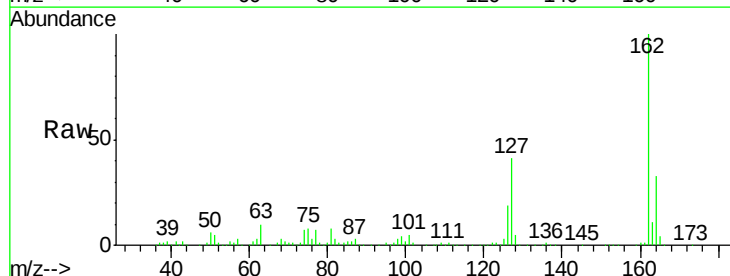
Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

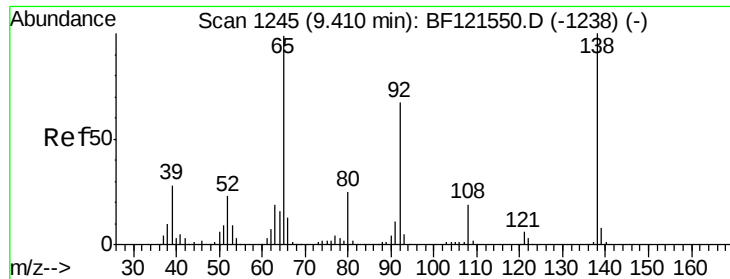
Tot Ion:154 Resp: 251742
 Ion Ratio Lower Upper
 154 100
 153 40.1 21.3 61.3
 76 13.7 0.0 34.7



#47
 2-Chloronaphthalene
 Concen: 14.098 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:162 Resp: 187389
 Ion Ratio Lower Upper
 162 100
 127 40.8 34.4 51.6
 164 32.9 26.3 39.5

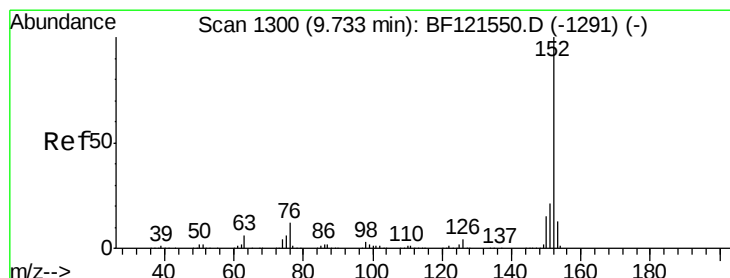
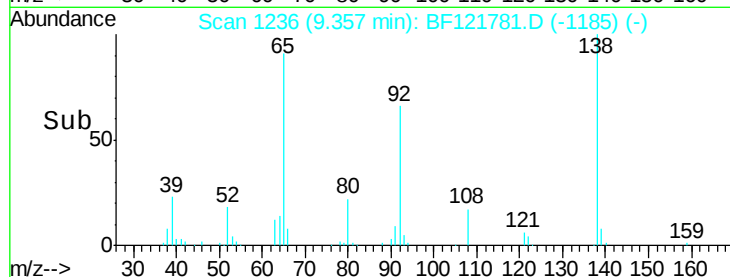
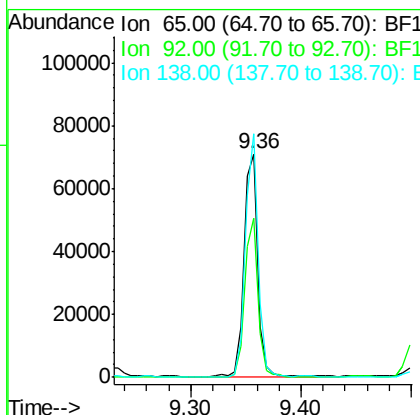
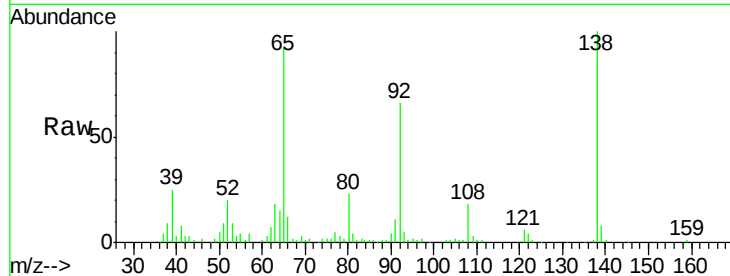




#48
2-Nitroaniline
Concen: 15.444 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

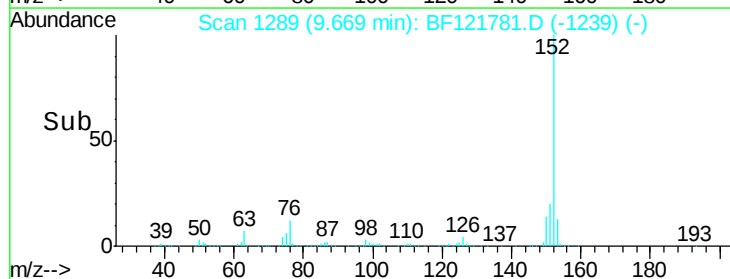
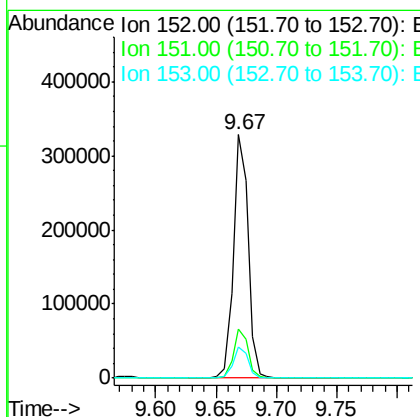
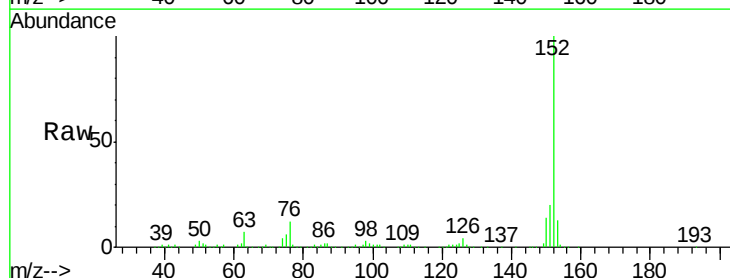
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

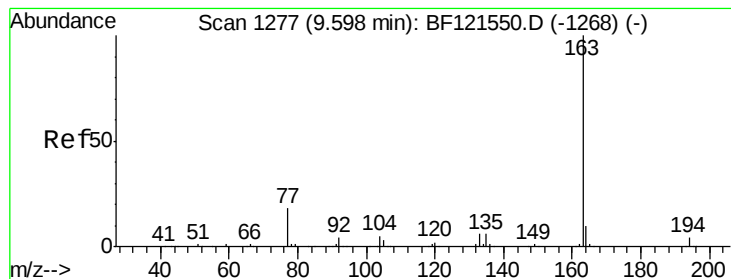
Tot Ion: 65 Resp: 63792
Ion Ratio Lower Upper
65 100
92 71.5 55.1 82.7
138 109.0 80.5 120.7



#49
Acenaphthylene
Concen: 13.738 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion: 152 Resp: 280572
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.0 10.6 15.8





#50

Dimethylphthalate

Concen: 18.183 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

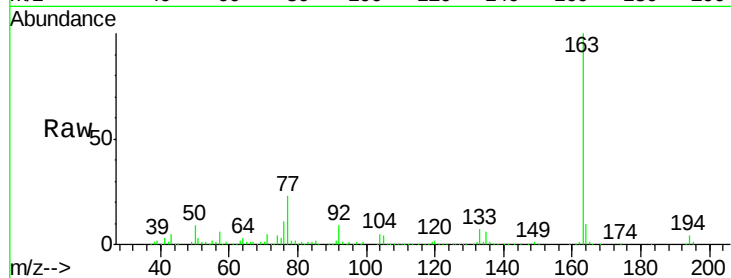
Tot Ion:163 Resp: 277678

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

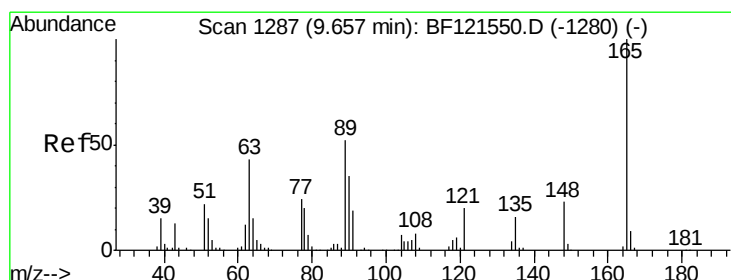
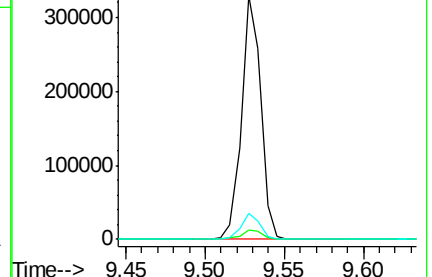
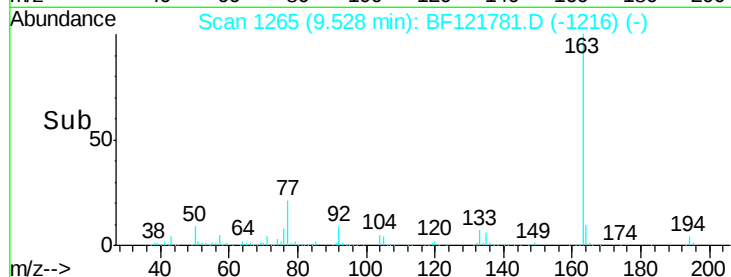
164 10.4 8.2 12.4



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: 12.657 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

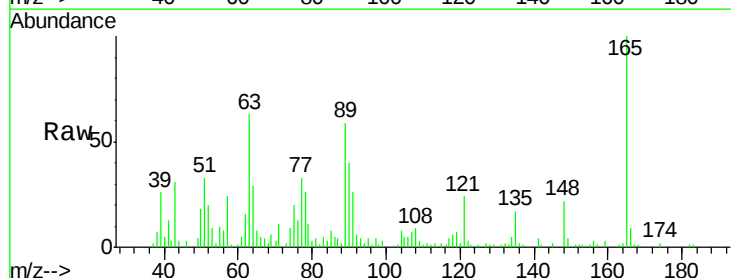
Tgt Ion:165 Resp: 41165

Ion Ratio Lower Upper

165 100

63 63.0 51.8 77.6

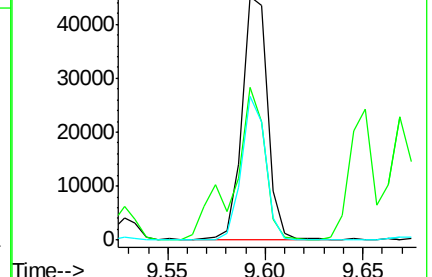
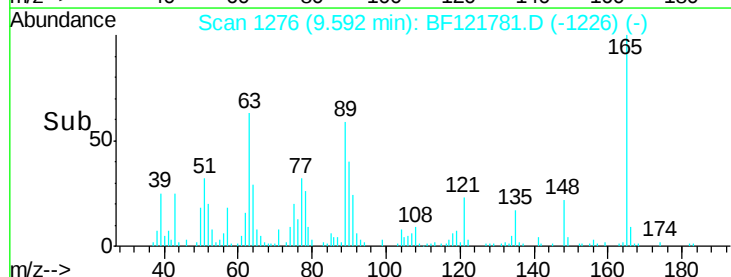
89 59.1 49.0 73.6

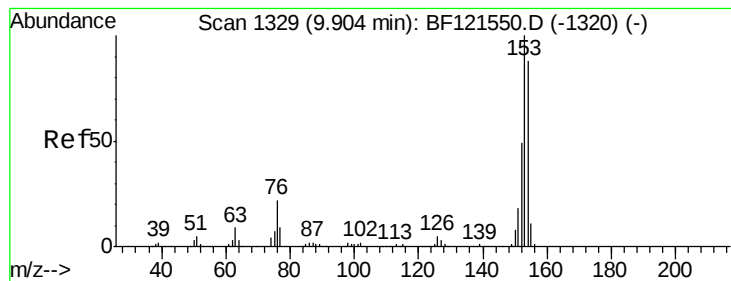


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 12.688 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

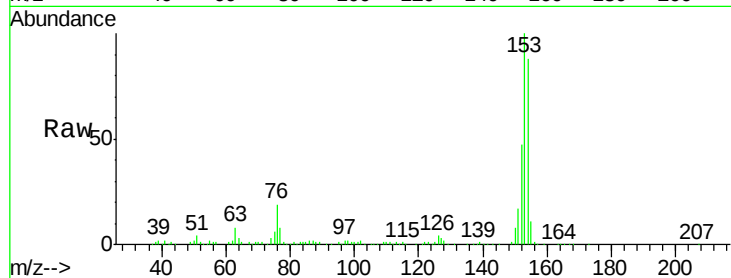
Tot Ion:154 Resp: 163672

Ion Ratio Lower Upper

154 100

153 113.6 89.8 134.8

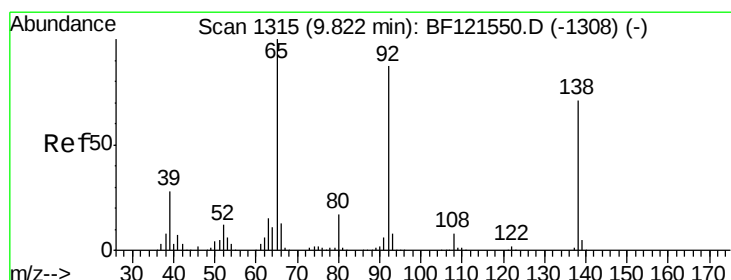
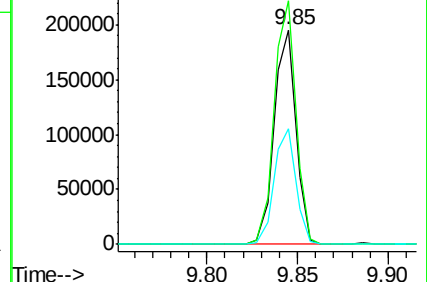
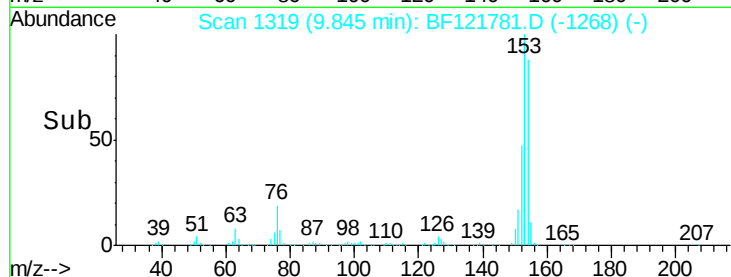
152 53.7 43.2 64.8



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: 13.275 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

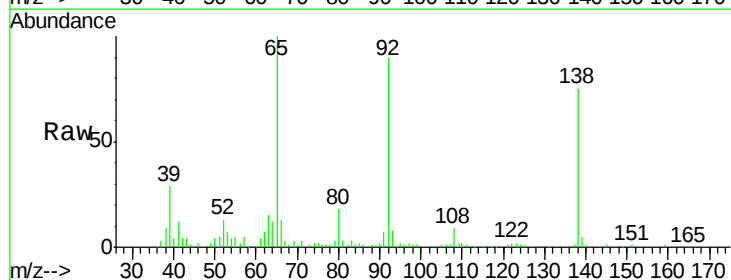
Tgt Ion:138 Resp: 50013

Ion Ratio Lower Upper

138 100

108 11.4 8.6 13.0

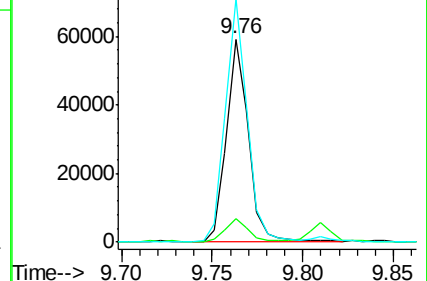
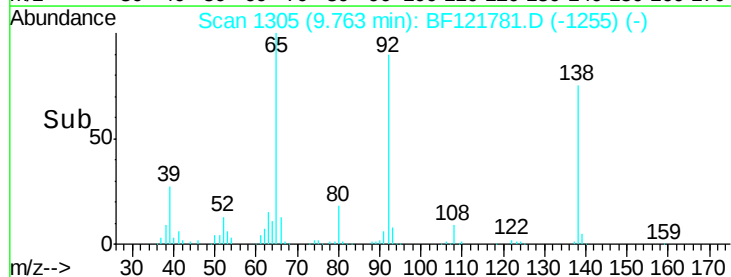
92 120.1 96.6 144.8

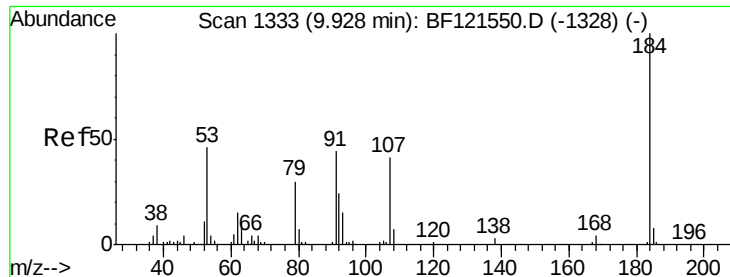


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 9.721 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

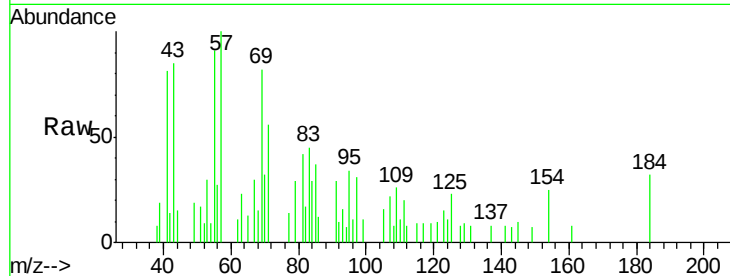
Tot Ion:184 Resp: 1423

Ion Ratio Lower Upper

184 100

63 69.8 45.9 68.9#

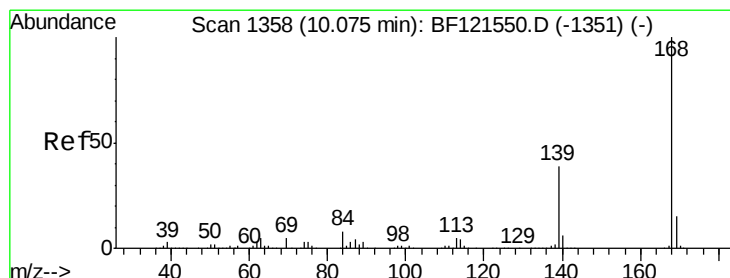
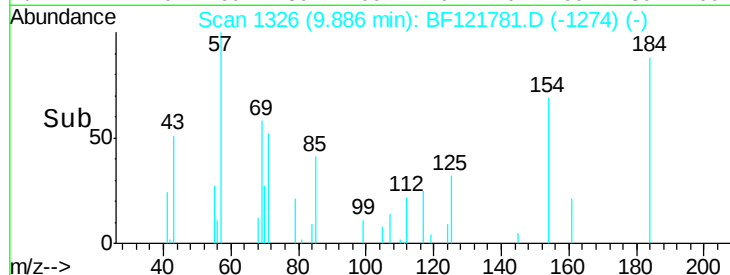
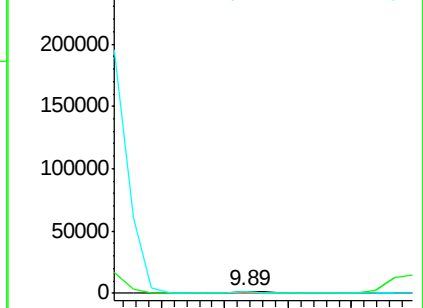
154 78.8 45.8 68.6#



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



#55

Dibenzofuran

Concen: 13.476 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

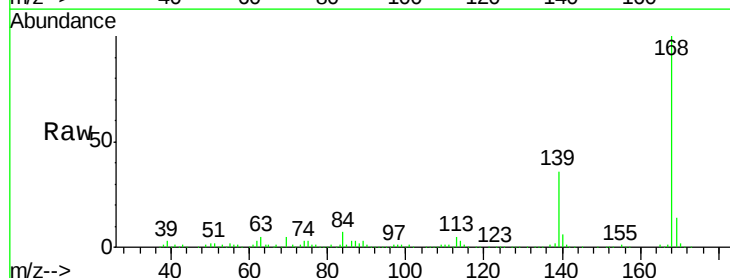
Tgt Ion:168 Resp: 244800

Ion Ratio Lower Upper

168 100

139 36.4 31.0 46.6

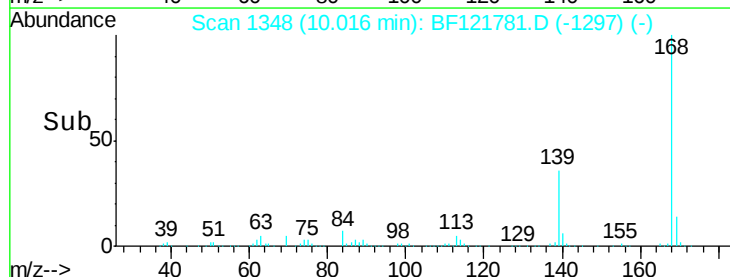
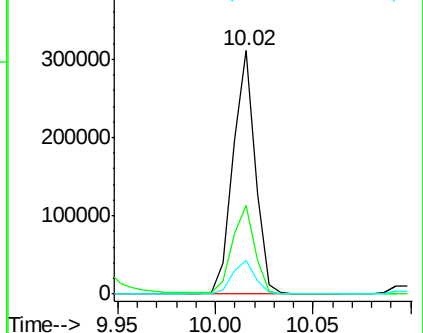
169 13.7 11.3 16.9

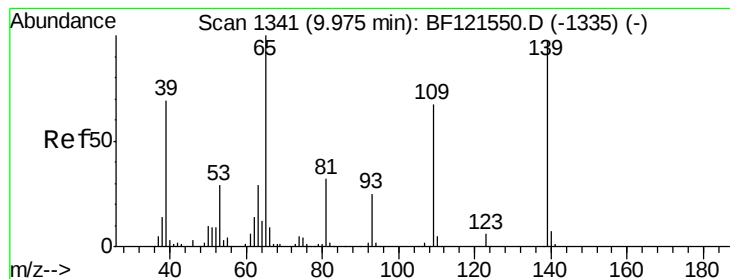


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 19.116 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

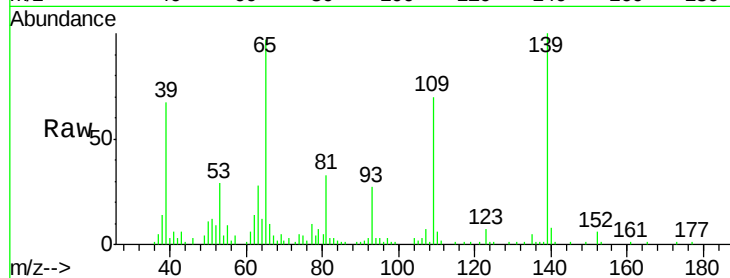
Tot Ion:139 Resp: 57435

Ion Ratio Lower Upper

139 100

109 70.1 45.4 85.4

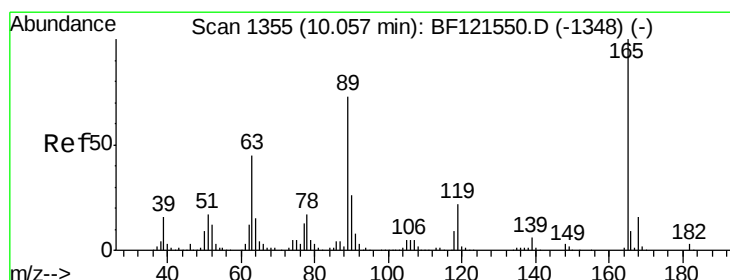
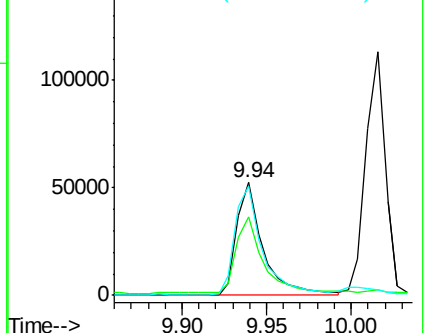
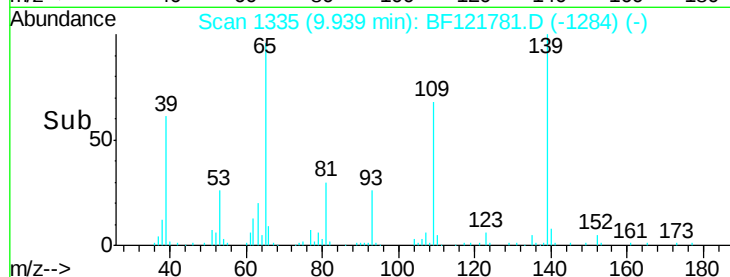
65 97.1 68.4 108.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 11.579 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion:165 Resp: 47374

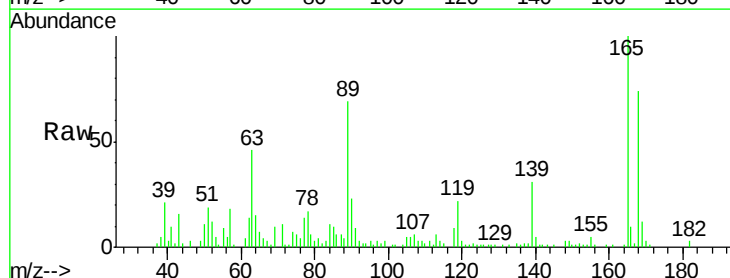
Ion Ratio Lower Upper

165 100

63 46.0 41.3 61.9

89 69.3 61.8 92.8

182 3.0 2.1 3.1

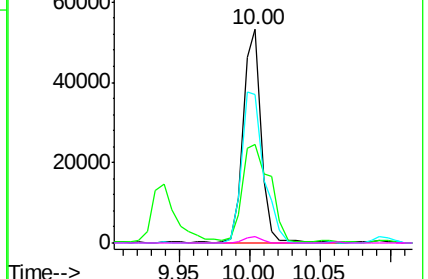
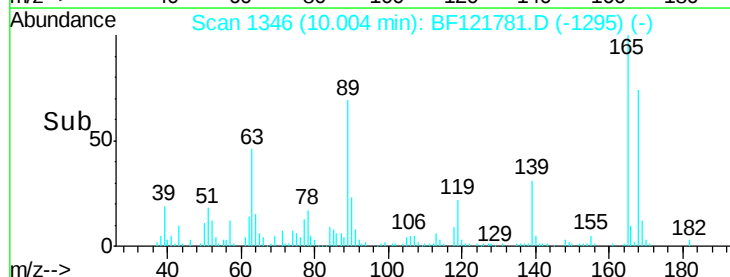


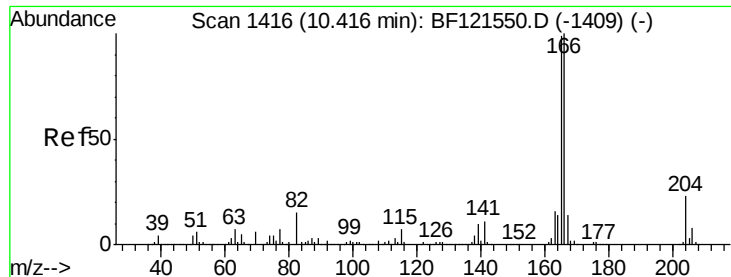
Abundance Ion 165.00 (164.70 to 165.70): E

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: 13.675 ng

RT: 10.36 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

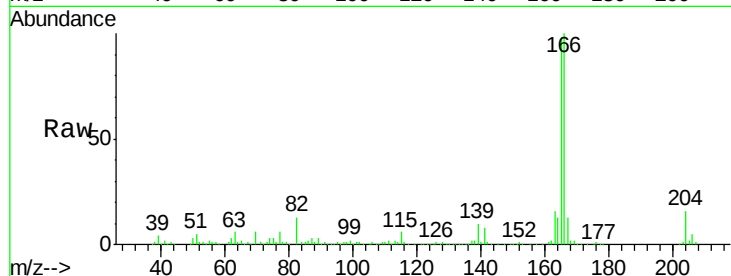
Tot Ion:166 Resp: 189974

Ion Ratio Lower Upper

166 100

165 98.3 79.1 118.7

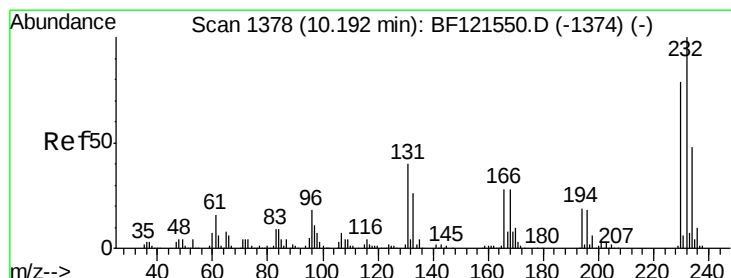
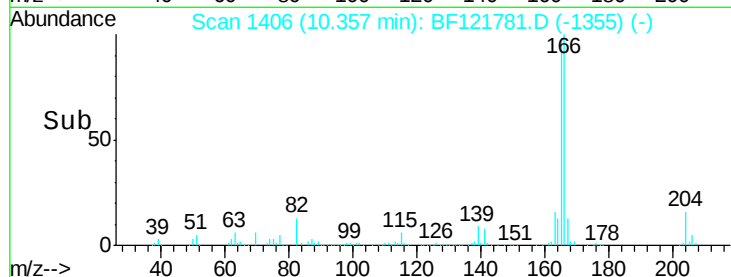
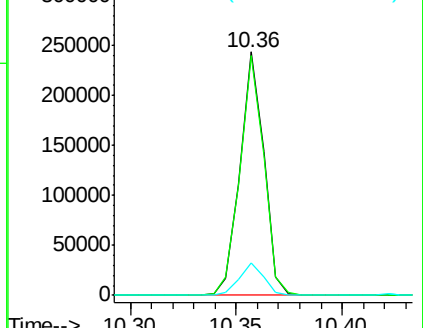
167 13.3 11.0 16.6



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: 10.938 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.04 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion:232 Resp: 42173

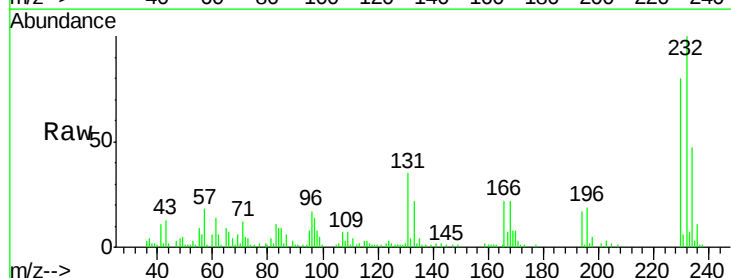
Ion Ratio Lower Upper

232 100

131 42.0 35.9 53.9

130 2.6 1.8 2.6

166 24.5 23.5 35.3

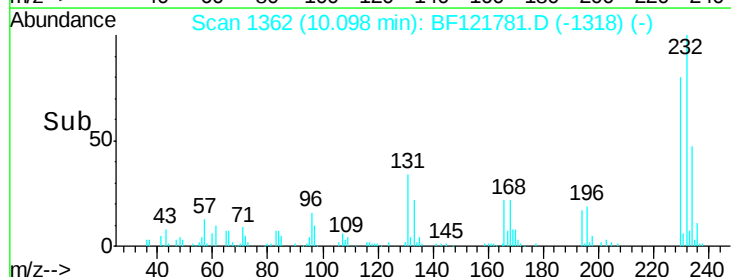
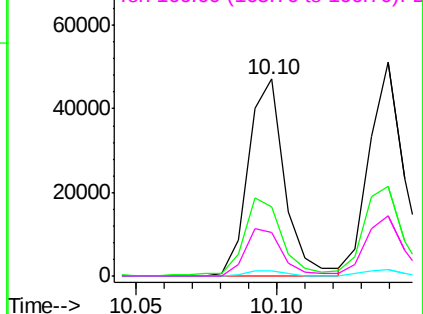


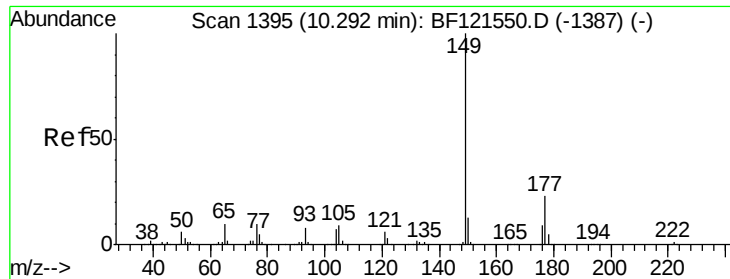
Abundance Ion 232.00 (231.70 to 232.70): E

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

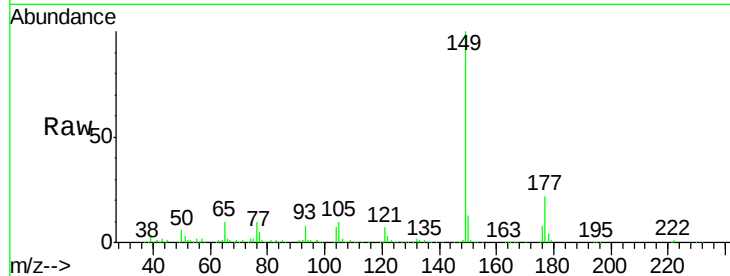




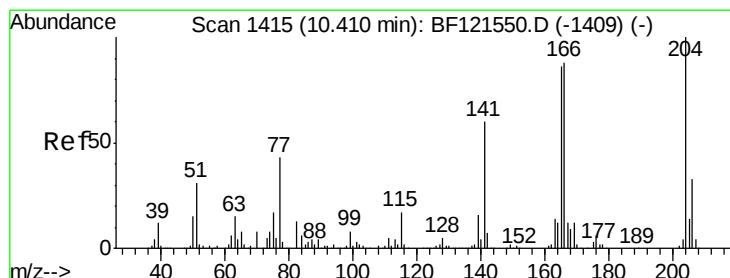
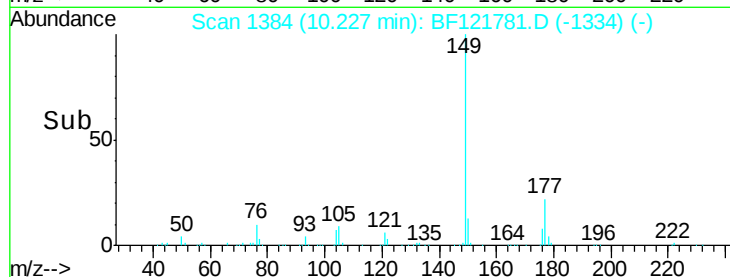
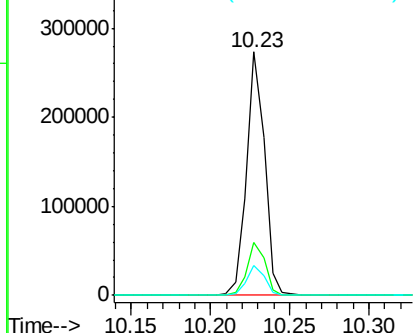
#60
Diethylphthalate
Concen: 14.443 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:149 Resp: 215047
Ion Ratio Lower Upper
149 100
177 21.6 18.1 27.1
150 12.5 10.3 15.5

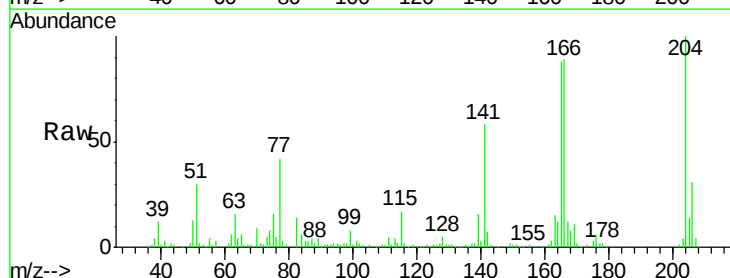


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

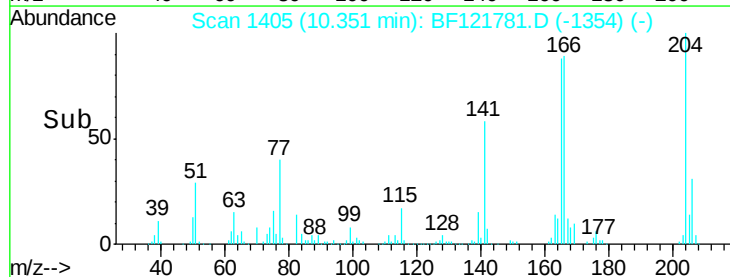
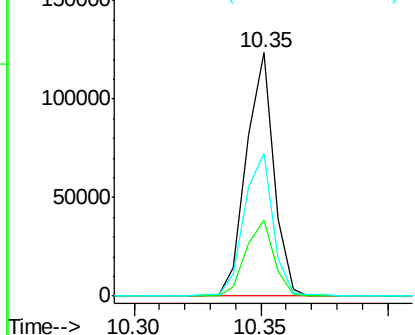


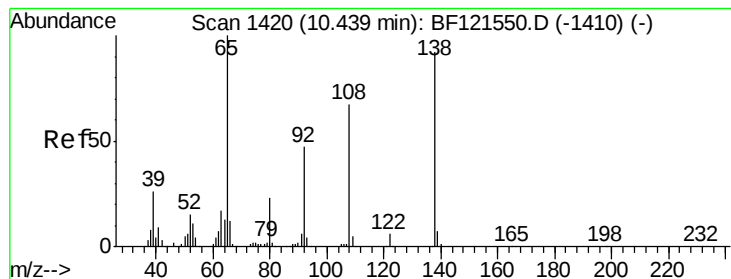
#61
4-Chlorophenyl-phenylether
Concen: 14.029 ng
RT: 10.35 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:204 Resp: 93359
Ion Ratio Lower Upper
204 100
206 31.1 26.0 39.0
141 58.3 46.2 69.4



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: 13.521 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

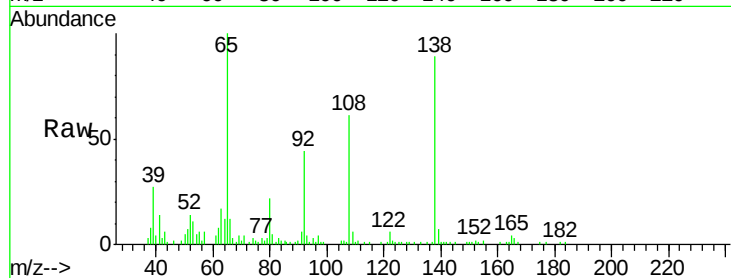
Tot Ion:138 Resp: 50578

Ion Ratio Lower Upper

138 100

92 49.0 31.0 71.0

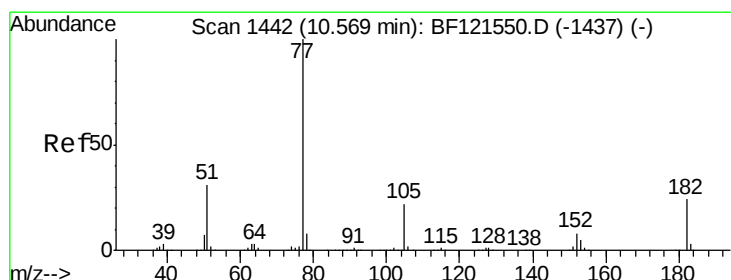
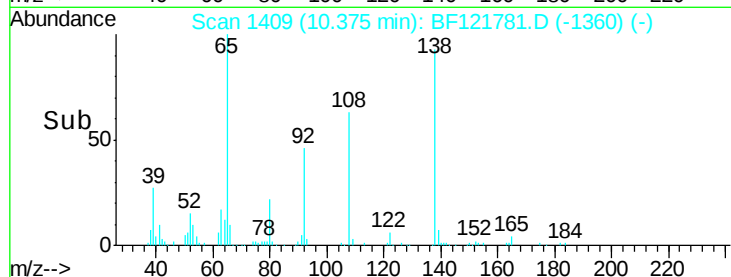
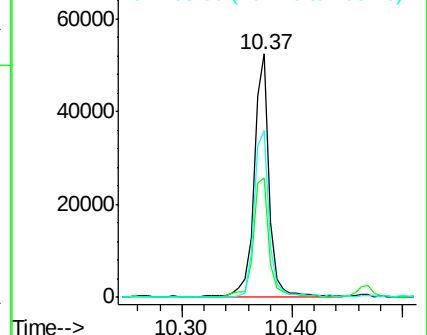
108 68.5 51.5 91.5



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: 12.276 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Tgt Ion: 77 Resp: 194645

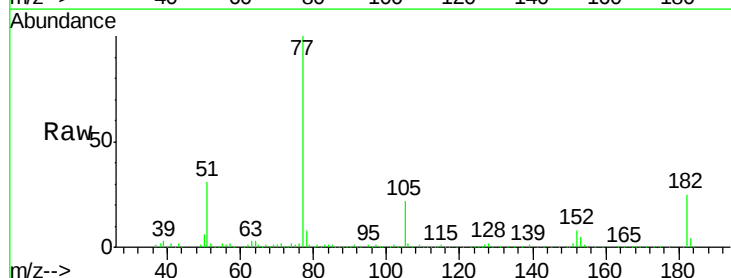
Ion Ratio Lower Upper

77 100

182 25.0 3.4 43.4

105 21.9 1.7 41.7

51 30.6 11.6 51.6

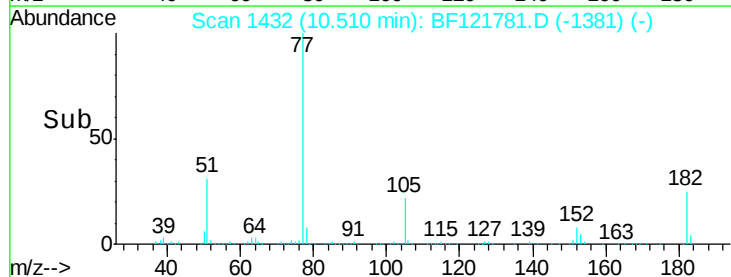
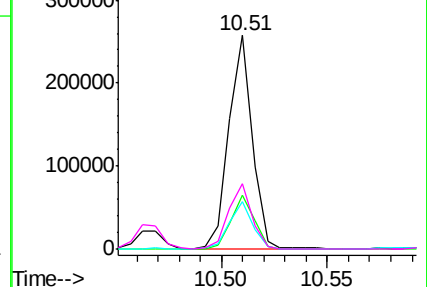


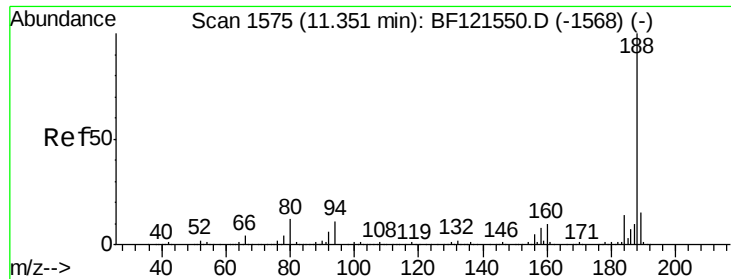
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

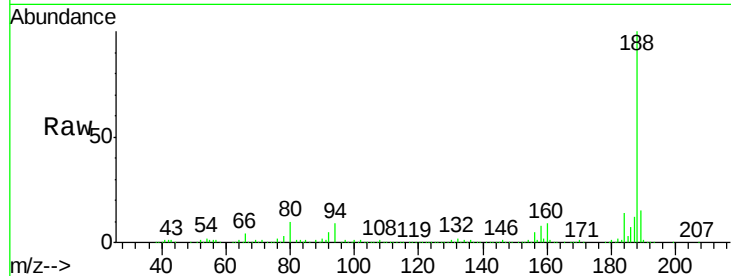
Tot Ion:188 Resp: 345416

Ion Ratio Lower Upper

188 100

94 9.4 8.3 12.5

80 10.3 9.1 13.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

500000

400000

300000

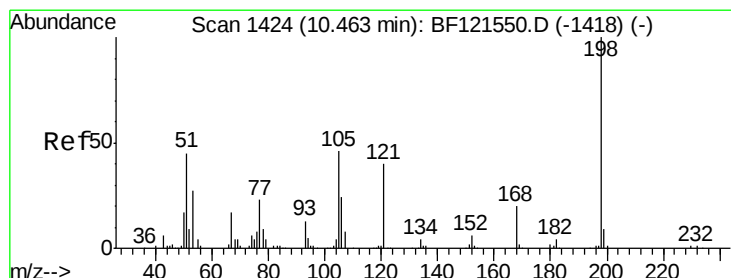
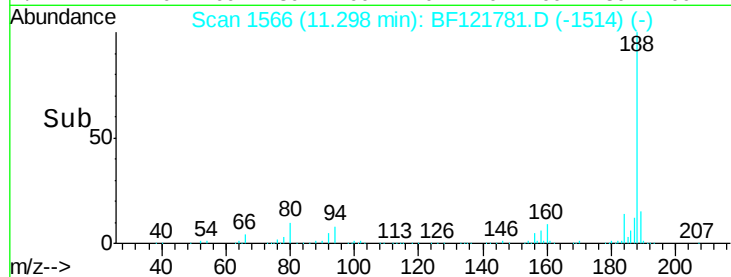
200000

100000

0

11.25 11.30 11.35

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.613 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

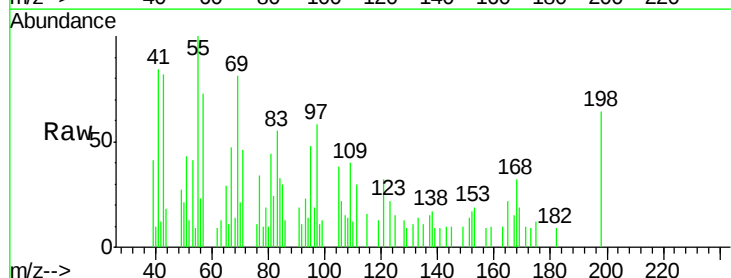
Tgt Ion:198 Resp: 1881

Ion Ratio Lower Upper

198 100

51 66.8 29.6 69.6

105 59.9 24.4 64.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

12000

10000

8000

6000

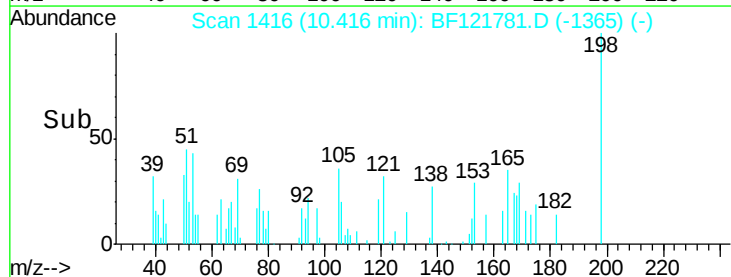
4000

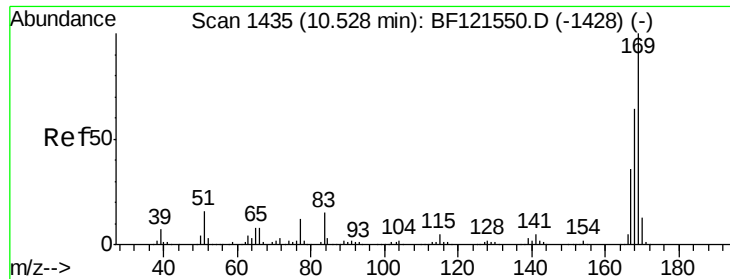
2000

0

10.38 10.40 10.42 10.44

Time-->

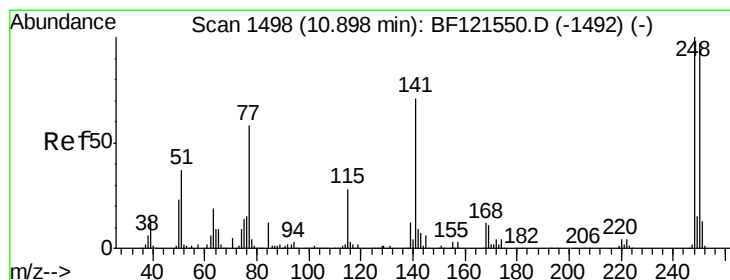
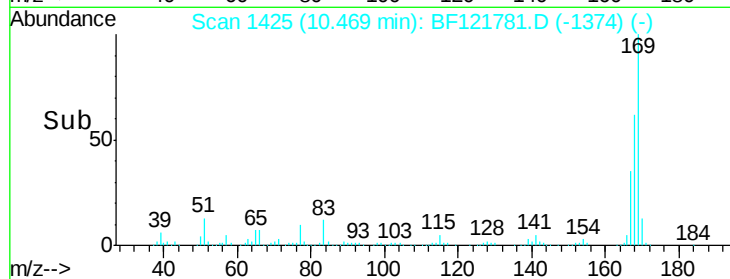
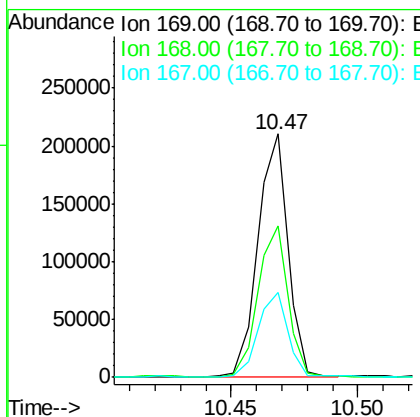
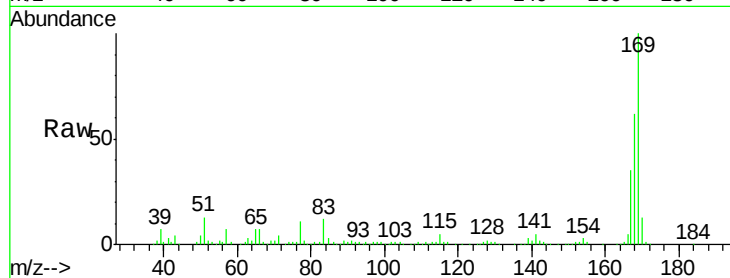




#66
 n-Nitrosodiphenylamine
 Concen: 14.787 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

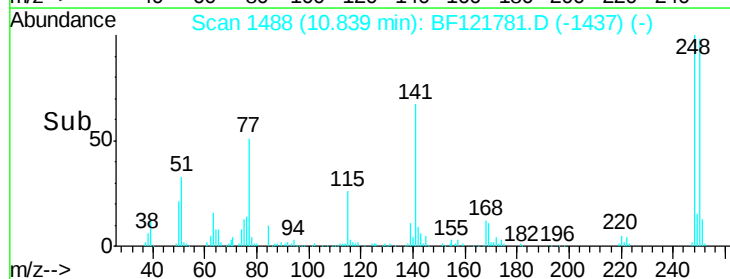
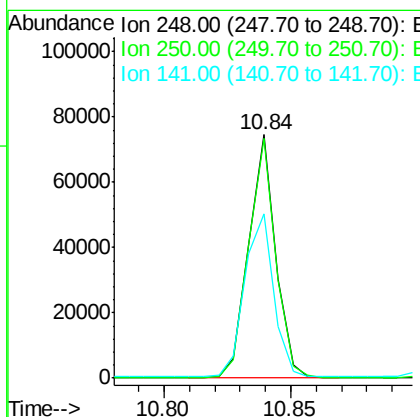
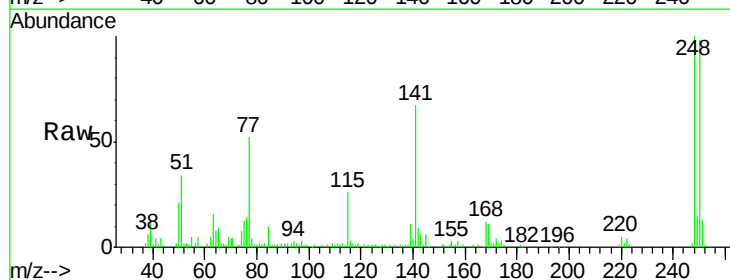
Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

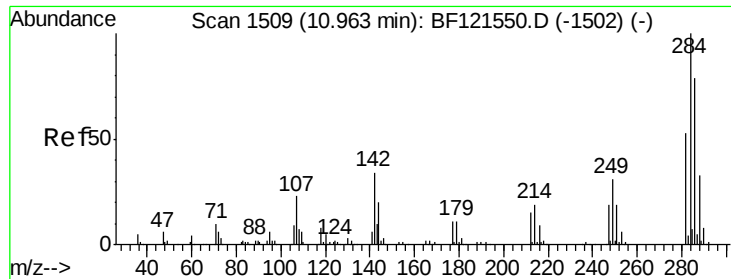
Tot Ion:169 Resp: 175235
 Ion Ratio Lower Upper
 169 100
 168 62.2 50.0 75.0
 167 34.7 27.8 41.6



#67
 4-Bromophenyl-phenylether
 Concen: 14.084 ng
 RT: 10.84 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:248 Resp: 55387
 Ion Ratio Lower Upper
 248 100
 250 98.4 77.0 115.6
 141 67.3 53.7 80.5

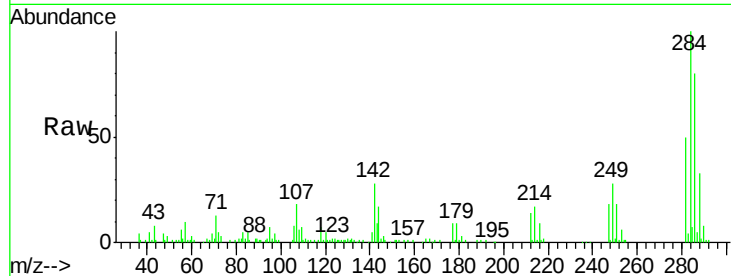




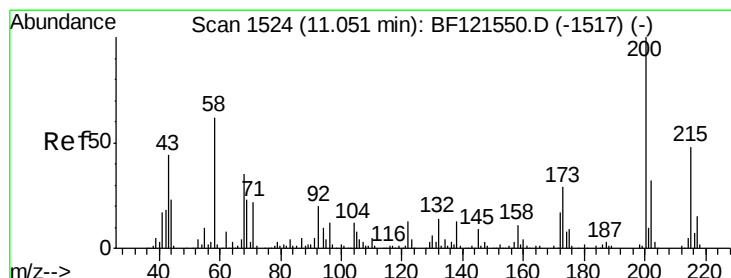
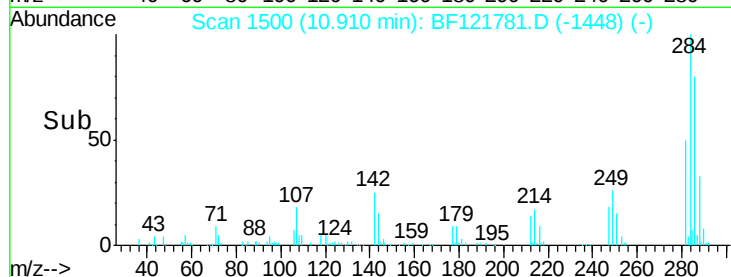
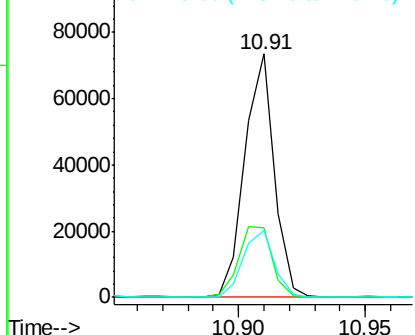
#68
Hexachlorobenzene
Concen: 13.431 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:284 Resp: 59607
Ion Ratio Lower Upper
284 100
142 28.4 27.4 41.2
249 27.6 24.2 36.4

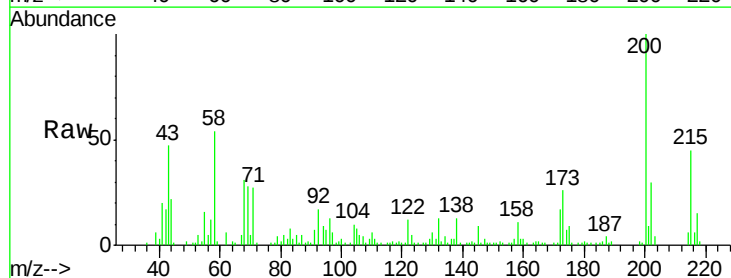


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

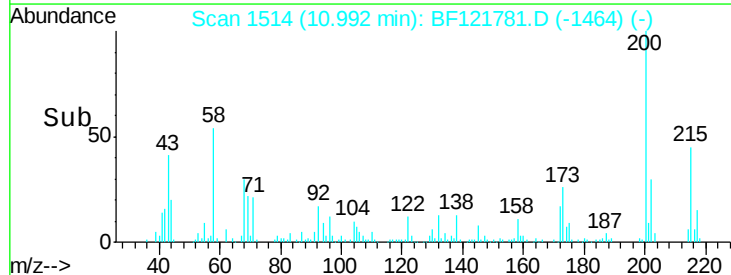
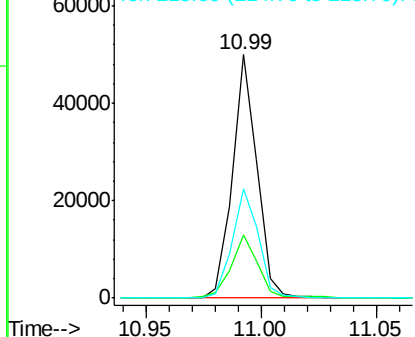


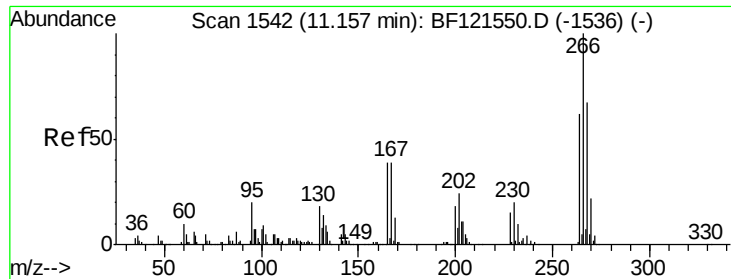
#69
Atrazine
Concen: 12.546 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:200 Resp: 36938
Ion Ratio Lower Upper
200 100
173 25.9 7.5 47.5
215 44.9 27.1 67.1



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

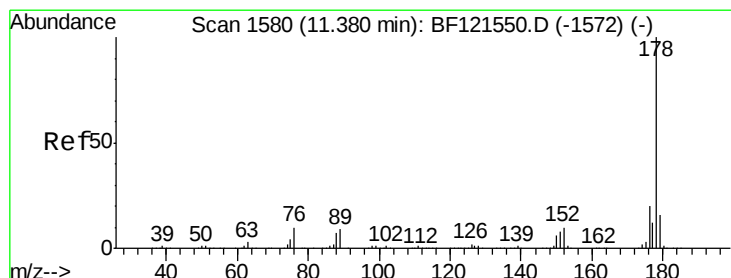
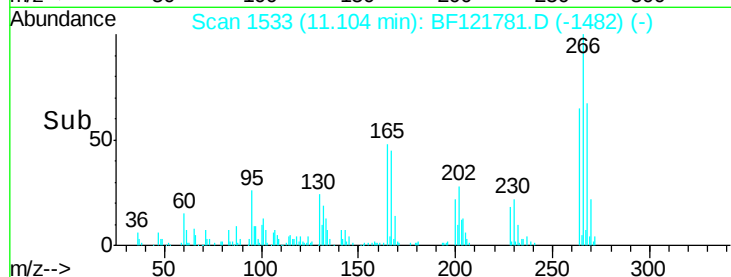
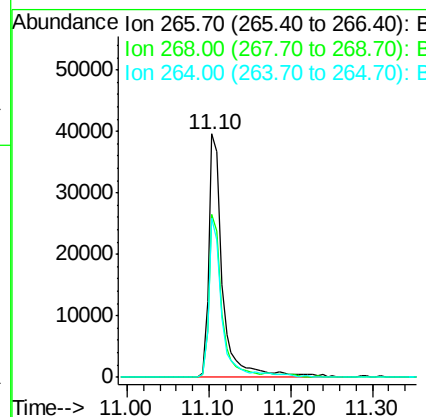
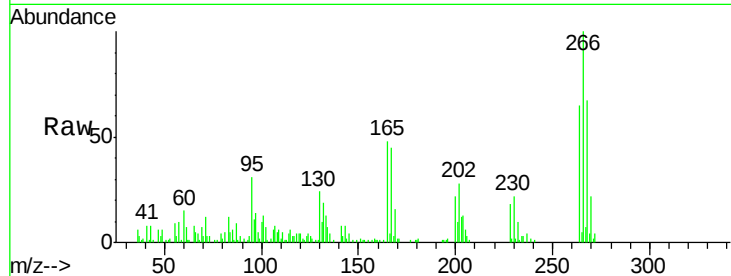




#70
 Pentachlorophenol
 Concen: 19.292 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

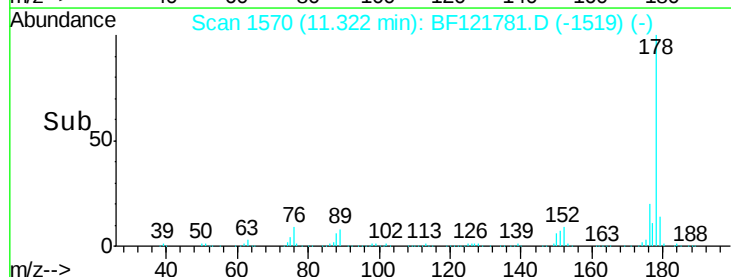
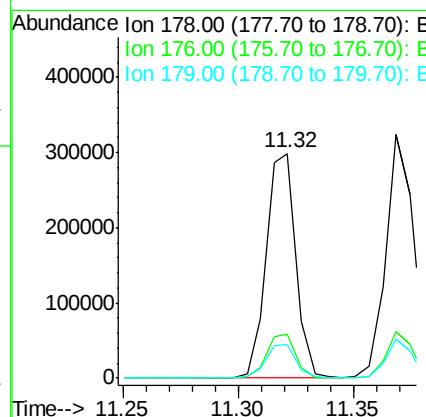
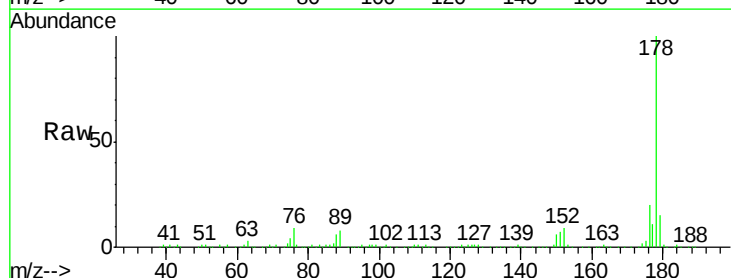
Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

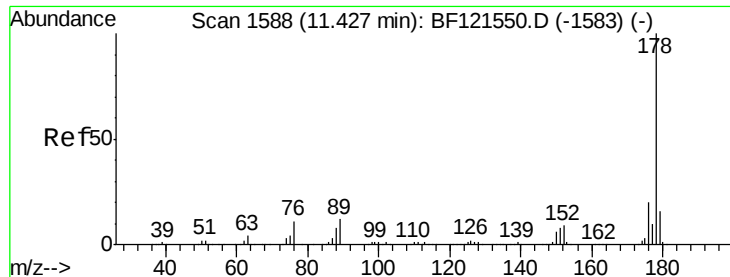
Tot Ion:266 Resp: 47023
 Ion Ratio Lower Upper
 266 100
 268 66.7 52.4 78.6
 264 65.3 49.9 74.9



#71
 Phenanthrene
 Concen: 14.175 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:178 Resp: 266767
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.9 23.9
 179 14.7 12.2 18.4

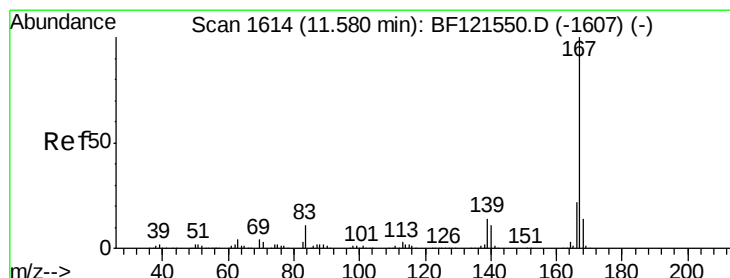
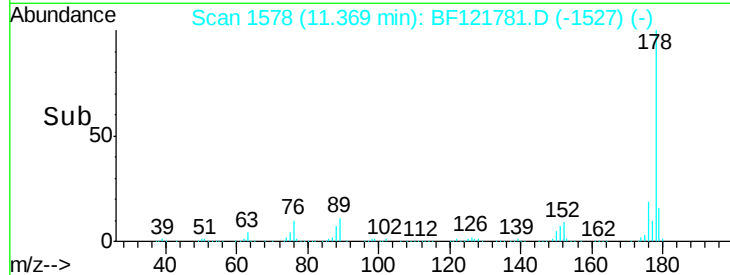
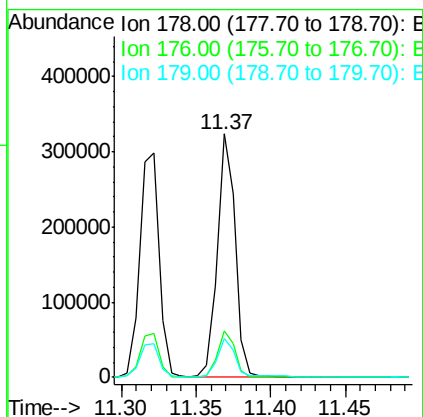
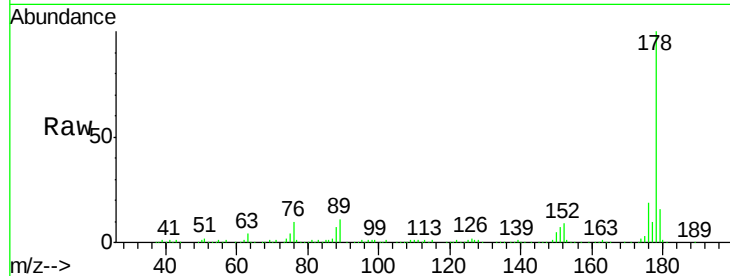




#72
 Anthracene
 Concen: 13.927 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

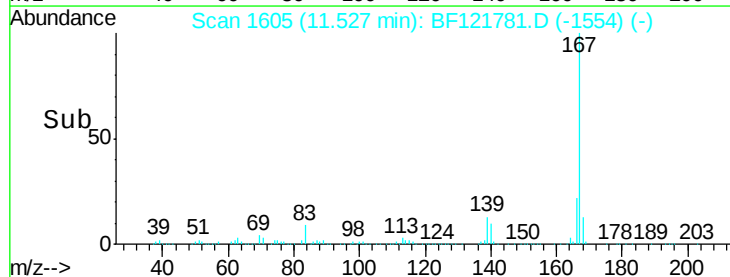
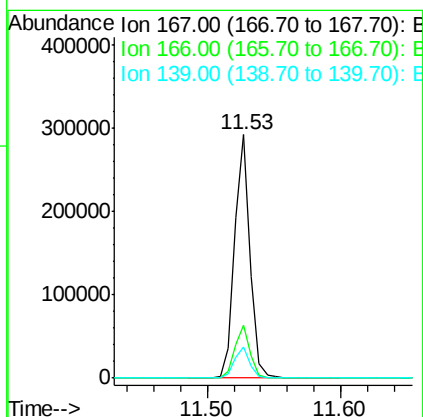
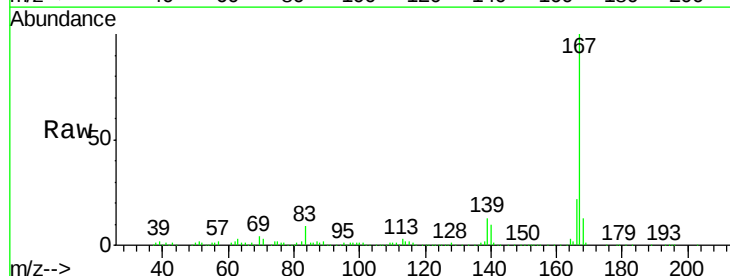
Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

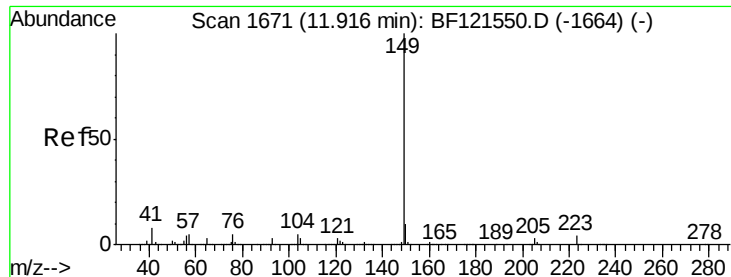
Tot Ion:178 Resp: 270485
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.8 12.7 19.1



#73
 Carbazole
 Concen: 13.567 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:167 Resp: 237772
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.6
 139 12.8 10.8 16.2





#74

Di-n-butylphthalate

Concen: 15.505 ng

RT: 11.86 min Scan# 1661

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

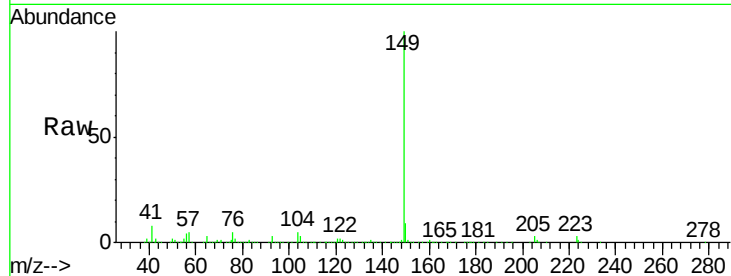
Tot Ion:149 Resp: 313631

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

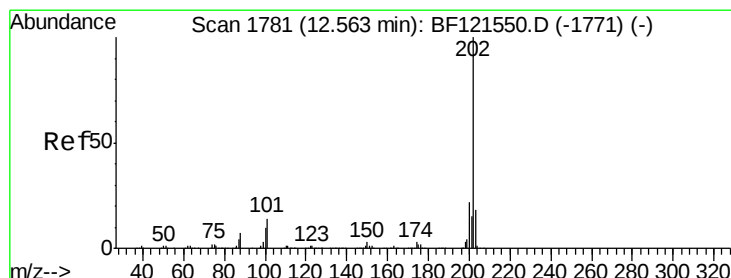
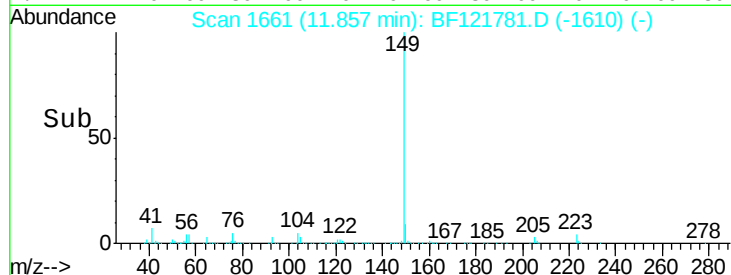
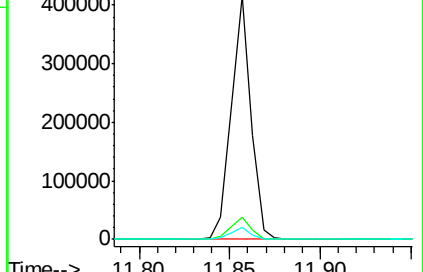
104 4.8 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 14.535 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

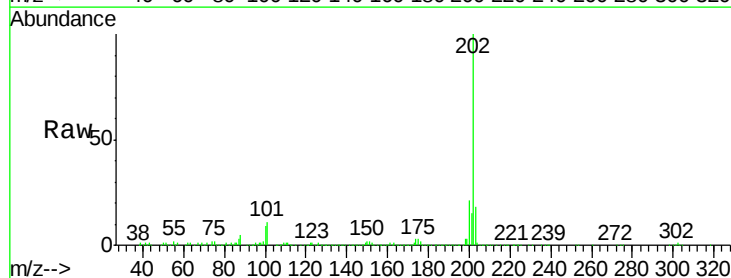
Tgt Ion:202 Resp: 292009

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.4

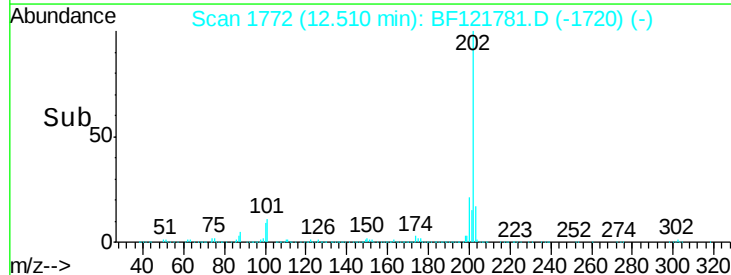
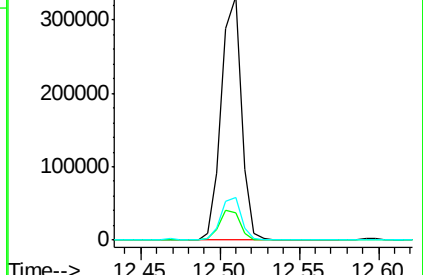
203 17.5 0.0 37.9

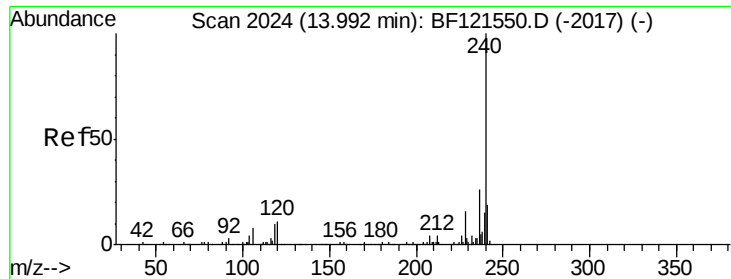


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

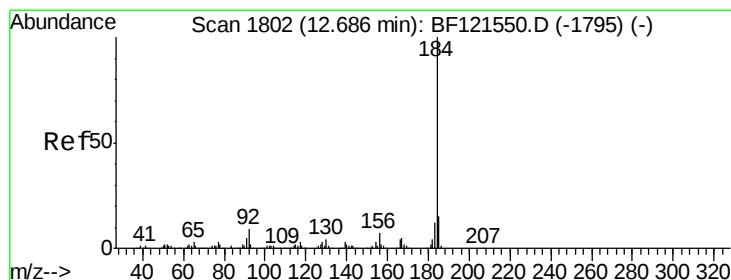
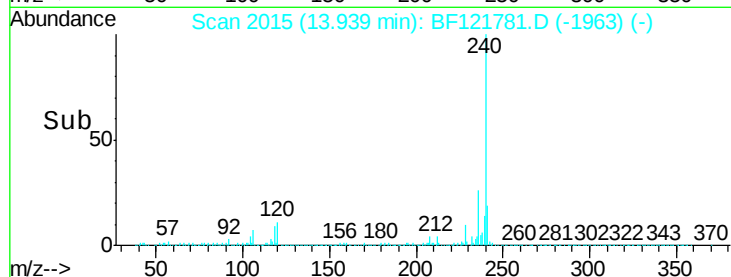
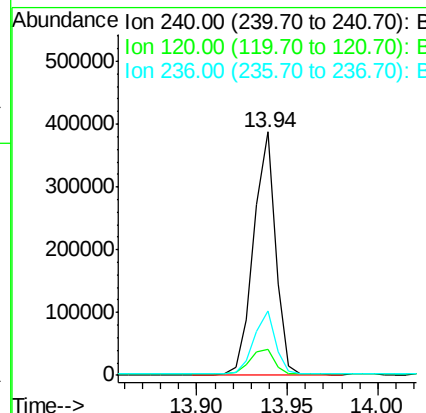
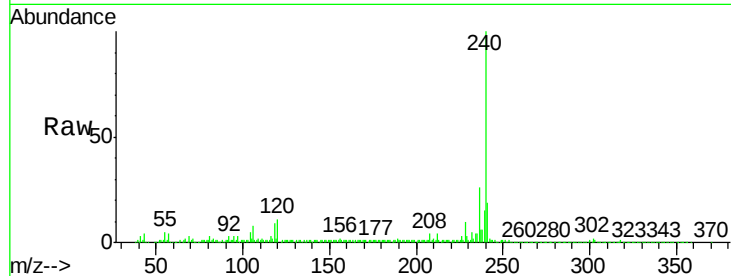




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.01 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

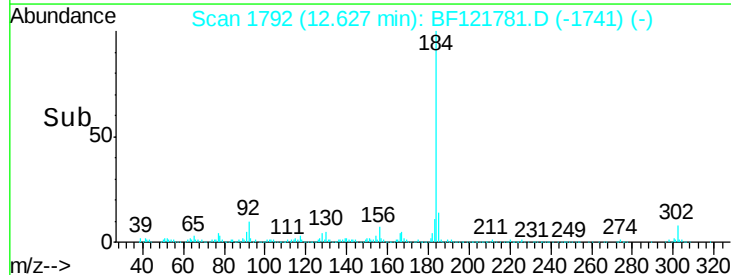
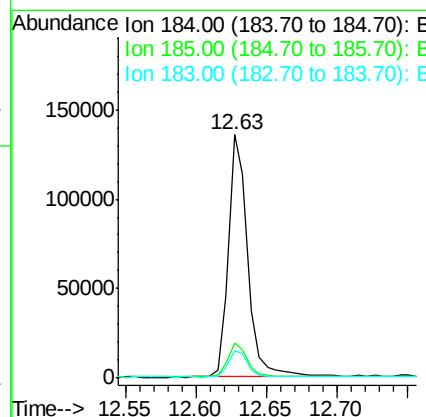
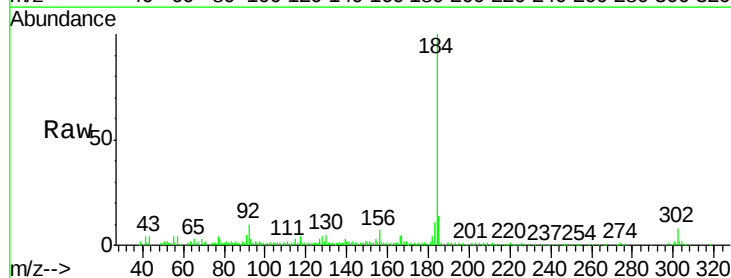
Instrument :
 BNA_F
 ClientSampleId :
 B-11(1-2)MS

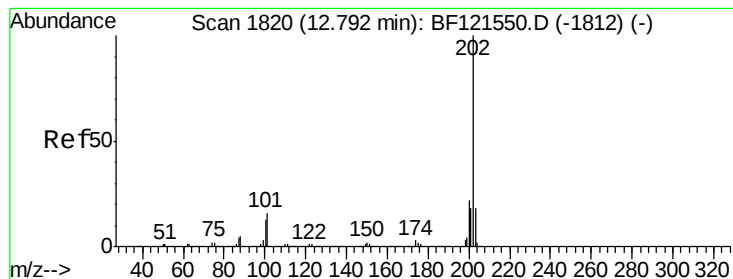
Tot Ion:240 Resp: 324067
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.2 13.8
 236 26.3 20.9 31.3



#77
 Benzidine
 Concen: 12.059 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BF121781.D
 Acq: 1 Oct 2020 22:21

Tgt Ion:184 Resp: 129560
 Ion Ratio Lower Upper
 184 100
 185 14.4 11.6 17.4
 183 11.4 9.4 14.0





#78

Pvrene

Concen: 12.850 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

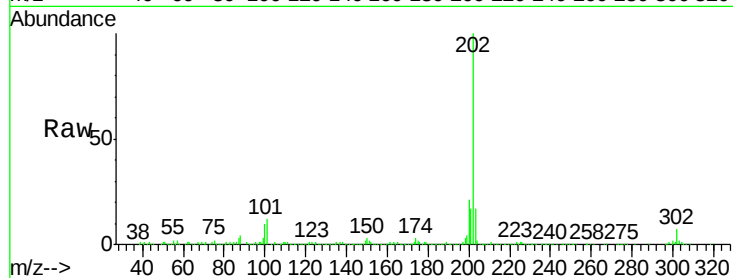
Tot Ion:202 Resp: 304261

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

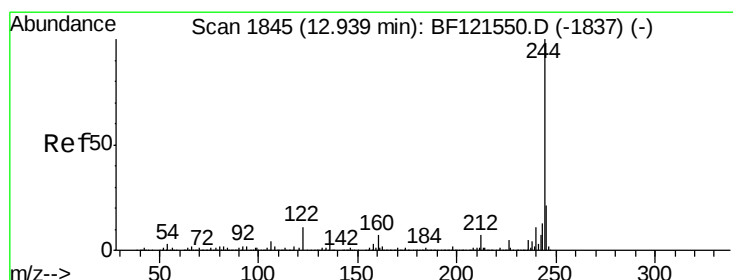
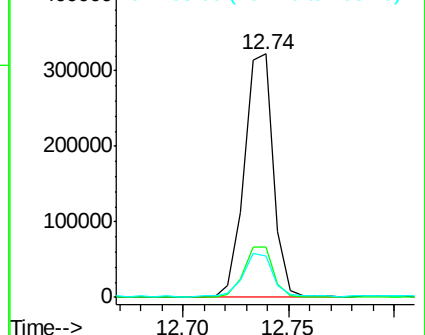
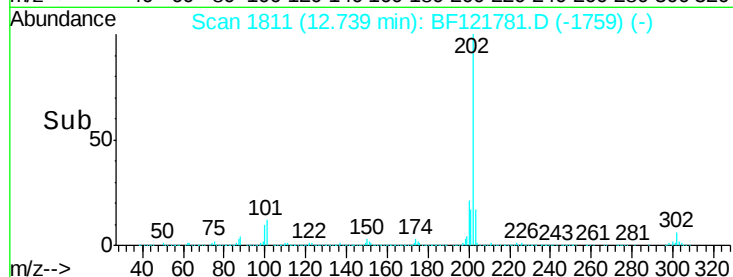
203 17.1 14.6 21.8



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: 24.768 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

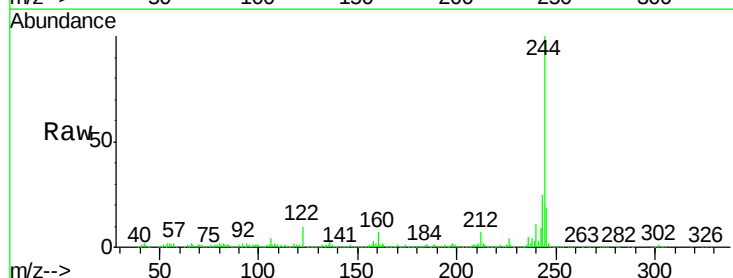
Tgt Ion:244 Resp: 396194

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

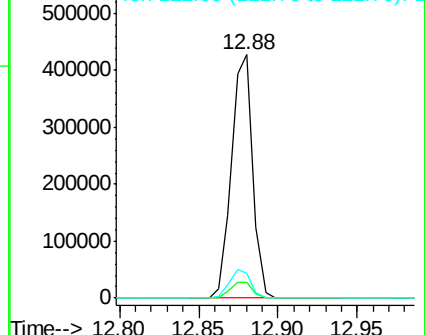
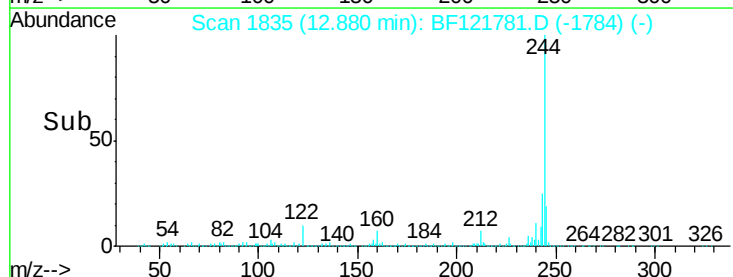
122 10.1 8.1 12.1

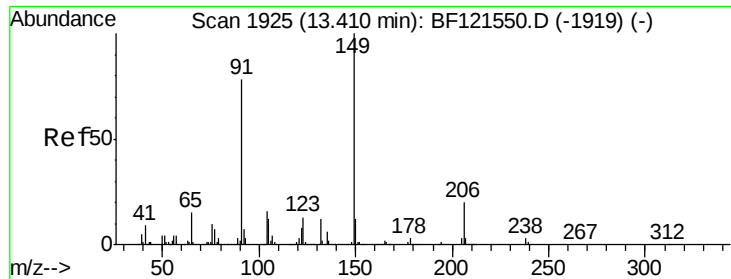


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

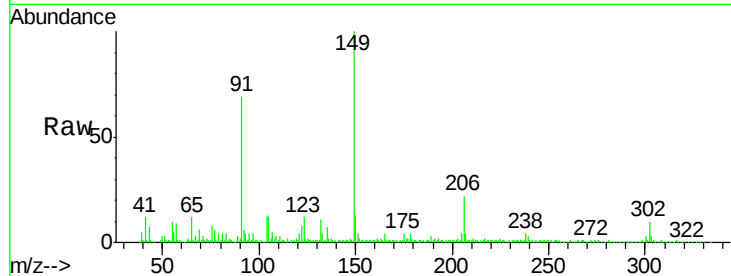




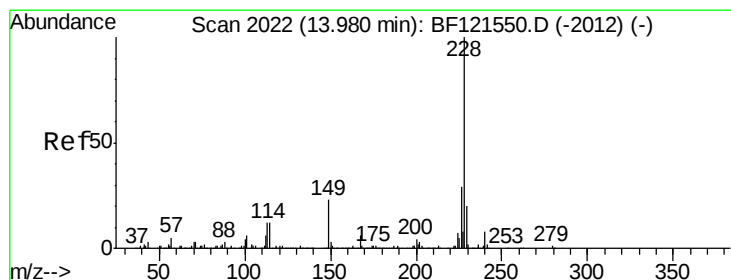
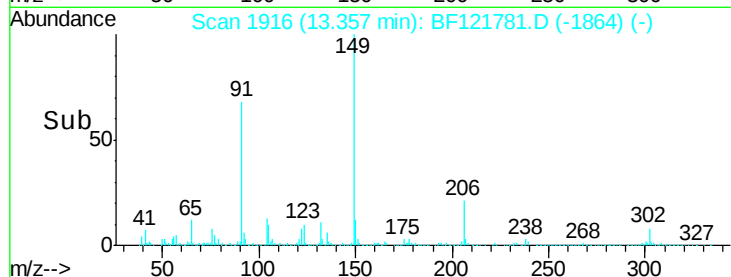
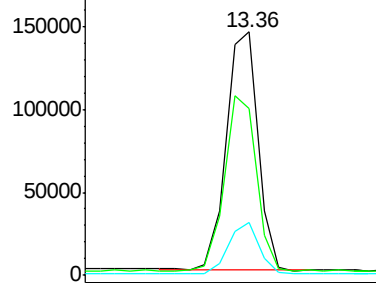
#80
Butylbenzylphthalate
Concen: 13.190 ng
RT: 13.36 min Scan# 1916
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:149 Resp: 126306
Ion Ratio Lower Upper
149 100
91 68.5 61.0 91.4
206 21.6 16.7 25.1

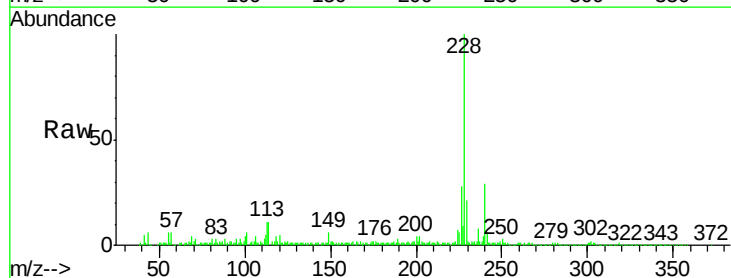


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

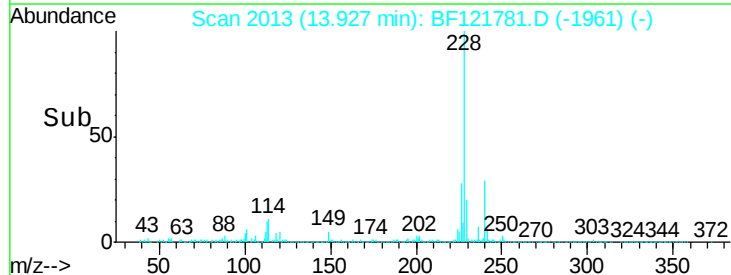
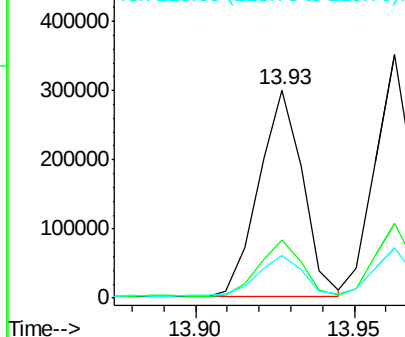


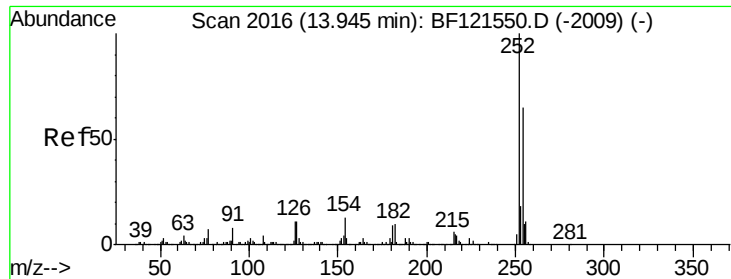
#81
Benzo(a)anthracene
Concen: 14.033 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:228 Resp: 287707
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.6 16.2 24.4



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

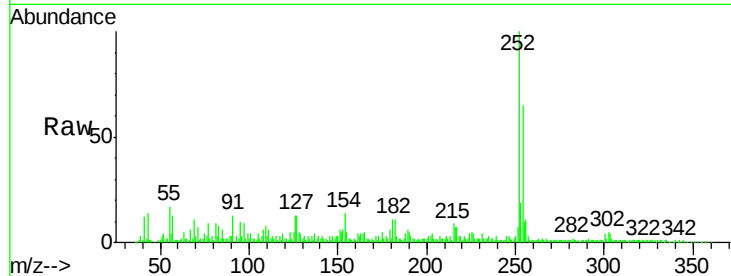




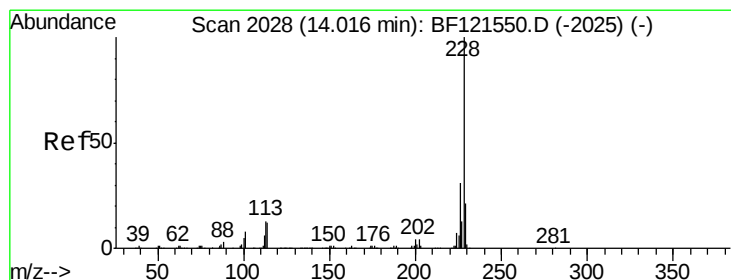
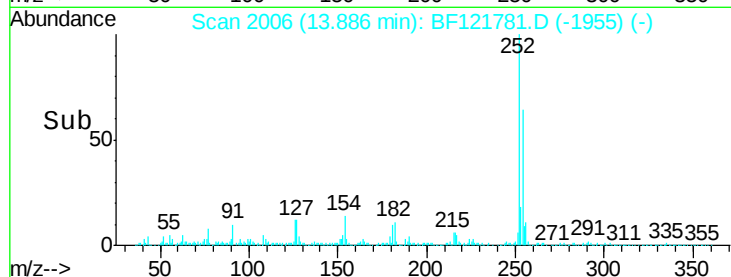
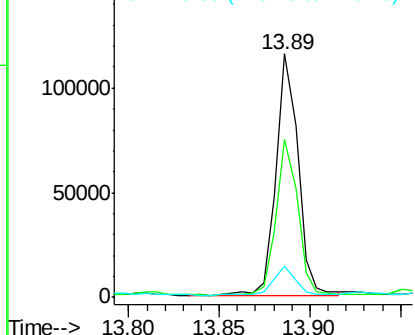
#82
3,3'-Dichlorobenzidine
Concen: 12.148 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

Tot Ion:252 Resp: 97234
Ion Ratio Lower Upper
252 100
254 64.9 51.8 77.6
126 12.9 8.8 13.2

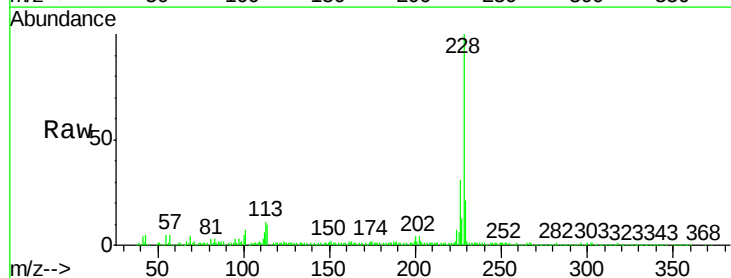


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

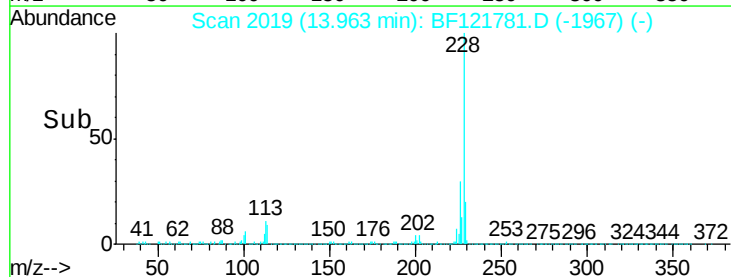
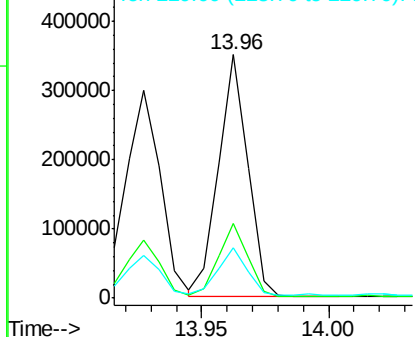


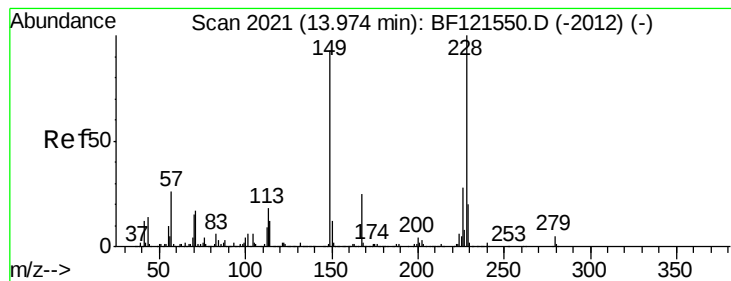
#83
Chrysene
Concen: 13.630 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:228 Resp: 282974
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 20.5 15.9 23.9



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.763 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

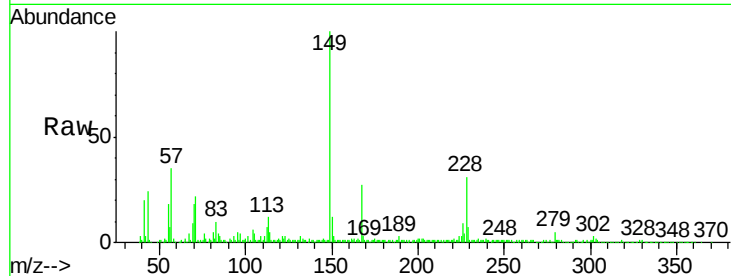
Tot Ion:149 Resp: 188856

Ion Ratio Lower Upper

149 100

167 26.8 20.9 31.3

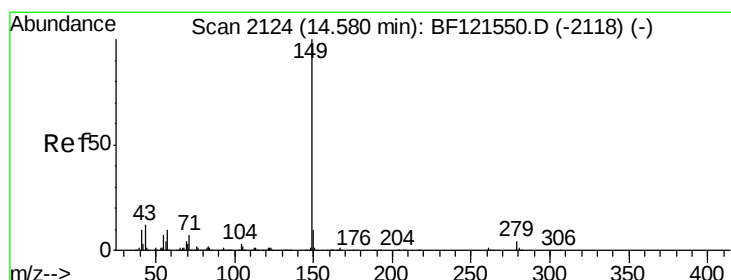
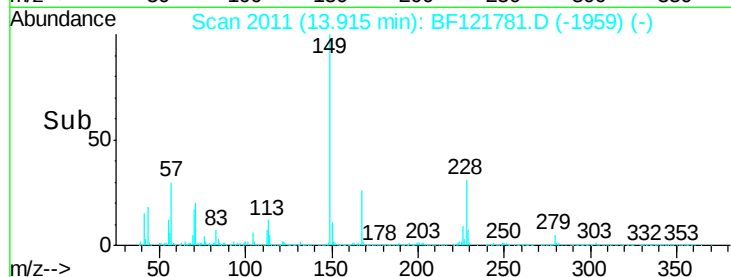
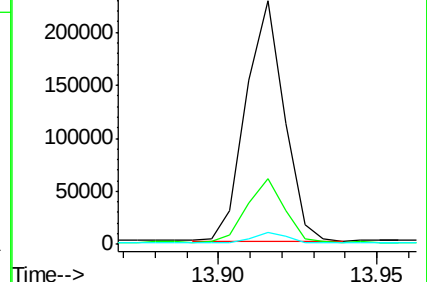
279 5.1 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 14.559 ng

RT: 14.53 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

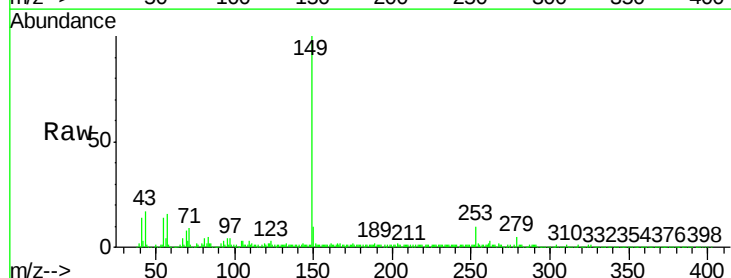
Tgt Ion:149 Resp: 328690

Ion Ratio Lower Upper

149 100

167 2.1 1.2 1.8#

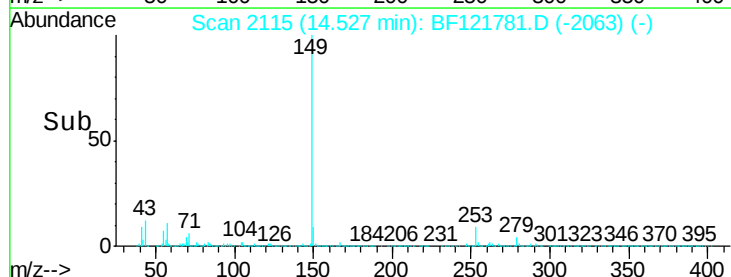
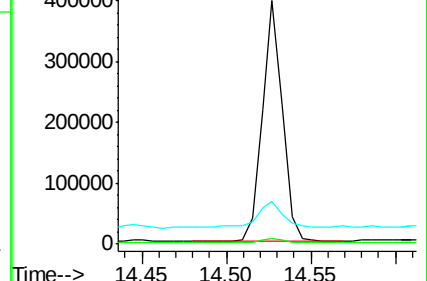
43 11.9 9.0 13.6

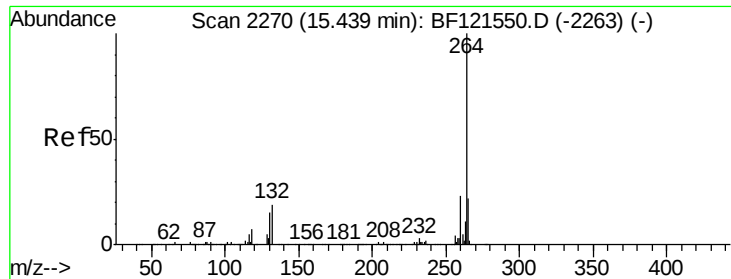


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

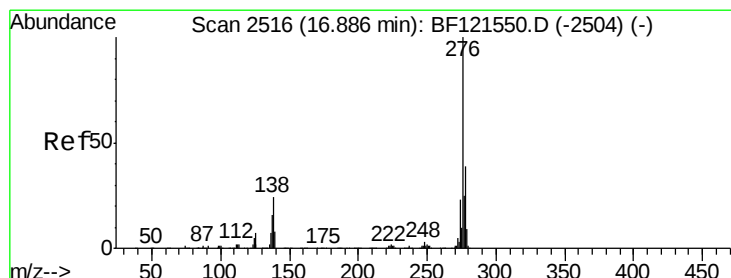
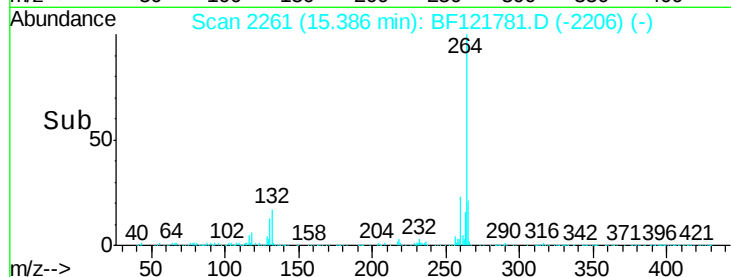
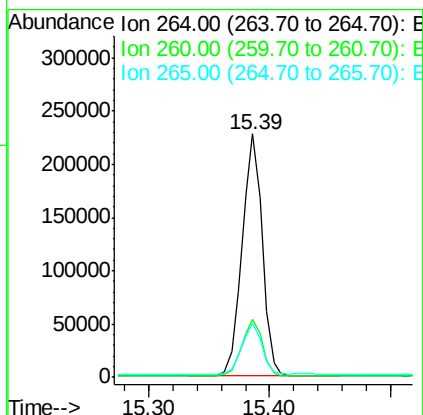
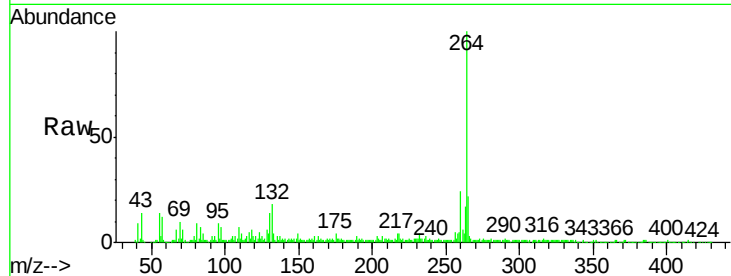




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.02 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

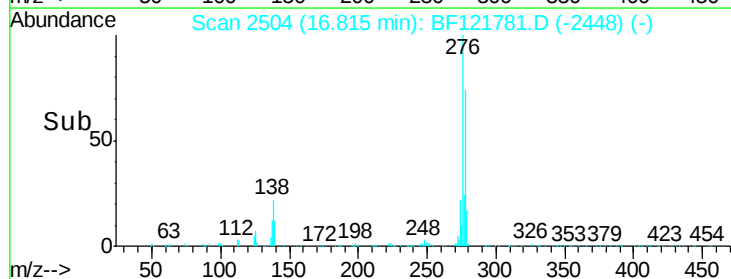
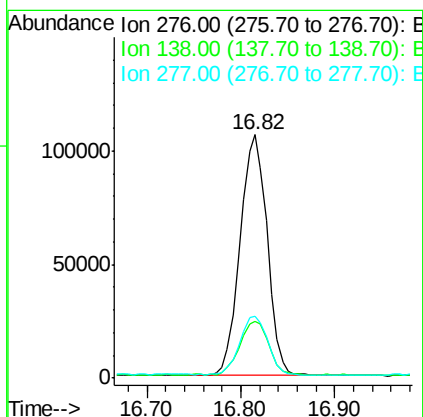
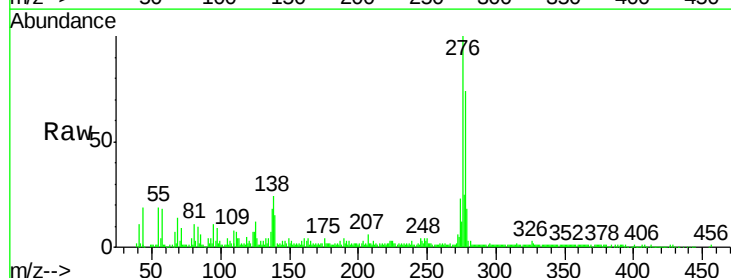
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

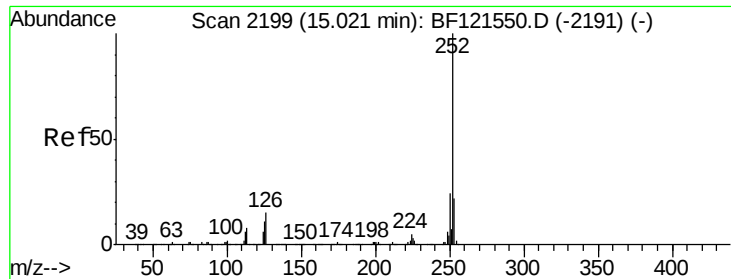
Tot Ion:264 Resp: 264526
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.1 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.260 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.03 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:276 Resp: 211192
Ion Ratio Lower Upper
276 100
138 24.5 19.9 29.9
277 25.7 20.4 30.6

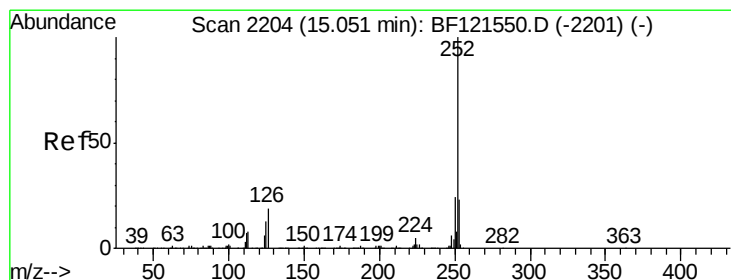
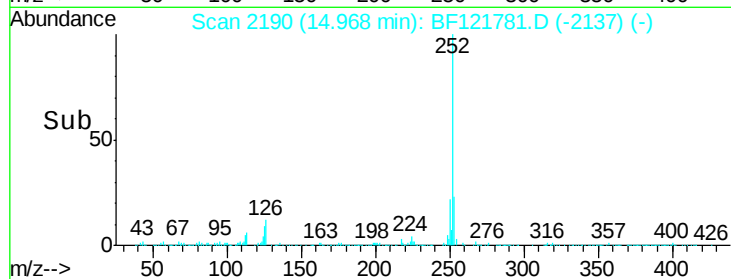
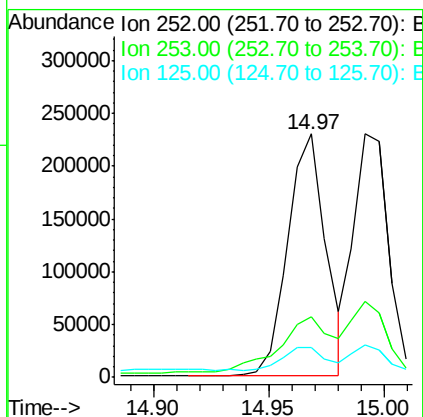
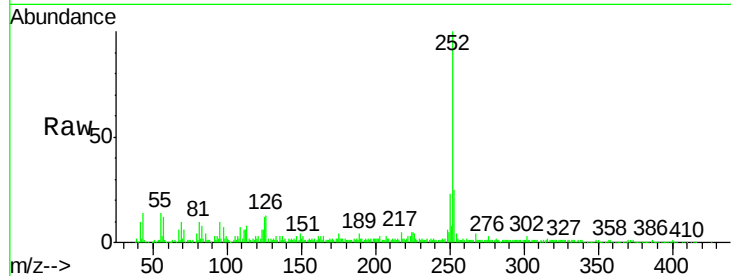




#88
Benzo(b)fluoranthene
Concen: 14.762 ng
RT: 14.97 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

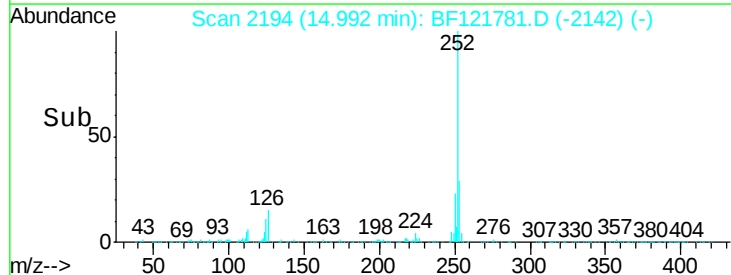
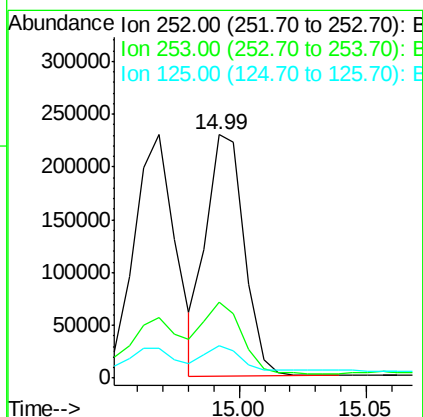
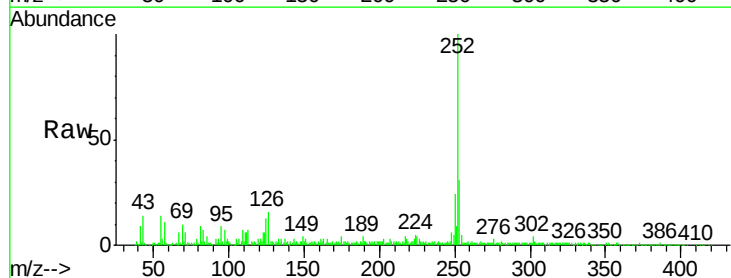
Instrument :
BNA_F
ClientSampleId :
B-11(1-2)MS

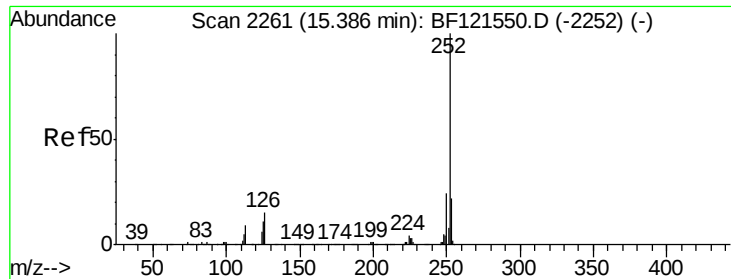
Tot Ion:252 Resp: 261046
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 12.2 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 14.723 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF121781.D
Acq: 1 Oct 2020 22:21

Tgt Ion:252 Resp: 238417
Ion Ratio Lower Upper
252 100
253 31.0 17.8 26.6#
125 13.5 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 14.152 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.02 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

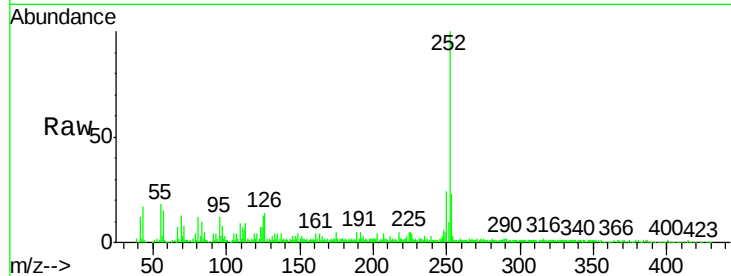
Tot Ion:252 Resp: 212724

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

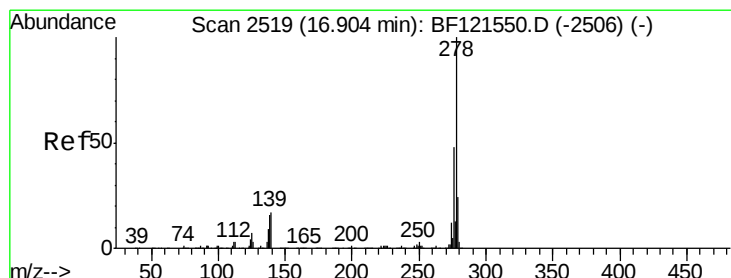
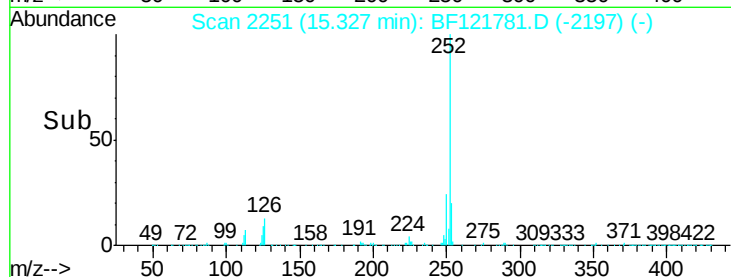
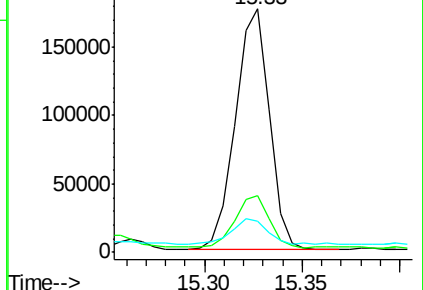
125 12.8 8.6 13.0



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: 12.704 ng

RT: 16.82 min Scan# 2505

Delta R.T. 0.02 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

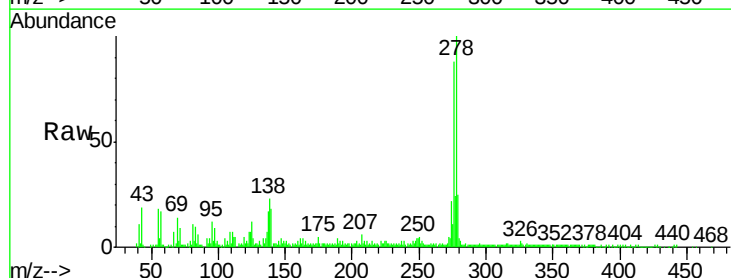
Tgt Ion:278 Resp: 182174

Ion Ratio Lower Upper

278 100

139 17.7 13.0 19.4

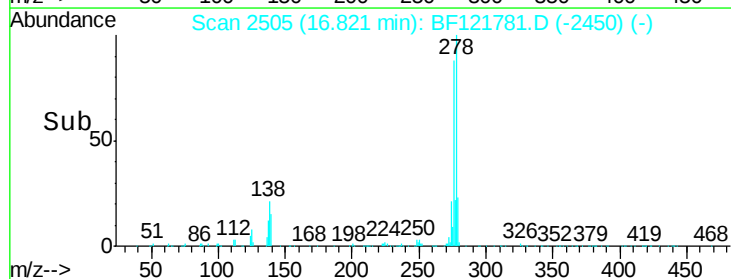
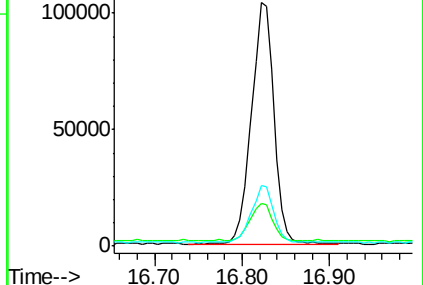
279 24.7 19.0 28.4

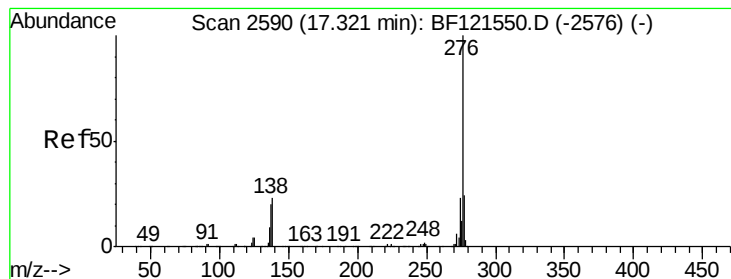


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 12.018 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.04 min

Lab File: BF121781.D

Acq: 1 Oct 2020 22:21

Instrument :

BNA_F

ClientSampleId :

B-11(1-2)MS

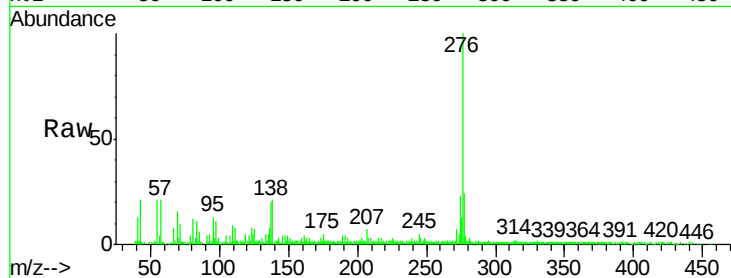
Tot Ion:276 Resp: 169410

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

138 20.7 17.8 26.6



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

