

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120452.D
 Acq On : 29 May 2020 21:12
 Operator : MA/SJ
 Sample : L2792-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:40:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	289668	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1050656	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	497006	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	793062	20.00	ng	0.00
76) Chrysene-d12	13.99	240	564510	20.00	ng	0.00
86) Perylene-d12	15.44	264	589710	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1145762	75.38	ng	0.00
7) Phenol-d6	6.46	99	1529679	81.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	999783	62.25	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	378157	82.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1831930	62.54	ng	0.00
79) Terphenyl-d14	12.94	244	1547641	61.01	ng	0.00

Target Compounds

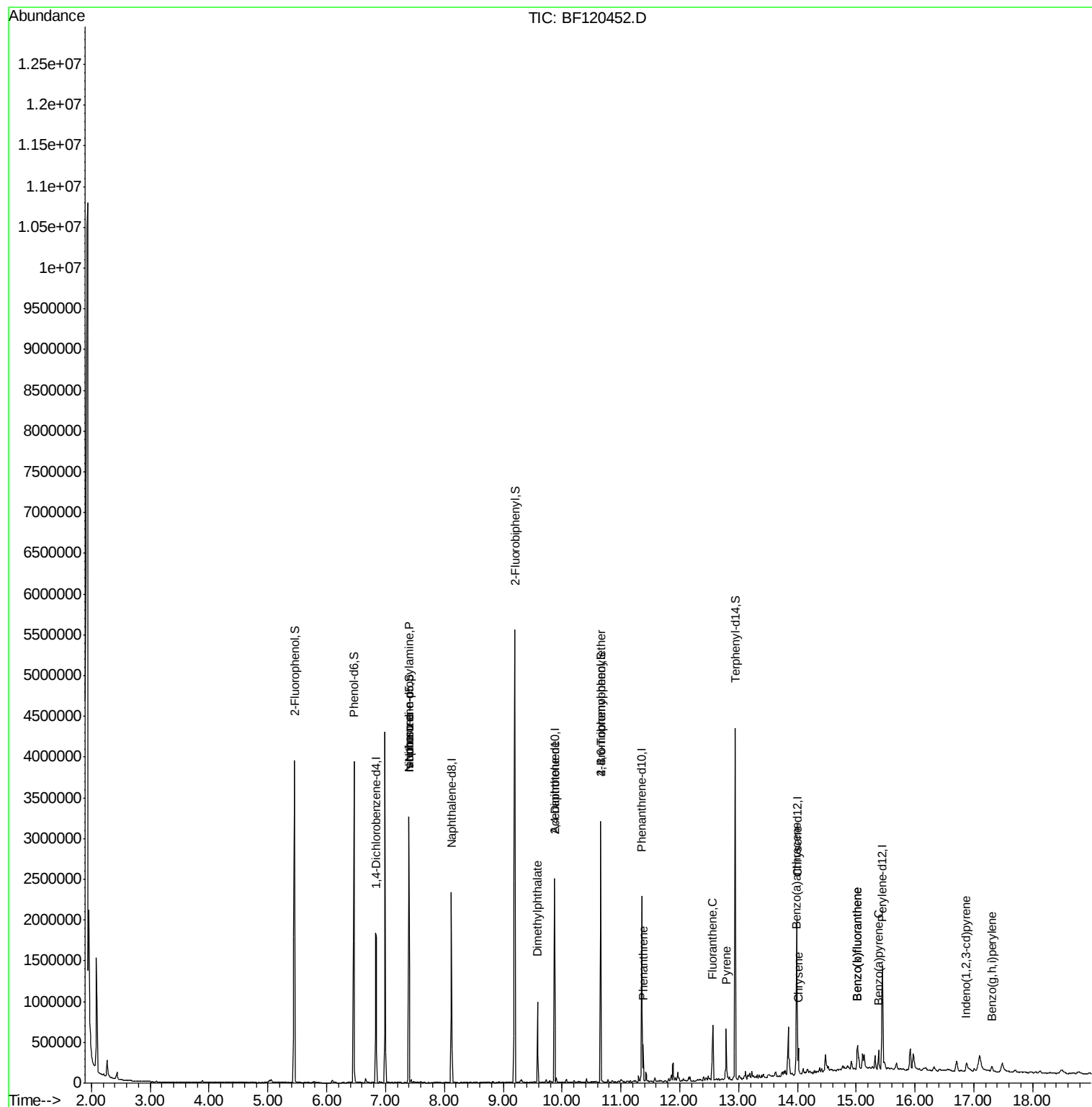
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	132936	11.163	ng	# 78
25) Isophorone	7.40	82	997646	30.904	ng	# 64
50) Dimethylphthalate	9.59	163	338625	10.898	ng	99
57) 2,4-Dinitrotoluene	9.87	165	64142	7.258	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22022	2.751	ng	# 1
71) Phenanthrene	11.38	178	158105	4.524	ng	96
75) Fluoranthene	12.57	202	269215	7.160	ng	96
78) Pyrene	12.79	202	247658	6.308	ng	97
81) Benzo(a)anthracene	13.98	228	132851	4.391	ng	99
83) Chrysene	14.02	228	119425	3.765	ng	96
87) Indeno(1,2,3-cd)pyrene	16.87	276	64871	2.011	ng	95
88) Benzo(b)fluoranthene	15.02	252	211607	6.460	ng	# 98
89) Benzo(k)fluoranthene	15.02	252	211607	6.920	ng	# 98
90) Benzo(a)pyrene	15.38	252	110873	3.870	ng	98
92) Benzo(a,h,i)perylene	17.31	276	62346	2.404	ng	97

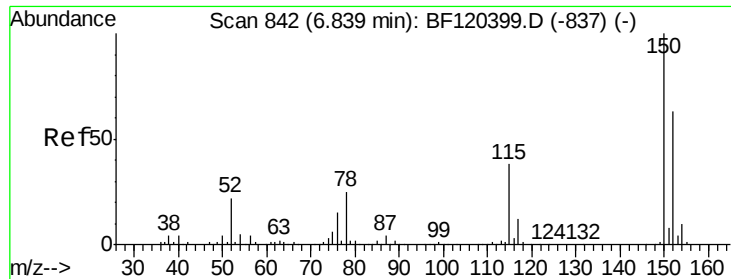
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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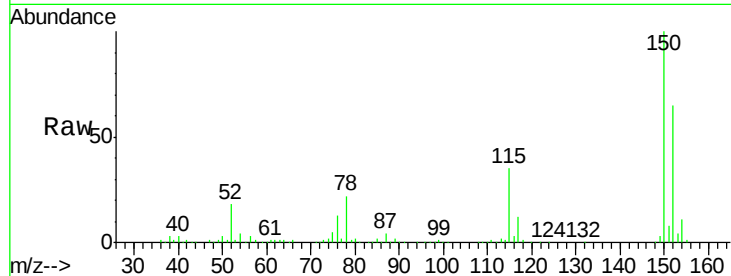


#1

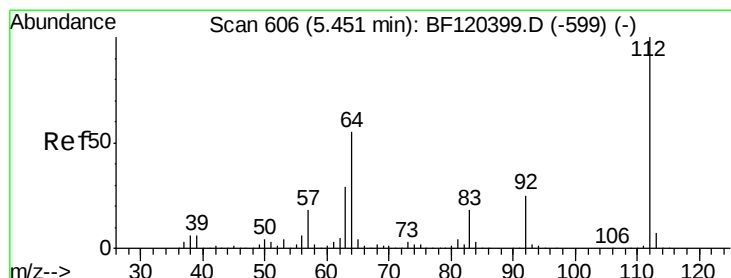
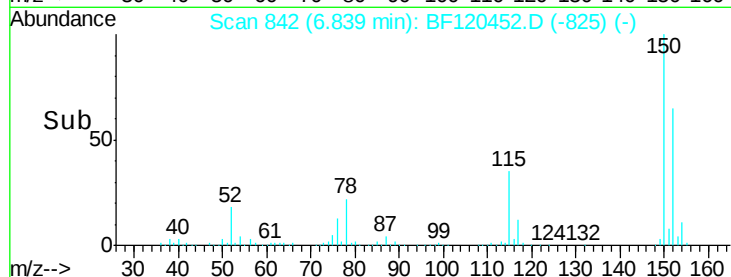
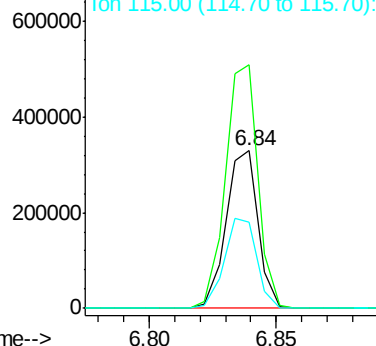
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 289668
Ion Ratio Lower Upper
152 100
150 154.8 126.5 189.7
115 54.5 47.6 71.4



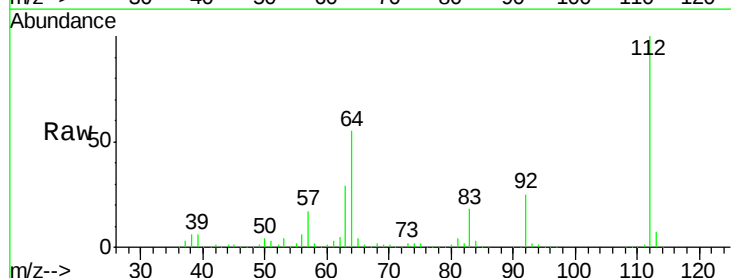
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



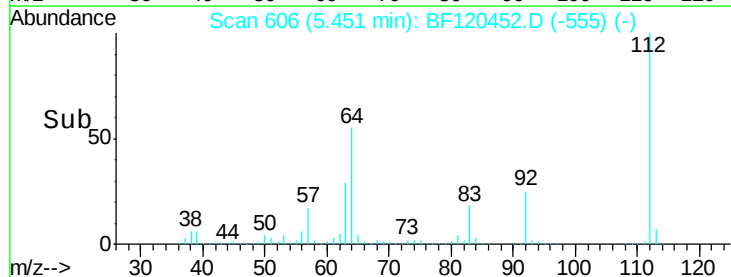
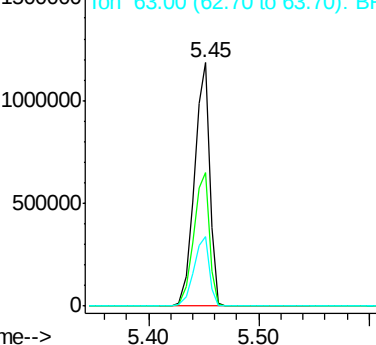
#5

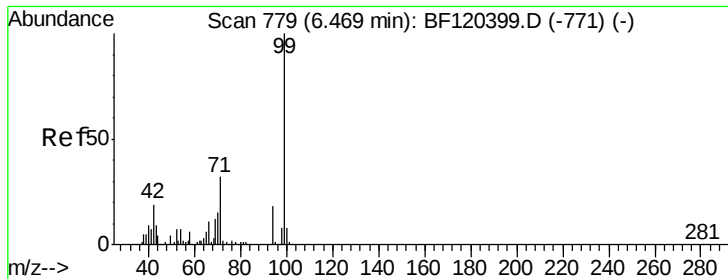
2-Fluorophenol
Concen: 75.381 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

Tgt Ion:112 Resp: 1145762
Ion Ratio Lower Upper
112 100
64 55.1 44.3 66.5
63 28.6 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 81.649 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleId :

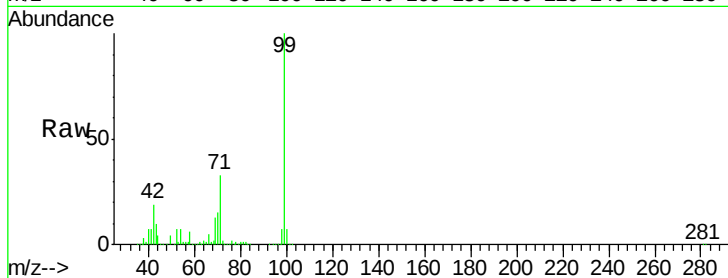
Tot Ion: 99 Resp: 1529679

Ion Ratio Lower Upper

99 100

42 19.1 15.2 22.8

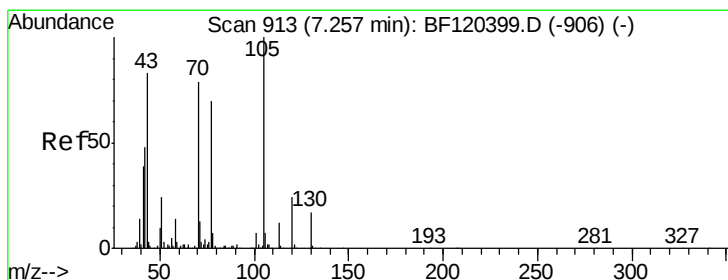
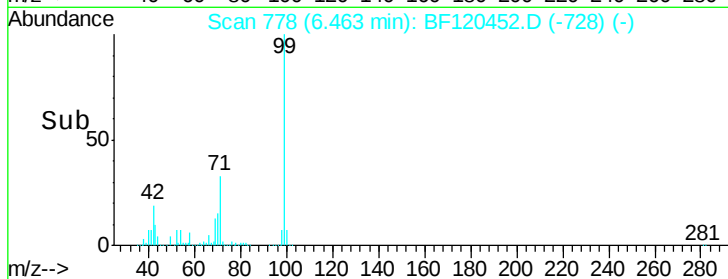
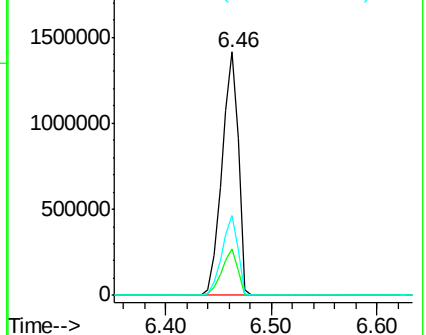
71 33.0 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.163 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Tgt Ion: 70 Resp: 132936

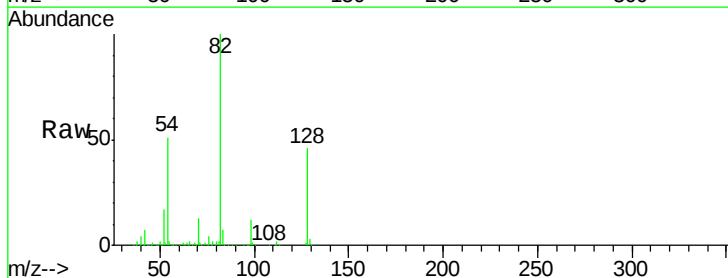
Ion Ratio Lower Upper

70 100

42 49.2 48.9 73.3

101 0.0 7.4 11.2#

130 2.4 16.8 25.2#

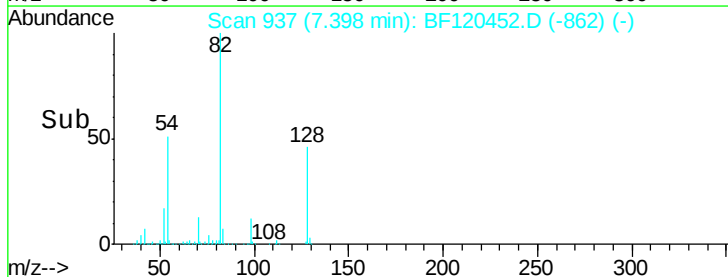
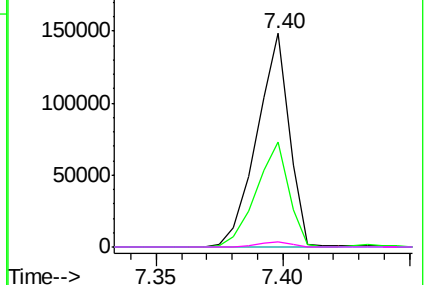


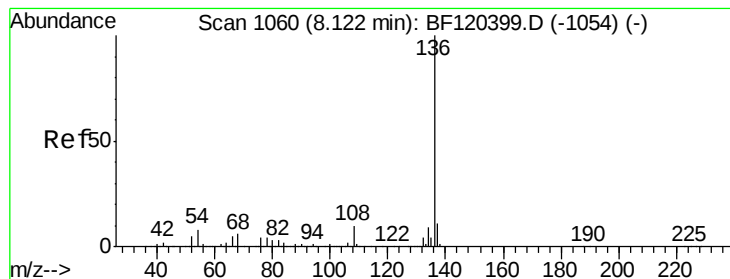
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1050656

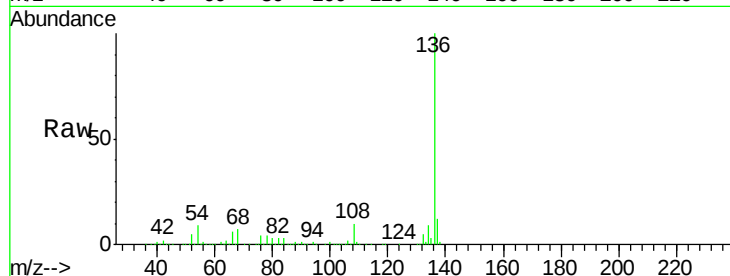
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 8.5 6.7 10.1

68 6.5 5.0 7.4

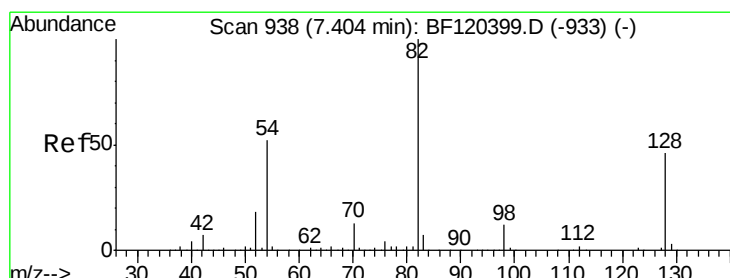
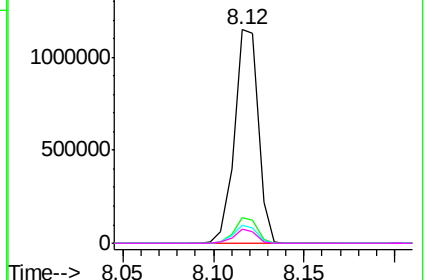
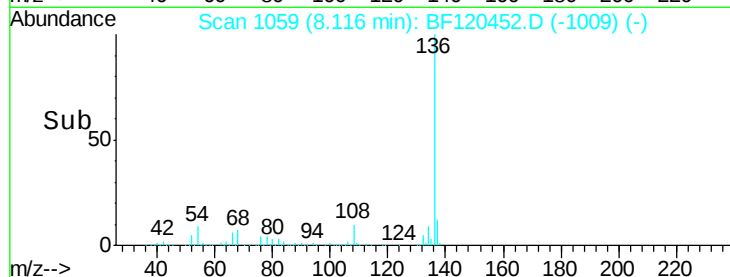


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 62.246 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

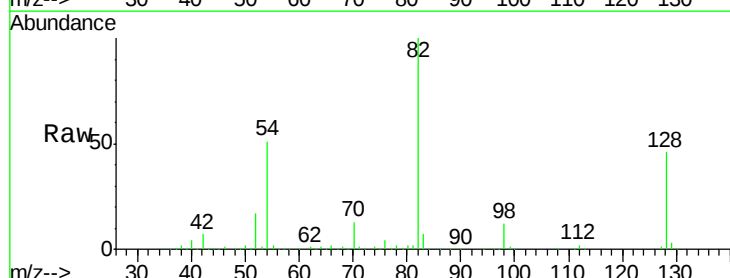
Tgt Ion: 82 Resp: 999783

Ion Ratio Lower Upper

82 100

128 46.2 36.8 55.2

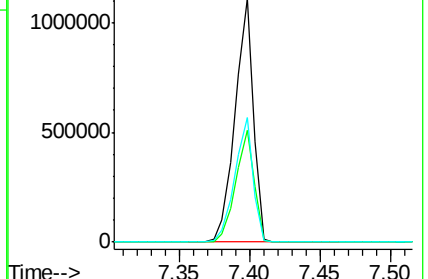
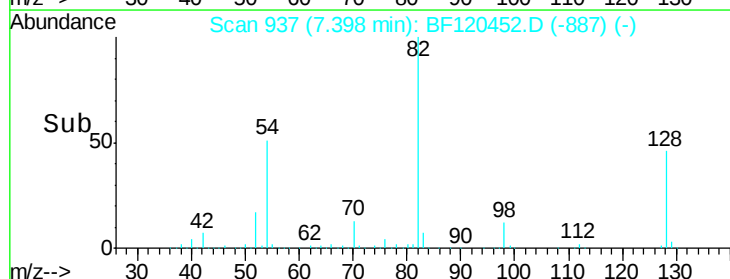
54 51.1 41.6 62.4

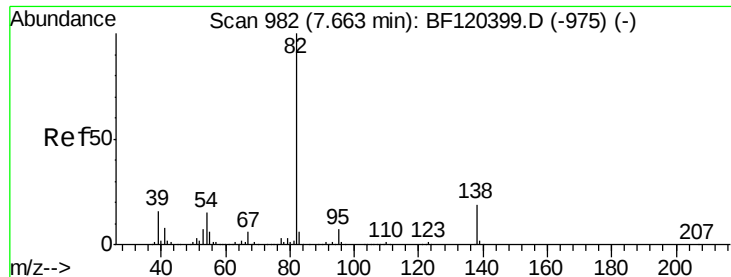


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.904 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleID :

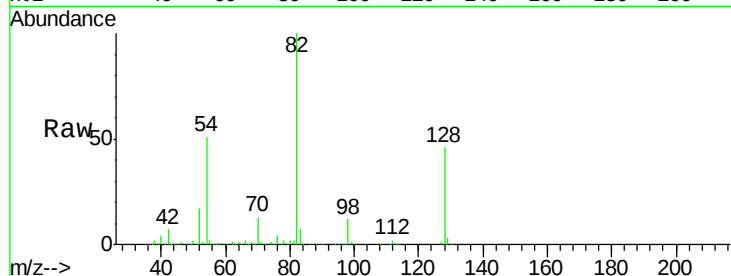
Tot Ion: 82 Resp: 997646

Ion Ratio Lower Upper

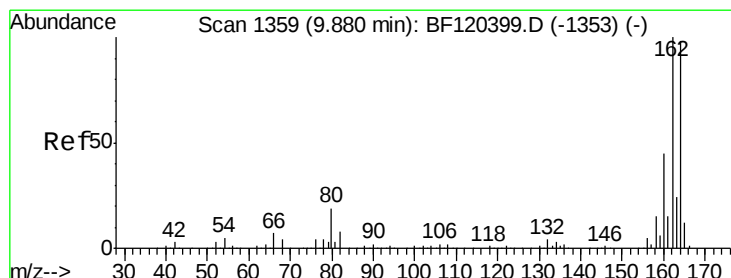
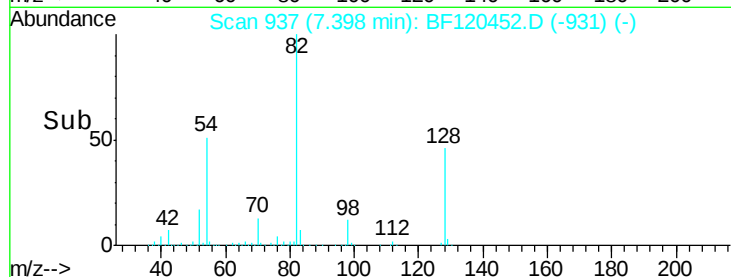
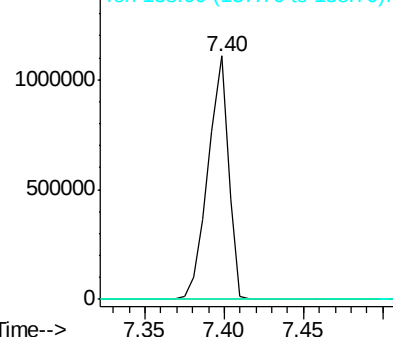
82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

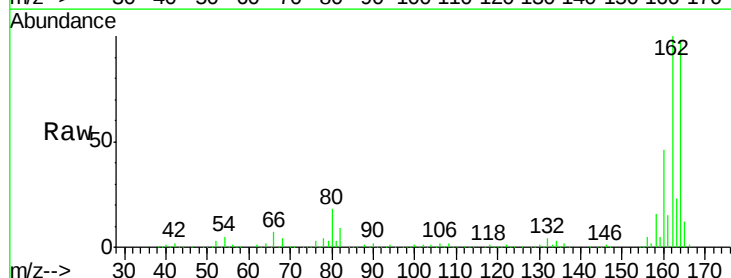
Tgt Ion: 164 Resp: 497006

Ion Ratio Lower Upper

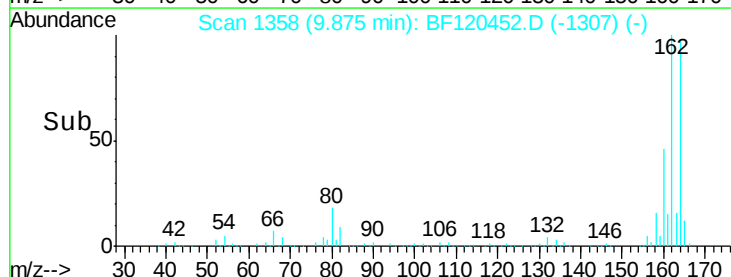
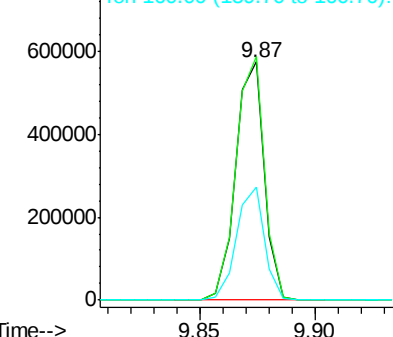
164 100

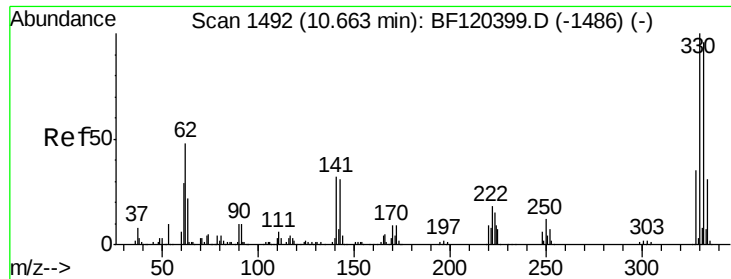
162 102.3 81.3 121.9

160 47.3 36.9 55.3



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

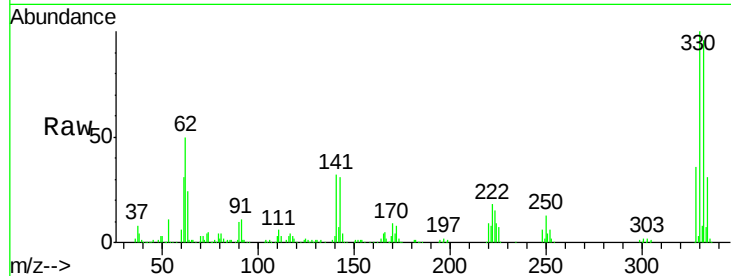




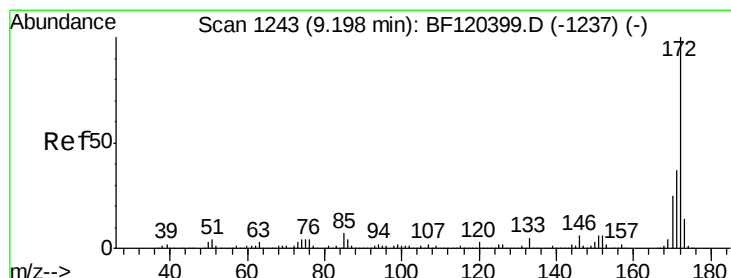
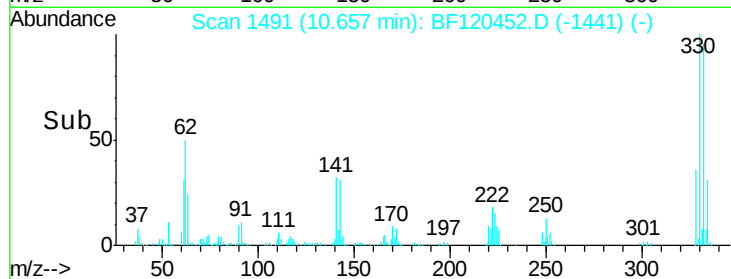
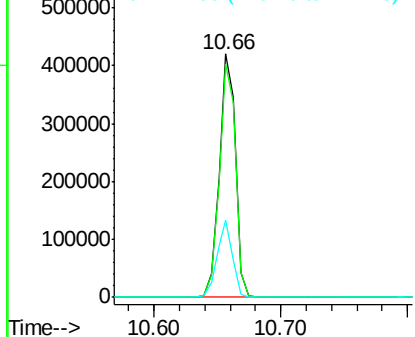
#42
 2,4,6-Tribromophenol
 Concen: 82.119 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	30.3	25.3	37.9

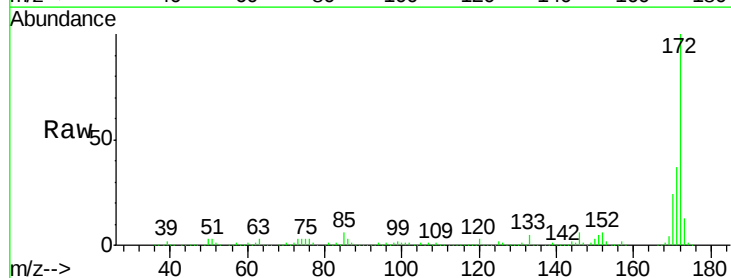


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

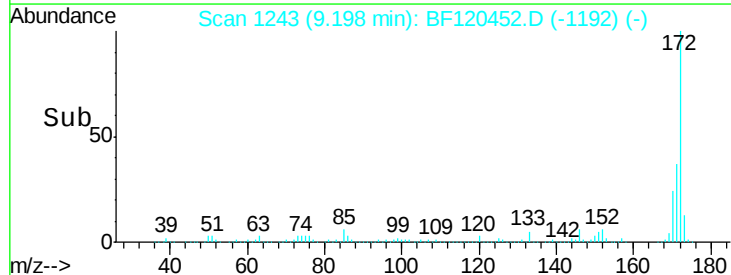
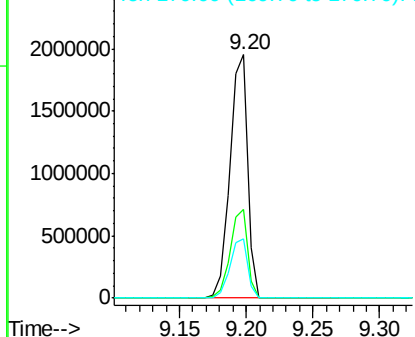


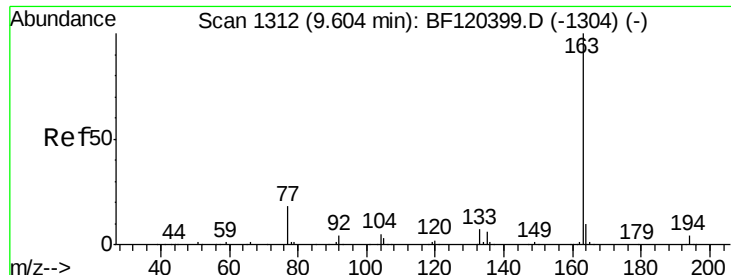
#45
 2-Fluorobiphenyl
 Concen: 62.539 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.5	19.9	29.9



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

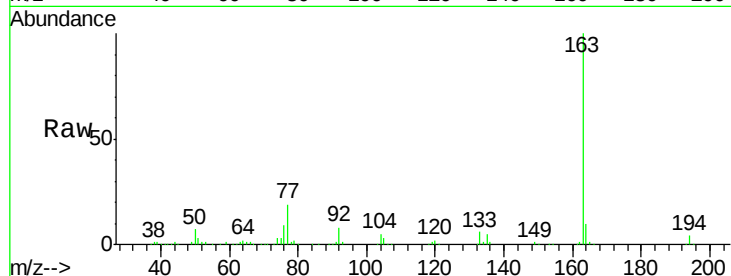




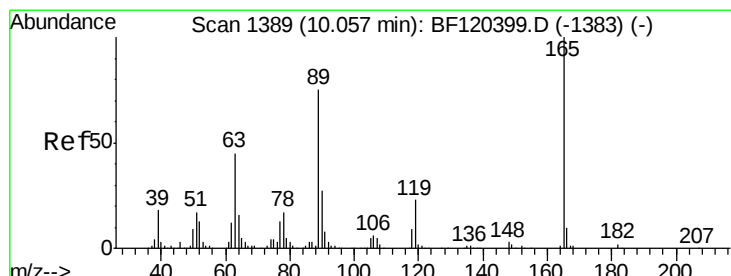
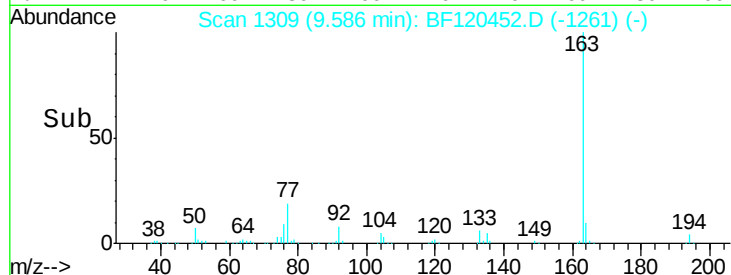
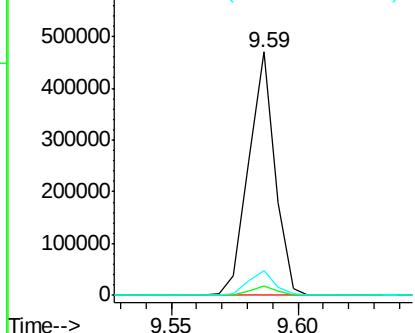
#50
Dimethylphthalate
Concen: 10.898 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 338625
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.2 8.3 12.5

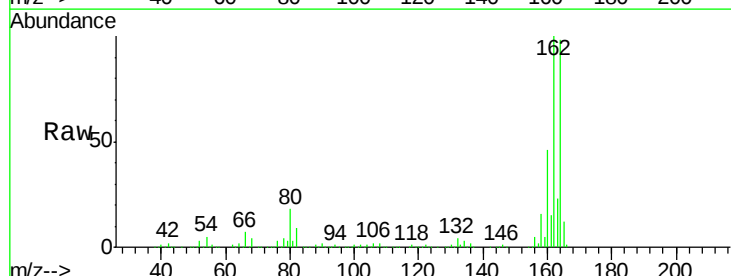


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

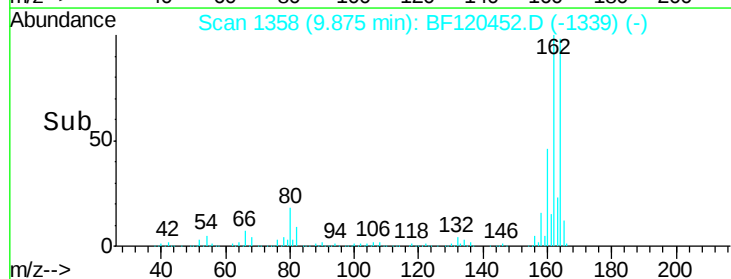
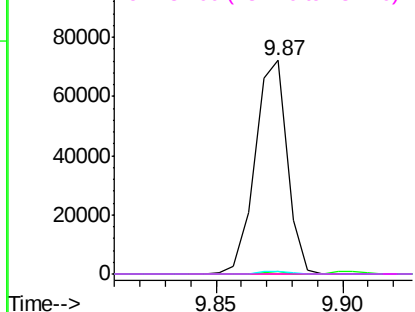


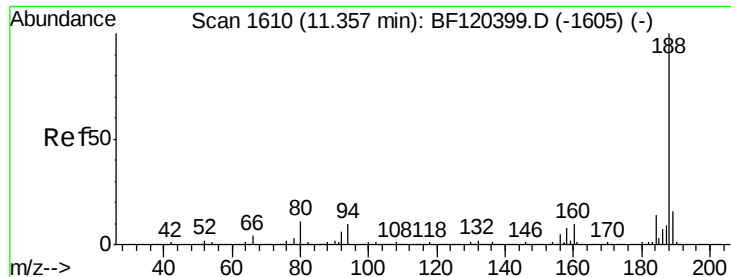
#57
2,4-Dinitrotoluene
Concen: 7.258 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

Tgt Ion:165 Resp: 64142
Ion Ratio Lower Upper
165 100
63 1.2 35.9 53.9#
89 1.4 60.0 90.0#
182 0.0 2.0 3.0#



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

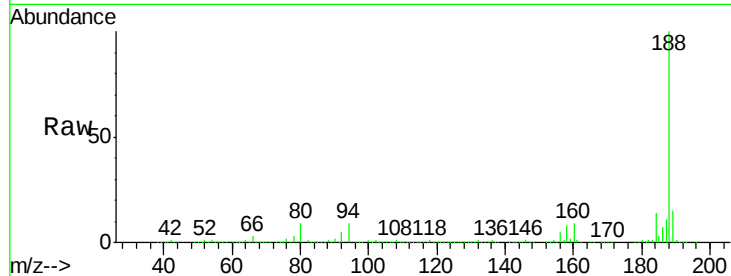




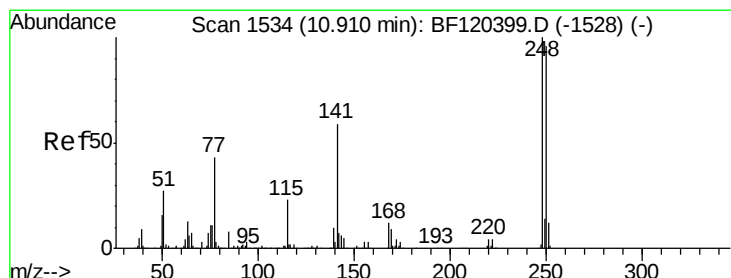
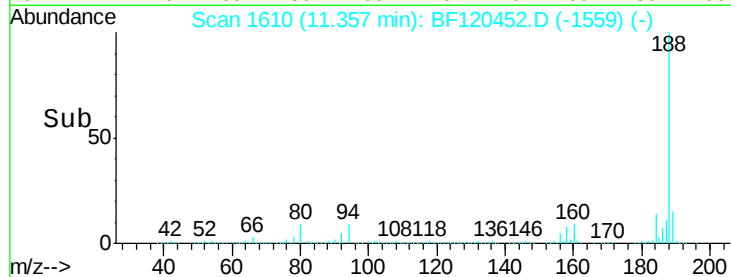
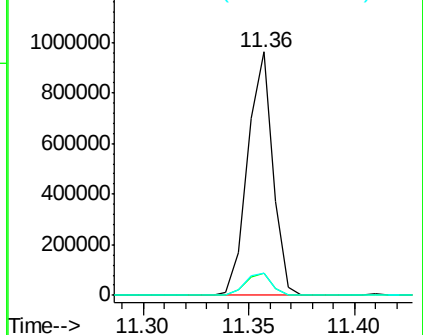
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 793062
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.9 11.9
 80 9.2 8.6 13.0

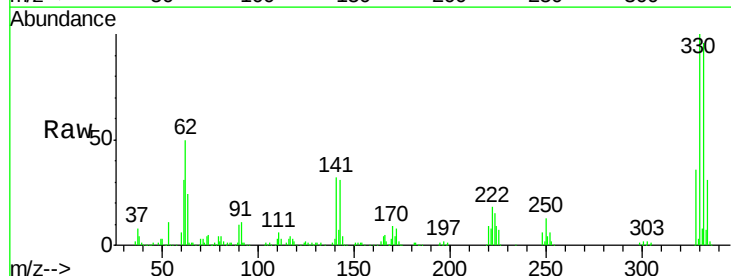


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

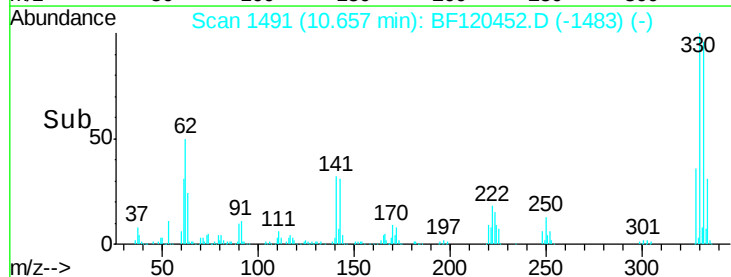
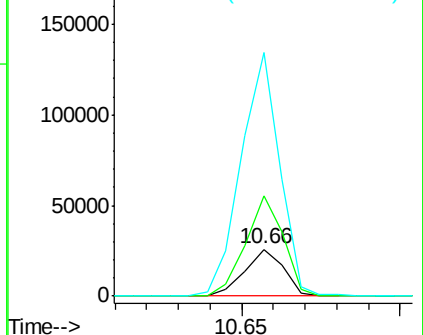


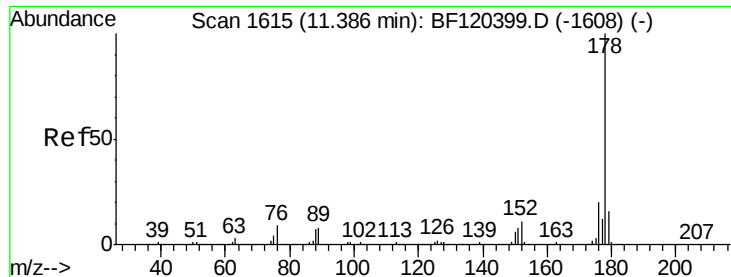
#67
 4-Bromophenyl-phenylether
 Concen: 2.751 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Tgt Ion:248 Resp: 22022
 Ion Ratio Lower Upper
 248 100
 250 214.8 76.5 114.7#
 141 519.2 47.2 70.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.524 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleId :

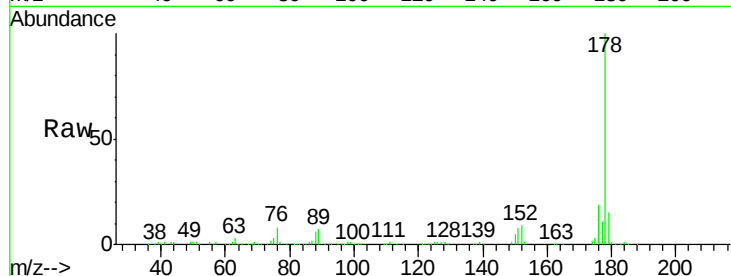
Tot Ion:178 Resp: 158105

Ion Ratio Lower Upper

178 100

176 18.7 16.4 24.6

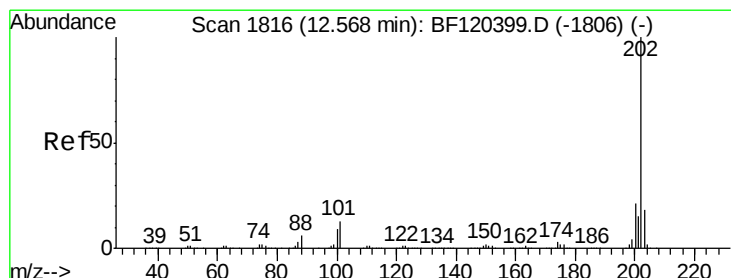
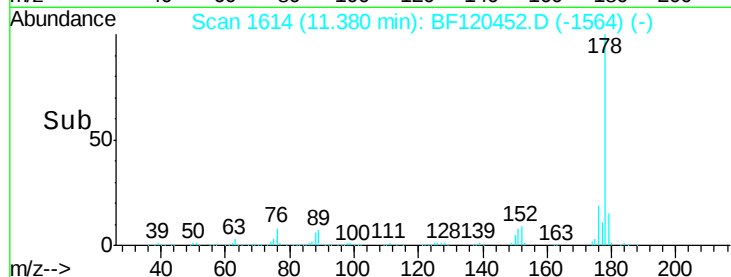
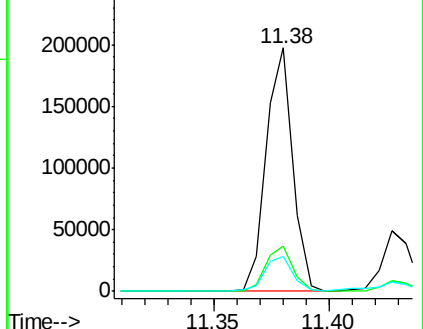
179 14.6 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.160 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

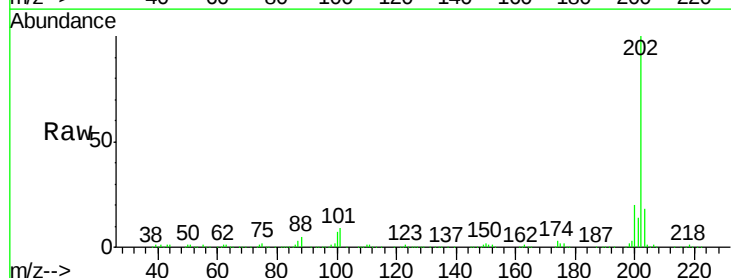
Tgt Ion:202 Resp: 269215

Ion Ratio Lower Upper

202 100

101 9.2 0.0 32.6

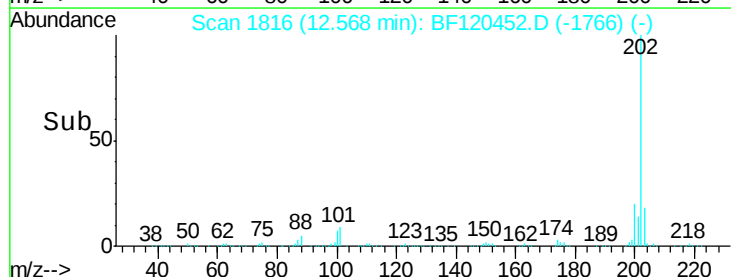
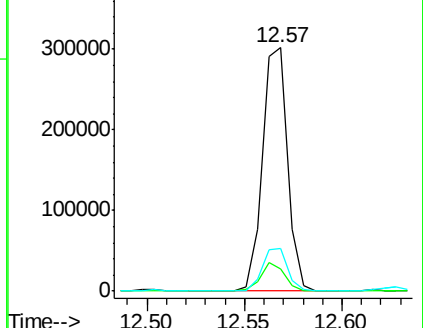
203 17.7 0.0 38.4

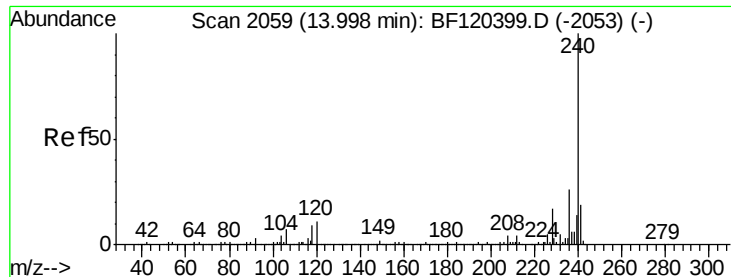


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleId :

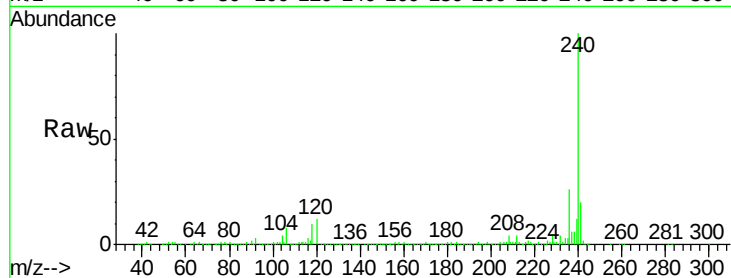
Tot Ion:240 Resp: 564510

Ion Ratio Lower Upper

240 100

120 11.8 8.8 13.2

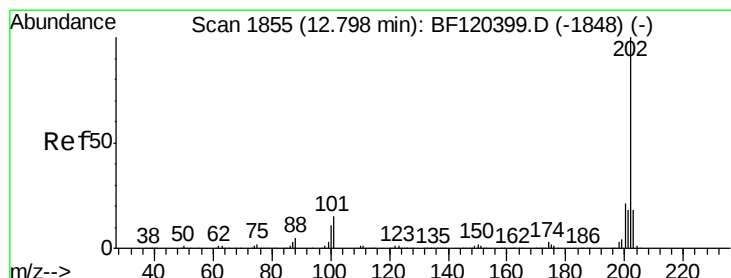
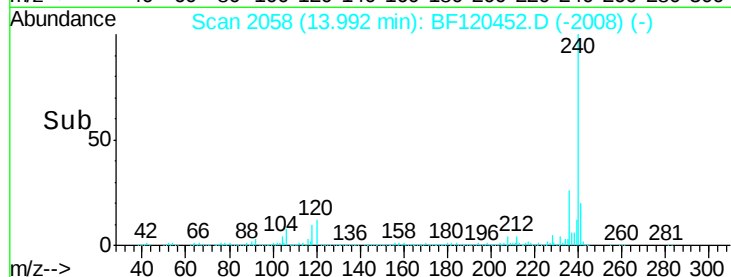
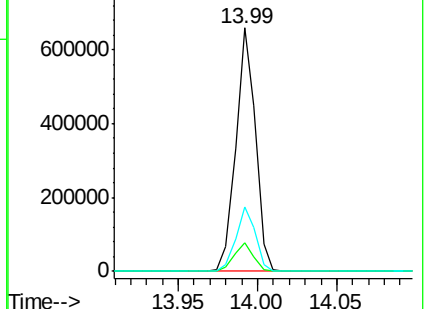
236 26.3 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 6.308 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

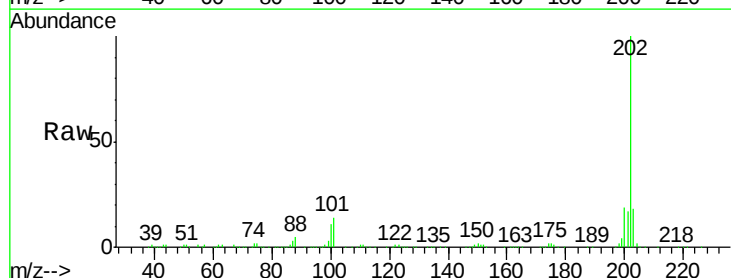
Tgt Ion:202 Resp: 247658

Ion Ratio Lower Upper

202 100

200 19.1 17.0 25.4

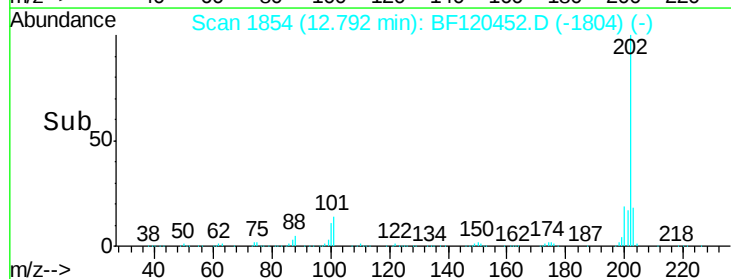
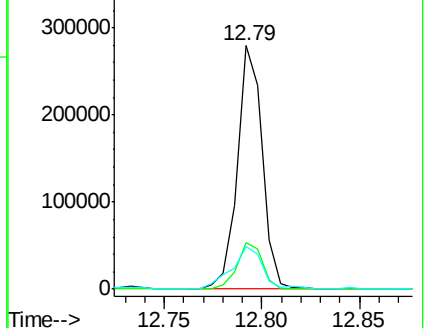
203 17.8 14.7 22.1

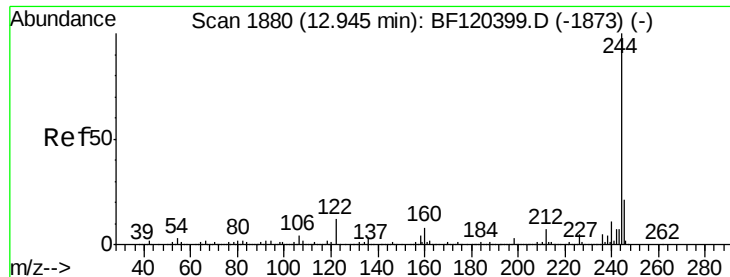


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.006 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

Instrument :

BNA_F

ClientSampleId :

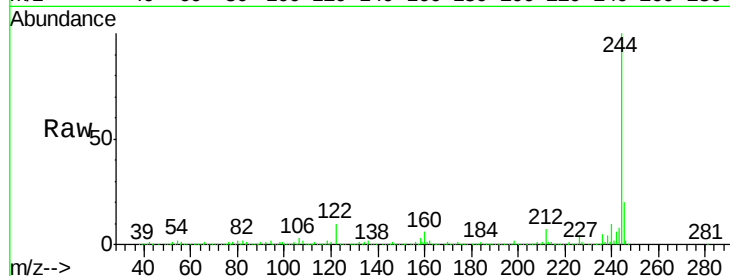
Tot Ion:244 Resp: 1547641

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

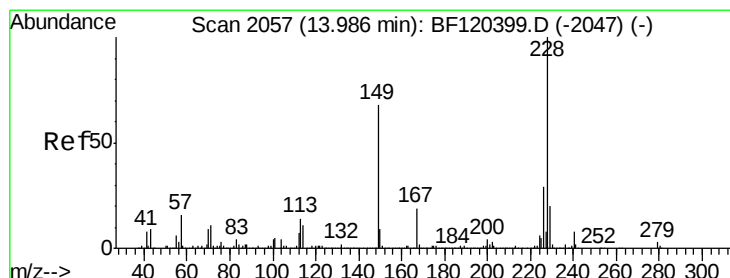
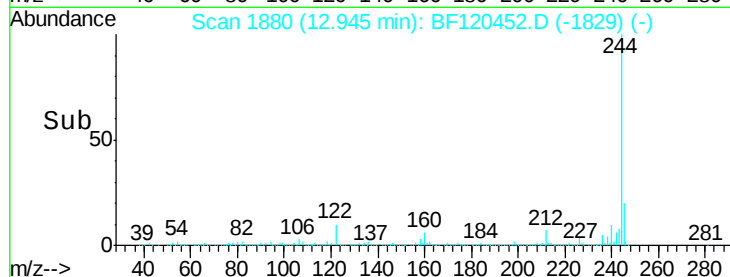
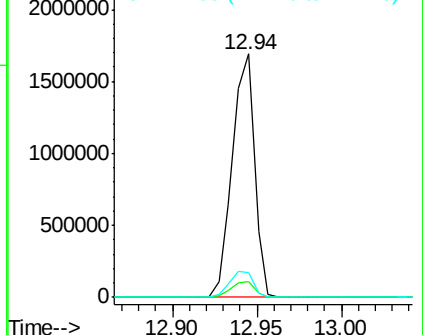
122 10.3 9.2 13.8



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



#81

Benzo(a)anthracene

Concen: 4.391 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120452.D

Acq: 29 May 2020 21:12

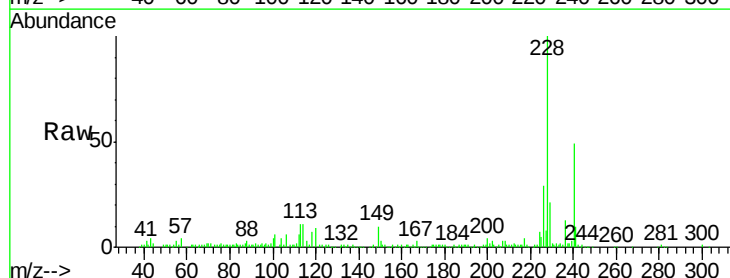
Tgt Ion:228 Resp: 132851

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.4

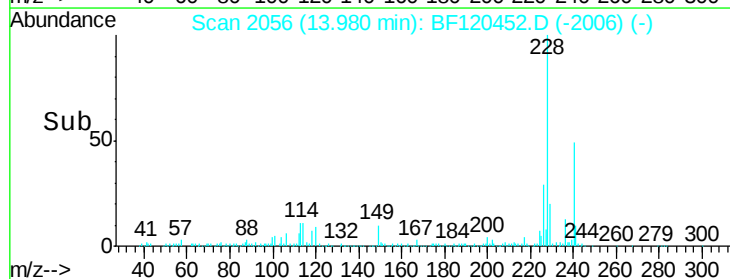
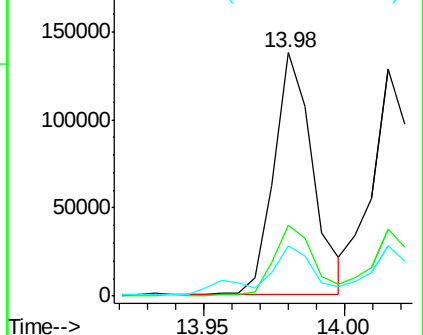
229 20.7 16.2 24.4

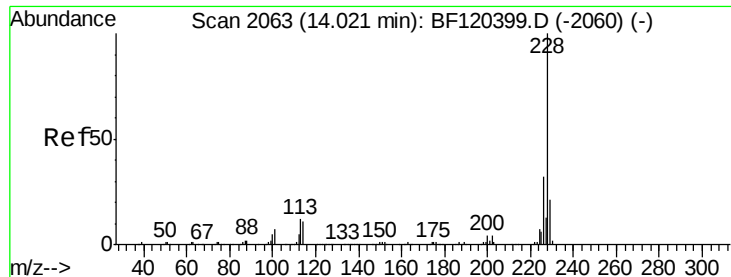


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

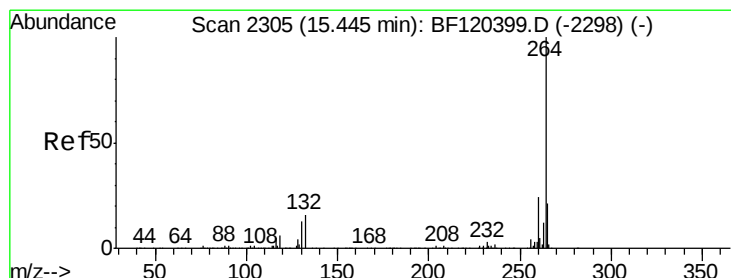
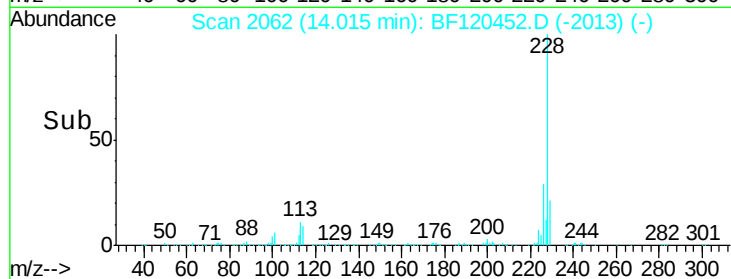
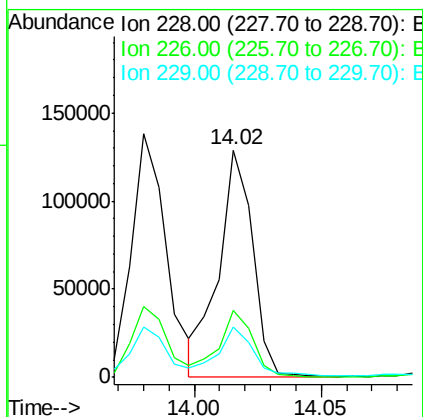
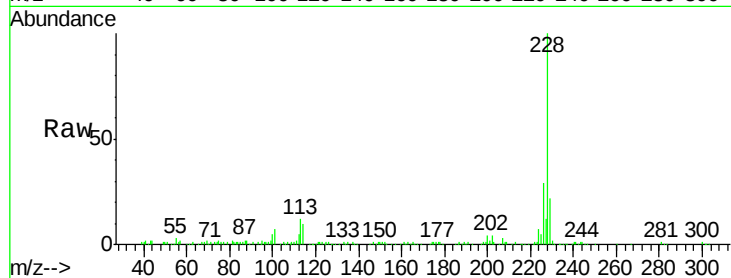




#83
 Chrvsene
 Concen: 3.765 ng
 RT: 14.02 min Scan# 2062
 Delta R.T. -0.01 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

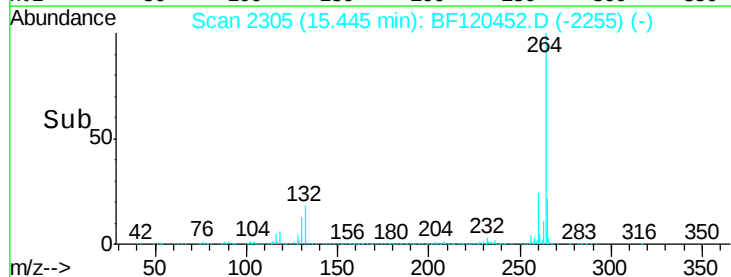
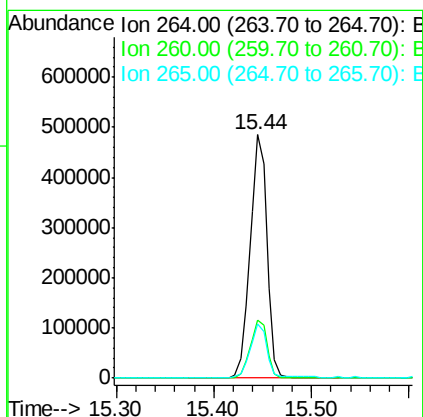
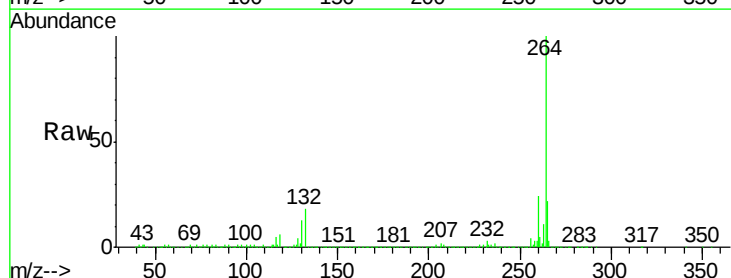
Instrument :
 BNA_F
 ClientSampleId :

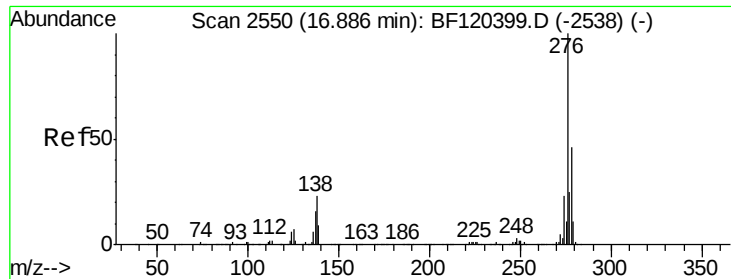
Tot Ion:228 Resp: 119425
 Ion Ratio Lower Upper
 228 100
 226 29.5 25.6 38.4
 229 22.0 16.6 25.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Tgt Ion:264 Resp: 589710
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.2 16.9 25.3

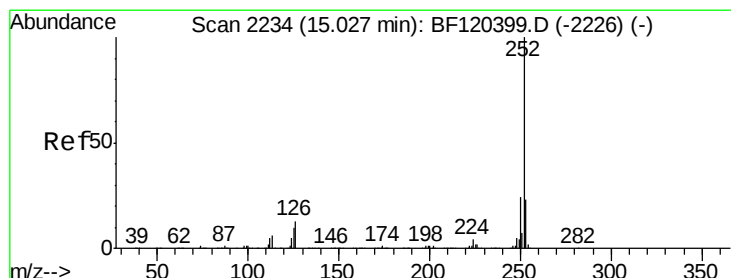
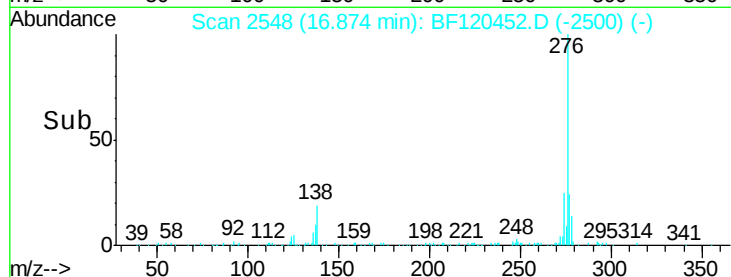
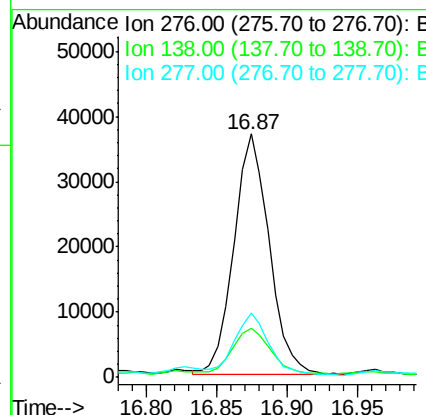
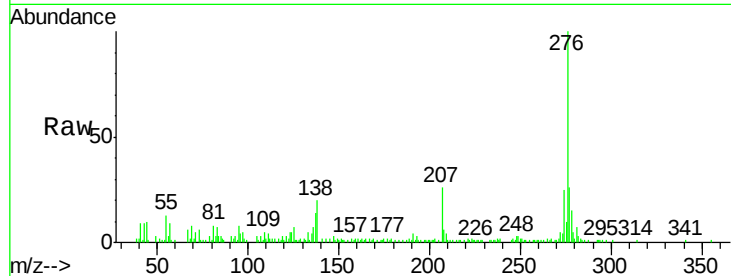




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.011 ng
 RT: 16.87 min Scan# 2548
 Delta R.T. -0.02 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

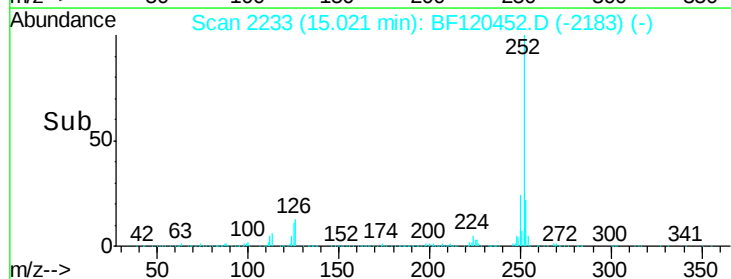
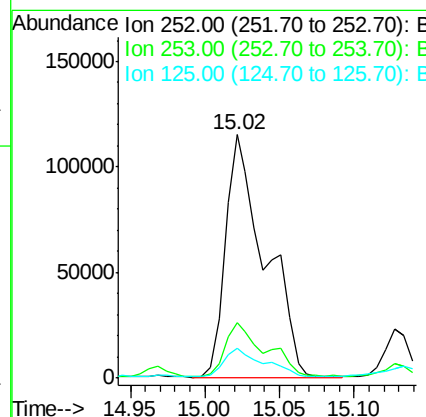
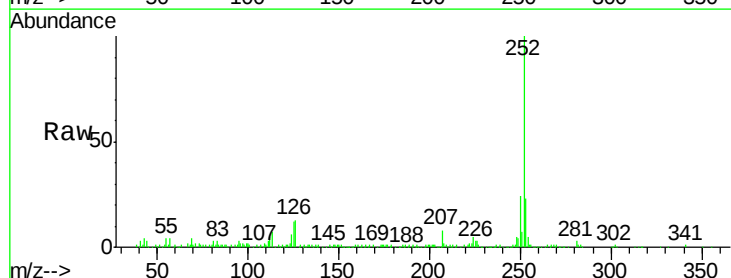
Instrument :
 BNA_F
 ClientSampleId :

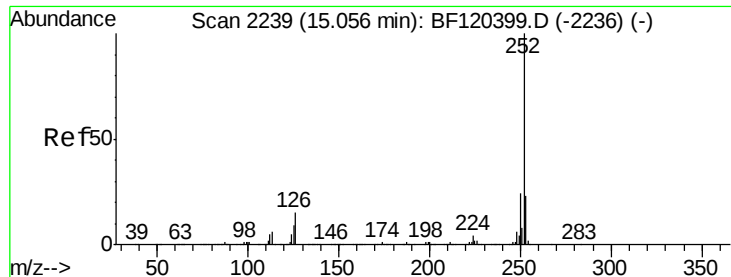
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.4	30.6
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.460 ng
 RT: 15.02 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	12.2	7.8	11.8

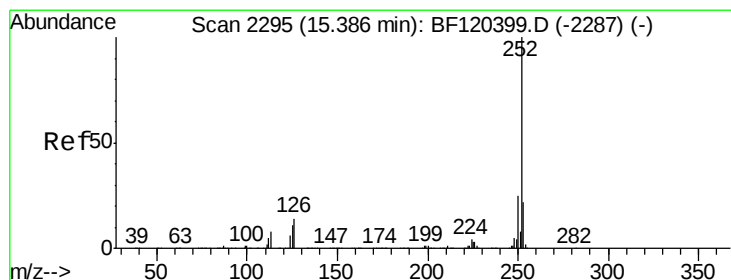
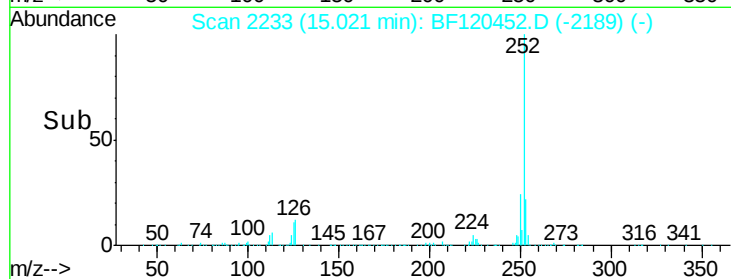
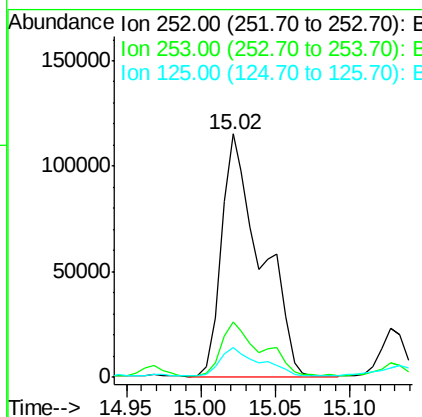
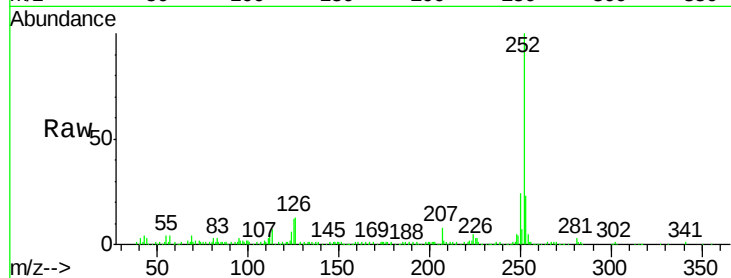




#89
Benzo(k)fluoranthene
Concen: 6.920 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

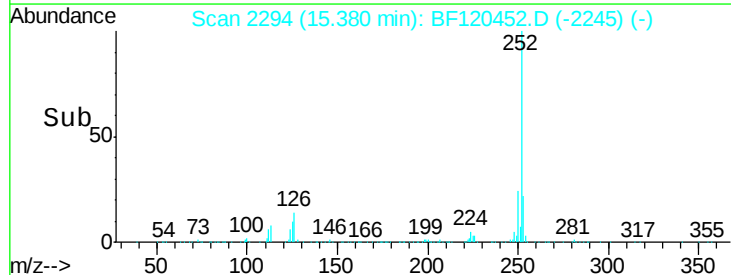
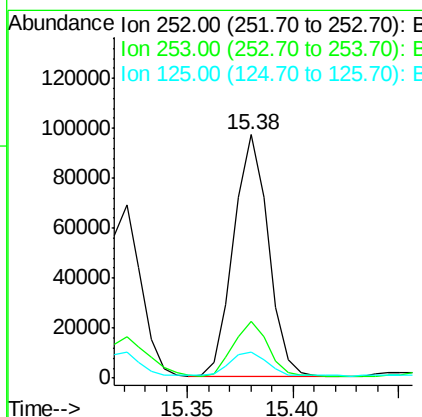
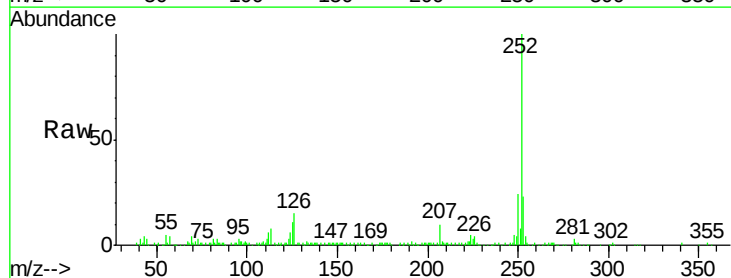
Instrument :
BNA_F
ClientSampleId :

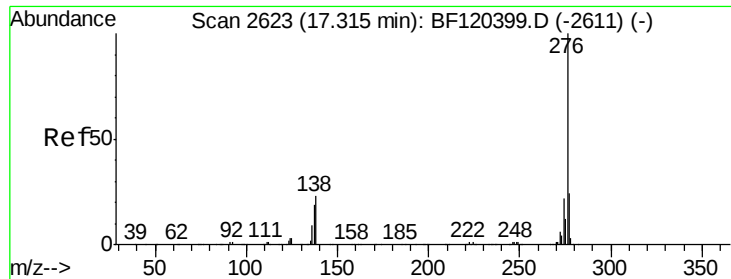
Tot Ion:252 Resp: 211607
Ion Ratio Lower Upper
252 100
253 22.8 18.5 27.7
125 12.2 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 3.870 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120452.D
Acq: 29 May 2020 21:12

Tgt Ion:252 Resp: 110873
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.8 8.7 13.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.404 ng
 RT: 17.31 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF120452.D
 Acq: 29 May 2020 21:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.7	19.5	29.3	
138	20.4	18.1	27.1	

