

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120054.D
 Acq On : 17 Apr 2020 12:59
 Operator : MA/SJ
 Sample : L2245-34
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Quant Time: Apr 17 13:31:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	191991	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	692712	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	311185	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	463558	20.00	ng	0.00
76) Chrysene-d12	13.90	240	318871	20.00	ng	0.00
87) Perylene-d12	15.33	264	301696	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1086870	97.83	ng	0.01
7) Phenol-d6	6.37	99	1395429	97.48	ng	0.00
23) Nitrobenzene-d5	7.29	82	886315	66.19	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	279501	73.36	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1593401	72.70	ng	0.00
79) Terphenyl-d14	12.84	244	1225773	64.68	ng	0.00

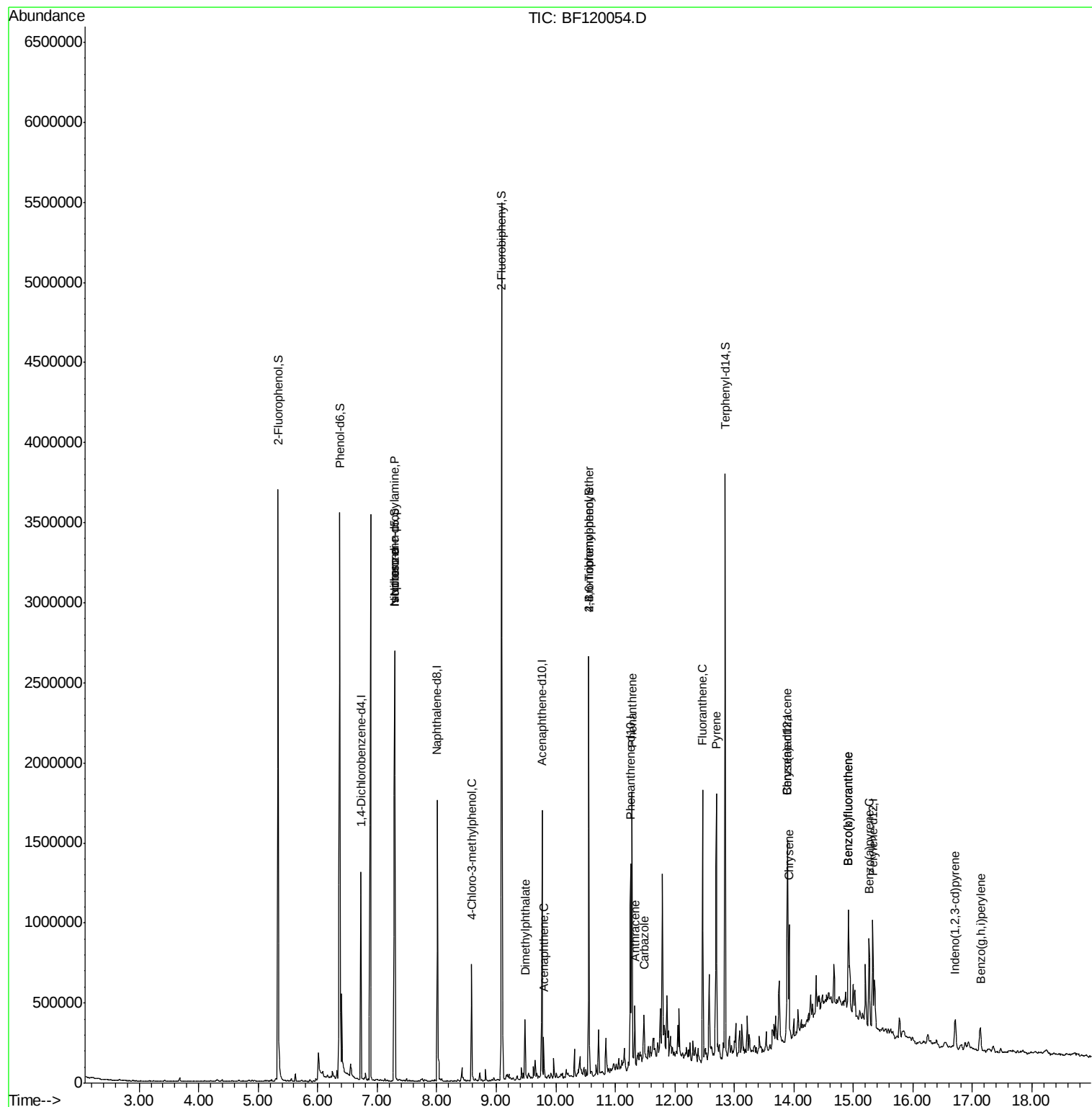
Target Compounds				Qvalue		
9) Benzaldehyde	6.27	77	1599	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.29	70	116499	12.656	ng	# 77
25) Isophorone	7.29	82	876155	33.944	ng	# 65
36) 4-Chloro-3-methylphenol	8.59	107	76007	6.748	ng	# 21
50) Dimethylphthalate	9.49	163	141032	5.859	ng	99
52) Acenaphthene	9.80	154	43756	2.132	ng	94
67) 4-Bromophenyl-phenylether	10.56	248	17213	2.986	ng	# 1
71) Phenanthrene	11.28	178	592761	24.027	ng	100
72) Anthracene	11.33	178	123828	4.913	ng	100
73) Carbazole	11.49	167	50369	2.113	ng	98
75) Fluoranthene	12.47	202	627259	23.564	ng	97
78) Pvrene	12.70	202	649030	24.144	ng	100
81) Benzo(a)anthracene	13.89	228	297623	14.188	ng	98
83) Chrysene	13.92	228	258731	12.139	ng	97
86) Indeno(1,2,3-cd)pyrene	16.71	276	123145	6.554	ng	95
88) Benzo(b)fluoranthene	14.92	252	412692	19.015	ng	98
89) Benzo(k)fluoranthene	14.92	252	412692	22.038	ng	98
90) Benzo(a)pyrene	15.26	252	232809	12.758	ng	97
92) Benzo(a,h,i)perylene	17.13	276	113105	7.089	ng	96

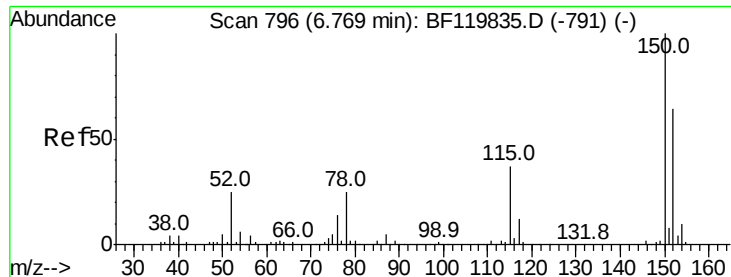
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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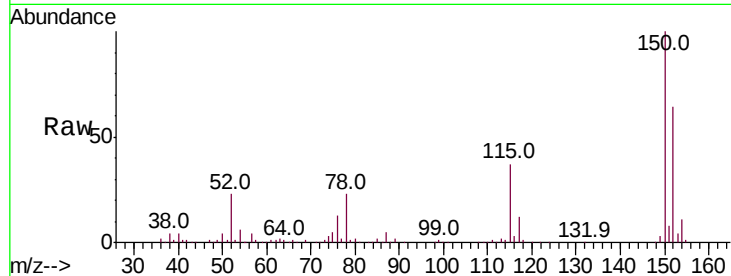


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.8	187.2
115	57.8	46.5	69.7

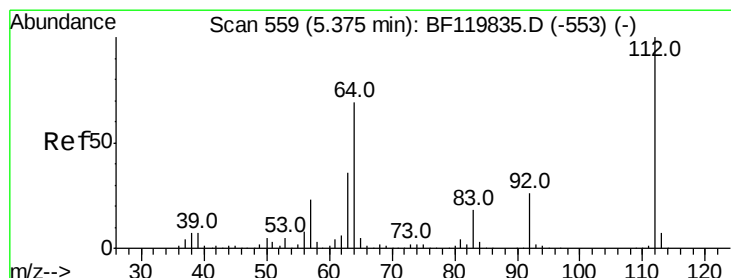
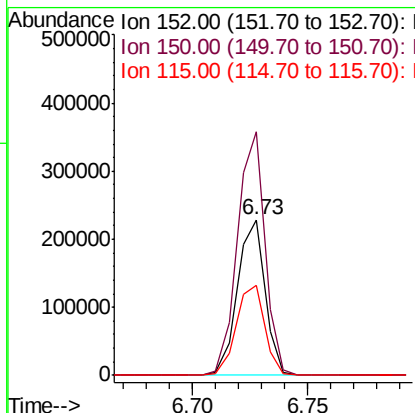
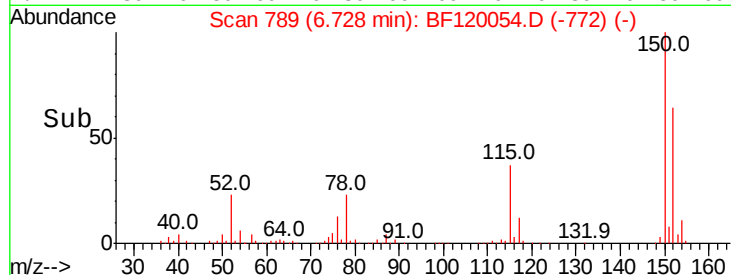


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

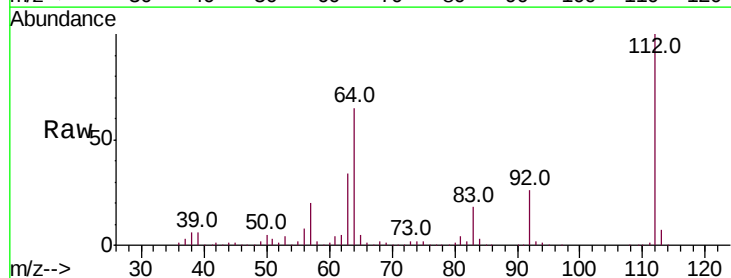
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 97.833 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	55.5	83.3
63	33.9	29.1	43.7

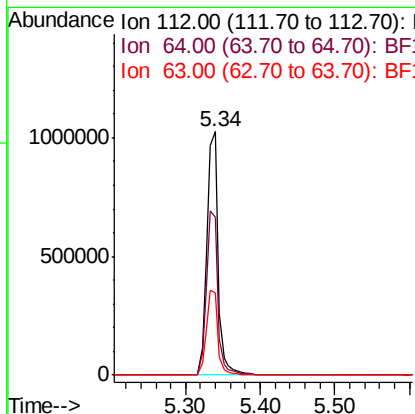
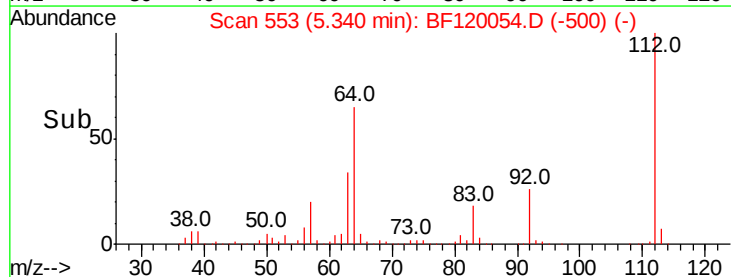


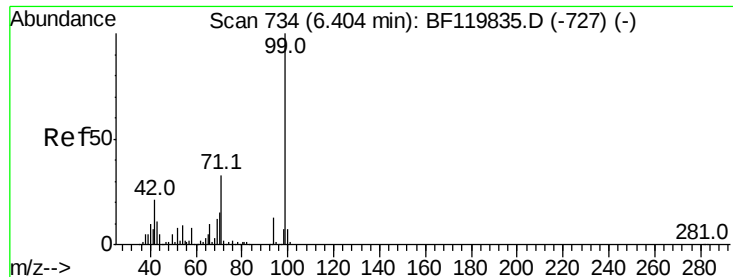
Abundance

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: 97.480 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampleId :

TP-27

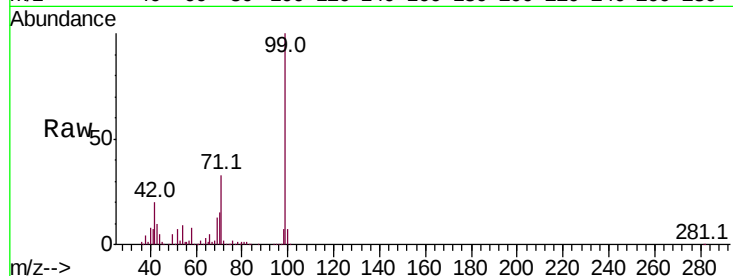
Tot Ion: 99 Resp: 1395429

Ion Ratio Lower Upper

99 100

42 19.8 16.9 25.3

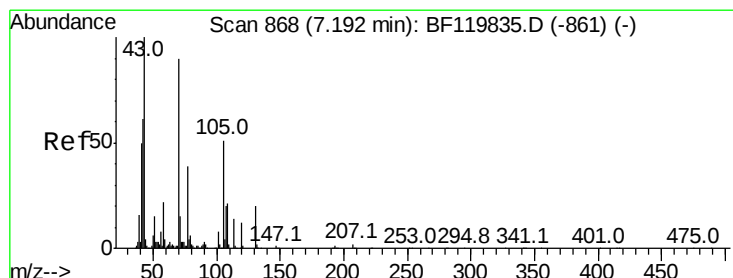
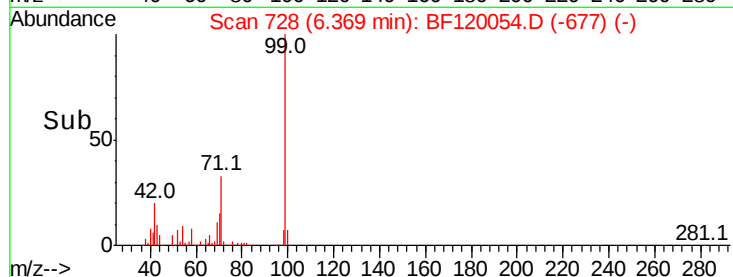
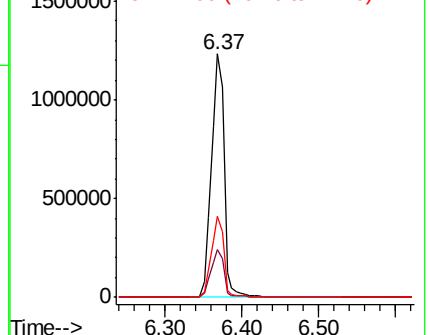
71 33.2 26.3 39.5



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: 12.656 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Tgt Ion: 70 Resp: 116499

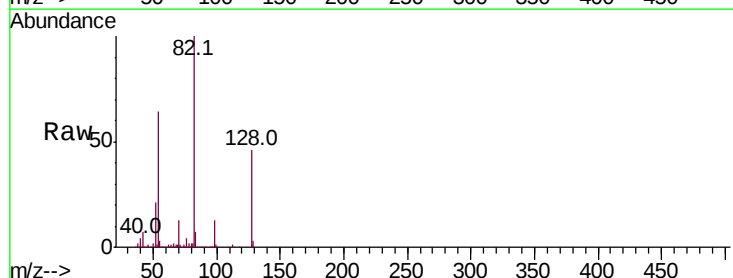
Ion Ratio Lower Upper

70 100

42 54.2 54.2 81.4

101 0.0 7.4 11.2#

130 2.3 17.8 26.6#

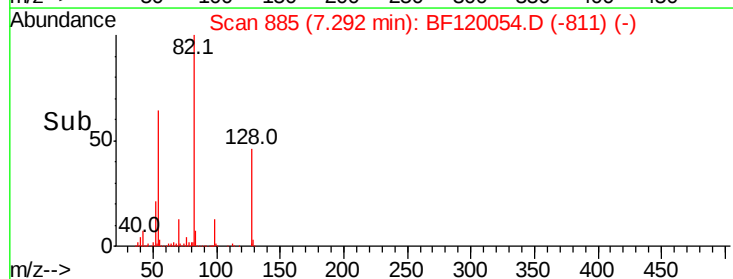
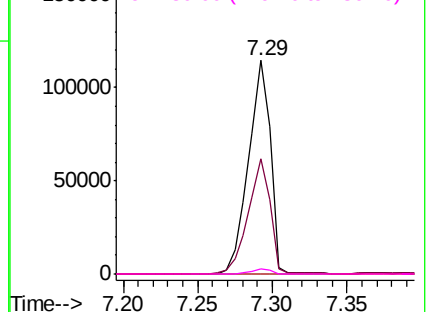


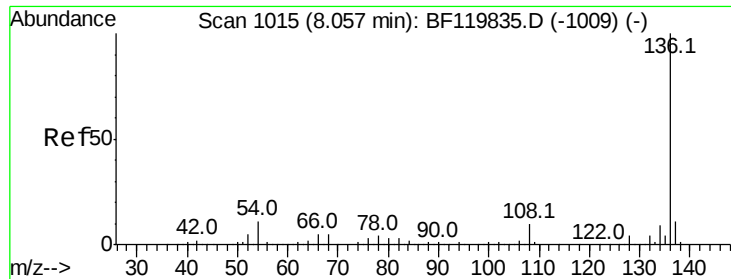
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

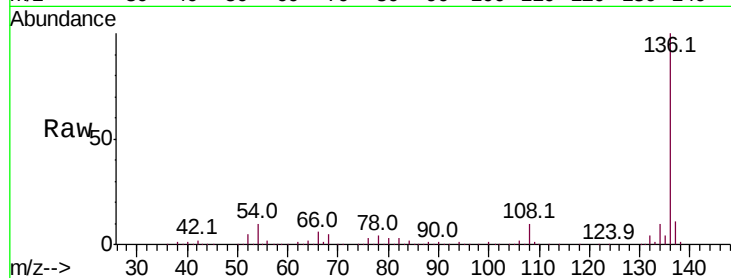




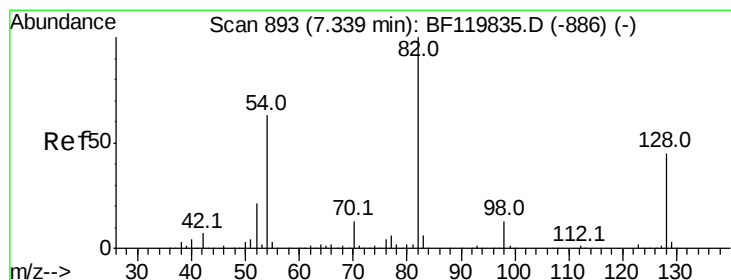
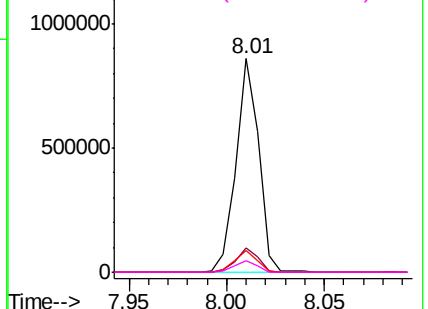
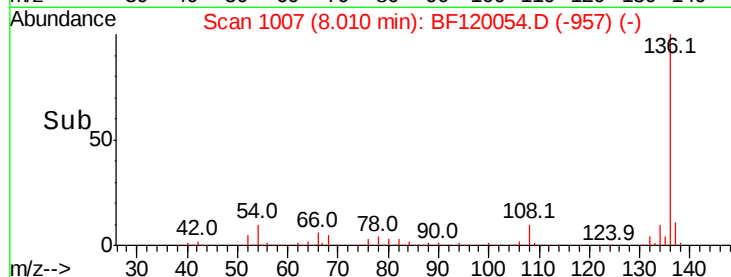
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion:	136	Resp:	692712
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.3	8.5	12.7
68	5.5	3.9	5.9

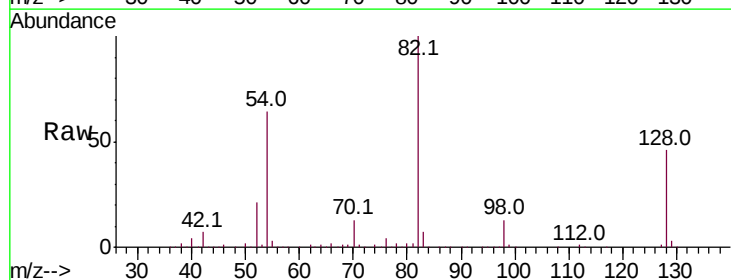


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

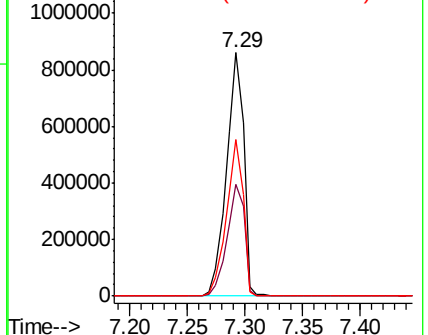
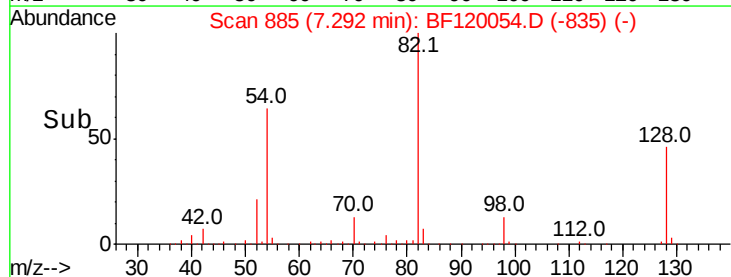


#23
Nitrobenzene-d5
Concen: 66.192 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion:	82	Resp:	886315
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.2	54.4
54	64.3	50.4	75.6



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: 33.944 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampled :

TP-27

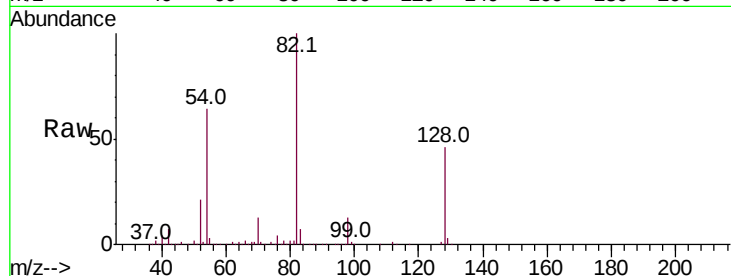
Tot Ion: 82 Resp: 876155

Ion Ratio Lower Upper

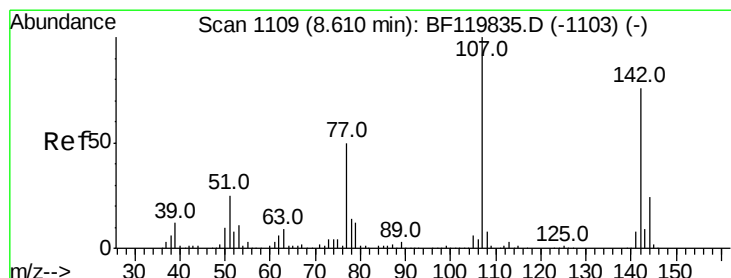
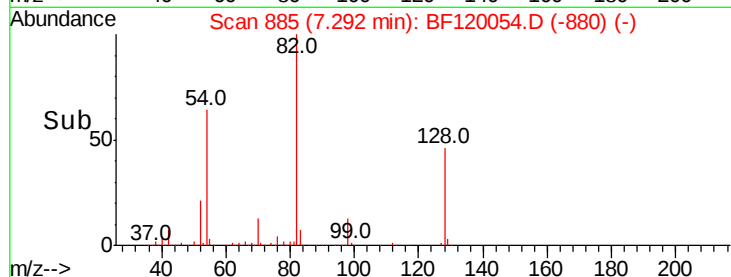
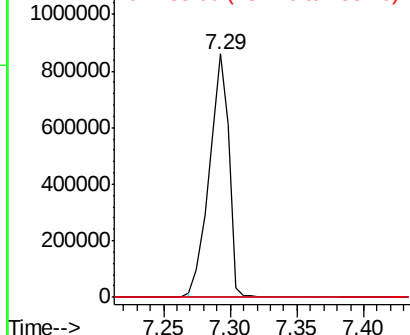
82 100

95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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



#36

4-Chloro-3-methylphenol

Concen: 6.748 ng

RT: 8.59 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

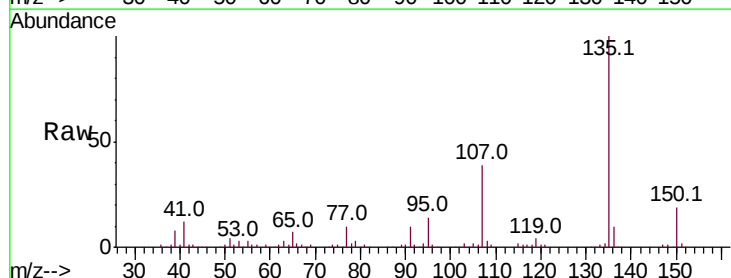
Tgt Ion:107 Resp: 76007

Ion Ratio Lower Upper

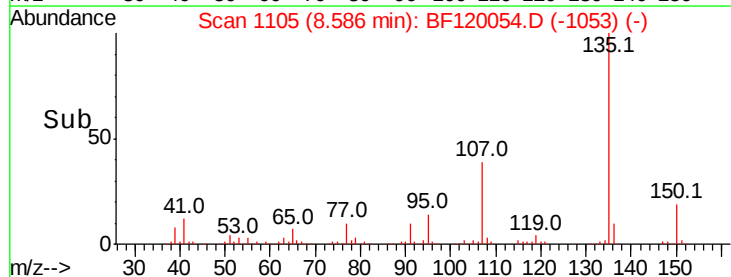
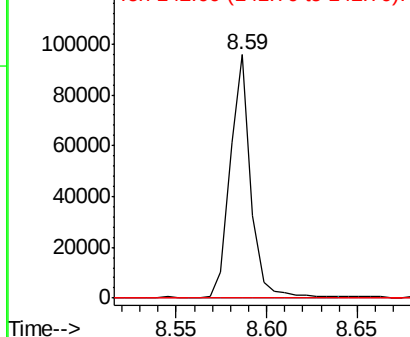
107 100

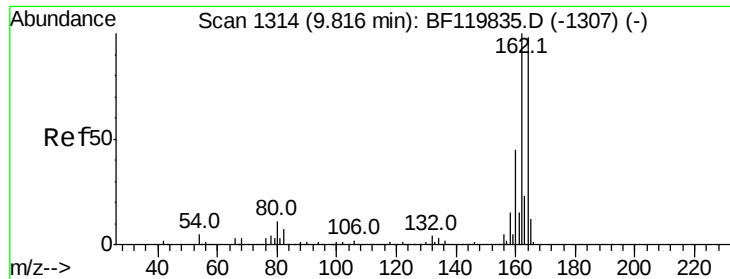
144 0.0 19.5 29.3#

142 0.0 60.5 90.7#



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

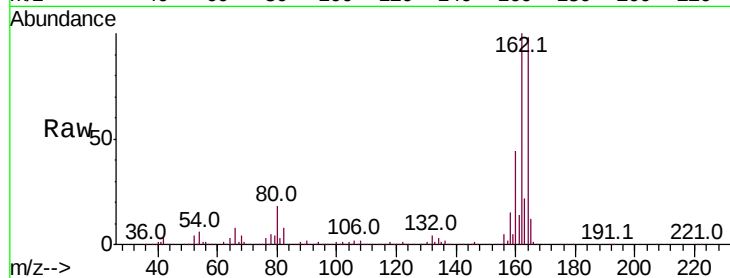




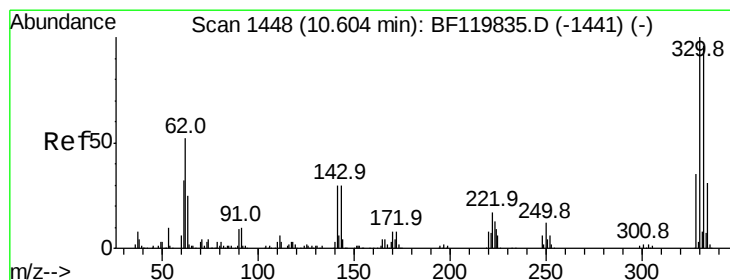
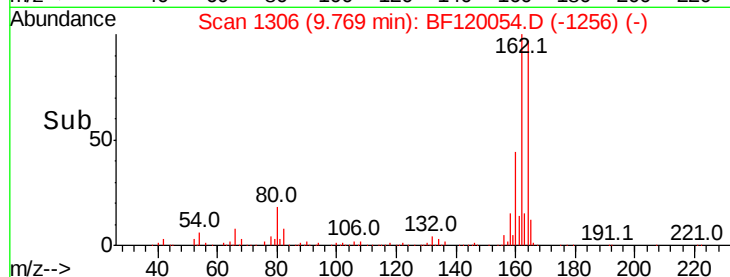
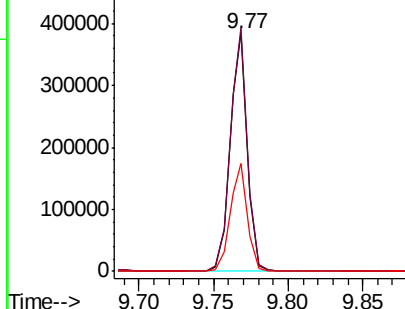
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion:164 Resp: 311185
Ion Ratio Lower Upper
164 100
162 102.2 81.9 122.9
160 45.4 36.6 54.8

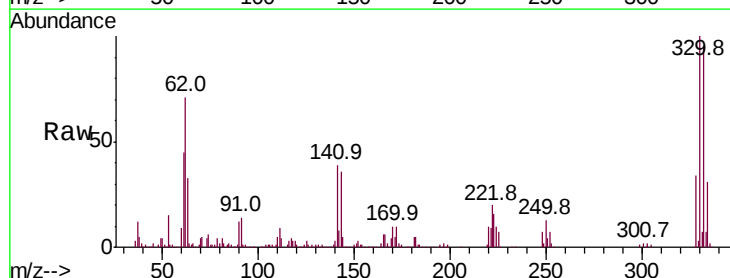


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

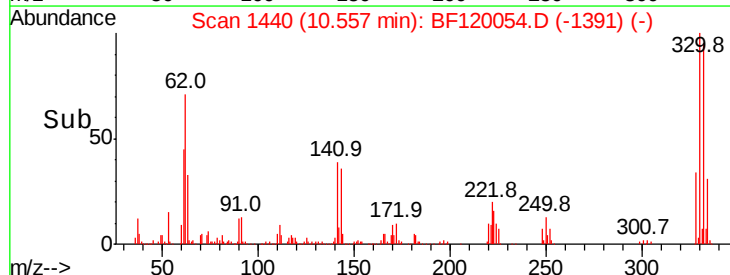
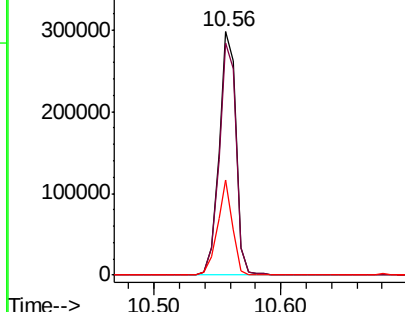


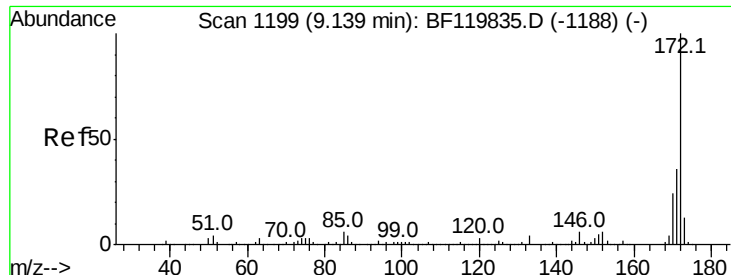
#42
2,4,6-Tribromophenol
Concen: 73.361 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion:330 Resp: 279501
Ion Ratio Lower Upper
330 100
332 96.0 76.8 115.2
141 35.4 25.1 37.7



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



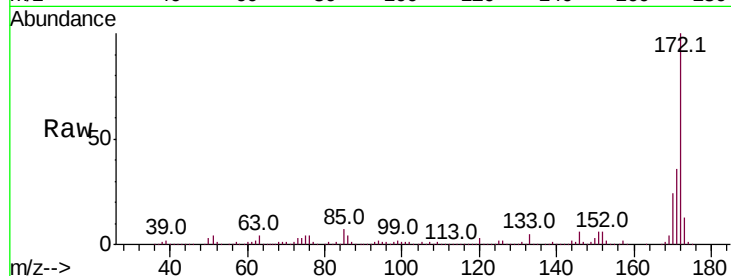


#45
 2-Fluorobiphenyl
 Concen: 72.699 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

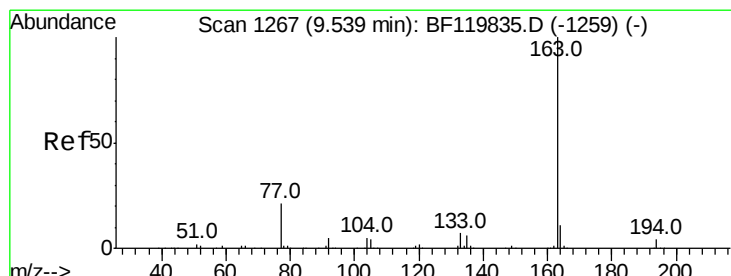
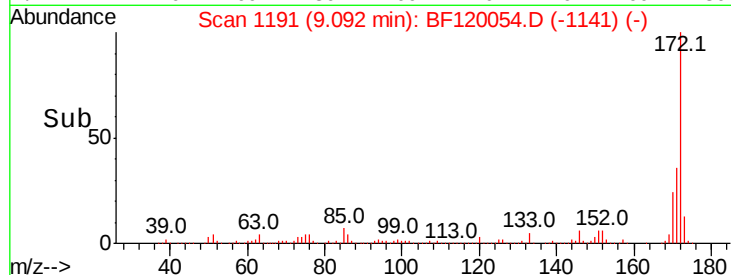
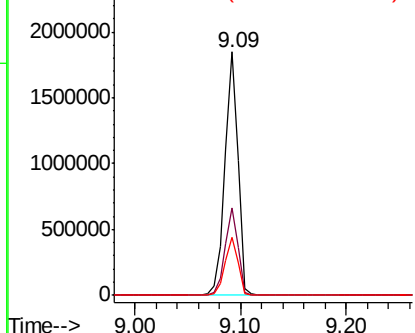
Instrument :
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Tot Ion:172 Resp: 1593401

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.8	19.4	29.2



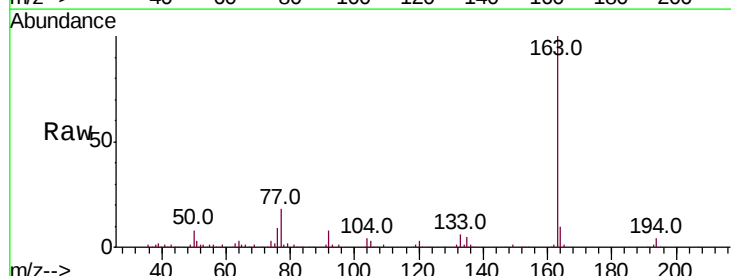
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



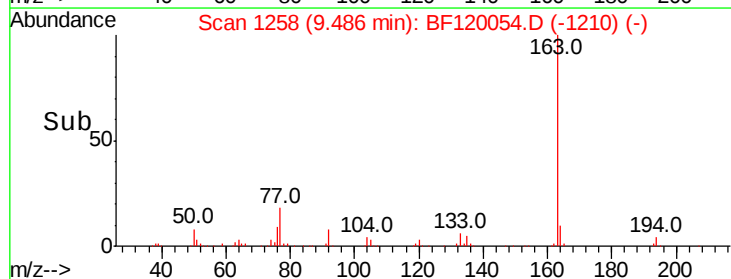
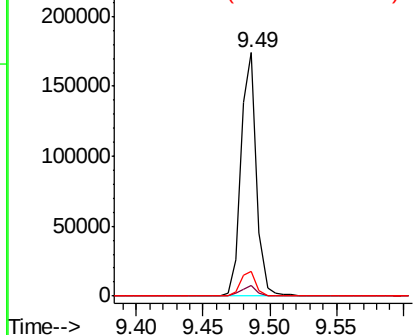
#50
 Dimethylphthalate
 Concen: 5.859 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.02 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

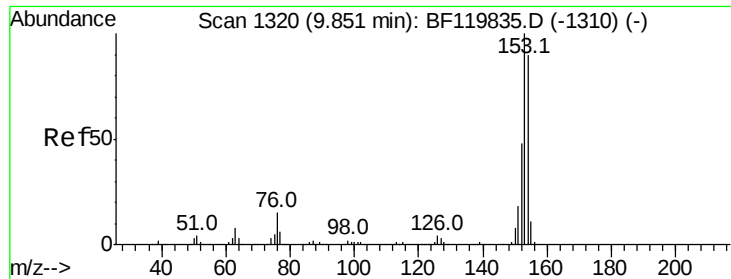
Tgt Ion:163 Resp: 141032

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.4	8.4	12.6



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





#52

Acenaphthene

Concen: 2.132 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampleId :

TP-27

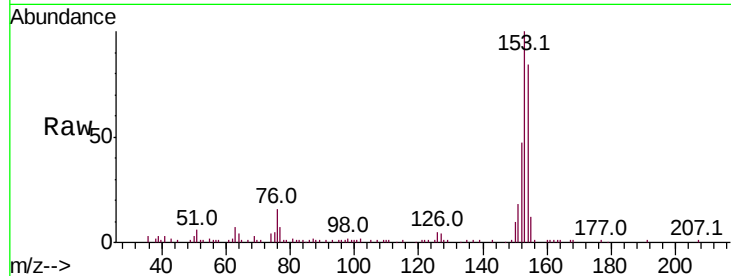
Tot Ion:154 Resp: 43756

Ion Ratio Lower Upper

154 100

153 119.2 88.8 133.2

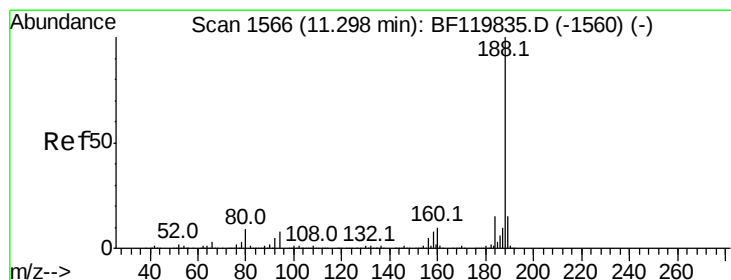
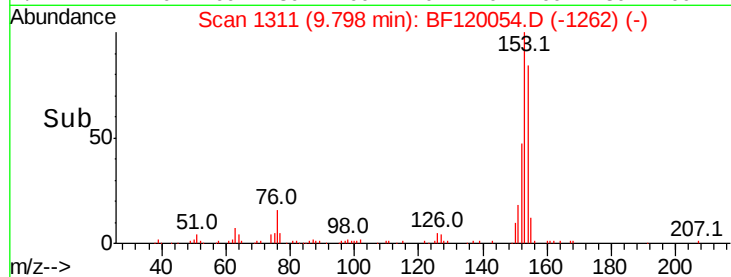
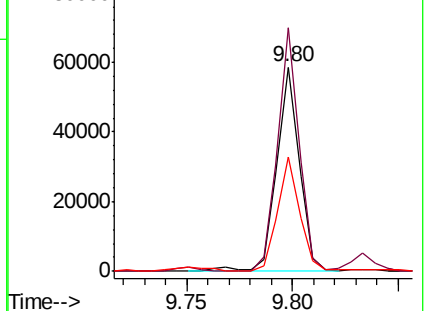
152 55.7 42.4 63.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

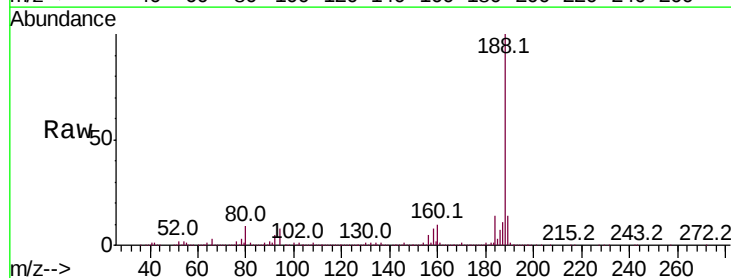
Tgt Ion:188 Resp: 463558

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

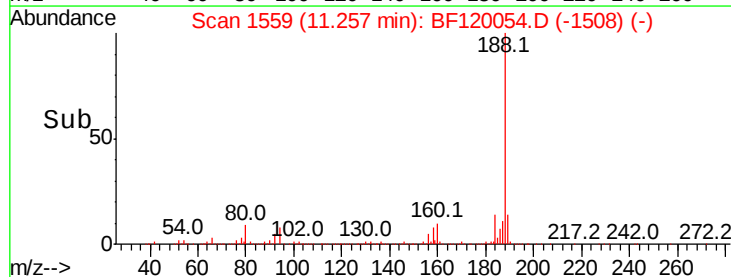
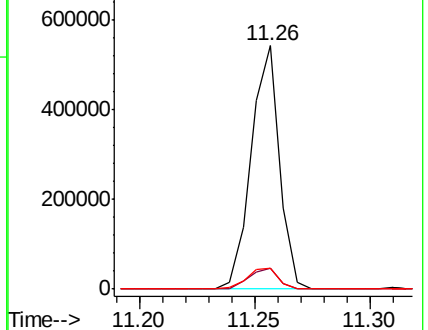
80 8.7 7.4 11.2

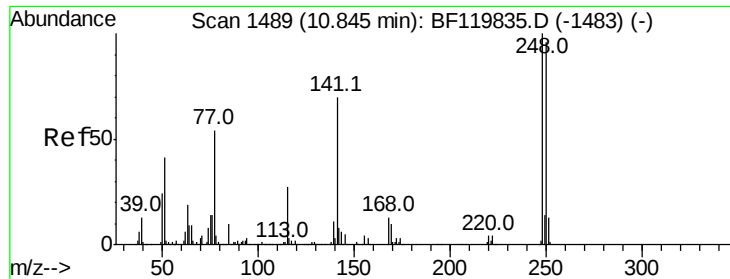


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

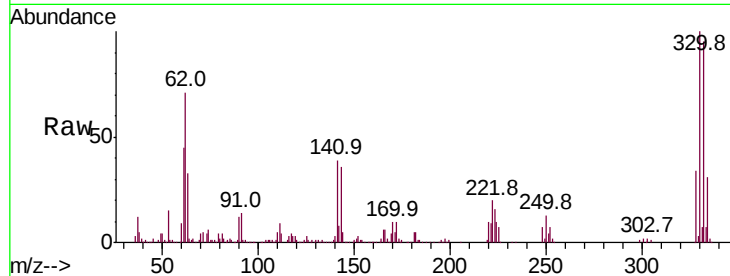




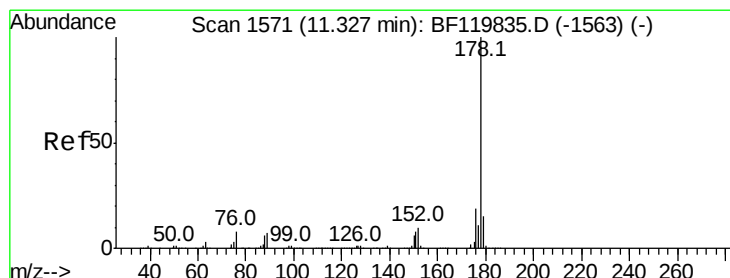
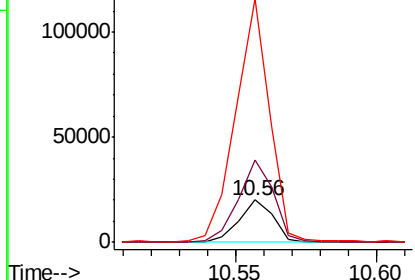
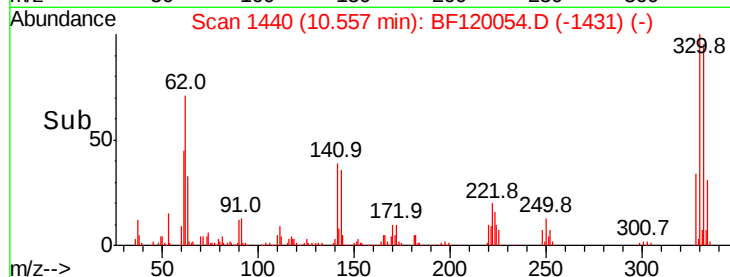
#67
 4-Bromophenyl-phenylether
 Concen: 2.986 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion:248 Resp: 17213
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.6 114.8#
 141 573.8 55.9 83.9#

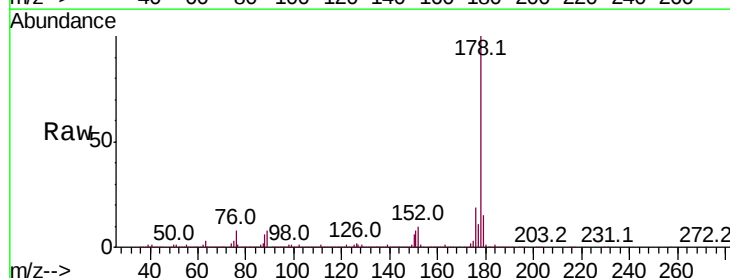


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

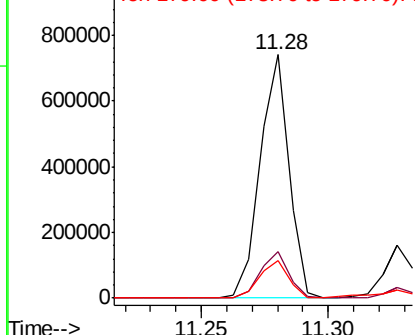
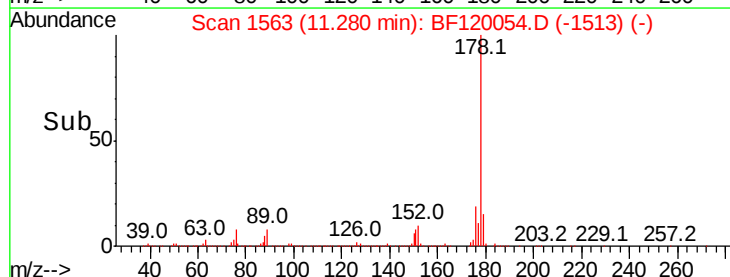


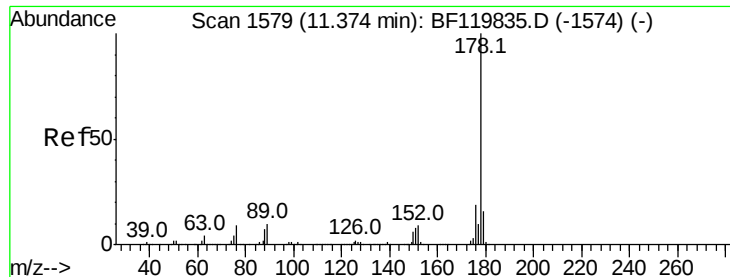
#71
 Phenanthrene
 Concen: 24.027 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Tgt Ion:178 Resp: 592761
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 15.5 12.2 18.4



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





#72

Anthracene

Concen: 4.913 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampleId :

TP-27

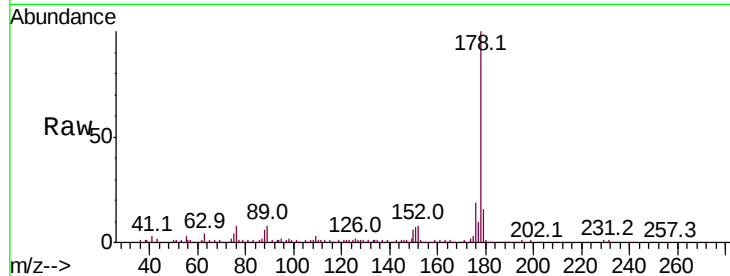
Tot Ion:178 Resp: 123828

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

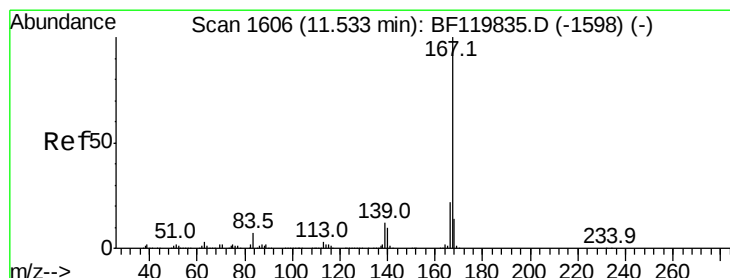
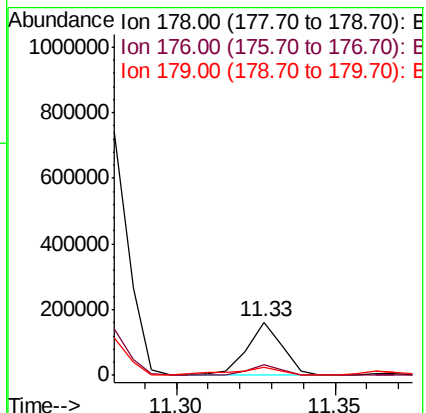
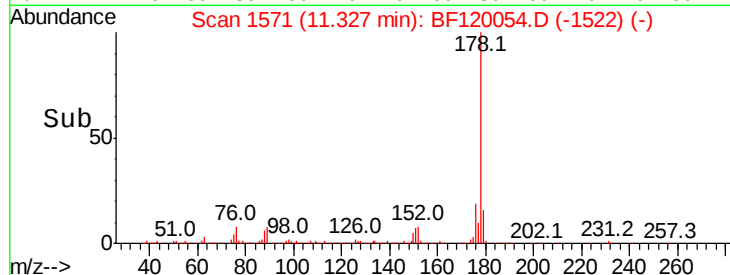
179 16.3 12.8 19.2



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



#73

Carbazole

Concen: 2.113 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

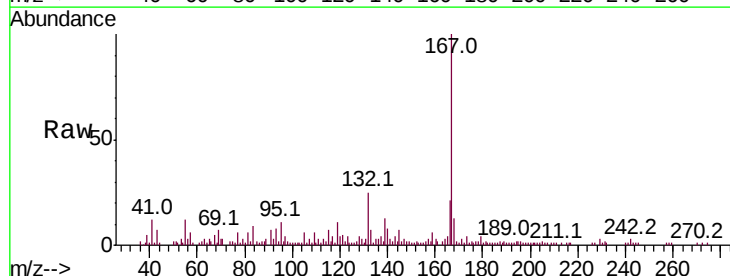
Tgt Ion:167 Resp: 50369

Ion Ratio Lower Upper

167 100

166 20.7 17.4 26.0

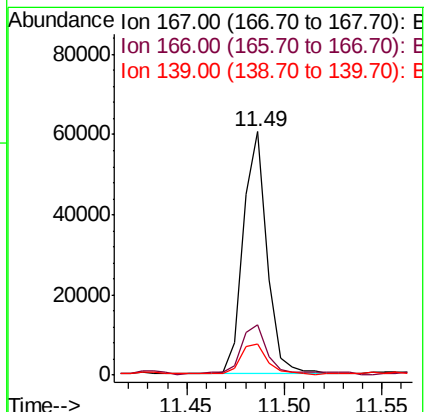
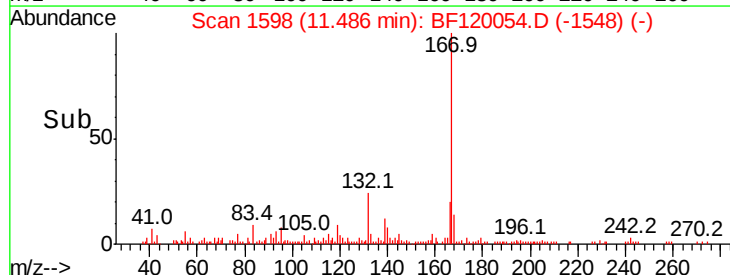
139 12.8 9.8 14.8

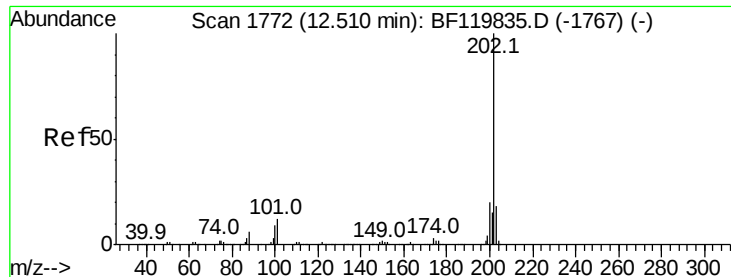


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 23.564 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampled :

TP-27

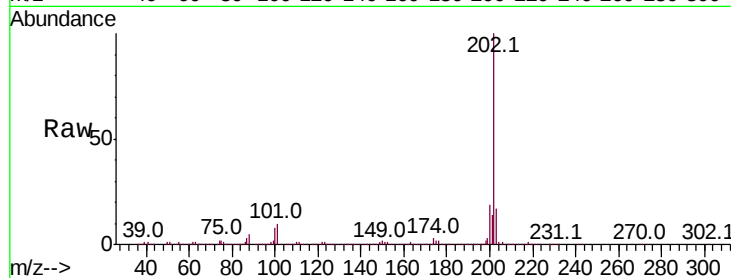
Tot Ion:202 Resp: 627259

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.3

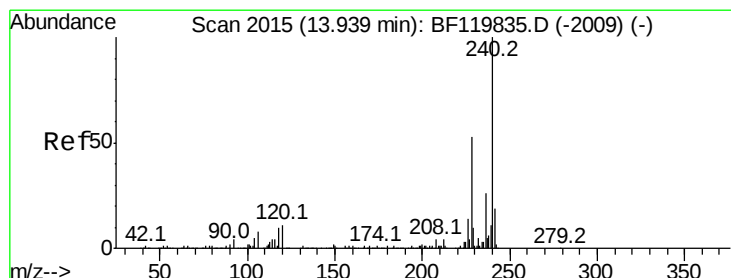
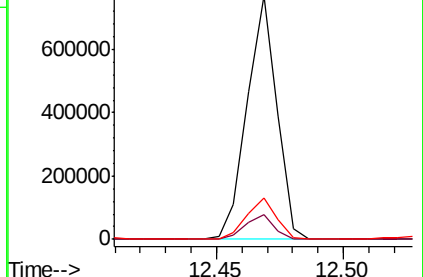
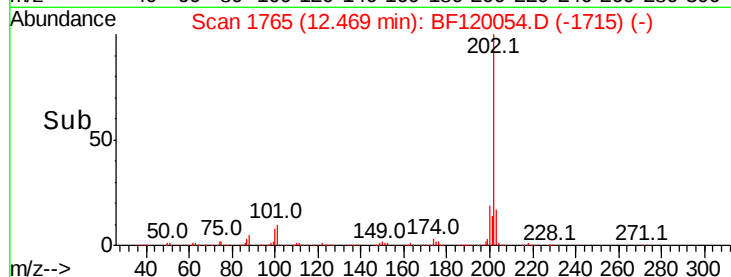
203 17.3 0.0 37.6



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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

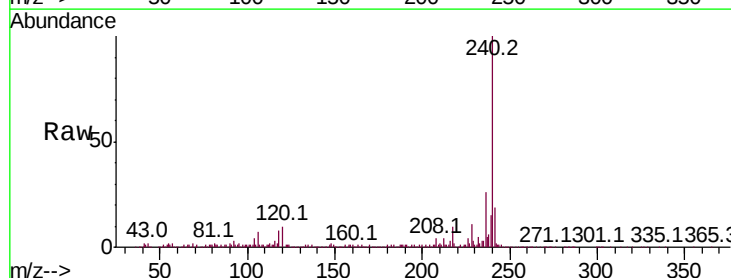
Tgt Ion:240 Resp: 318871

Ion Ratio Lower Upper

240 100

120 9.5 9.0 13.6

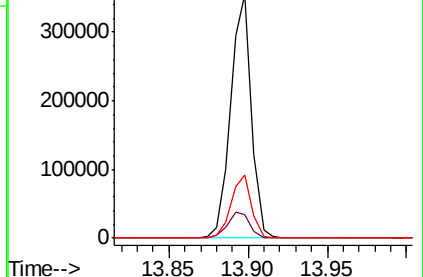
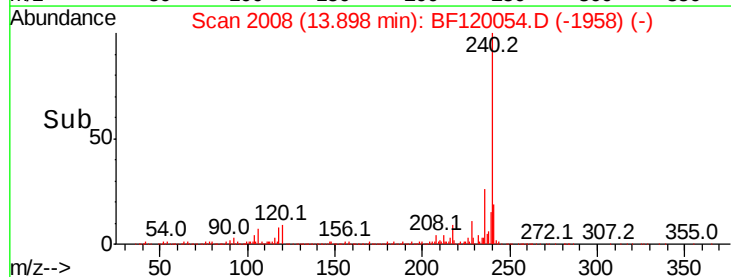
236 25.9 20.7 31.1

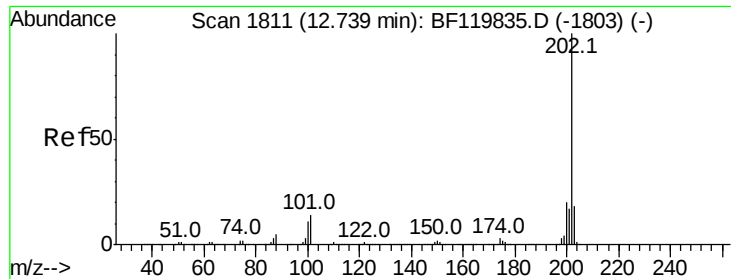


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 24.144 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

Instrument :

BNA_F

ClientSampleId :

TP-27

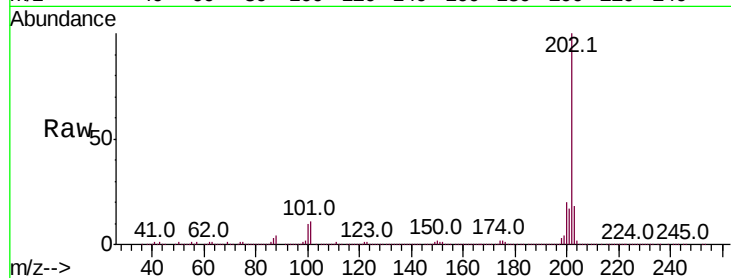
Tot Ion:202 Resp: 649030

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

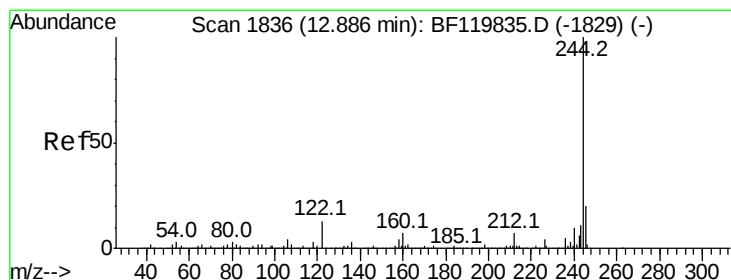
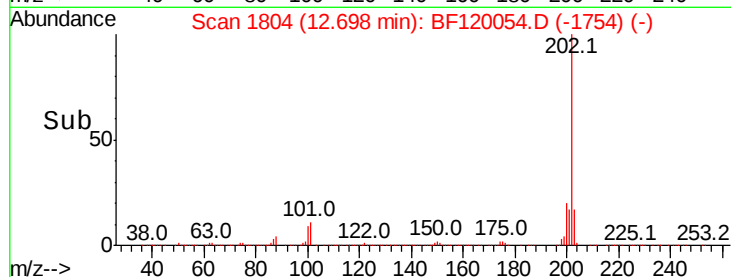
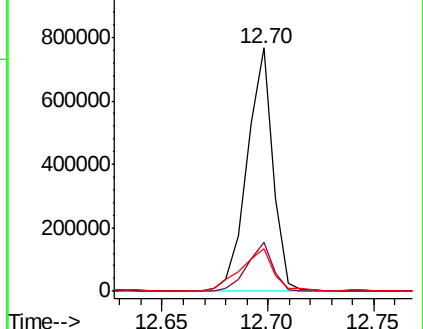
203 17.6 14.1 21.1



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: 64.683 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF120054.D

Acq: 17 Apr 2020 12:59

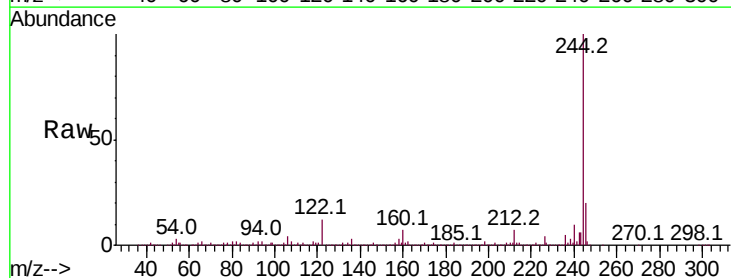
Tgt Ion:244 Resp: 1225773

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

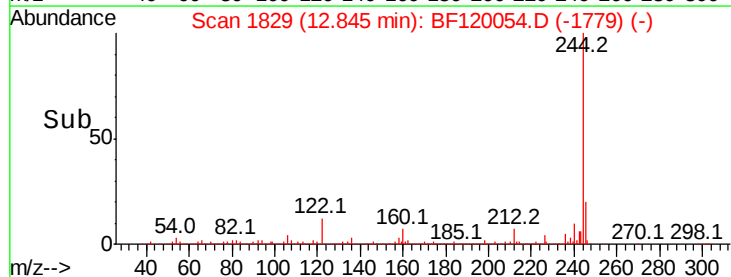
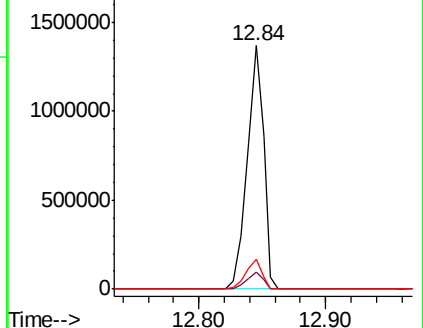
122 12.4 10.3 15.5

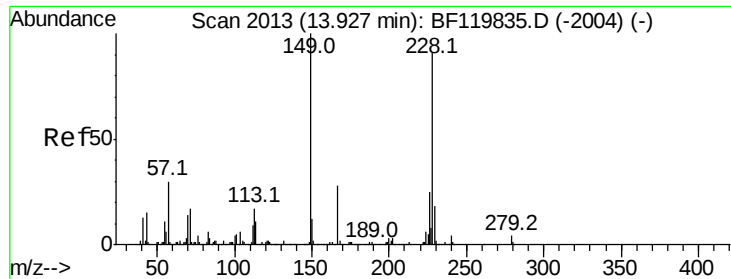


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

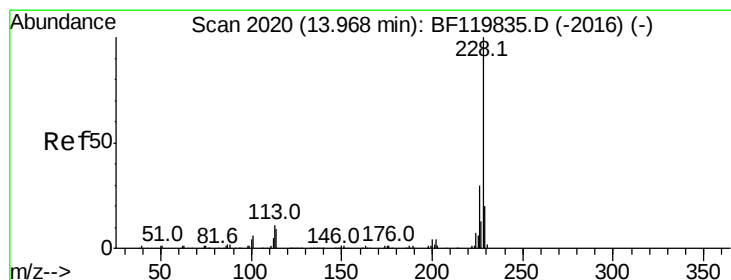
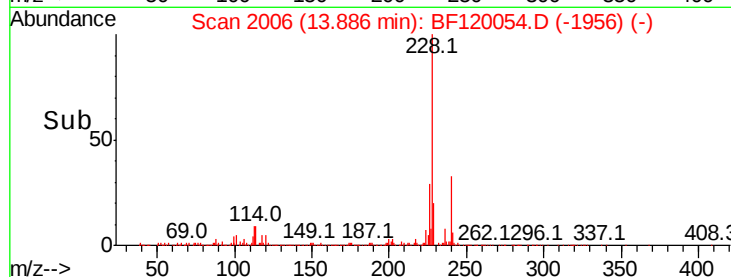
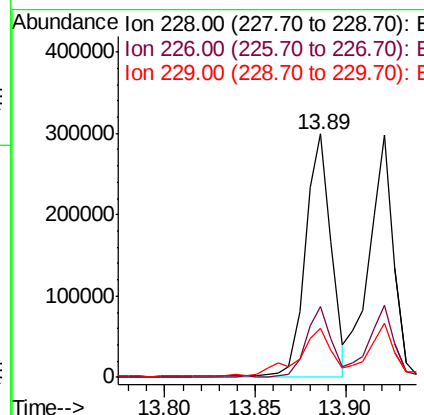
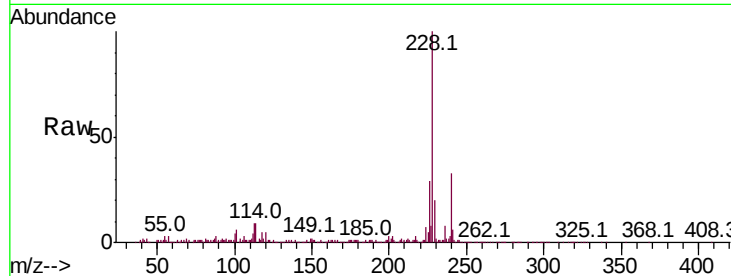




#81
Benzo(a)anthracene
Concen: 14.188 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

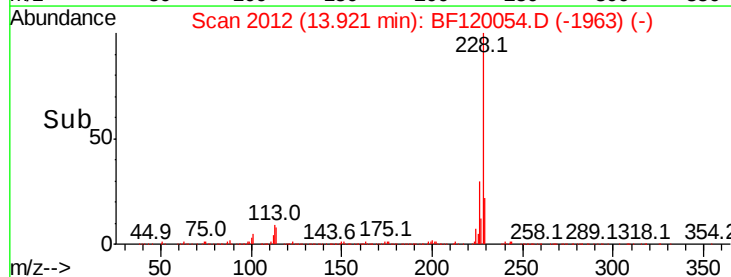
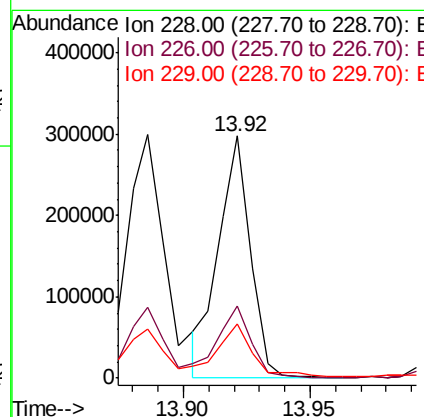
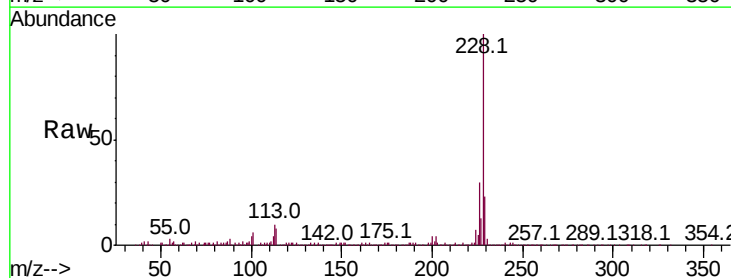
Instrument :
BNA_F
ClientSampleId :
TP-27

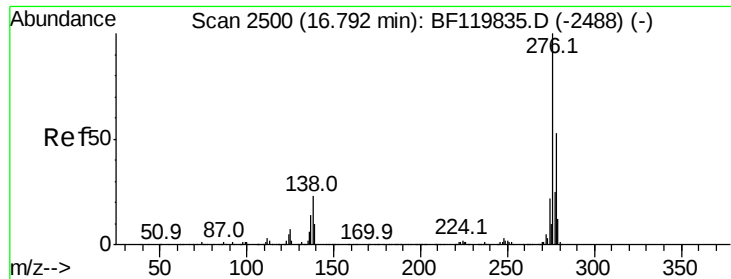
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.9	32.9
229	20.3	15.9	23.9



#83
Chrysene
Concen: 12.139 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	22.5	15.9	23.9

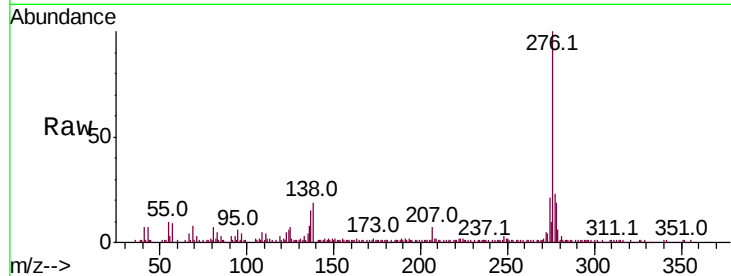




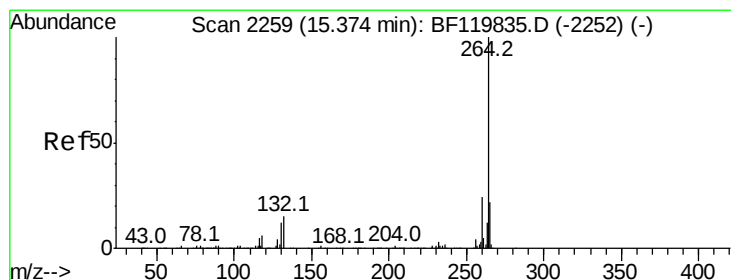
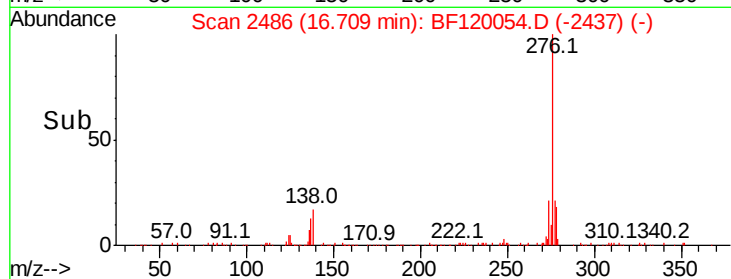
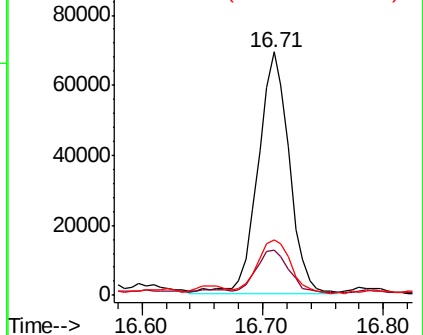
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.554 ng
 RT: 16.71 min Scan# 2486
 Delta R.T. -0.01 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion:	276	Resp:	123145
Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.0	27.0
277	23.7	20.1	30.1

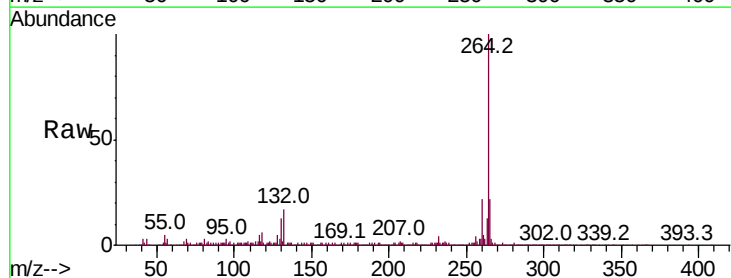


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

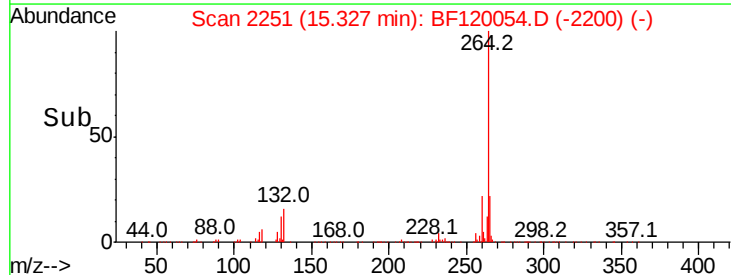
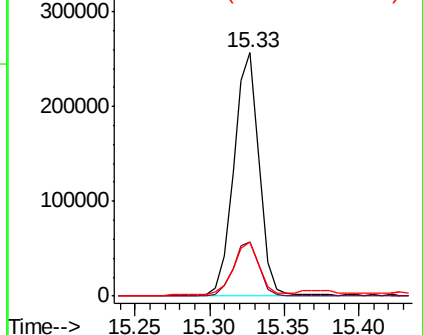


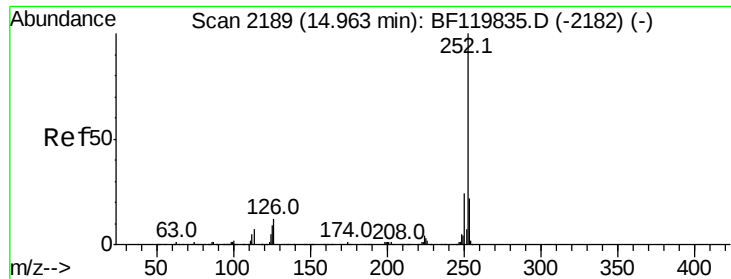
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: BF120054.D
 Acq: 17 Apr 2020 12:59

Tgt Ion:	264	Resp:	301696
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	22.3	17.6	26.4



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

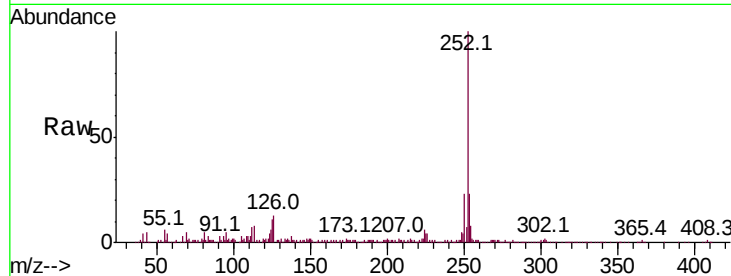




#88
Benzo(b)fluoranthene
Concen: 19.015 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampleId :
TP-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.0	7.4	11.2

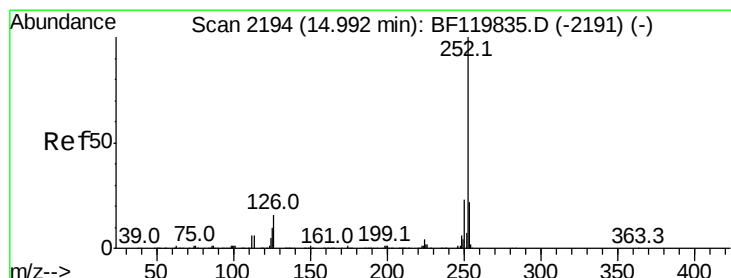
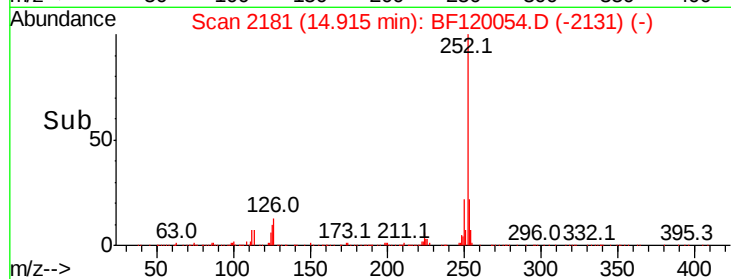
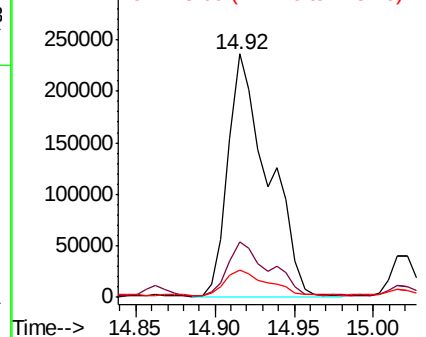


Abundance

Ion 252.00 (251.70 to 252.70): E

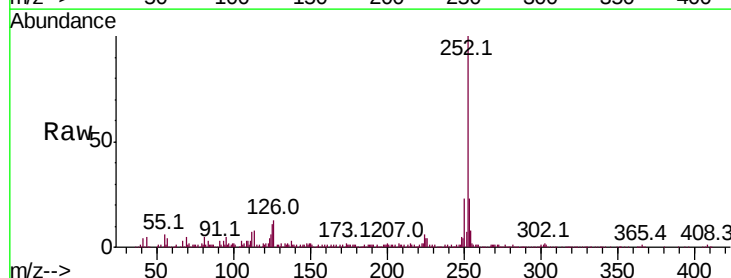
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 22.038 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.0	7.7	11.5

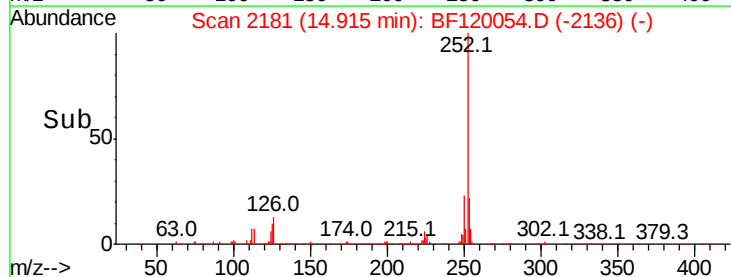
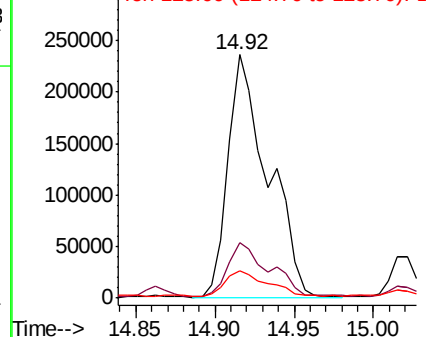


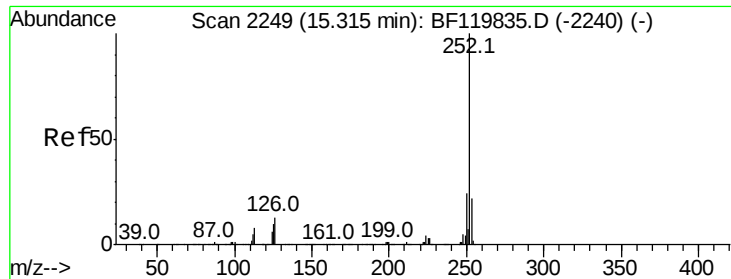
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

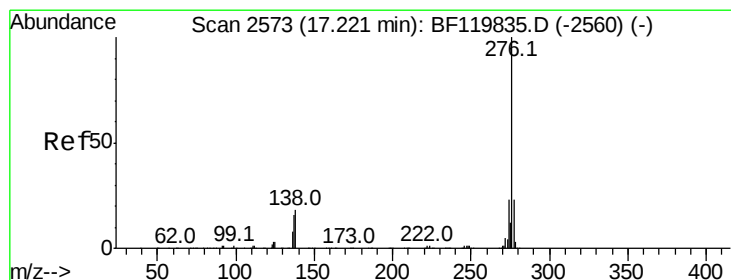
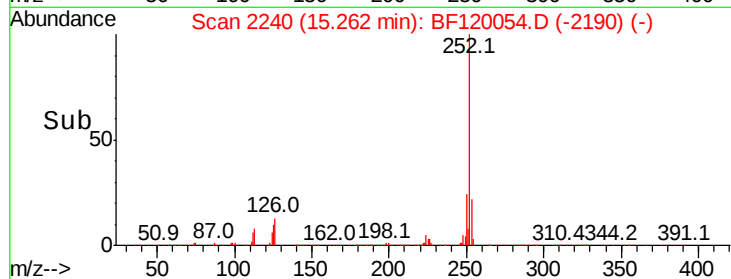
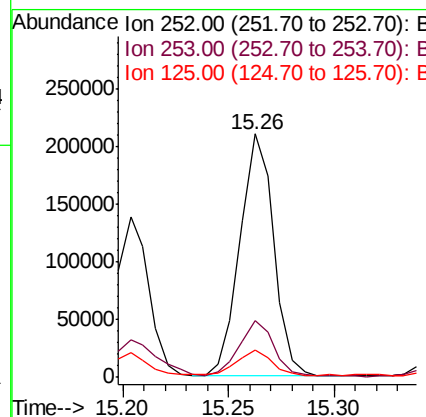
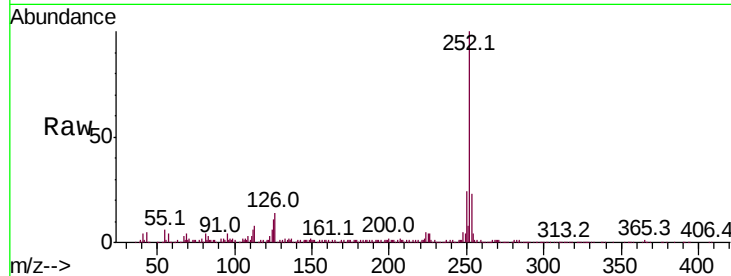




#90
Benzo(a)pyrene
Concen: 12.758 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Instrument :
BNA_F
ClientSampled :
TP-27

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.3	8.3	12.5



#92
Benzo(g,h,i)perylene
Concen: 7.089 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF120054.D
Acq: 17 Apr 2020 12:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	21.2	14.6	22.0

