

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118542.D
 Acq On : 13 Jan 2020 20:37
 Operator : JU
 Sample : L1106-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 14 10:28:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74925	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	316809	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	166909	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	293360	20.00	ng	-0.03
76) Chrysene-d12	14.01	240	202082	20.00	ng	-0.03
87) Perylene-d12	15.49	264	211216	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	372383	82.04	ng	-0.01
7) Phenol-d6	6.46	99	502816	92.66	ng	-0.01
23) Nitrobenzene-d5	7.38	82	289721	48.04	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	159377	80.92	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	388100	33.35	ng	-0.03
79) Terphenyl-d14	12.94	244	487927	38.26	ng	-0.03

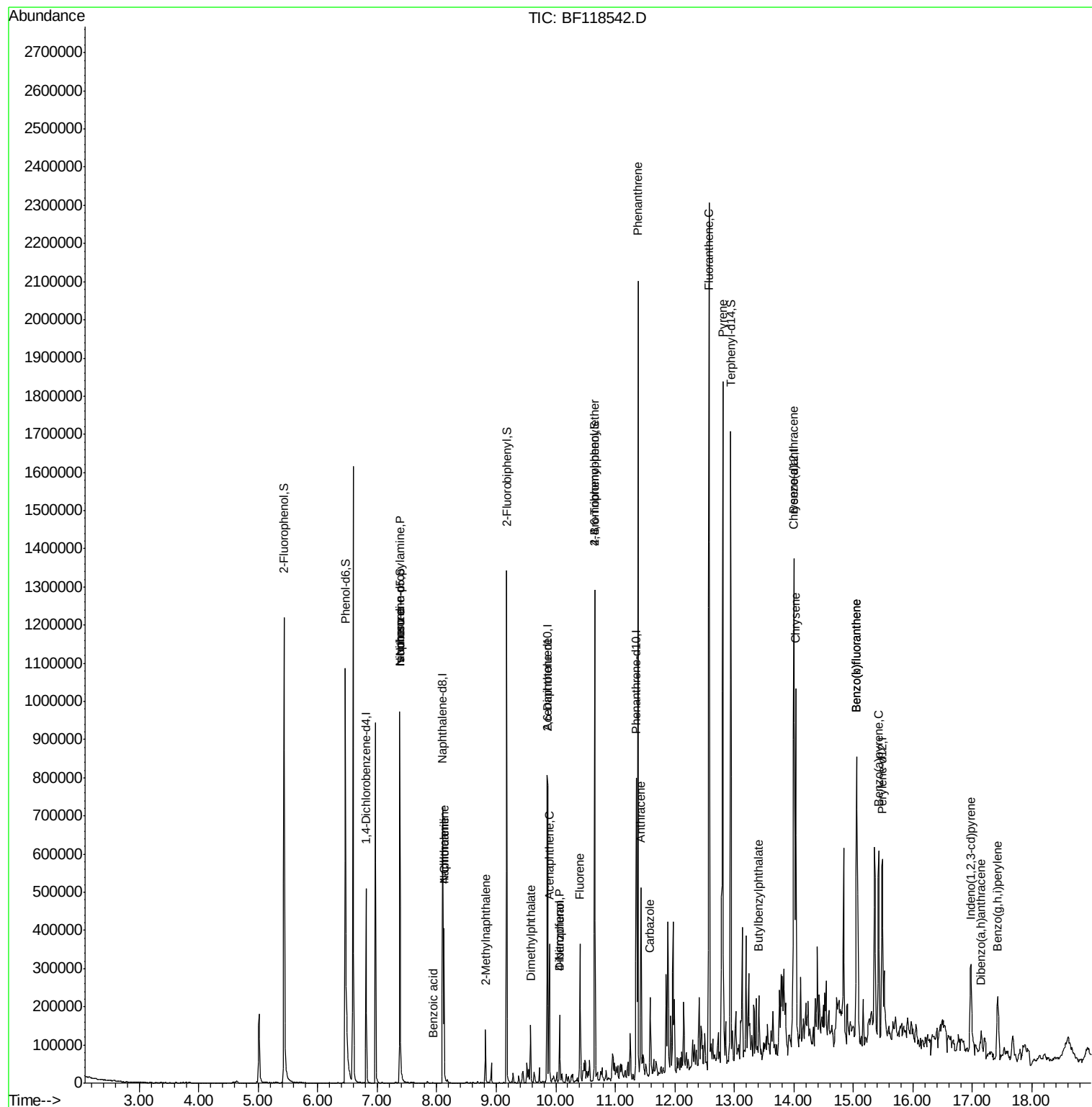
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.38	70	40205	11.503	ng	# 76
25) Isophorone	7.38	82	289718	29.987	ng	# 63
31) Naphthalene	8.12	128	164685	9.938	ng	100
32) Benzoic acid	7.93	122	584	6.666	ng	# 33
33) 4-Chloroaniline	8.12	127	21295	3.121	ng	# 36
37) 2-Methylnaphthalene	8.82	142	35748	3.143	ng	97
50) Dimethylphthalate	9.57	163	54912	4.287	ng	98
51) 2,6-Dinitrotoluene	9.86	165	22310	8.087	ng	# 24
52) Acenaphthene	9.89	154	69747	7.109	ng	97
55) Dibenzofuran	10.07	168	63449	4.305	ng	98
56) 4-Nitrophenol	10.07	139	26205	16.701	ng	# 7
58) Fluorene	10.41	166	87619	7.397	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	9256	2.694	ng	# 1
71) Phenanthrene	11.38	178	697568	42.448	ng	100
72) Anthracene	11.43	178	194157	11.876	ng	98
73) Carbazole	11.59	167	68208	4.816	ng	99
75) Fluoranthene	12.57	202	810722	48.537	ng	99
77) Benzidine	12.94	184	7001	Below Cal		# 93
78) Pyrene	12.80	202	747870	44.981	ng	99
80) Butylbenzylphthalate	13.41	149	29754	3.908	ng	96
81) Benzo(a)anthracene	14.00	228	439922	31.102	ng	98
83) Chrysene	14.03	228	326718	23.770	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	136692	12.353	ng	93
88) Benzo(b)fluoranthene	15.06	252	534633	35.011	ng	98
89) Benzo(k)fluoranthene	15.06	252	534633	36.679	ng	96
90) Benzo(a)pyrene	15.43	252	269916	21.569	ng	98
91) Dibenzo(a,h)anthracene	17.15	278	32144	2.739	ng	95
92) Benzo(g,h,i)perylene	17.42	276	122727	11.038	ng	98

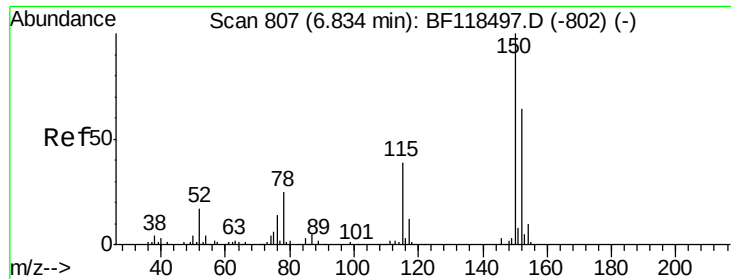
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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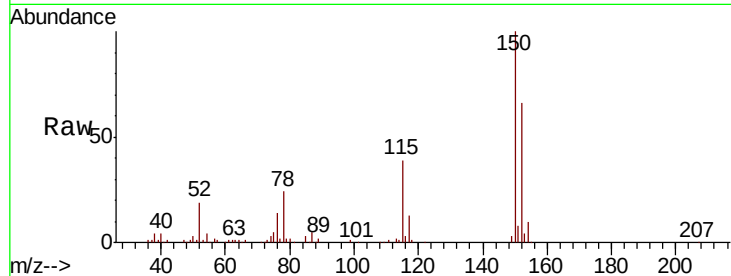


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.7	187.1
115	58.5	49.0	73.6

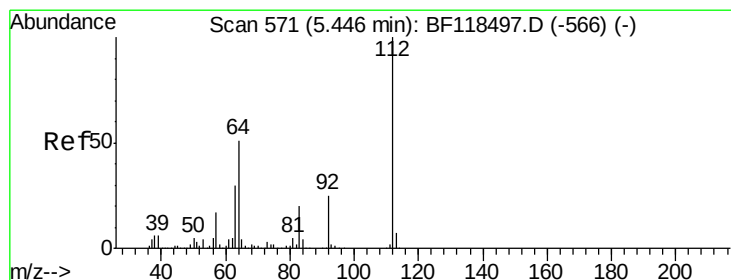
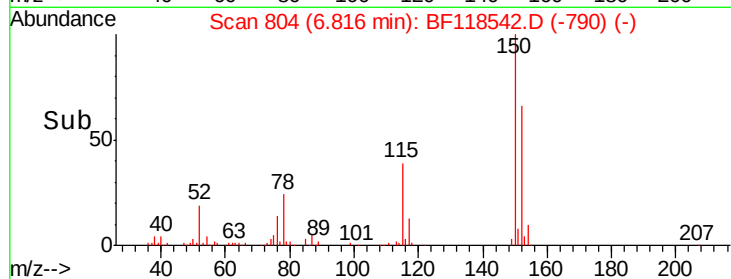
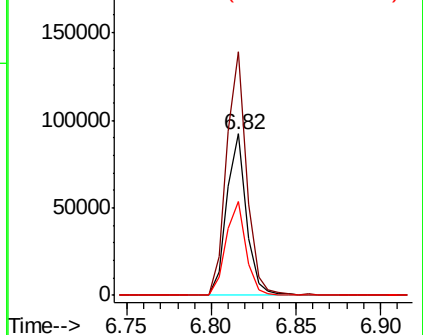


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

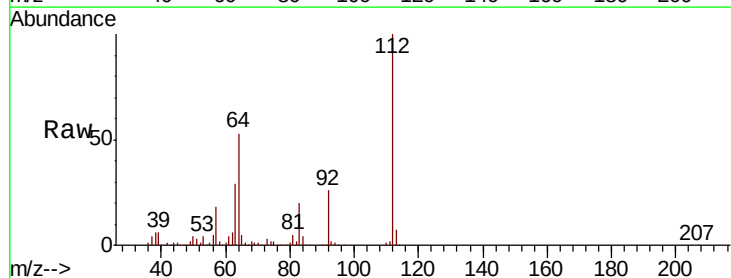
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.043 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.1	61.7
63	28.8	24.1	36.1

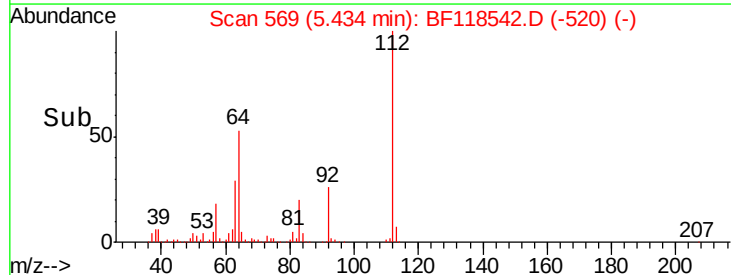
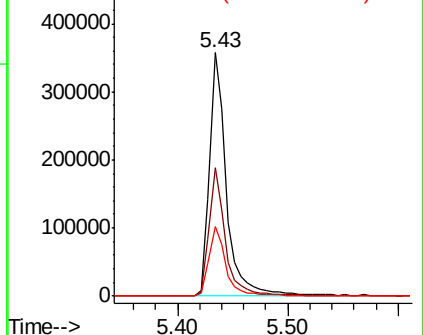


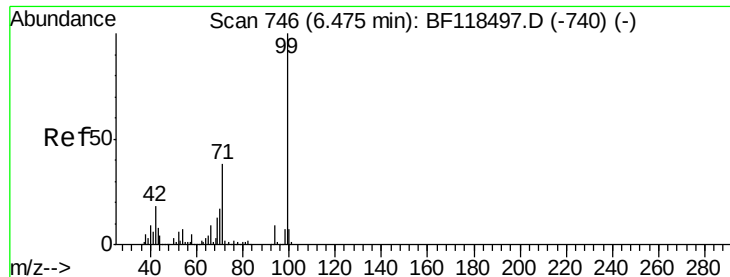
Abundance

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: 92.660 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampled :

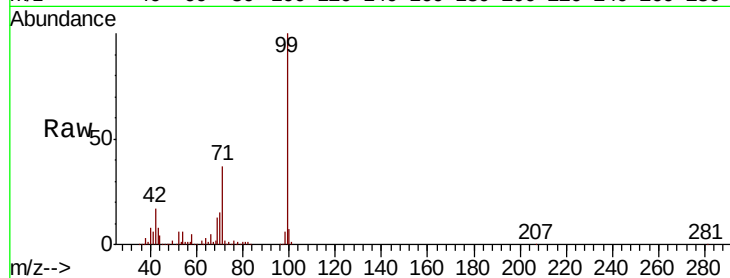
Tot Ion: 99 Resp: 502816

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

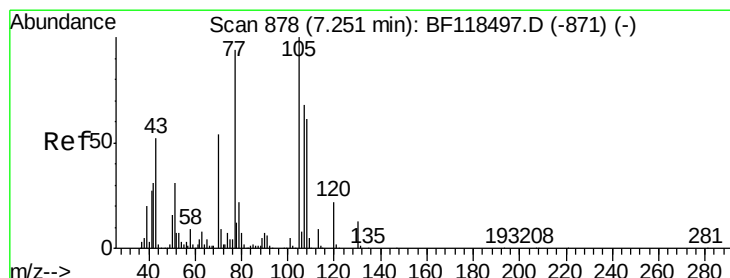
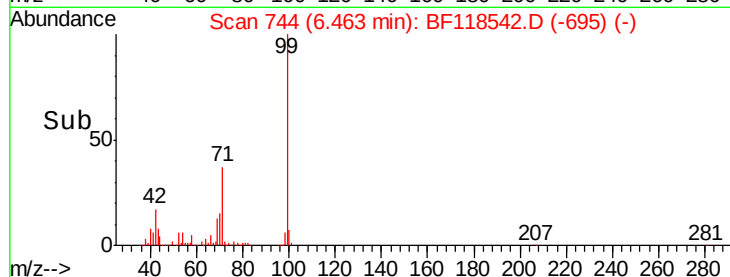
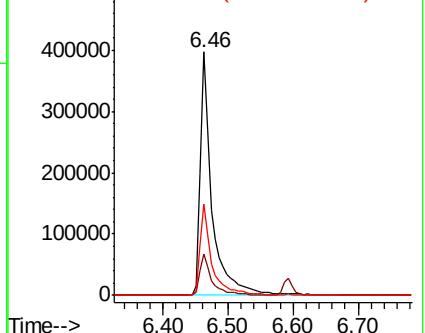
71 37.3 30.6 45.8



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: 11.503 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Tgt Ion: 70 Resp: 40205

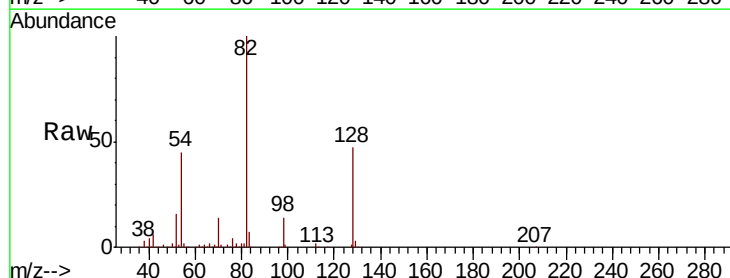
Ion Ratio Lower Upper

70 100

42 46.3 45.6 68.4

101 0.0 8.2 12.2#

130 2.3 19.2 28.8#

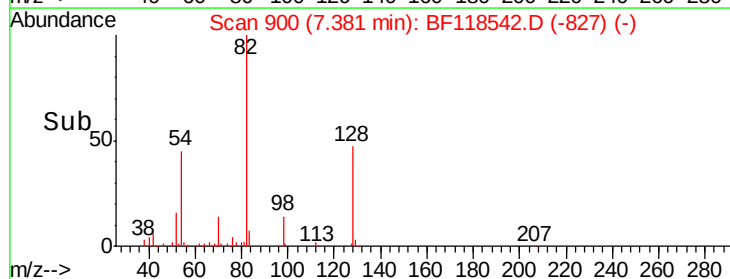
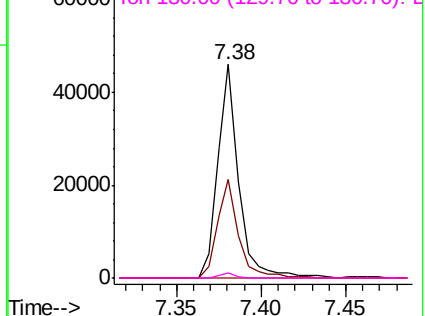


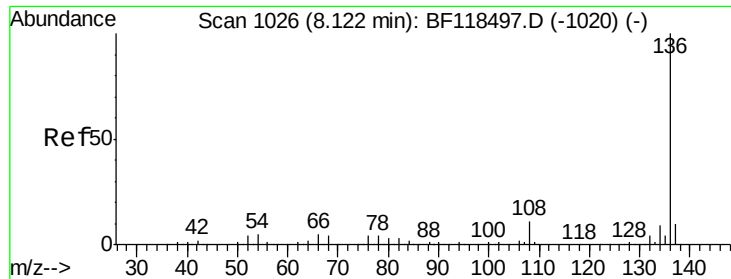
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

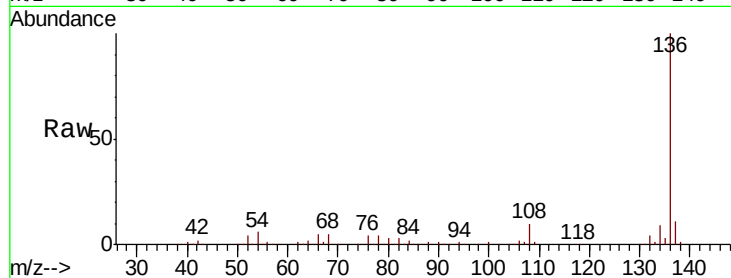




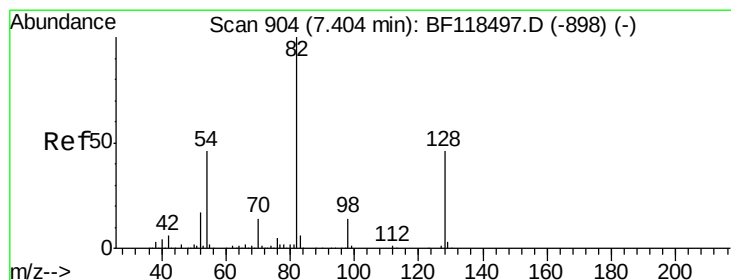
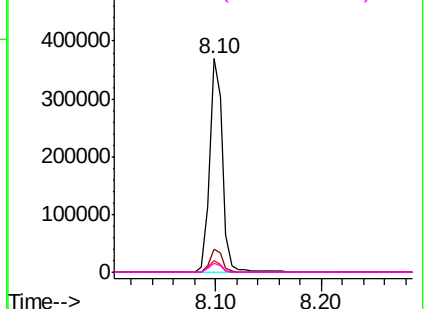
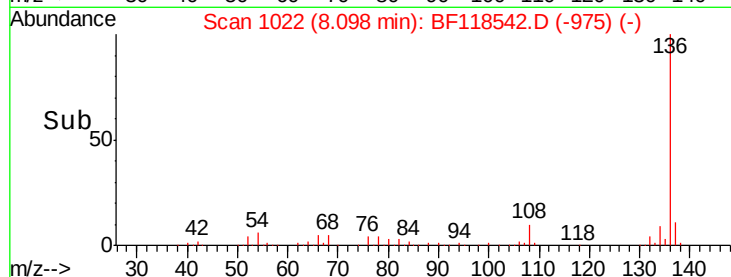
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	316809
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.3	12.5
54 5.6	4.2	6.2
68 4.5	3.3	4.9

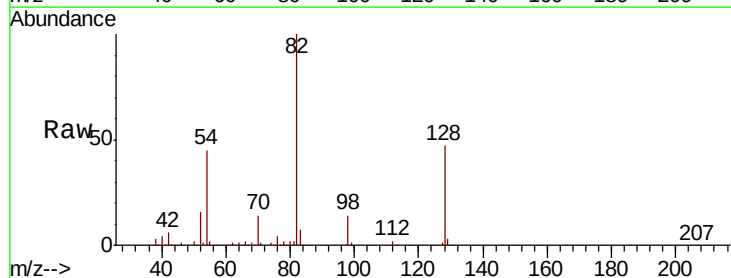


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

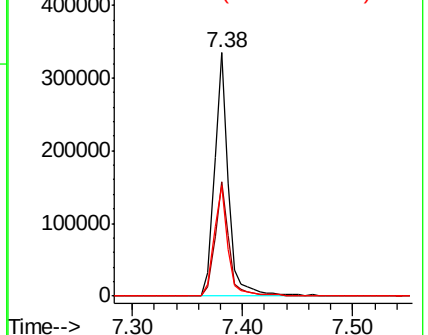
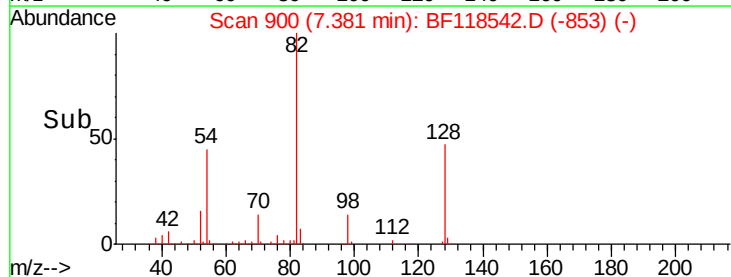


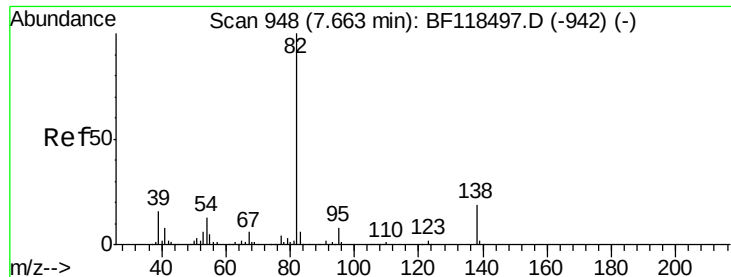
#23
Nitrobenzene-d5
Concen: 48.040 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion: 82	Resp: 289721
Ion Ratio	Lower Upper
82 100	
128 47.0	36.6 54.8
54 45.3	37.0 55.6



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: 29.987 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampleId :

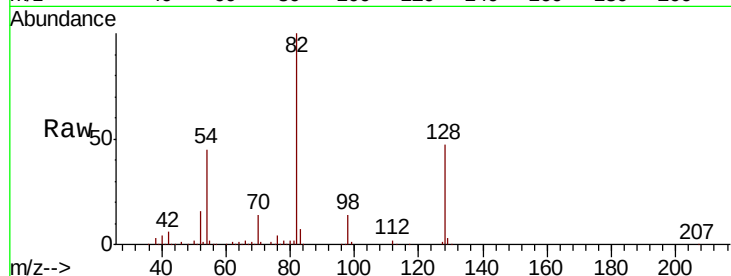
Tot Ion: 82 Resp: 289718

Ion Ratio Lower Upper

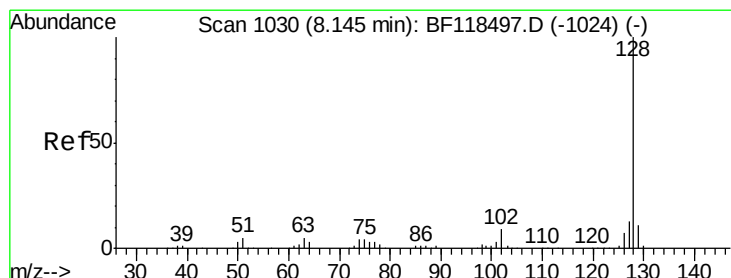
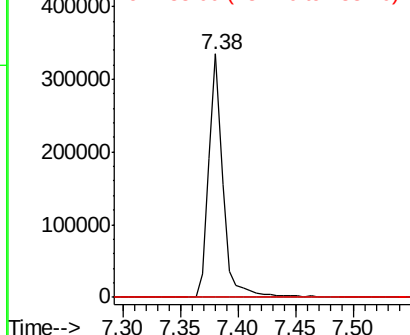
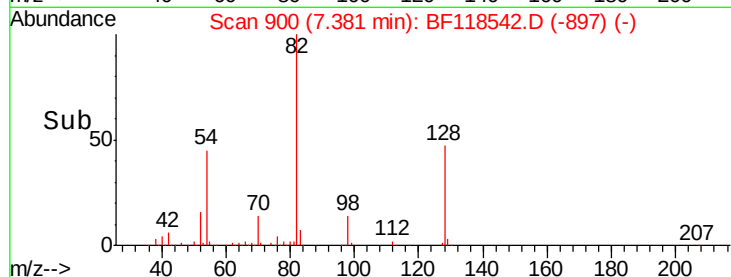
82 100

95 0.0 6.6 9.8#

138 0.0 15.4 23.2#



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



#31

Naphthalene

Concen: 9.938 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

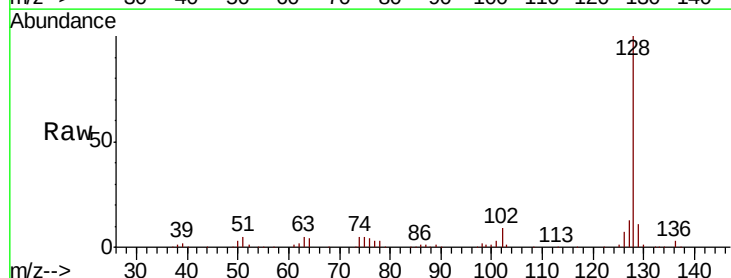
Tgt Ion: 128 Resp: 164685

Ion Ratio Lower Upper

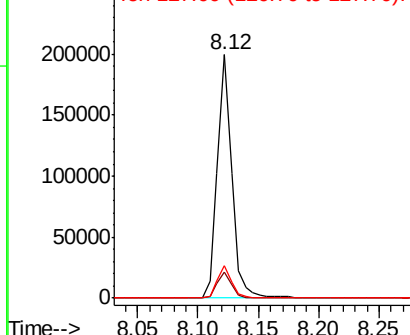
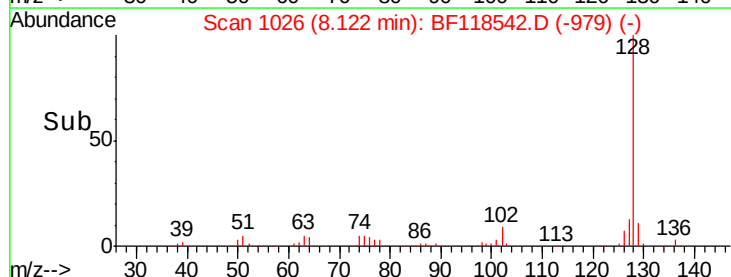
128 100

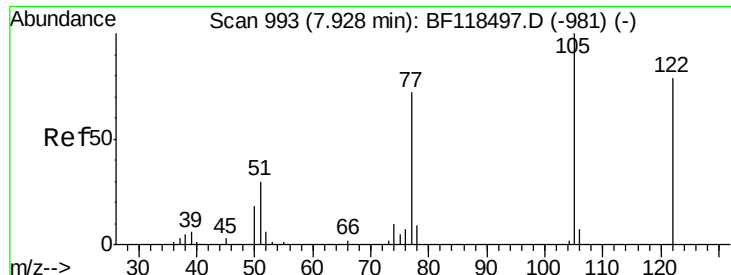
129 10.9 8.6 12.8

127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

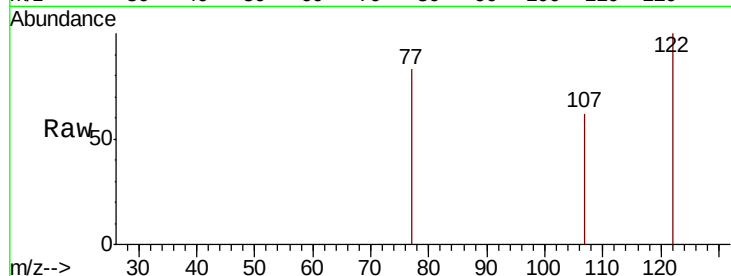




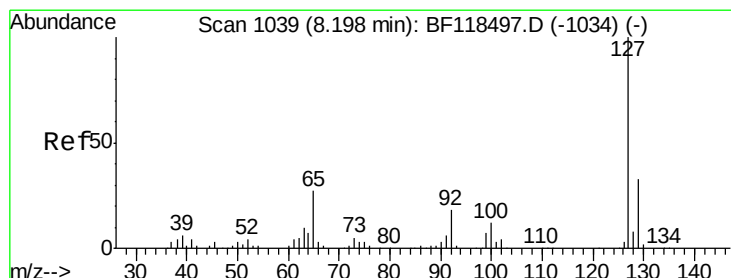
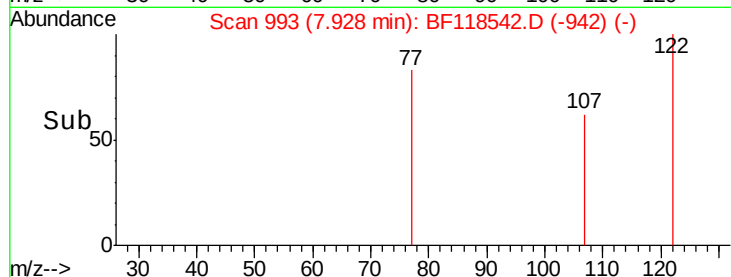
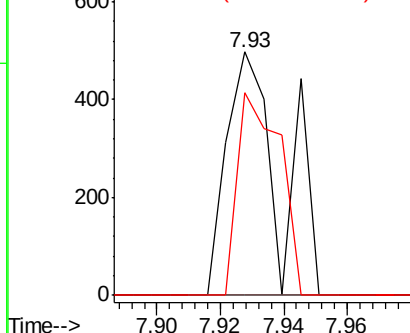
#32
Benzoic acid
Concen: 6.666 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 584
Ion Ratio Lower Upper
122 100
105 0.0 105.7 145.7#
77 83.3 71.0 111.0

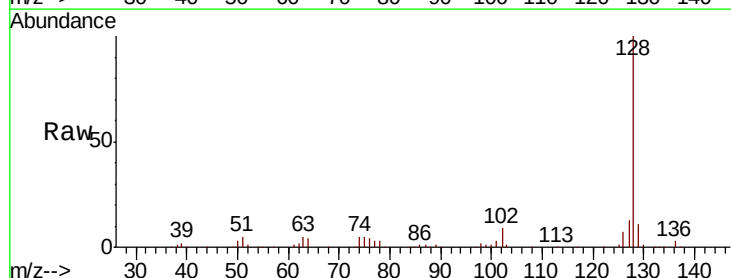


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

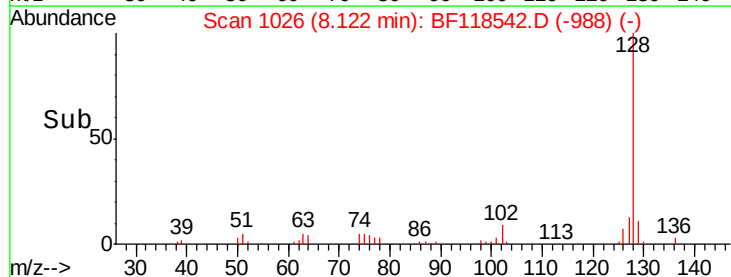
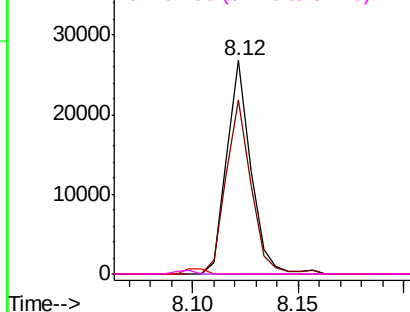


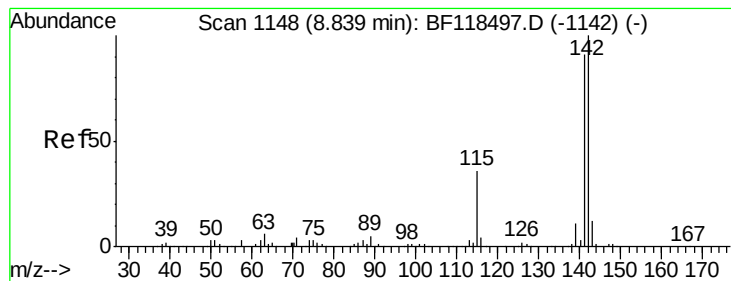
#33
4-Chloroaniline
Concen: 3.121 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.08 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion:127 Resp: 21295
Ion Ratio Lower Upper
127 100
129 81.6 26.2 39.4#
65 0.0 21.6 32.4#
92 0.0 14.3 21.5#



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





#37

2-Methylnaphthalene

Concen: 3.143 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampled :

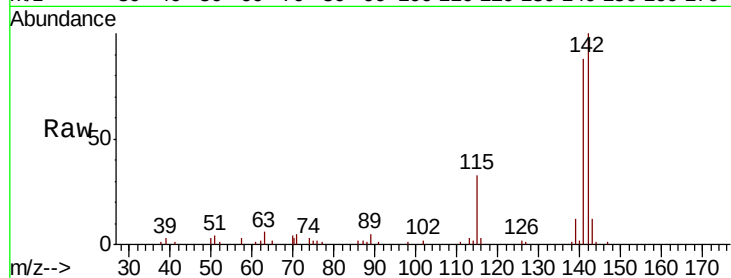
Tot Ion:142 Resp: 35748

Ion Ratio Lower Upper

142 100

141 88.1 73.0 109.6

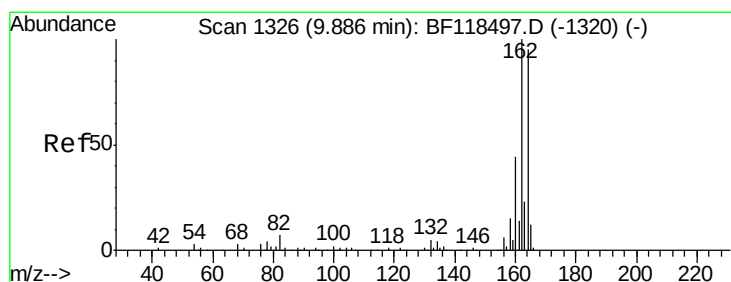
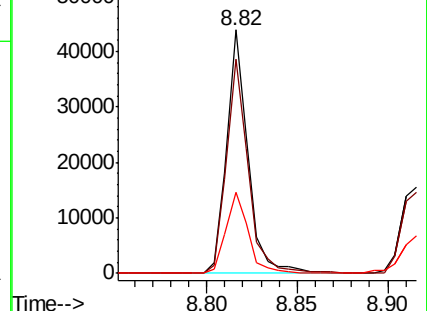
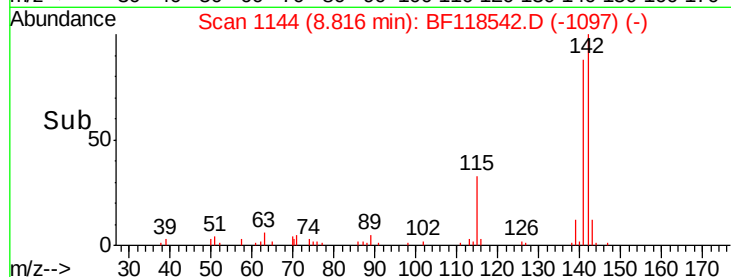
115 33.3 28.4 42.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

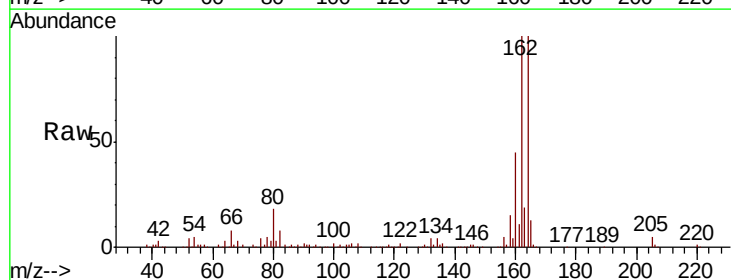
Tgt Ion:164 Resp: 166909

Ion Ratio Lower Upper

164 100

162 99.9 84.2 126.4

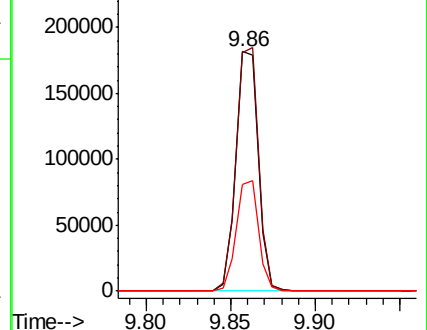
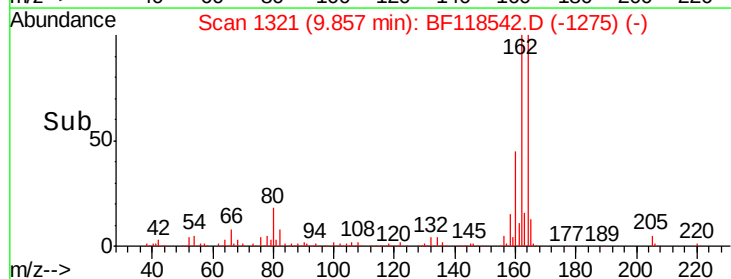
160 44.5 36.8 55.2

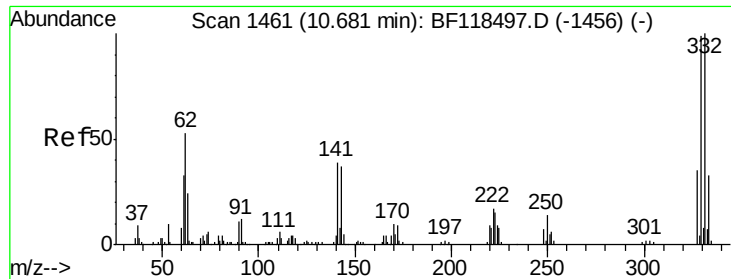


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 80.923 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampled :

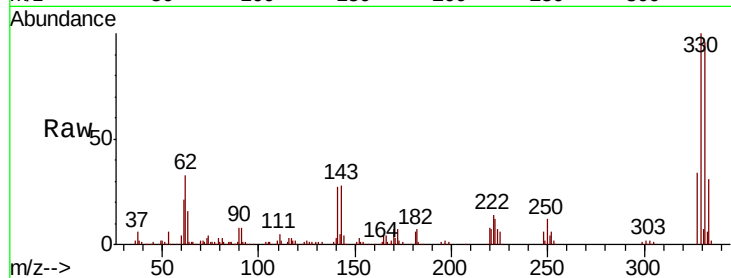
Tot Ion:330 Resp: 159377

Ion Ratio Lower Upper

330 100

332 97.2 77.9 116.9

141 32.9 28.6 43.0

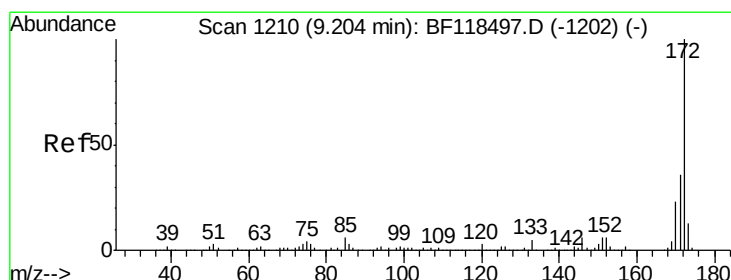
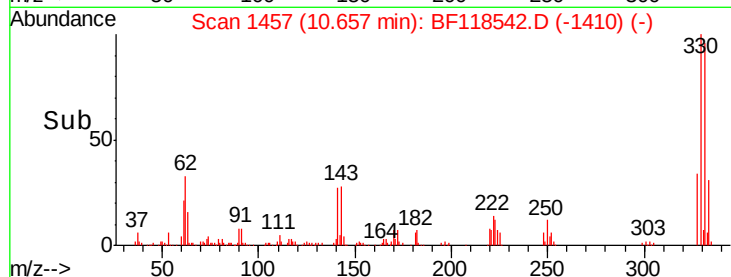
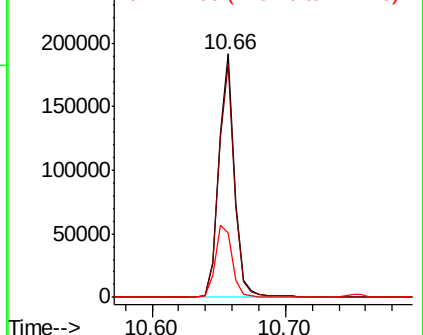


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 33.348 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

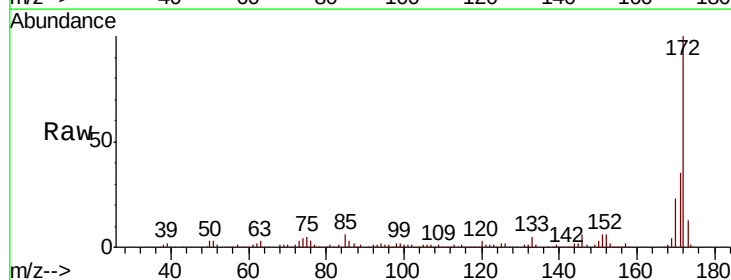
Tgt Ion:172 Resp: 388100

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.4 18.6 27.8

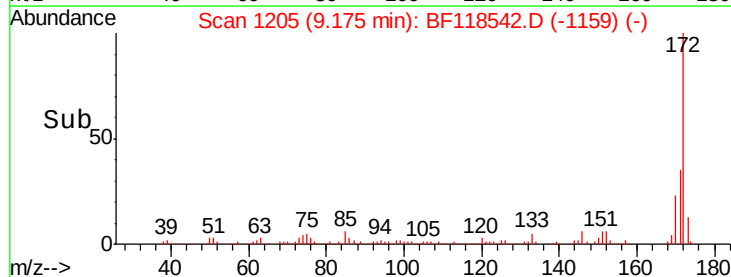
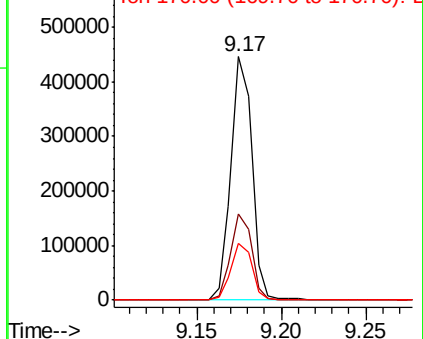


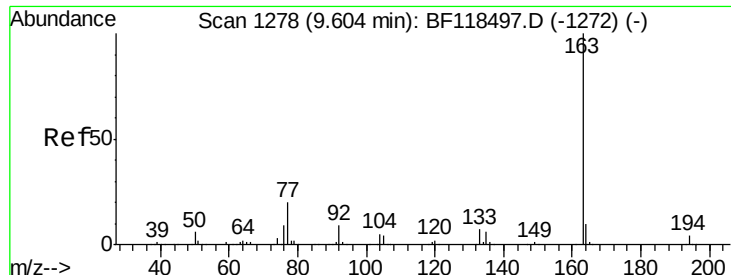
Abundance

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

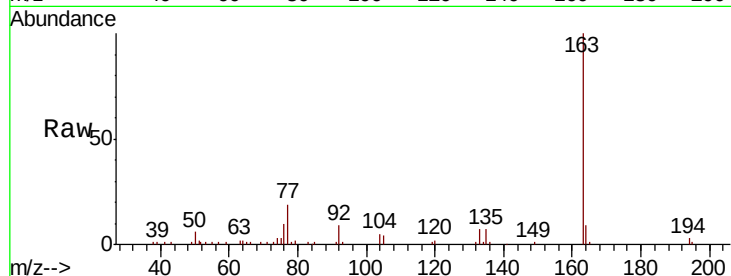




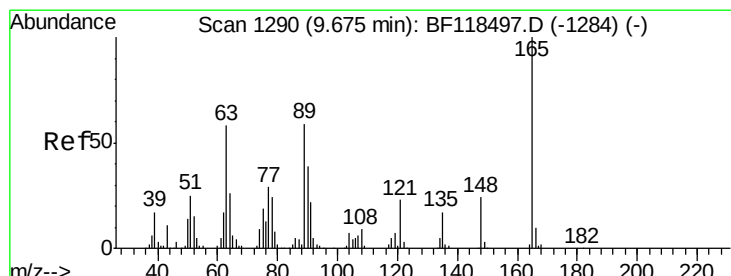
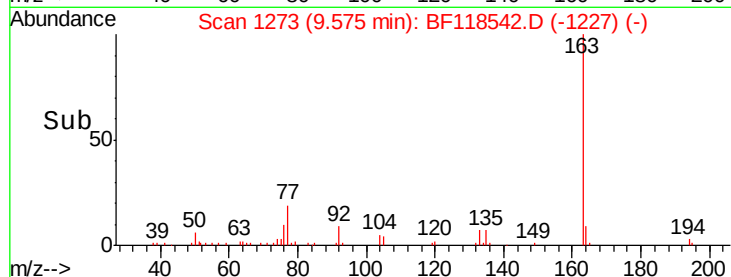
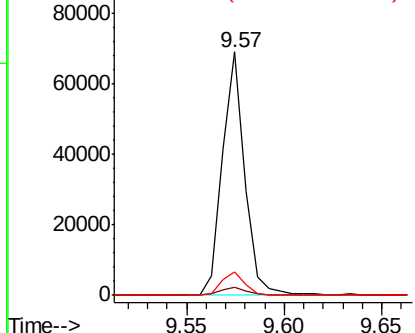
#50
Dimethylphthalate
Concen: 4.287 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	9.4	8.1	12.1

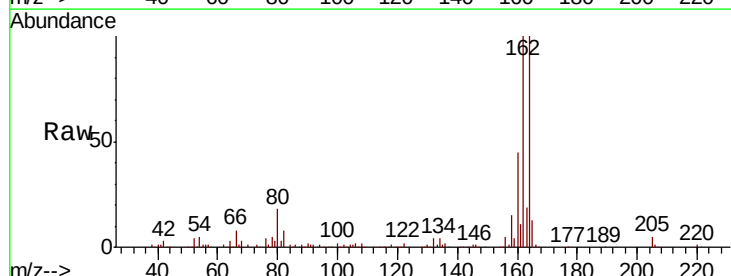


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

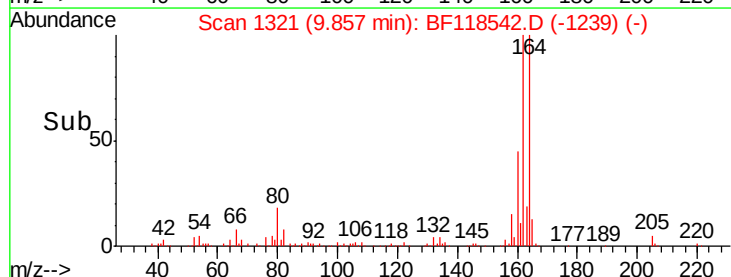
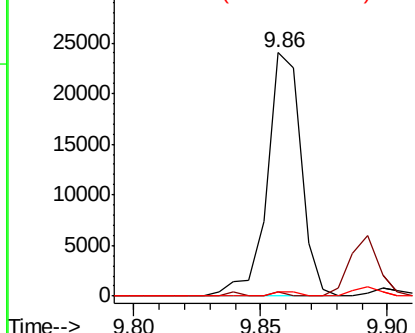


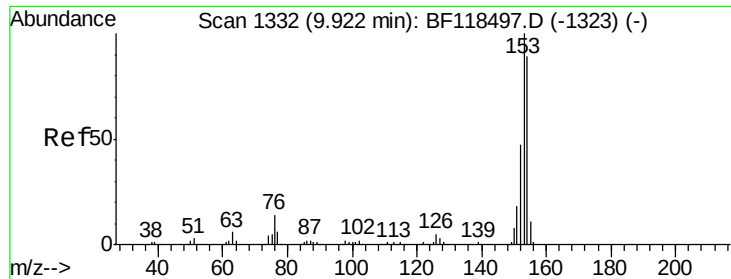
#51
2,6-Dinitrotoluene
Concen: 8.087 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.18 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	46.6	70.0#
89	1.8	47.5	71.3#



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: 7.109 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.03 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampleId :

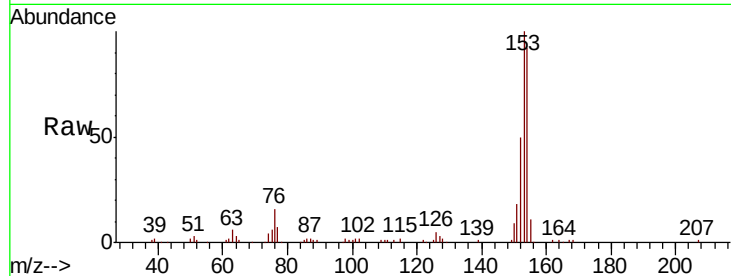
Tot Ion:154 Resp: 69747

Ion Ratio Lower Upper

154 100

153 108.3 89.7 134.5

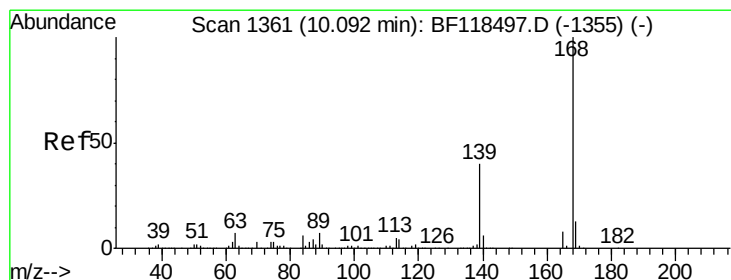
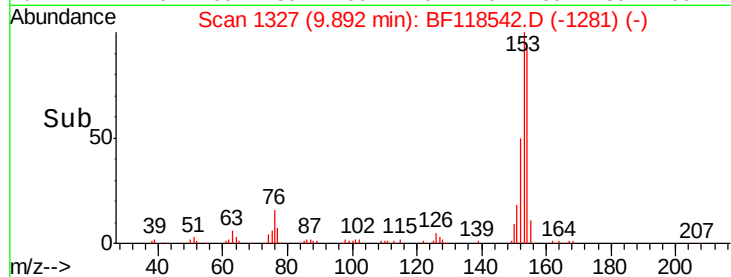
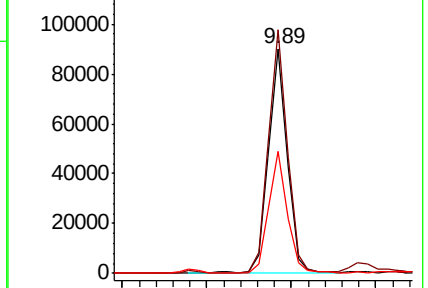
152 54.0 41.9 62.9



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



#55

Dibenzofuran

Concen: 4.305 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.02 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

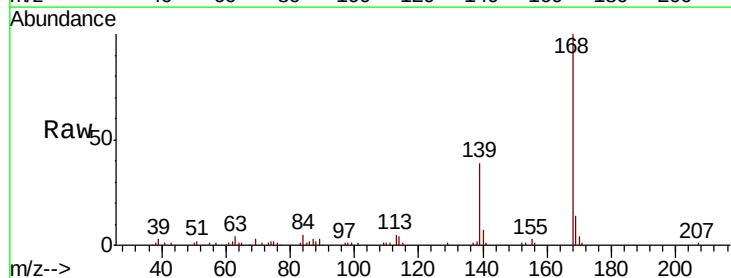
Tgt Ion:168 Resp: 63449

Ion Ratio Lower Upper

168 100

139 38.9 32.5 48.7

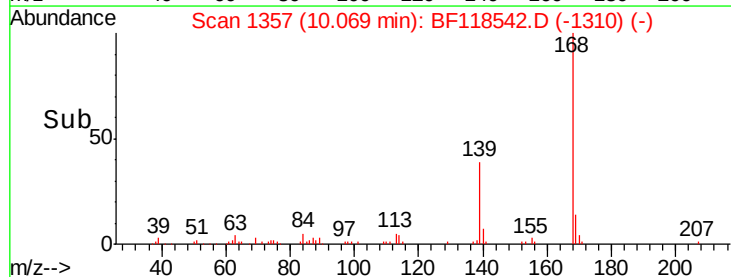
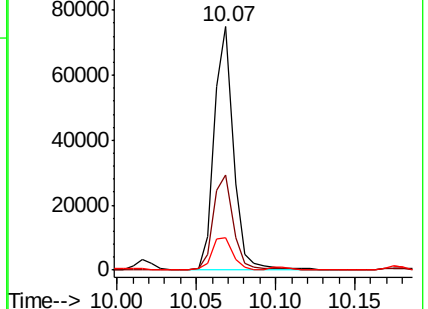
169 13.5 10.6 16.0

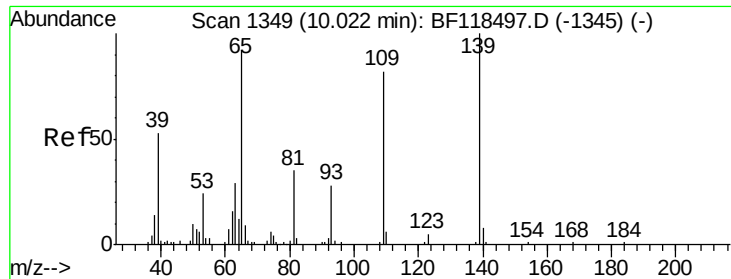


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 16.701 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.05 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampleId :

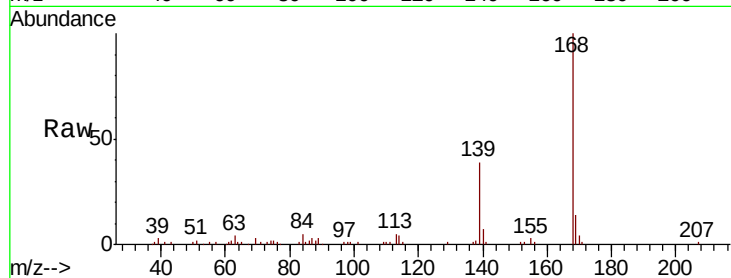
Tot Ion:139 Resp: 26205

Ion Ratio Lower Upper

139 100

109 1.4 62.2 102.2#

65 1.9 72.8 112.8#

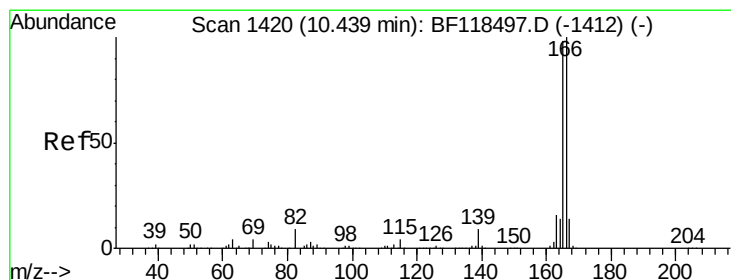
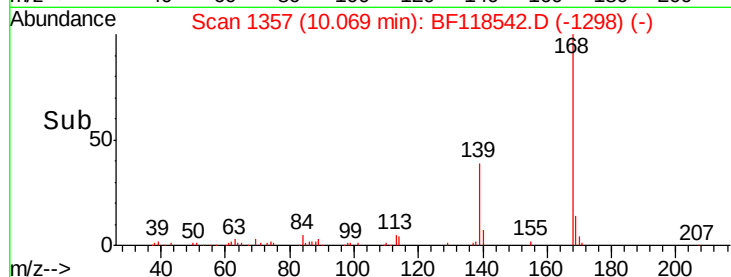
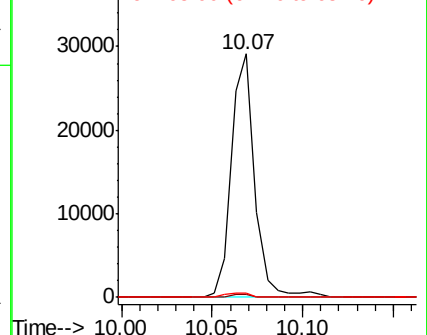


Abundance

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



#58

Fluorene

Concen: 7.397 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.03 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

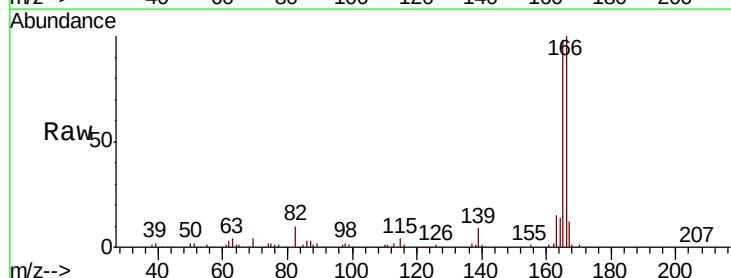
Tgt Ion:166 Resp: 87619

Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

167 12.5 10.8 16.2

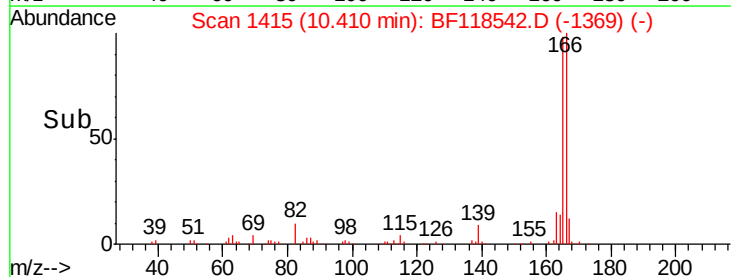
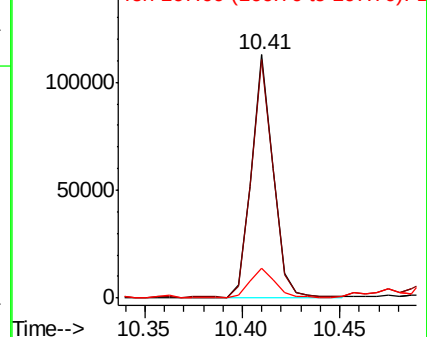


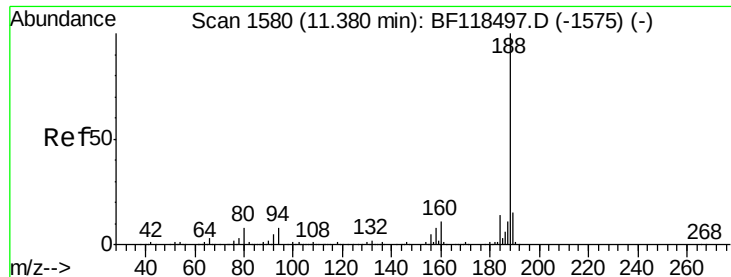
Abundance

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

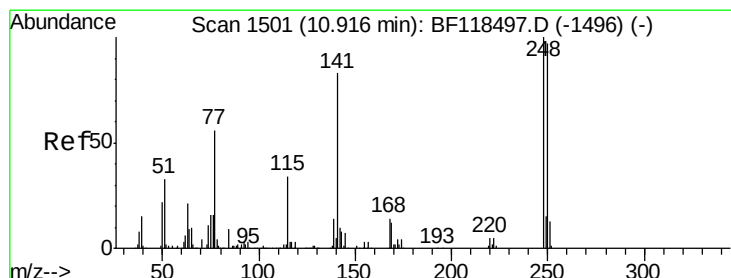
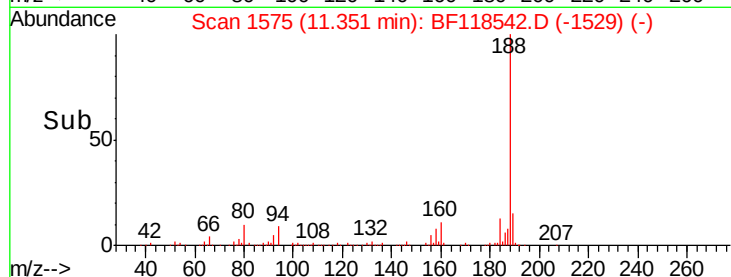
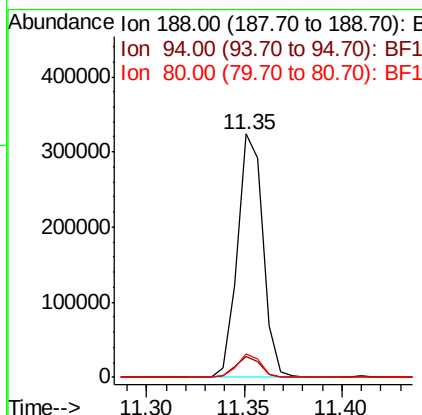
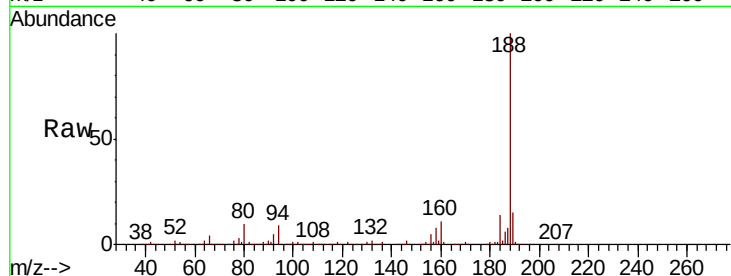




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

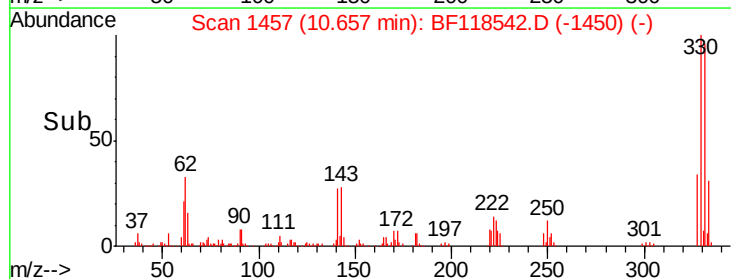
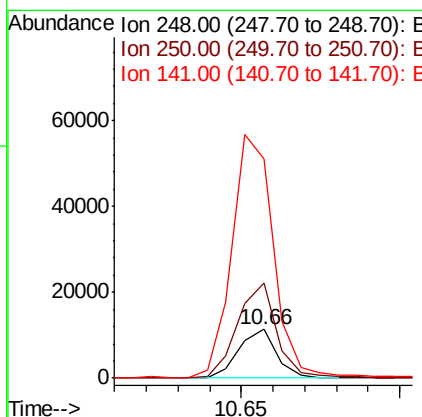
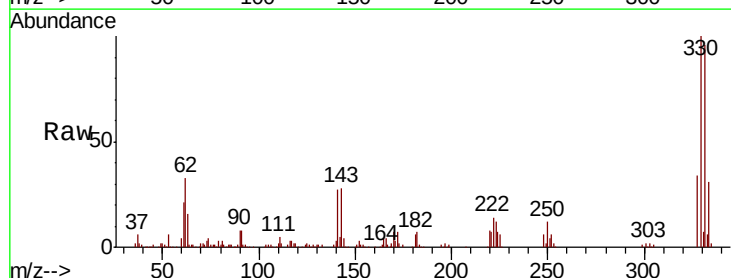
Instrument :
BNA_F
ClientSampleId :

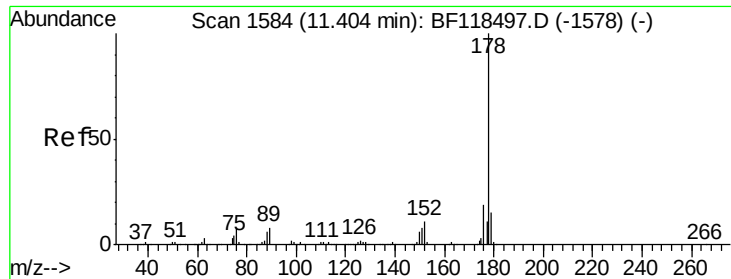
Tot Ion:188 Resp: 293360
Ion Ratio Lower Upper
188 100
94 8.7 6.2 9.4
80 9.6 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 2.694 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.26 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion:248 Resp: 9256
Ion Ratio Lower Upper
248 100
250 197.4 77.4 116.0#
141 452.2 66.2 99.4#

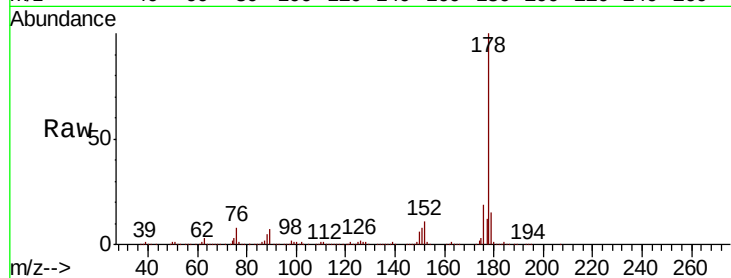




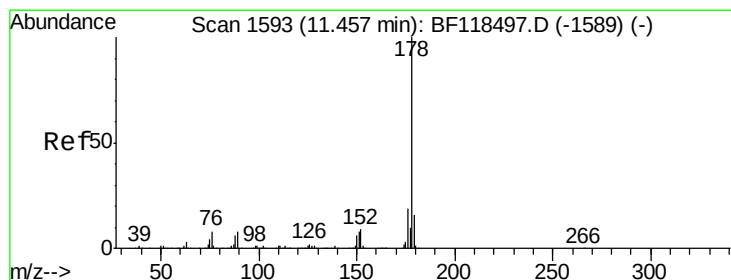
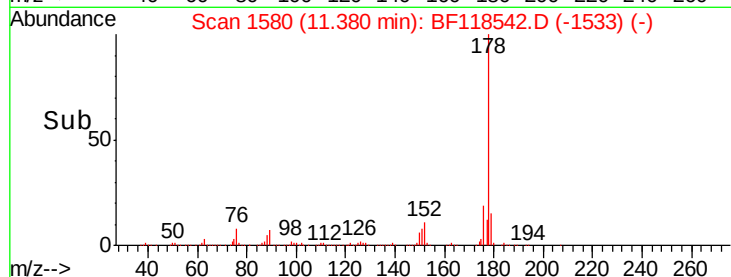
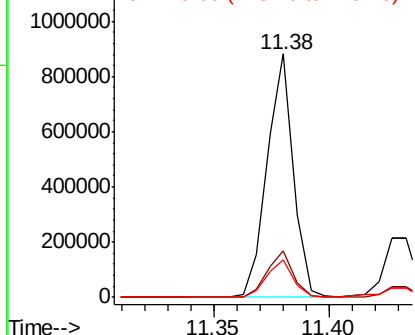
#71
Phenanthrene
Concen: 42.448 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.2	12.3	18.5

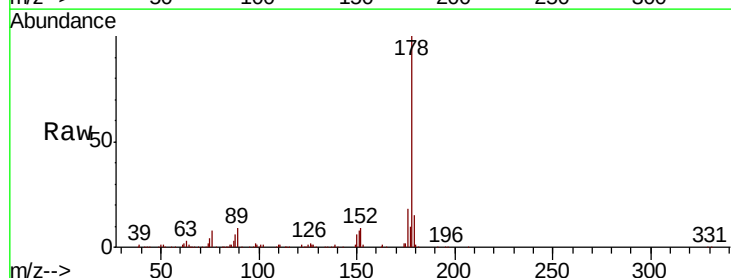


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

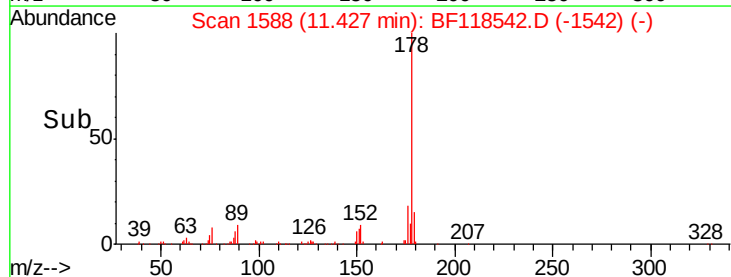
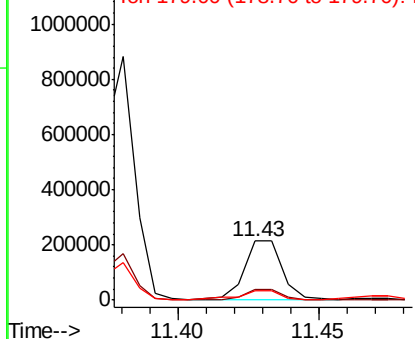


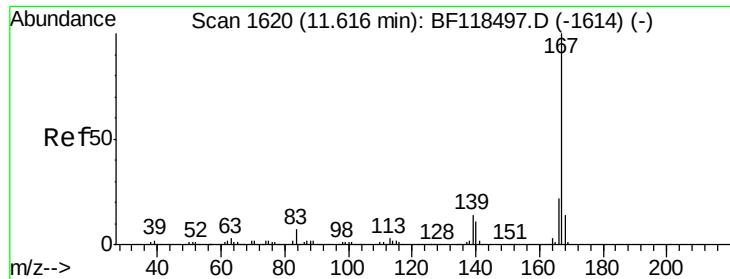
#72
Anthracene
Concen: 11.876 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.0	22.4
179	15.2	12.6	19.0



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

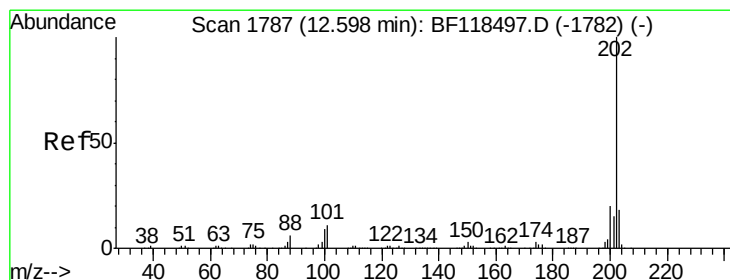
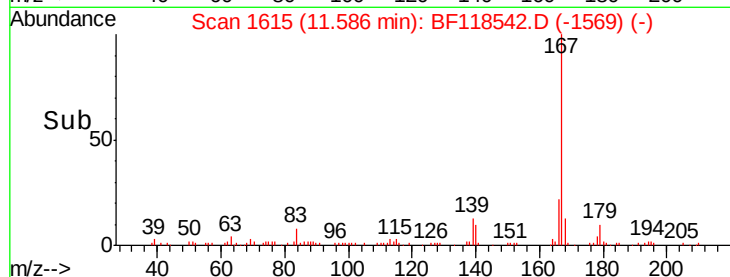
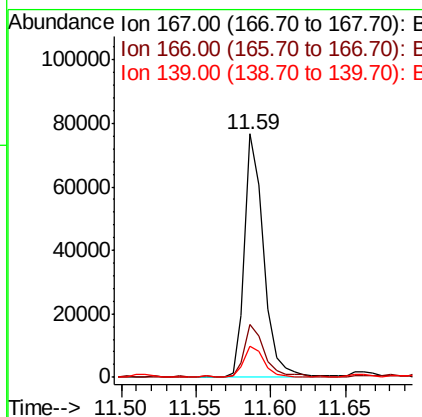
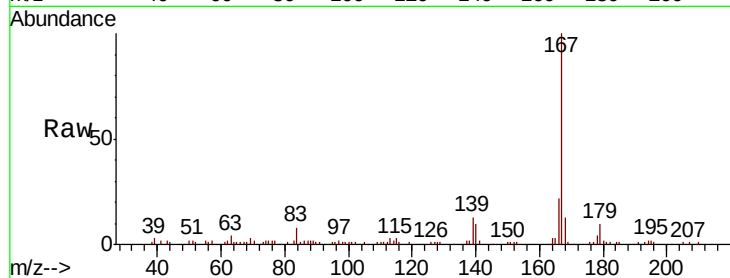




#73
 Carbazole
 Concen: 4.816 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.03 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

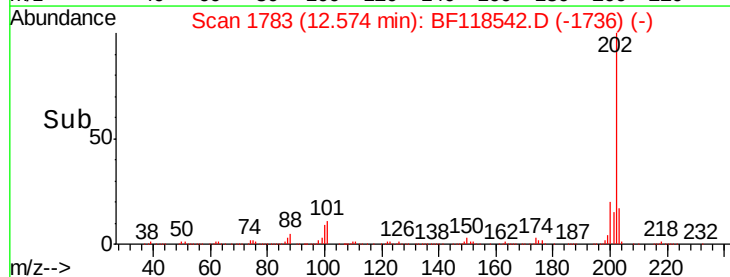
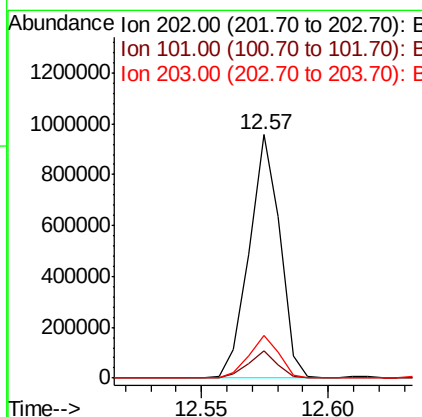
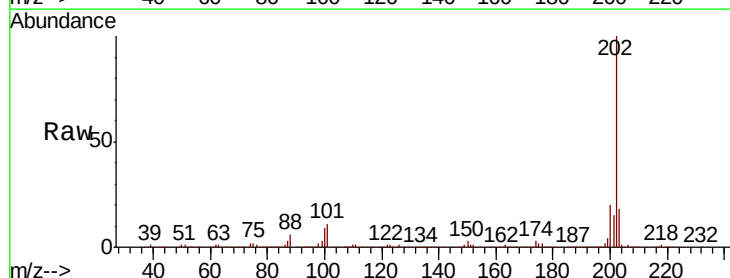
Instrument :
 BNA_F
 ClientSampled :

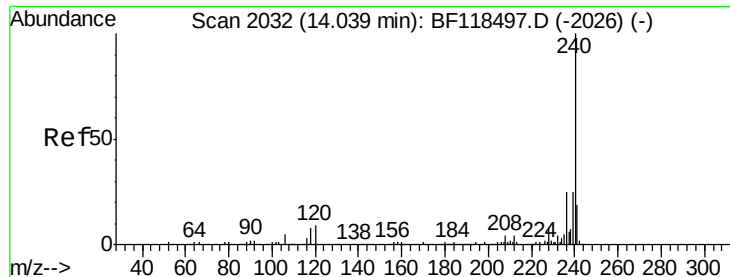
Tot Ion:167 Resp: 68208
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 12.9 10.9 16.3



#75
 Fluoranthene
 Concen: 48.537 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.02 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Tgt Ion:202 Resp: 810722
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.4
 203 17.6 0.0 38.1

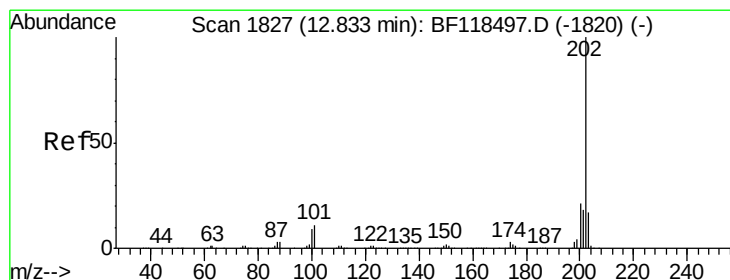
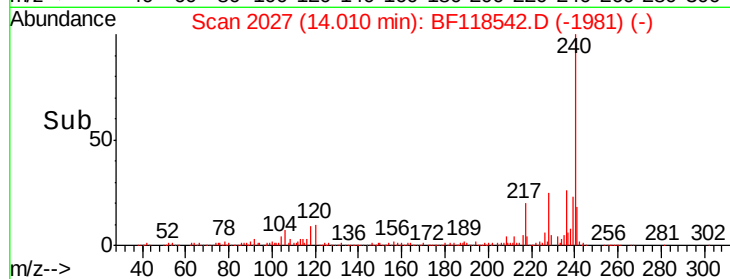
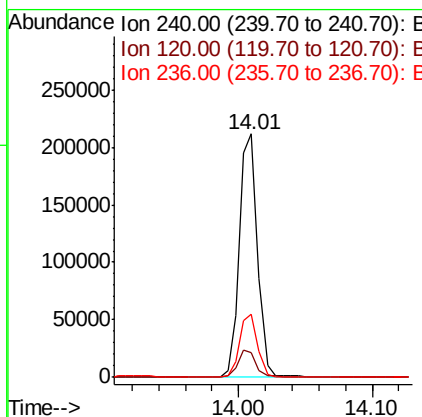
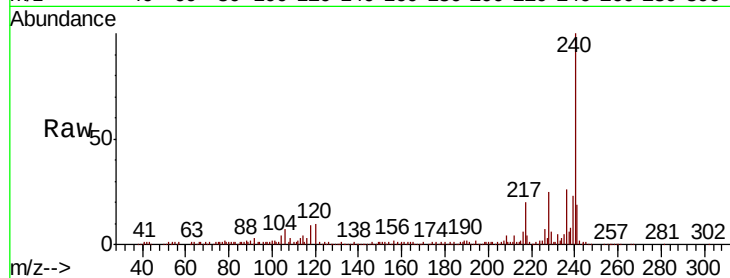




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

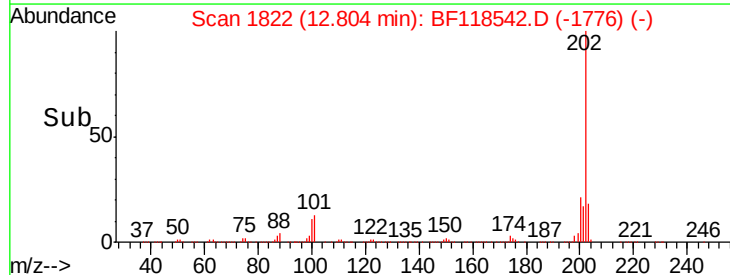
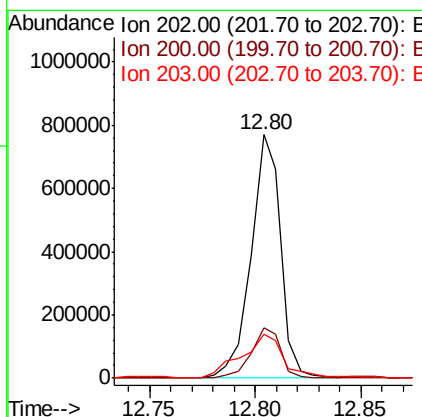
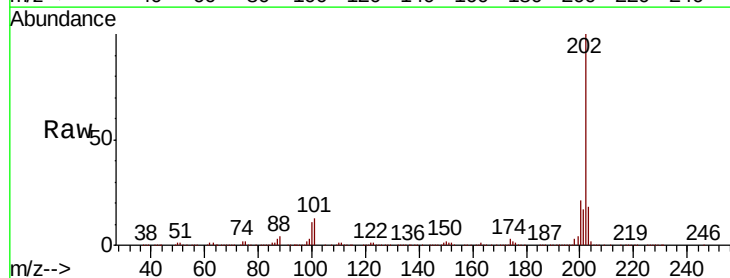
Instrument :
BNA_F
ClientSampleId :

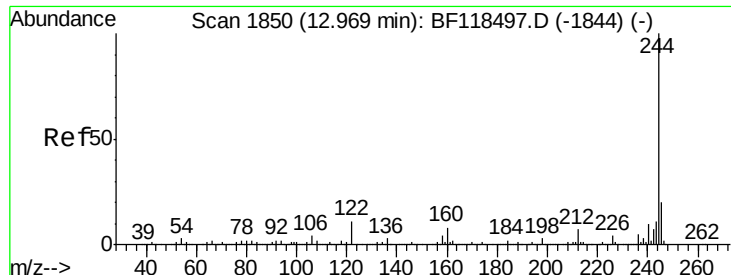
Tot Ion:240 Resp: 202082
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.1 20.1 30.1



#78
Pyrene
Concen: 44.981 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion:202 Resp: 747870
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.9 13.9 20.9

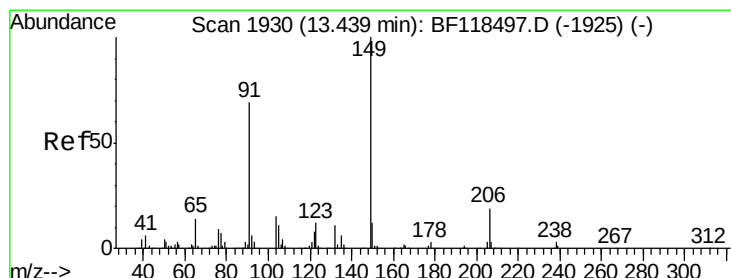
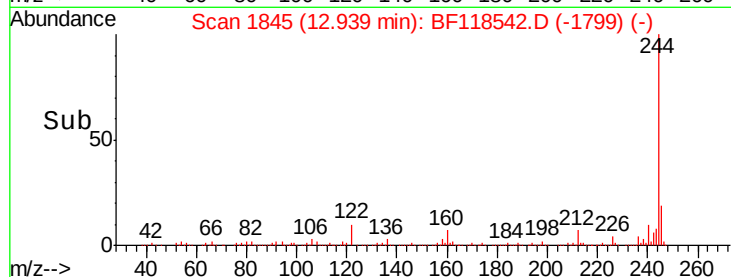
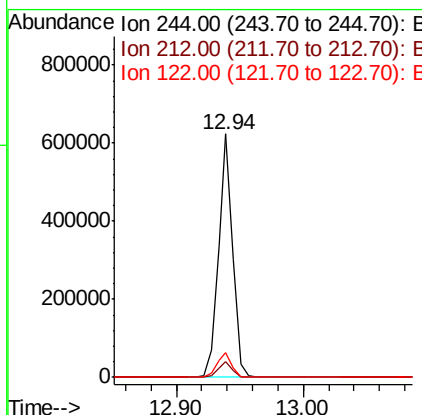
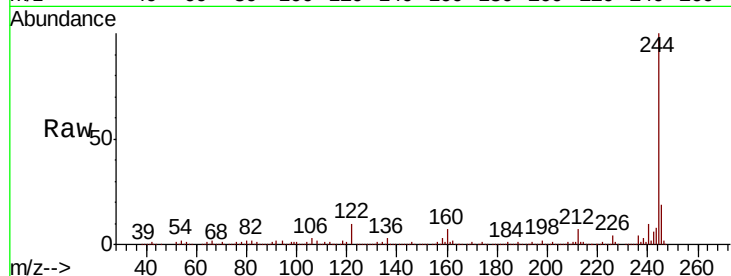




#79
 Terphenyl-d14
 Concen: 38.262 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.03 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

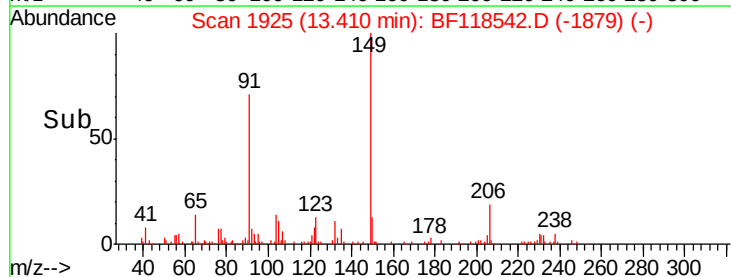
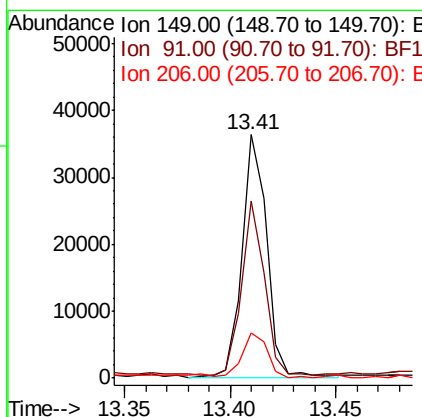
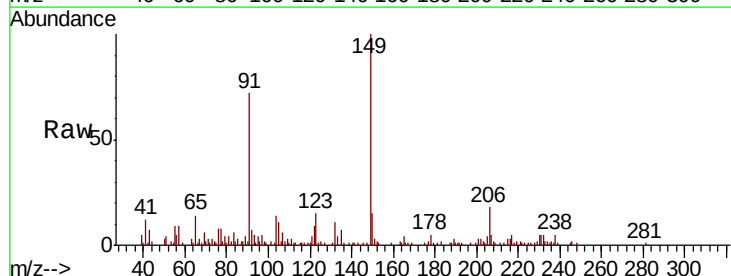
Instrument :
 BNA_F
 ClientSampled :

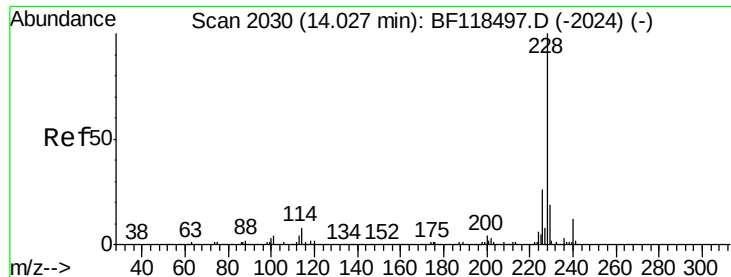
Tot Ion:244 Resp: 487927
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.3 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 3.908 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Tgt Ion:149 Resp: 29754
 Ion Ratio Lower Upper
 149 100
 91 72.5 55.2 82.8
 206 18.4 15.1 22.7

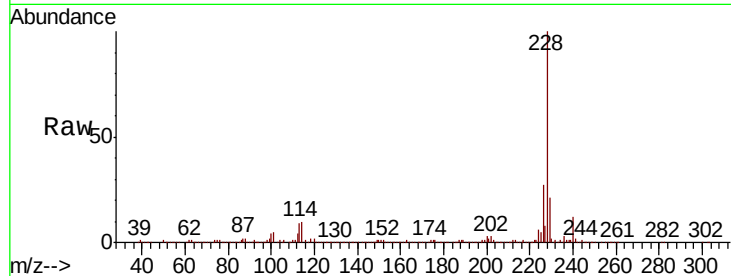




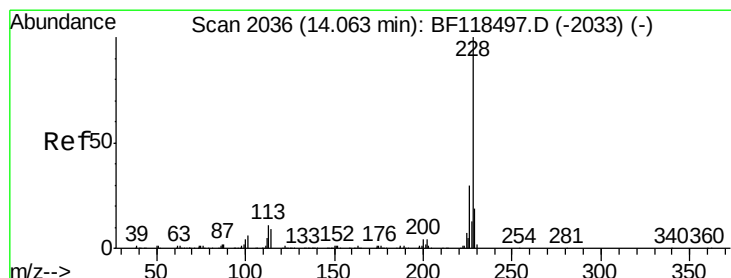
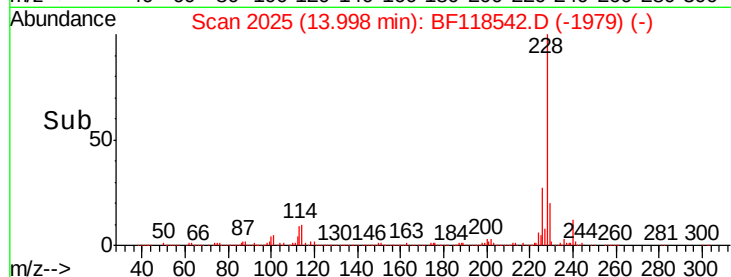
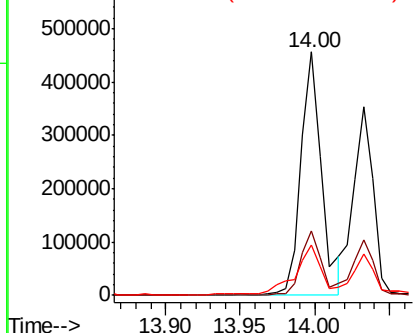
#81
Benzo(a)anthracene
Concen: 31.102 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 439922
Ion Ratio Lower Upper
228 100
226 26.6 20.7 31.1
229 20.6 15.4 23.2

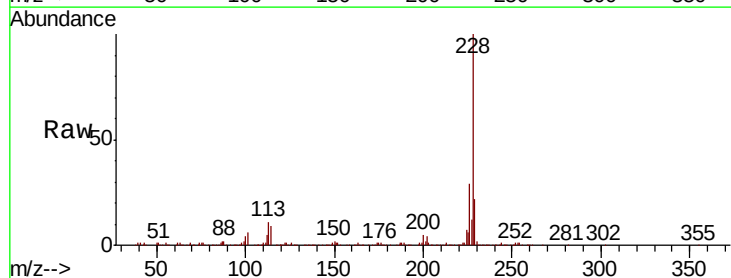


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

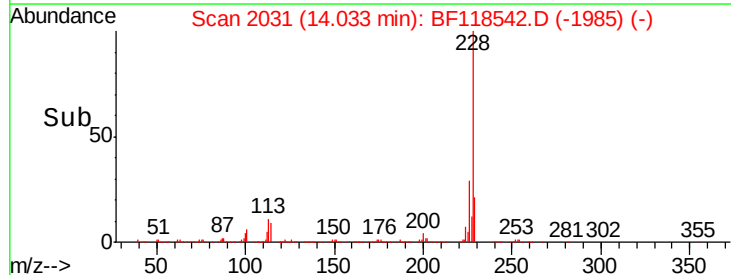
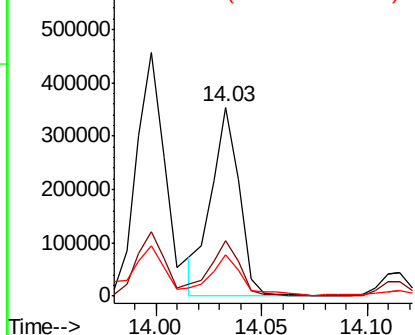


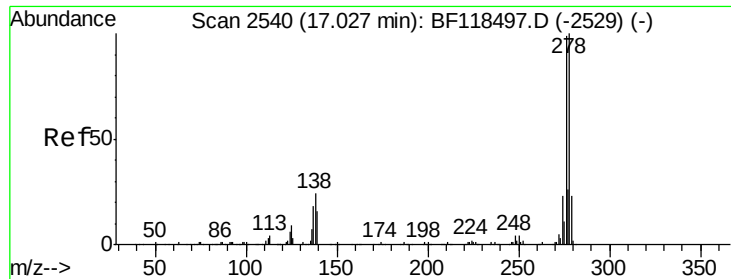
#83
Chrysene
Concen: 23.770 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion:228 Resp: 326718
Ion Ratio Lower Upper
228 100
226 29.2 23.6 35.4
229 21.9 15.6 23.4



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

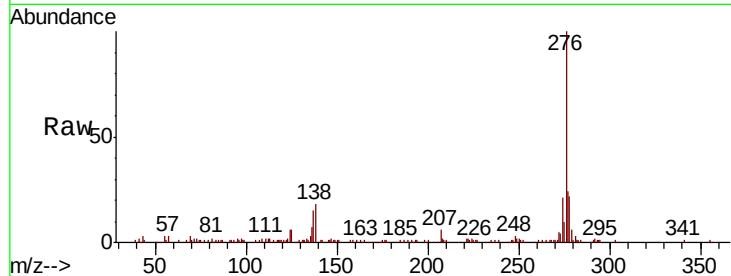




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.353 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.05 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	19.0	28.4
277	23.5	20.5	30.7

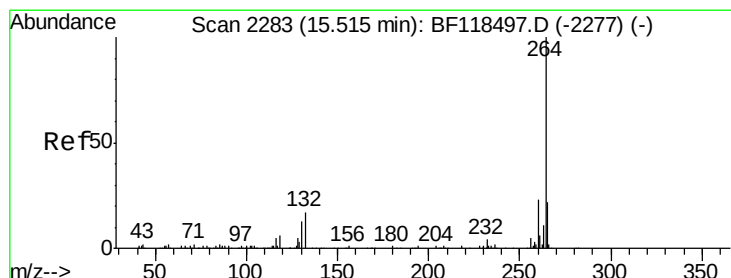
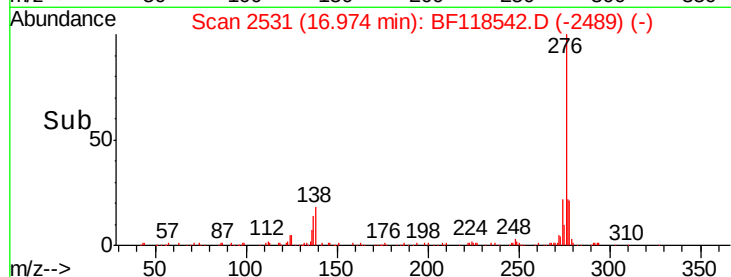
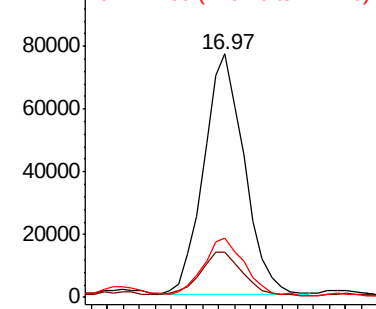


Abundance

Ion 276.00 (275.70 to 276.70): E

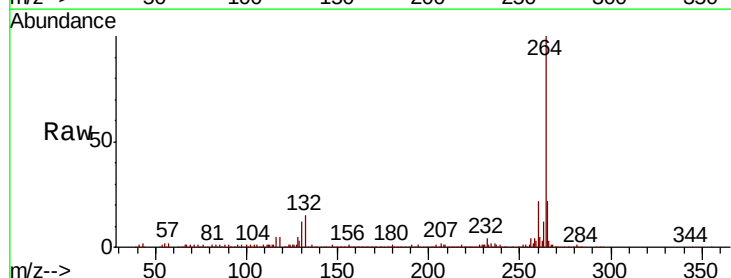
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.03 min
 Lab File: BF118542.D
 Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.8	28.2
265	22.3	17.5	26.3

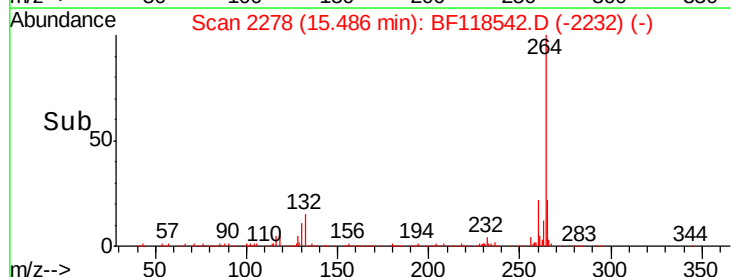
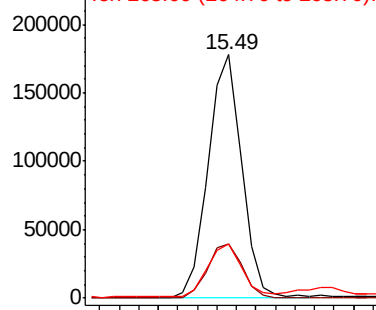


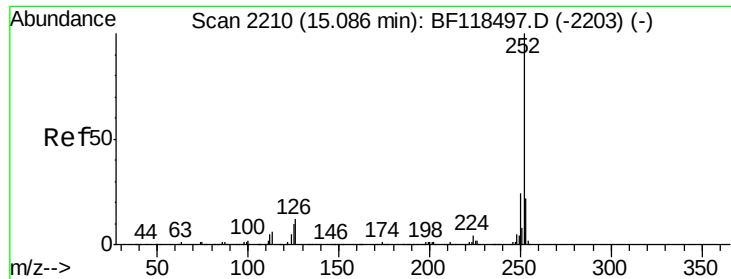
Abundance

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

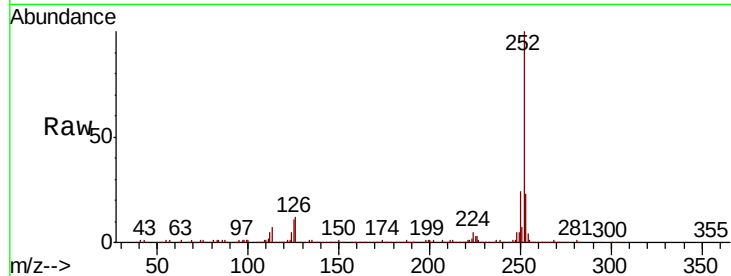




#88
Benzo(b)fluoranthene
Concen: 35.011 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	11.3	7.8	11.6

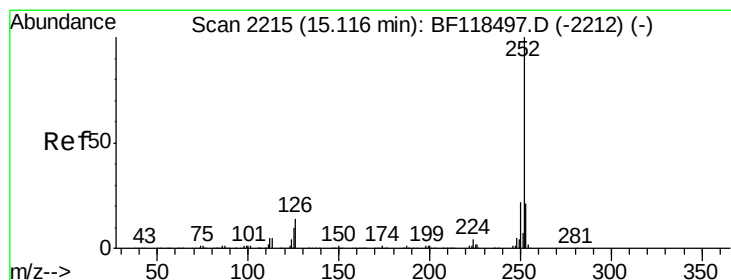
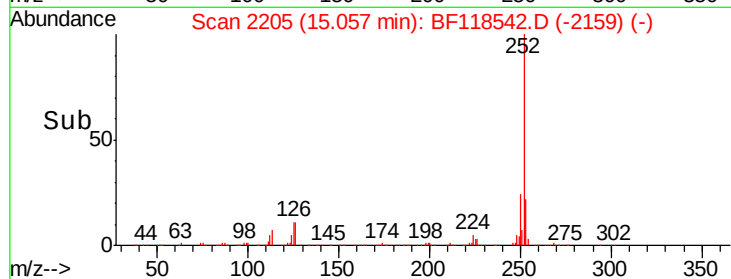
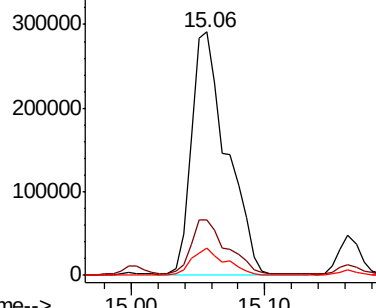


Abundance

Ion 252.00 (251.70 to 252.70): E

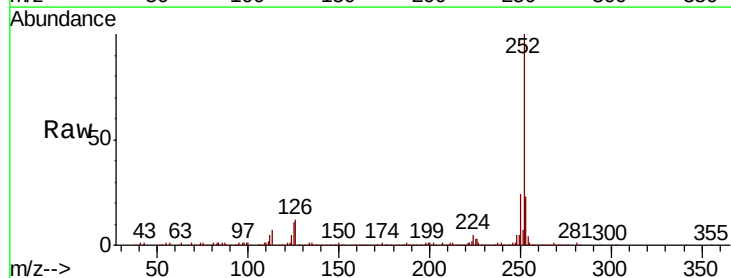
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 36.679 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF118542.D
Acq: 13 Jan 2020 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.3	7.8	11.6

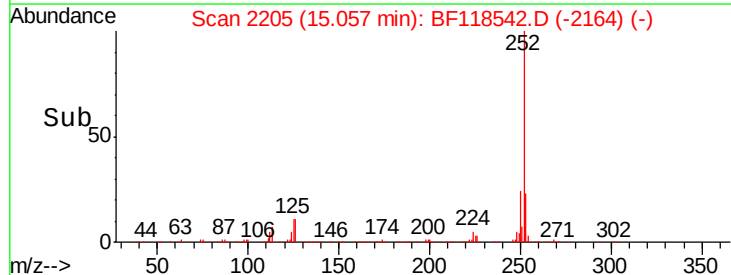
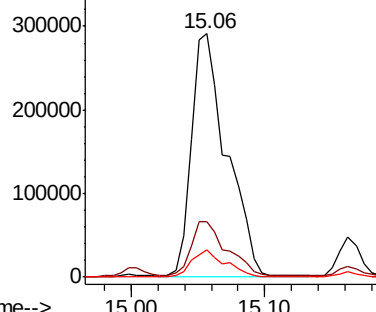


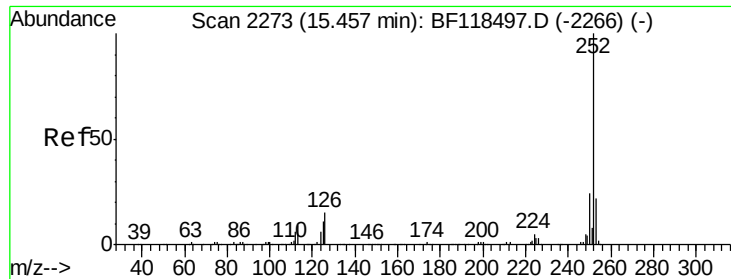
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 21.569 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.03 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampled :

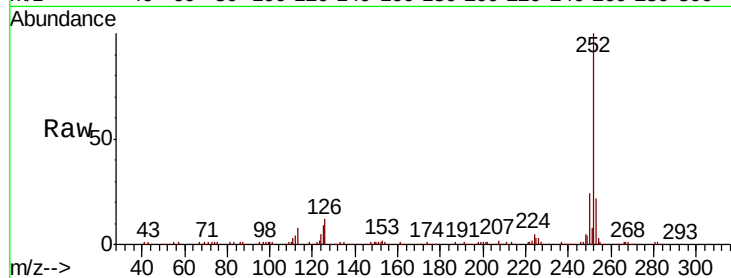
Tot Ion:252 Resp: 269916

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

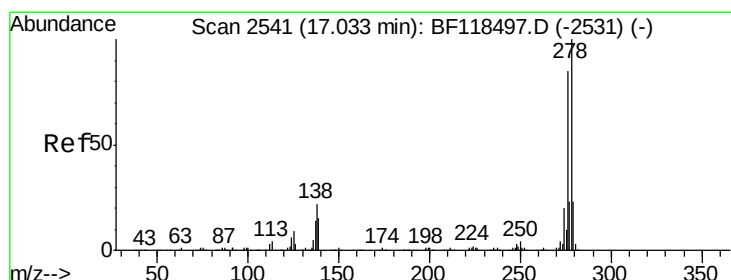
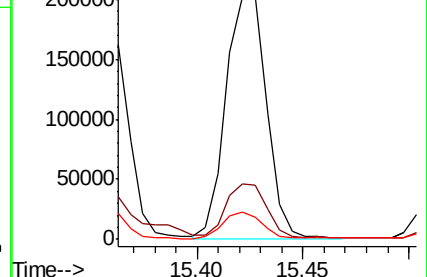
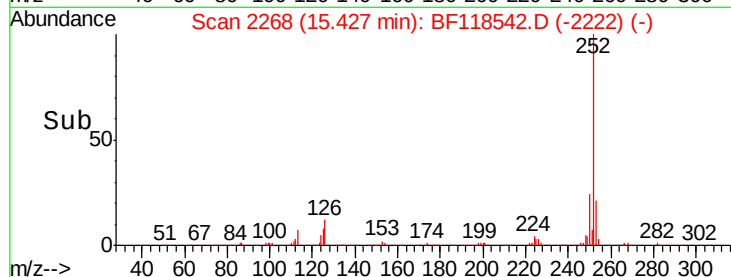
125 9.3 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.739 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.12 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

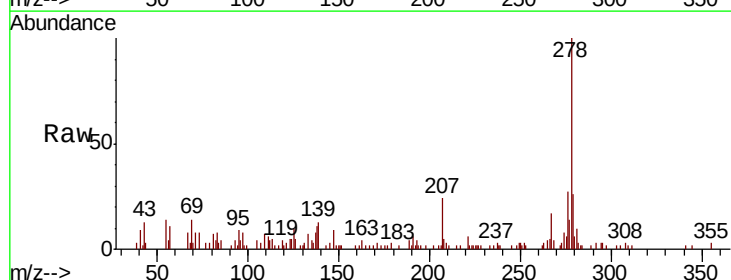
Tgt Ion:278 Resp: 32144

Ion Ratio Lower Upper

278 100

139 13.2 11.9 17.9

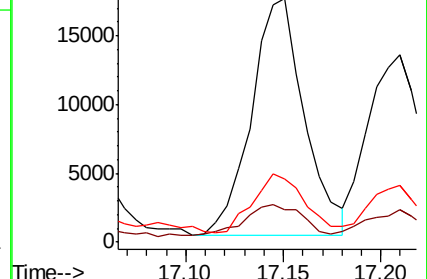
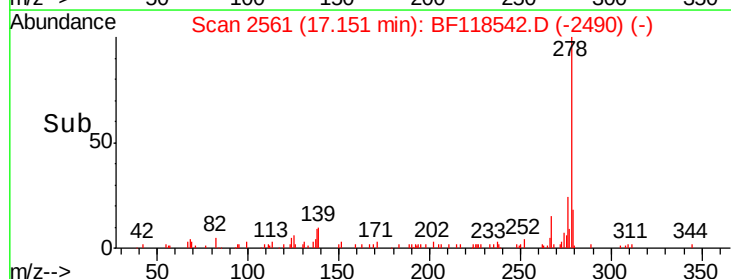
279 25.8 18.6 27.8

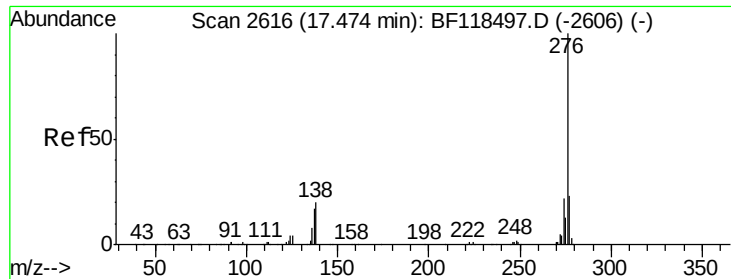


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.038 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.05 min

Lab File: BF118542.D

Acq: 13 Jan 2020 20:37

Instrument :

BNA_F

ClientSampleId :

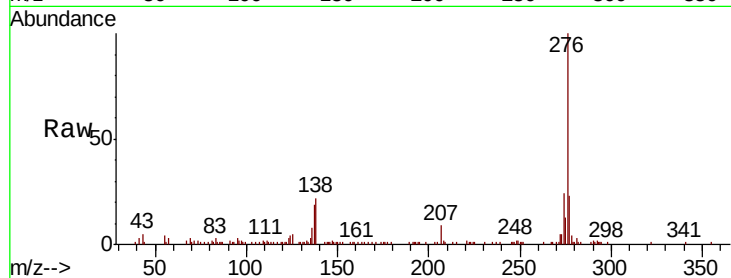
Tot Ion: 276 Resp: 122727

Ion Ratio Lower Upper

276 100

277 23.0 18.2 27.4

138 22.3 16.3 24.5



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

