

Data File : BF118469.D
Acq On : 3 Jan 2020 21:01
Operator : JU
Sample : K6484-46
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
40104-40111

Quant Time: Jan 04 00:07:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	72361	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	284461	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	139332	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	217877	20.00	ng	0.00
76) Chrysene-d12	14.04	240	187641	20.00	ng	0.00
87) Perylene-d12	15.54	264	190162	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	319561	75.38	ng	0.00
7) Phenol-d6	6.48	99	413955	78.72	ng	0.00
23) Nitrobenzene-d5	7.41	82	260216	52.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	114831	66.74	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	452074	49.53	ng	-0.01
79) Terphenyl-d14	12.97	244	408752	36.14	ng	-0.01

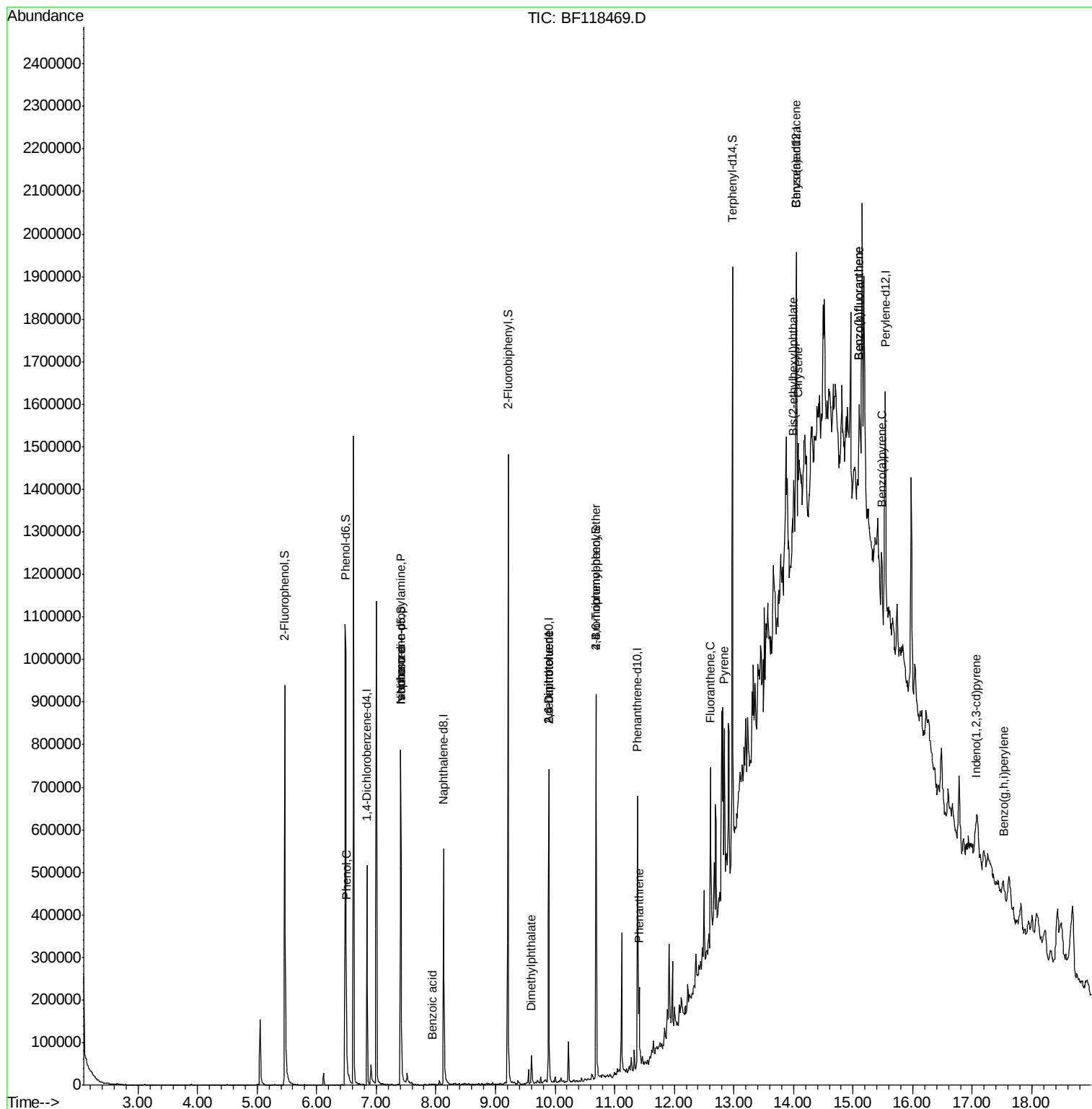
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	12243	2.071	ng	# 70
19) n-Nitroso-di-n-propylamine	7.41	70	35804	11.052	ng	# 81
25) Isophorone	7.41	82	260240	30.024	ng	# 62
32) Benzoic acid	7.93	122	220	5.741	ng	94
50) Dimethylphthalate	9.60	163	27141	2.595	ng	# 98
51) 2,6-Dinitrotoluene	9.89	165	18446	8.181	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	18446	6.122	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	6913	2.711	ng	# 1
71) Phenanthrene	11.41	178	56987	4.798	ng	99
75) Fluoranthene	12.61	202	133709	11.154	ng	99
78) Pyrene	12.84	202	118436	7.729	ng	99
81) Benzo(a)anthracene	14.04	228	60938	4.640	ng	97
83) Chrysene	14.07	228	67722	5.385	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	43322	4.775	ng	95
86) Indeno(1,2,3-cd)pyrene	17.06	276	34926	3.259	ng	95
88) Benzo(b)fluoranthene	15.10	252	125487	9.941	ng	# 69
89) Benzo(k)fluoranthene	15.10	252	125487	10.353	ng	# 70
90) Benzo(a)pyrene	15.48	252	57320	5.155	ng	# 63
92) Benzo(g,h,i)perylene	17.52	276	36154	3.879	ng	# 91

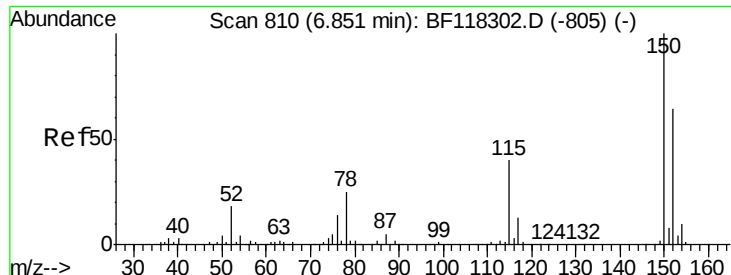
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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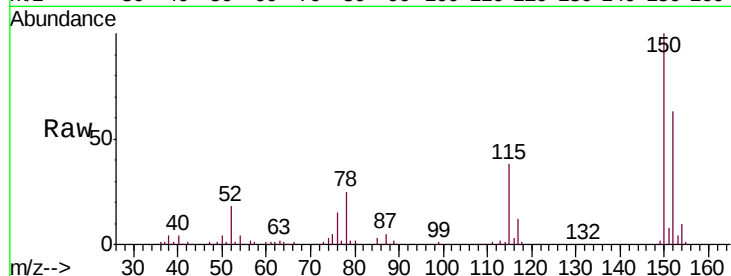




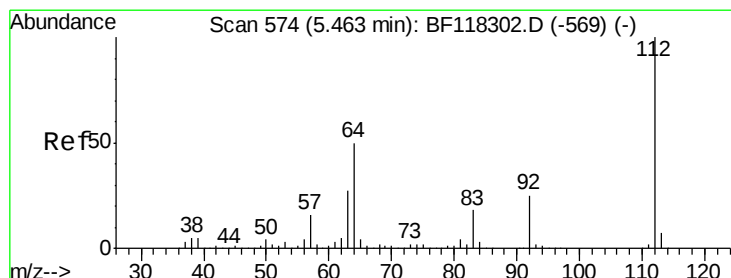
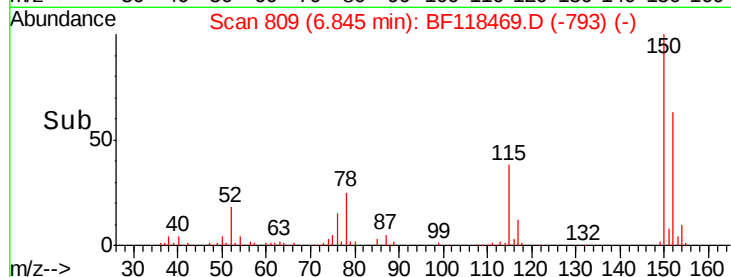
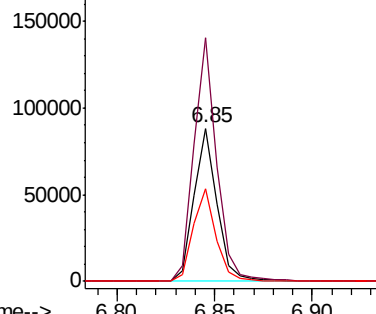
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 40104-40111

Tgt Ion:152 Resp: 72361
 Ion Ratio Lower Upper
 152 100
 150 158.8 125.4 188.2
 115 60.8 50.2 75.4

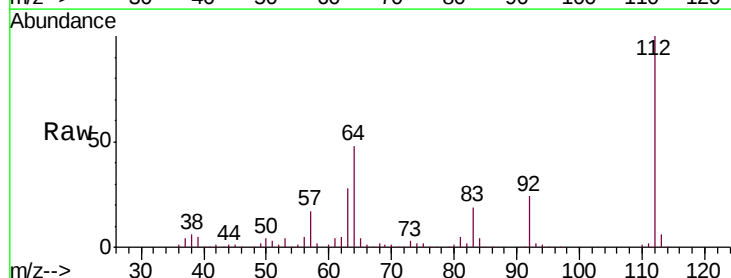


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

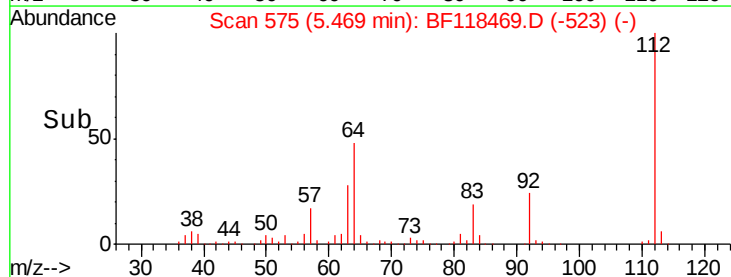
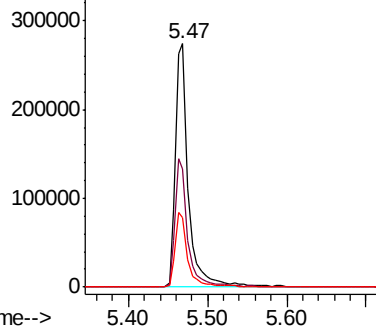


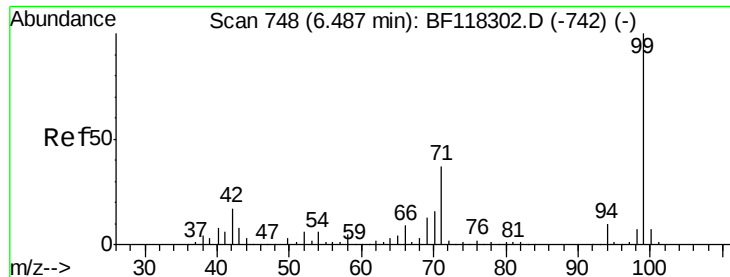
#5
 2-Fluorophenol
 Concen: 75.384 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Tgt Ion:112 Resp: 319561
 Ion Ratio Lower Upper
 112 100
 64 48.5 39.7 59.5
 63 28.4 21.7 32.5



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: 78.718 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

Instrument :

BNA_F

ClientSampleId :

40104-40111

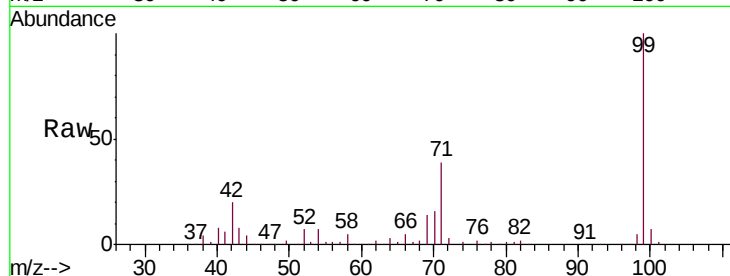
Tgt Ion: 99 Resp: 413955

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

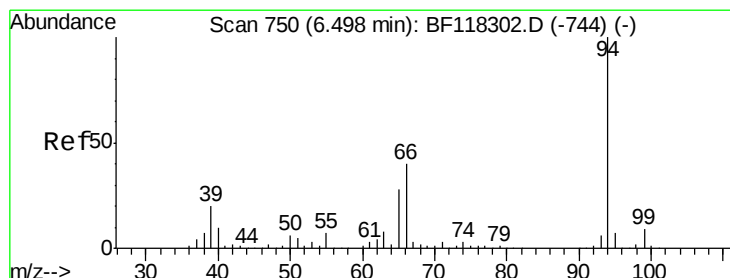
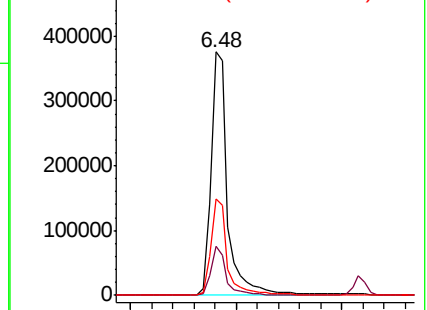
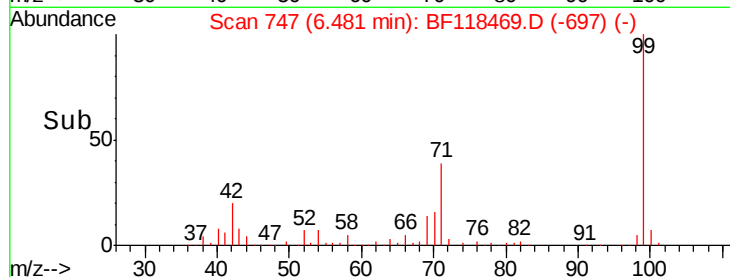
71 39.5 29.4 44.2



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



#10

Phenol

Concen: 2.071 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

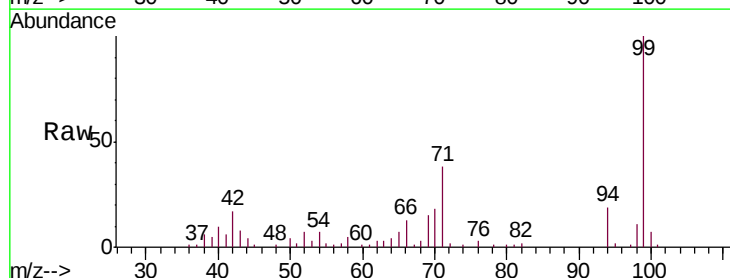
Tgt Ion: 94 Resp: 12243

Ion Ratio Lower Upper

94 100

65 36.8 7.8 47.8

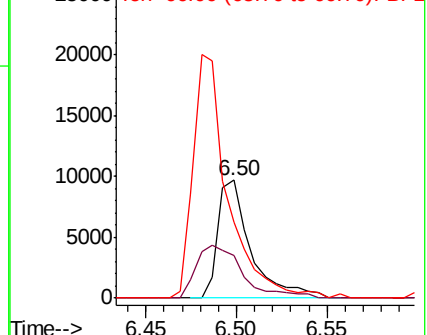
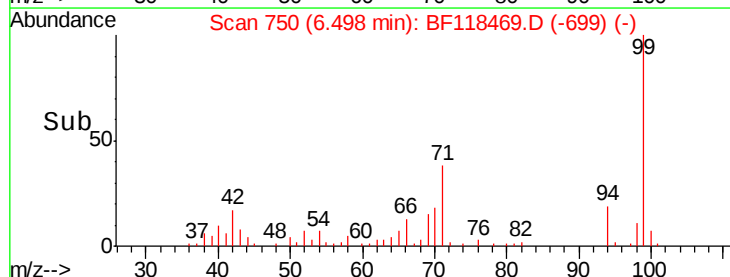
66 64.8 20.4 60.4#

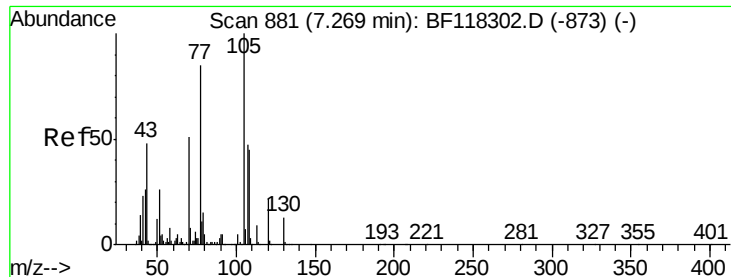


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

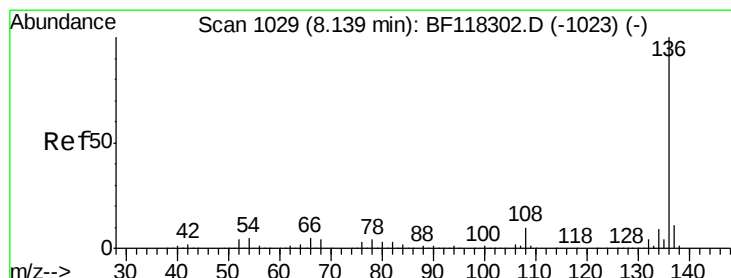
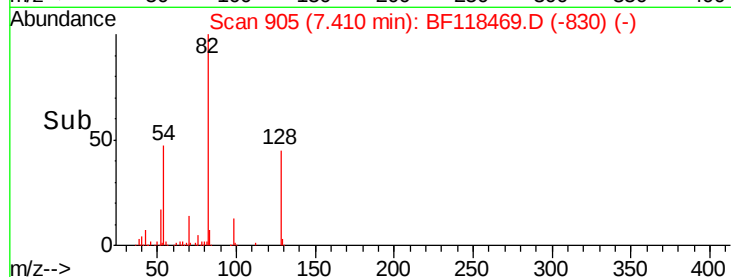
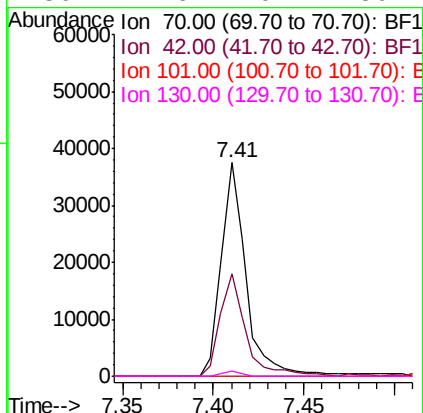
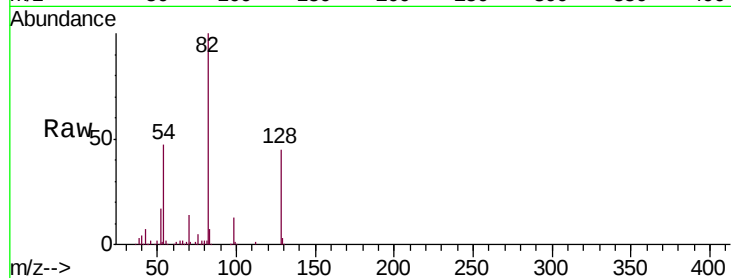




#19
n-Nitroso-di-n-propylamine
Concen: 11.052 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

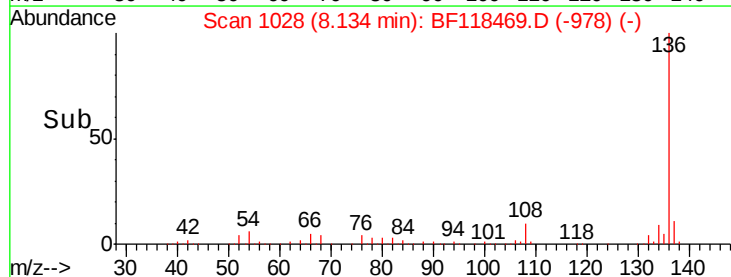
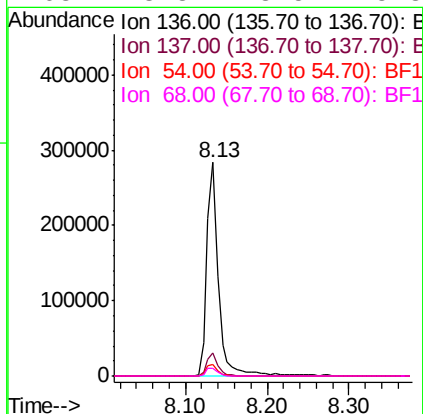
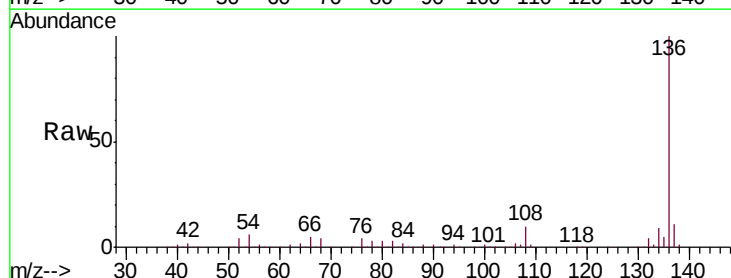
Instrument :
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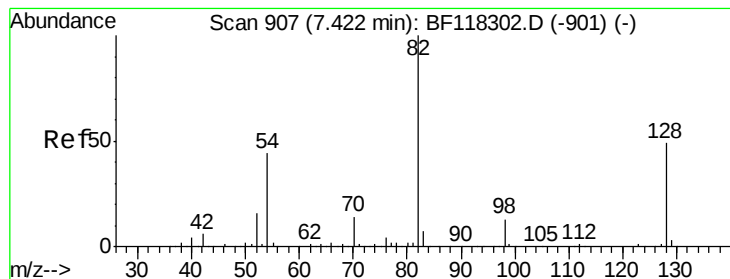
Tgt Ion: 70 Resp: 35804
Ion Ratio Lower Upper
70 100
42 48.0 41.1 61.7
101 0.0 8.3 12.5#
130 2.6 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion: 136 Resp: 284461
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 5.5 4.2 6.4
68 3.8 3.5 5.3





#23

Nitrobenzene-d5

Concen: 52.320 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

Instrument :

BNA_F

ClientSampleId :

40104-40111

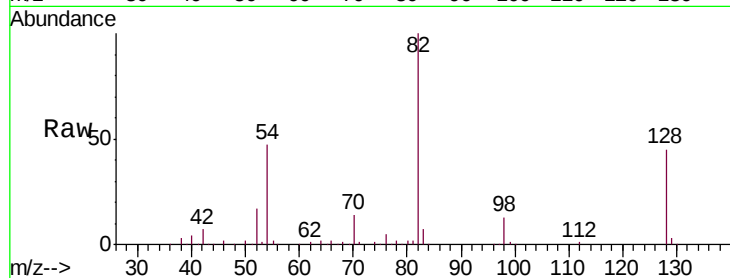
Tgt Ion: 82 Resp: 260216

Ion Ratio Lower Upper

82 100

128 45.5 39.6 59.4

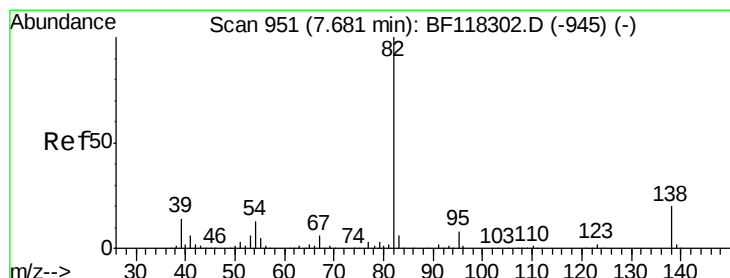
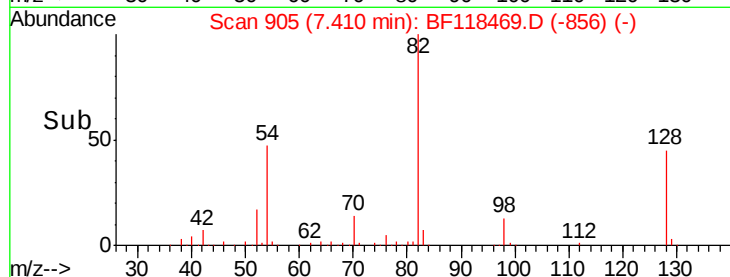
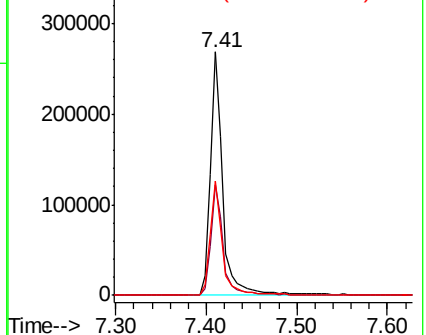
54 46.7 34.9 52.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 30.024 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

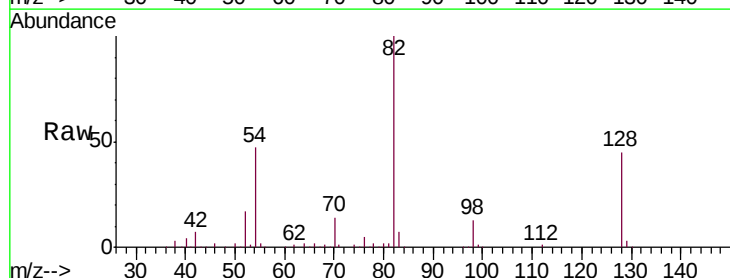
Tgt Ion: 82 Resp: 260240

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

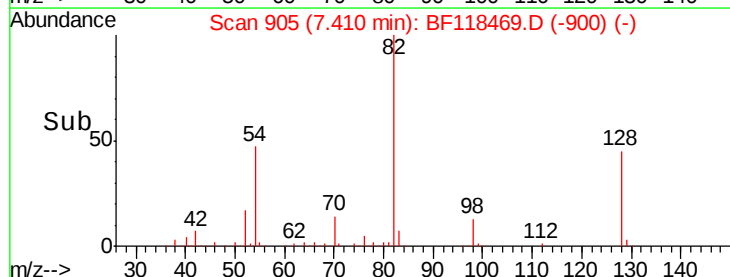
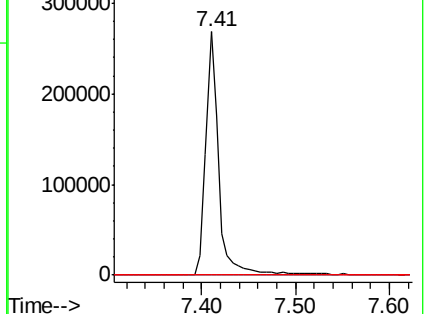
138 0.0 16.2 24.2#

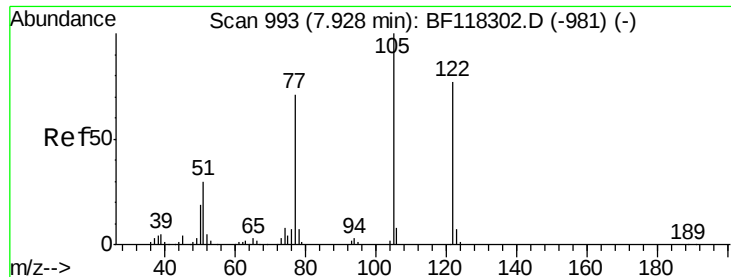


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 5.741 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF118469.D

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40104-40111

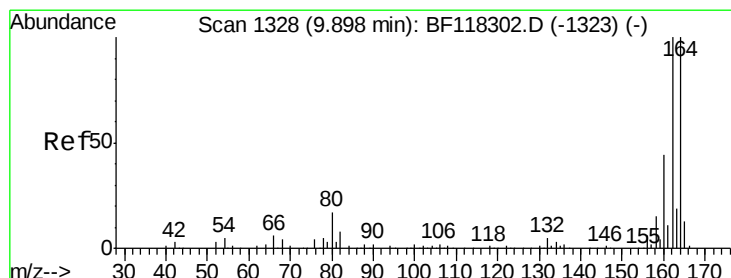
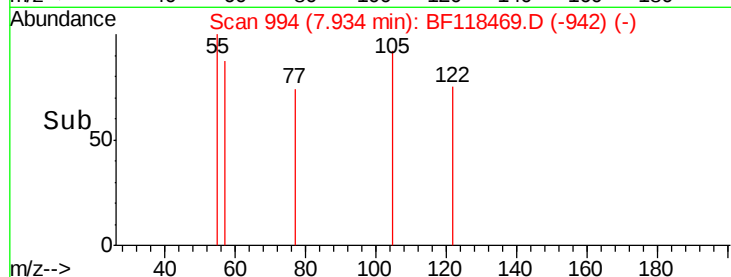
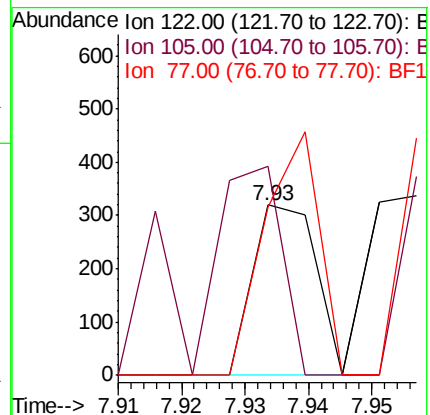
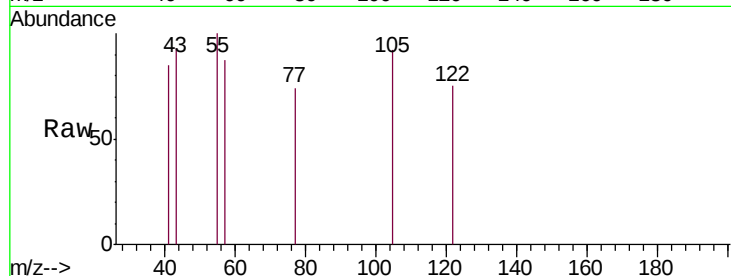
Tgt Ion:122 Resp: 220

Ion Ratio Lower Upper

122 100

105 122.5 106.8 146.8

77 98.8 70.4 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

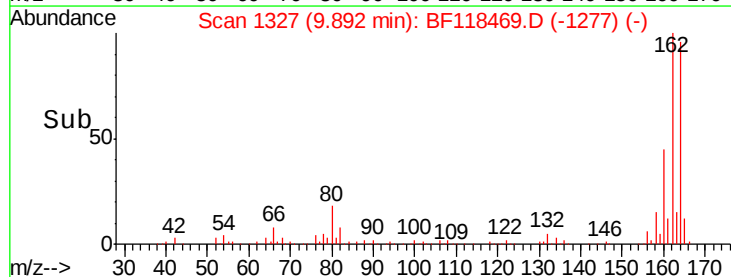
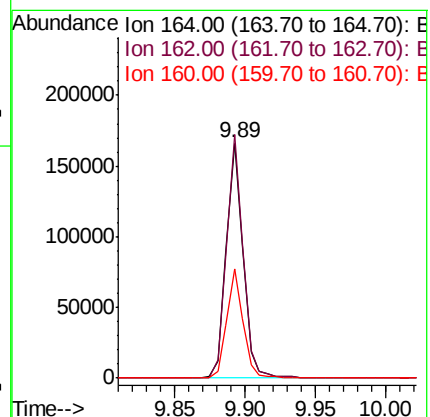
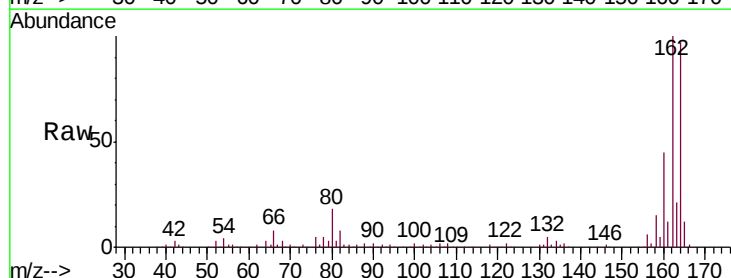
Tgt Ion:164 Resp: 139332

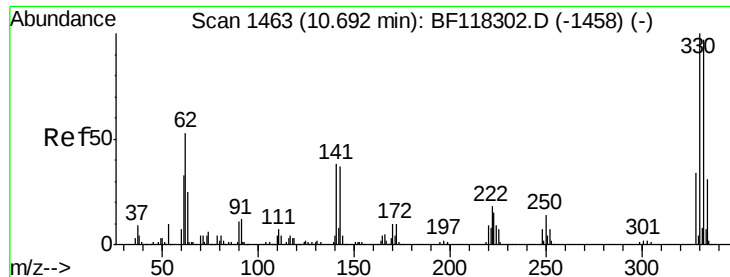
Ion Ratio Lower Upper

164 100

162 103.6 80.0 120.0

160 46.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 66.737 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF118469.D

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ClientSampled :

40104-40111

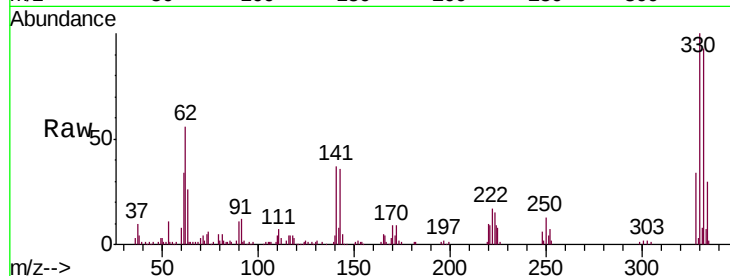
Tgt Ion:330 Resp: 114831

Ion Ratio Lower Upper

330 100

332 94.0 76.6 114.8

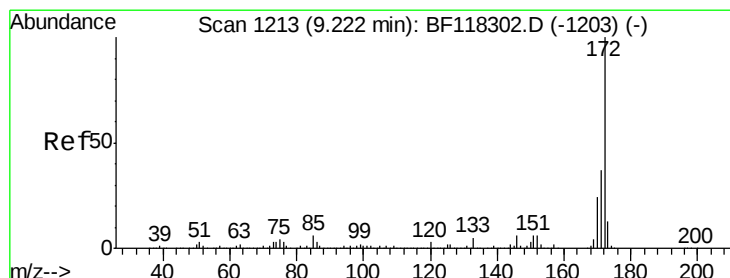
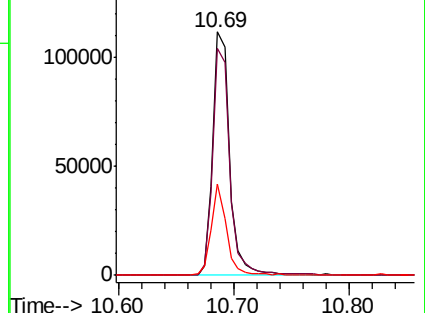
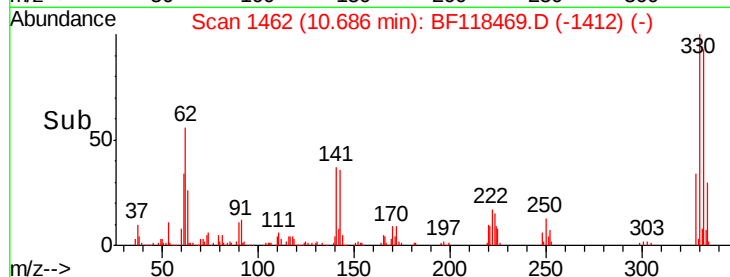
141 34.2 26.0 39.0



Abundance Ion 329.80 (329.50 to 330.50): E

150000 Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 49.528 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

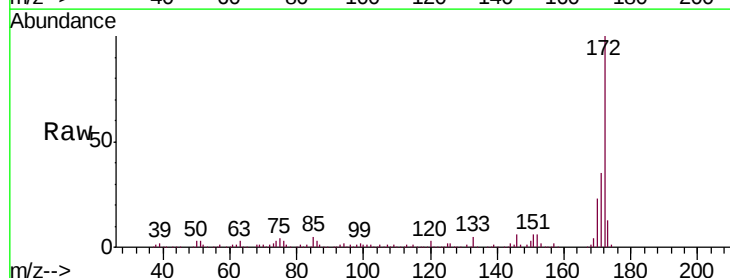
Tgt Ion:172 Resp: 452074

Ion Ratio Lower Upper

172 100

171 35.2 29.3 43.9

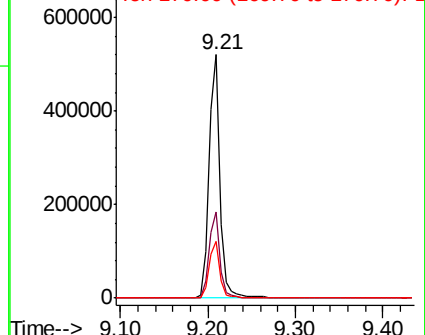
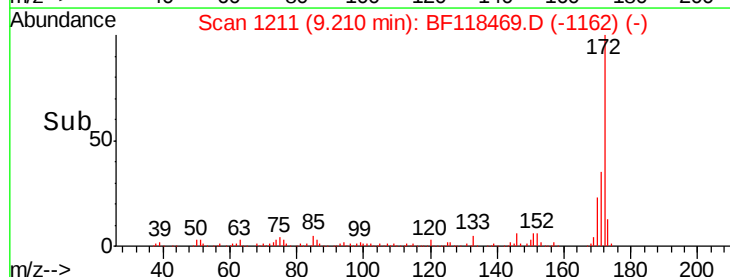
170 23.2 19.2 28.8

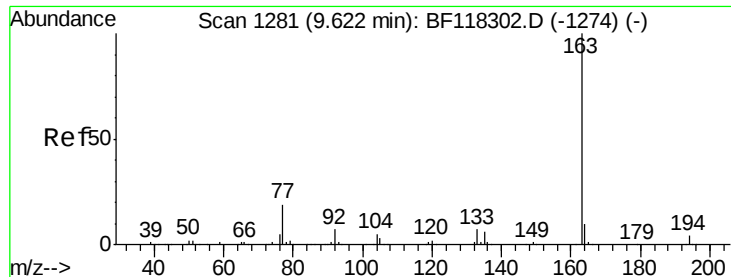


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

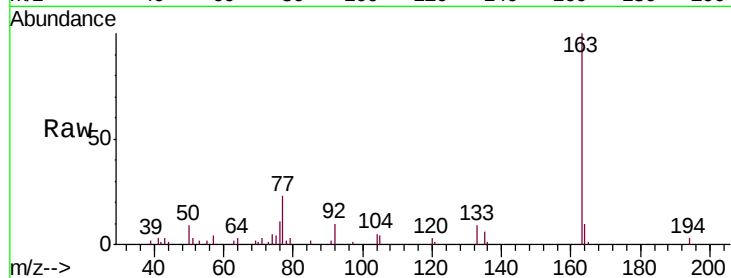




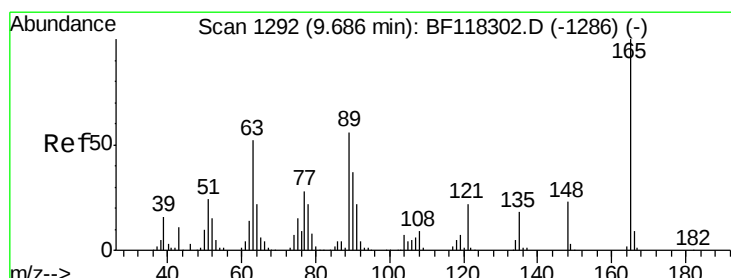
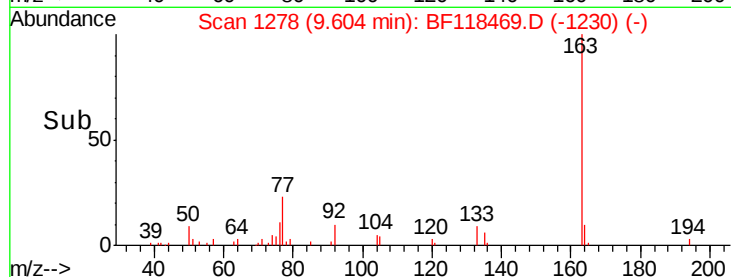
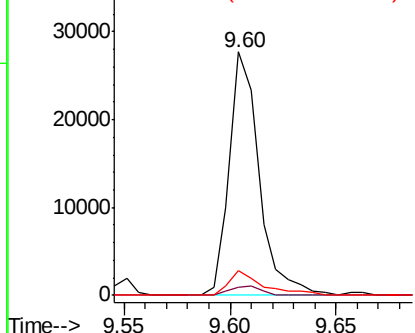
#50
Dimethylphthalate
Concen: 2.595 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Instrument :
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Tgt Ion:163 Resp: 27141
Ion Ratio Lower Upper
163 100
194 3.2 3.2 4.8#
164 10.4 7.9 11.9

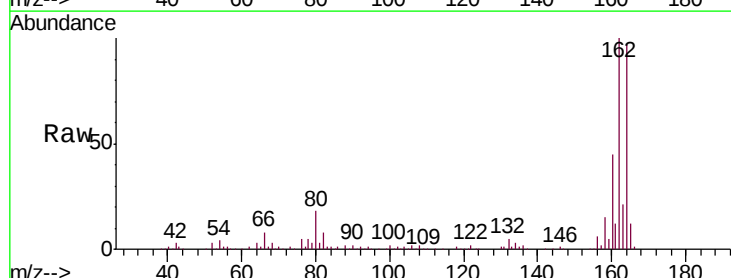


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

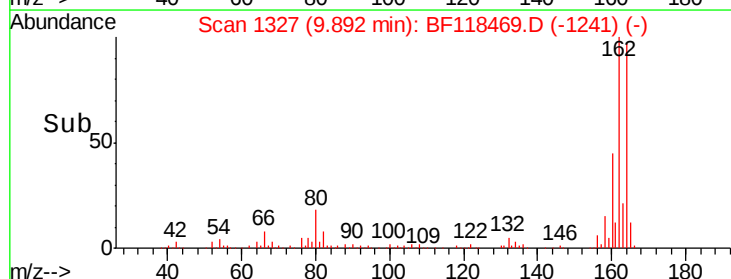
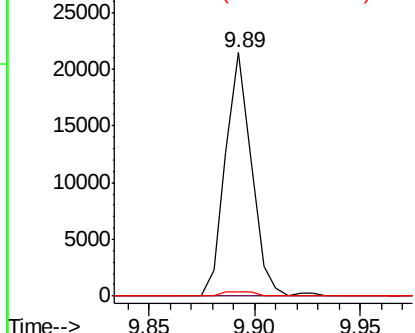


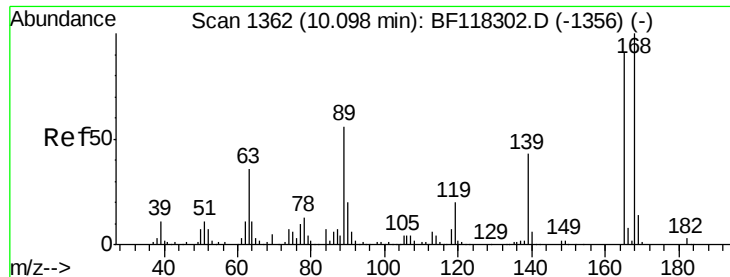
#51
2,6-Dinitrotoluene
Concen: 8.181 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion:165 Resp: 18446
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 1.7 44.4 66.6#



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

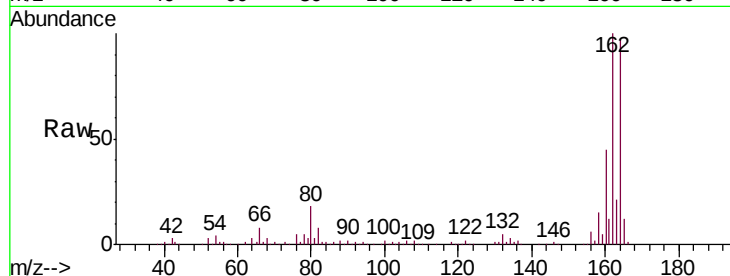




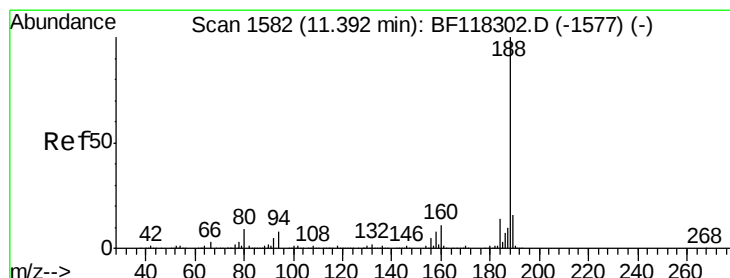
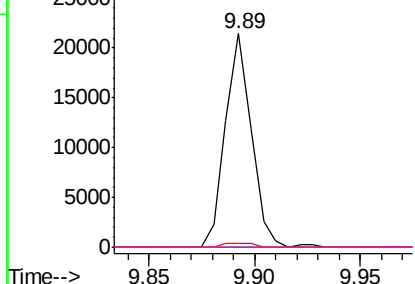
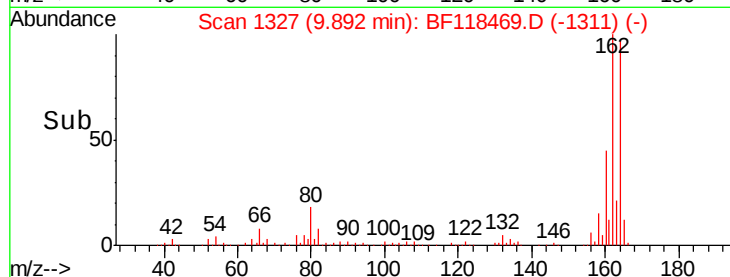
#57
2,4-Dinitrotoluene
Concen: 6.122 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.21 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Instrument :
BNA_F
ClientSampleId :
40104-40111

Tgt Ion:	165	Resp:	18446
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.7	49.3	73.9#
182	0.0	2.4	3.6#

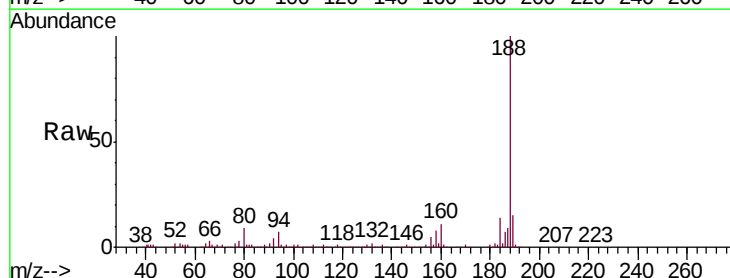


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

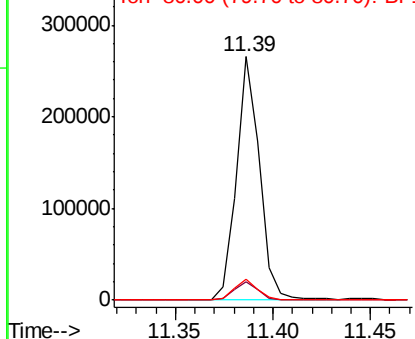
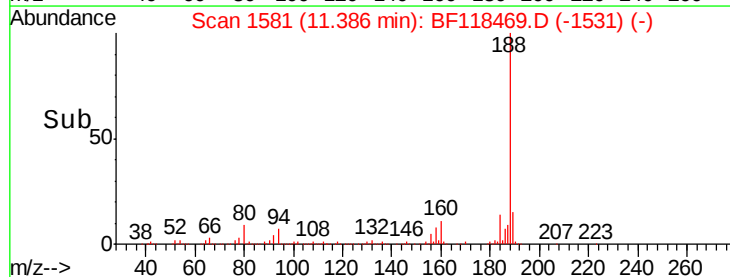


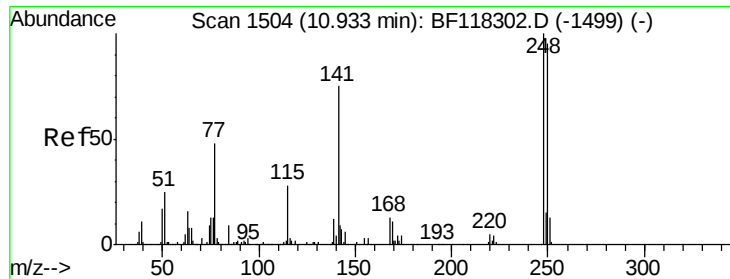
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion:	188	Resp:	217877
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.6	7.2	10.8



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

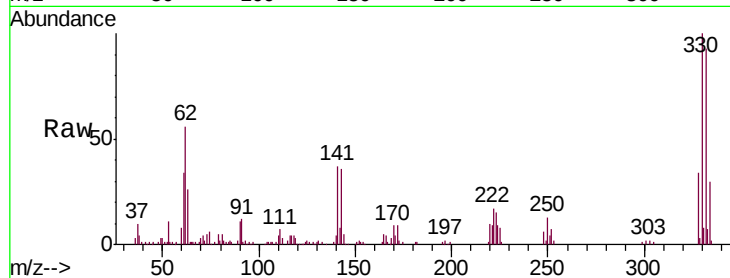




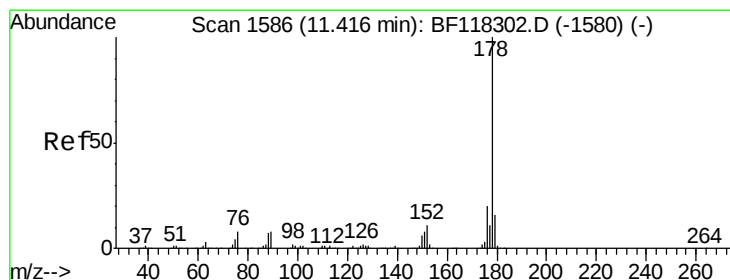
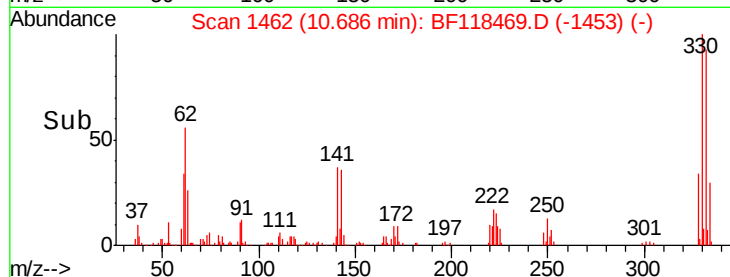
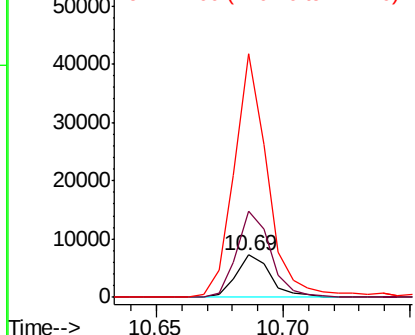
#67
 4-Bromophenyl-phenylether
 Concen: 2.711 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 40104-40111

Tgt Ion:248 Resp: 6913
 Ion Ratio Lower Upper
 248 100
 250 206.0 76.4 114.6#
 141 578.7 60.2 90.2#

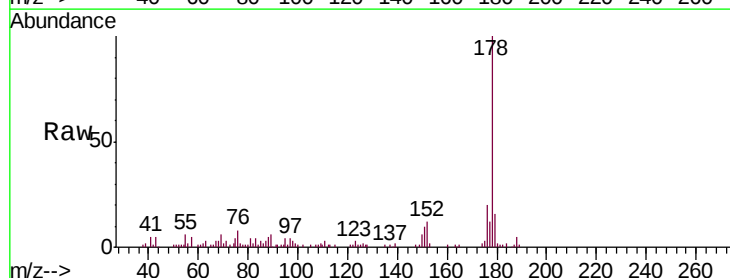


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

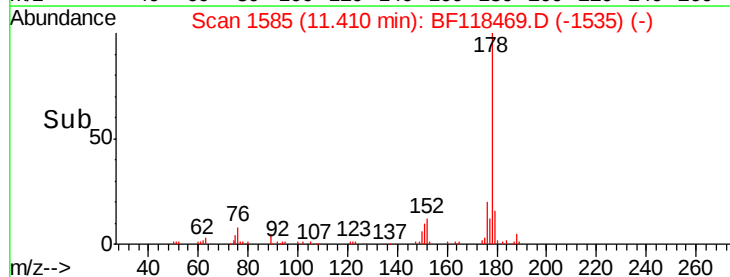
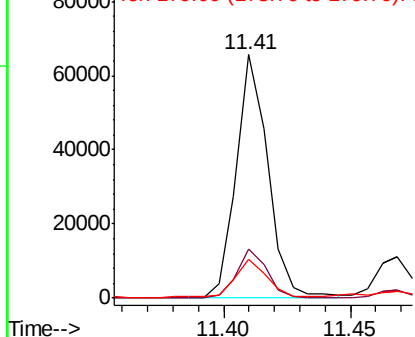


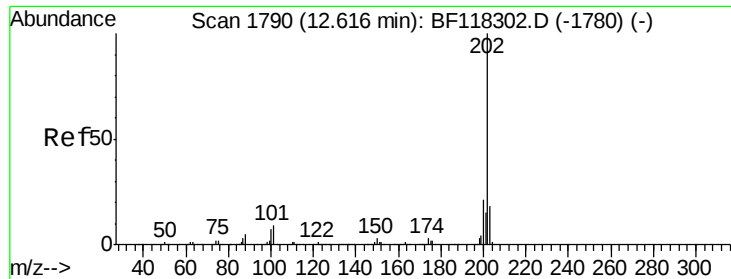
#71
 Phenanthrene
 Concen: 4.798 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Tgt Ion:178 Resp: 56987
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.6 23.4
 179 16.1 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





#75

Fluoranthene

Concen: 11.154 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

Instrument :

BNA_F

ClientSampleId :

40104-40111

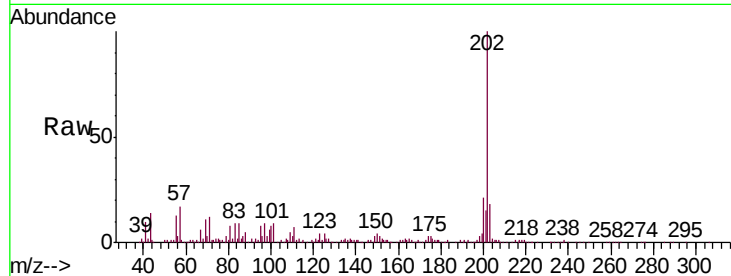
Tgt Ion:202 Resp: 133709

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.5

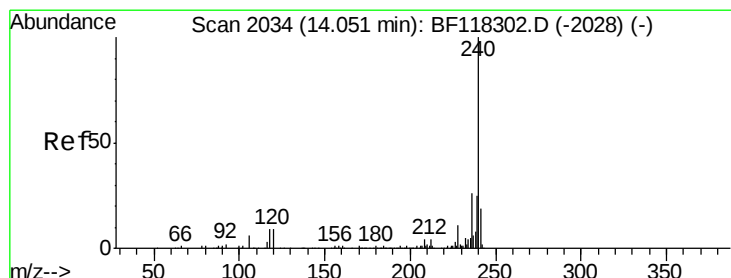
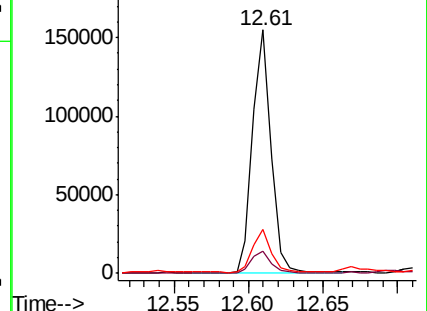
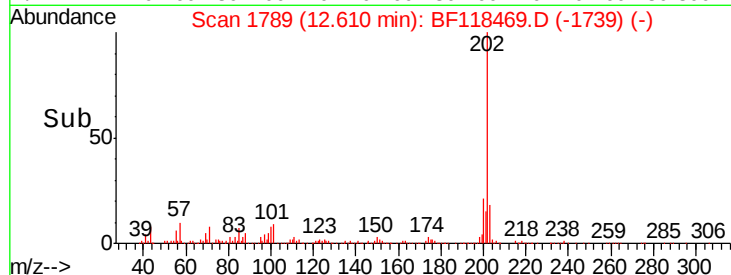
203 18.0 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

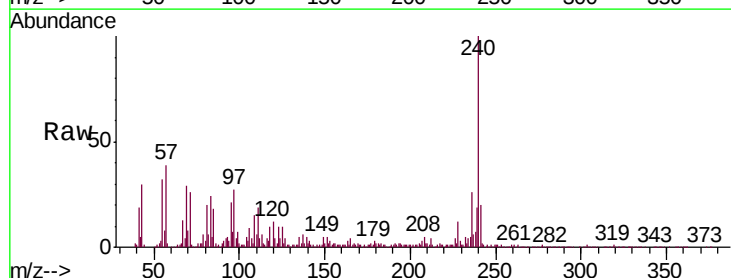
Tgt Ion:240 Resp: 187641

Ion Ratio Lower Upper

240 100

120 12.0 7.1 10.7#

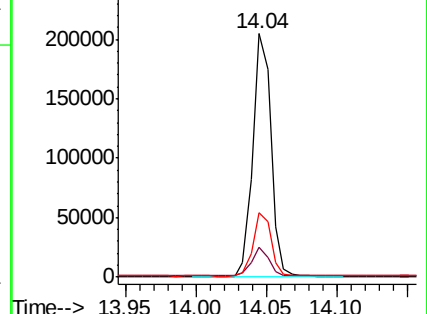
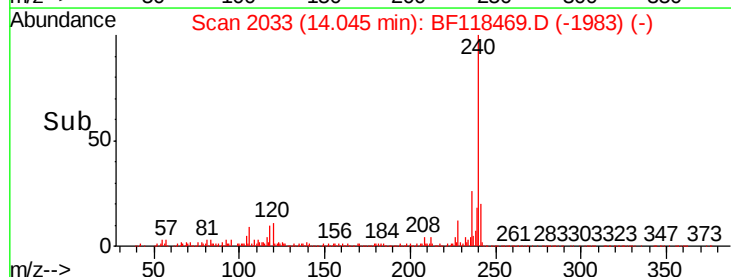
236 26.2 21.0 31.6

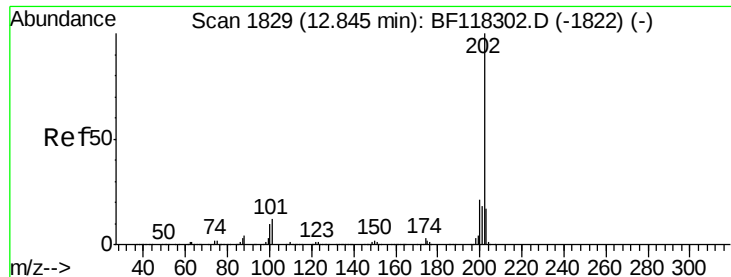


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 7.729 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

Instrument :

BNA_F

ClientSampleId :

40104-40111

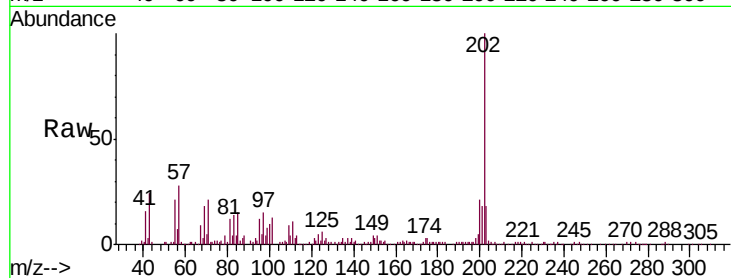
Tgt Ion:202 Resp: 118436

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

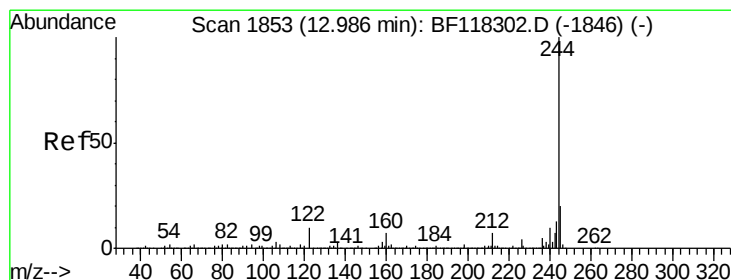
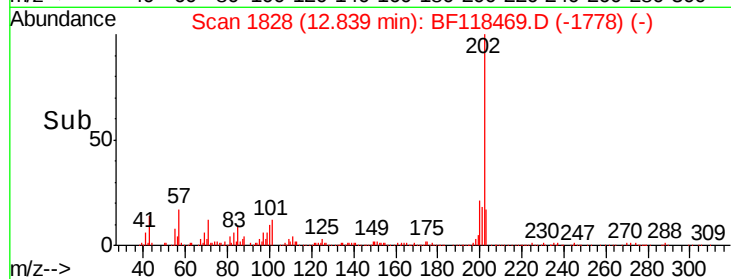
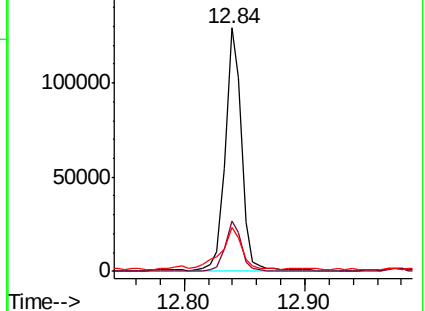
203 17.9 13.9 20.9



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: 36.140 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

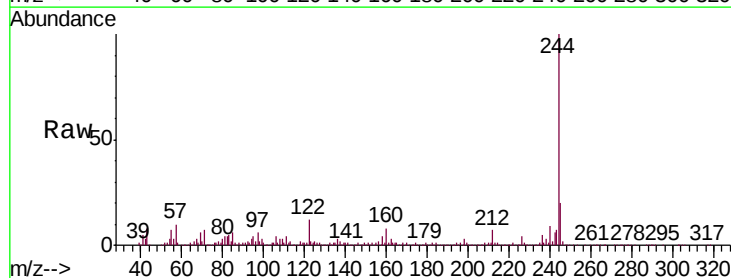
Tgt Ion:244 Resp: 408752

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

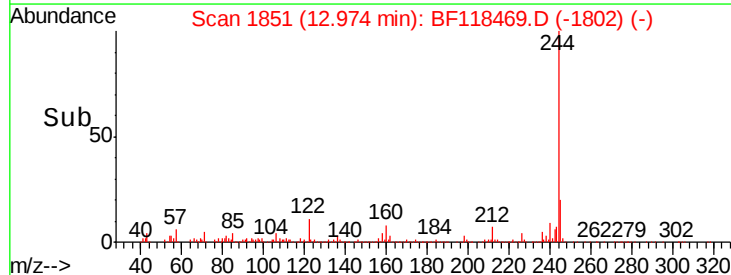
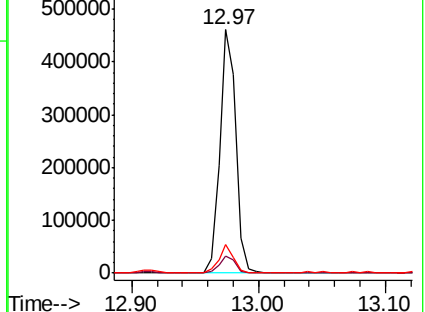
122 11.5 7.8 11.8

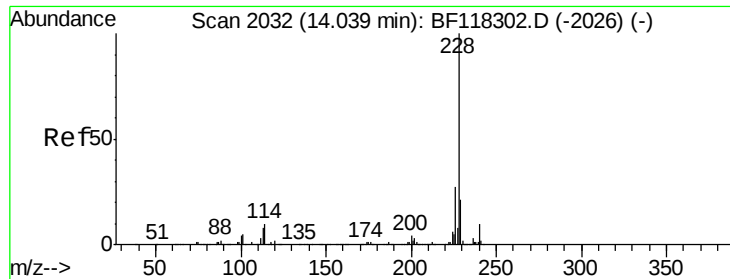


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

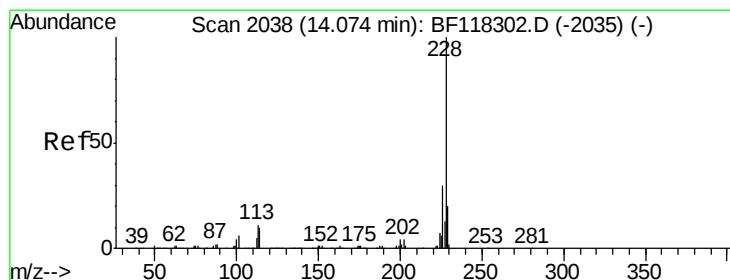
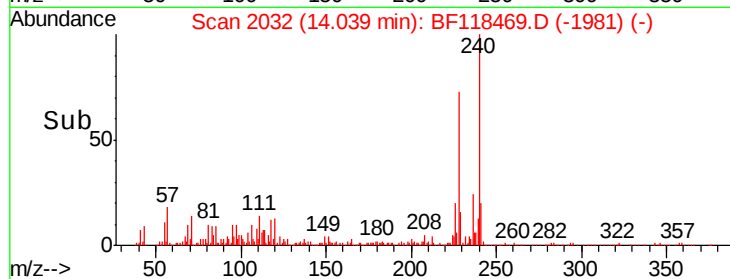
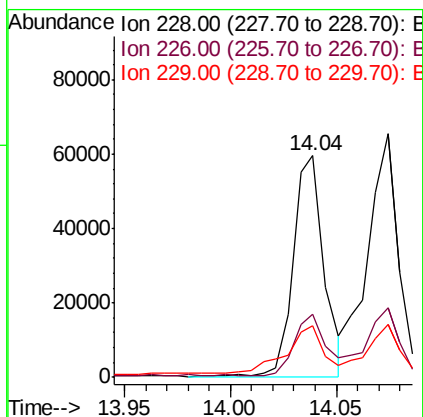
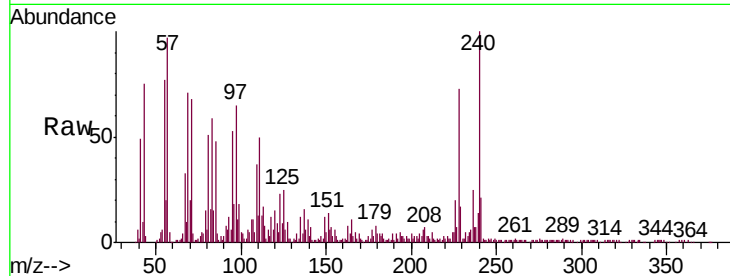




#81
Benzo(a)anthracene
Concen: 4.640 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

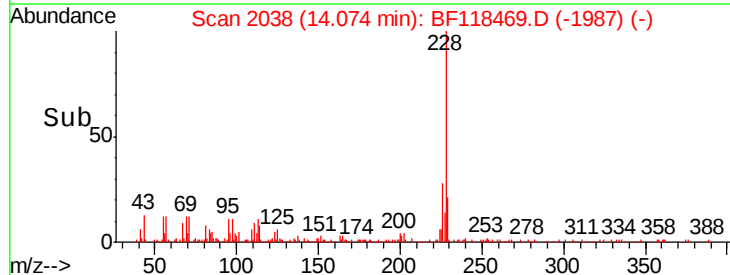
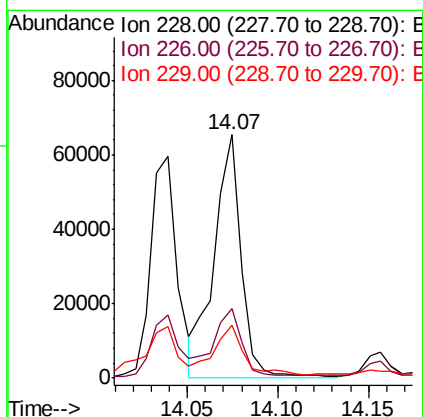
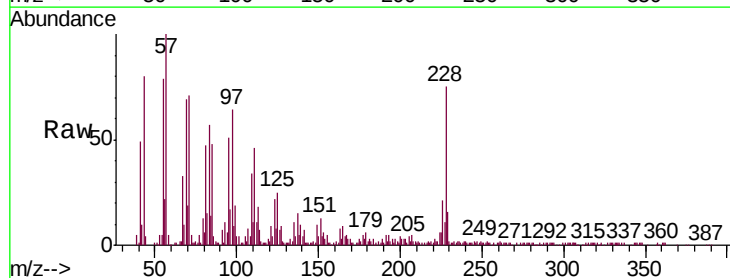
Instrument :
BNA_F
ClientSampleId :
40104-40111

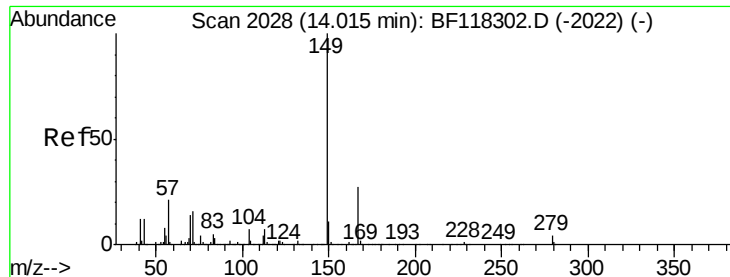
Tgt Ion:228 Resp: 60938
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 23.1 16.6 24.8



#83
Chrysene
Concen: 5.385 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion:228 Resp: 67722
Ion Ratio Lower Upper
228 100
226 28.4 23.9 35.9
229 21.8 16.1 24.1

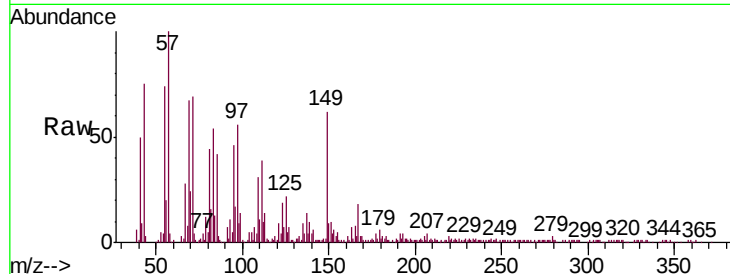




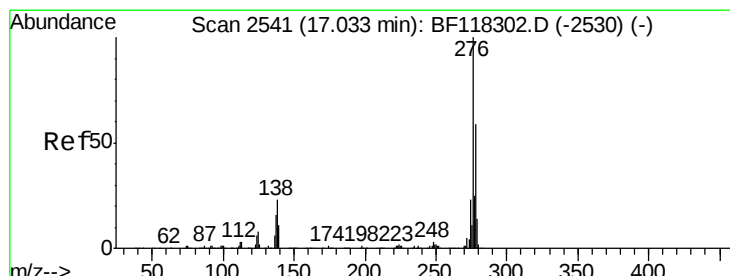
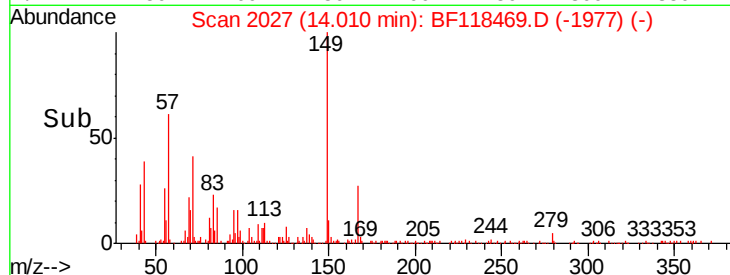
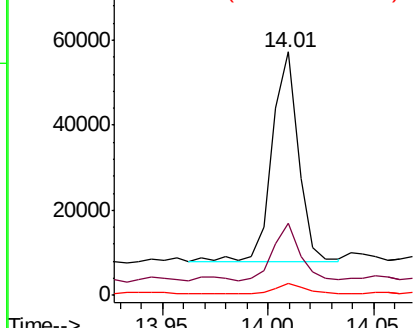
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.775 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Instrument :
 BNA_F
 ClientSampleId :
 40104-40111

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.6	21.3	31.9
279	5.0	3.4	5.2

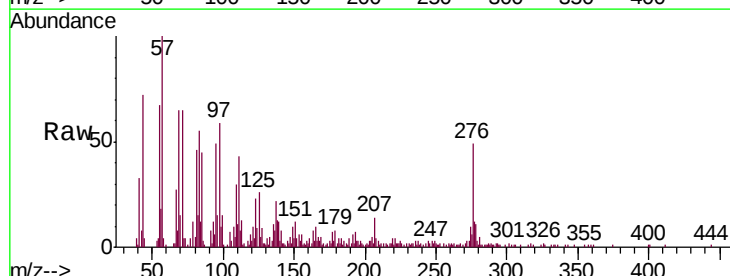


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

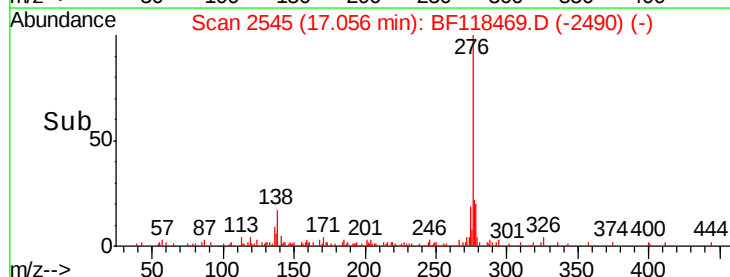
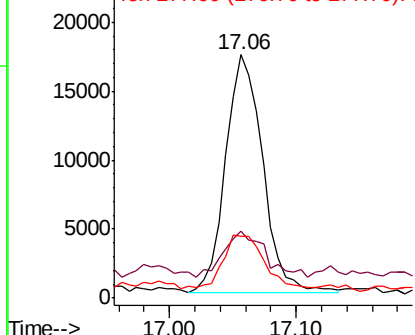


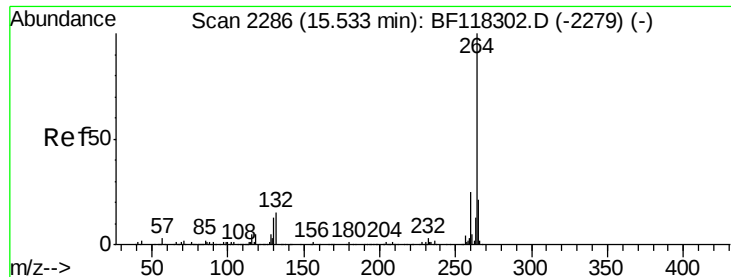
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.259 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.02 min
 Lab File: BF118469.D
 Acq: 3 Jan 2020 21:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.5	29.3
277	23.5	20.6	30.8



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



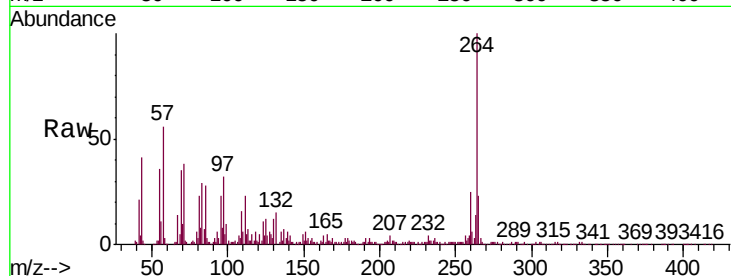


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Instrument :
BNA_F
ClientSampleId :
40104-40111

Tgt Ion: 264 Resp: 190162

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.6
265	22.7	17.0	25.4

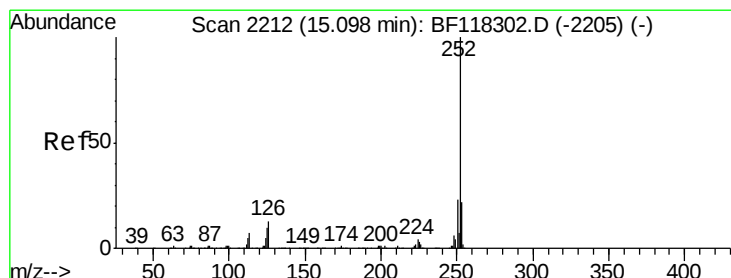
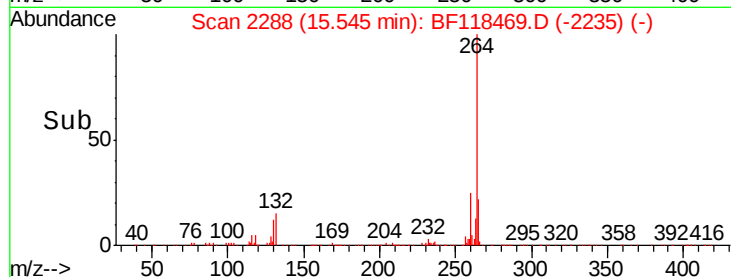
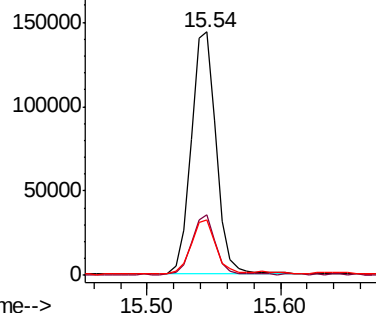


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

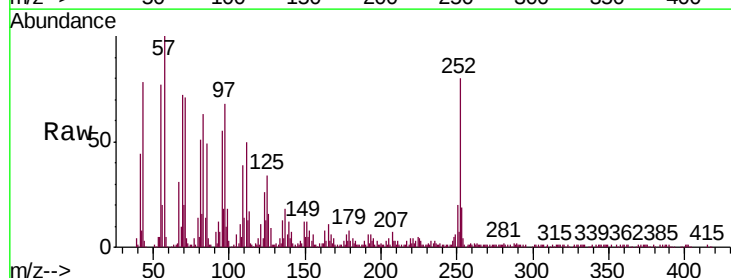
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 9.941 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion: 252 Resp: 125487

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	42.8	7.7	11.5#

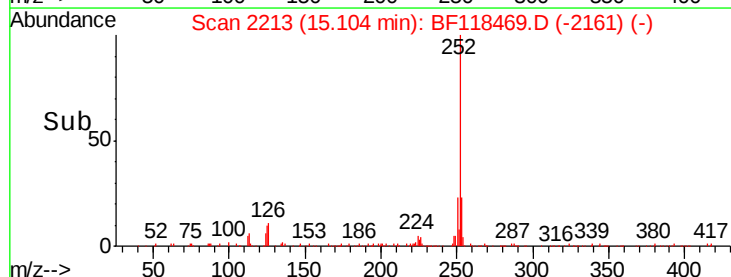
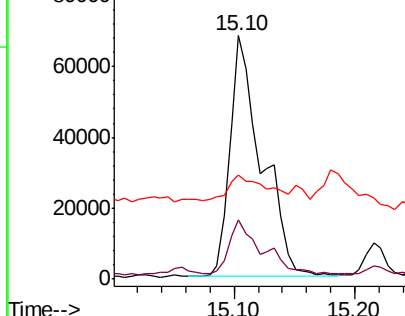


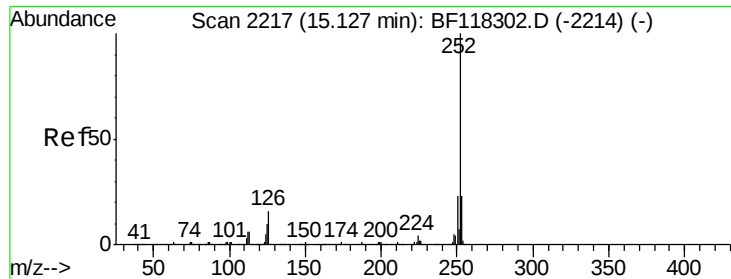
Abundance

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

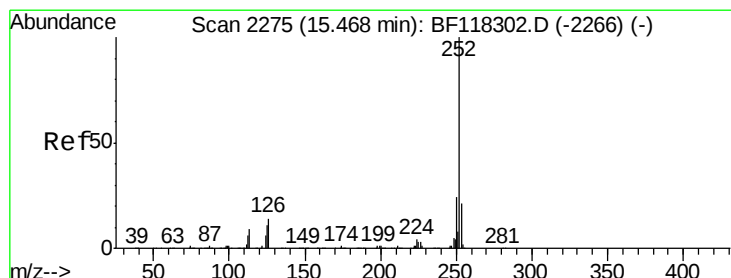
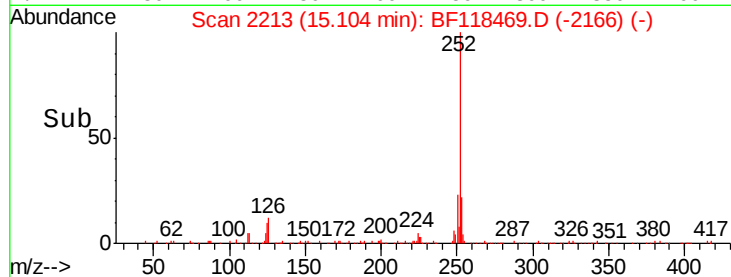
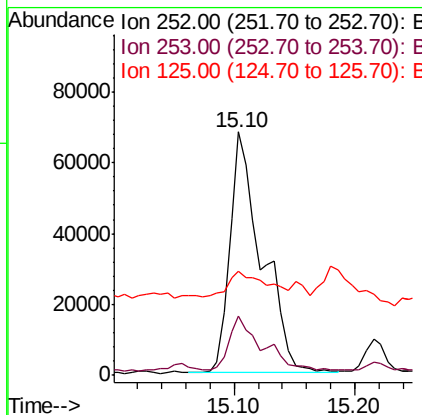
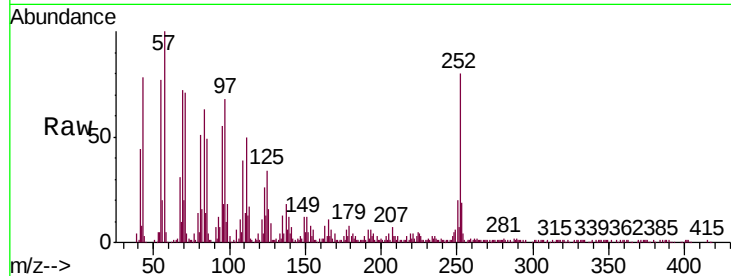




#89
Benzo(k)fluoranthene
Concen: 10.353 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

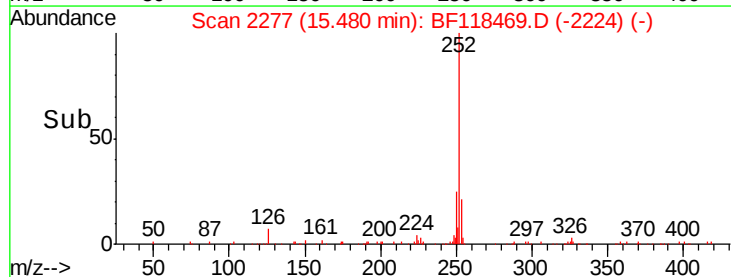
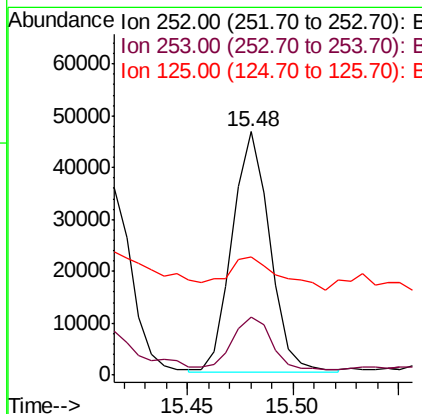
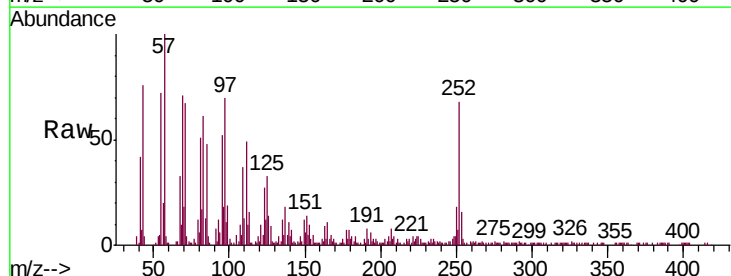
Instrument :
BNA_F
ClientSampleId :
40104-40111

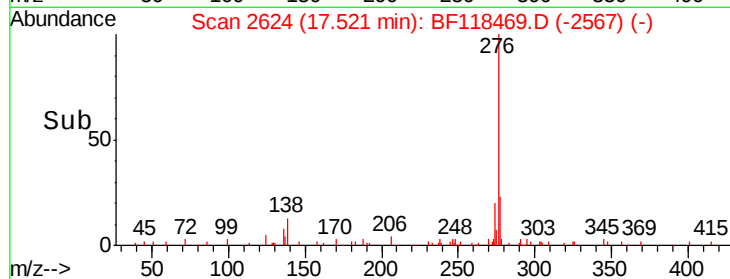
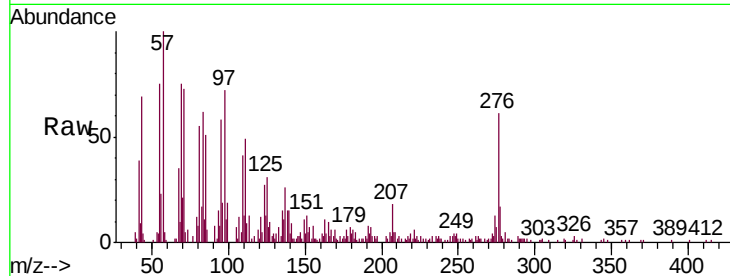
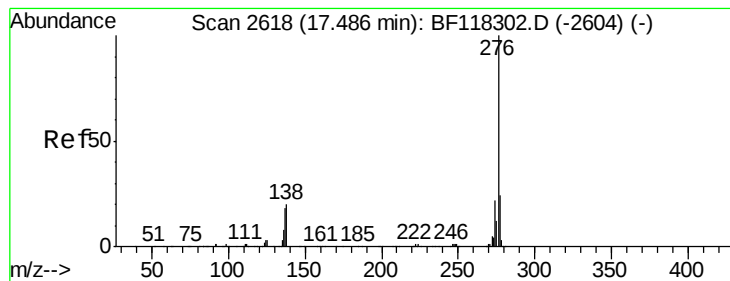
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	42.8	8.0	12.0



#90
Benzo(a)pyrene
Concen: 5.155 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118469.D
Acq: 3 Jan 2020 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	48.6	9.0	13.4





#92

Benzo(g,h,i)perylene

Concen: 3.879 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.04 min

Lab File: BF118469.D

Acq: 3 Jan 2020 21:01

Instrument :

BNA_F

ClientSampleId :

40104-40111

Tgt Ion:276 Resp: 36154

Ion Ratio Lower Upper

276 100

277 27.8 19.1 28.7

138 25.3 16.1 24.1#

