

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118048.D
 Acq On : 27 Nov 2019 18:37
 Operator : JU
 Sample : K5959-10 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:15:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	128579	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	493450	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	233489	20.00	ng	-0.01
64) Phenanthrene-d10	11.44	188	360470	20.00	ng	0.00
76) Chrysene-d12	14.12	240	243319	20.00	ng	0.03
87) Perylene-d12	15.63	264	300257	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	66201	9.11	ng	0.00
7) Phenol-d6	6.50	99	86126	9.83	ng	-0.02
23) Nitrobenzene-d5	7.44	82	49505	5.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	19033	7.70	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	98585	7.57	ng	-0.02
79) Terphenyl-d14	13.03	244	101815	7.65	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	267	Below Cal		# 1
20) 3+4-Methylphenols	7.29	107	20650	2.492	ng	89
25) Isophorone	7.44	82	49504	3.254	ng	# 62
31) Naphthalene	8.20	128	1279280	55.611	ng	98
32) Benzoic acid	7.95	122	16016	2.953	ng	# 16
33) 4-Chloroaniline	8.20	127	168060	16.319	ng	# 35
35) Caprolactam	8.89	113	11463	5.134	ng	# 1
37) 2-Methylnaphthalene	8.89	142	480670	30.925	ng	99
38) 1-Methylnaphthalene	8.99	142	382550	26.034	ng	100
46) 1,1'-Biphenyl	9.35	154	156794	9.051	ng	97
49) Acenaphthylene	9.80	152	697276	33.561	ng	98
52) Acenaphthene	9.97	154	791963	59.504	ng	98
54) 2,4-Dinitrophenol	10.08	184	124	7.286	ng	# 1
55) Dibenzofuran	10.15	168	995144	53.995	ng	98
56) 4-Nitrophenol	10.15	139	410155	128.329	ng	# 9
58) Fluorene	10.49	166	884875	61.957	ng	99
62) 4-Nitroaniline	10.49	138	11766	2.744	ng	# 27
66) n-Nitrosodiphenylamine	10.60	169	25257	2.408	ng	# 1
71) Phenanthrene	11.49	178	8590445	474.001	ng	94
72) Anthracene	11.53	178	2516607	140.055	ng	99
73) Carbazole	11.67	167	810938	51.645	ng	99
75) Fluoranthene	12.69	202	10113815	726.839	ng	93
78) Pyrene	12.93	202	9214754	468.612	ng	93
81) Benzo(a)anthracene	14.10	228	5936850	369.233	ng	# 92
83) Chrysene	14.10	228	5936850	381.044	ng	97
84) Bis(2-ethylhexyl)phthalate	14.11	149	26544	2.592	ng	# 82
86) Indeno(1,2,3-cd)pyrene	17.18	276	2009431	151.535	ng	# 93
88) Benzo(b)fluoranthene	15.20	252	8371829	429.153	ng	97
89) Benzo(k)fluoranthene	15.20	252	8371829	455.466	ng	96
90) Benzo(a)pyrene	15.59	252	4386260	255.699	ng	96
91) Dibenzo(a,h)anthracene	17.18	278	645007	43.685	ng	97
92) Benzo(a,h,i)perylene	17.64	276	1783767	121.294	ng	98

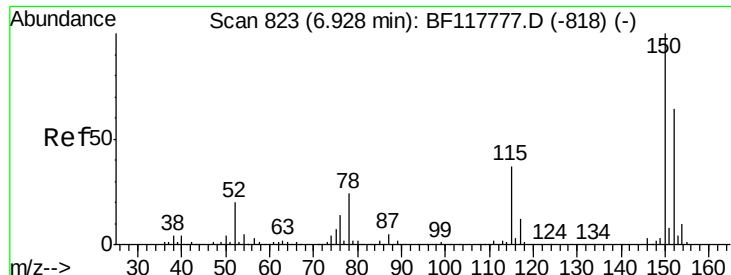
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118048.D
Acq On : 27 Nov 2019 18:37
Operator : JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Nov 28 00:15:44 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

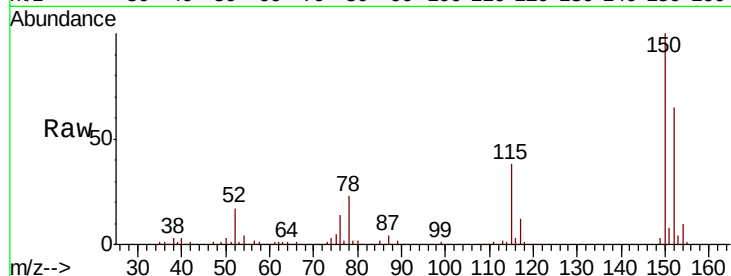


#1

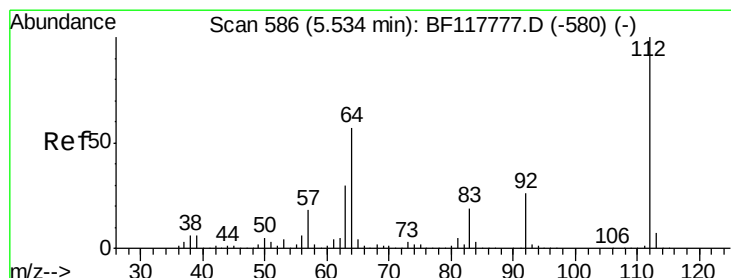
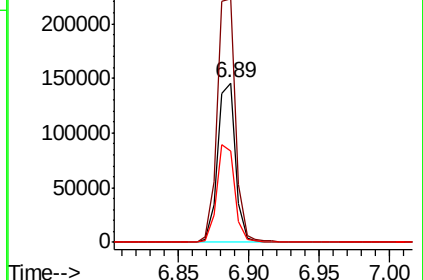
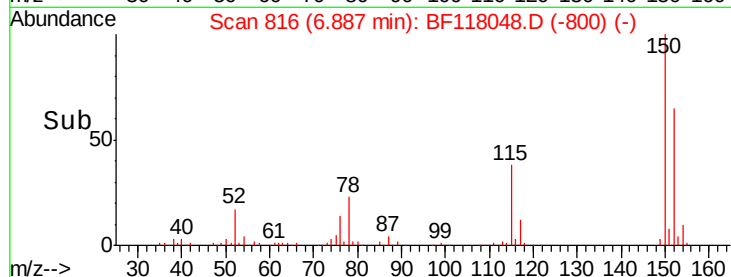
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 128579
Ion Ratio Lower Upper
152 100
150 152.9 125.3 187.9
115 57.6 47.0 70.4



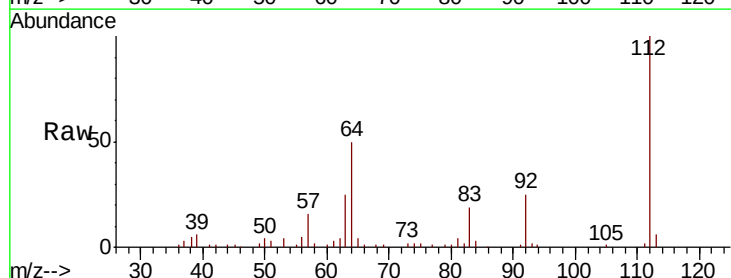
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



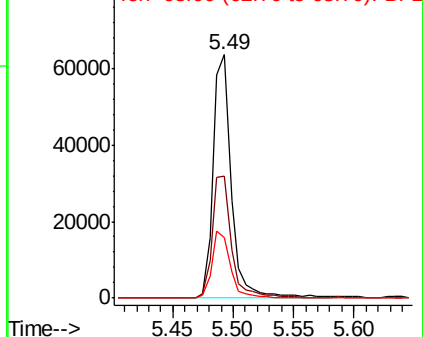
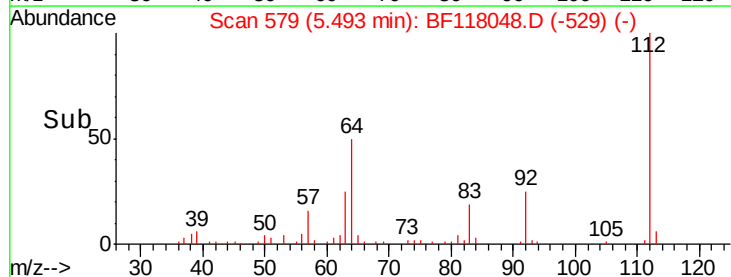
#5

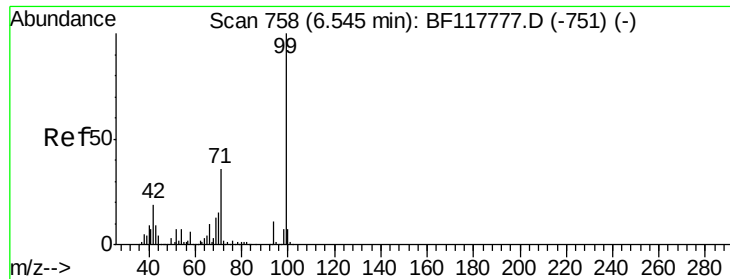
2-Fluorophenol
Concen: 9.114 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:112 Resp: 66201
Ion Ratio Lower Upper
112 100
64 50.0 45.6 68.4
63 25.1 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: 9.830 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

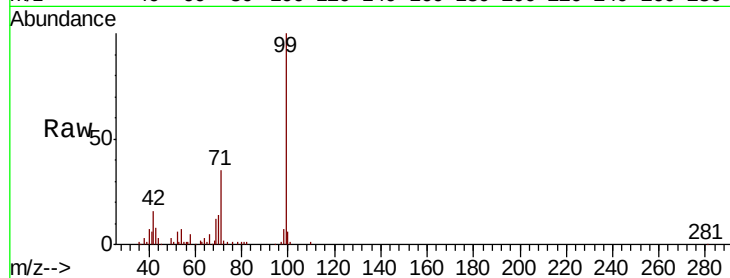
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 86126

Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.9	22.3
71	35.4	28.6	43.0

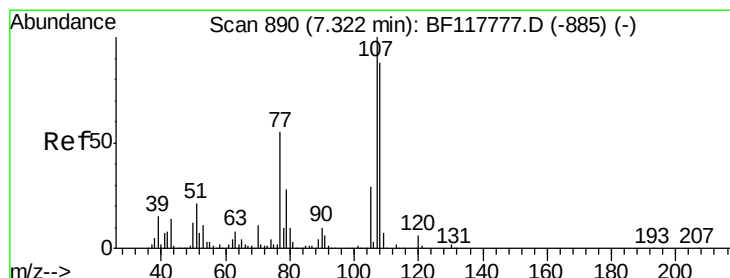
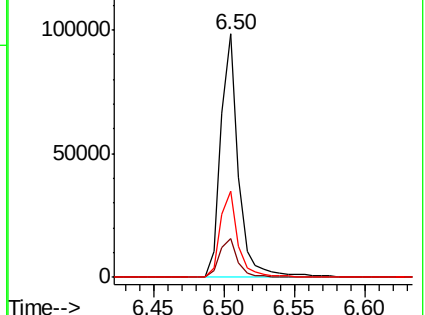
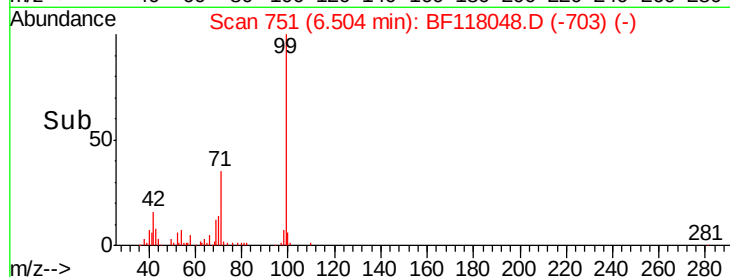


Abundance

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



#20

3+4-Methylphenols

Concen: 2.492 ng

RT: 7.29 min Scan# 884

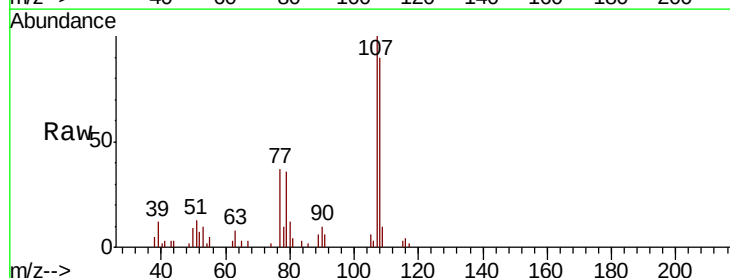
Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Tgt Ion: 107 Resp: 20650

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	37.1	35.2	75.2
79	35.8	8.6	48.6



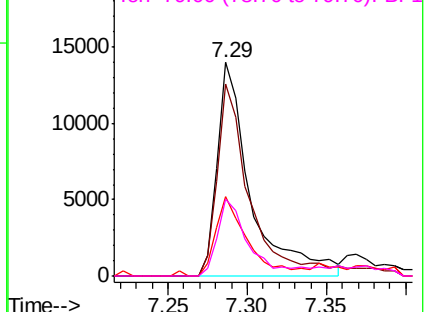
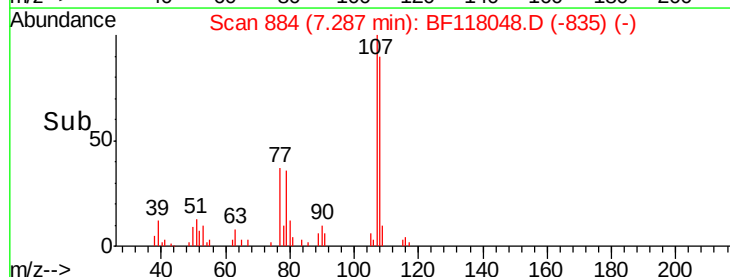
Abundance

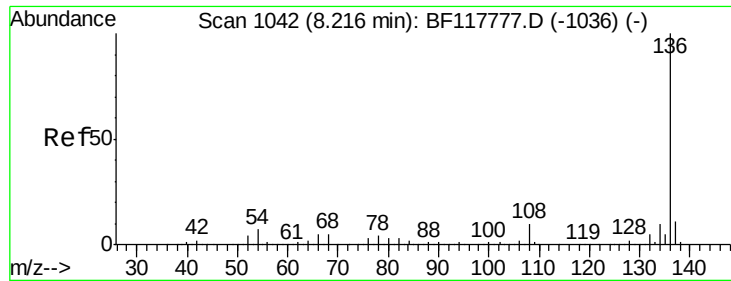
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

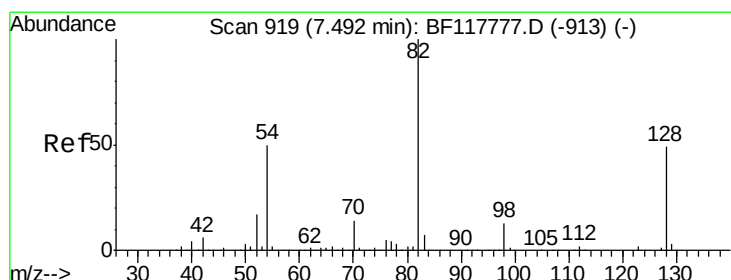
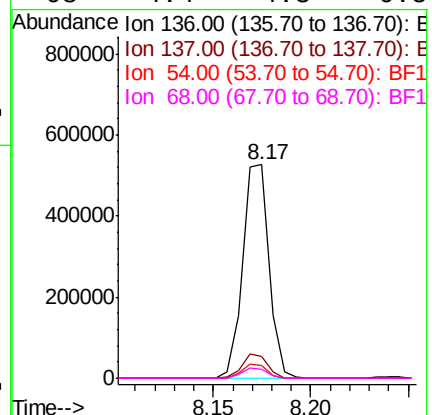
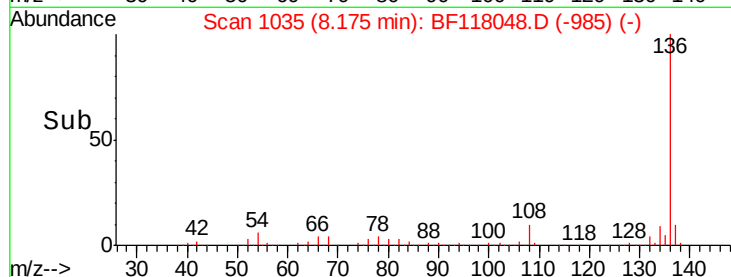
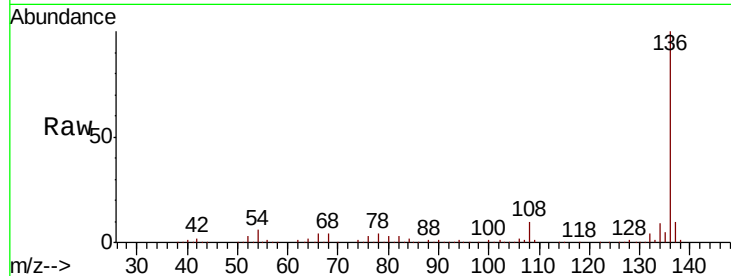




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

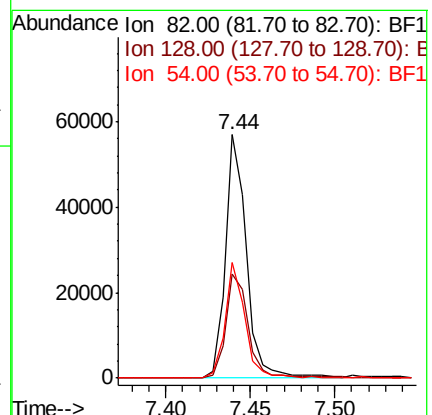
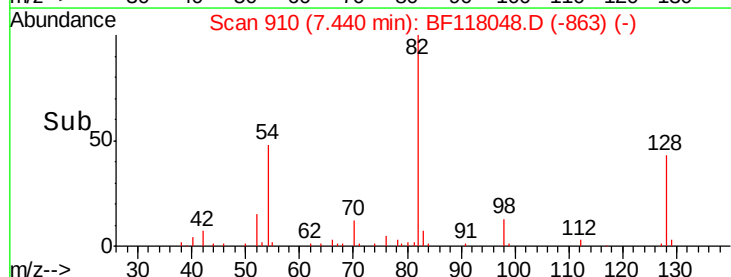
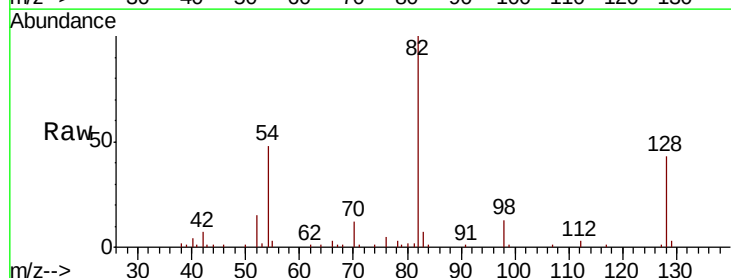
Instrument :
BNA_F
ClientSampleId :

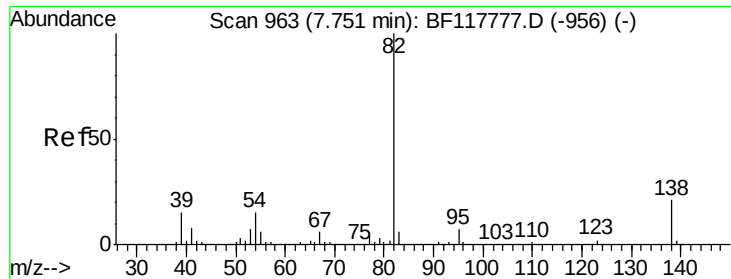
Tot Ion:136	Resp:	493450
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.0 13.4
54	5.9	5.4 8.2
68	4.4	4.3 6.5



#23
Nitrobenzene-d5
Concen: 5.964 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion: 82	Resp:	49505
Ion Ratio	Lower	Upper
82	100	
128	42.7	38.9 58.3
54	47.7	39.8 59.6





#25

Isophorone

Concen: 3.254 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.28 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

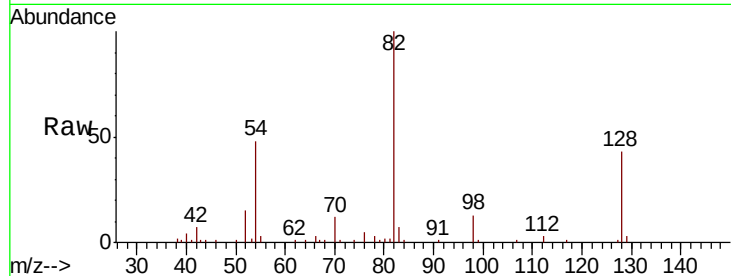
Tot Ion: 82 Resp: 49504

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

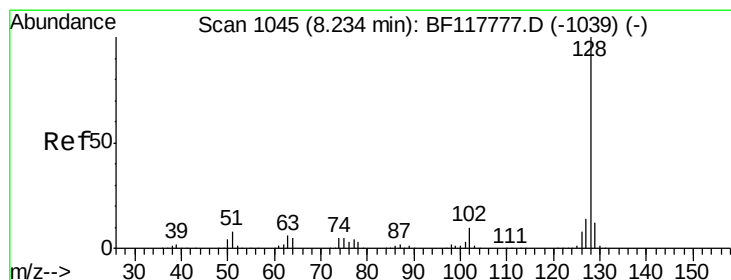
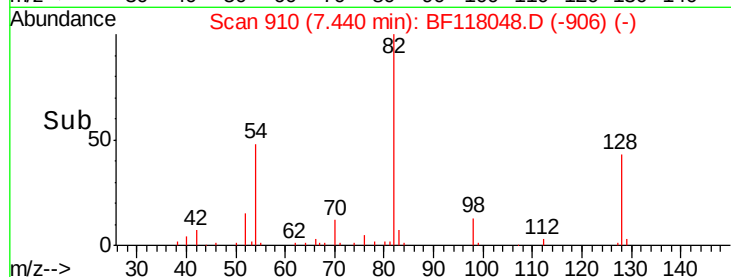
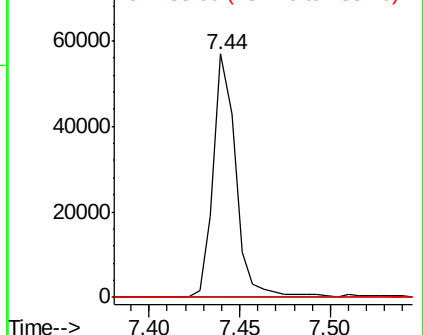
138 0.0 16.5 24.7#



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



#31

Naphthalene

Concen: 55.611 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

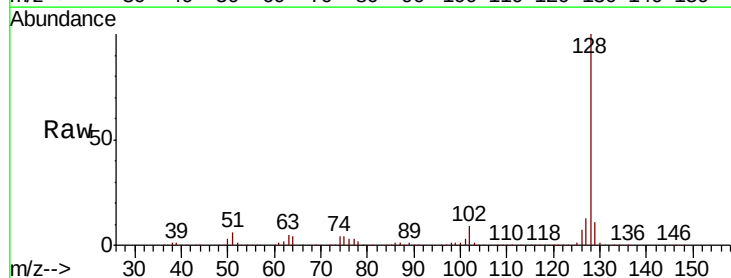
Tgt Ion: 128 Resp: 1279280

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

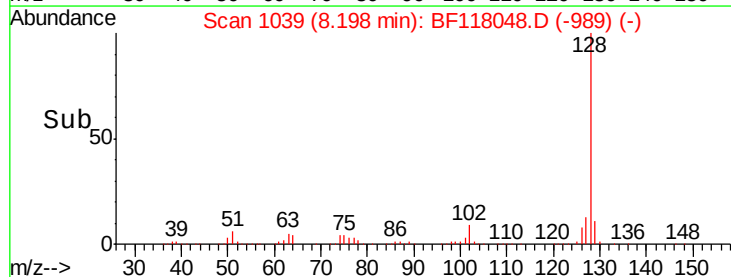
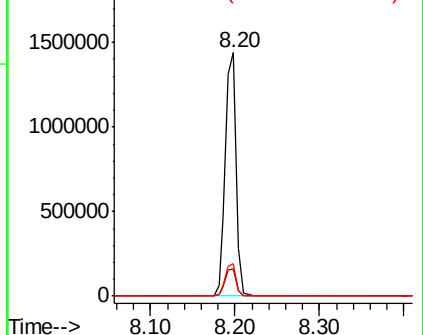
127 13.3 11.3 16.9

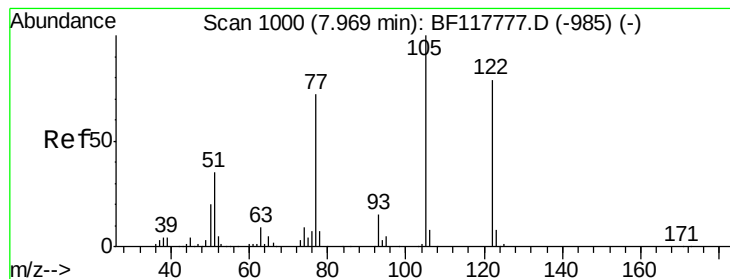


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.953 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

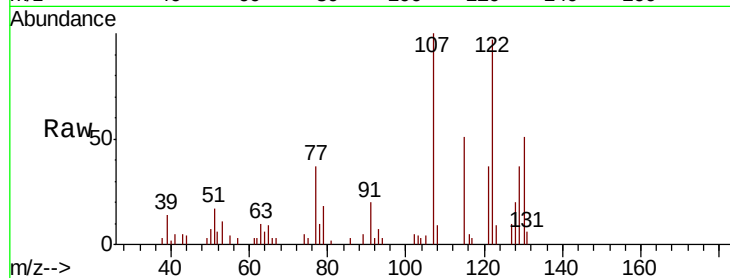
Tot Ion:122 Resp: 16016

Ion Ratio Lower Upper

122 100

105 4.5 102.7 142.7#

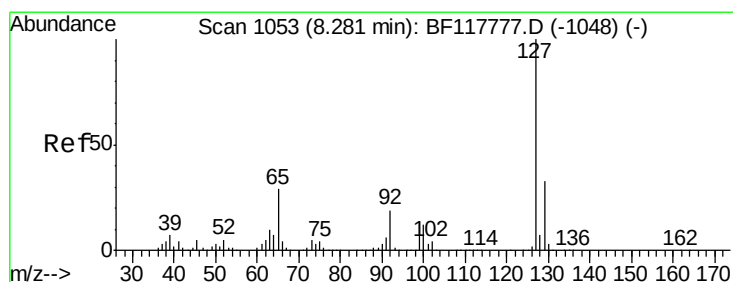
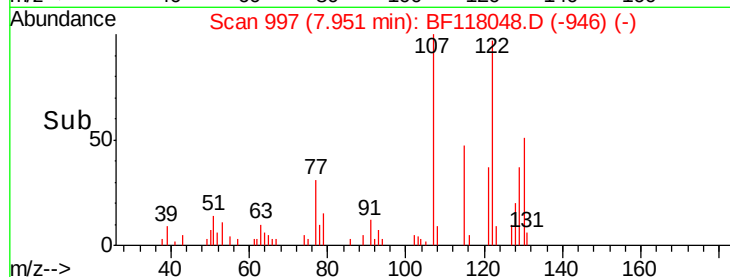
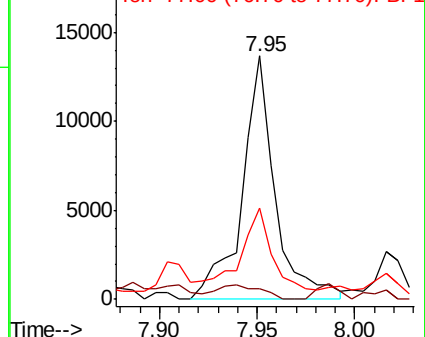
77 37.7 70.5 110.5#



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: 16.319 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Tgt Ion:127 Resp: 168060

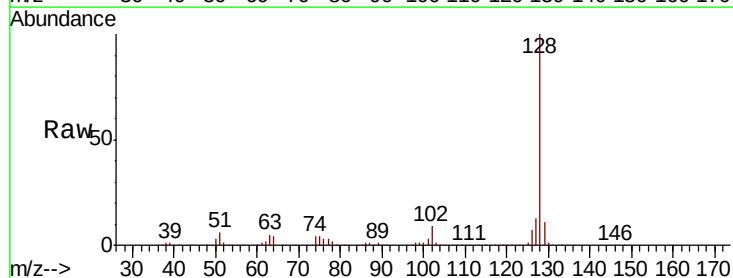
Ion Ratio Lower Upper

127 100

129 82.7 26.5 39.7#

65 0.0 22.9 34.3#

92 0.0 15.0 22.6#

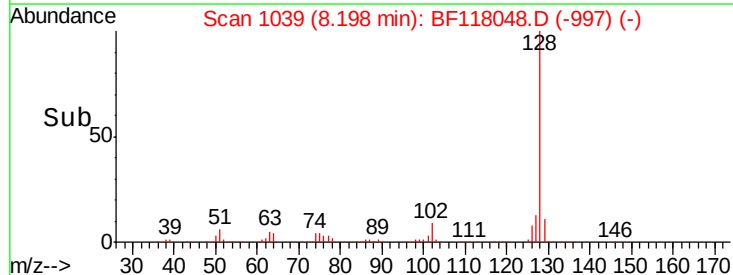
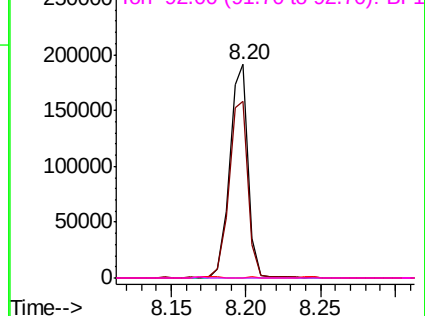


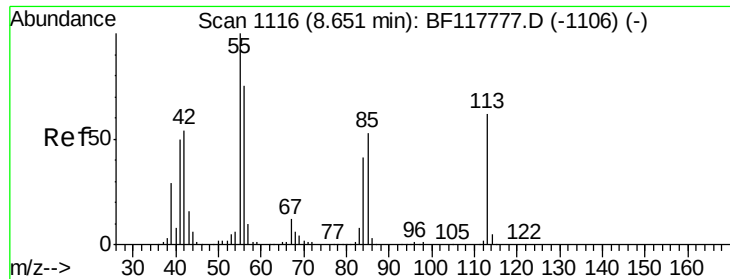
Abundance Ion 127.00 (126.70 to 127.70): E

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

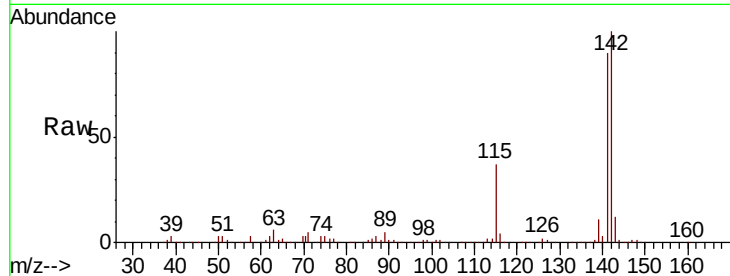




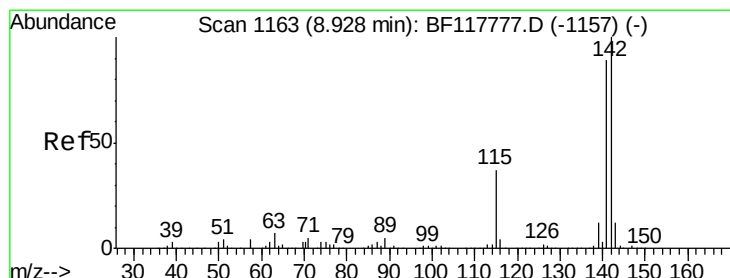
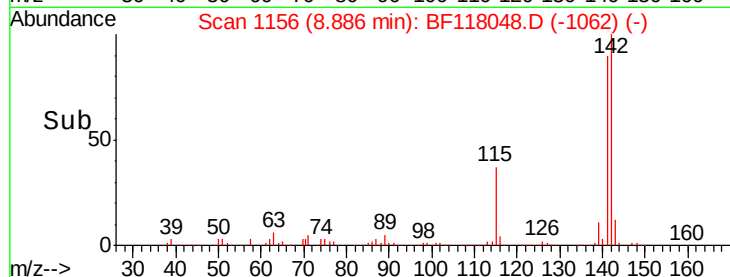
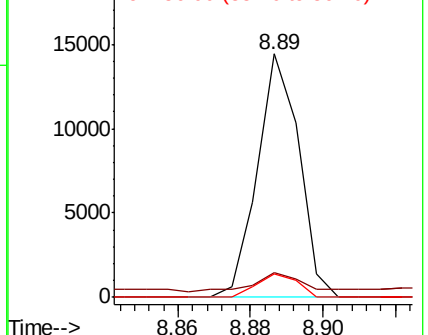
#35
Caprolactam
Concen: 5.134 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.25 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 11463
Ion Ratio Lower Upper
113 100
55 9.9 141.1 181.1#
56 9.8 100.5 140.5#

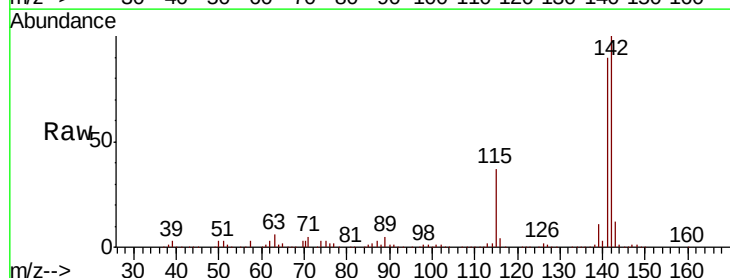


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

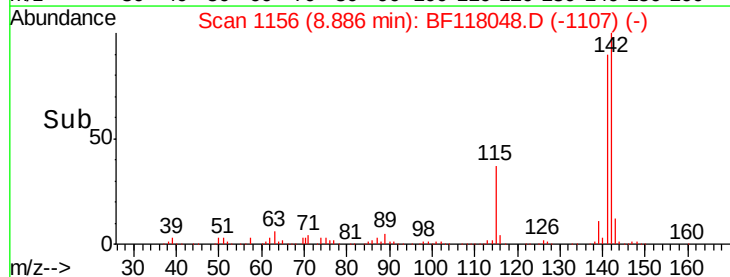
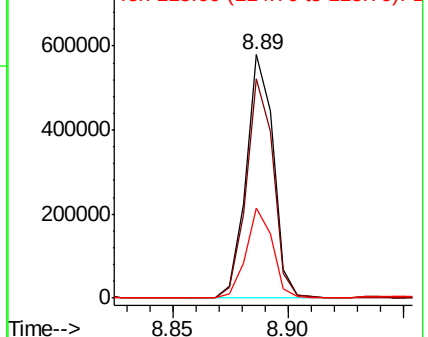


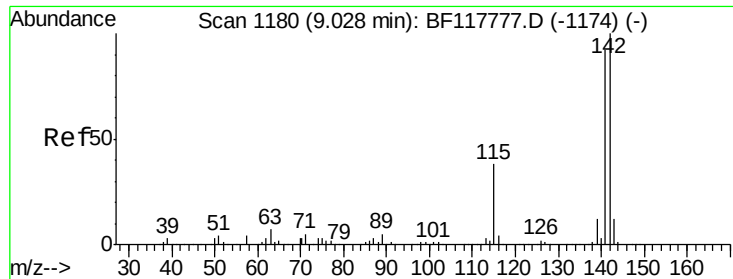
#37
2-Methylnaphthalene
Concen: 30.925 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:142 Resp: 480670
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7
115 36.8 29.2 43.8



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

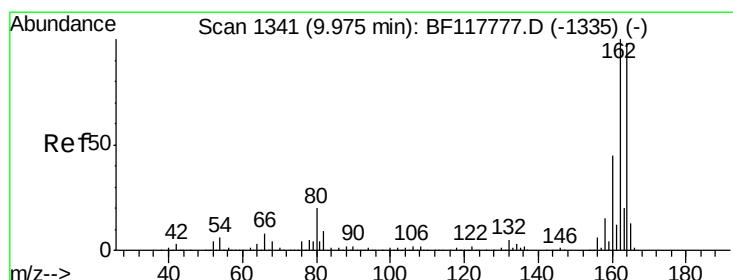
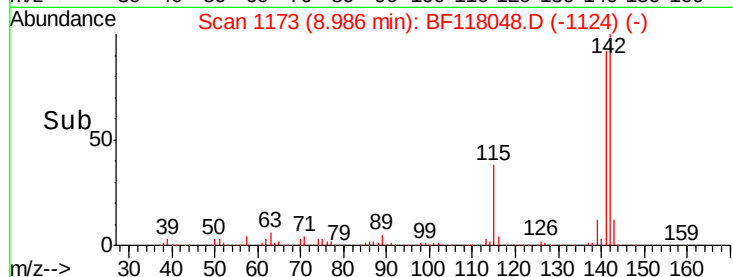
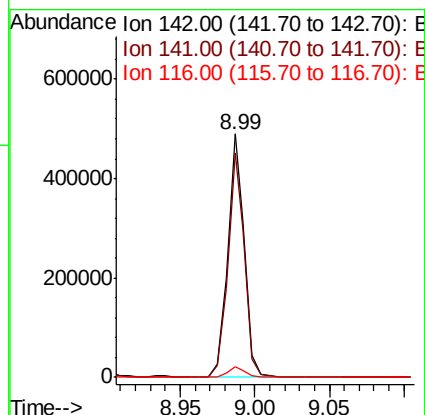
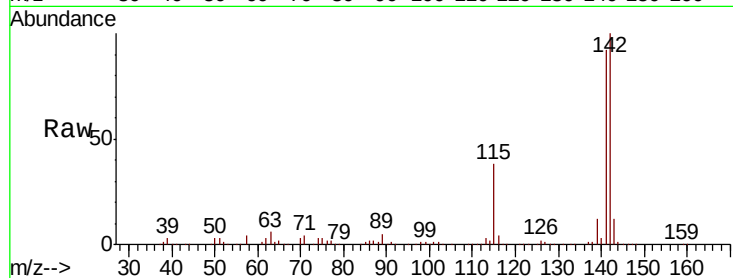




#38
1-Methylnaphthalene
Concen: 26.034 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

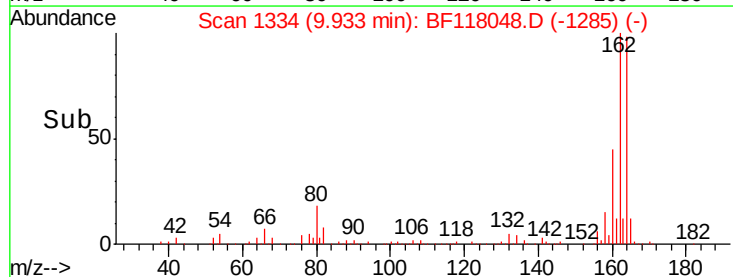
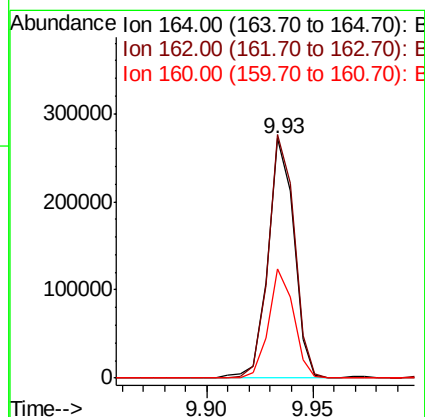
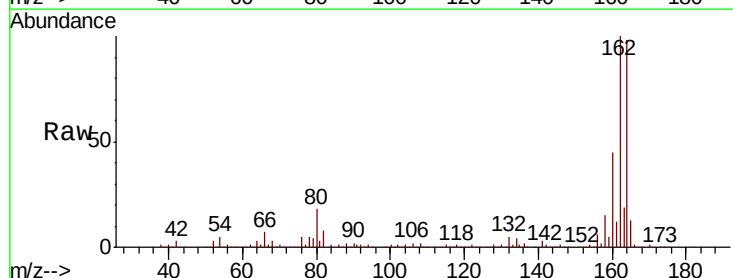
Instrument :
BNA_F
ClientSampleId :

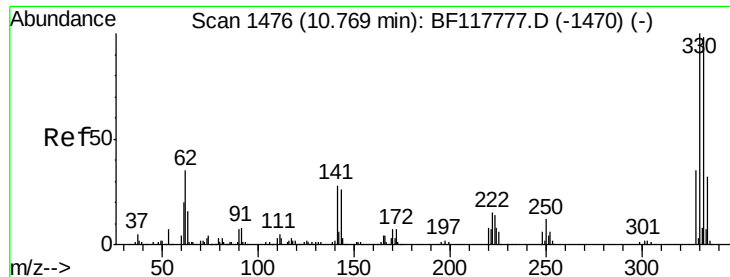
Tot Ion:142 Resp: 382550
Ion Ratio Lower Upper
142 100
141 92.0 73.5 110.3
116 4.2 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:164 Resp: 233489
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 45.6 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 7.700 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

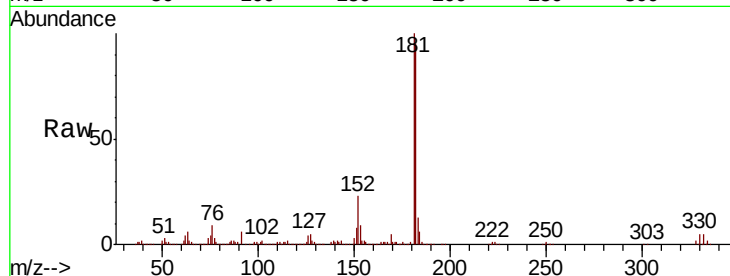
Tot Ion:330 Resp: 19033

Ion Ratio Lower Upper

330 100

332 100.2 76.7 115.1

141 37.6 27.7 41.5

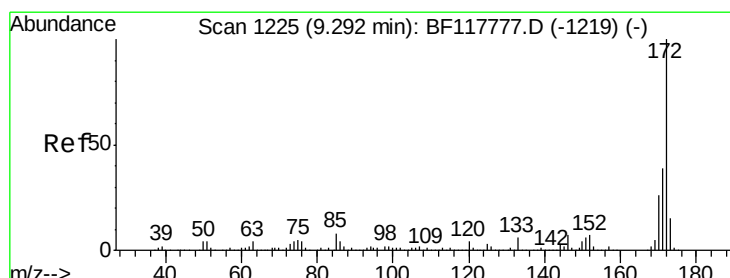
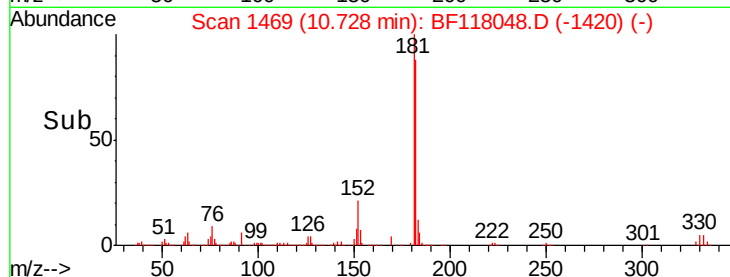
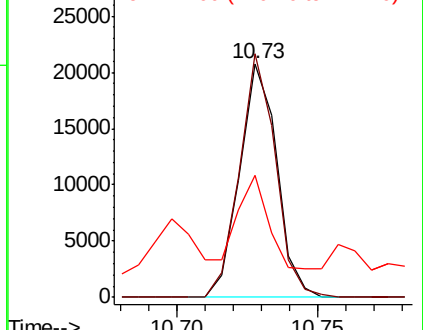


Abundance

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: 7.575 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.02 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

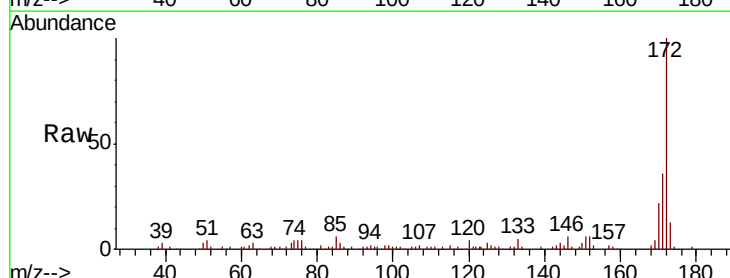
Tgt Ion:172 Resp: 98585

Ion Ratio Lower Upper

172 100

171 35.6 30.9 46.3

170 22.4 21.0 31.4

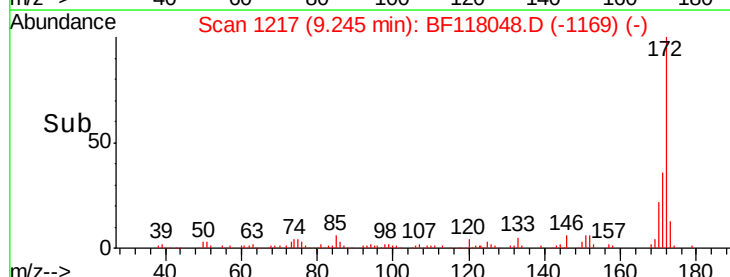
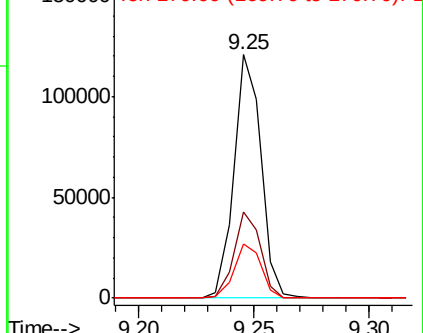


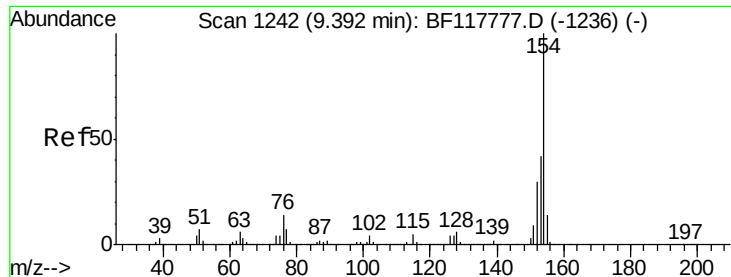
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 9.051 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampled :

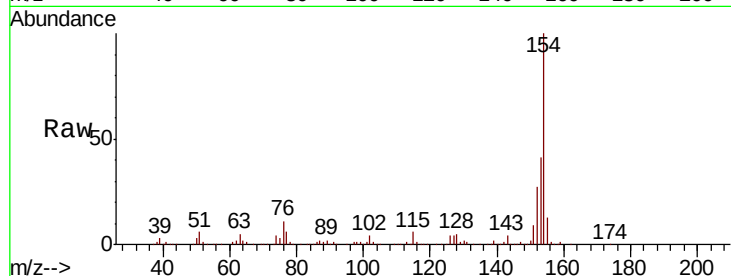
Tot Ion:154 Resp: 156794

Ion Ratio Lower Upper

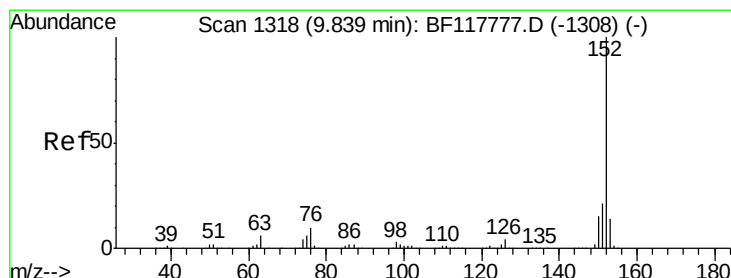
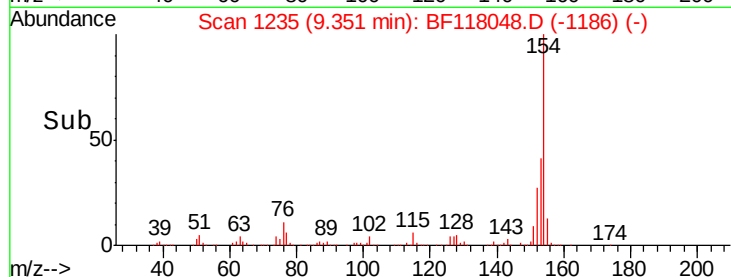
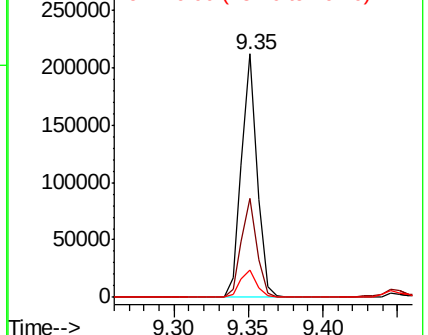
154 100

153 40.7 21.9 61.9

76 11.1 0.0 33.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 33.561 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

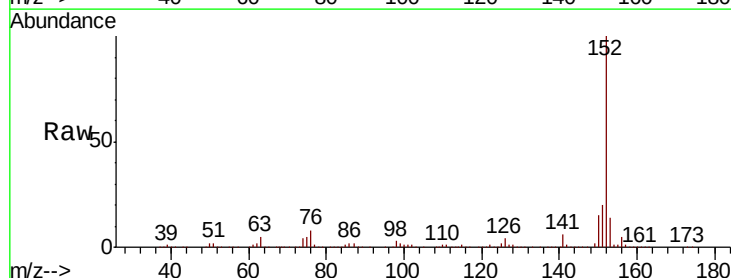
Tgt Ion:152 Resp: 697276

Ion Ratio Lower Upper

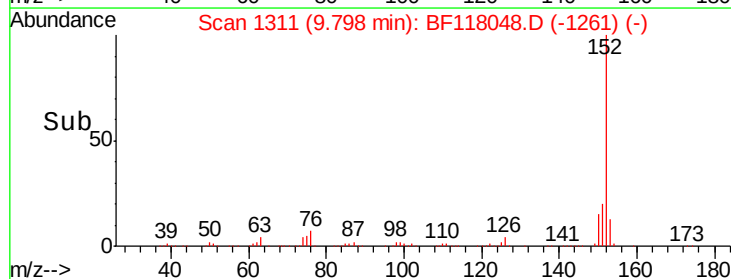
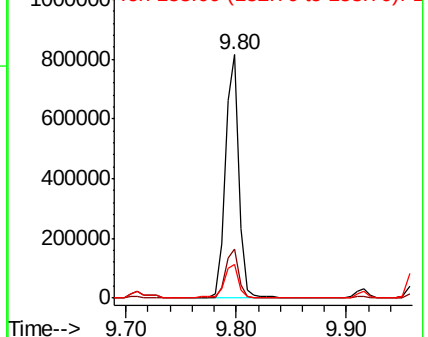
152 100

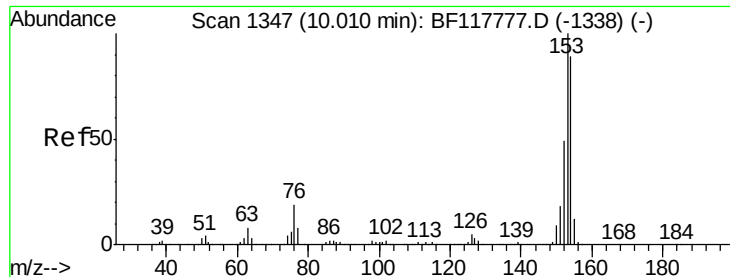
151 20.1 17.0 25.6

153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 59.504 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampled :

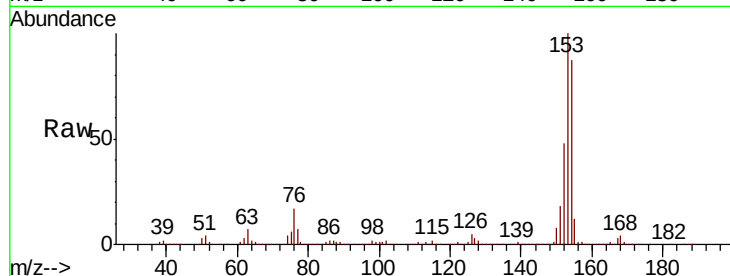
Tot Ion:154 Resp: 791963

Ion Ratio Lower Upper

154 100

153 115.1 90.1 135.1

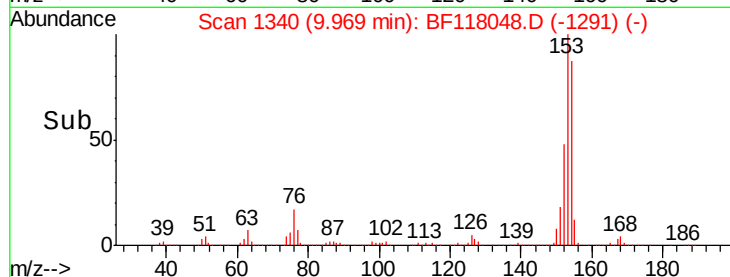
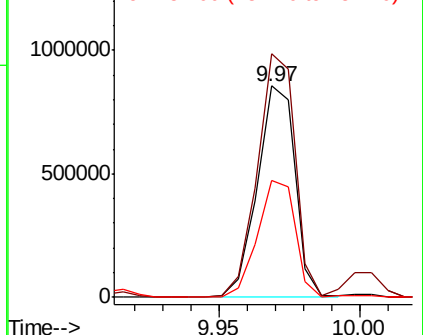
152 55.2 44.0 66.0



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



#54

2,4-Dinitrophenol

Concen: 7.286 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.08 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

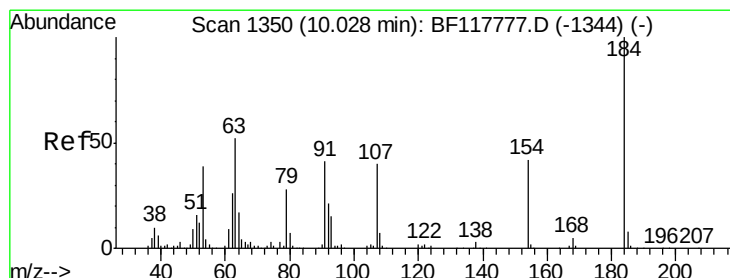
Tgt Ion:184 Resp: 124

Ion Ratio Lower Upper

184 100

63 1109.1 43.0 64.6#

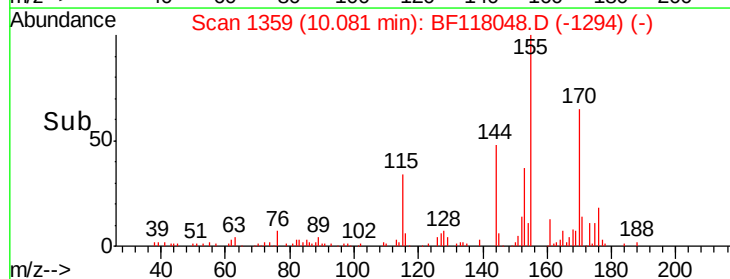
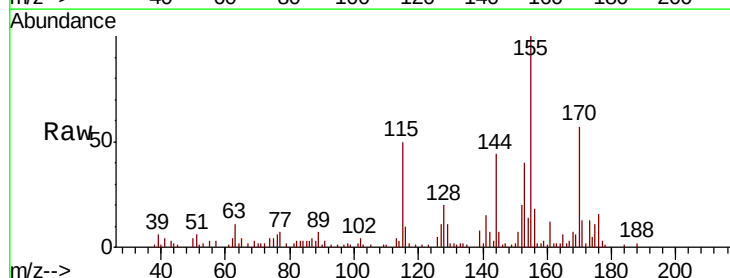
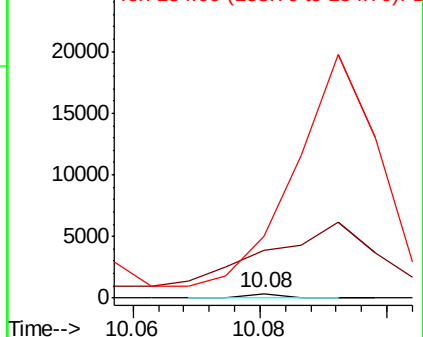
154 1421.7 48.0 72.0#

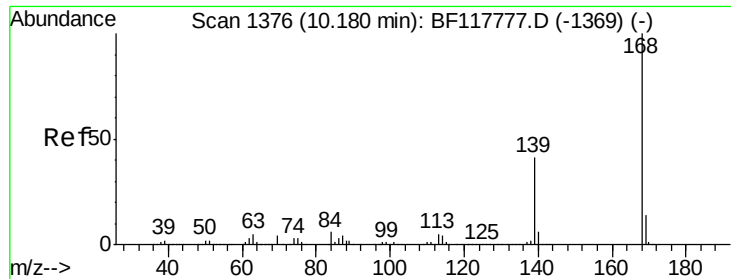


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 53.995 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

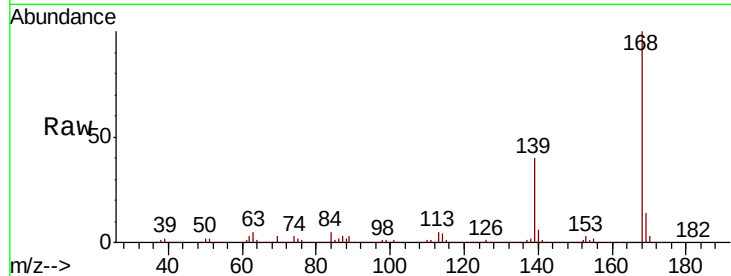
Tot Ion:168 Resp: 995144

Ion Ratio Lower Upper

168 100

139 40.3 33.0 49.6

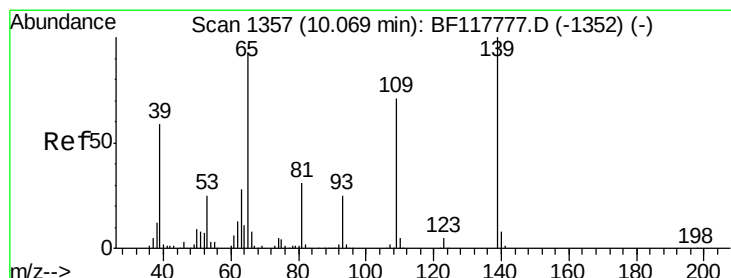
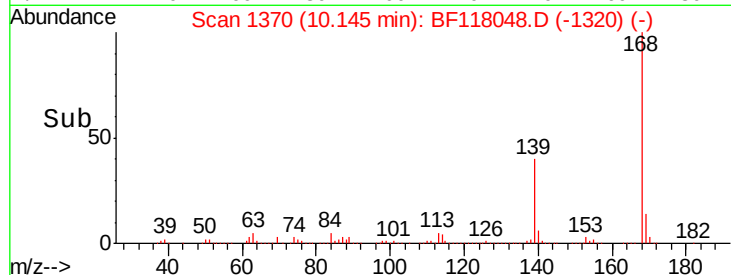
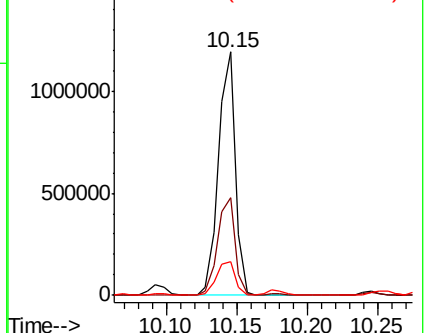
169 13.7 11.5 17.3



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: 128.329 ng

RT: 10.15 min Scan# 1370

Delta R.T. 0.09 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

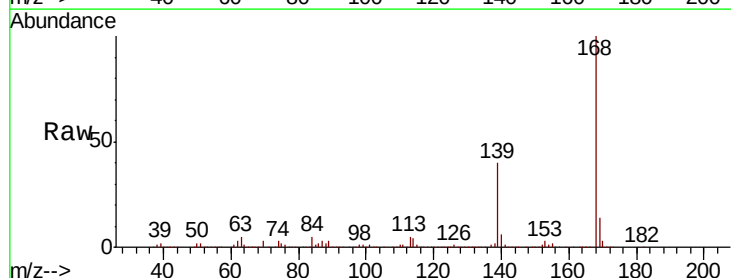
Tgt Ion:139 Resp: 410155

Ion Ratio Lower Upper

139 100

109 1.0 50.8 90.8#

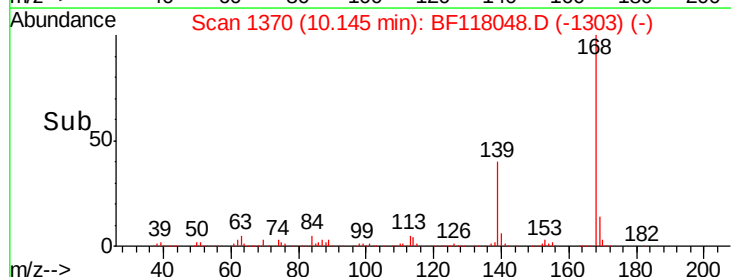
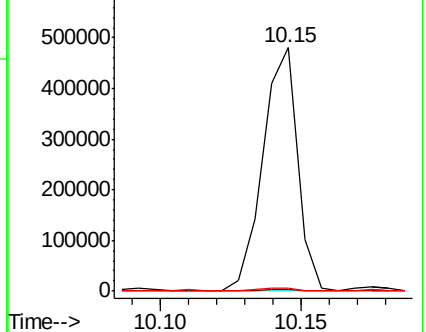
65 1.1 73.6 113.6#

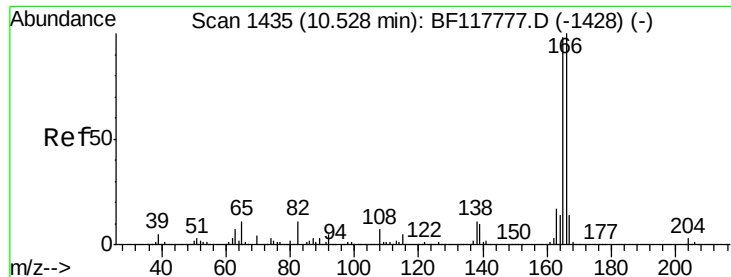


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

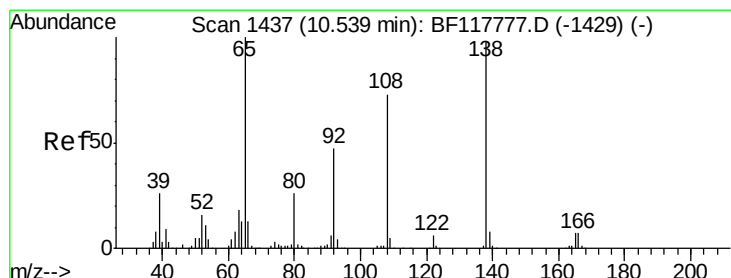
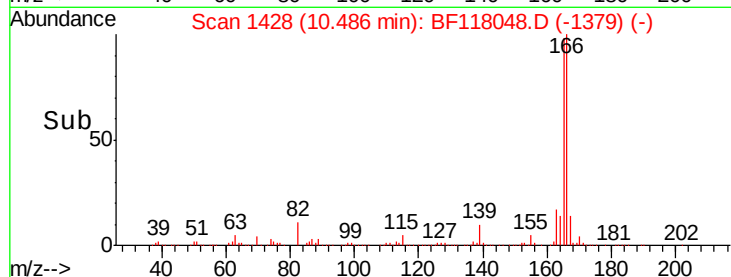
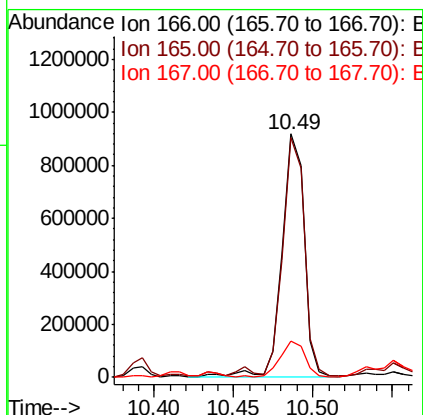
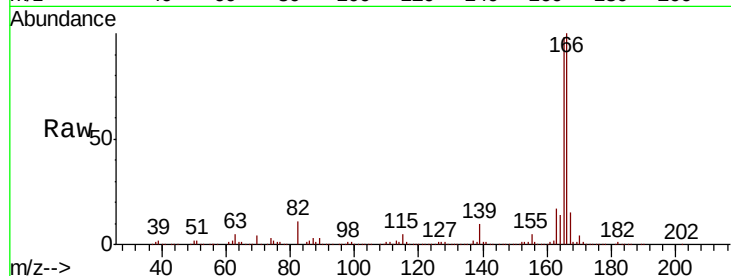




#58
 Fluorene
 Concen: 61.957 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

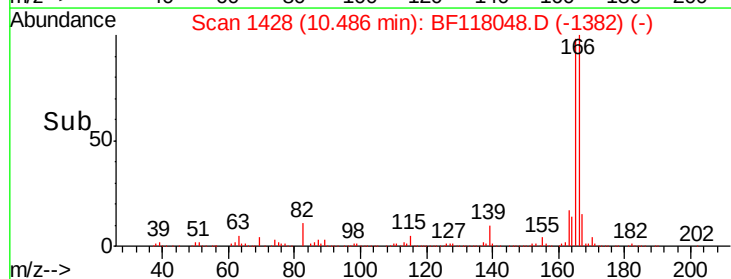
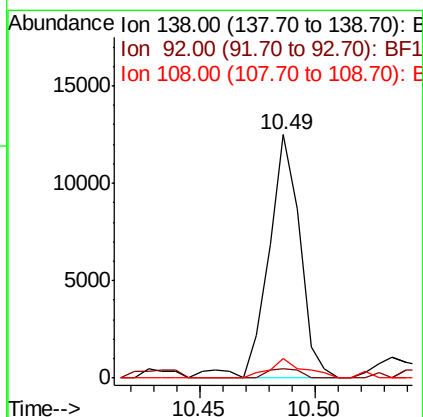
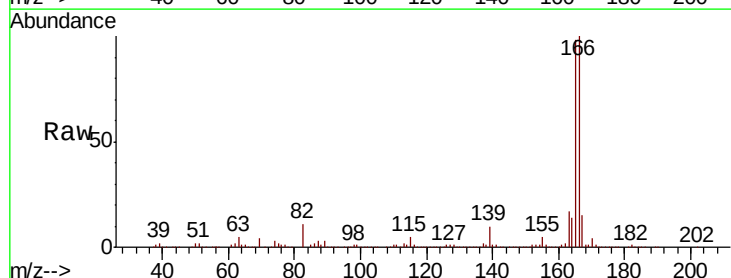
Instrument :
 BNA_F
 ClientSampleId :

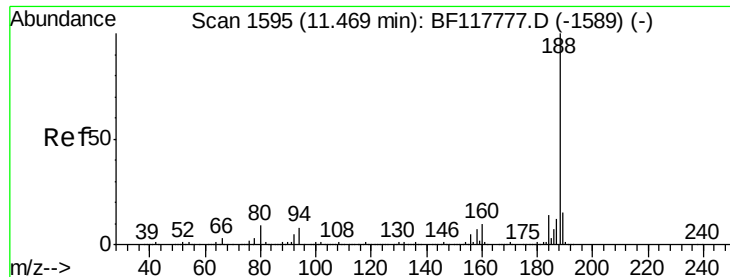
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.4	117.6
167	14.8	11.0	16.4



#62
 4-Nitroaniline
 Concen: 2.744 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.03 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

Tgt Ion	Ratio	Lower	Upper
138	100		
92	4.0	28.3	68.3#
108	7.9	54.3	94.3#

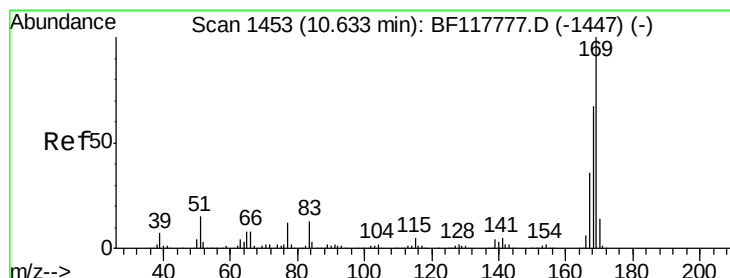
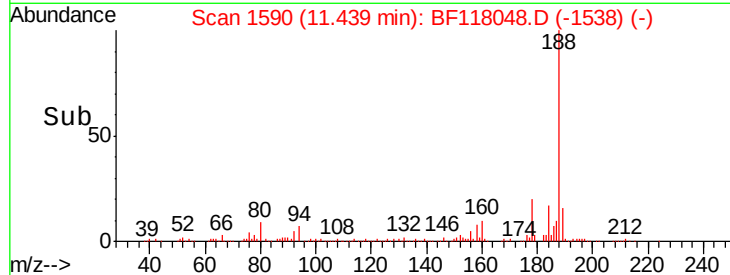
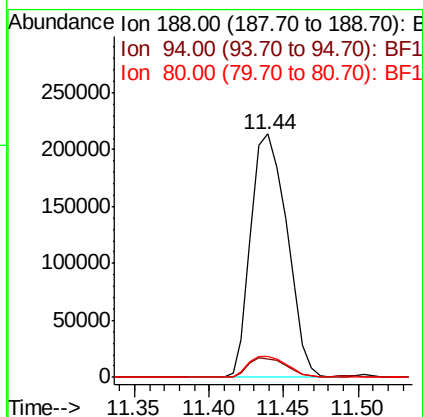
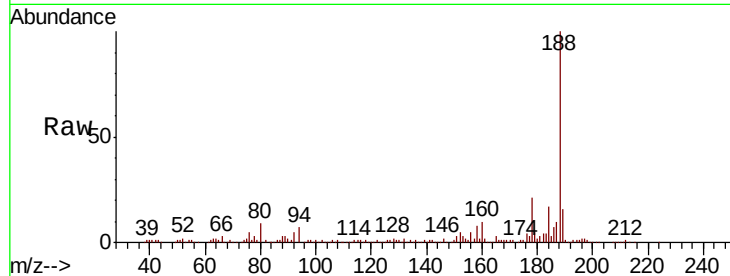




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

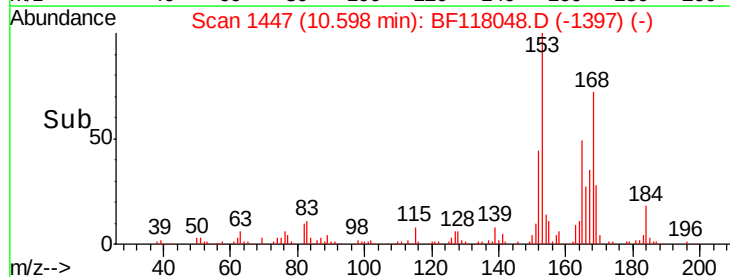
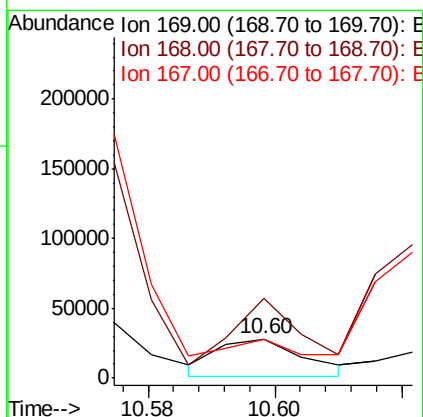
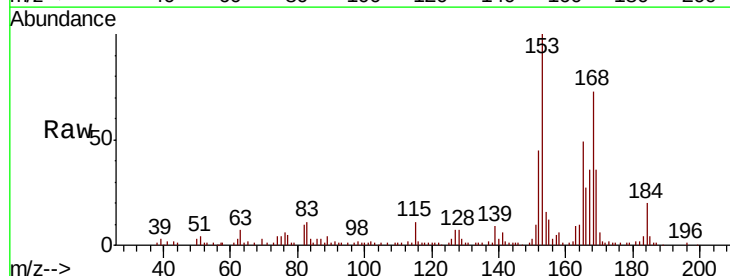
Instrument :
 BNA_F
 ClientSampled :

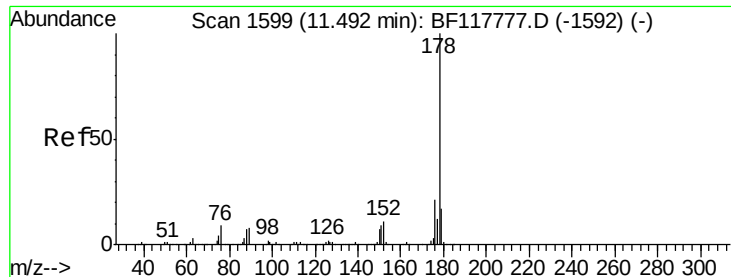
Tot Ion:188 Resp: 360470
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.6 10.0
 80 8.6 7.2 10.8



#66
 n-Nitrosodiphenylamine
 Concen: 2.408 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

Tgt Ion:169 Resp: 25257
 Ion Ratio Lower Upper
 169 100
 168 203.3 53.5 80.3#
 167 98.7 29.0 43.4#

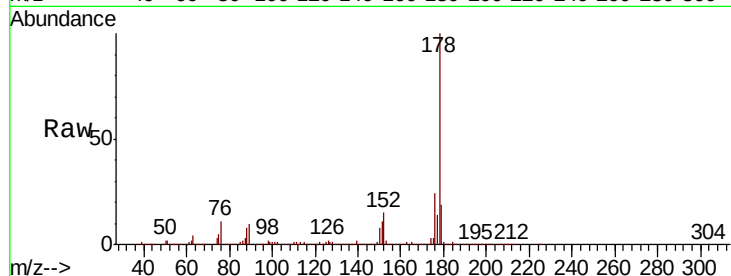




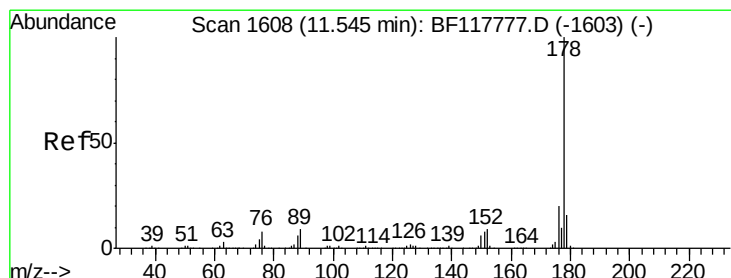
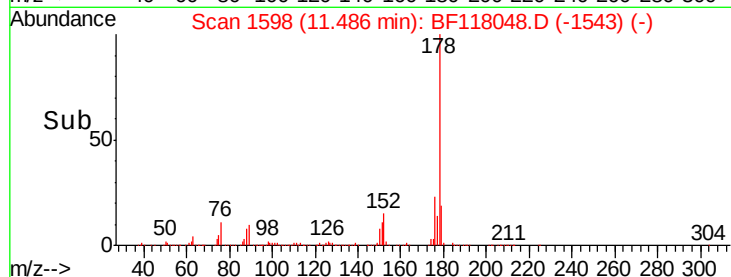
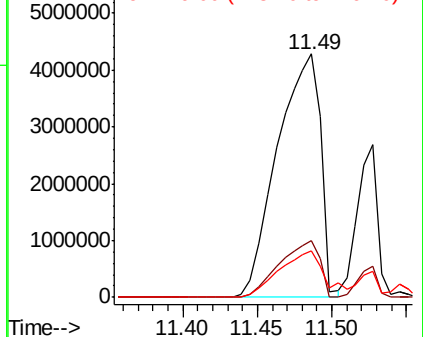
#71
Phenanthrene
Concen: 474.001 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.02 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 8590445
Ion Ratio Lower Upper
178 100
176 23.5 16.6 25.0
179 19.1 13.2 19.8

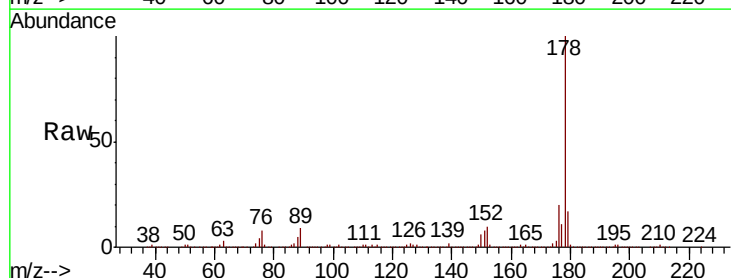


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

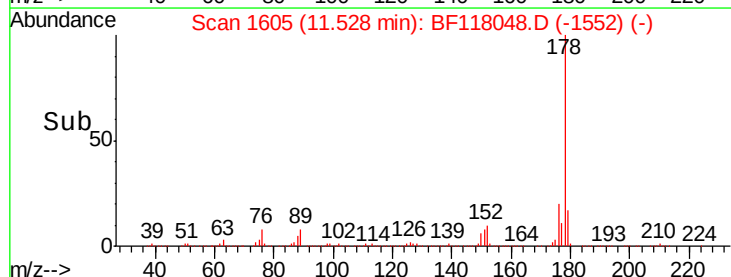
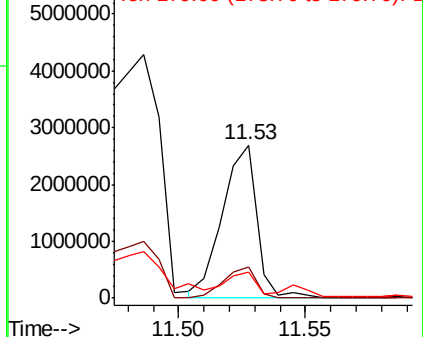


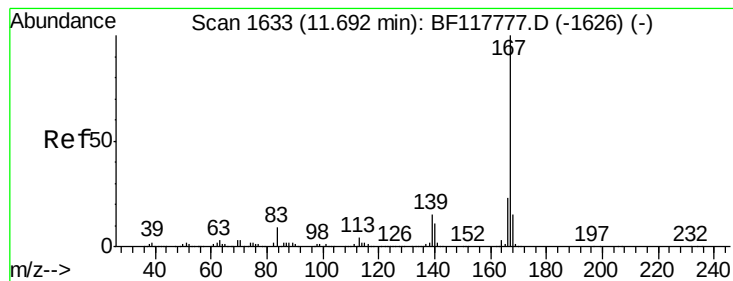
#72
Anthracene
Concen: 140.055 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:178 Resp: 2516607
Ion Ratio Lower Upper
178 100
176 20.4 16.1 24.1
179 17.2 13.0 19.4



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





#73

Carbazole

Concen: 51.645 ng

RT: 11.67 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampled :

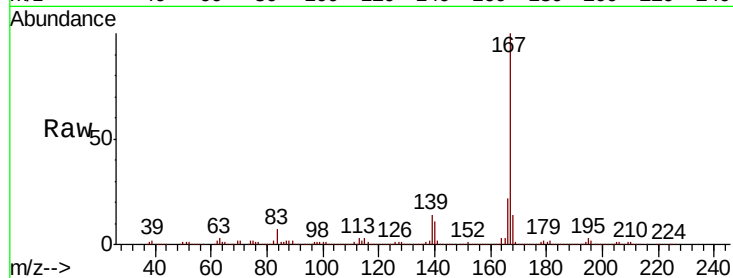
Tot Ion:167 Resp: 810938

Ion Ratio Lower Upper

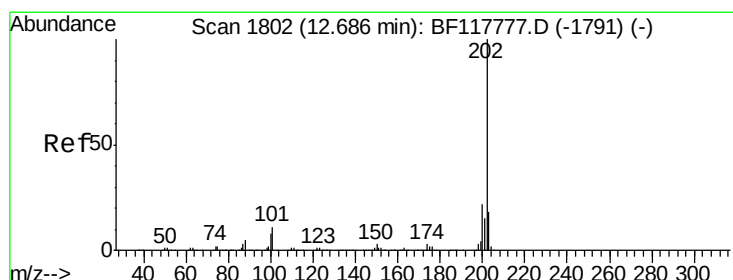
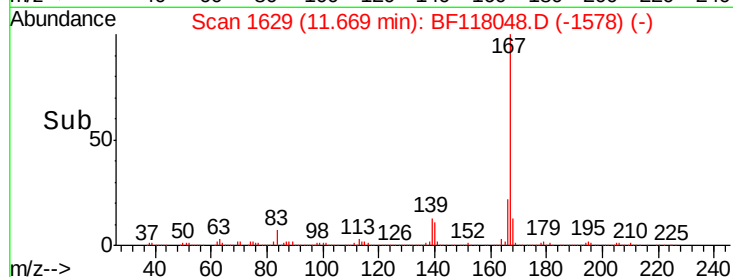
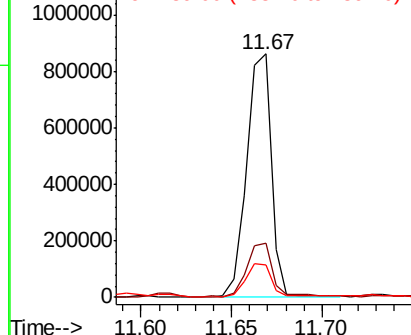
167 100

166 22.2 18.0 27.0

139 13.5 11.7 17.5



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: 726.839 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.04 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

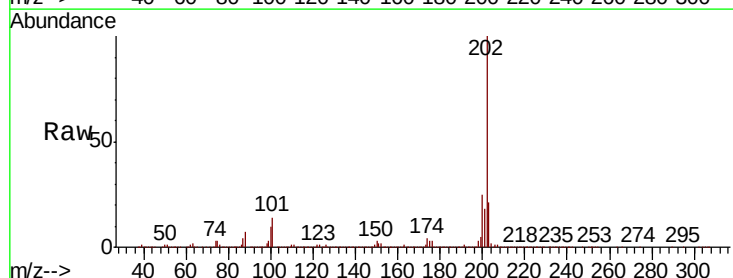
Tgt Ion:202 Resp:10113815

Ion Ratio Lower Upper

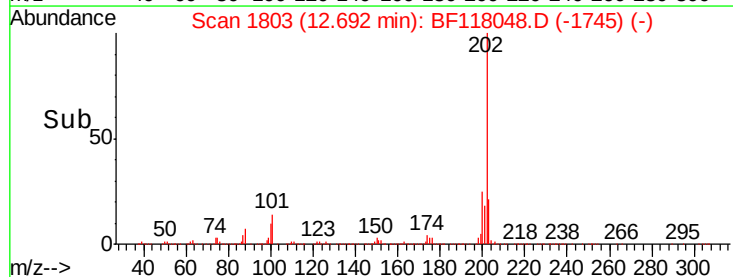
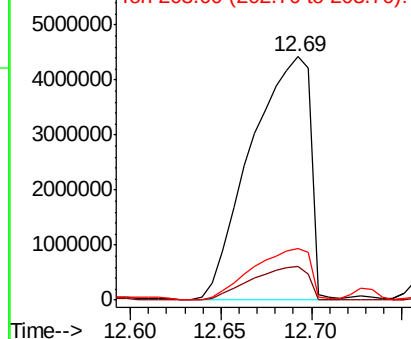
202 100

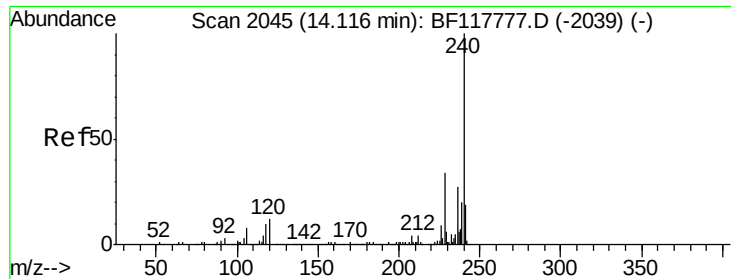
101 13.7 0.0 31.1

203 21.2 0.0 38.2



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

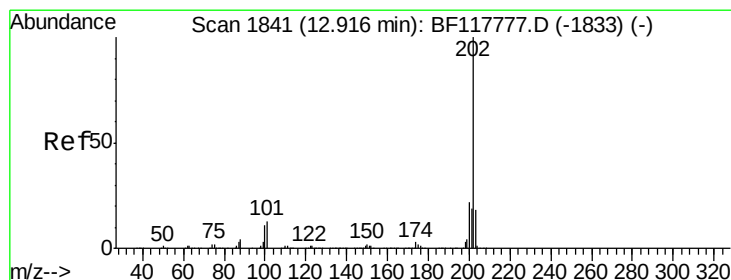
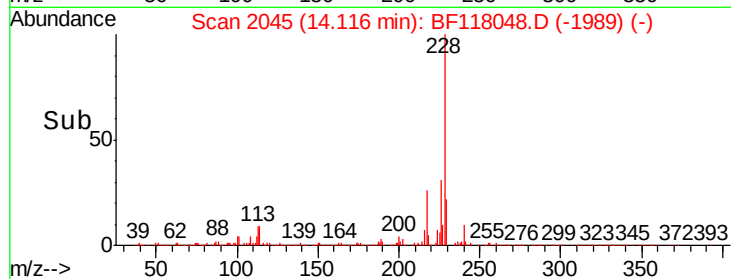
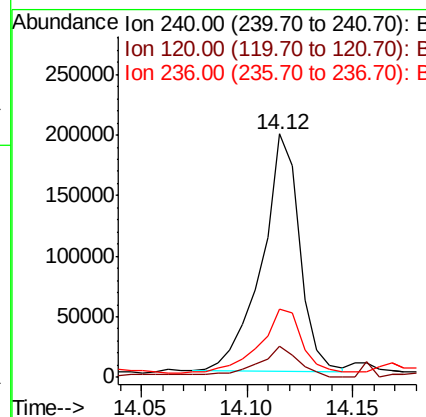
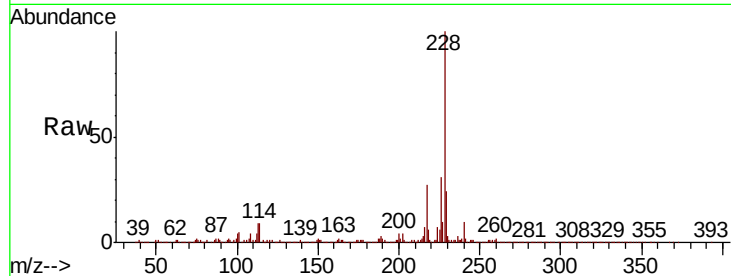




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.03 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

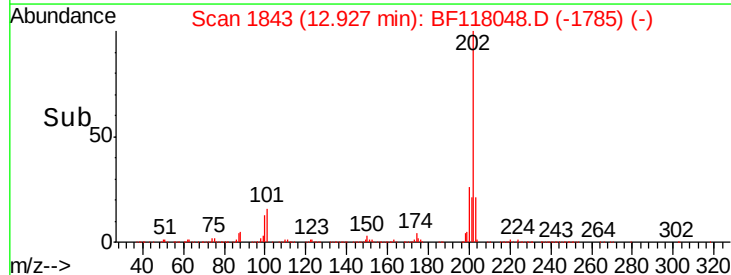
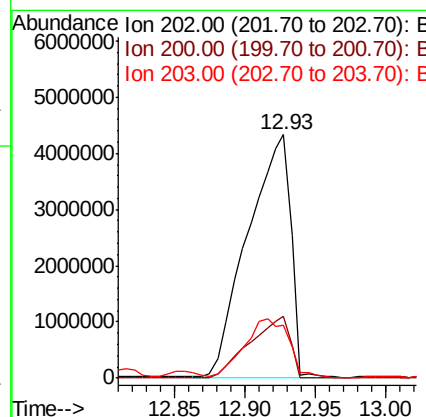
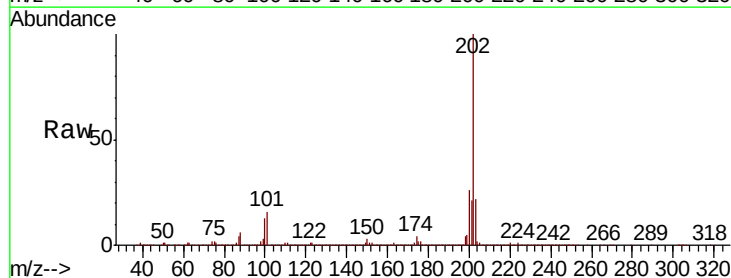
Instrument :
BNA_F
ClientSampled :

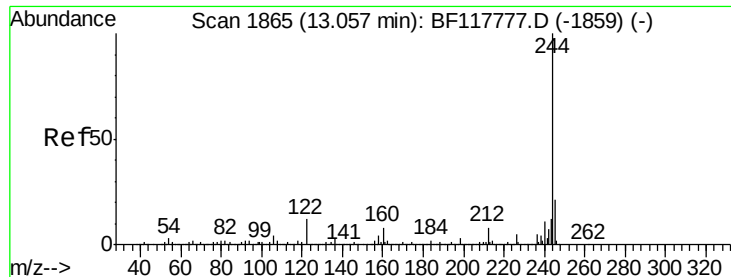
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	28.0	21.3	31.9



#78
Pyrene
Concen: 468.612 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.04 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.6	17.8	26.8
203	21.9	14.6	22.0





#79

Terphenyl-d14

Concen: 7.647 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

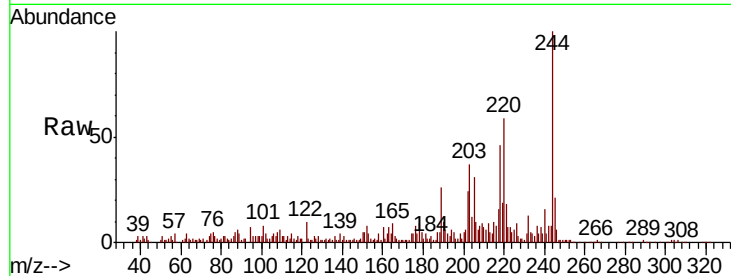
Tot Ion:244 Resp: 101815

Ion Ratio Lower Upper

244 100

212 8.6 6.3 9.5

122 10.5 9.4 14.2

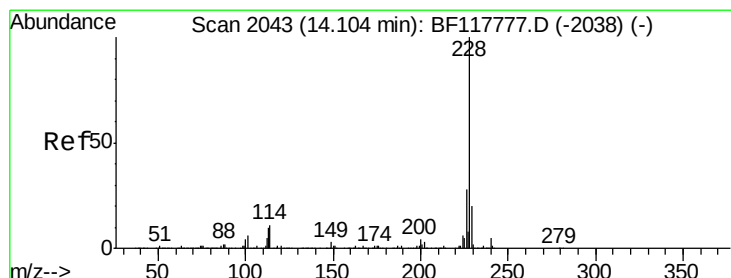
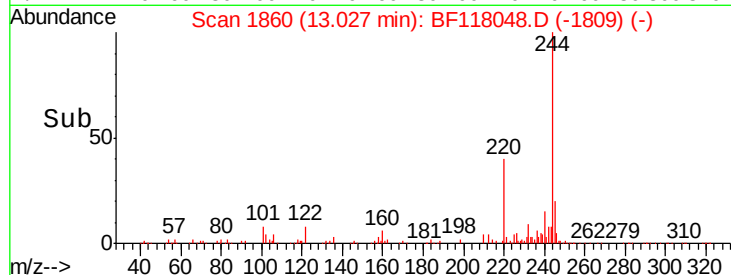
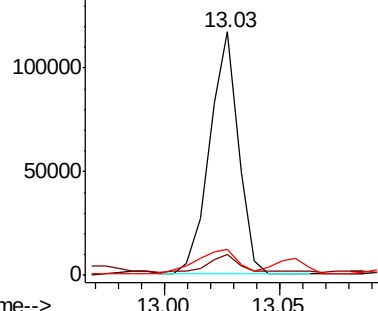


Abundance

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: 369.233 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.03 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

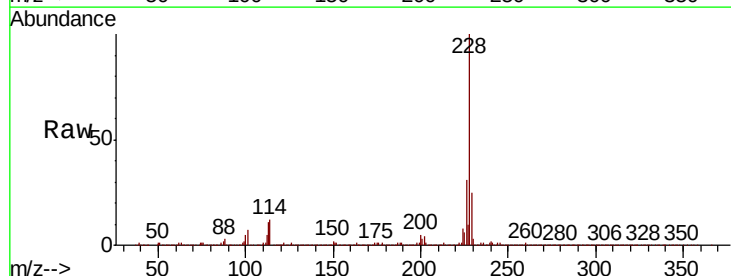
Tgt Ion:228 Resp: 5936850

Ion Ratio Lower Upper

228 100

226 31.1 22.2 33.2

229 24.5 15.9 23.9#

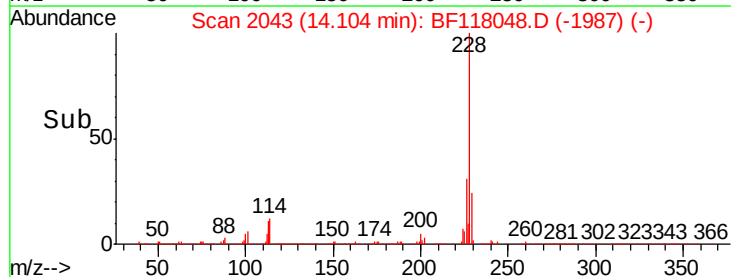
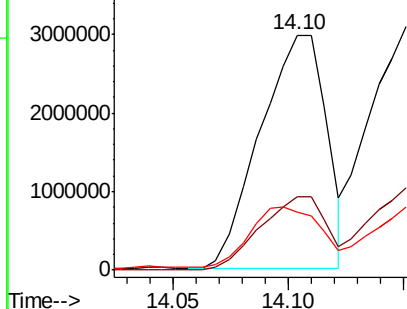


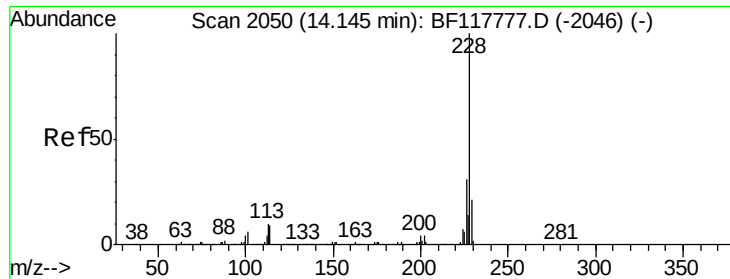
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

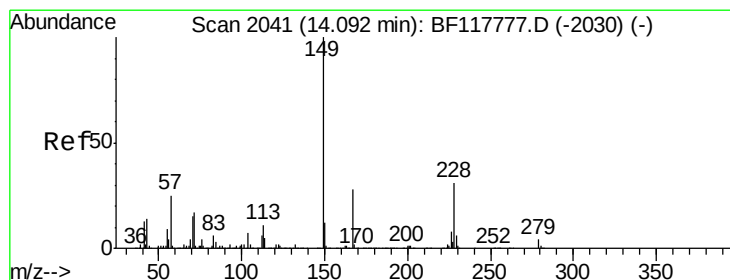
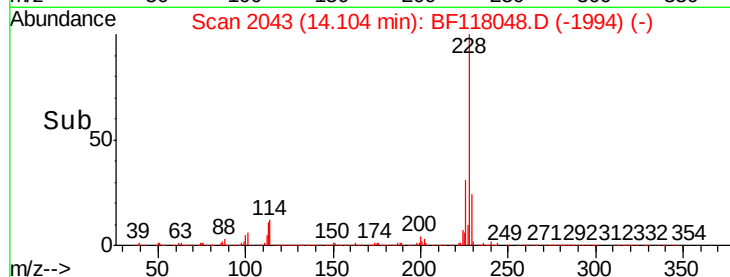
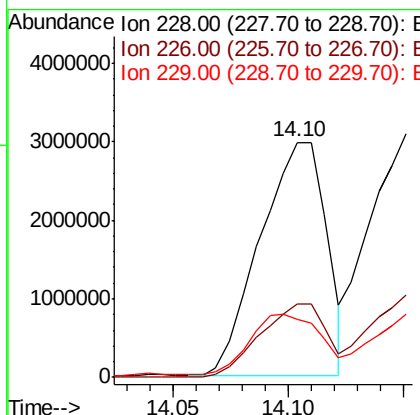
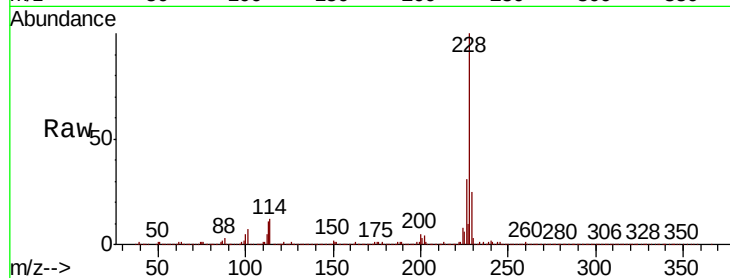




#83
Chrysene
Concen: 381.044 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

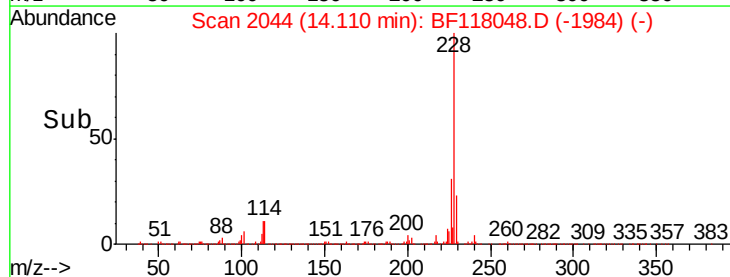
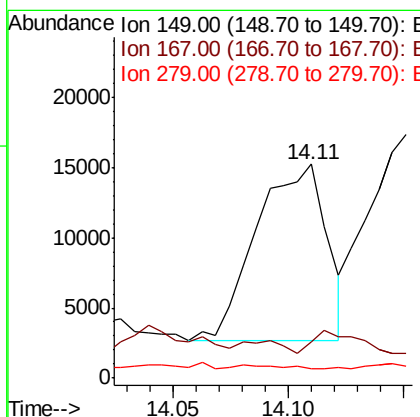
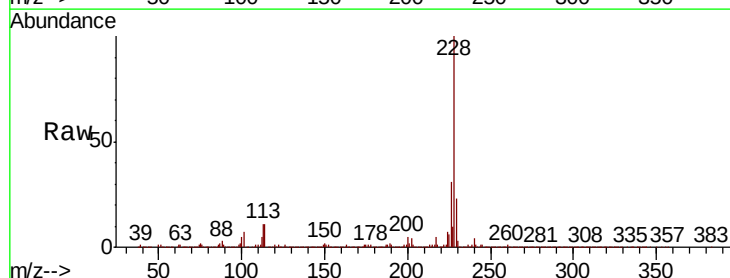
Instrument :
BNA_F
ClientSampled :

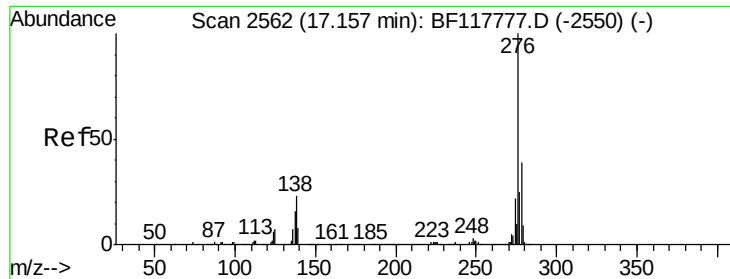
Tot Ion:228 Resp: 5936850
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.4
229 24.5 16.6 25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.592 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.05 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:149 Resp: 26544
Ion Ratio Lower Upper
149 100
167 16.8 22.2 33.2#
279 4.1 3.4 5.2

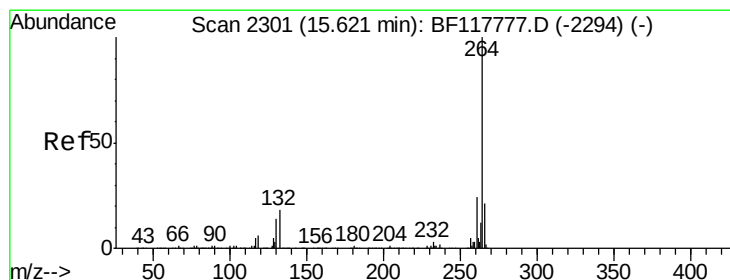
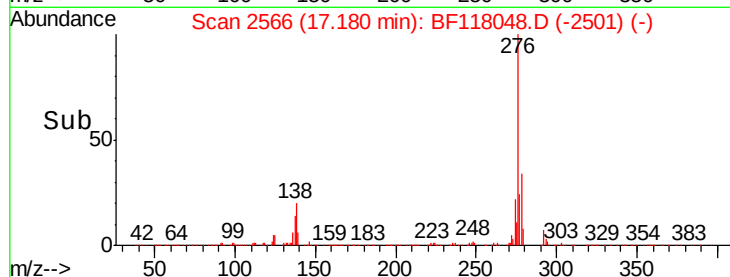
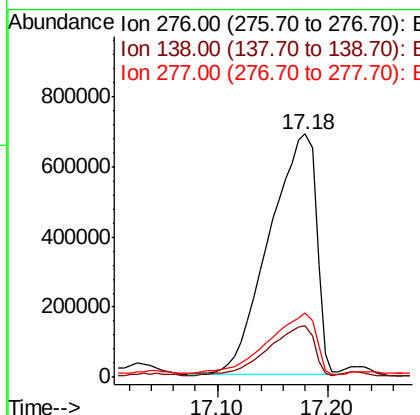
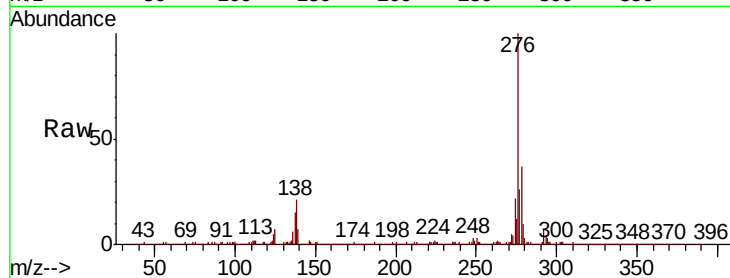




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 151.535 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.08 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

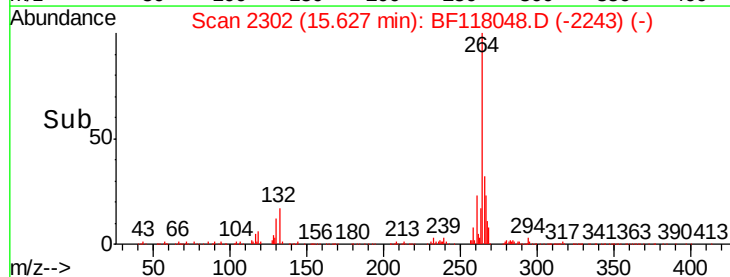
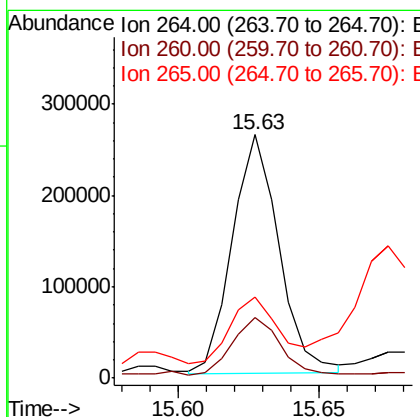
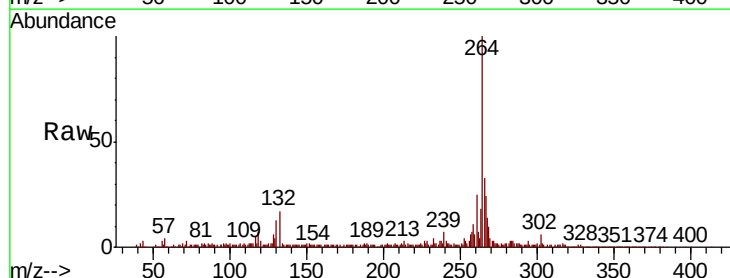
Instrument :
 BNA_F
 ClientSampled :

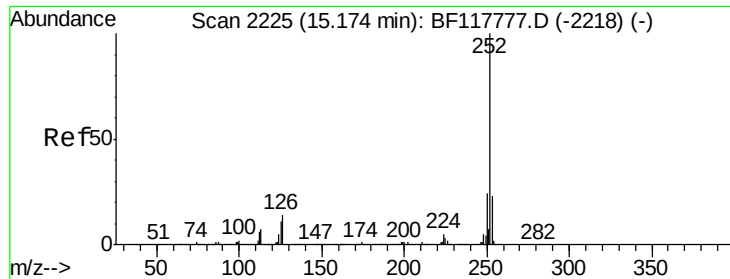
Tot Ion:276 Resp: 2009431
 Ion Ratio Lower Upper
 276 100
 138 20.0 20.9 31.3#
 277 26.7 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. 0.05 min
 Lab File: BF118048.D
 Acq: 27 Nov 2019 18:37

Tgt Ion:264 Resp: 300257
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.0
 265 33.3 17.1 25.7#

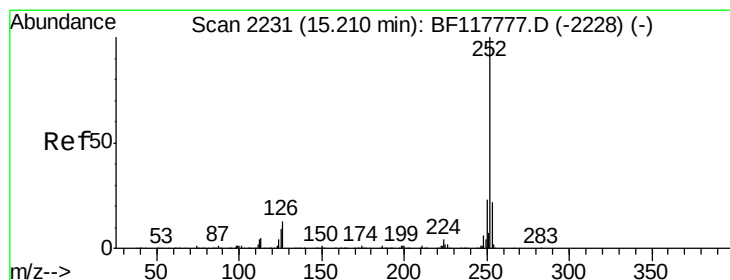
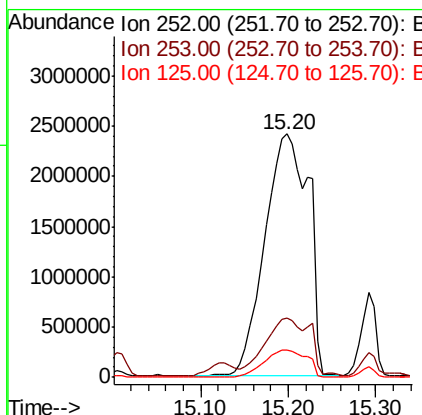
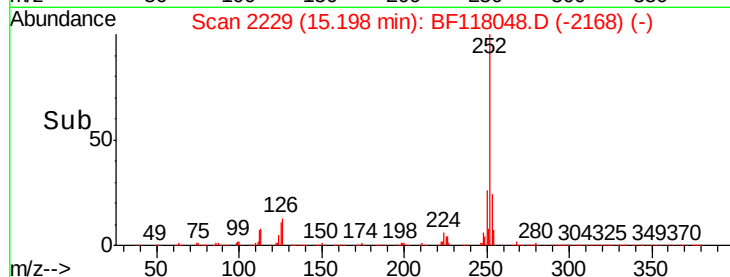
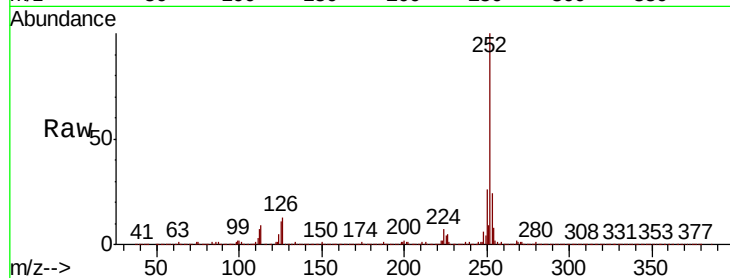




#88
Benzo(b)fluoranthene
Concen: 429.153 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.06 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

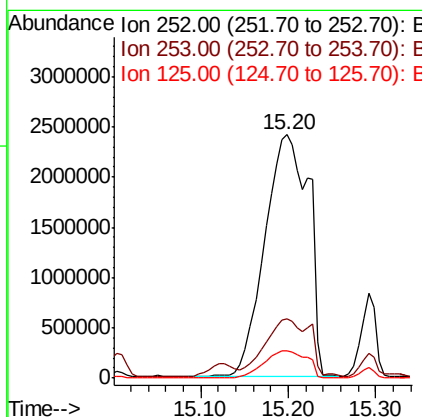
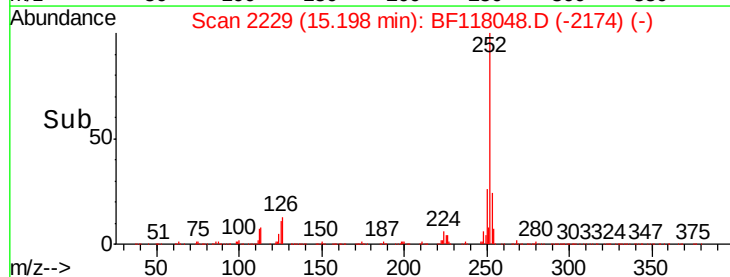
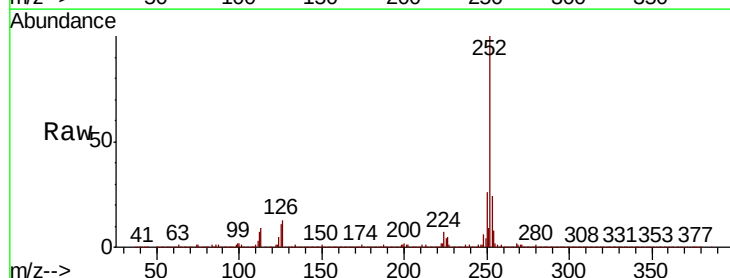
Instrument :
BNA_F
ClientSampleId :

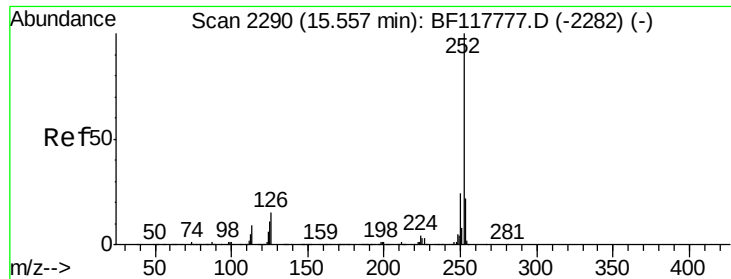
Tot Ion:252 Resp: 8371829
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 11.1 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 455.466 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.02 min
Lab File: BF118048.D
Acq: 27 Nov 2019 18:37

Tgt Ion:252 Resp: 8371829
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 11.1 7.9 11.9





#90

Benzo(a)pyrene

Concen: 255.699 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.06 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampled :

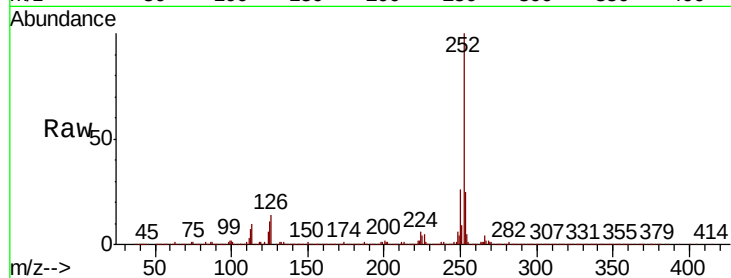
Tot Ion:252 Resp: 4386260

Ion Ratio Lower Upper

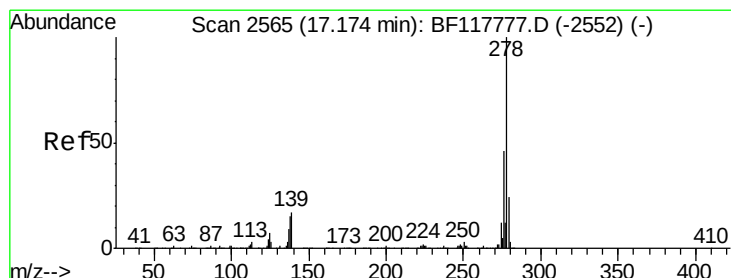
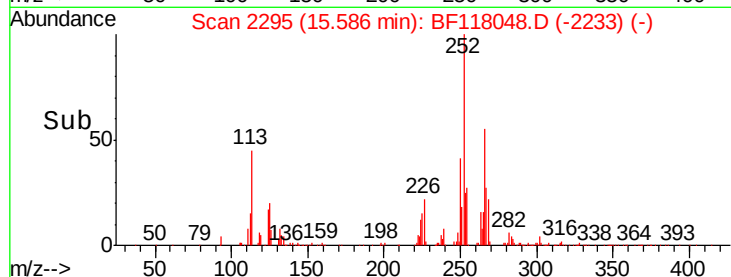
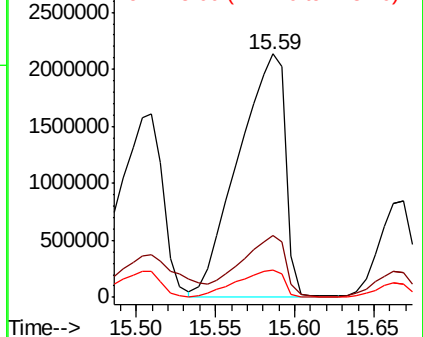
252 100

253 25.3 17.8 26.6

125 11.3 9.2 13.8



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: 43.685 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.06 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

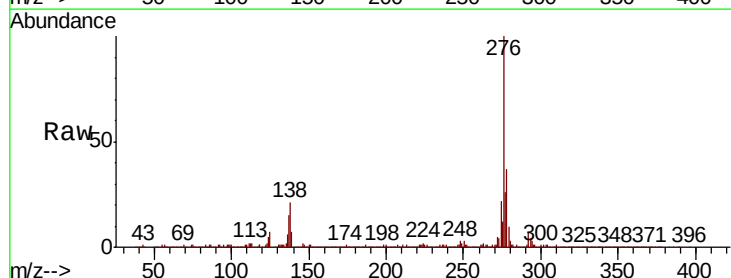
Tgt Ion:278 Resp: 645007

Ion Ratio Lower Upper

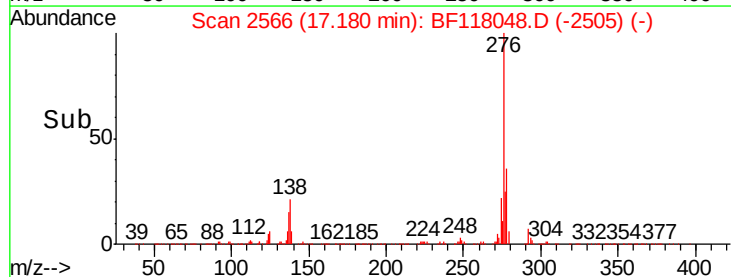
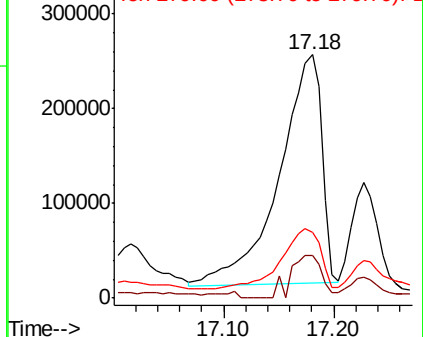
278 100

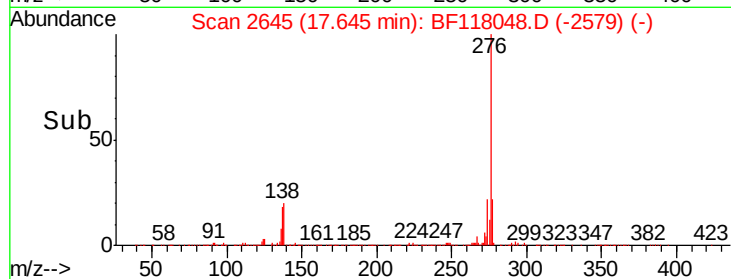
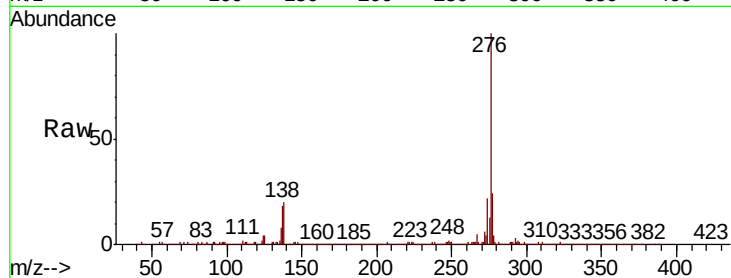
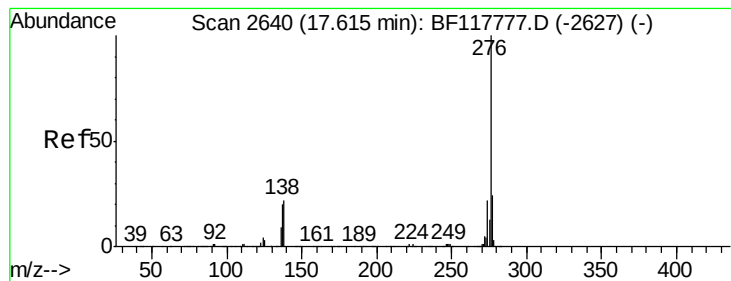
139 17.7 13.8 20.8

279 27.0 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 121.294 ng

RT: 17.64 min Scan# 2645

Delta R.T. 0.09 min

Lab File: BF118048.D

Acq: 27 Nov 2019 18:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 1783767

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 20.5 17.4 26.2

