

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF117002.D
 Acq On : 12 Sep 2019 19:50
 Operator : HP/JU
 Sample : K4850-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 07:47:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	74862	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	305903	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	167725	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	226947	20.00	ng	0.00
76) Chrysene-d12	13.98	240	167446	20.00	ng	0.00
87) Perylene-d12	15.44	264	164503	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	170038	36.80	ng	0.00
7) Phenol-d6	6.45	99	227720	37.53	ng	-0.01
23) Nitrobenzene-d5	7.38	82	137248	25.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	43356	38.67	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	193595	19.47	ng	0.00
79) Terphenyl-d14	12.92	244	140726	15.55	ng	0.00

Target Compounds

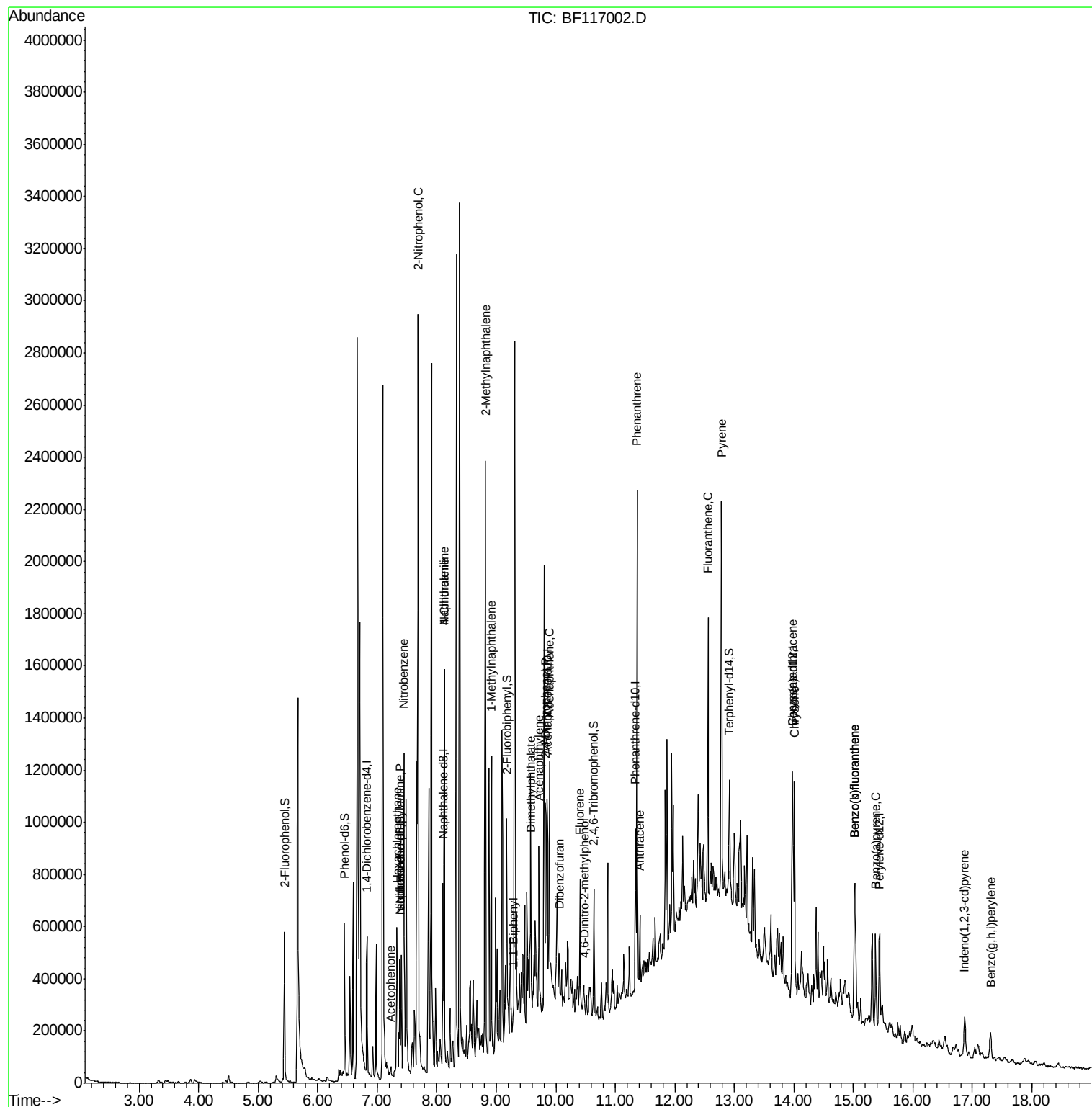
						Qvalue
18) Hexachloroethane	7.33	117	77250	35.030	ng	# 7
19) n-Nitroso-di-n-propylamine	7.38	70	19076	4.775	ng	# 82
22) Acetophenone	7.23	105	14771	2.006	ng	# 89
24) Nitrobenzene	7.44	77	45852	8.413	ng	# 9
25) Isophorone	7.38	82	137246	12.640	ng	# 66
26) 2-Nitrophenol	7.69	139	6733	3.323	ng	# 1
31) Naphthalene	8.13	128	580467	39.906	ng	# 98
33) 4-Chloroaniline	8.13	127	76141	11.499	ng	# 25
37) 2-Methylnaphthalene	8.82	142	254974	26.345	ng	# 89
38) 1-Methylnaphthalene	8.92	142	178101	19.494	ng	# 99
46) 1,1'-Biphenyl	9.28	154	40836	3.209	ng	# 99
49) Acenaphthylene	9.72	152	231004	15.160	ng	# 98
50) Dimethylphthalate	9.57	163	39875	3.444	ng	# 50
52) Acenaphthene	9.89	154	19760	2.111	ng	# 86
54) 2,4-Dinitrophenol	9.83	184	534	9.645	ng	# 1
55) Dibenzofuran	10.06	168	30686	2.325	ng	# 87
58) Fluorene	10.40	166	133714	13.296	ng	# 97
65) 4,6-Dinitro-2-methylphenol	10.49	198	160	7.613	ng	# 1
71) Phenanthrene	11.37	178	729352	57.732	ng	# 99
72) Anthracene	11.42	178	103475	8.137	ng	# 99
75) Fluoranthene	12.56	202	397886	32.048	ng	# 97
78) Pyrene	12.79	202	647179	43.479	ng	# 100
81) Benzo(a)anthracene	13.97	228	290280	27.391	ng	# 98
83) Chrysene	14.01	228	316904	29.025	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.87	276	85063	9.700	ng	# 95
88) Benzo(b)fluoranthene	15.02	252	346733	34.863	ng	# 98
89) Benzo(k)fluoranthene	15.02	252	346733	38.236	ng	# 97
90) Benzo(a)pyrene	15.37	252	155549	17.977	ng	# 99
92) Benzo(g,h,i)perylene	17.30	276	79011	10.229	ng	# 95

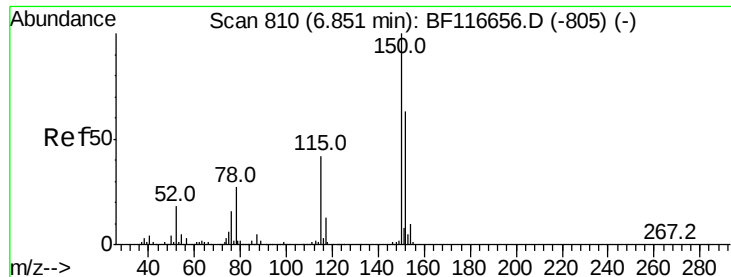
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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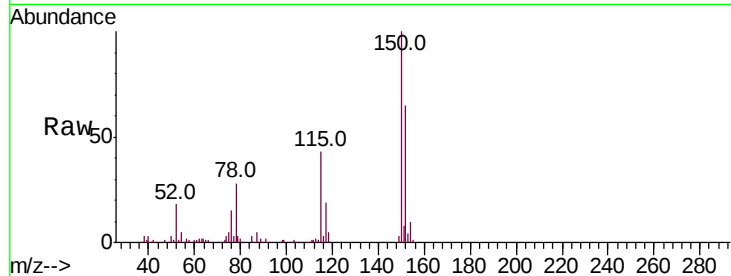


#1

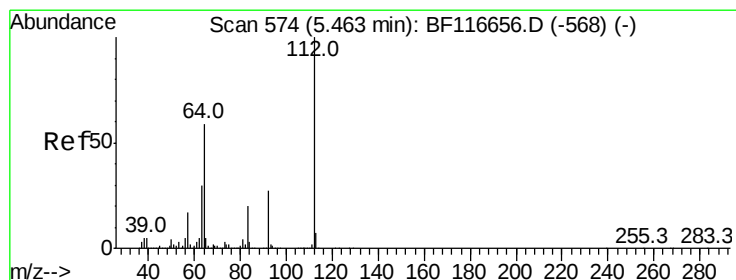
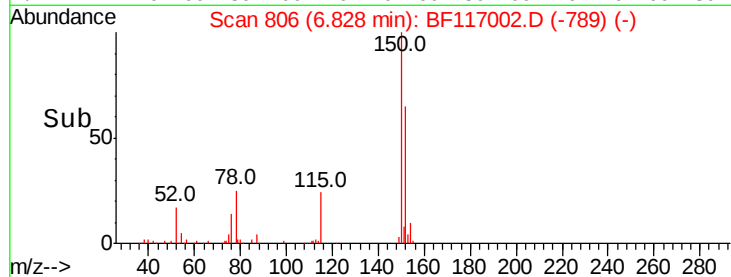
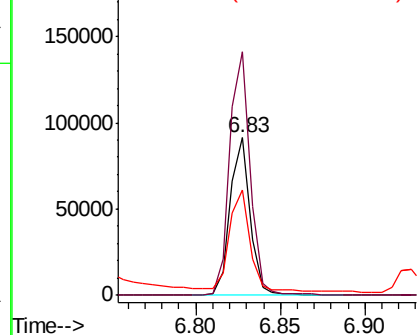
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74862
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 66.6 50.2 75.2



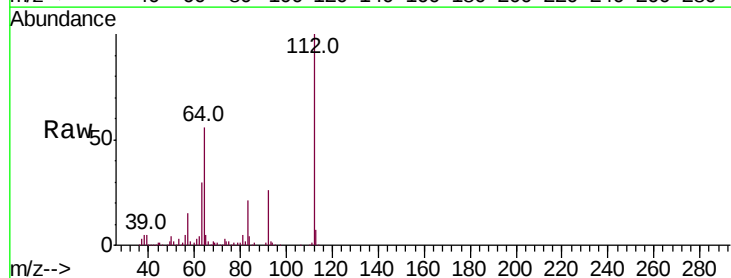
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



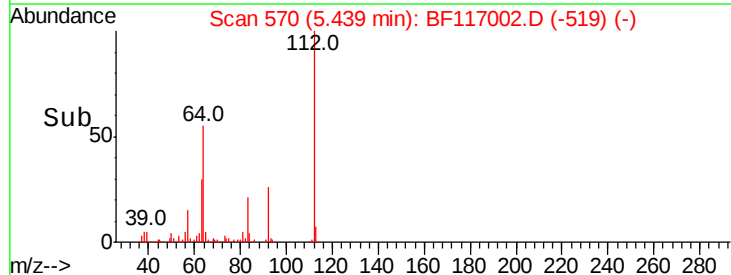
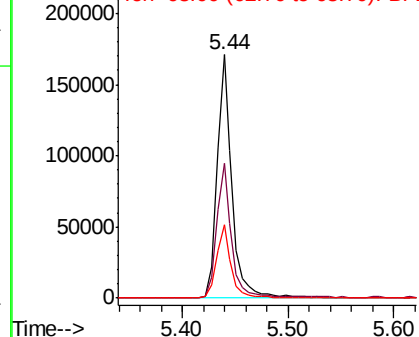
#5

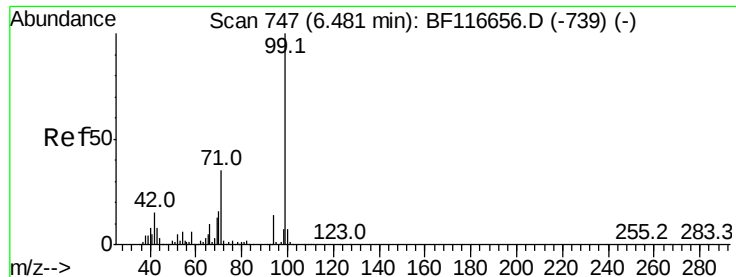
2-Fluorophenol
Concen: 36.797 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion:112 Resp: 170038
Ion Ratio Lower Upper
112 100
64 55.6 47.1 70.7
63 30.4 25.4 38.0



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: 37.529 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

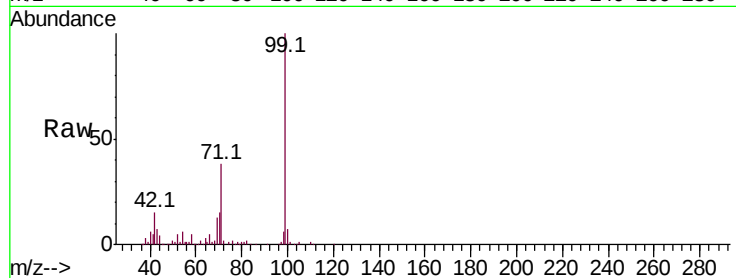
Tot Ion: 99 Resp: 227720

Ion Ratio Lower Upper

99 100

42 15.3 12.0 18.0

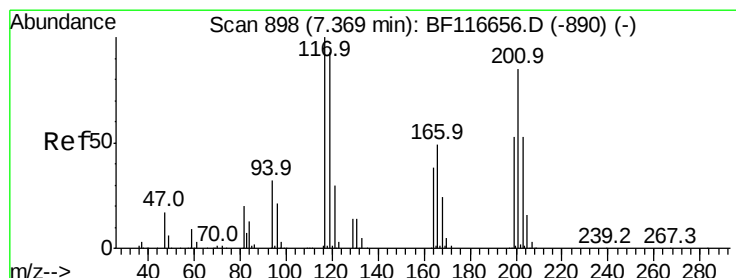
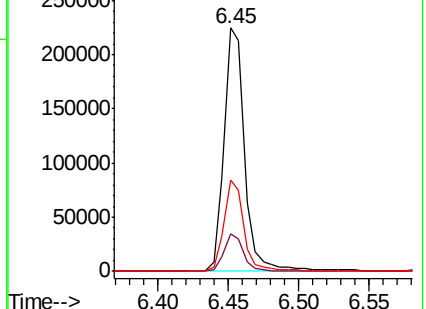
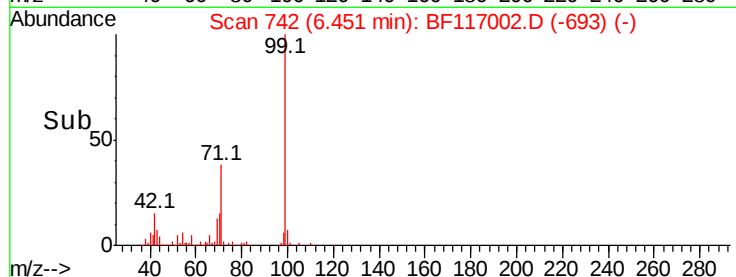
71 37.7 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 35.030 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

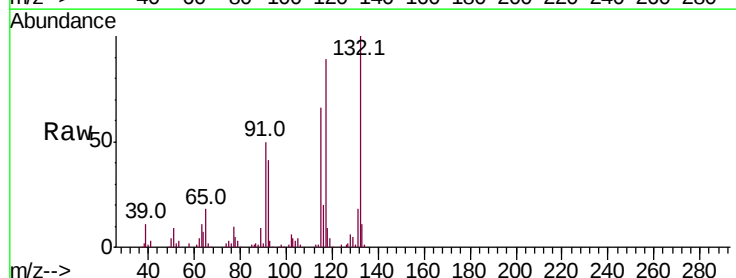
Tgt Ion: 117 Resp: 77250

Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

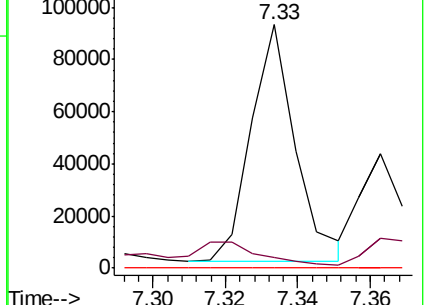
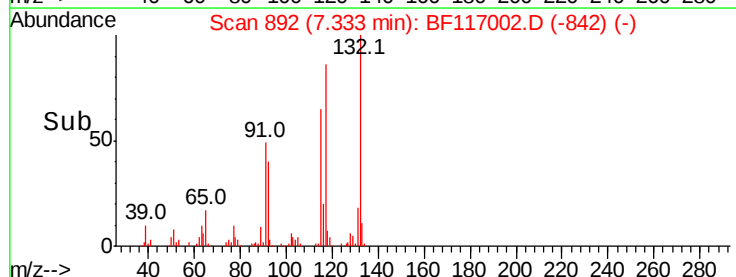
201 0.0 68.2 102.2#

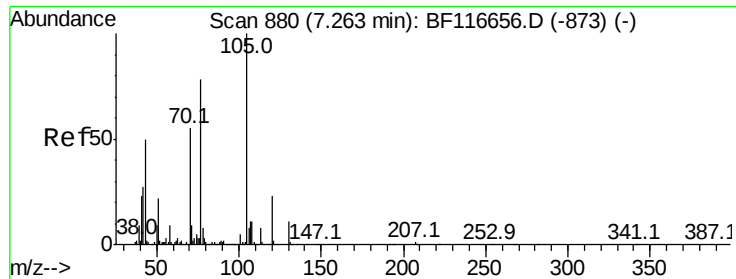


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.775 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 19076

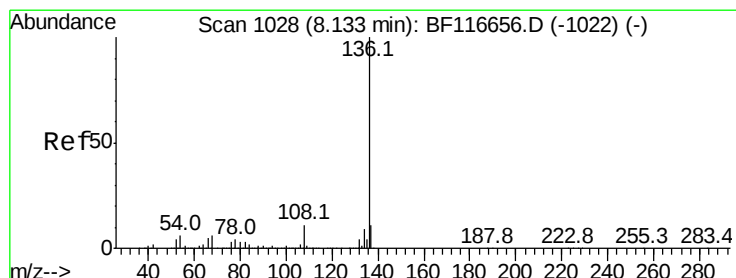
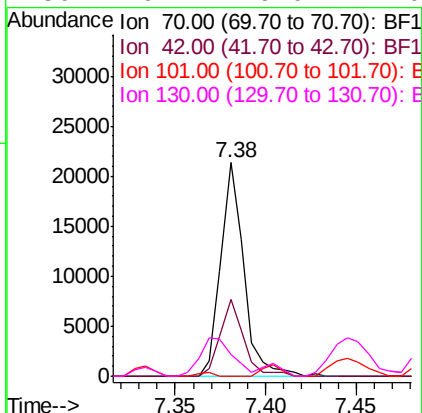
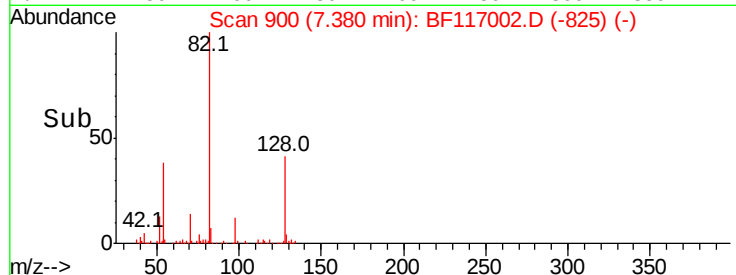
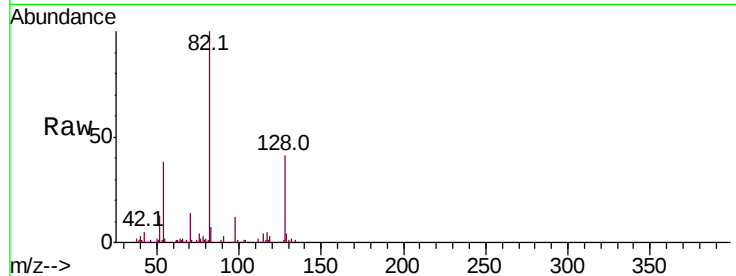
Ion Ratio Lower Upper

70 100

42 36.1 37.0 55.4#

101 0.0 7.4 11.2#

130 10.1 16.0 24.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Tgt Ion: 136 Resp: 305903

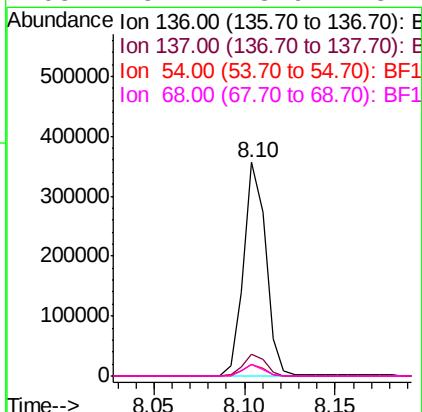
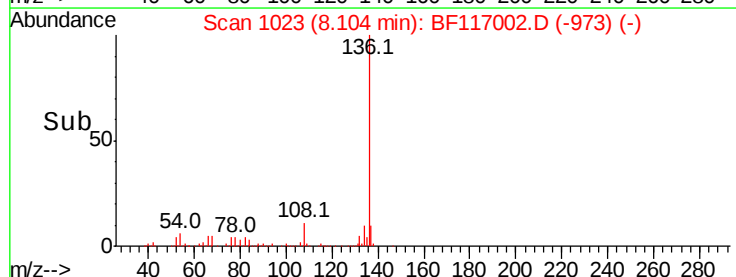
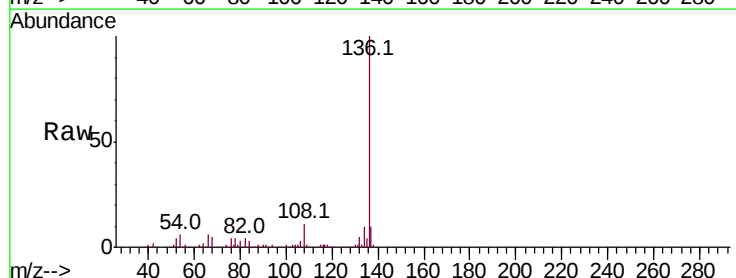
Ion Ratio Lower Upper

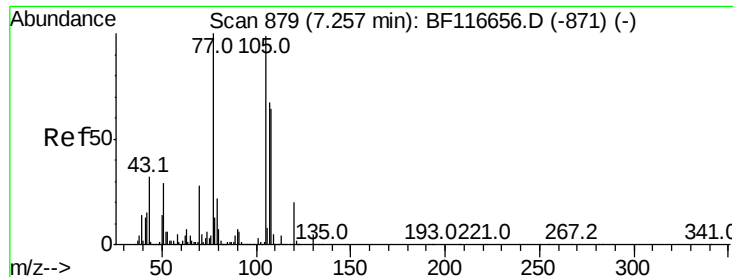
136 100

137 10.4 8.5 12.7

54 5.6 3.8 5.8

68 5.4 3.6 5.4#





#22

Acetophenone

Concen: 2.006 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF117002.D

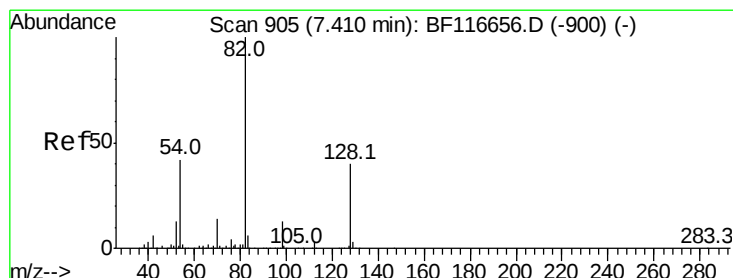
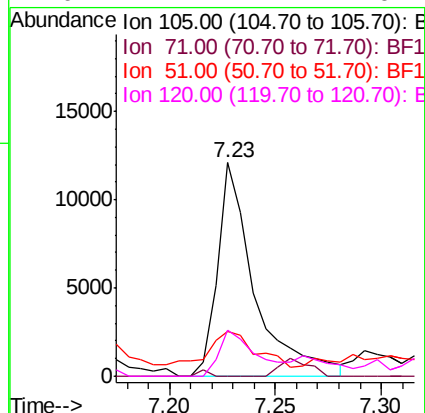
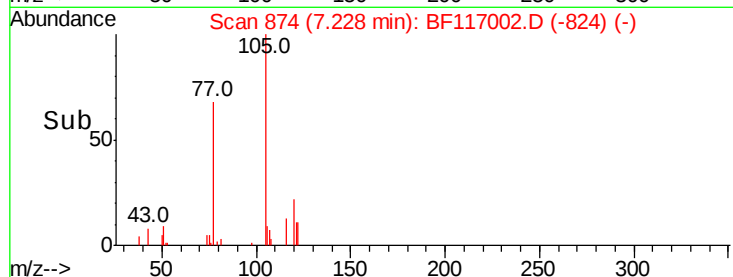
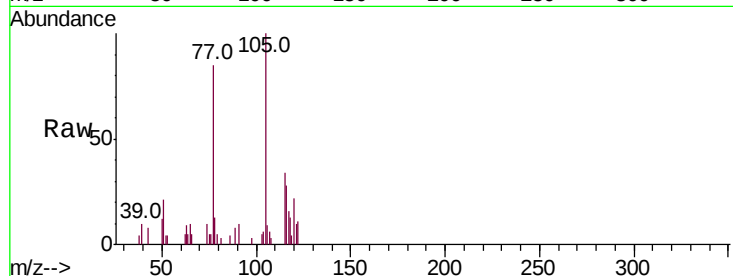
Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	14771
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.2	6.4#
51	21.0	24.6	37.0#
120	21.7	17.4	26.2



#23

Nitrobenzene-d5

Concen: 25.613 ng

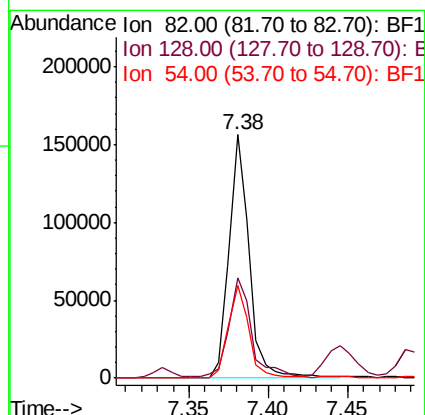
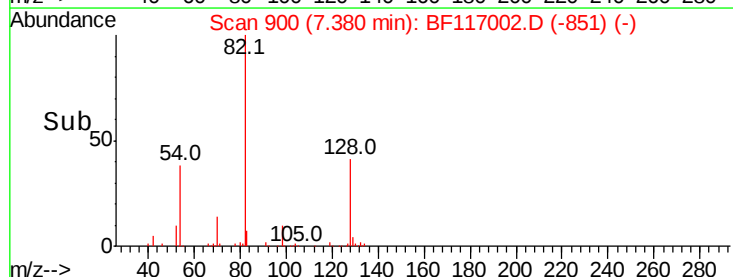
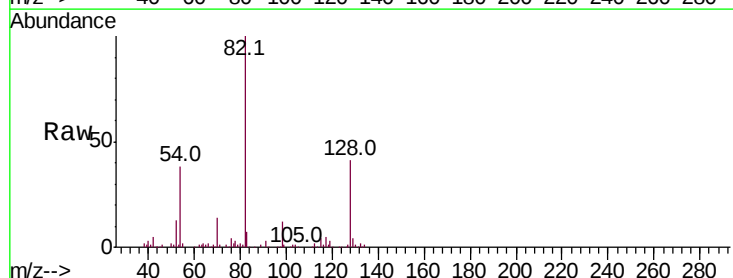
RT: 7.38 min Scan# 900

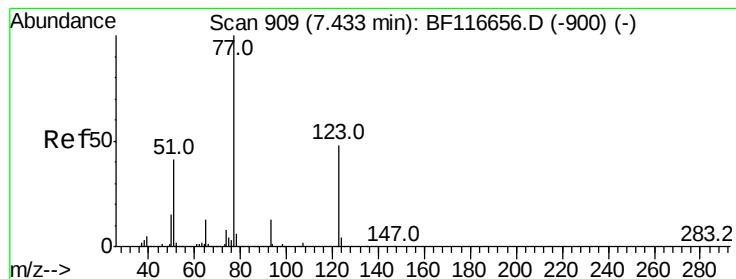
Delta R.T. -0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Tgt Ion:	82	Resp:	137248
Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.0	52.4
54	38.2	32.6	48.8





#24

Nitrobenzene

Concen: 8.413 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.03 min

Lab File: BF117002.D

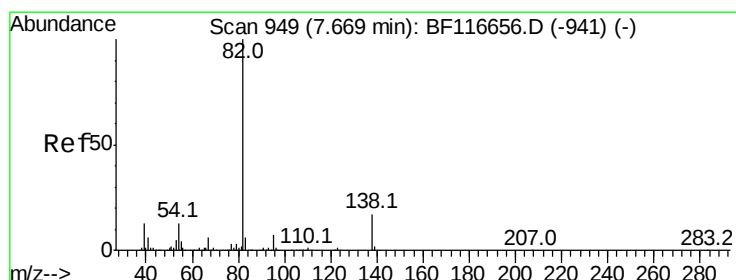
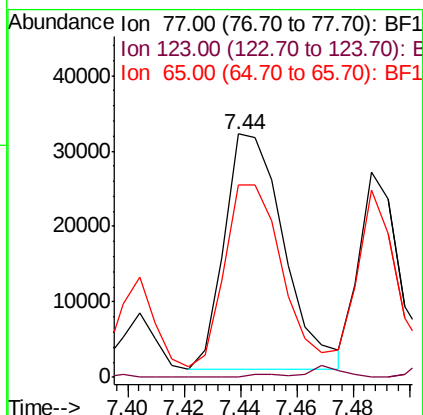
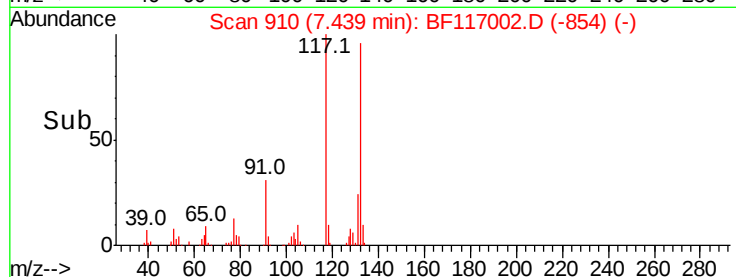
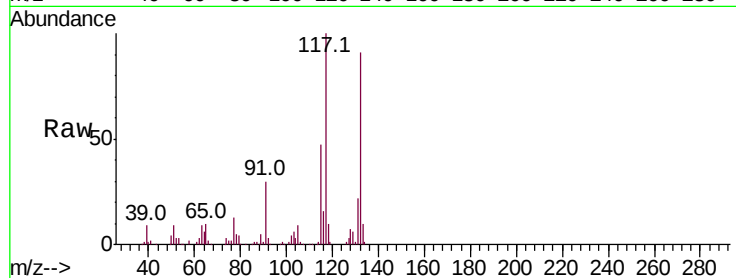
Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.7	56.5#
65	79.3	10.3	15.5#



#25

Isophorone

Concen: 12.640 ng

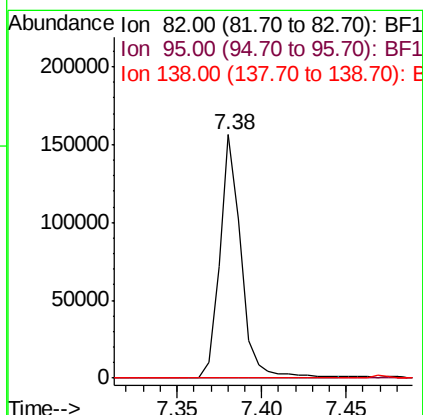
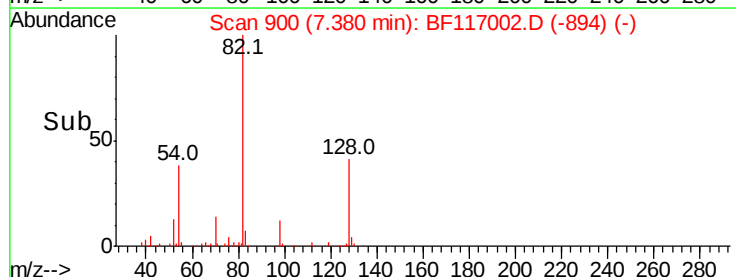
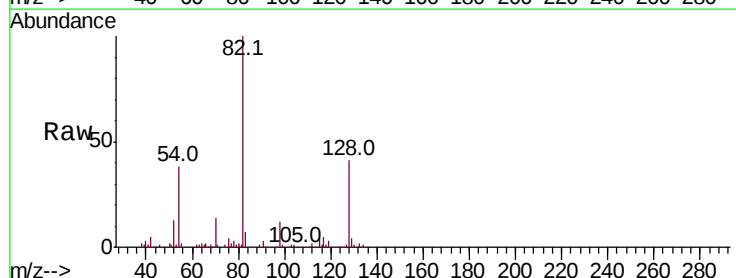
RT: 7.38 min Scan# 900

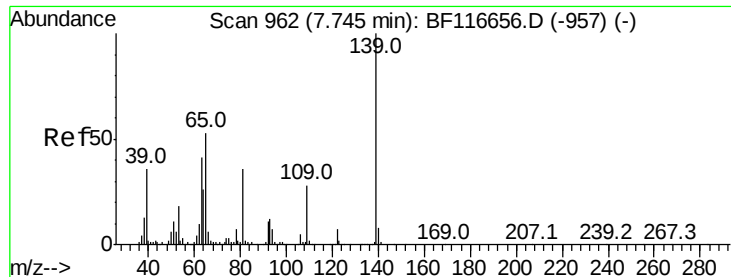
Delta R.T. -0.26 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	13.4	20.2#

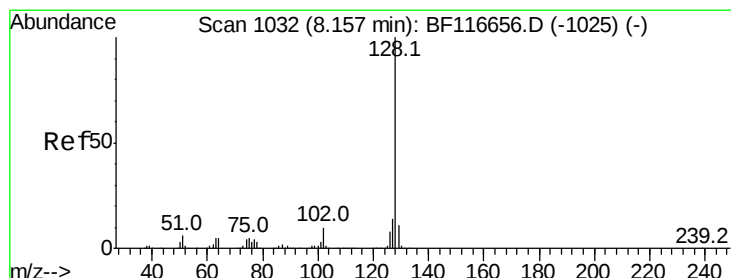
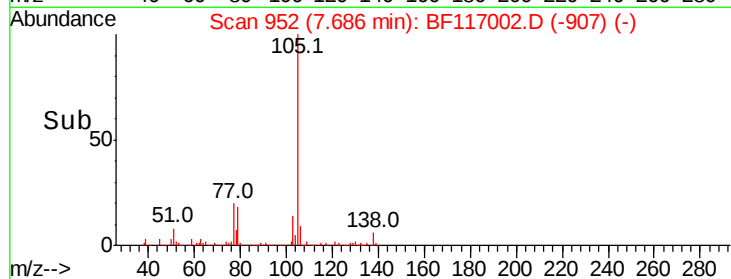
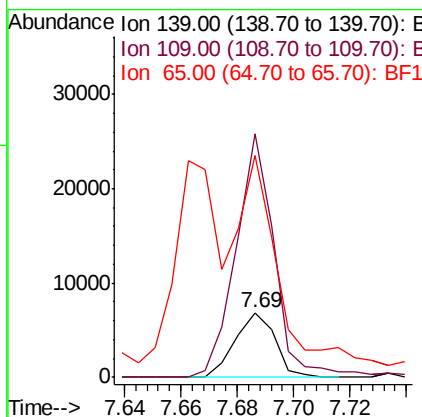
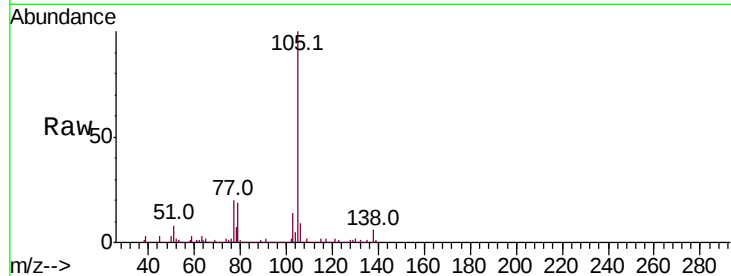




#26
2-Nitrophenol
Concen: 3.323 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.04 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

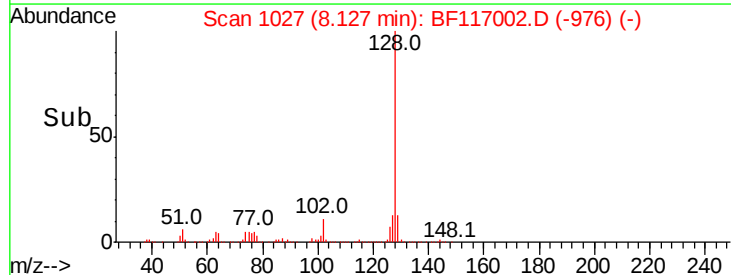
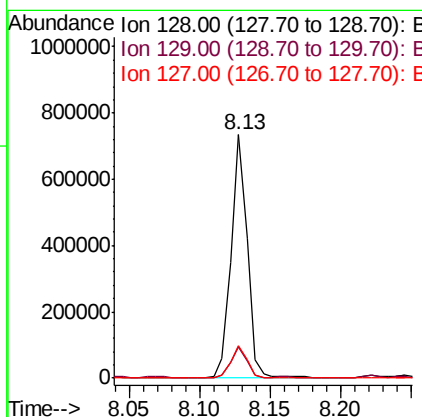
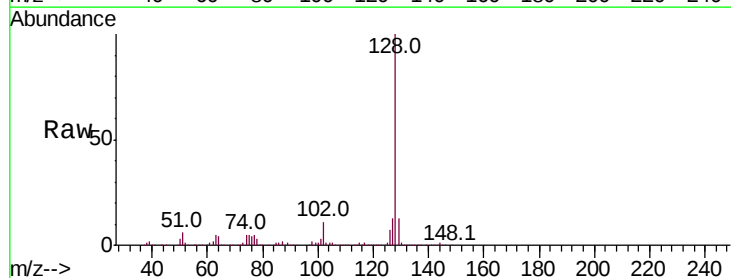
Instrument :
BNA_F
ClientSampleId :

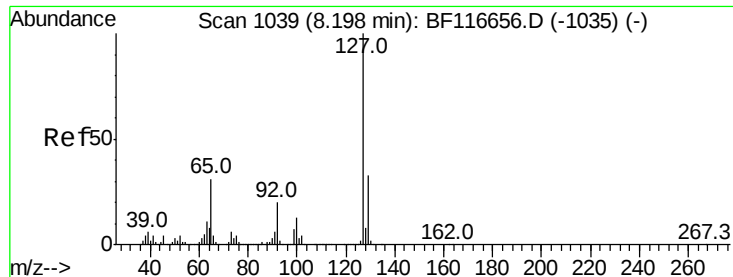
Tot Ion	Ratio	Lower	Upper
139	100		
109	377.6	26.2	39.4#
65	344.5	42.5	63.7#



#31
Naphthalene
Concen: 39.906 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.2	13.8
127	13.1	10.6	16.0

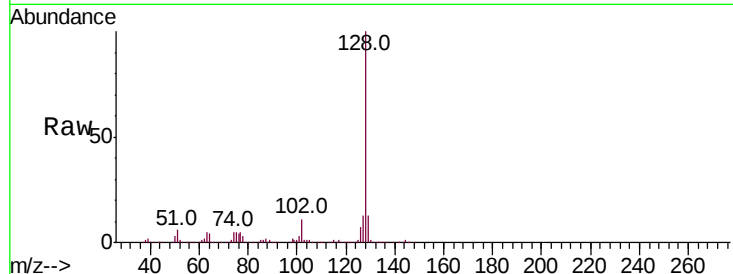




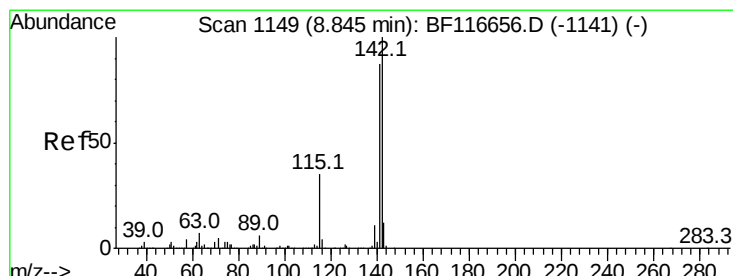
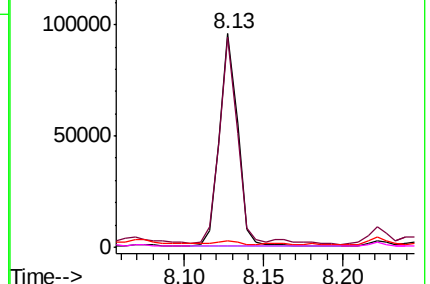
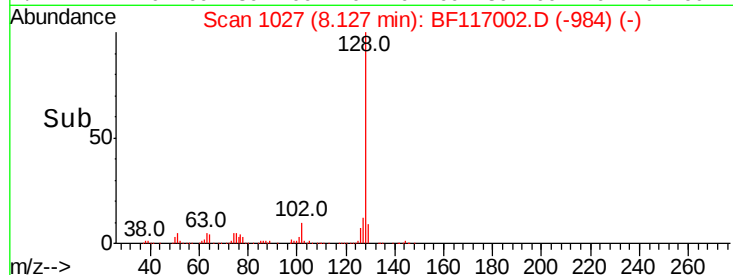
#33
 4-Chloroaniline
 Concen: 11.499 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. -0.05 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:127	Resp:	76141
Ion Ratio	Lower	Upper
127	100	
129	98.1	25.8 38.8#
65	3.1	25.3 37.9#
92	0.5	16.0 24.0#

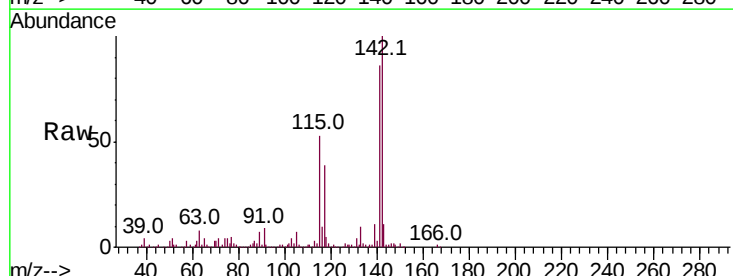


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

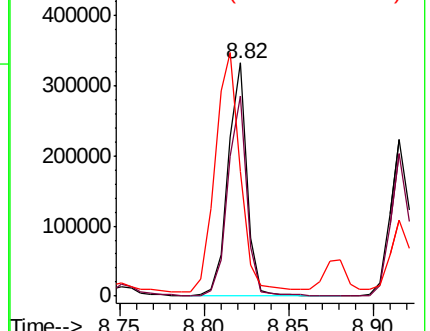
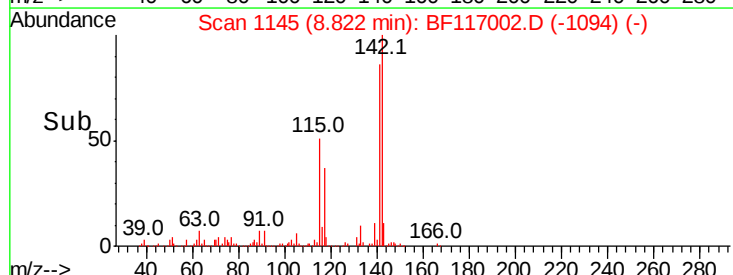


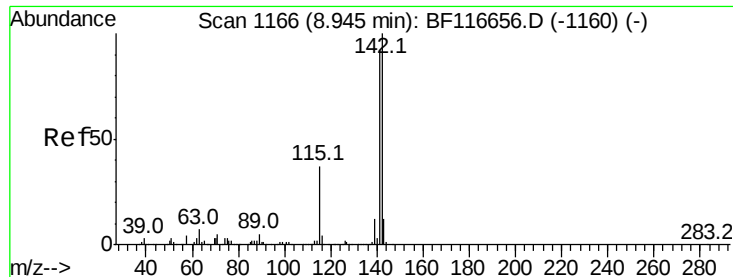
#37
 2-Methylnaphthalene
 Concen: 26.345 ng
 RT: 8.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Tgt Ion:142	Resp:	254974
Ion Ratio	Lower	Upper
142	100	
141	86.1	70.5 105.7
115	53.5	27.7 41.5#



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

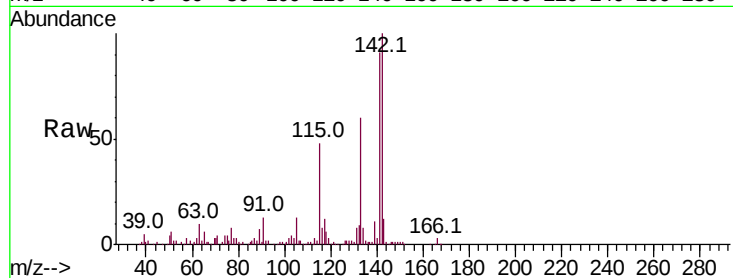




#38
1-Methylnaphthalene
Concen: 19.494 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.9	107.9
116	8.0	3.2	4.8#

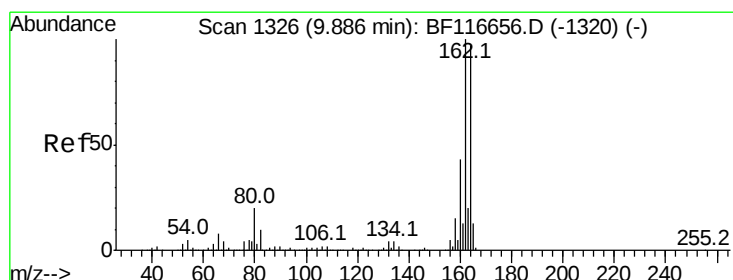
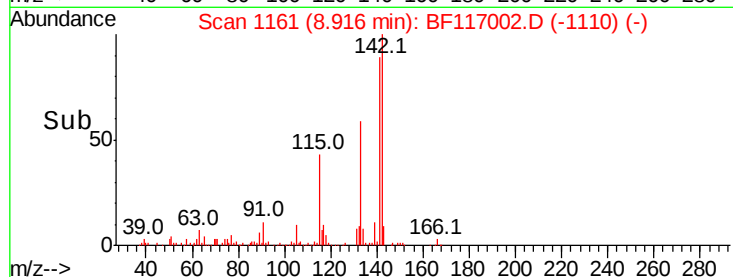
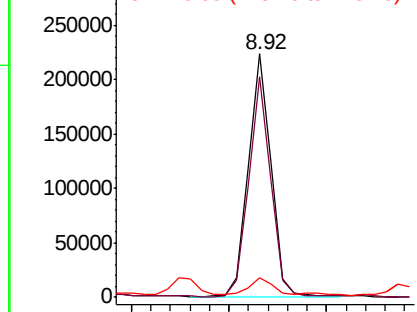


Abundance

Ion 142.00 (141.70 to 142.70): E

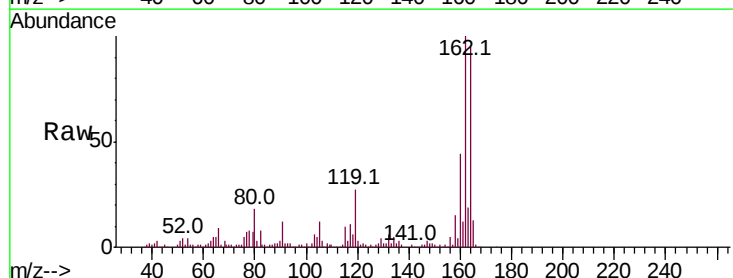
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.8	122.6
160	45.6	35.7	53.5

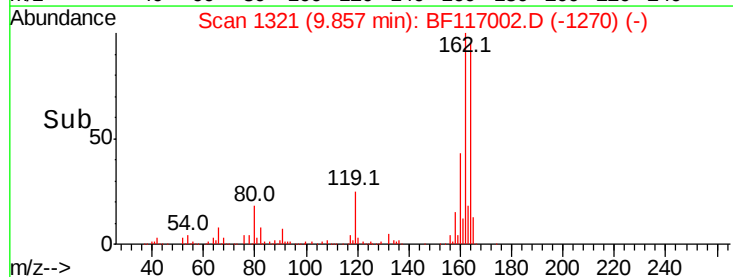
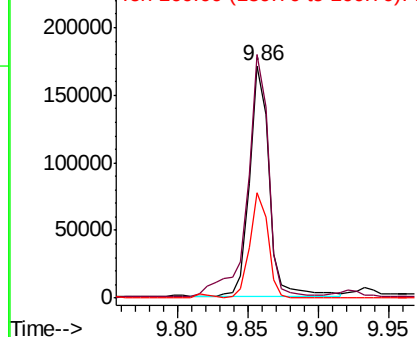


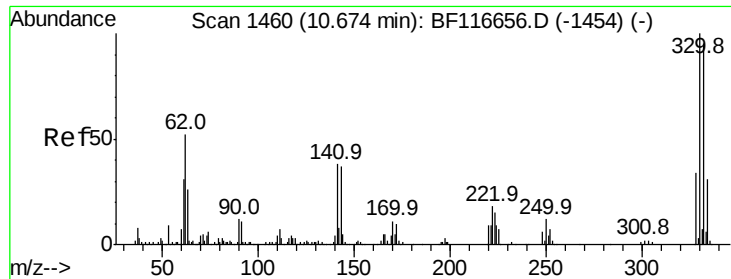
Abundance

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

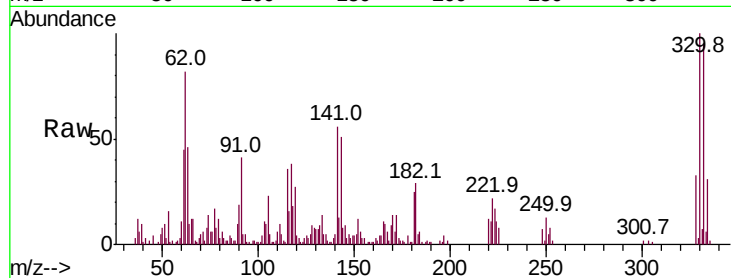




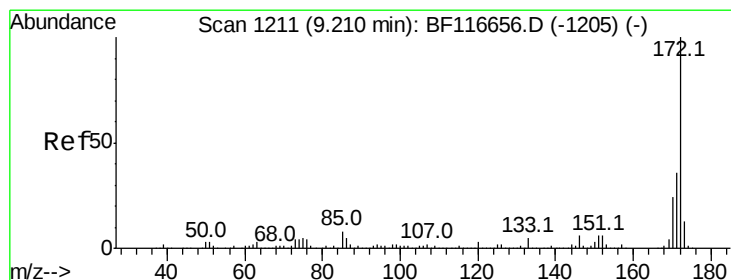
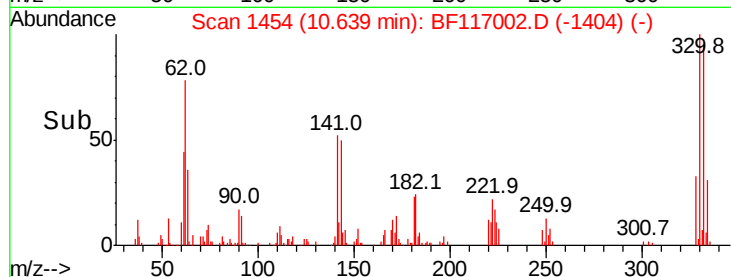
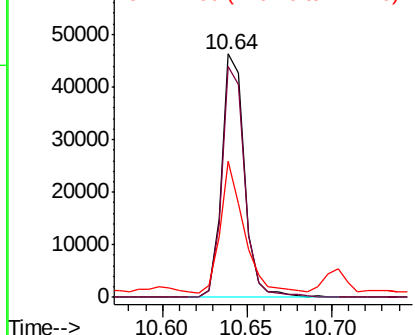
#42
 2,4,6-Tribromophenol
 Concen: 38.667 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 43356
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.9 113.9
 141 55.7 35.6 53.4#

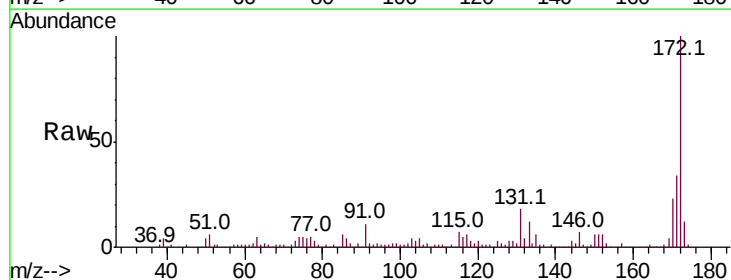


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

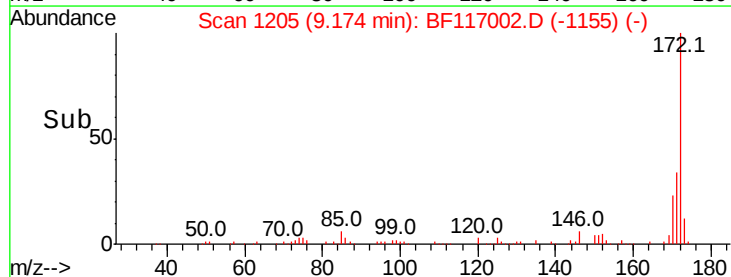
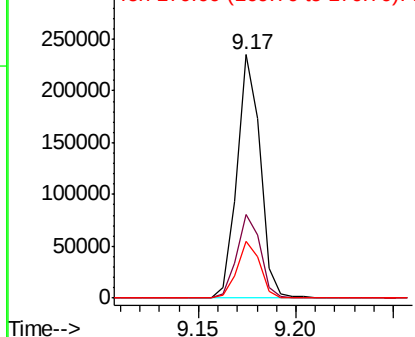


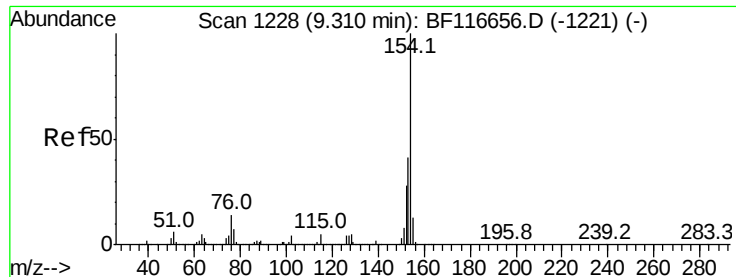
#45
 2-Fluorobiphenyl
 Concen: 19.471 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Tgt Ion:172 Resp: 193595
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.1 43.7
 170 23.4 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

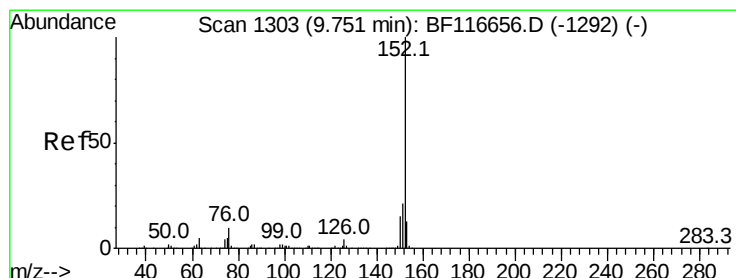
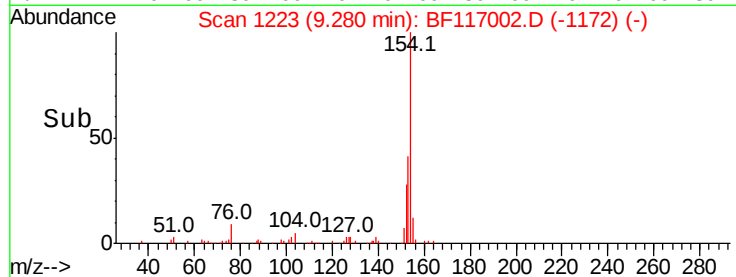
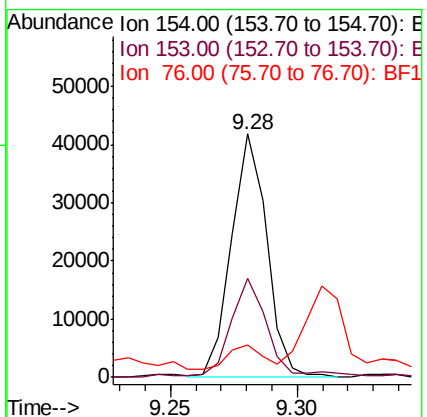
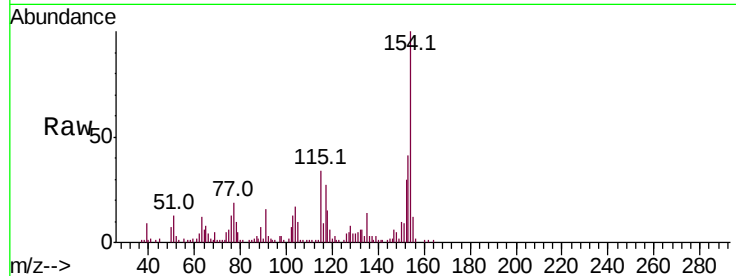




#46
1,1'-Biphenyl
Concen: 3.209 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

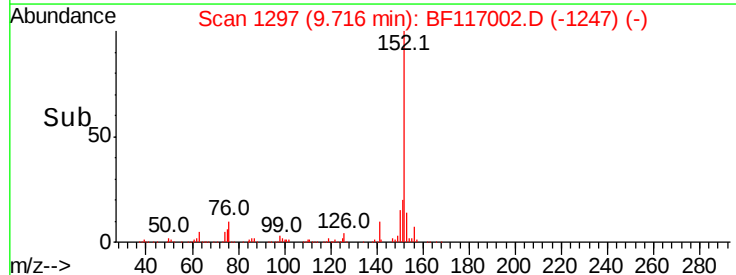
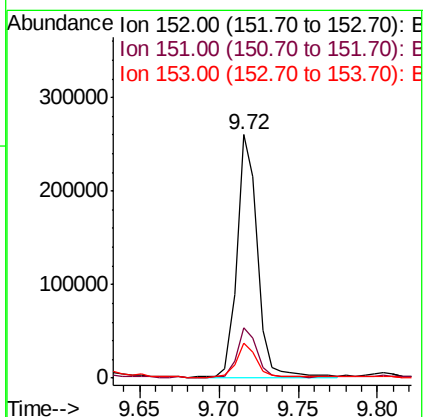
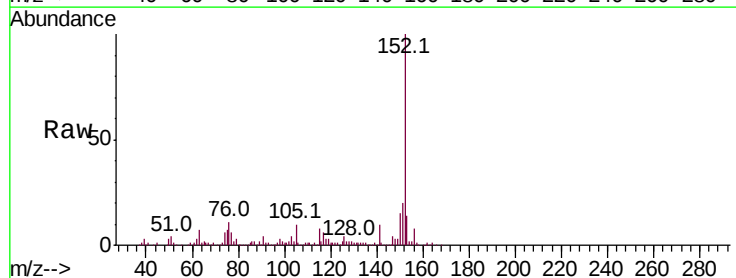
Instrument :
BNA_F
ClientSampled :

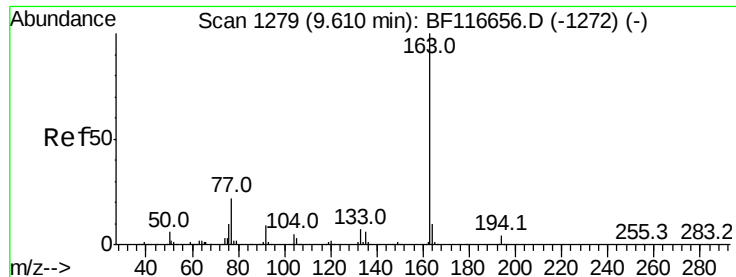
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.8	59.8
76	13.1	0.0	32.8



#49
Acenaphthylene
Concen: 15.160 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.2	10.3	15.5





#50

Dimethylphthalate

Concen: 3.444 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

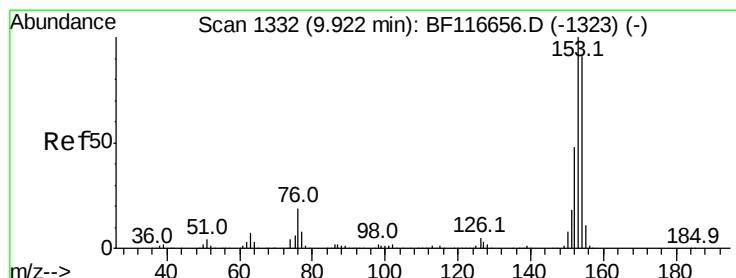
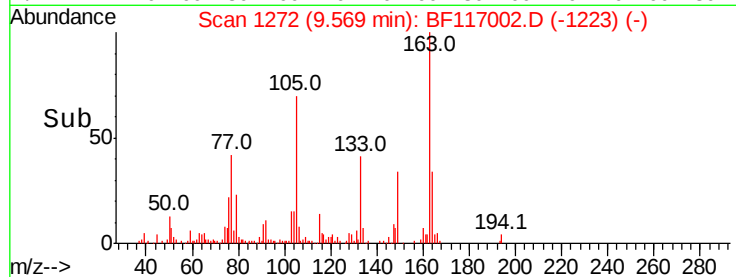
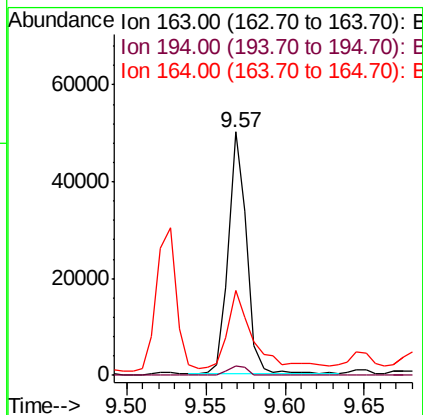
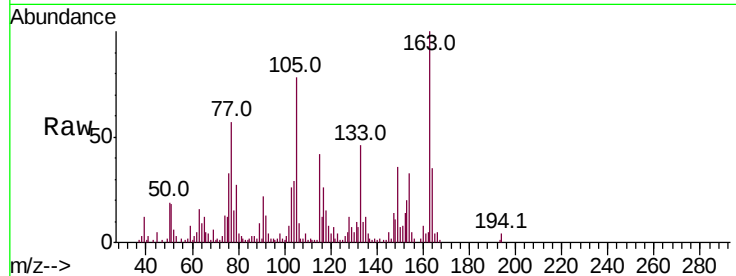
Tot Ion:163 Resp: 39875

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

164 34.9 8.2 12.4#



#52

Acenaphthene

Concen: 2.111 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

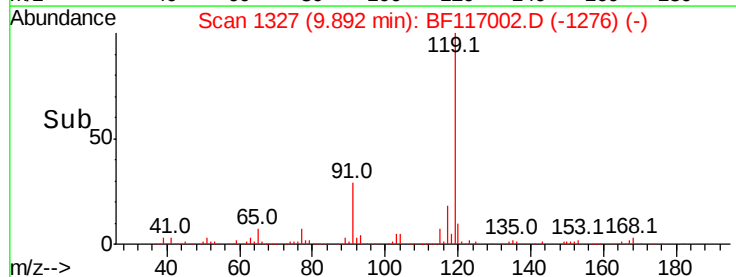
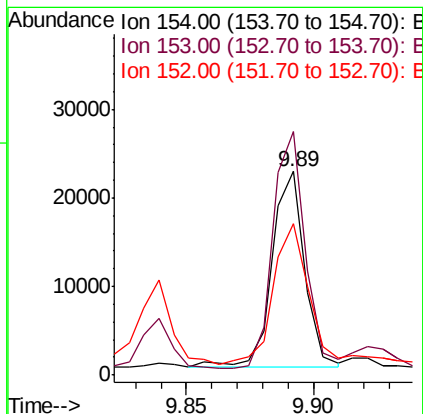
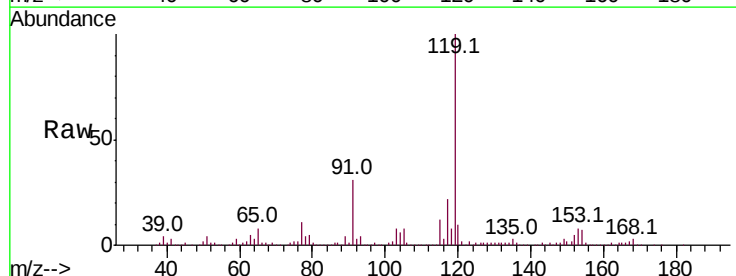
Tgt Ion:154 Resp: 19760

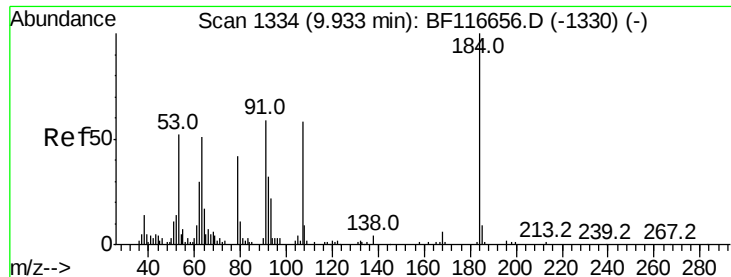
Ion Ratio Lower Upper

154 100

153 119.6 89.9 134.9

152 74.5 42.6 63.8#





#54

2,4-Dinitrophenol

Concen: 9.645 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.09 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

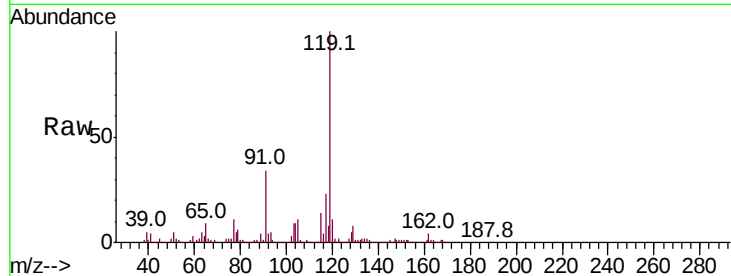
Tot Ion:184 Resp: 534

Ion Ratio Lower Upper

184 100

63 1954.3 49.0 73.4#

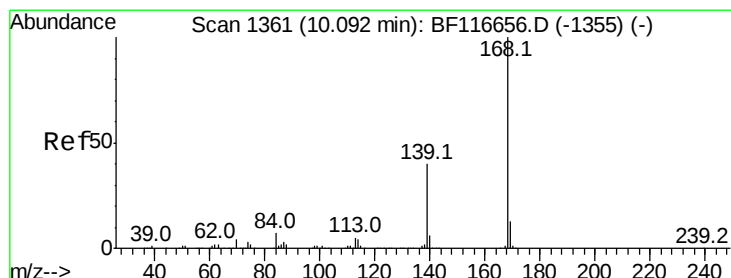
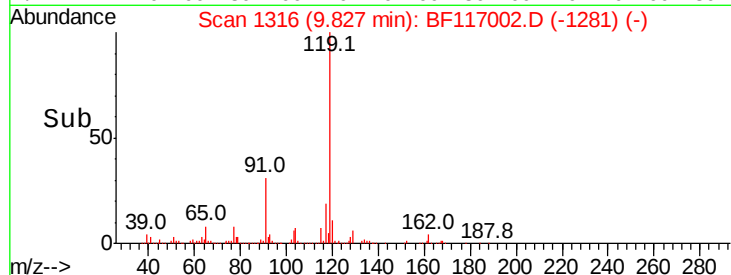
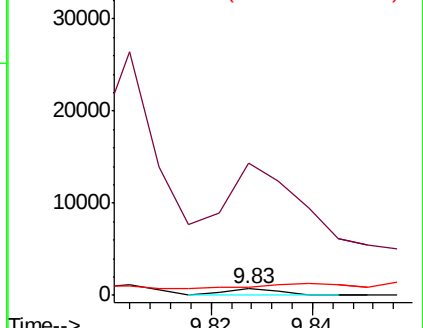
154 122.6 58.3 87.5#



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: 2.325 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

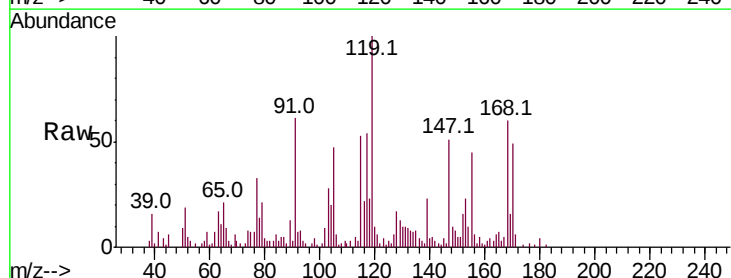
Tgt Ion:168 Resp: 30686

Ion Ratio Lower Upper

168 100

139 38.5 34.2 51.4

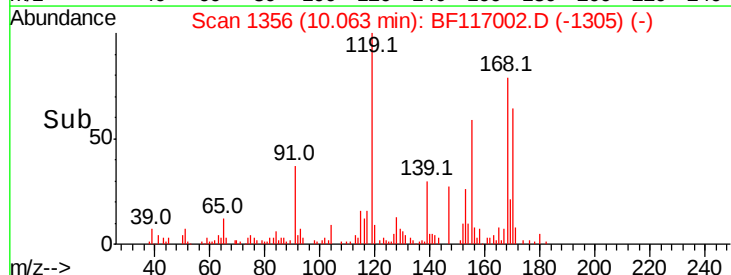
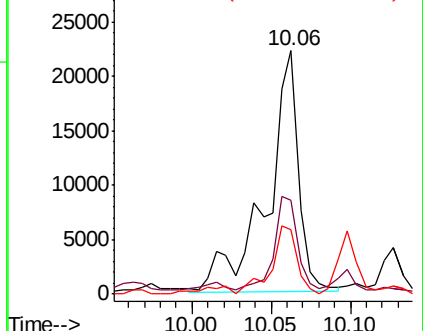
169 26.6 11.0 16.4#

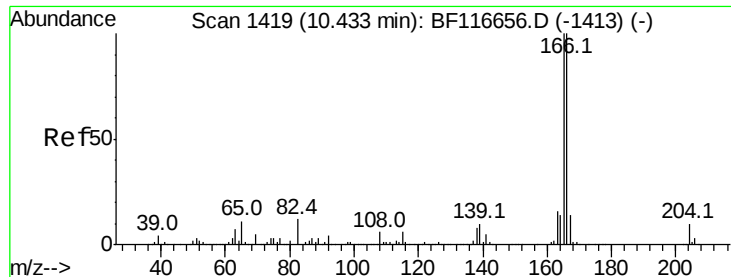


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

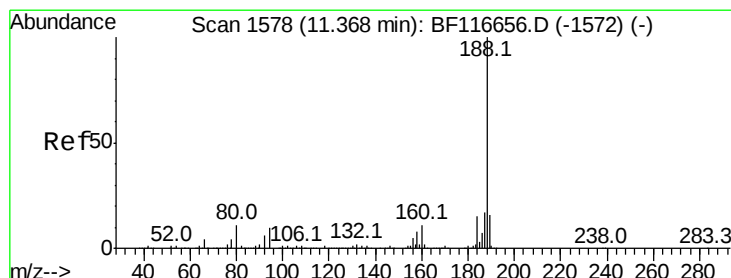
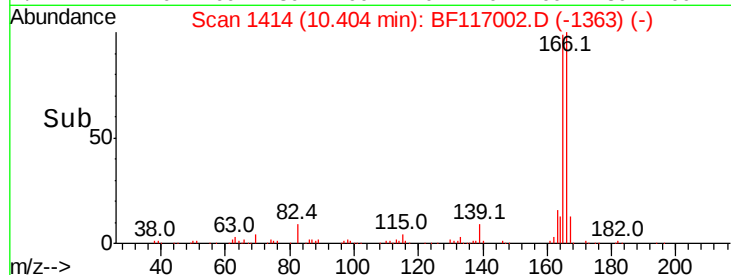
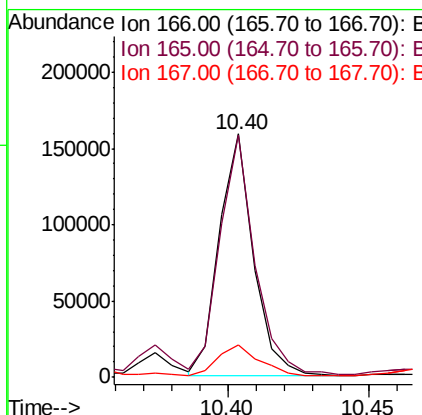
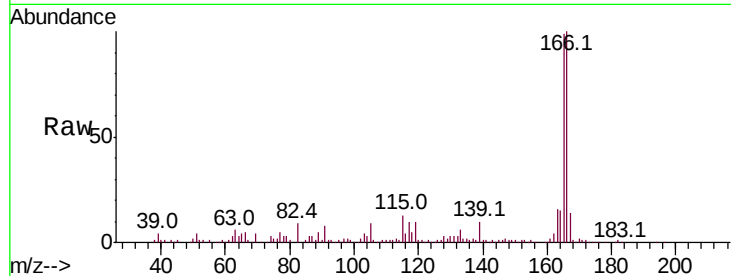




#58
 Fluorene
 Concen: 13.296 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

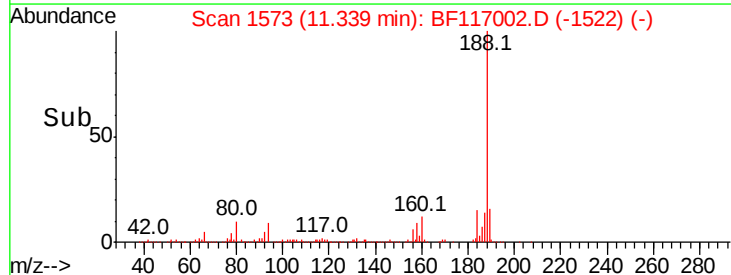
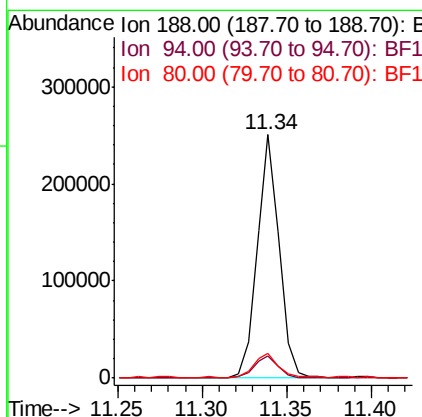
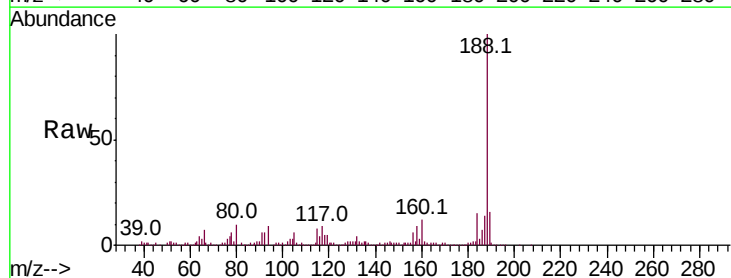
Instrument :
 BNA_F
 ClientSampleId :

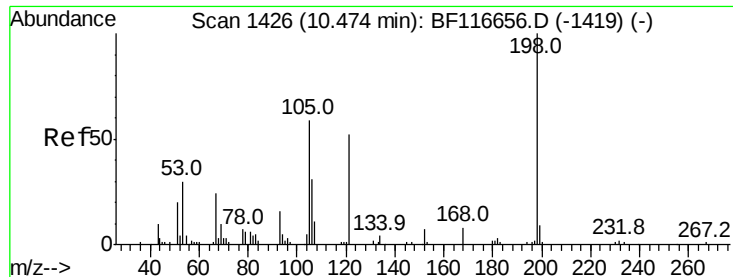
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.0	115.6
167	13.5	10.7	16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.3	8.5	12.7

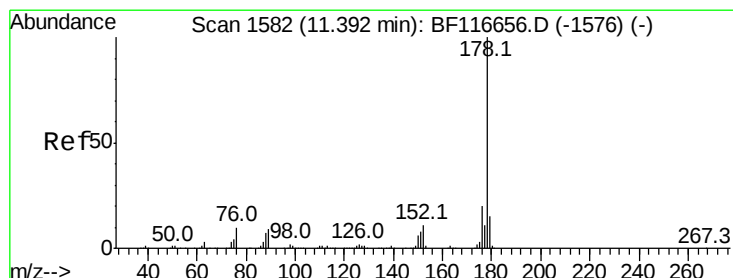
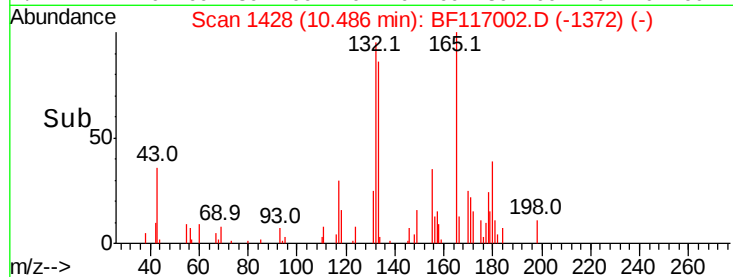
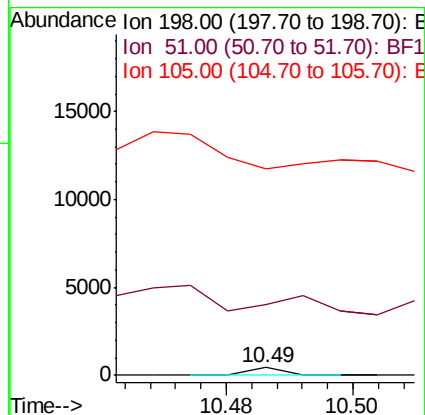
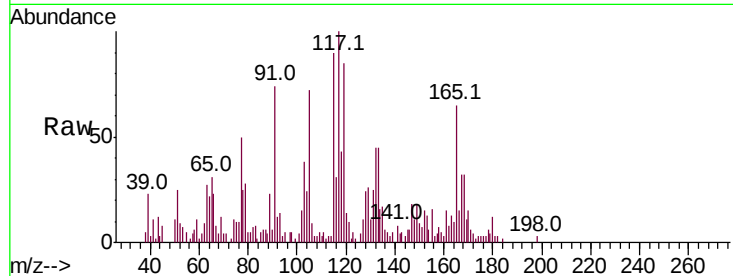




#65
4,6-Dinitro-2-methylphenol
Concen: 7.613 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.03 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

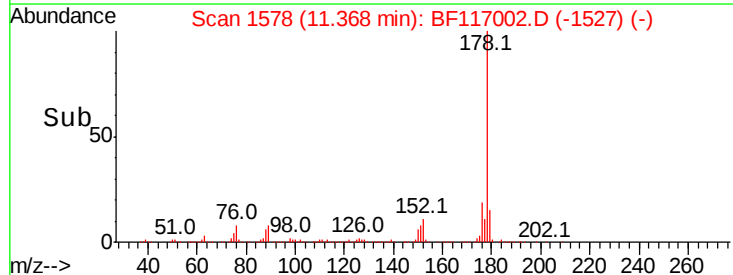
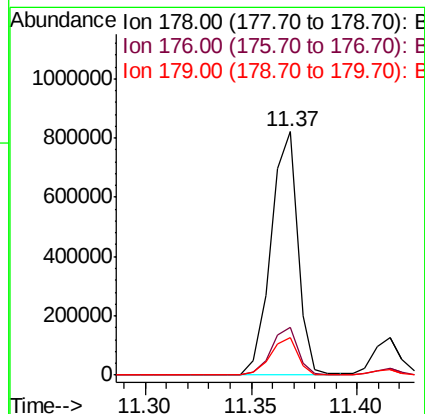
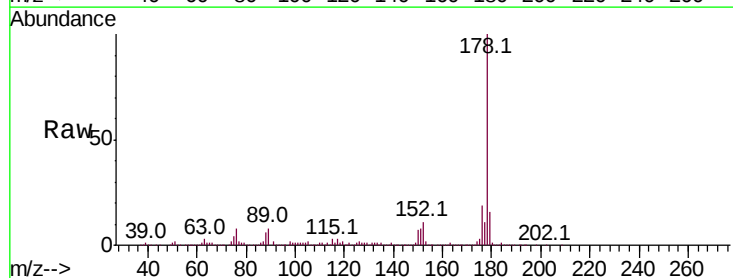
Instrument :
BNA_F
ClientSampleId :

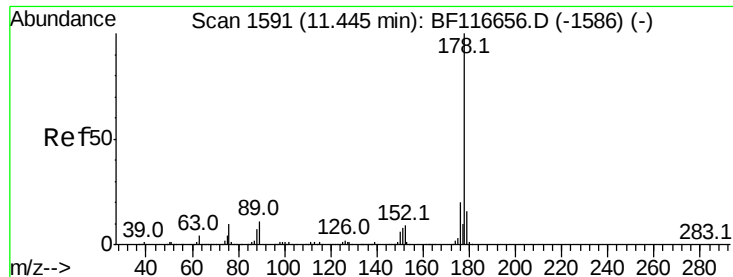
Tot Ion:198 Resp: 160
Ion Ratio Lower Upper
198 100
51 894.0 26.3 66.3#
105 2601.5 40.0 80.0#



#71
Phenanthrene
Concen: 57.732 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion:178 Resp: 729352
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.5 12.0 18.0





#72

Anthracene

Concen: 8.137 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampled :

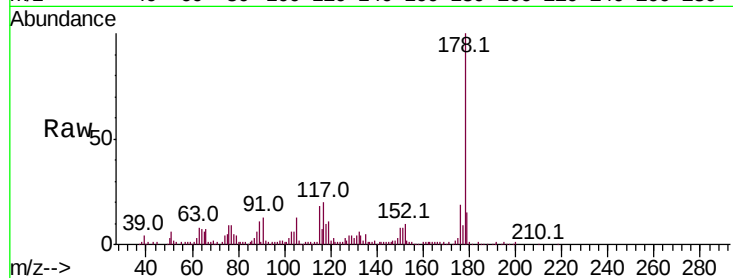
Tot Ion:178 Resp: 103475

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

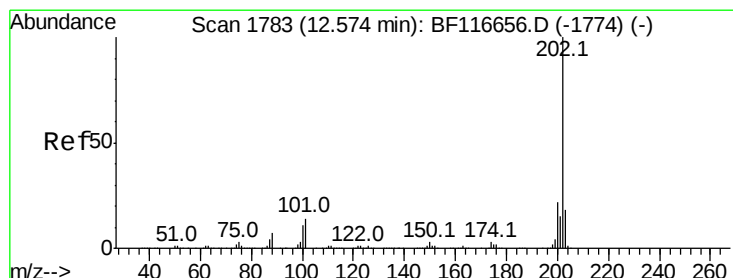
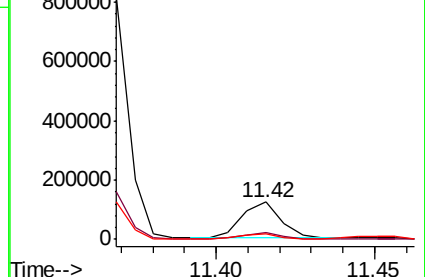
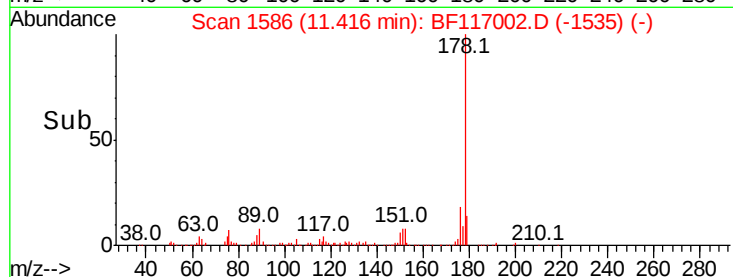
179 14.8 12.3 18.5



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



#75

Fluoranthene

Concen: 32.048 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

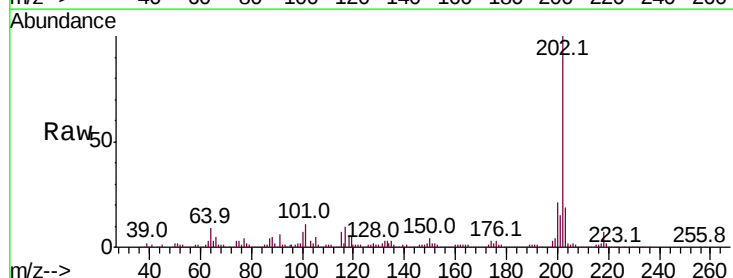
Tgt Ion:202 Resp: 397886

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.0

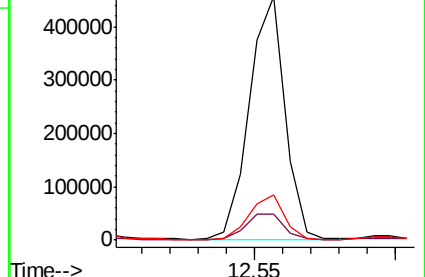
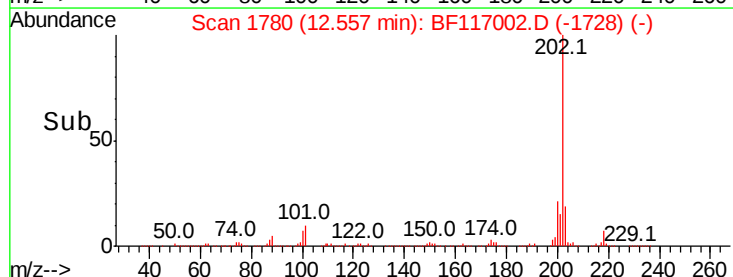
203 18.7 0.0 37.5

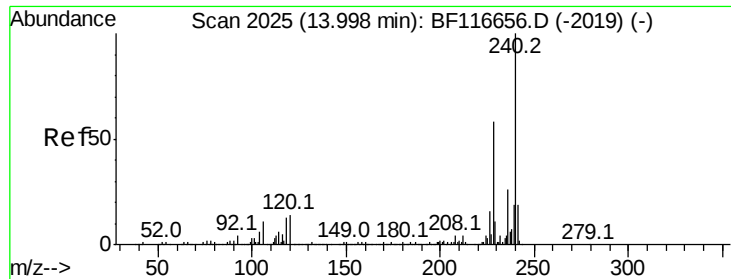


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

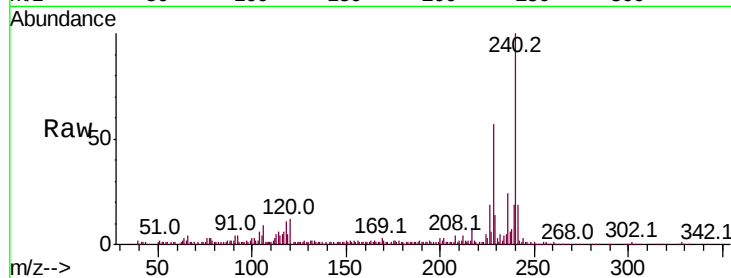




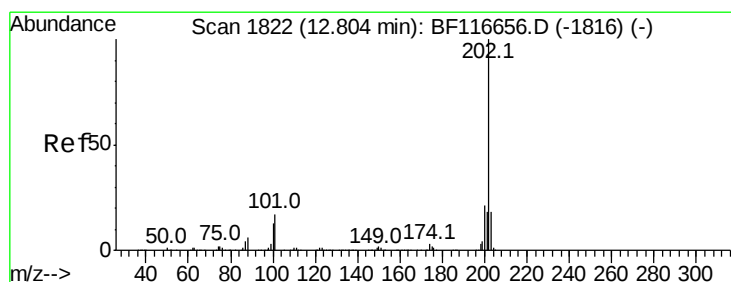
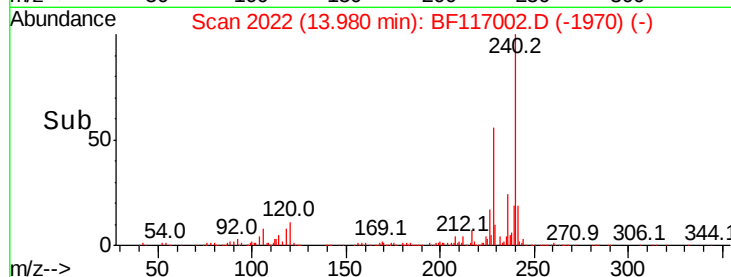
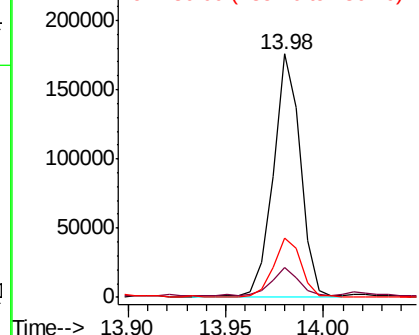
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 167446
Ion Ratio Lower Upper
240 100
120 12.4 9.1 13.7
236 24.4 20.9 31.3

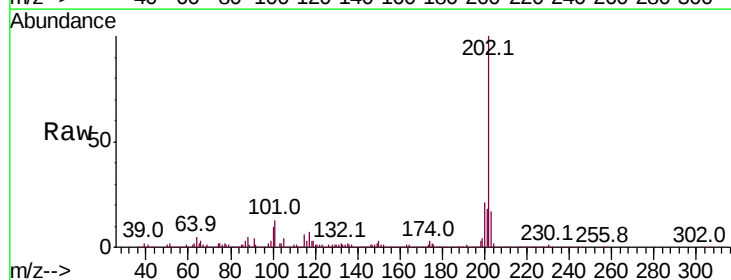


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

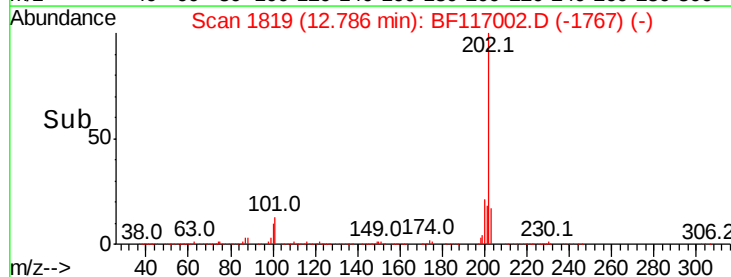
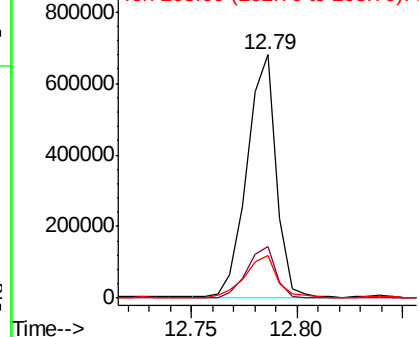


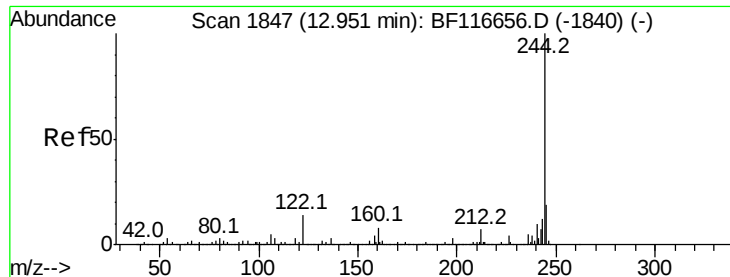
#78
Pyrene
Concen: 43.479 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion:202 Resp: 647179
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.5 14.2 21.2



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

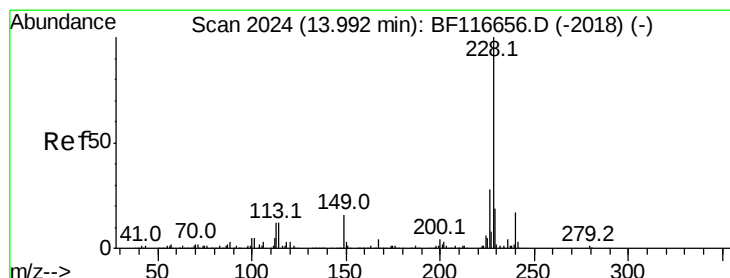
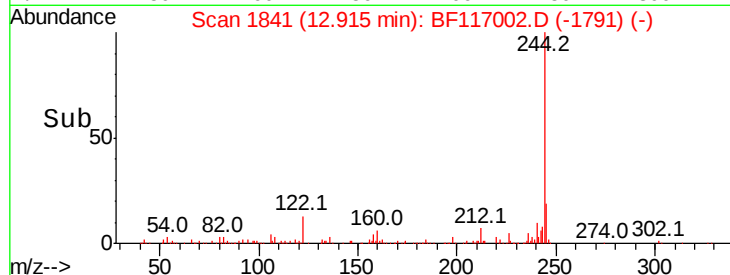
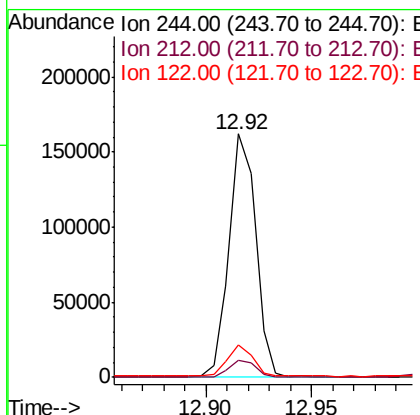
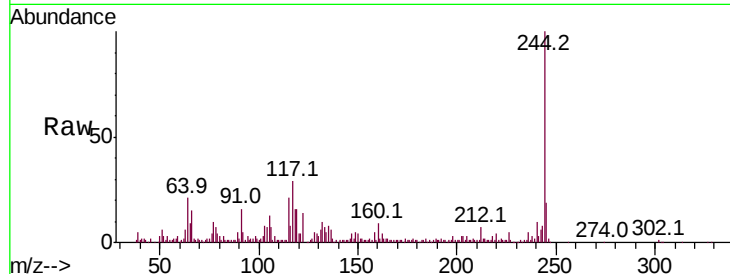




#79
 Terphenyl-d14
 Concen: 15.547 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

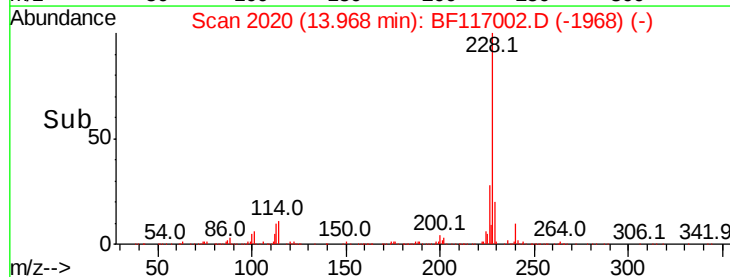
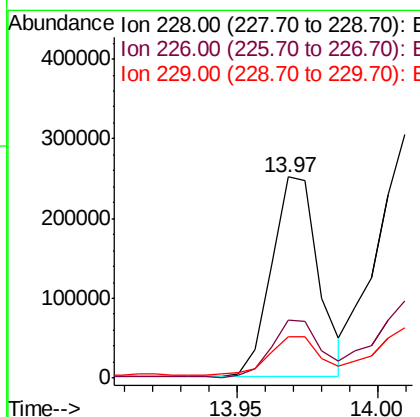
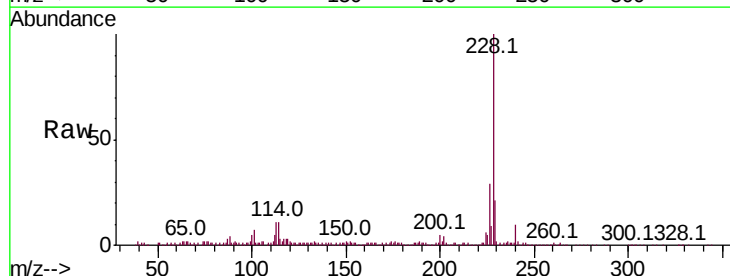
Instrument :
 BNA_F
 ClientSampleId :

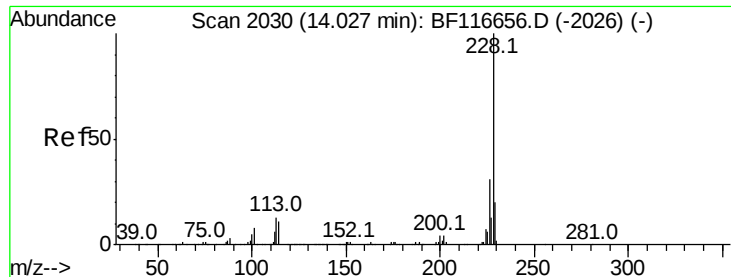
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	13.5	11.5	17.3



#81
 Benzo(a)anthracene
 Concen: 27.391 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.7	15.8	23.8





#83

Chrysene

Concen: 29.025 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

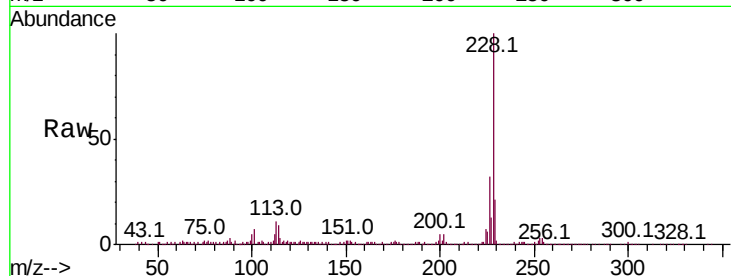
Tot Ion:228 Resp: 316904

Ion Ratio Lower Upper

228 100

226 31.9 24.5 36.7

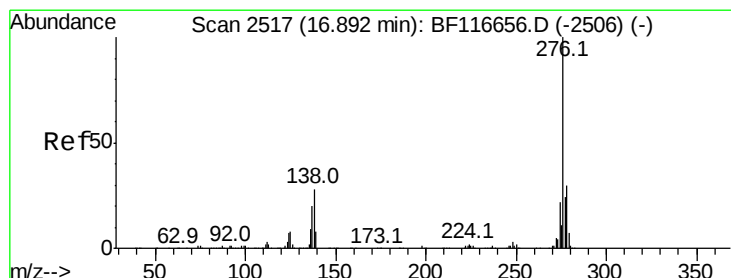
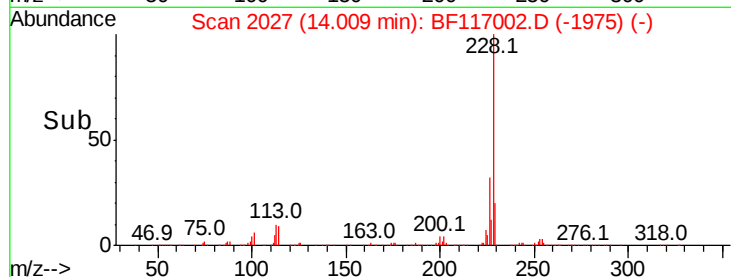
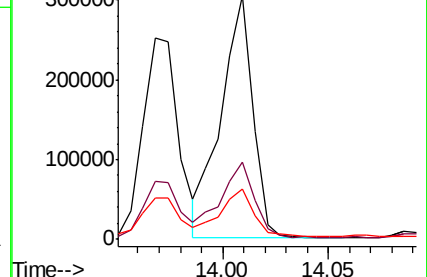
229 20.6 15.7 23.5



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: 9.700 ng

RT: 16.87 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

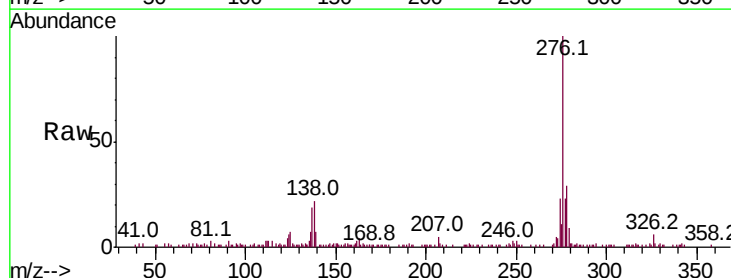
Tgt Ion:276 Resp: 85063

Ion Ratio Lower Upper

276 100

138 21.4 20.6 31.0

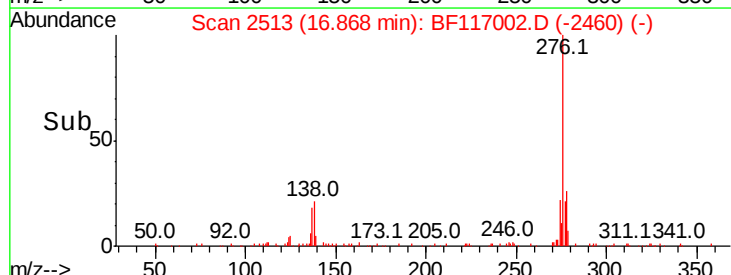
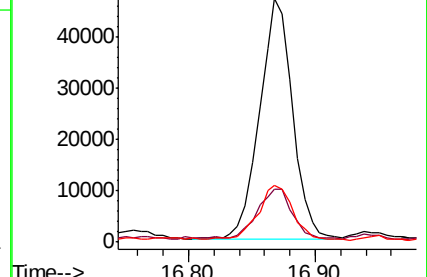
277 24.0 19.9 29.9

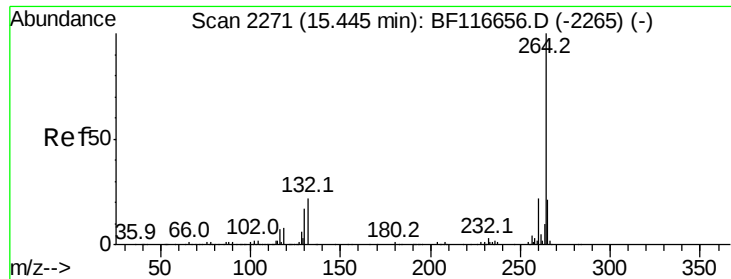


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

Instrument :

BNA_F

ClientSampleId :

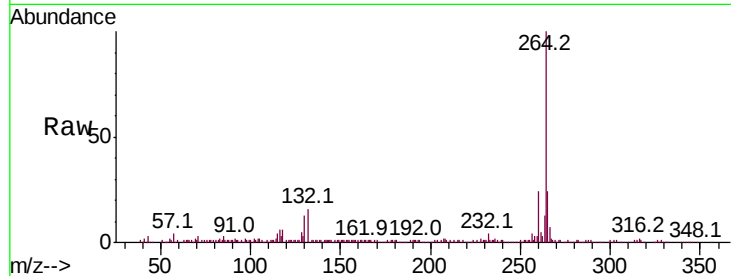
Tot Ion:264 Resp: 164503

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

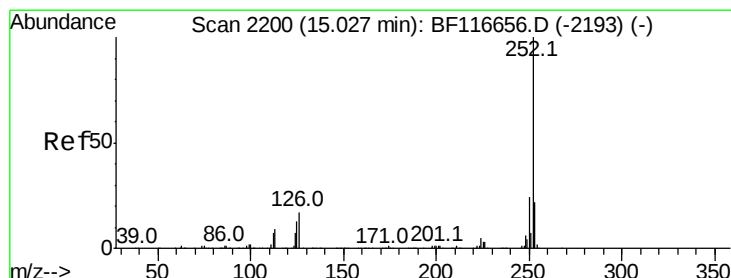
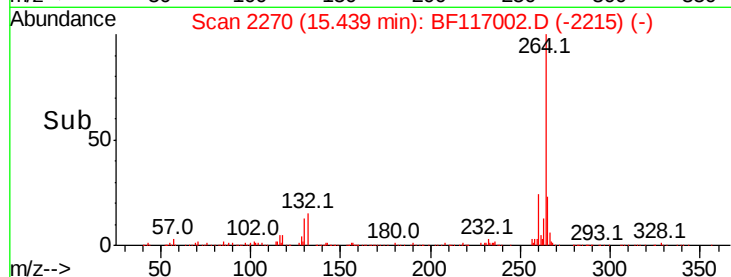
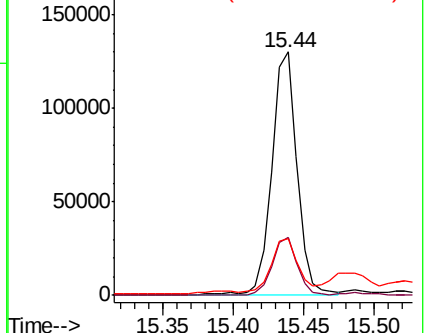
265 23.5 17.9 26.9



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: 34.863 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.02 min

Lab File: BF117002.D

Acq: 12 Sep 2019 19:50

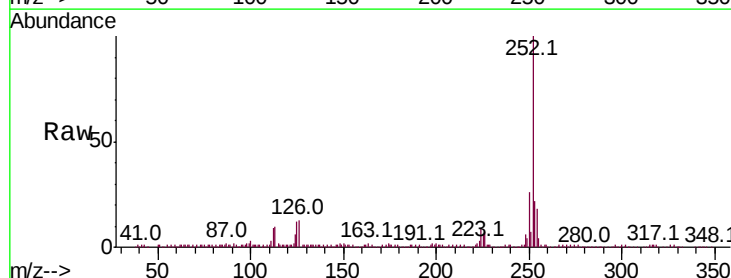
Tgt Ion:252 Resp: 346733

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

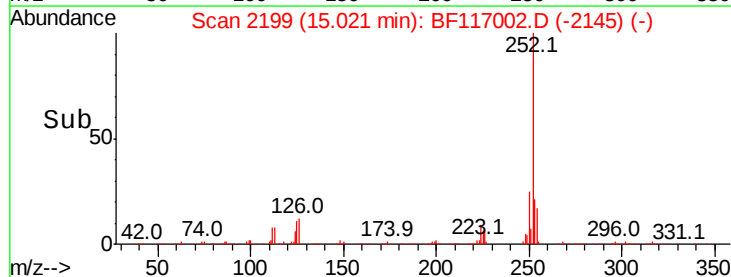
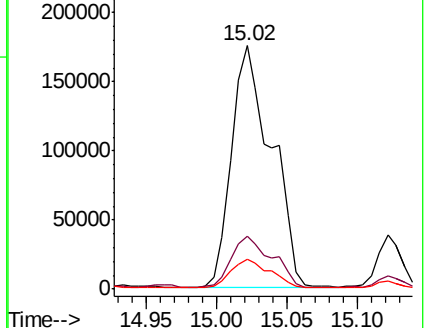
125 12.0 8.3 12.5

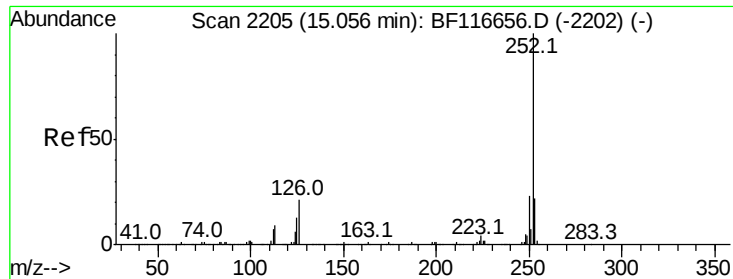


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

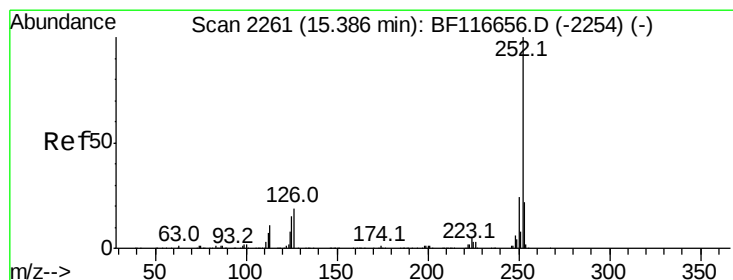
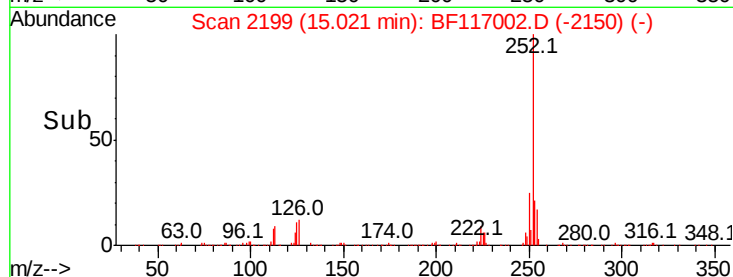
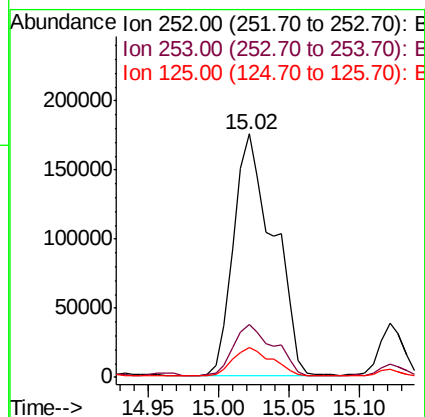
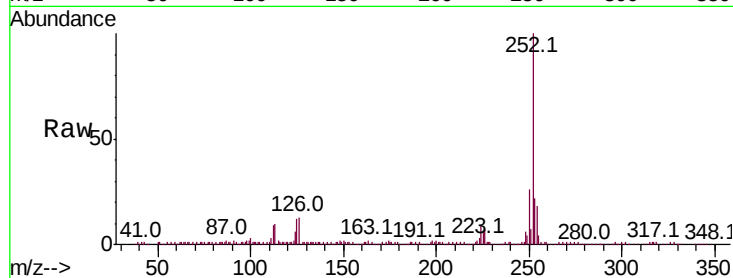




#89
Benzo(k)fluoranthene
Concen: 38.236 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

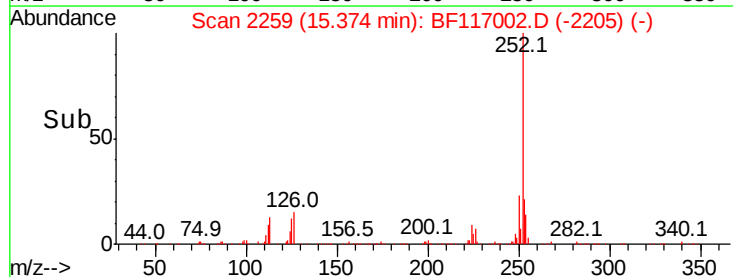
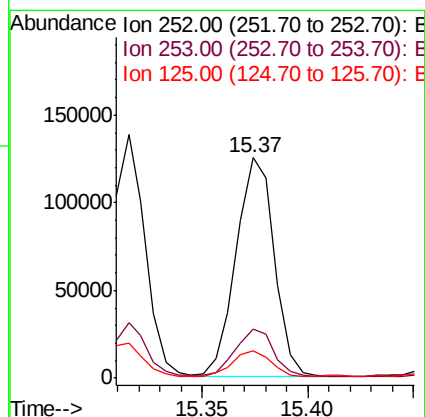
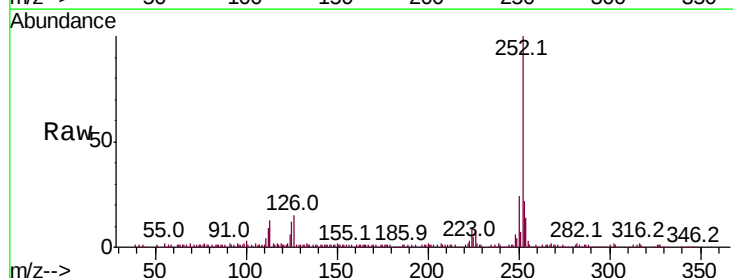
Instrument :
BNA_F
ClientSampleId :

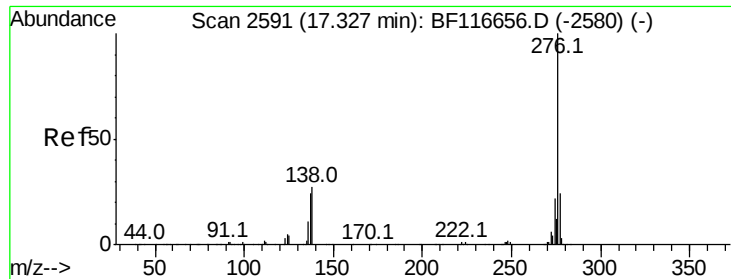
Tot Ion:252 Resp: 346733
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 12.0 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 17.977 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.02 min
Lab File: BF117002.D
Acq: 12 Sep 2019 19:50

Tgt Ion:252 Resp: 155549
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.2 10.2 15.2





#92
 Benzo(a,h,i)perylene
 Concen: 10.229 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: BF117002.D
 Acq: 12 Sep 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	18.9	18.7	28.1

