

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118325.D
 Acq On : 26 Dec 2019 19:19
 Operator : JU
 Sample : K6437-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:25:50 2019
 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	97517	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	379895	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	206597	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	361060	20.00	ng	0.00
76) Chrysene-d12	14.07	240	256159	20.00	ng	0.02
87) Perylene-d12	15.56	264	276929	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	502754	88.00	ng	0.00
7) Phenol-d6	6.48	99	649600	91.66	ng	0.00
23) Nitrobenzene-d5	7.41	82	374137	56.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	209122	81.97	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	748924	55.34	ng	0.00
79) Terphenyl-d14	12.99	244	835050	54.08	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.49	94	26531	3.331	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	48957	11.214	ng	# 79
25) Isophorone	7.41	82	369848	31.950	ng	# 62
31) Naphthalene	8.16	128	559819	28.993	ng	100
32) Benzoic acid	7.97	122	274	5.736	ng	97
33) 4-Chloroaniline	8.16	127	73684	8.902	ng	# 34
37) 2-Methylnaphthalene	8.85	142	202487	15.317	ng	99
38) 1-Methylnaphthalene	8.95	142	190664	15.308	ng	99
46) 1,1'-Biphenyl	9.32	154	83587	5.115	ng	97
49) Acenaphthylene	9.76	152	906295	46.465	ng	99
50) Dimethylphthalate	9.61	163	43856	2.828	ng	100
52) Acenaphthene	9.93	154	315256	26.535	ng	99
53) 3-Nitroaniline	10.10	138	20323	5.179	ng	# 17
54) 2,4-Dinitrophenol	9.75	184	267	5.332	ng	# 1
55) Dibenzofuran	10.10	168	1162131	66.200	ng	96
56) 4-Nitrophenol	10.10	139	470543	194.236	ng	# 8
58) Fluorene	10.46	166	1532894	108.169	ng	98
62) 4-Nitroaniline	10.45	138	19587	4.805	ng	# 22
67) 4-Bromophenyl-phenvlether	10.69	248	12591	2.980	ng	# 1
71) Phenanthrene	11.49	178	2085265	105.942	ng	99
72) Anthracene	11.49	178	2085265	105.842	ng	99
73) Carbazole	11.63	167	1507779	86.248	ng	100
75) Fluoranthene	12.65	202	9450907	475.766	ng	88
78) Pyrene	12.88	202	7761331	371.033	ng	# 91
81) Benzo(a)anthracene	14.06	228	4364370	243.407	ng	94
83) Chrysene	14.06	228	4364370	254.205	ng	97
86) Indeno(1,2,3-cd)pyrene	17.09	276	1628327	111.310	ng	96
88) Benzo(b)fluoranthene	15.14	252	6347617	345.307	ng	# 95
89) Benzo(k)fluoranthene	15.14	252	6347617	359.629	ng	# 96
90) Benzo(a)pyrene	15.52	252	3064201	189.224	ng	96
91) Dibenzo(a,h)anthracene	17.24	278	321022	22.844	ng	94
92) Benzo(a,h,i)perylene	17.54	276	1366771	100.686	ng	99

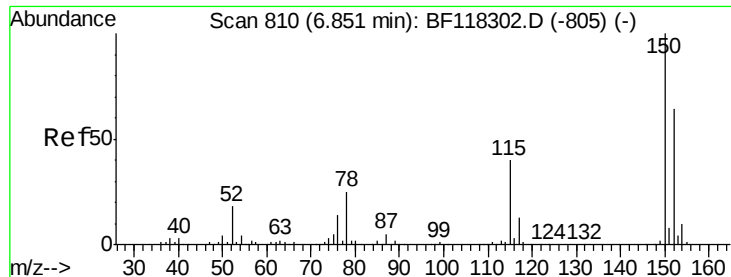
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118325.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

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

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

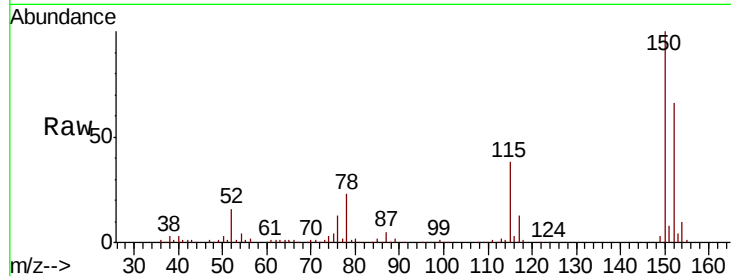


#1

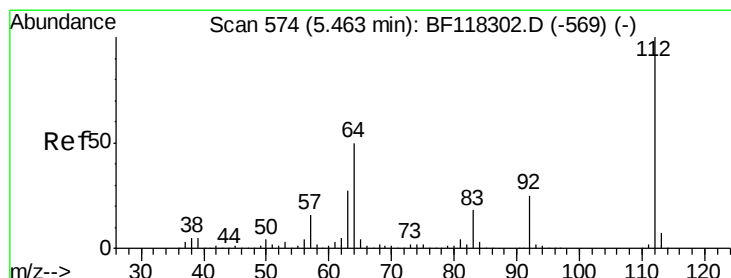
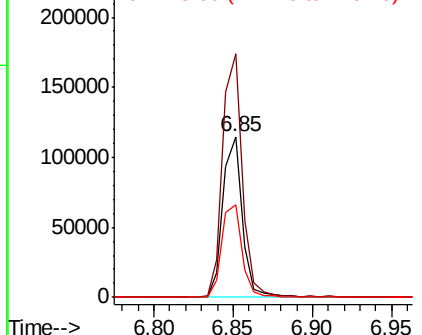
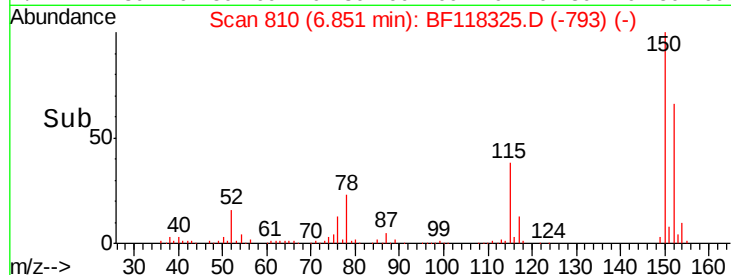
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97517
Ion Ratio Lower Upper
152 100
150 151.3 125.4 188.2
115 57.6 50.2 75.4



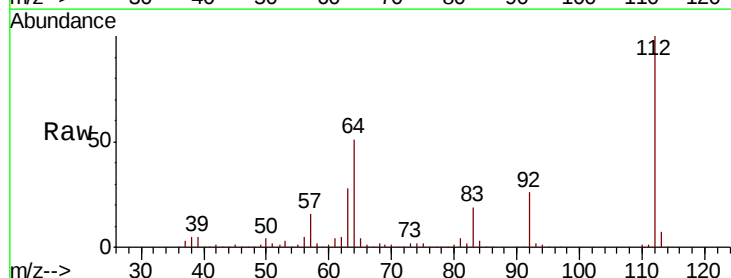
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



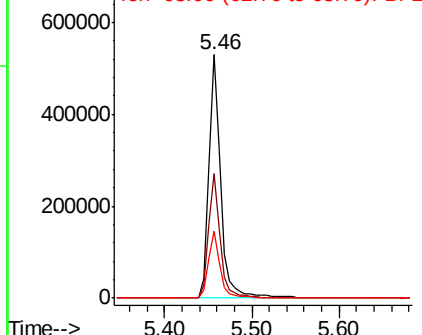
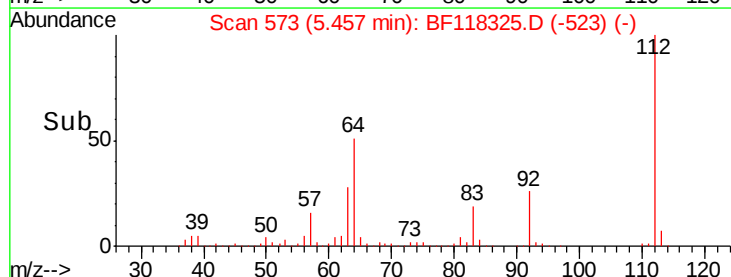
#5

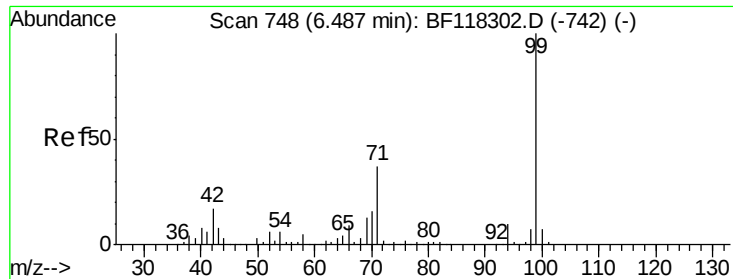
2-Fluorophenol
Concen: 88.005 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:112 Resp: 502754
Ion Ratio Lower Upper
112 100
64 51.1 39.7 59.5
63 27.7 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: 91.662 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

Instrument :

BNA_F

ClientSampled :

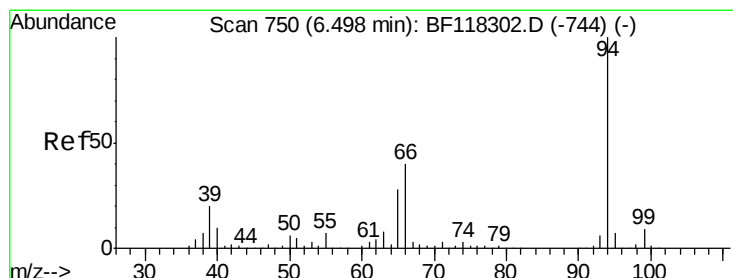
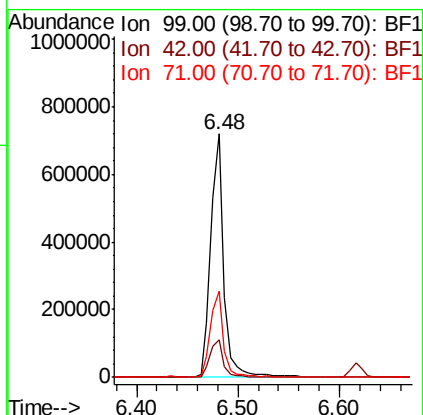
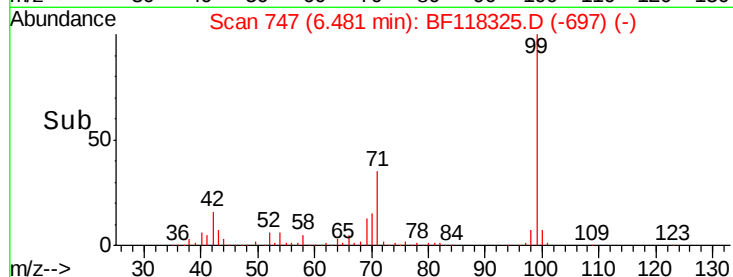
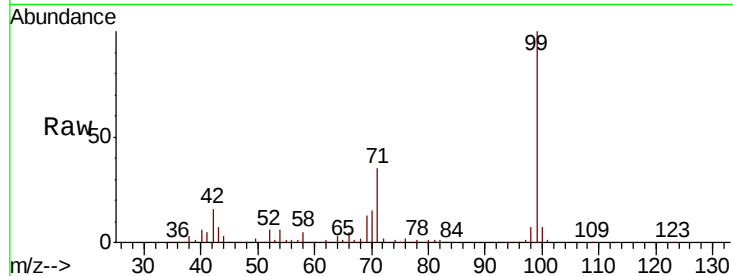
Tot Ion: 99 Resp: 649600

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

71 35.3 29.4 44.2



#10

Phenol

Concen: 3.331 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

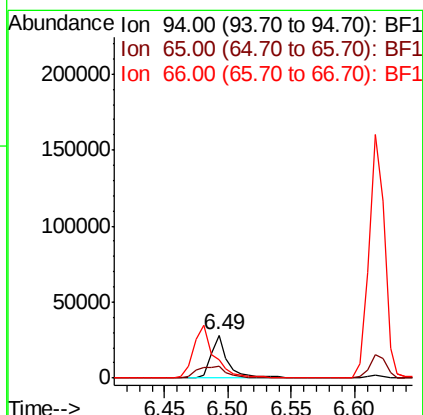
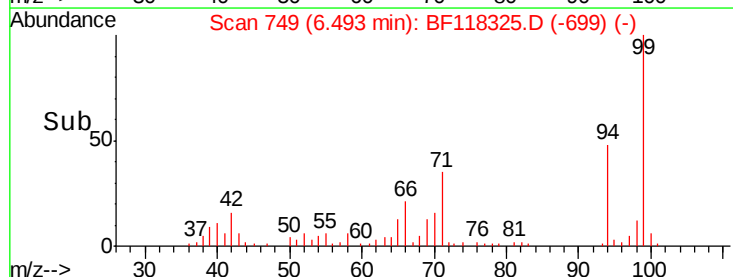
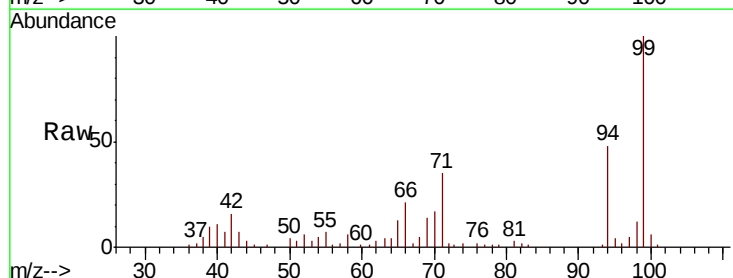
Tgt Ion: 94 Resp: 26531

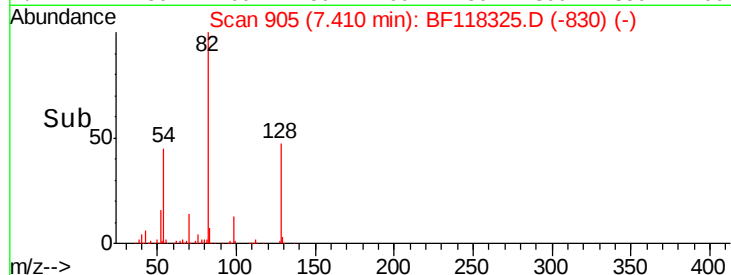
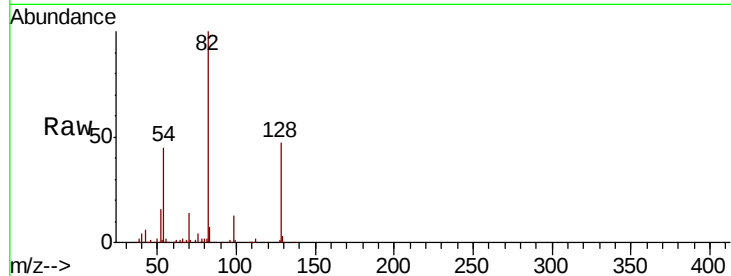
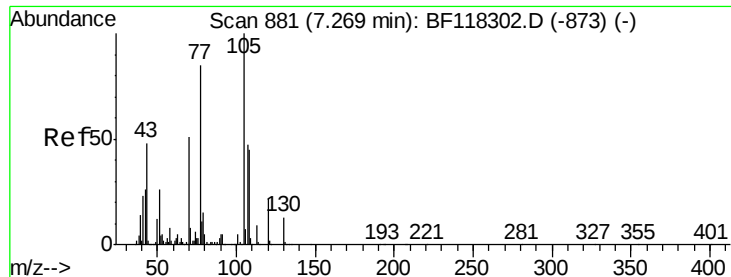
Ion Ratio Lower Upper

94 100

65 27.2 7.8 47.8

66 42.6 20.4 60.4

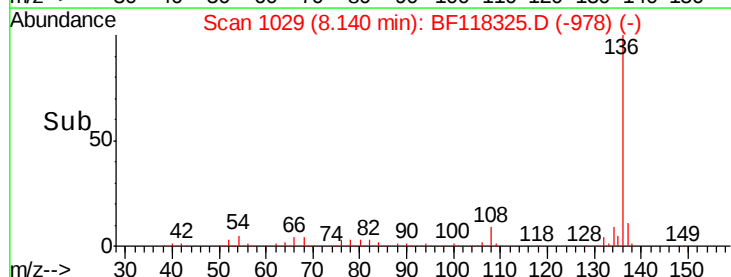
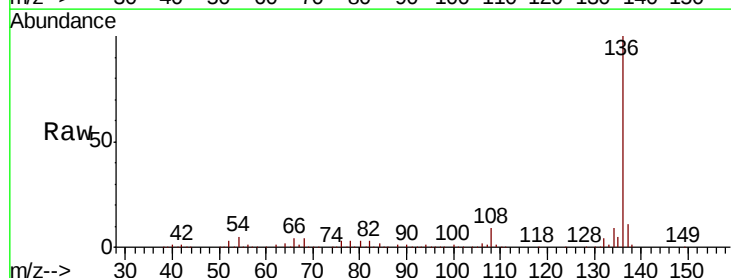
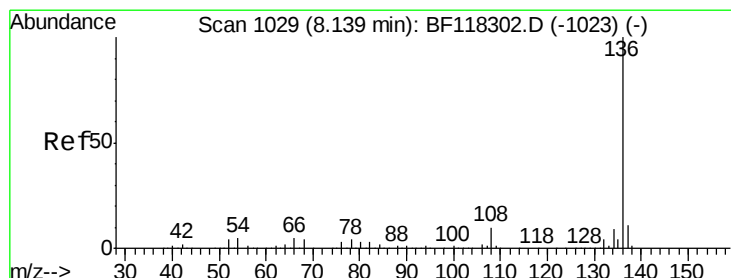
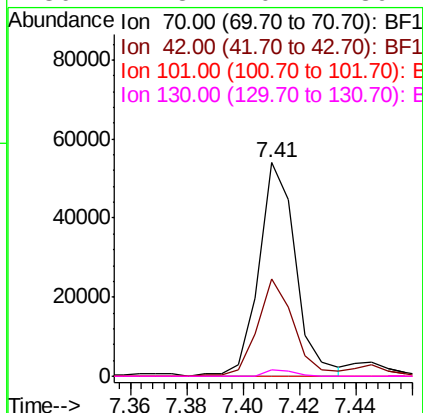




#19
n-Nitroso-di-n-propylamine
Concen: 11.214 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

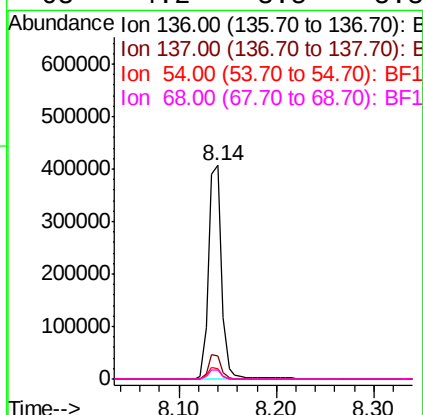
Instrument :
BNA_F
ClientSampleId :

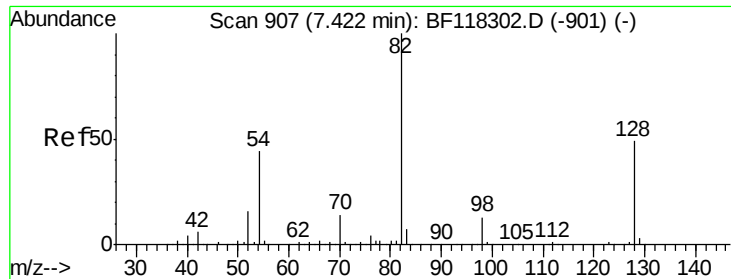
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.6	41.1	61.7
101	0.0	8.3	12.5
130	2.8	20.1	30.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	4.5	4.2	6.4
68	4.2	3.5	5.3

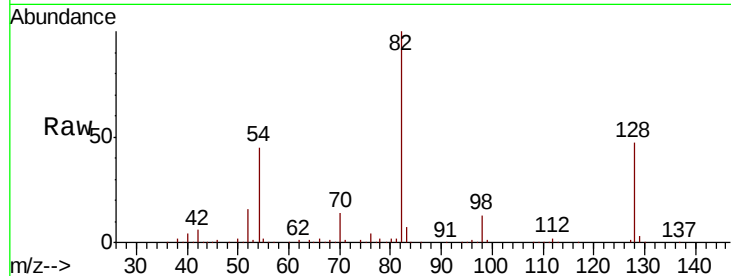




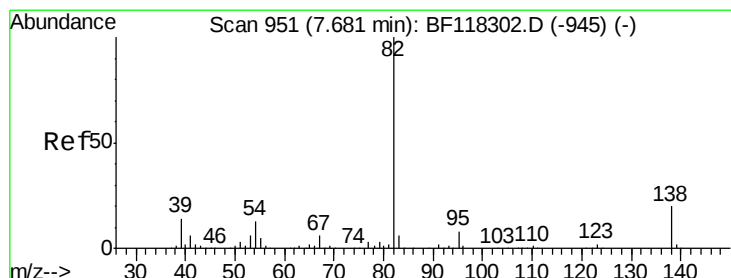
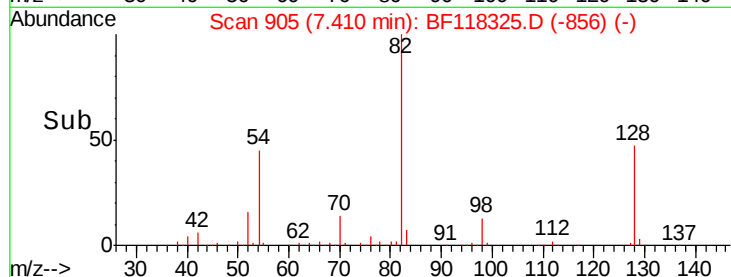
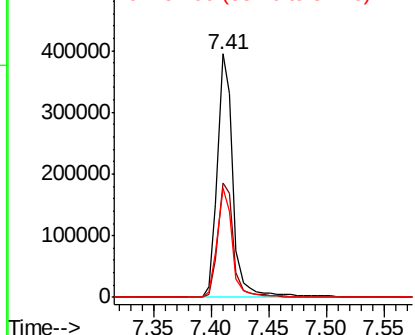
#23
Nitrobenzene-d5
Concen: 56.328 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	374137
Ion Ratio	Lower	Upper	
82	100		
128	47.2	39.6	59.4
54	44.7	34.9	52.3

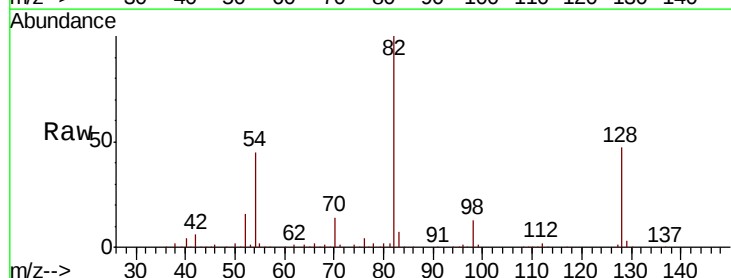


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

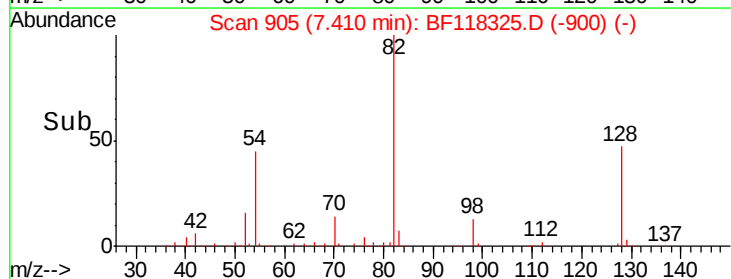
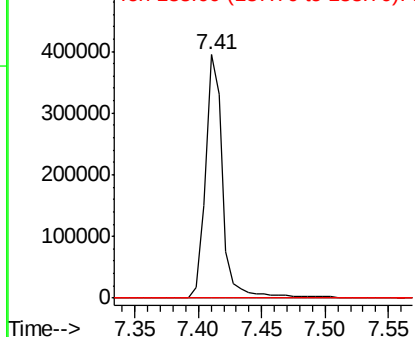


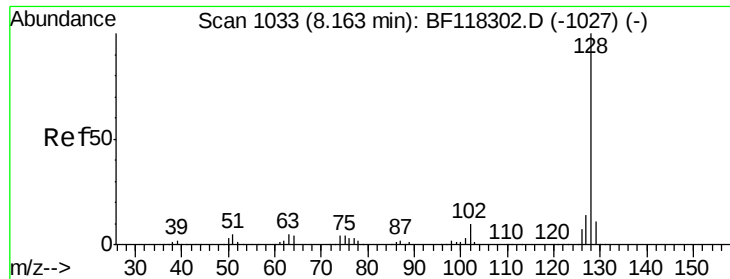
#25
Isophorone
Concen: 31.950 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion	82	Resp	369848
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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

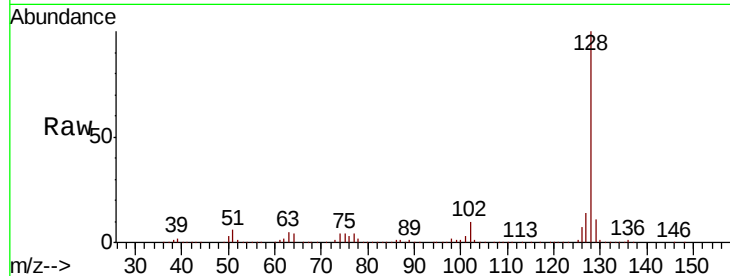




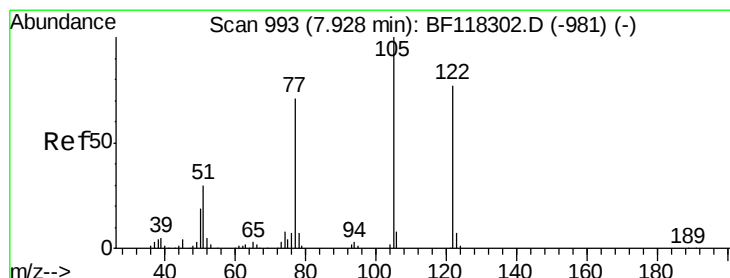
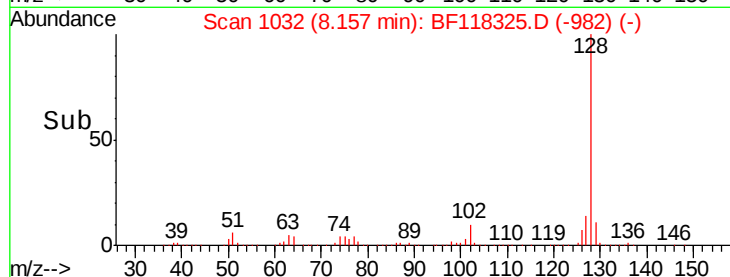
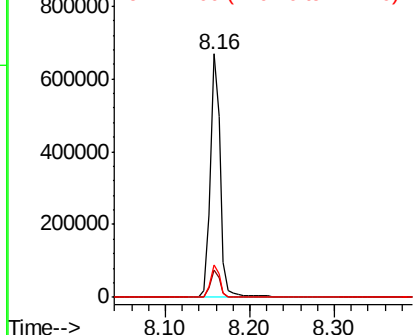
#31
Naphthalene
Concen: 28.993 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 559819
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.5 11.0 16.4

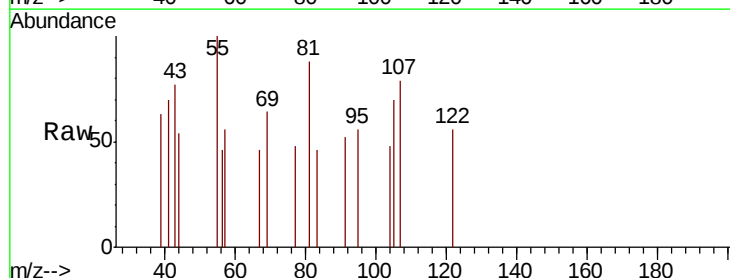


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

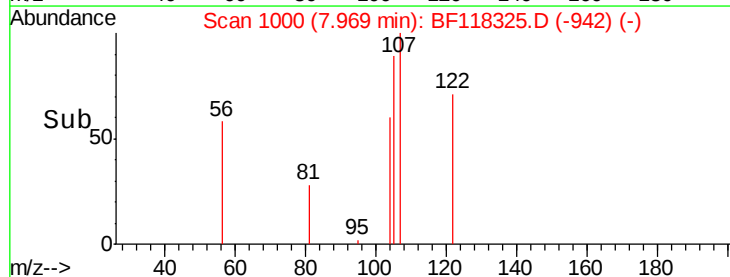
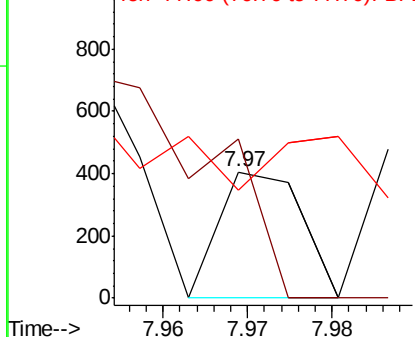


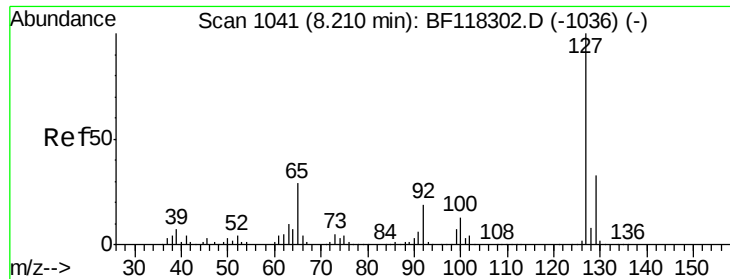
#32
Benzoic acid
Concen: 5.736 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.04 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:122 Resp: 274
Ion Ratio Lower Upper
122 100
105 126.2 106.8 146.8
77 85.4 70.4 110.4



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

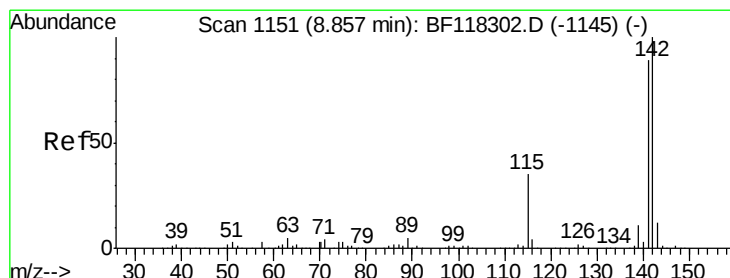
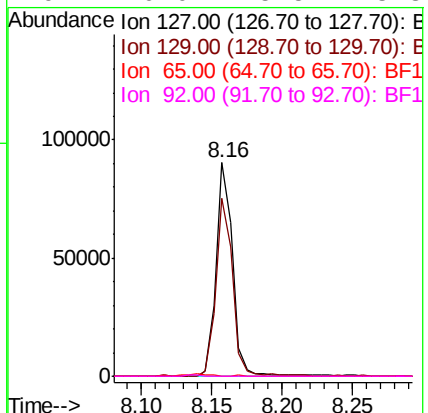
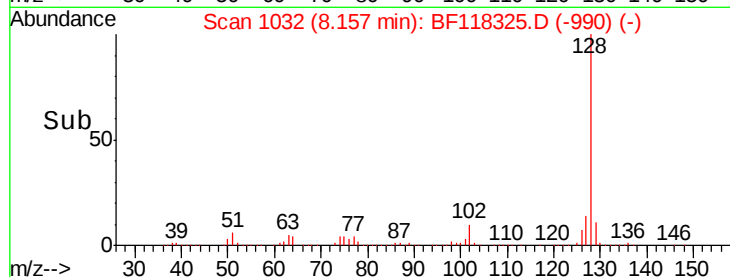
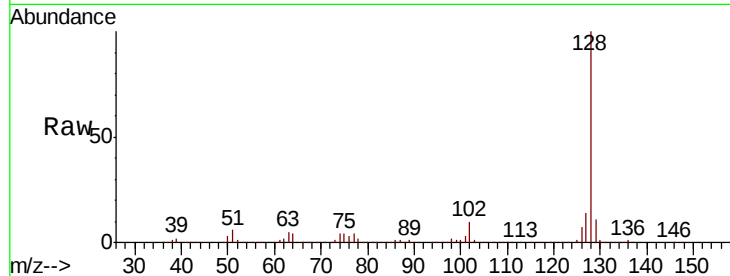




#33
4-Chloroaniline
Concen: 8.902 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

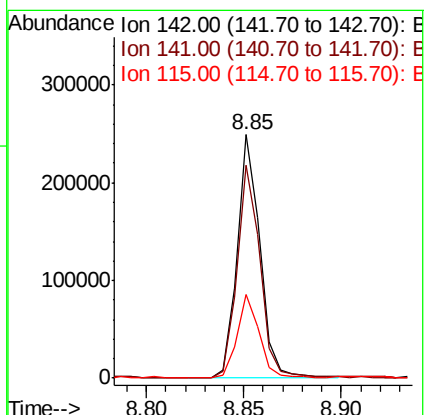
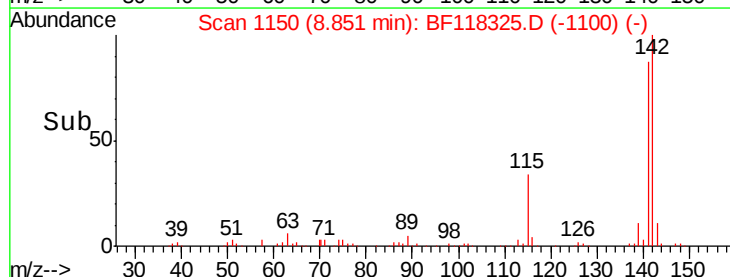
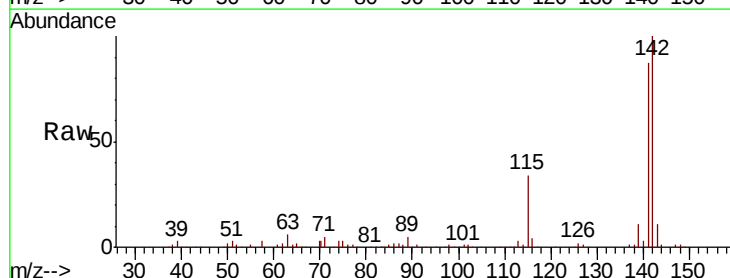
Instrument :
BNA_F
ClientSampleId :

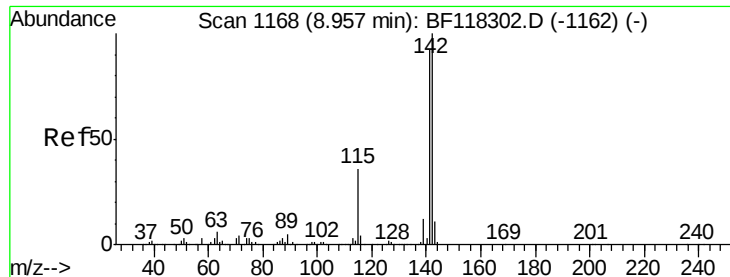
Tot Ion:127 Resp: 73684
Ion Ratio Lower Upper
127 100
129 83.5 26.5 39.7#
65 0.0 22.8 34.2#
92 0.0 15.5 23.3#



#37
2-Methylnaphthalene
Concen: 15.317 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:142 Resp: 202487
Ion Ratio Lower Upper
142 100
141 87.5 71.2 106.8
115 34.4 28.0 42.0

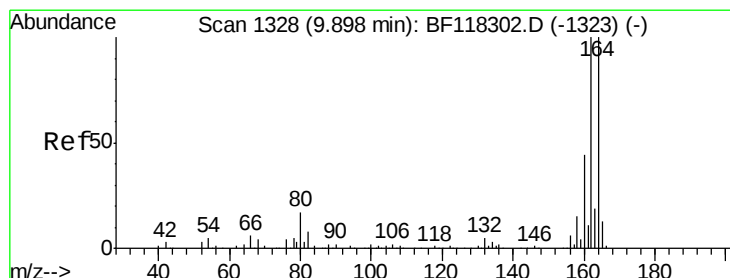
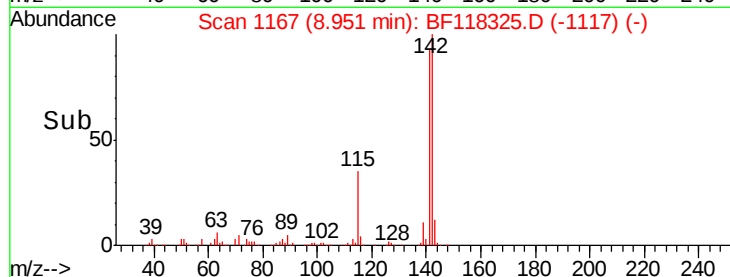
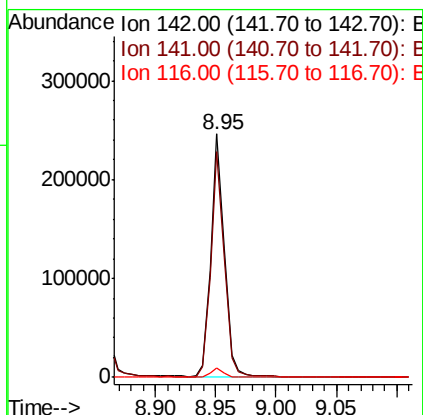
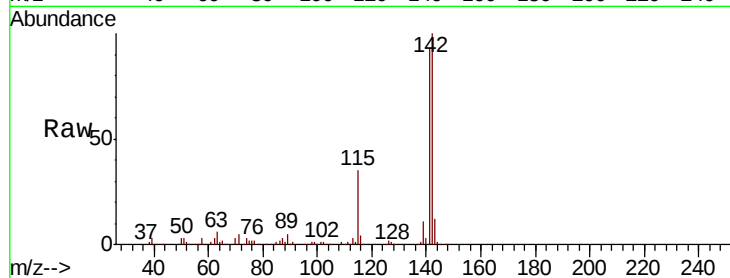




#38
1-Methylnaphthalene
Concen: 15.308 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

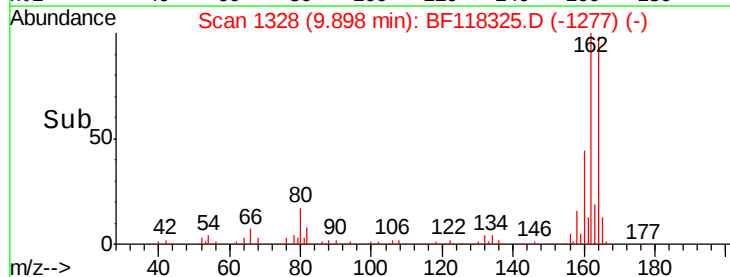
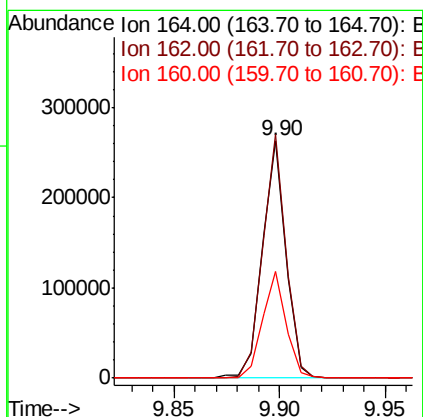
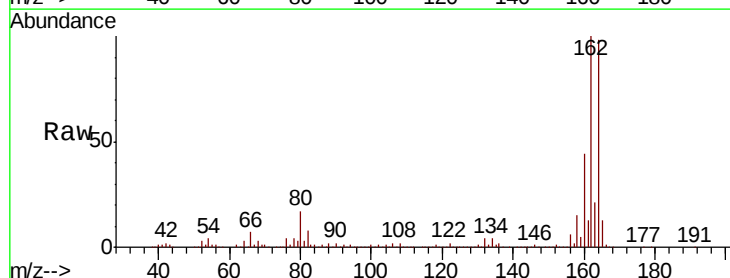
Instrument :
BNA_F
ClientSampleId :

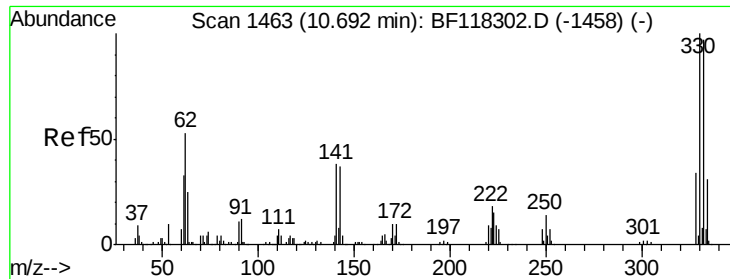
Tot Ion:142 Resp: 190664
Ion Ratio Lower Upper
142 100
141 92.9 73.4 110.2
116 3.9 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:164 Resp: 206597
Ion Ratio Lower Upper
164 100
162 102.6 80.0 120.0
160 45.2 34.8 52.2

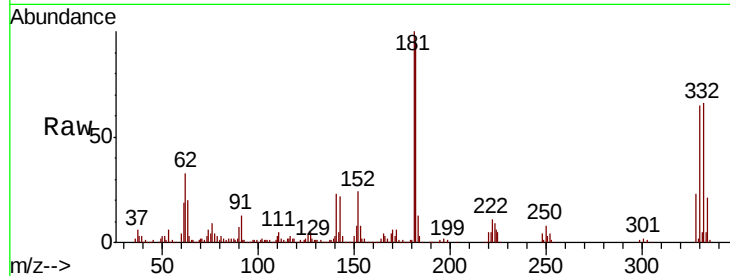




#42
 2,4,6-Tribromophenol
 Concen: 81.966 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.6	114.8
141	36.0	26.0	39.0

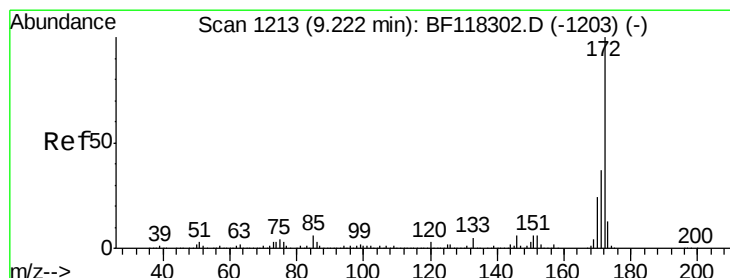
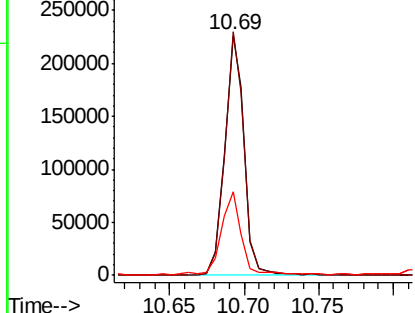
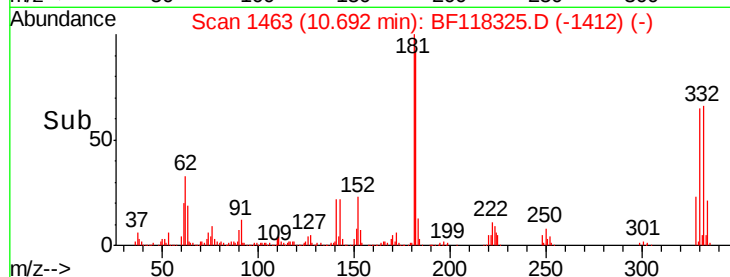


Abundance

Ion 329.80 (329.50 to 330.50): E

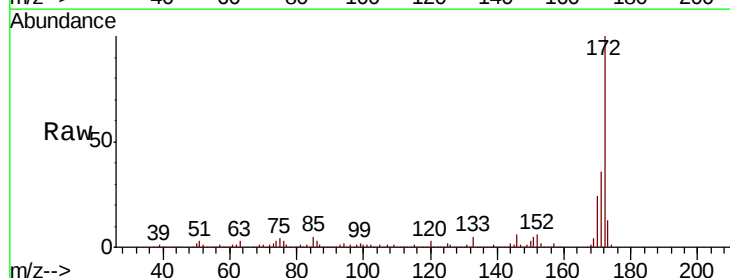
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 55.335 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.6	19.2	28.8

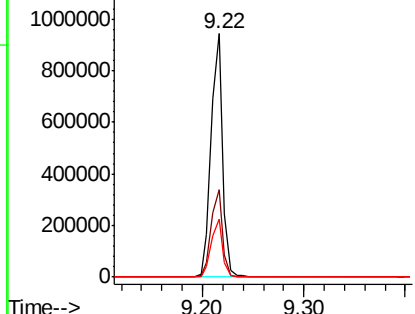
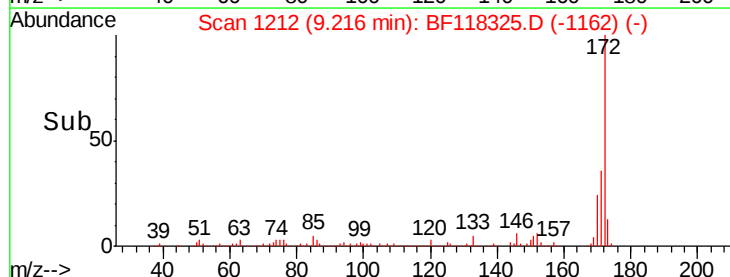


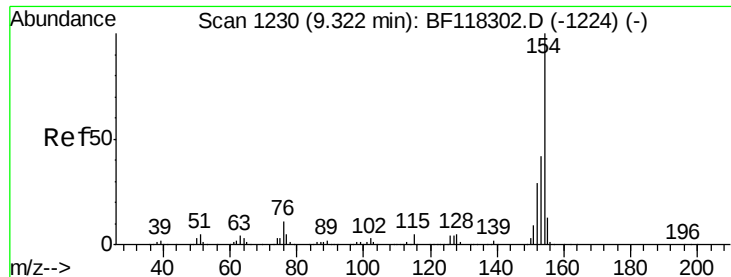
Abundance

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

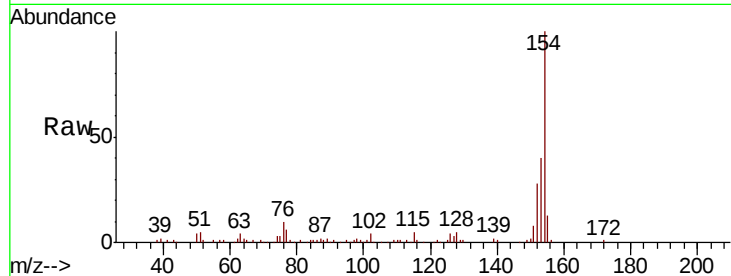




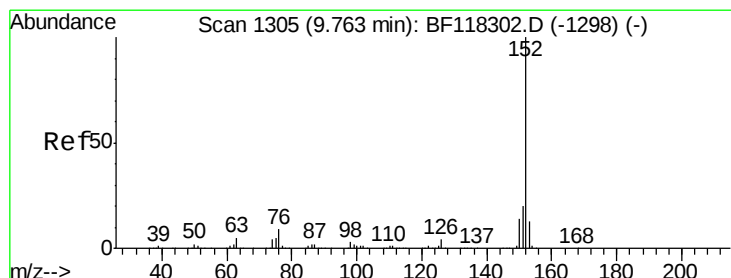
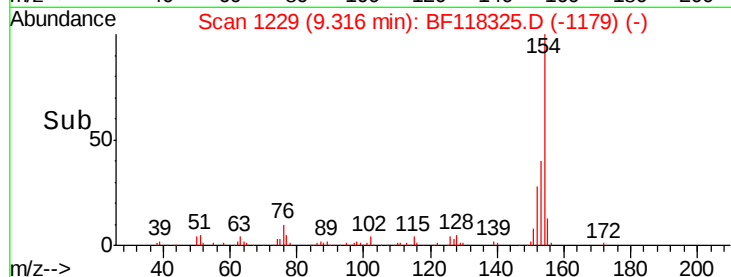
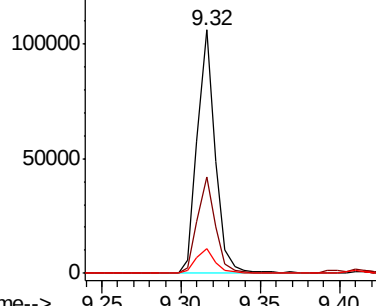
#46
 1,1'-Biphenyl
 Concen: 5.115 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.8	61.8
76	9.9	0.0	30.9

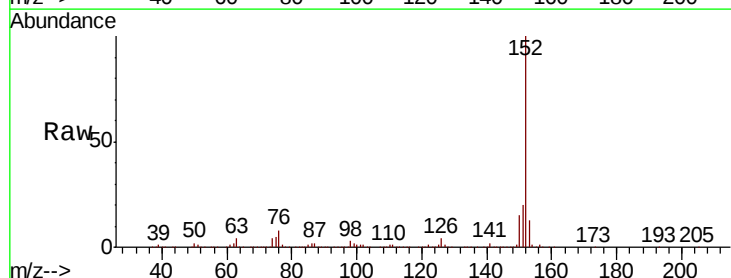


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

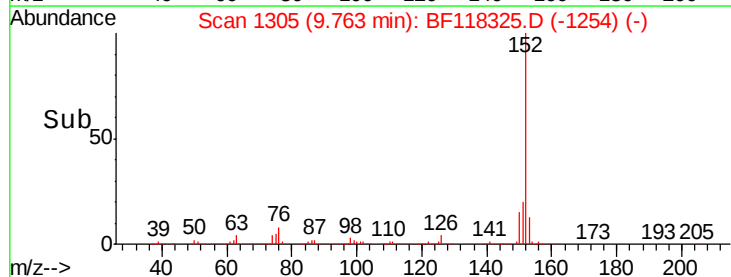
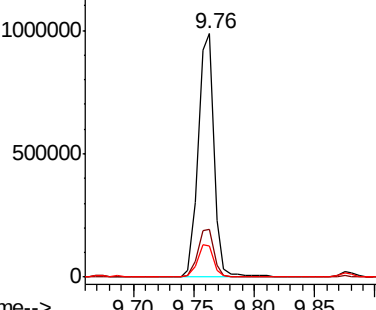


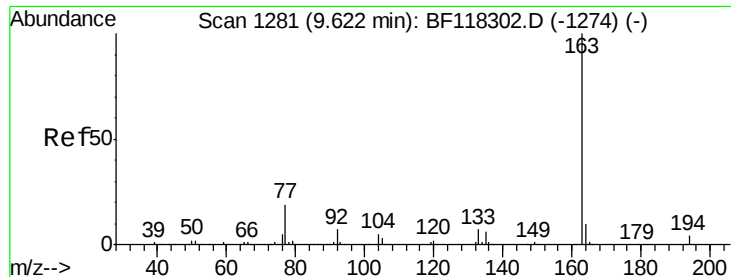
#49
 Acenaphthylene
 Concen: 46.465 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	12.8	10.5	15.7



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

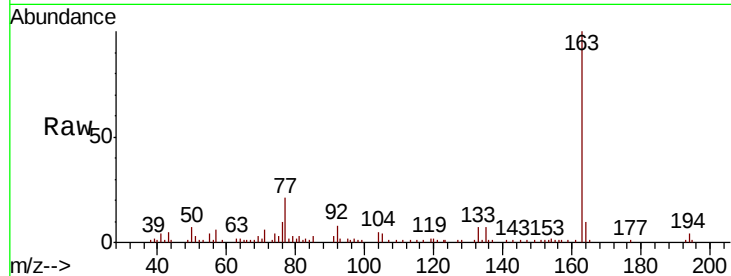




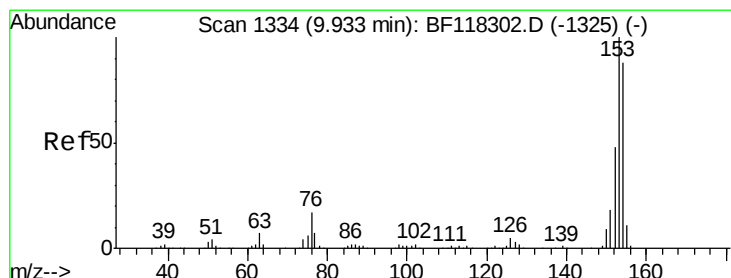
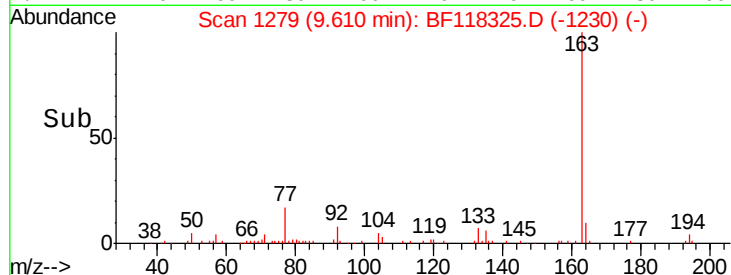
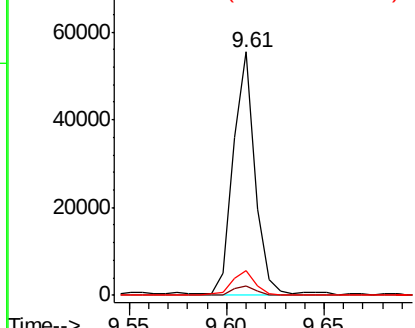
#50
Dimethylphthalate
Concen: 2.828 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 43856
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.0 7.9 11.9

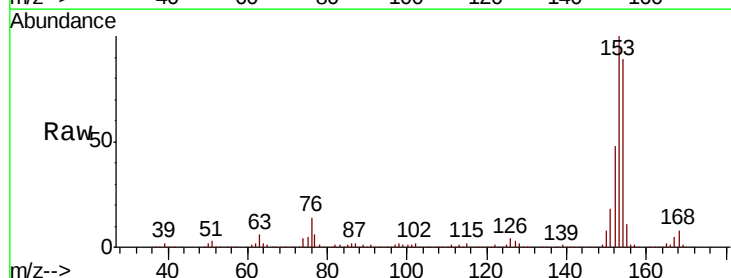


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

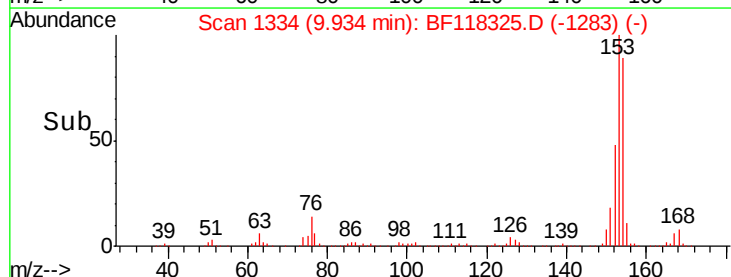
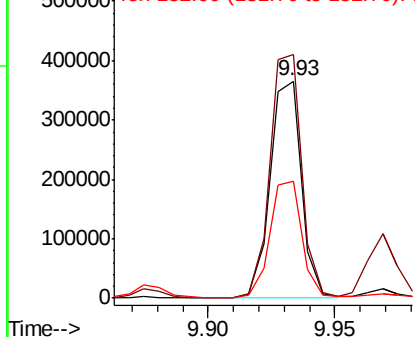


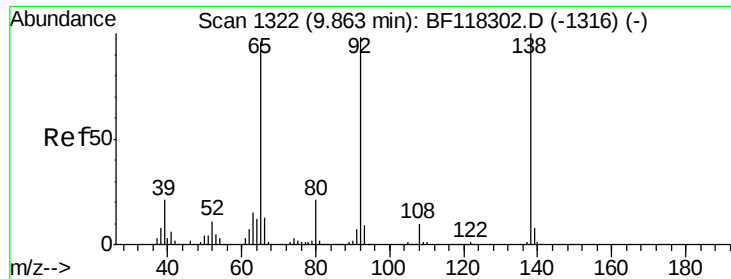
#52
Acenaphthene
Concen: 26.535 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:154 Resp: 315256
Ion Ratio Lower Upper
154 100
153 112.3 90.6 136.0
152 54.0 43.1 64.7



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

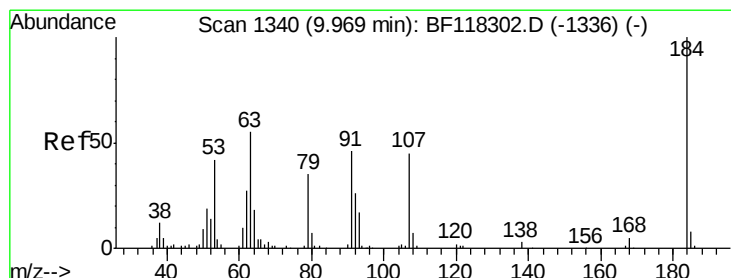
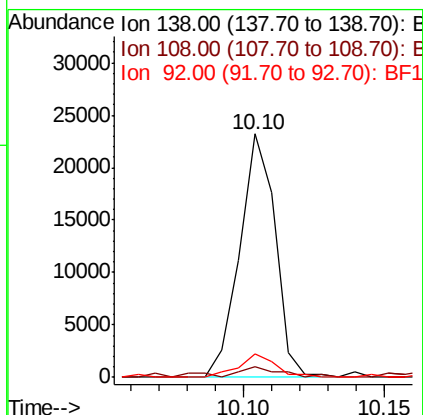
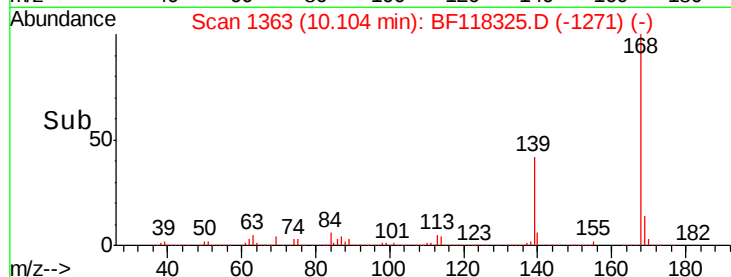
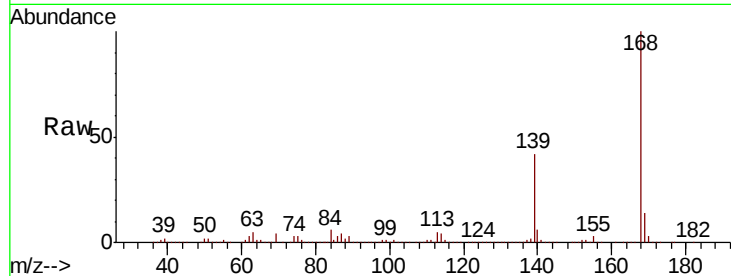




#53
3-Nitroaniline
Concen: 5.179 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.24 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

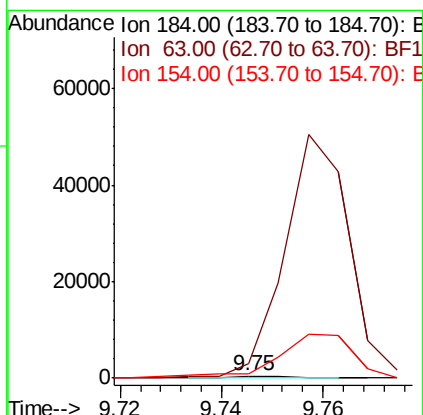
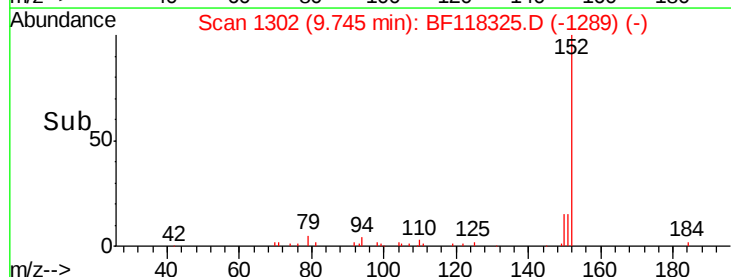
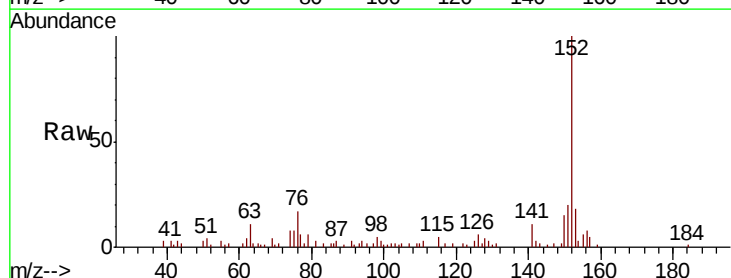
Instrument :
BNA_F
ClientSampleId :

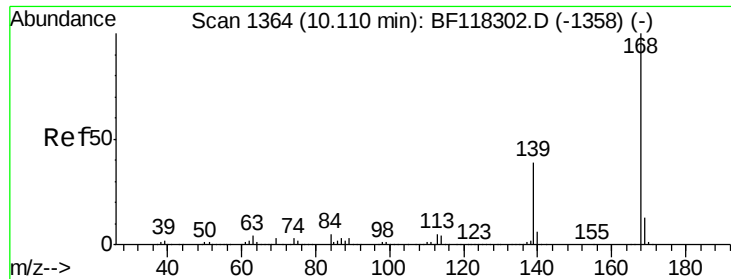
Tot Ion:138 Resp: 20323
Ion Ratio Lower Upper
138 100
108 4.1 7.8 11.8#
92 9.6 78.2 117.2#



#54
2,4-Dinitrophenol
Concen: 5.332 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.22 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:184 Resp: 267
Ion Ratio Lower Upper
184 100
63 716.9 48.8 73.2#
154 226.4 55.0 82.4#

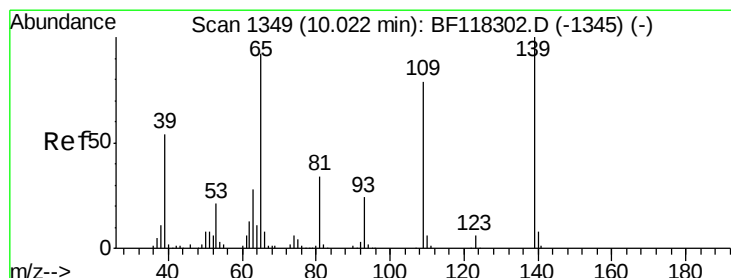
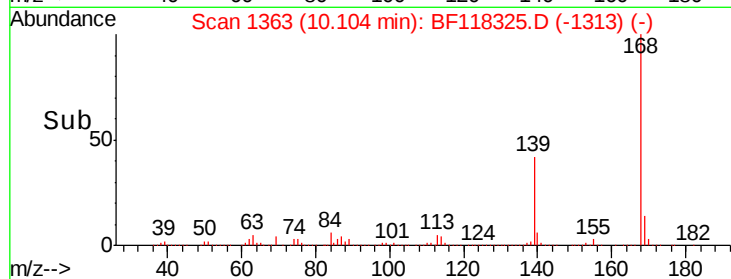
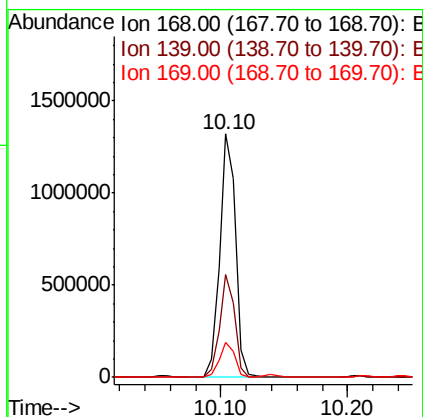
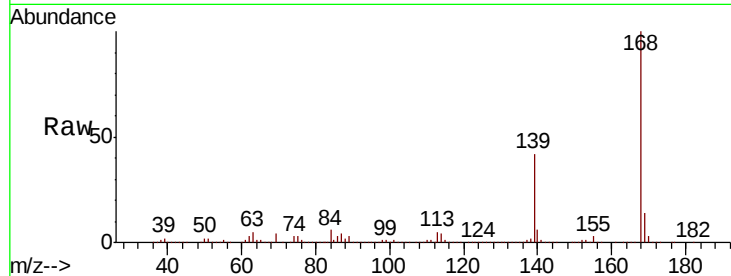




#55
Dibenzofuran
Concen: 66.200 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

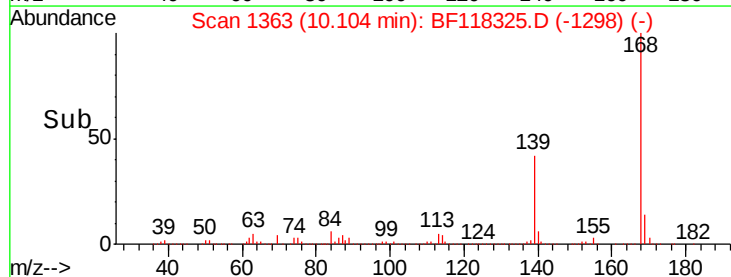
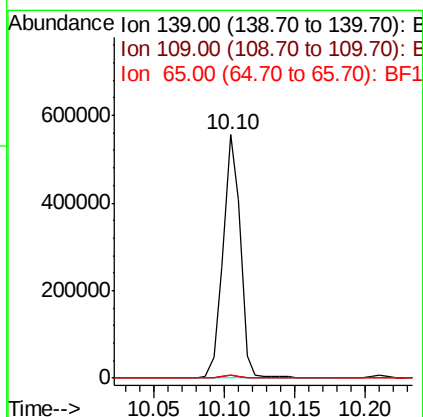
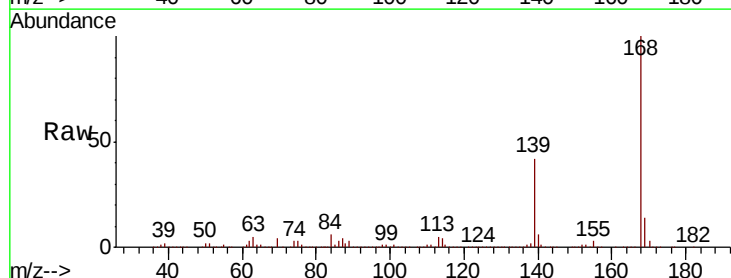
Instrument :
BNA_F
ClientSampleId :

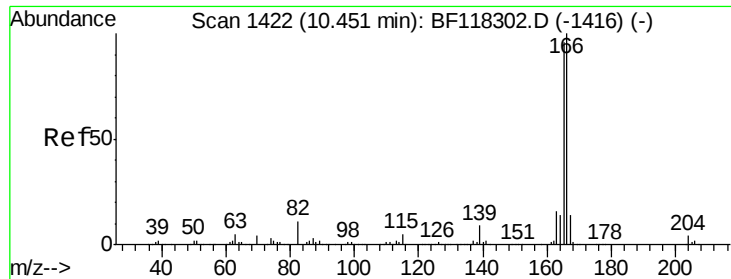
Tot Ion:168 Resp: 1162131
Ion Ratio Lower Upper
168 100
139 42.1 31.5 47.3
169 14.3 10.4 15.6



#56
4-Nitrophenol
Concen: 194.236 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:139 Resp: 470543
Ion Ratio Lower Upper
139 100
109 1.0 59.3 99.3#
65 1.3 72.4 112.4#





#58

Fluorene

Concen: 108.169 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

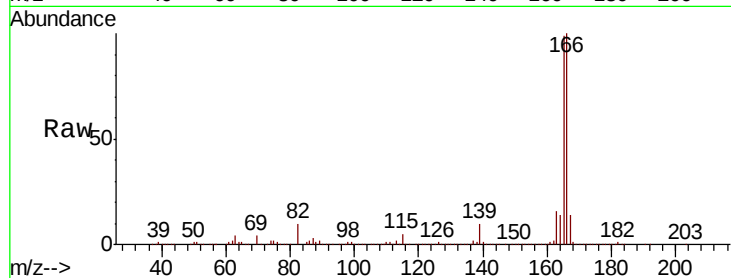
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 1532894

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.0	115.4
167	14.0	10.9	16.3

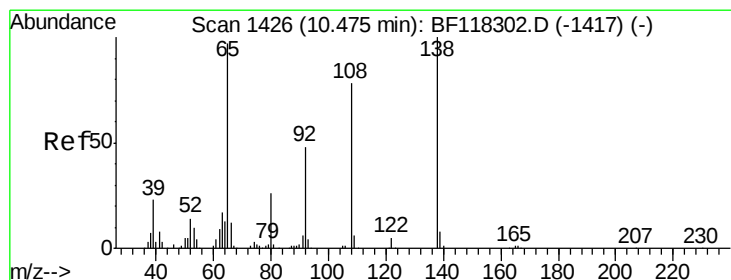
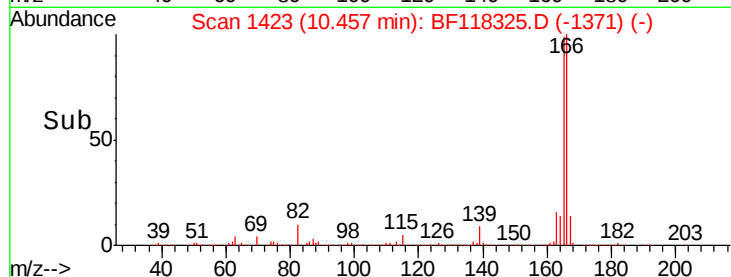
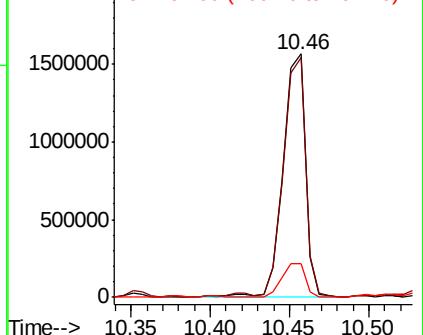


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

4-Nitroaniline

Concen: 4.805 ng

RT: 10.45 min Scan# 1422

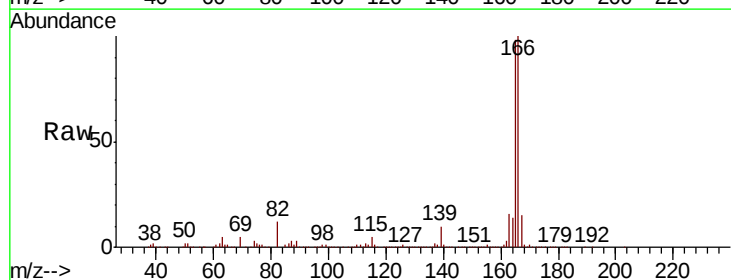
Delta R.T. -0.02 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

Tgt Ion:138 Resp: 19587

Ion	Ratio	Lower	Upper
138	100		
92	2.4	27.9	67.9#
108	4.6	58.1	98.1#

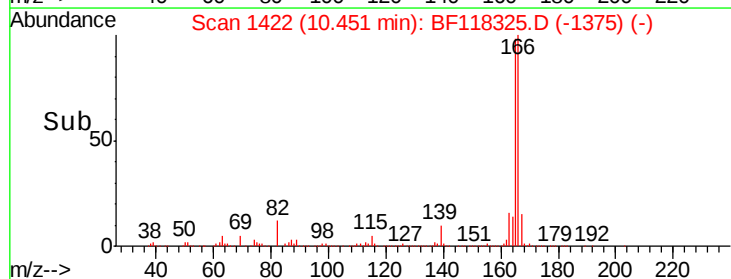
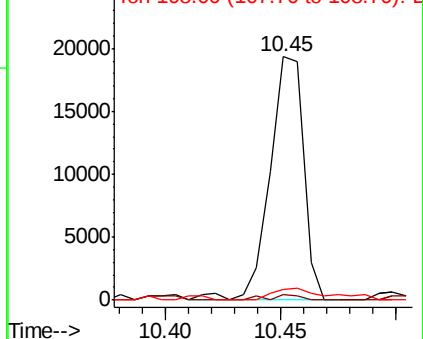


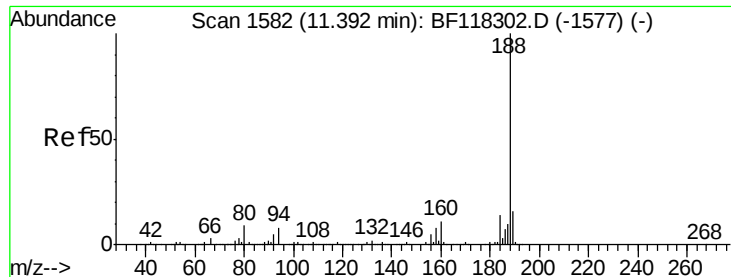
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

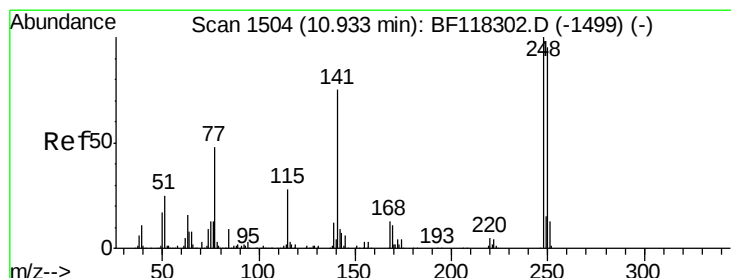
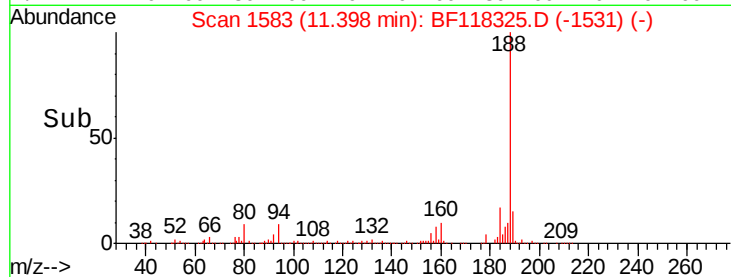
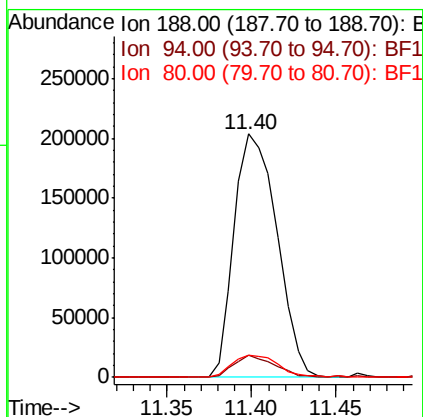
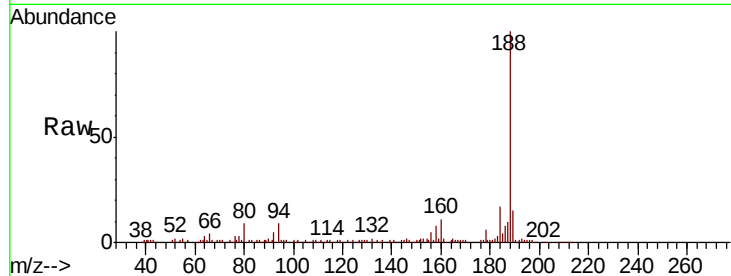




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

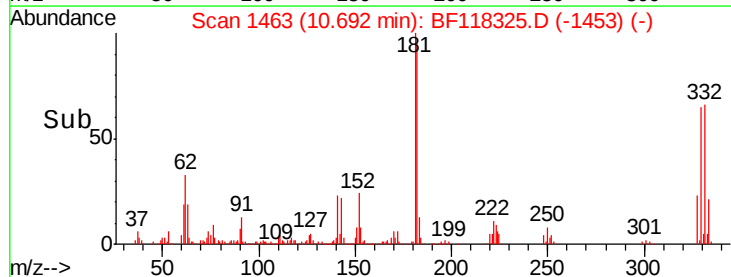
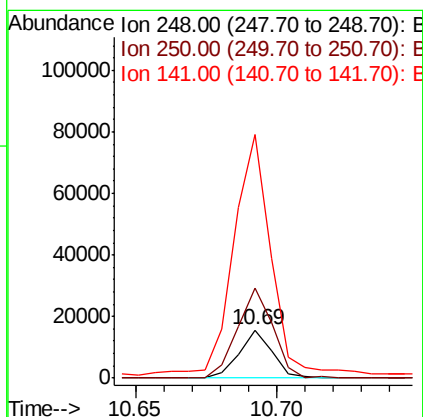
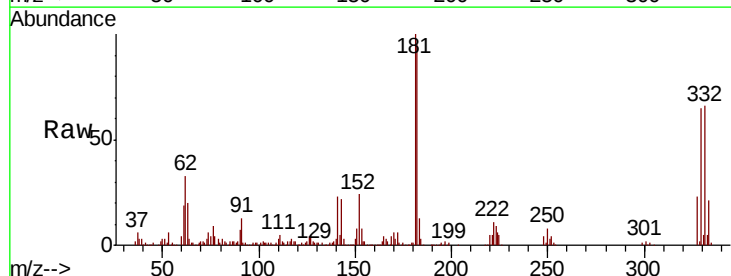
Instrument :
BNA_F
ClientSampled :

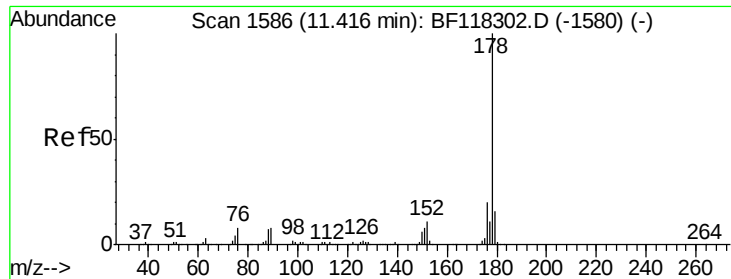
Tot Ion:188 Resp: 361060
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 9.0 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.980 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:248 Resp: 12591
Ion Ratio Lower Upper
248 100
250 186.2 76.4 114.6#
141 507.0 60.2 90.2#

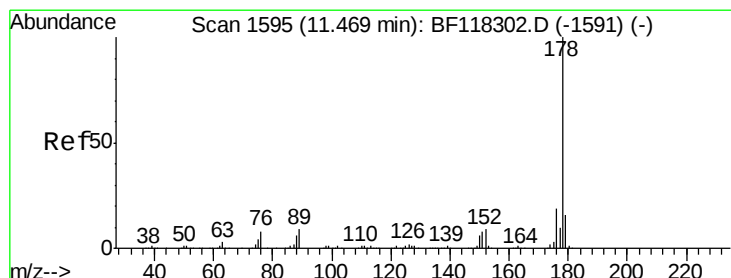
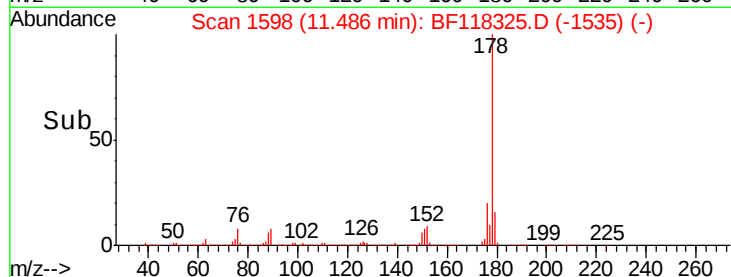
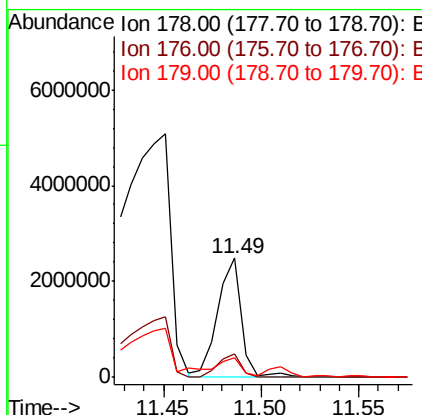
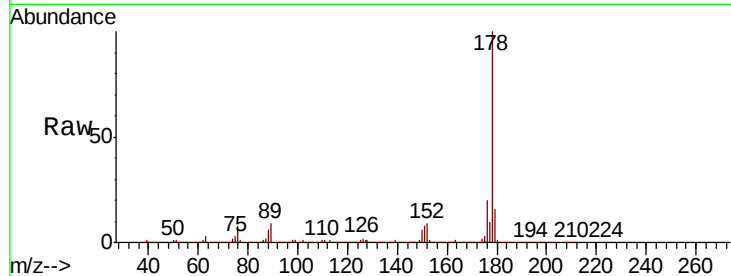




#71
Phenanthrene
Concen: 105.942 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.07 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

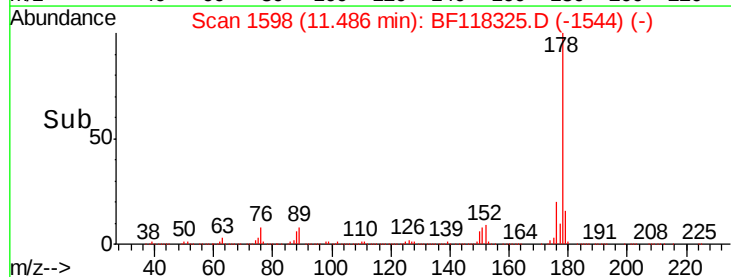
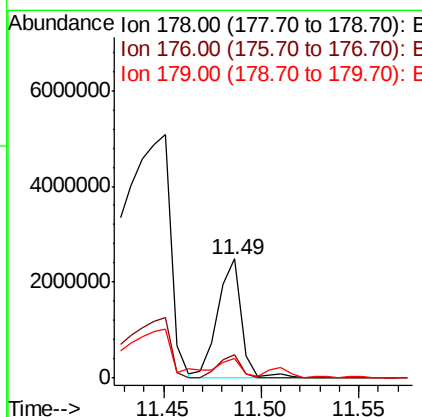
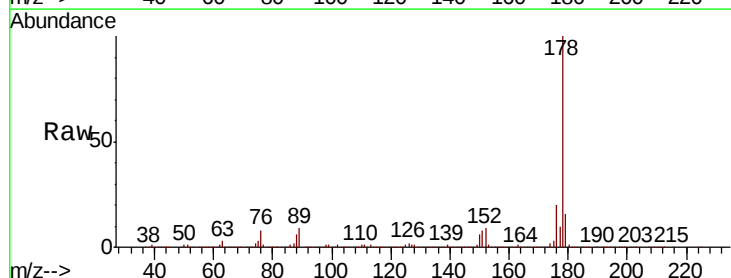
Instrument :
BNA_F
ClientSampleId :

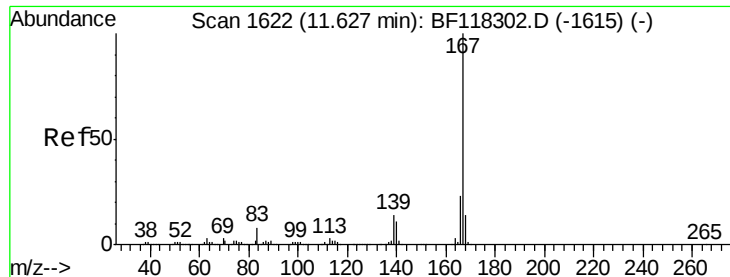
Tot Ion:178 Resp: 2085265
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.5 12.6 19.0



#72
Anthracene
Concen: 105.842 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.02 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:178 Resp: 2085265
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 16.5 12.9 19.3

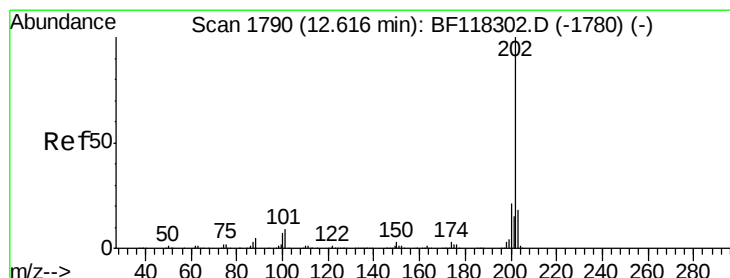
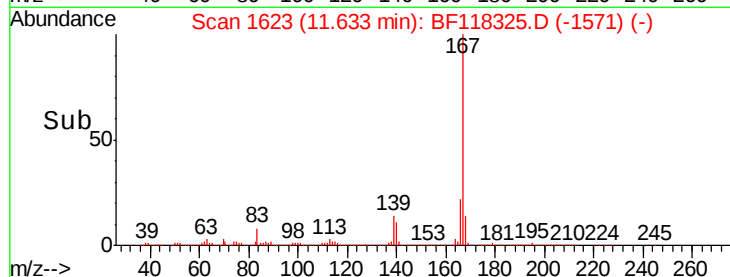
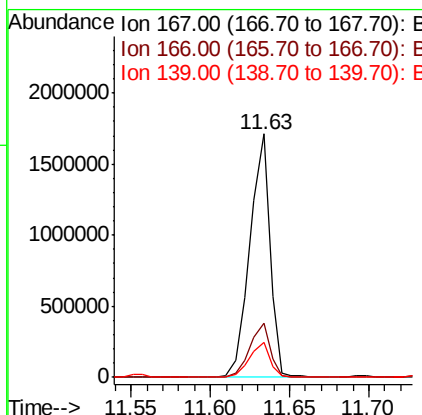
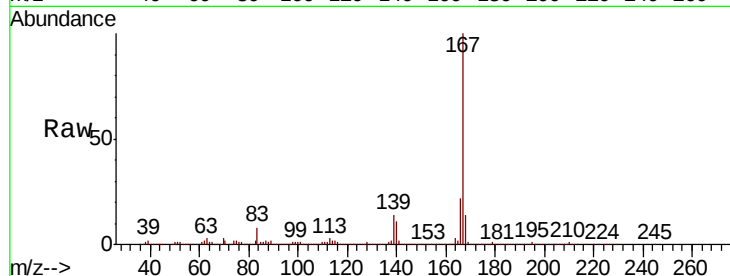




#73
 Carbazole
 Concen: 86.248 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

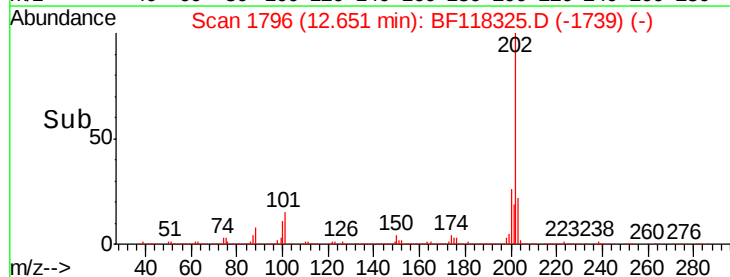
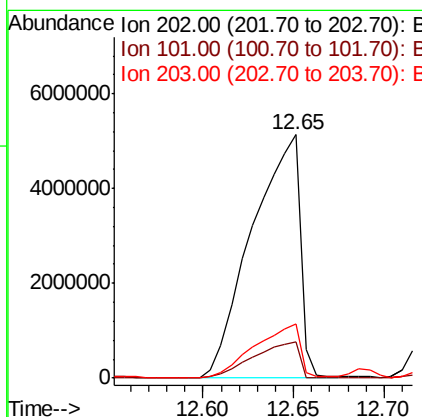
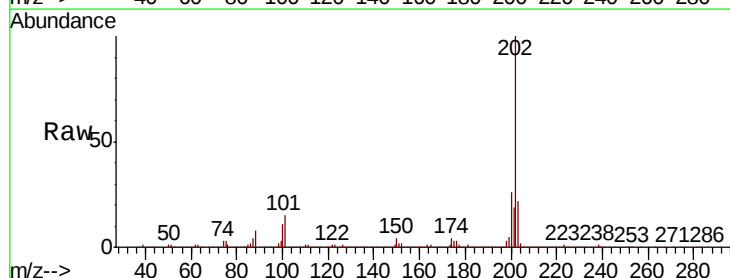
Instrument :
 BNA_F
 ClientSampleId :

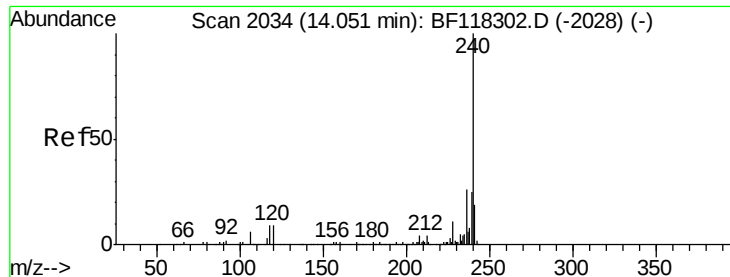
Tot Ion:167 Resp: 1507779
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.1 27.1
 139 14.3 11.5 17.3



#75
 Fluoranthene
 Concen: 475.766 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.04 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Tgt Ion:202 Resp: 9450907
 Ion Ratio Lower Upper
 202 100
 101 14.9 0.0 29.5
 203 22.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

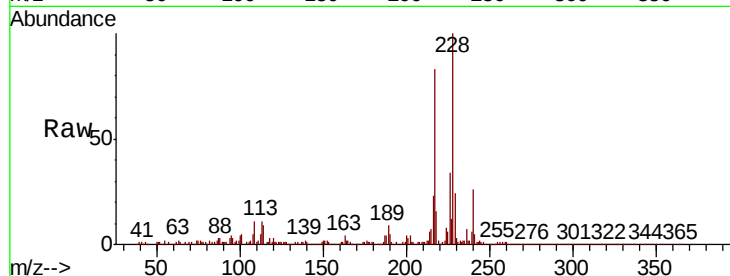
Tot Ion:240 Resp: 256159

Ion Ratio Lower Upper

240 100

120 11.5 7.1 10.7#

236 27.3 21.0 31.6

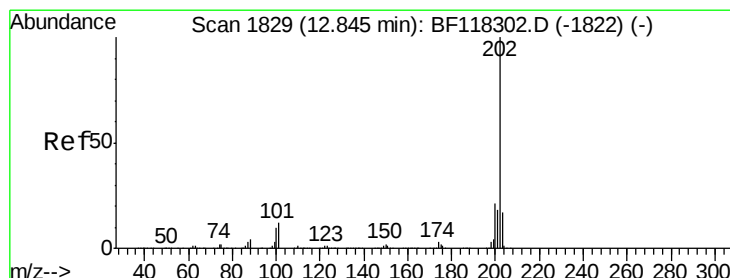
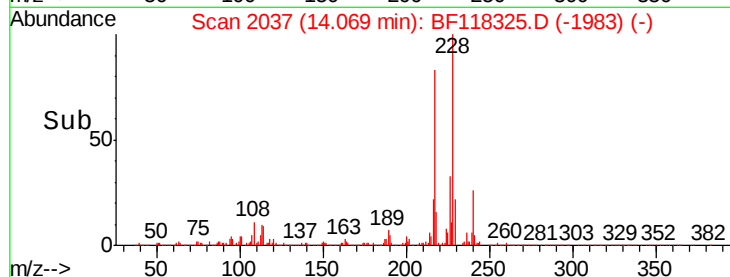
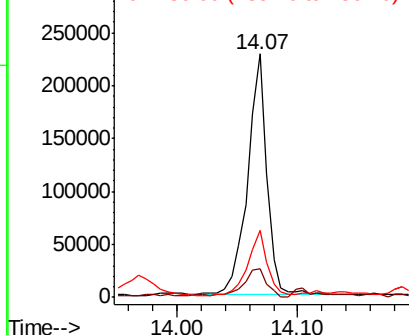


Abundance

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: 371.033 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.04 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

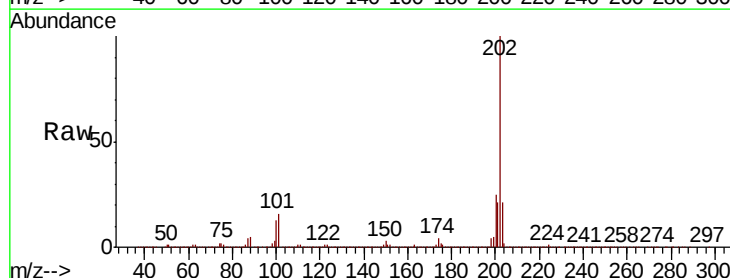
Tgt Ion:202 Resp: 7761331

Ion Ratio Lower Upper

202 100

200 25.1 16.8 25.2

203 21.2 13.9 20.9#

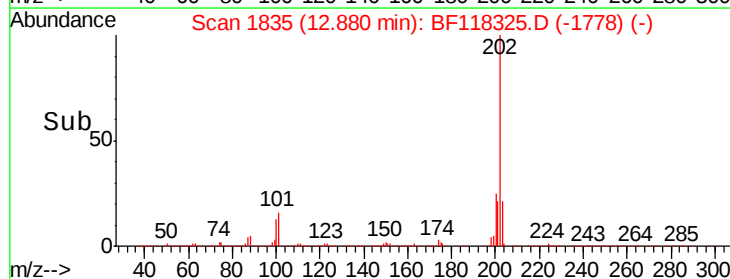
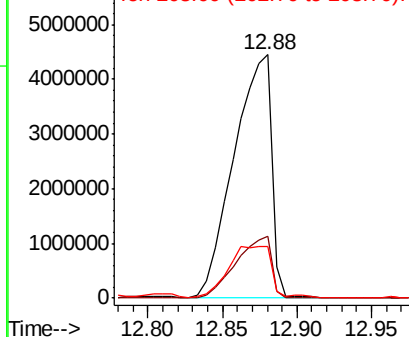


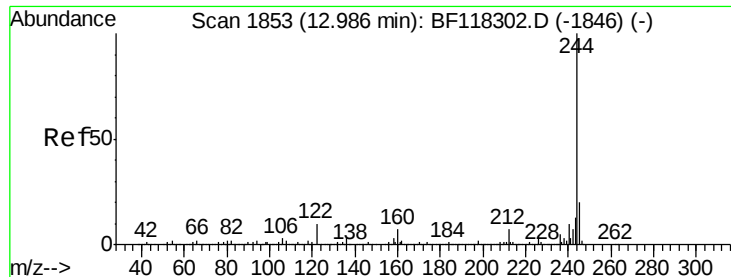
Abundance

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

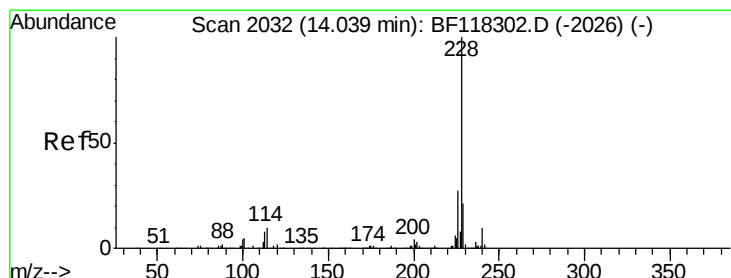
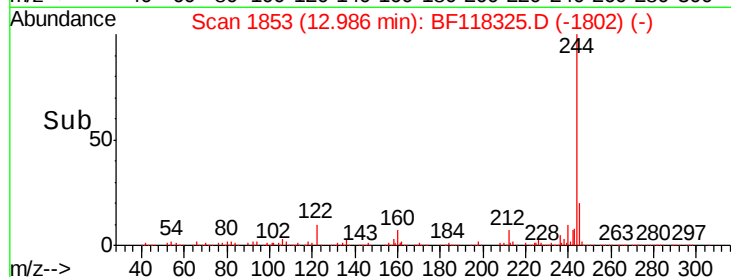
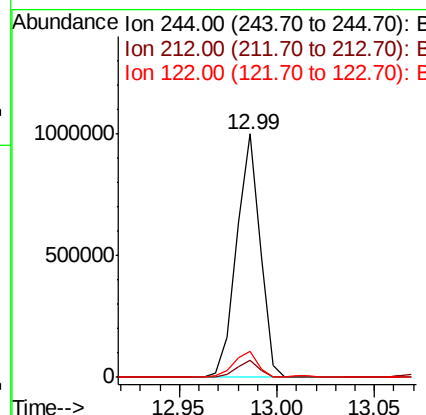
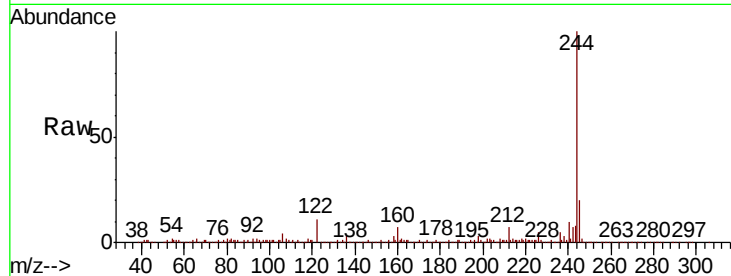




#79
 Terphenyl-d14
 Concen: 54.083 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

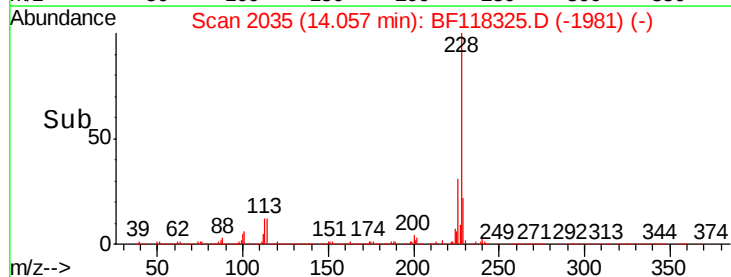
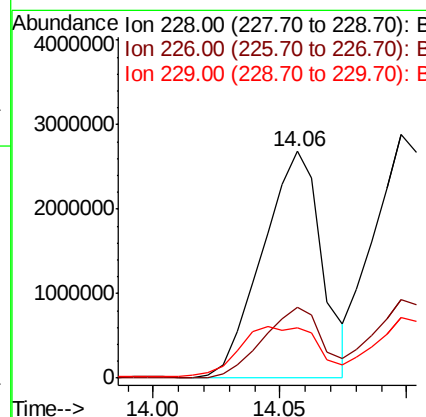
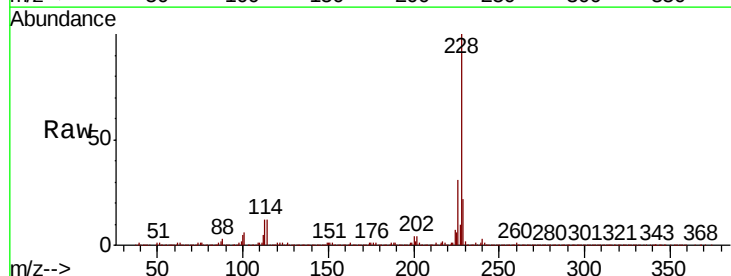
Instrument :
 BNA_F
 ClientSampleId :

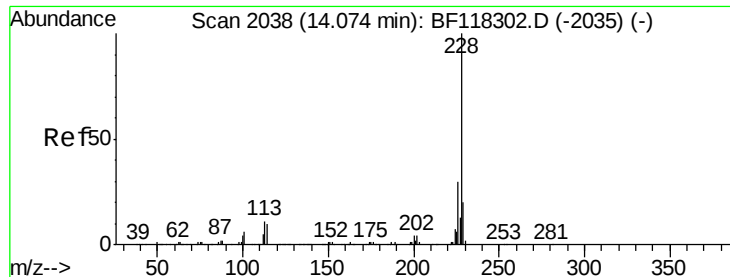
Tot Ion:244 Resp: 835050
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.7 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 243.407 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.02 min
 Lab File: BF118325.D
 Acq: 26 Dec 2019 19:19

Tgt Ion:228 Resp: 4364370
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.0 33.0
 229 22.3 16.6 24.8





#83

Chrysene

Concen: 254.205 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

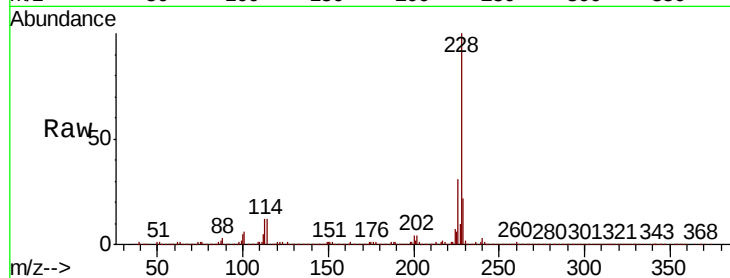
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 4364370

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	22.3	16.1	24.1

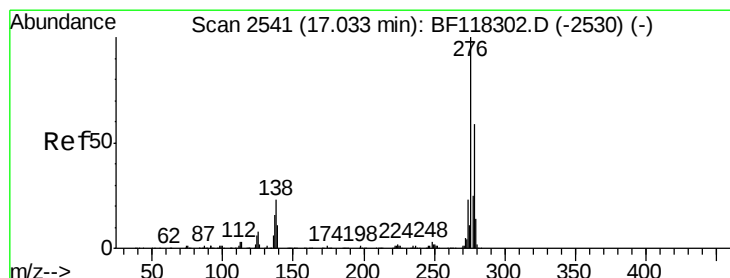
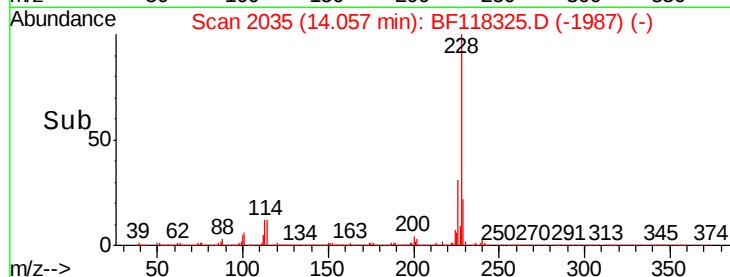
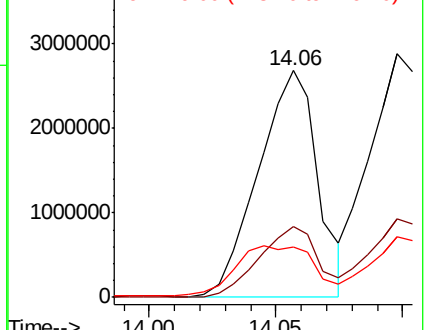


Abundance

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: 111.310 ng

RT: 17.09 min Scan# 2550

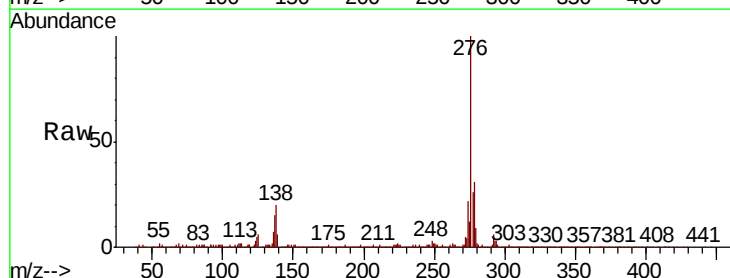
Delta R.T. 0.05 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

Tgt Ion:276 Resp: 1628327

Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.5	29.3
277	26.0	20.6	30.8

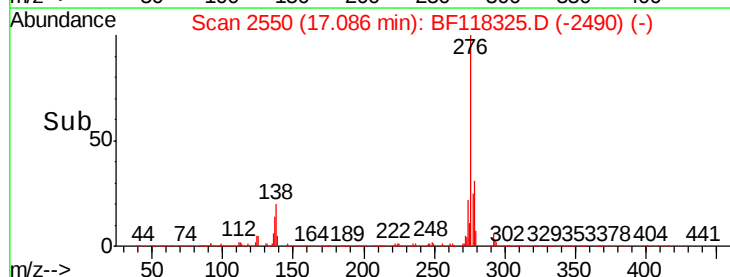
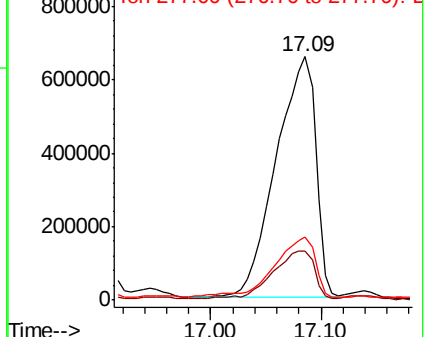


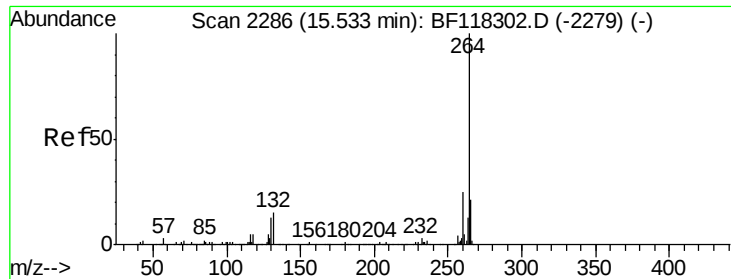
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.02 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

Instrument :

BNA_F

ClientSampleId :

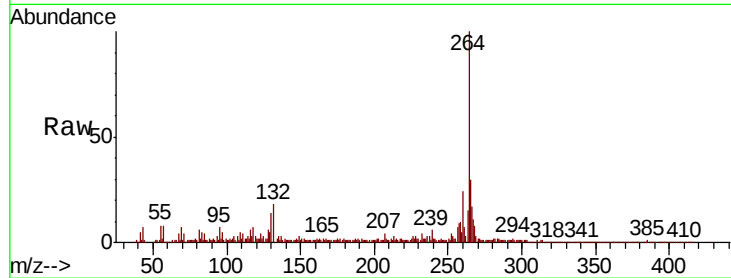
Tot Ion:264 Resp: 276929

Ion Ratio Lower Upper

264 100

260 24.2 19.8 29.6

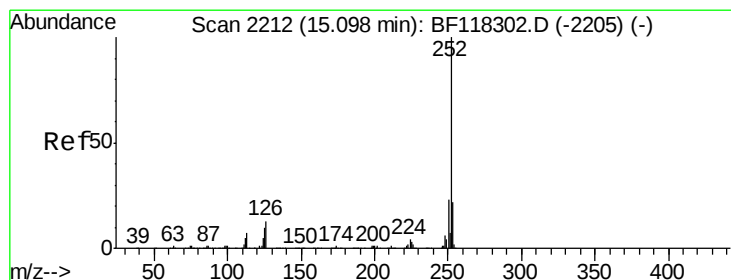
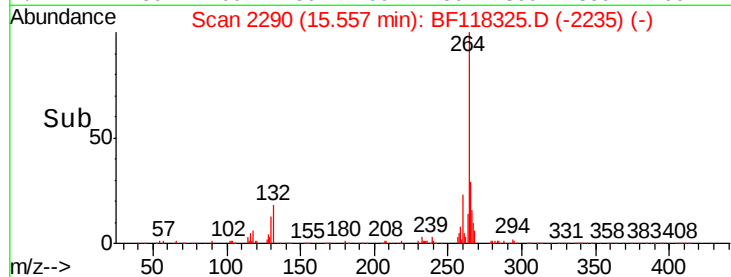
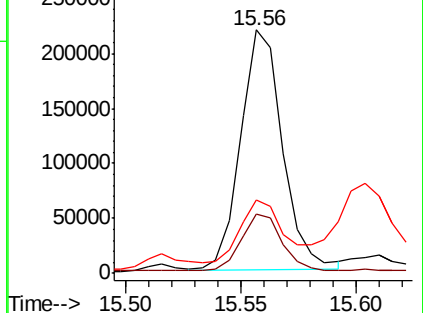
265 30.1 17.0 25.4#



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: 345.307 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.04 min

Lab File: BF118325.D

Acq: 26 Dec 2019 19:19

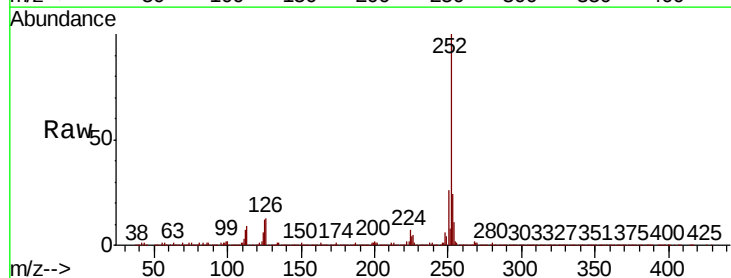
Tgt Ion:252 Resp: 6347617

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

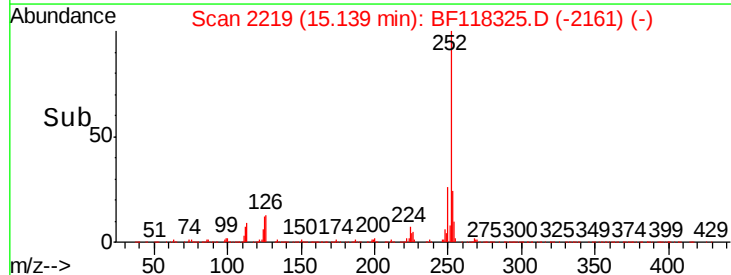
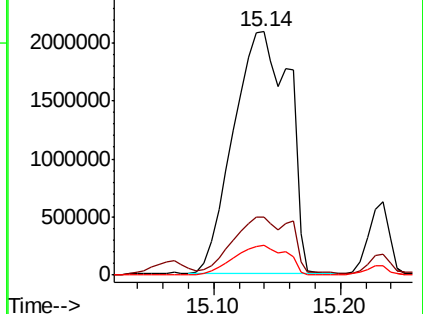
125 12.0 7.7 11.5#

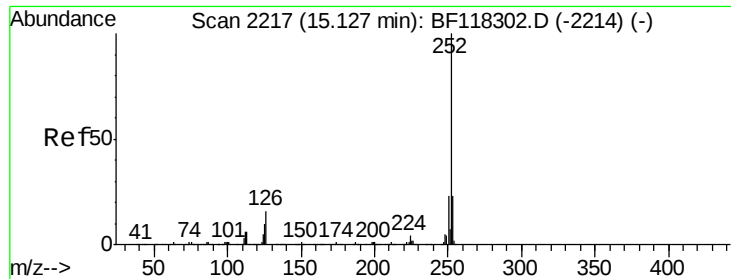


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

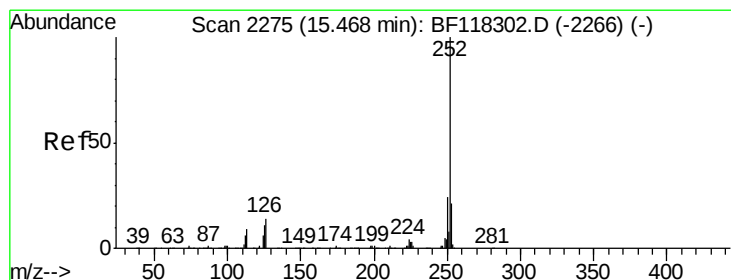
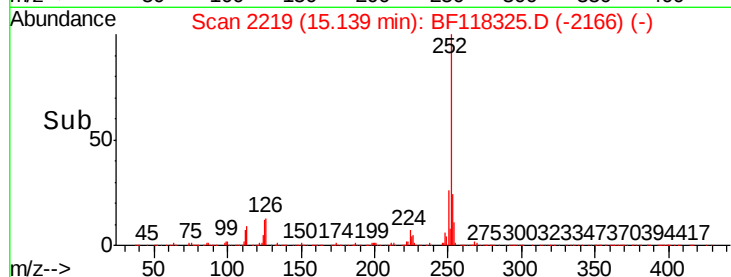
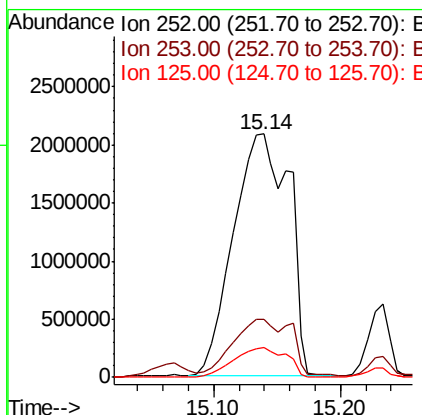
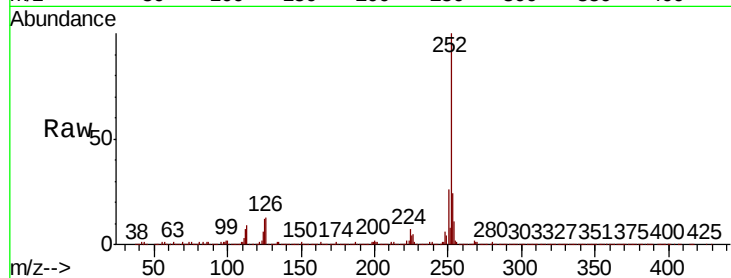




#89
Benzo(k)fluoranthene
Concen: 359.629 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

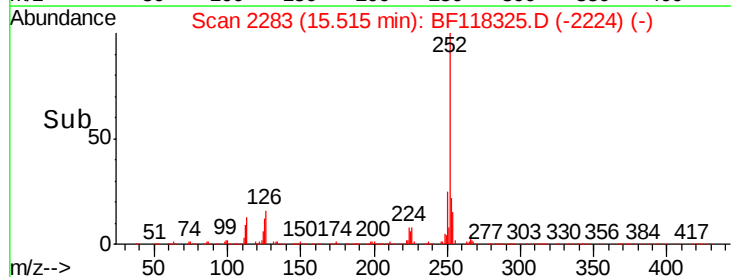
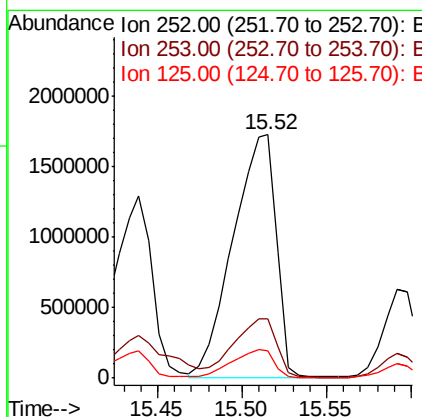
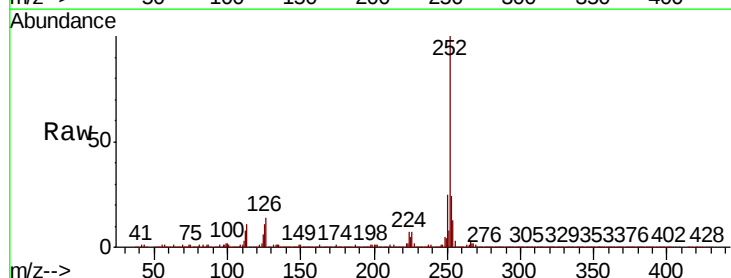
Instrument :
BNA_F
ClientSampleId :

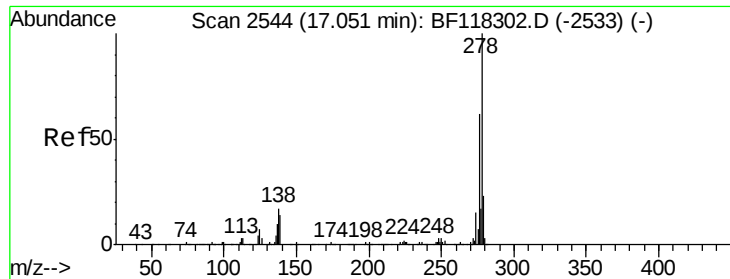
Tot Ion:252 Resp: 6347617
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 12.0 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 189.224 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.05 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:252 Resp: 3064201
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 11.2 9.0 13.4

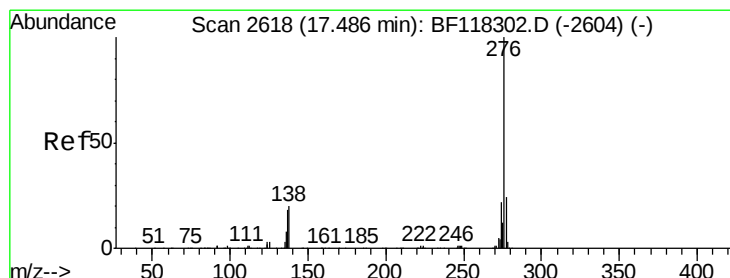
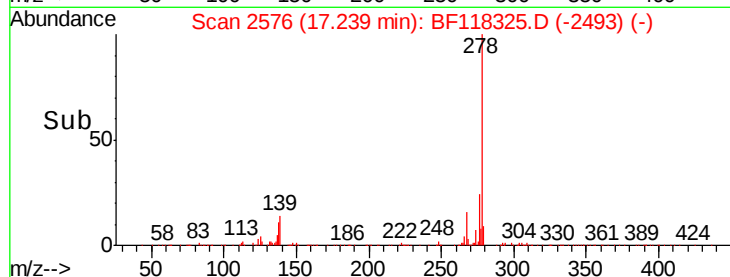
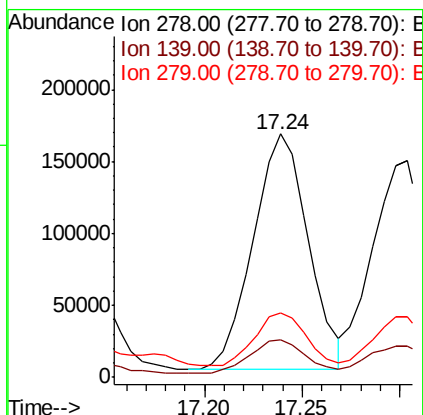
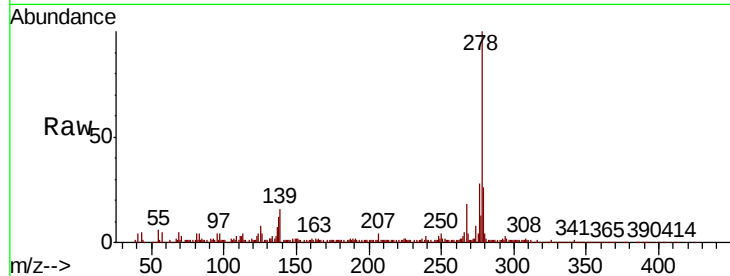




#91
Dibenzo(a,h)anthracene
Concen: 22.844 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.19 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 321022
Ion Ratio Lower Upper
278 100
139 15.6 11.5 17.3
279 26.5 18.3 27.5



#92
Benzo(g,h,i)perylene
Concen: 100.686 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.05 min
Lab File: BF118325.D
Acq: 26 Dec 2019 19:19

Tgt Ion:276 Resp: 1366771
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 20.6 16.1 24.1

