

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118346.D
 Acq On : 27 Dec 2019 19:08
 Operator : JU
 Sample : K6431-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:01:12 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	146716	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	579263	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	306715	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	542056	20.00	ng	0.00
76) Chrysene-d12	14.04	240	326877	20.00	ng	0.00
87) Perylene-d12	15.53	264	375271	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	826136	96.12	ng	0.01
7) Phenol-d6	6.49	99	1025695	96.20	ng	0.00
23) Nitrobenzene-d5	7.42	82	624500	61.66	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	335299	88.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1290975	64.25	ng	0.00
79) Terphenyl-d14	12.98	244	1322616	67.13	ng	0.00

Target Compounds

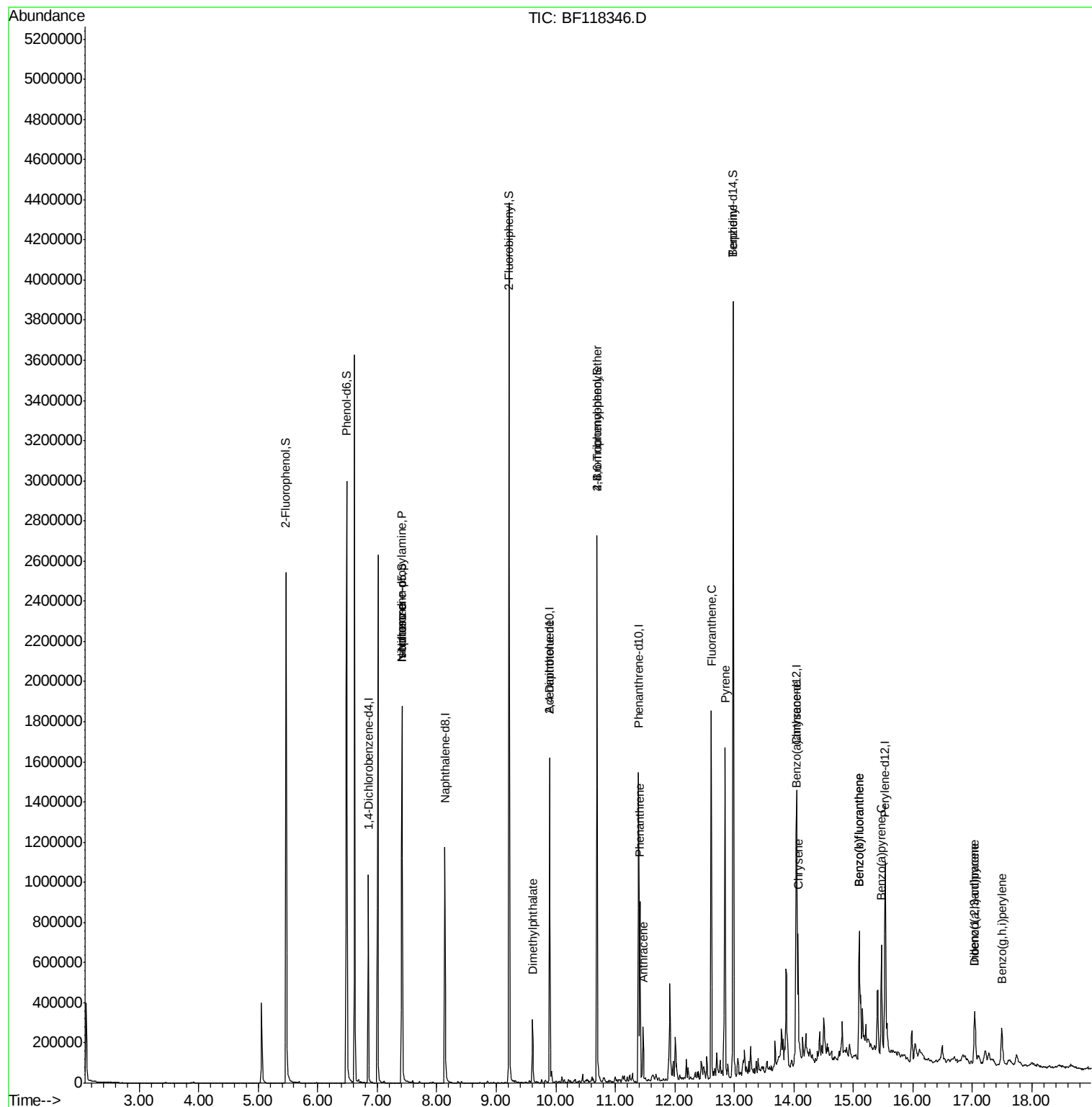
						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	83603	12.728	ng	# 77
25) Isophorone	7.42	82	624496	35.381	ng	# 62
50) Dimethylphthalate	9.61	163	130597	5.672	ng	99
57) 2,4-Dinitrotoluene	9.90	165	38572	5.816	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	20244	3.191	ng	# 1
71) Phenanthrene	11.42	178	299911	10.149	ng	98
72) Anthracene	11.47	178	106507	3.601	ng	97
75) Fluoranthene	12.62	202	748319	25.092	ng	99
77) Benzidine	12.98	184	18190	2.031	ng	# 90
78) Pyrene	12.84	202	645040	24.165	ng	100
81) Benzo(a)anthracene	14.03	228	295084	12.897	ng	99
83) Chrysene	14.07	228	238847	10.902	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	159517	8.545	ng	94
88) Benzo(b)fluoranthene	15.10	252	449423	18.042	ng	98
89) Benzo(k)fluoranthene	15.10	252	449423	18.790	ng	99
90) Benzo(a)pyrene	15.47	252	247681	11.287	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	40478	2.126	ng	# 82
92) Benzo(g,h,i)perylene	17.49	276	147789	8.034	ng	98

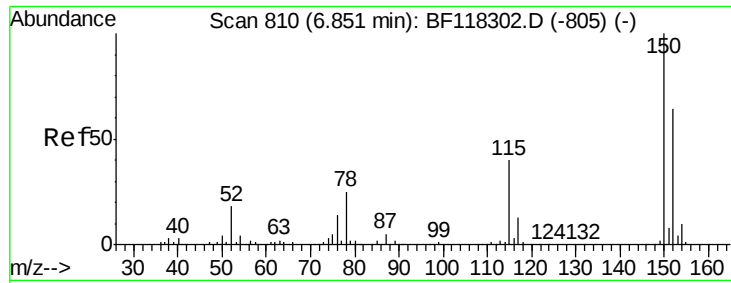
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118346.D
Acq On : 27 Dec 2019 19:08
Operator : JU
Sample : K6431-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 28 00:01:12 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



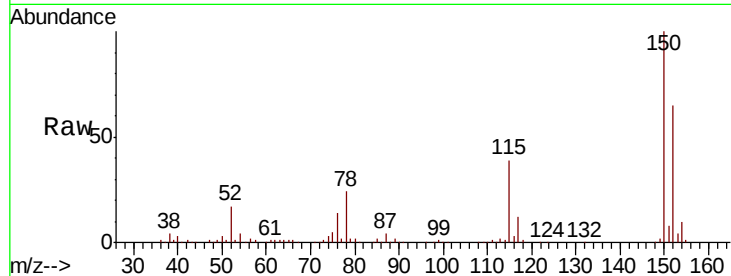


#1

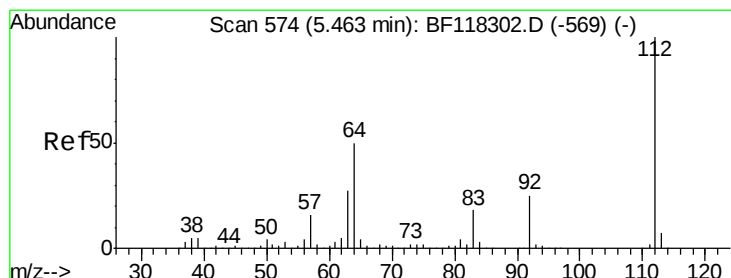
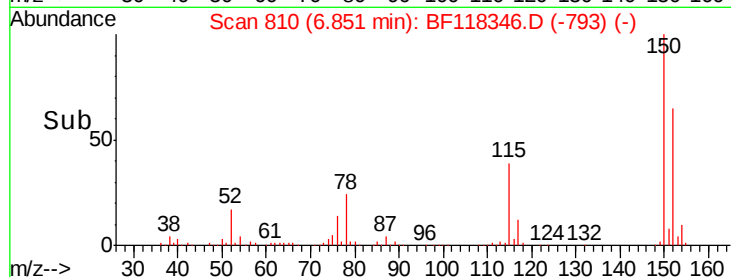
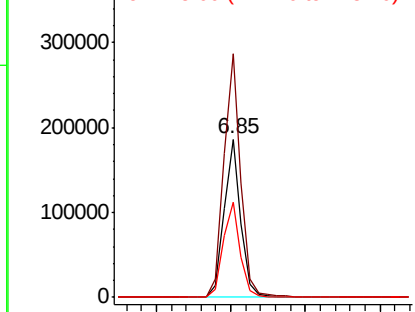
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146716
Ion Ratio Lower Upper
152 100
150 153.8 125.4 188.2
115 60.1 50.2 75.4



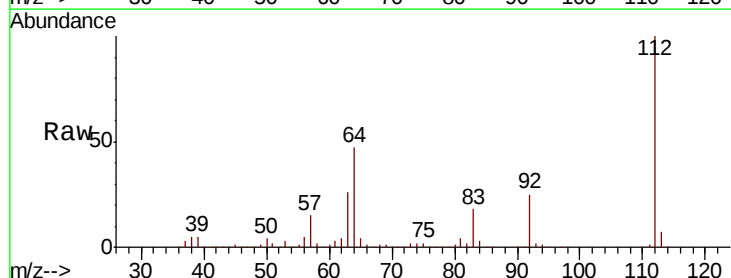
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



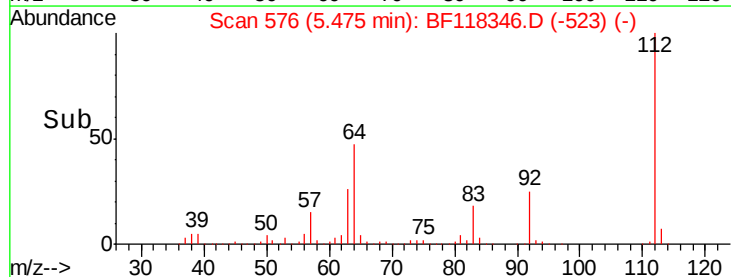
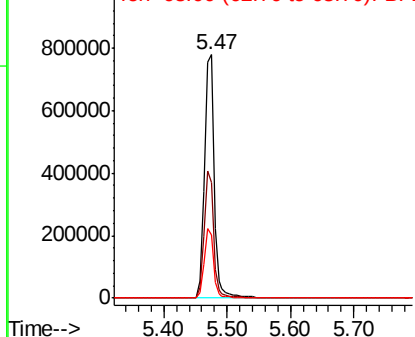
#5

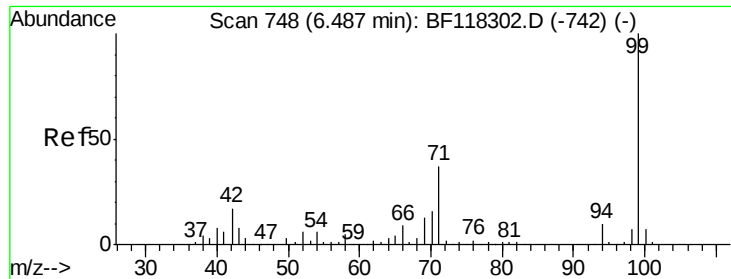
2-Fluorophenol
Concen: 96.118 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion:112 Resp: 826136
Ion Ratio Lower Upper
112 100
64 47.4 39.7 59.5
63 25.8 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: 96.198 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

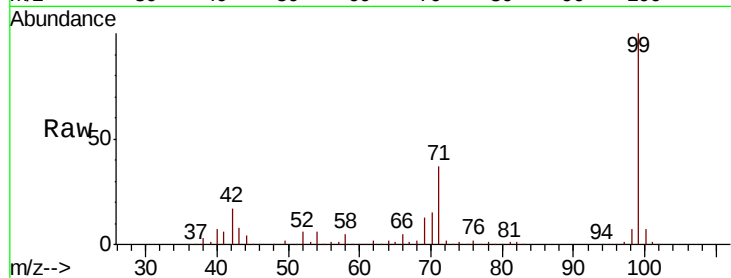
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1025695

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.5	20.3
71	36.7	29.4	44.2

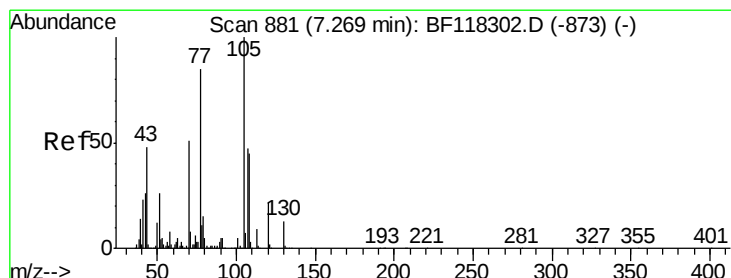
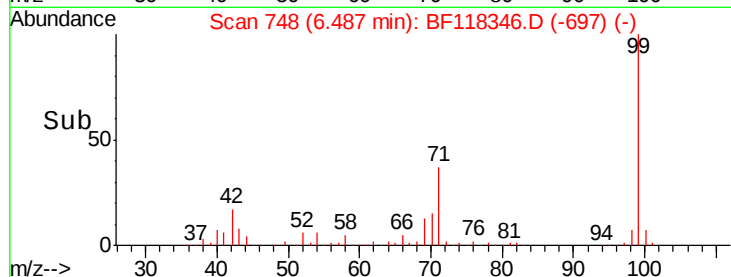
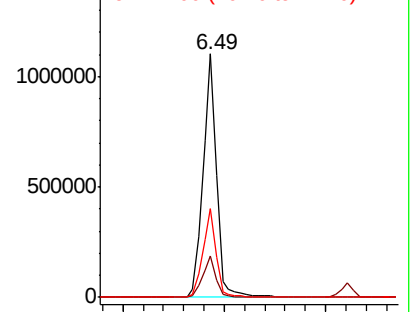


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.728 ng

RT: 7.42 min Scan# 906

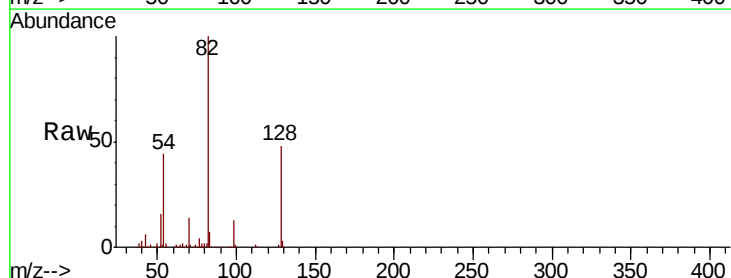
Delta R.T. 0.15 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Tgt Ion: 70 Resp: 83603

Ion	Ratio	Lower	Upper
70	100		
42	43.4	41.1	61.7
101	0.0	8.3	12.5#
130	2.2	20.1	30.1#



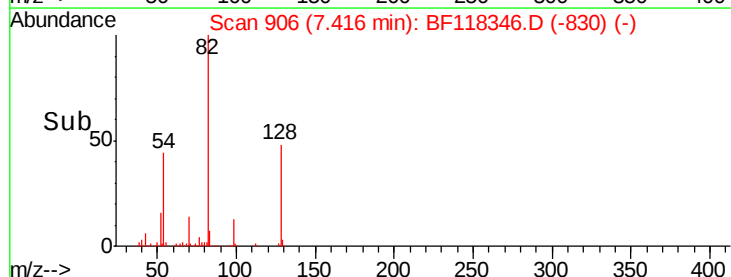
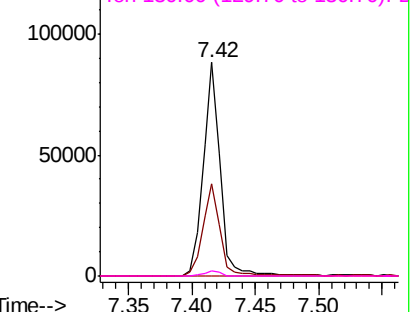
Abundance

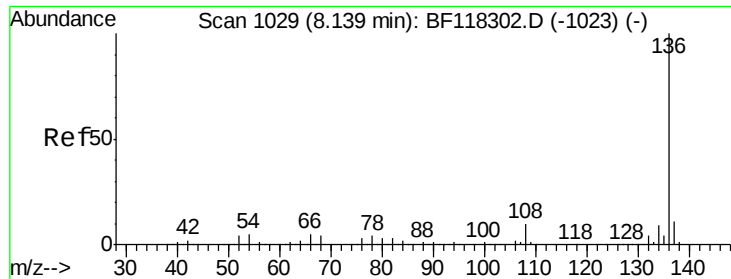
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

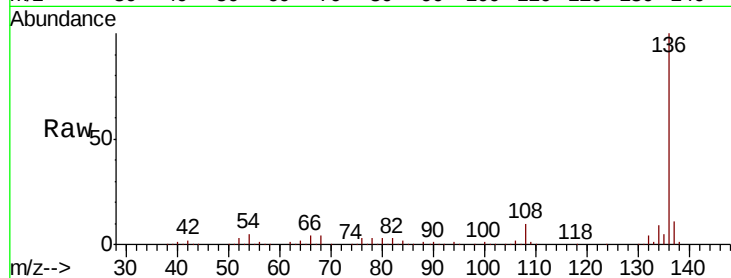




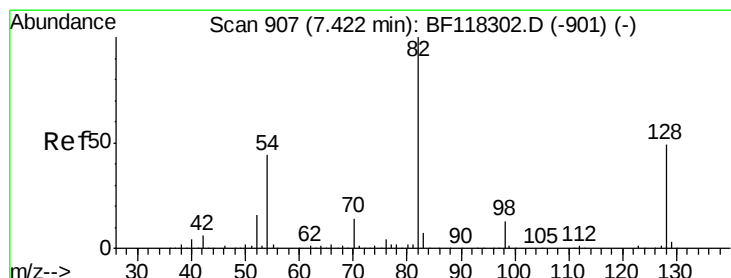
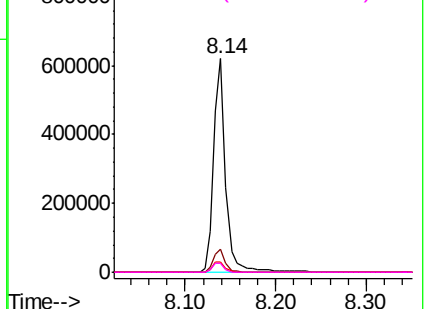
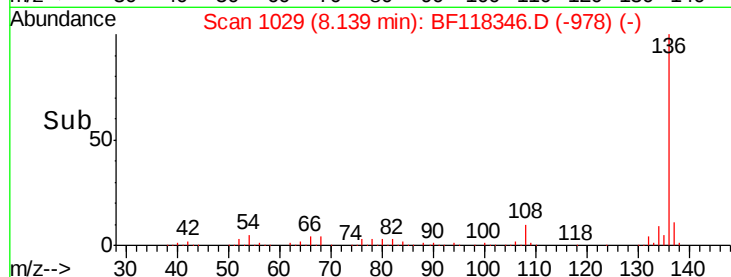
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	579263
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	5.0	4.2 6.4
68	4.3	3.5 5.3

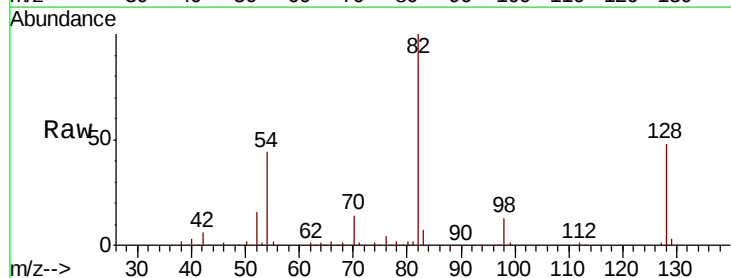


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

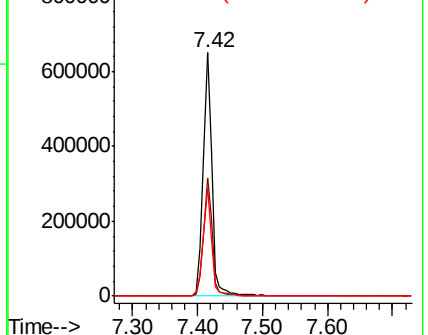
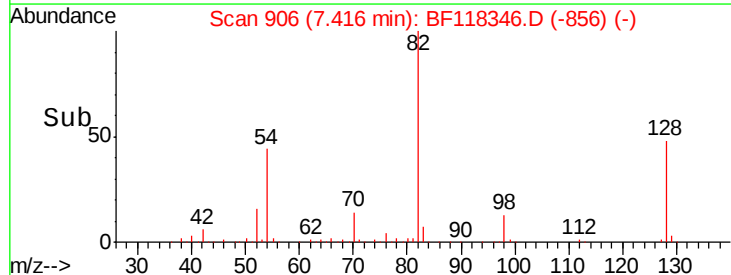


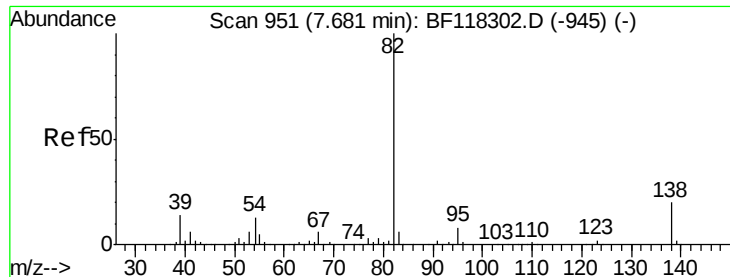
#23
Nitrobenzene-d5
Concen: 61.662 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion: 82	Resp:	624500
Ion	Ratio	Lower Upper
82	100	
128	48.4	39.6 59.4
54	44.3	34.9 52.3



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





#25

Isophorone

Concen: 35.381 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampleId :

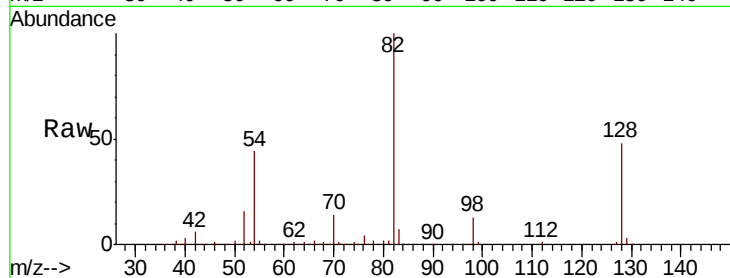
Tot Ion: 82 Resp: 624496

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

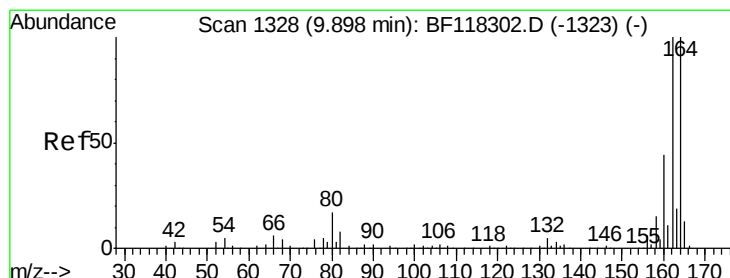
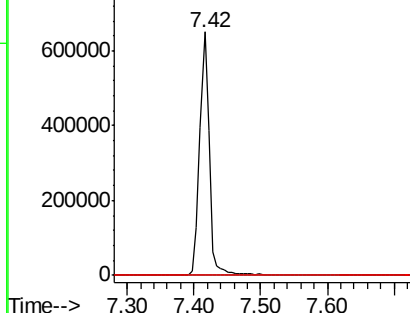
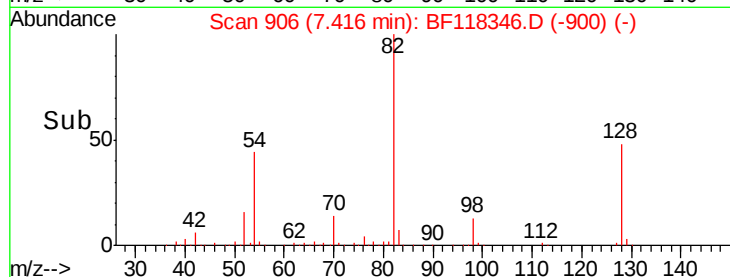
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

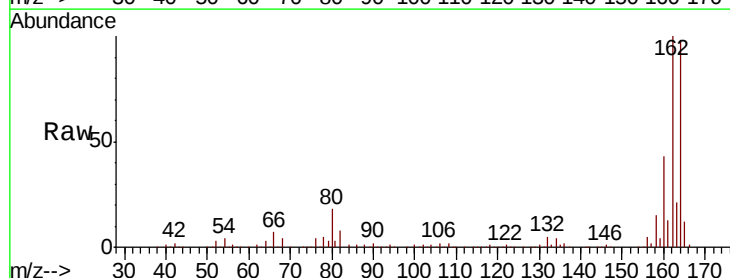
Tgt Ion:164 Resp: 306715

Ion Ratio Lower Upper

164 100

162 101.6 80.0 120.0

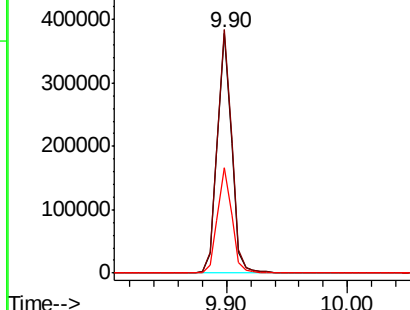
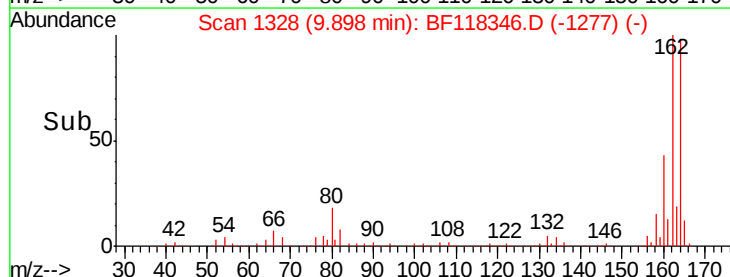
160 44.2 34.8 52.2

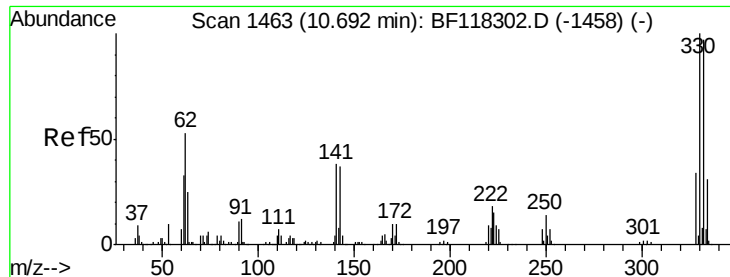


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

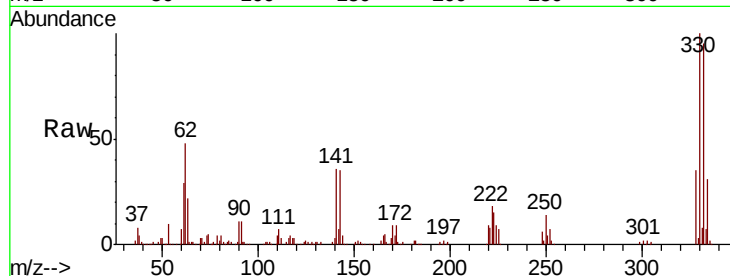




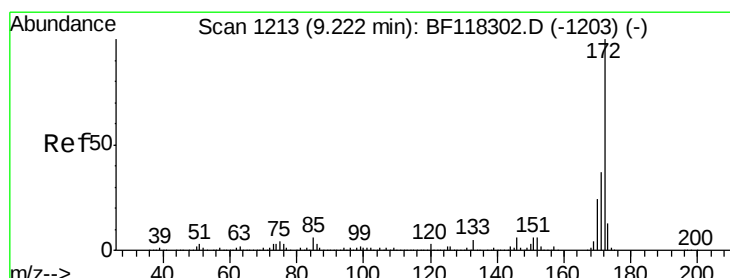
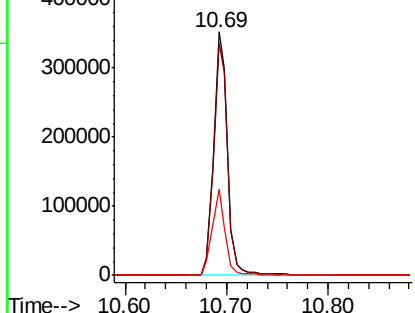
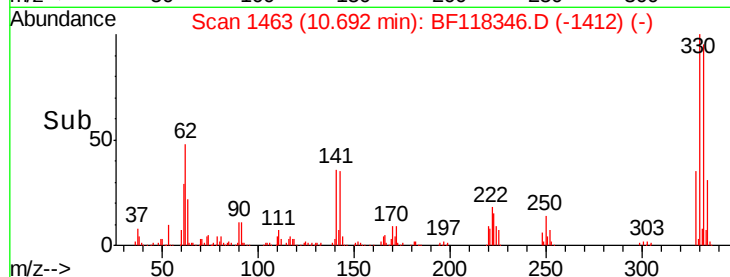
#42
 2,4,6-Tribromophenol
 Concen: 88.523 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF118346.D
 Acq: 27 Dec 2019 19:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 335299
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 33.5 26.0 39.0

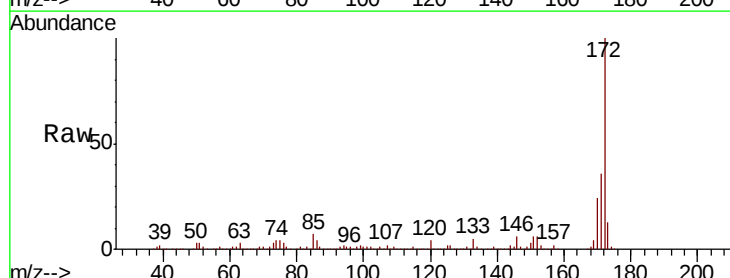


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

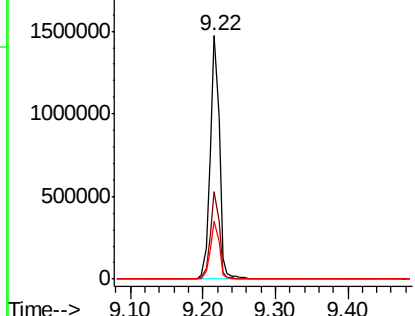
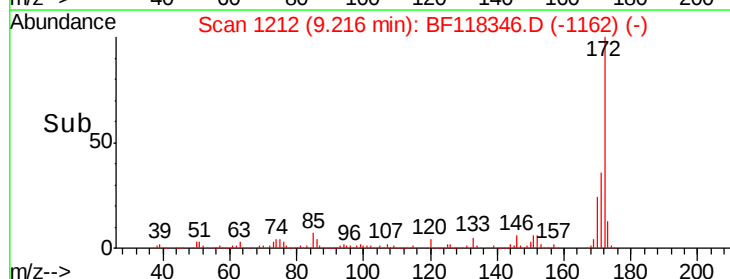


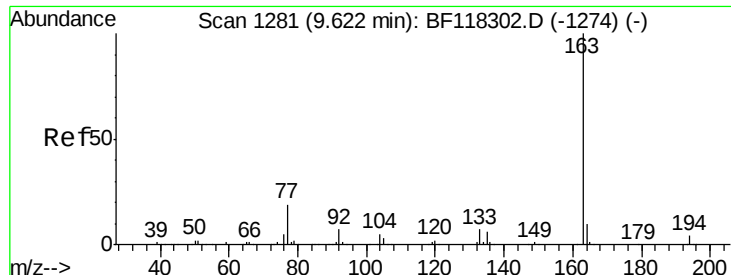
#45
 2-Fluorobiphenyl
 Concen: 64.250 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118346.D
 Acq: 27 Dec 2019 19:08

Tgt Ion:172 Resp: 1290975
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 23.9 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

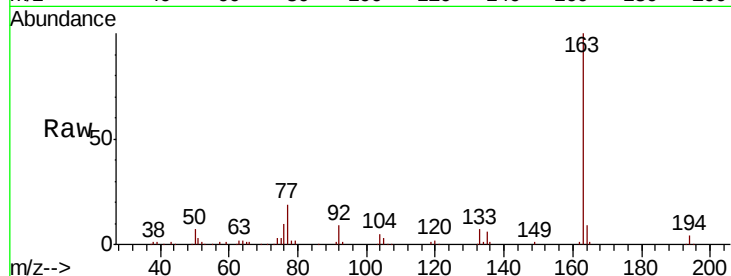




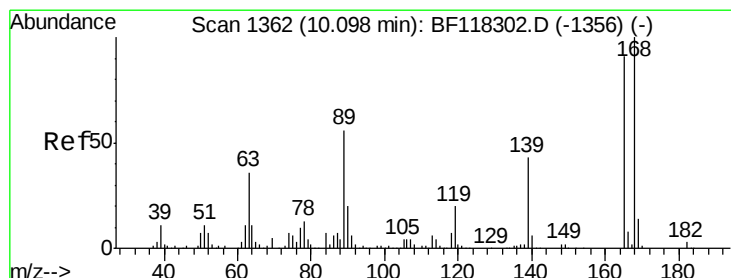
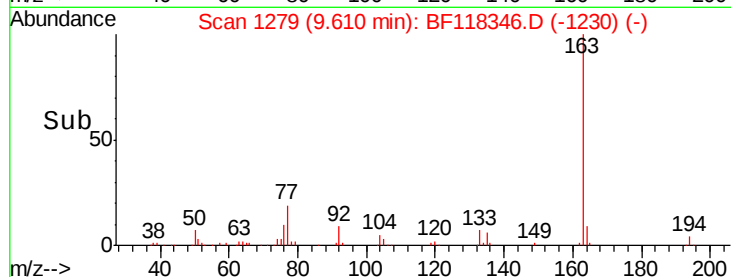
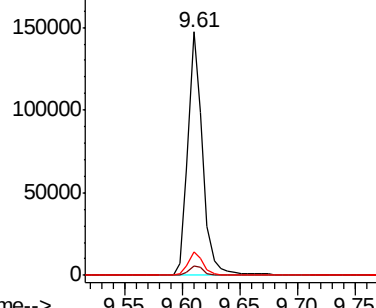
#50
Dimethylphthalate
Concen: 5.672 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.5	7.9	11.9



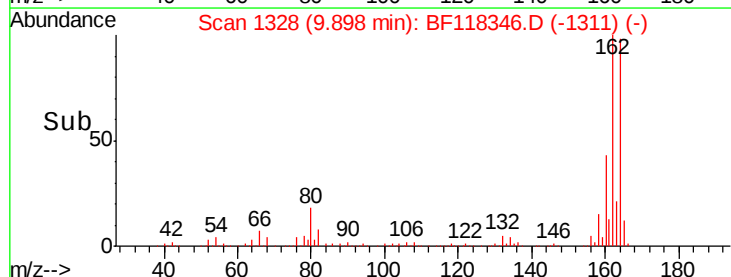
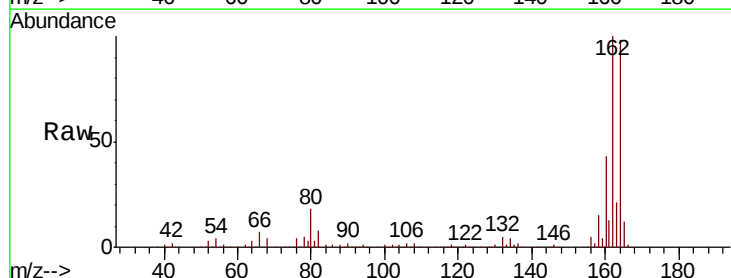
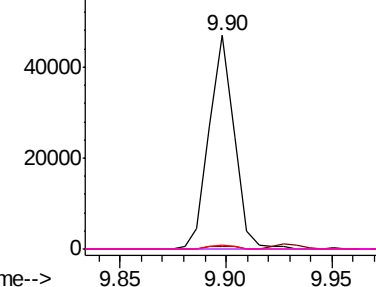
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

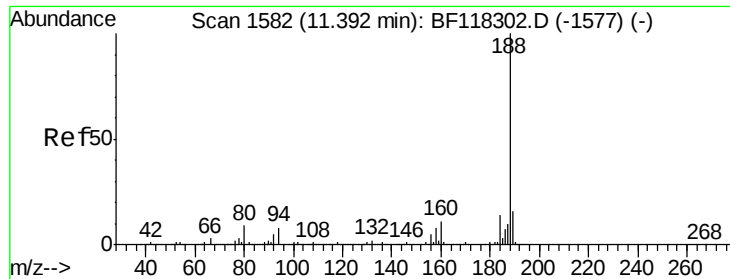


#57
2,4-Dinitrotoluene
Concen: 5.816 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.0	48.0#
89	1.7	49.3	73.9#
182	0.0	2.4	3.6#

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

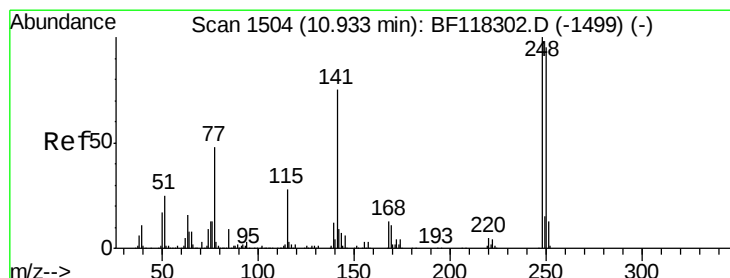
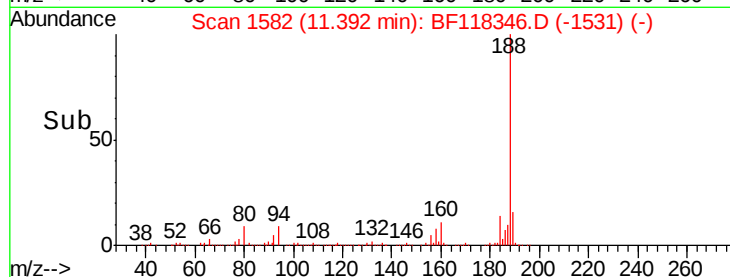
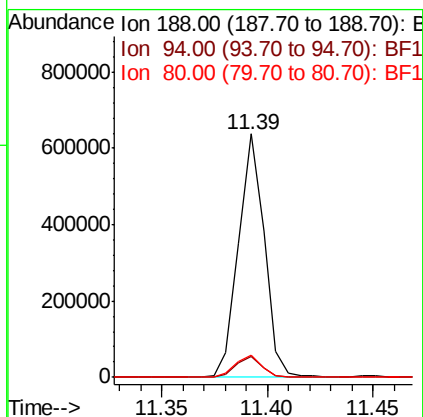
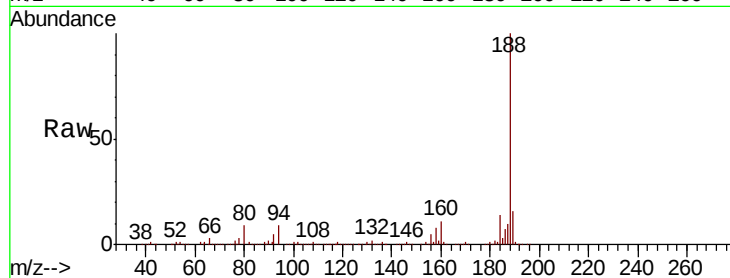




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

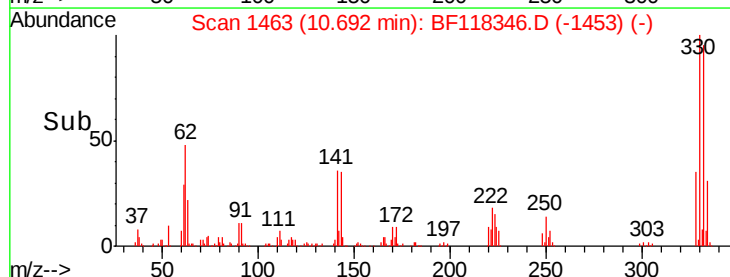
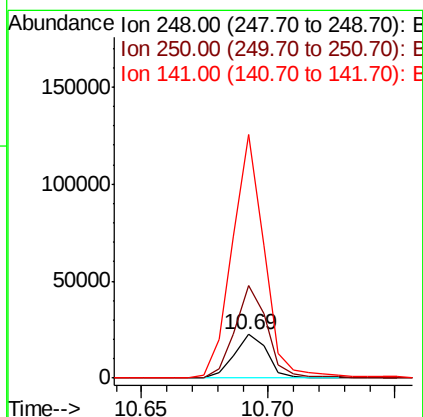
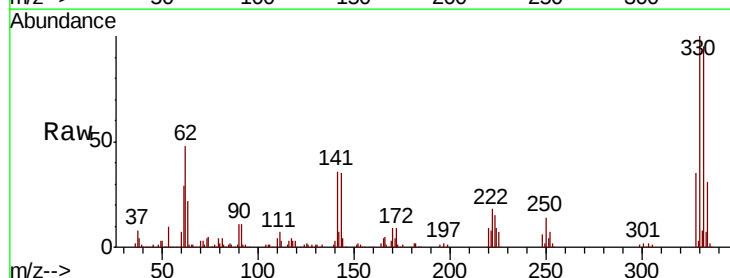
Instrument :
BNA_F
ClientSampleId :

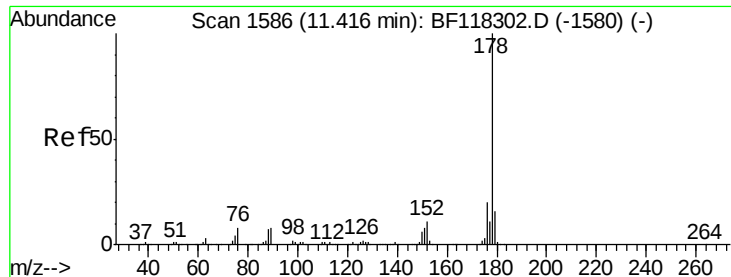
Tot Ion:188 Resp: 542056
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.1 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.191 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion:248 Resp: 20244
Ion Ratio Lower Upper
248 100
250 214.5 76.4 114.6#
141 561.0 60.2 90.2#

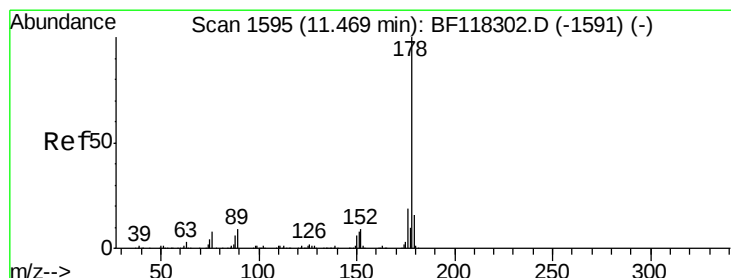
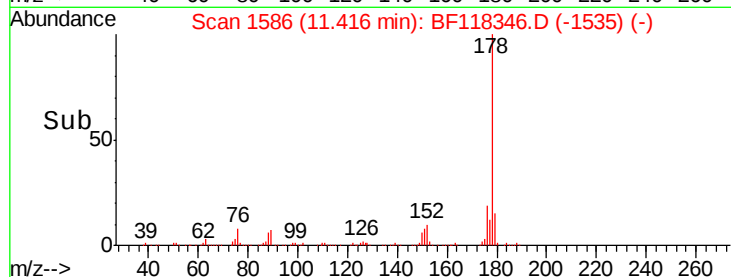
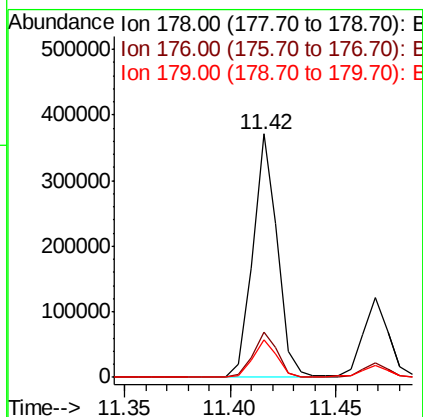
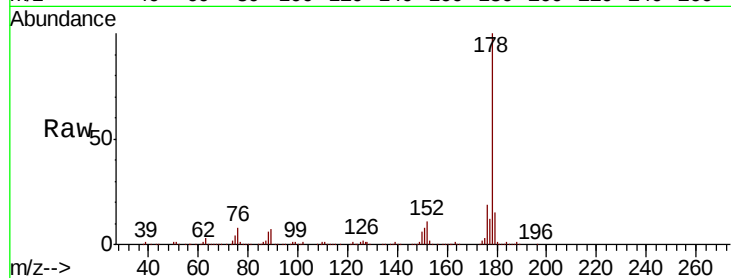




#71
Phenanthrene
Concen: 10.149 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

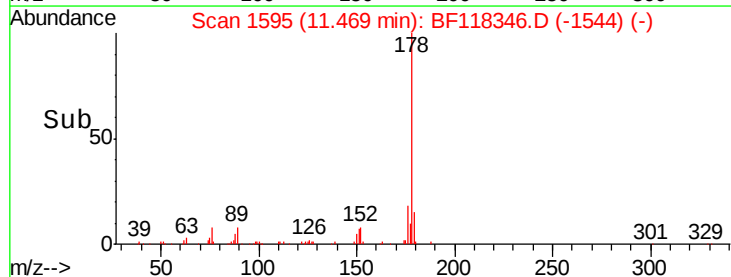
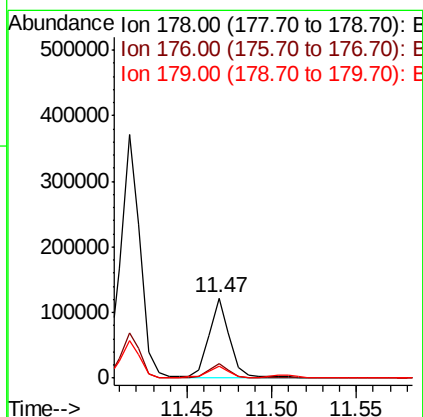
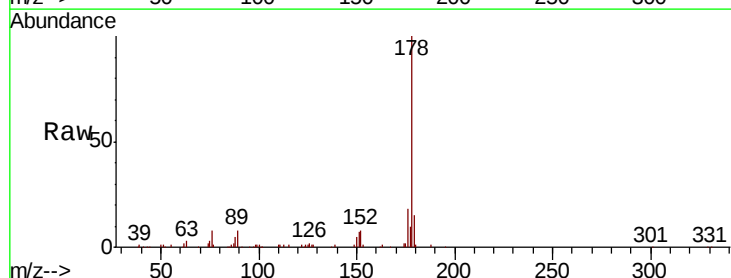
Instrument :
BNA_F
ClientSampleId :

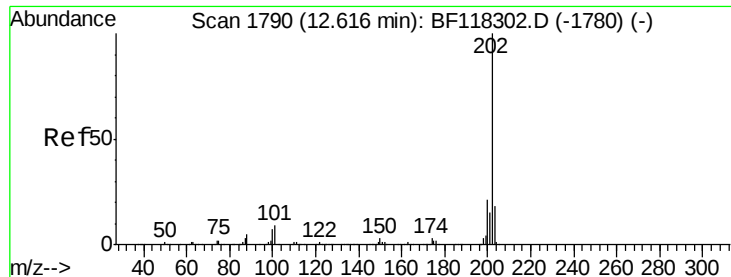
Tot Ion:178 Resp: 299911
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.3 12.6 19.0



#72
Anthracene
Concen: 3.601 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion:178 Resp: 106507
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 14.6 12.9 19.3





#75

Fluoranthene

Concen: 25.092 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampleId :

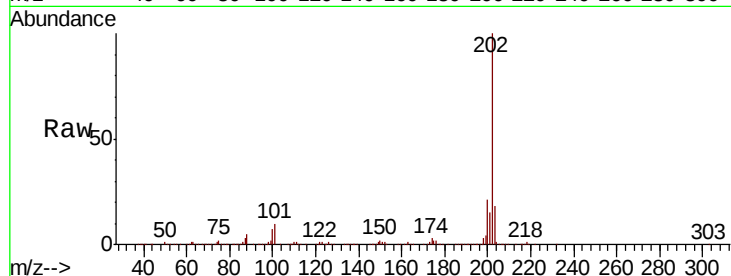
Tot Ion:202 Resp: 748319

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.5

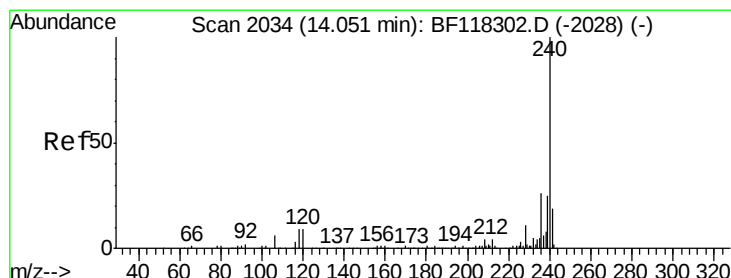
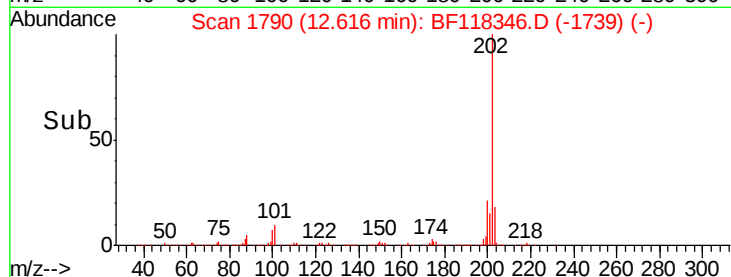
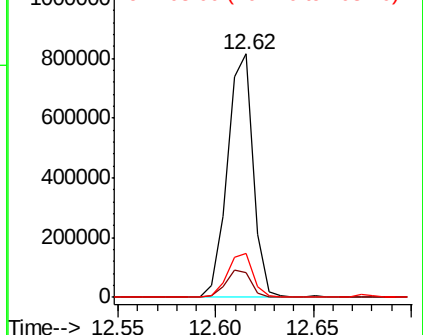
203 17.9 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

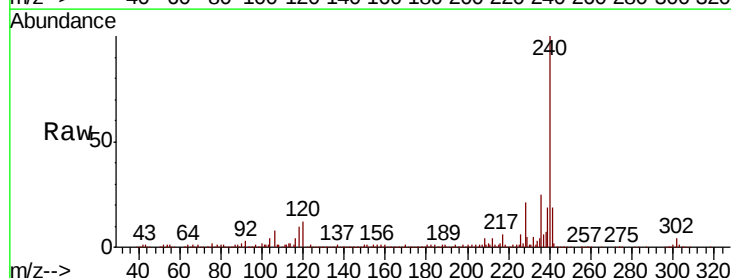
Tgt Ion:240 Resp: 326877

Ion Ratio Lower Upper

240 100

120 11.7 7.1 10.7#

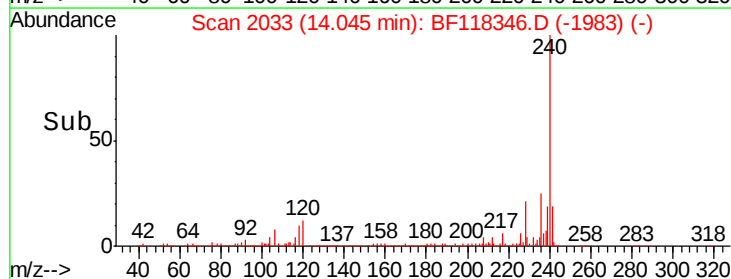
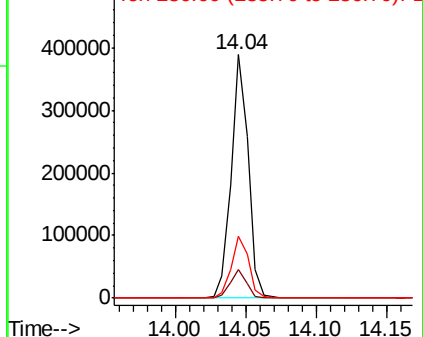
236 25.3 21.0 31.6

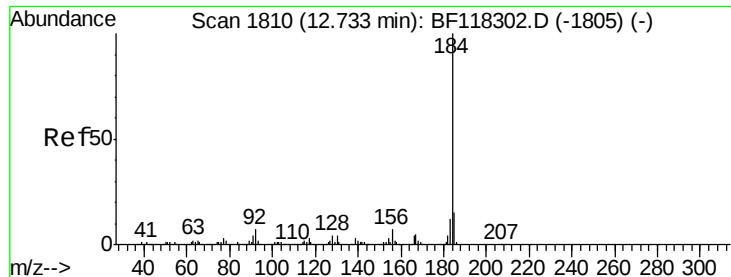


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.031 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.25 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampled :

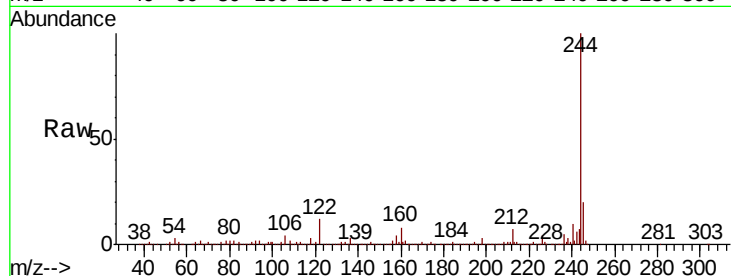
Tot Ion:184 Resp: 18190

Ion Ratio Lower Upper

184 100

185 18.6 12.3 18.5#

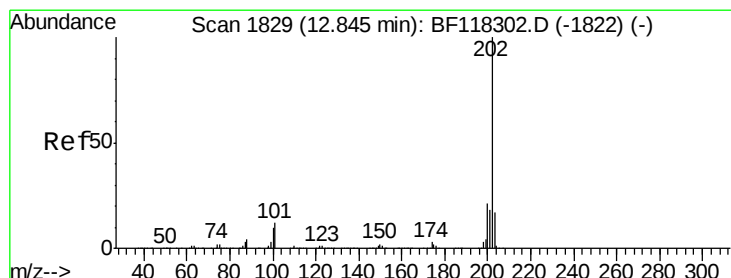
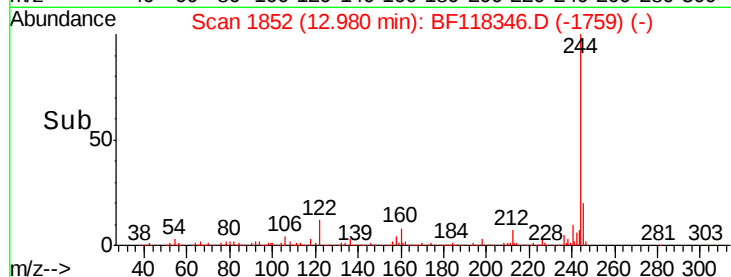
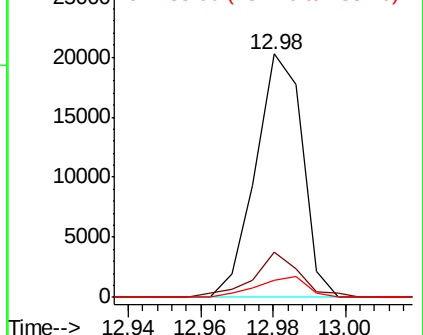
183 6.8 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 24.165 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

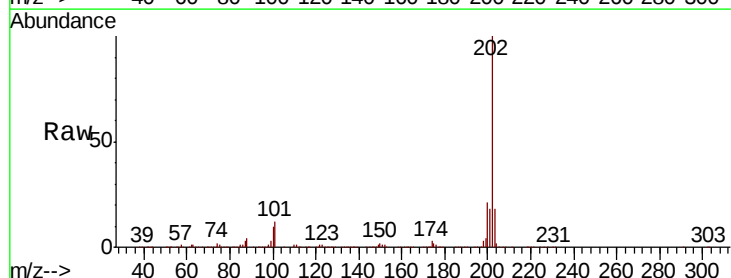
Tgt Ion:202 Resp: 645040

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

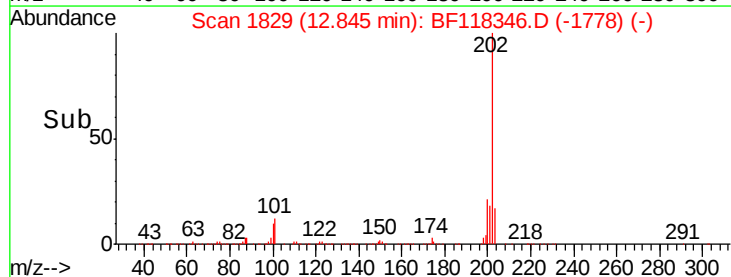
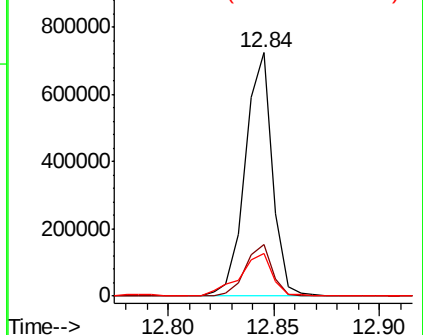
203 17.6 13.9 20.9

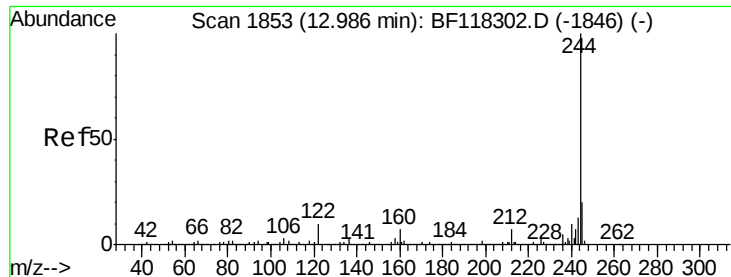


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.128 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampleId :

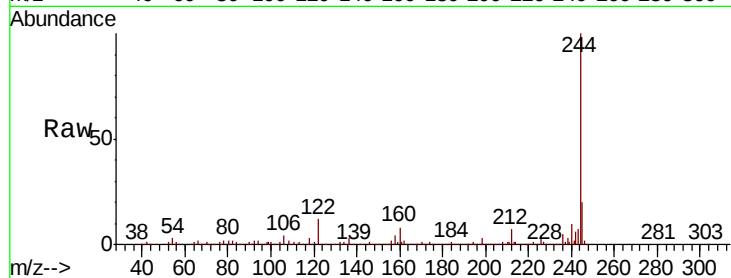
Tot Ion:244 Resp: 1322616

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

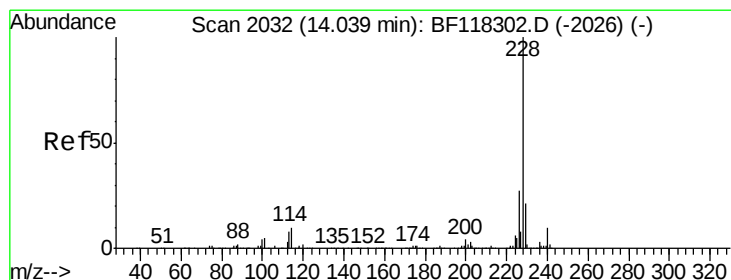
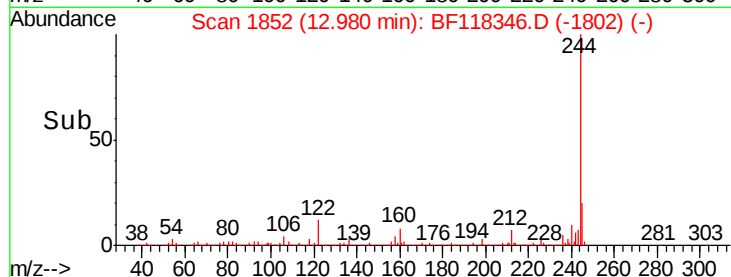
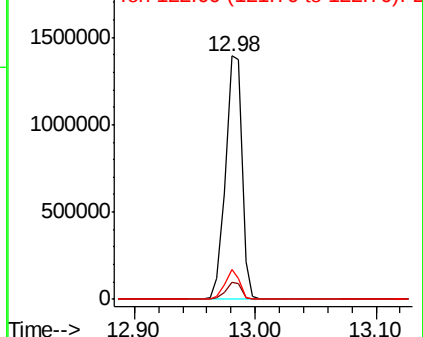
122 12.4 7.8 11.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 12.897 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

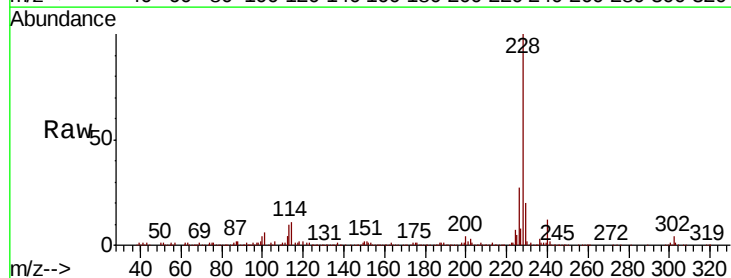
Tgt Ion:228 Resp: 295084

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

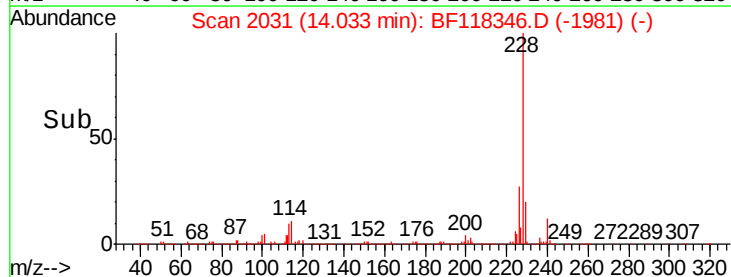
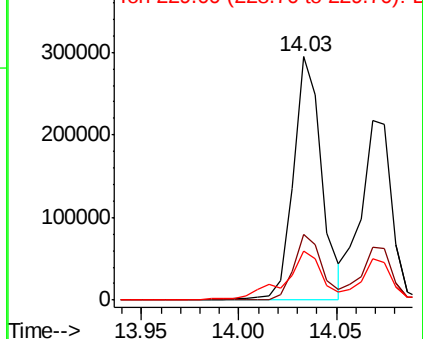
229 20.0 16.6 24.8

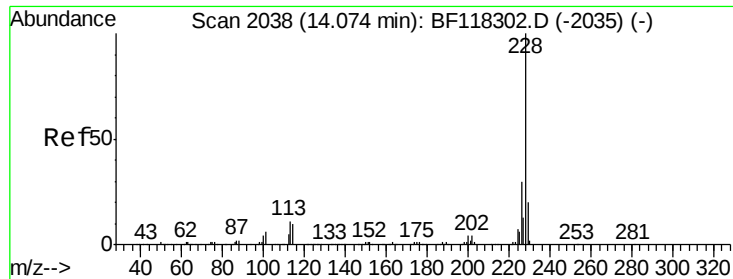


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

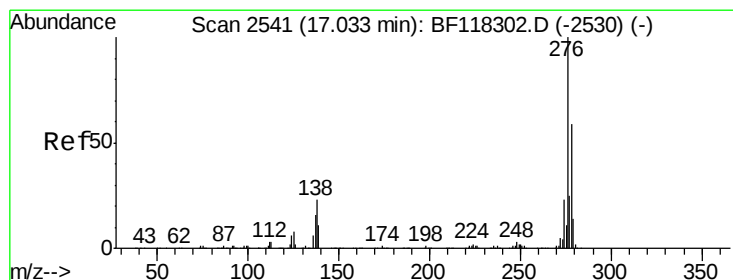
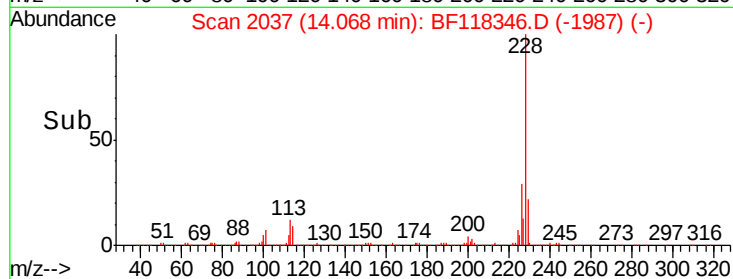
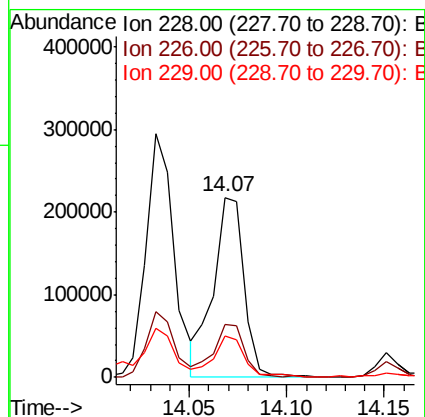
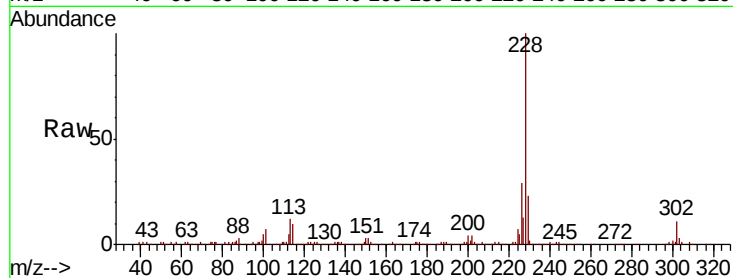




#83
Chrysene
Concen: 10.902 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

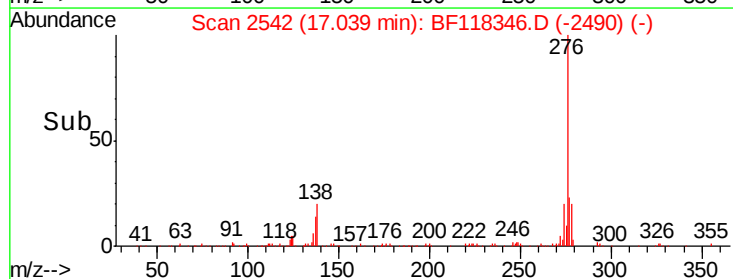
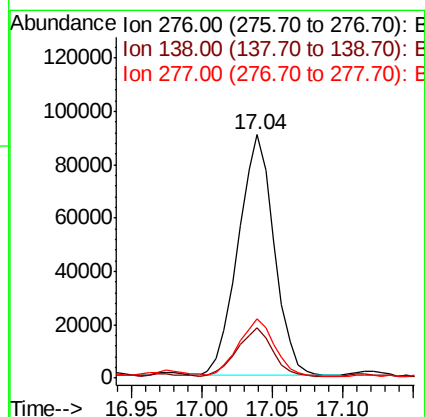
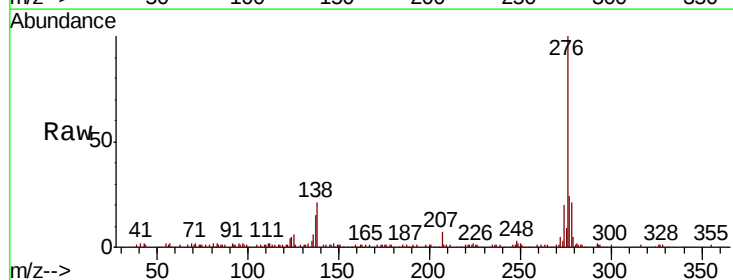
Instrument :
BNA_F
ClientSampleId :

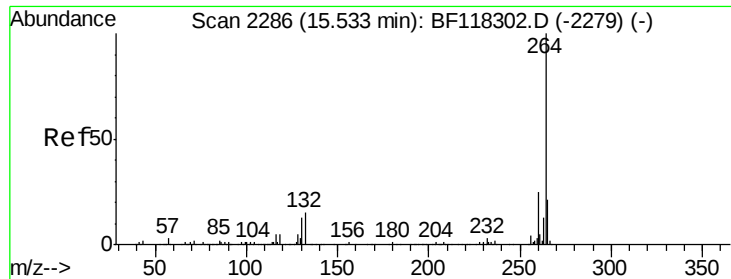
Tot	Ion:228	Resp:	238847
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	22.8	16.1	24.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.545 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt	Ion:276	Resp:	159517
Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.5	29.3
277	24.5	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampleId :

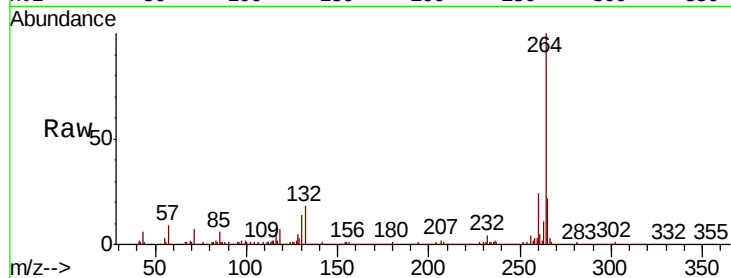
Tot Ion:264 Resp: 375271

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

265 22.2 17.0 25.4

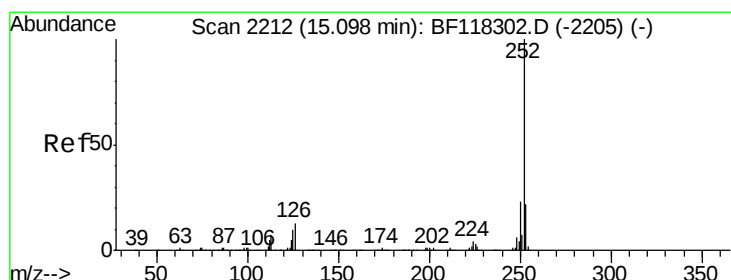
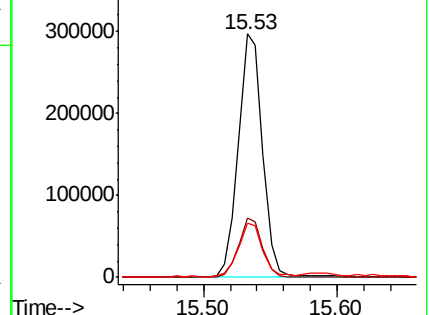
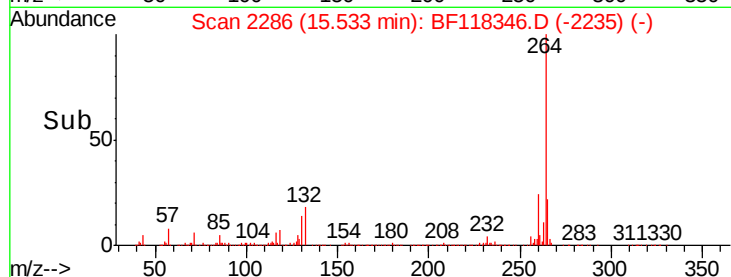


Abundance

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: 18.042 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.00 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

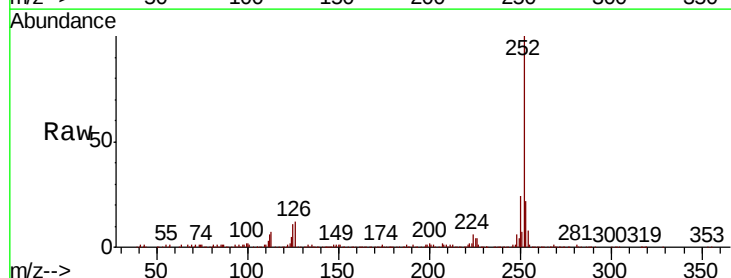
Tgt Ion:252 Resp: 449423

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.6 7.7 11.5

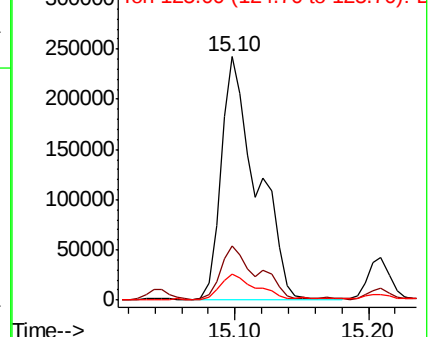
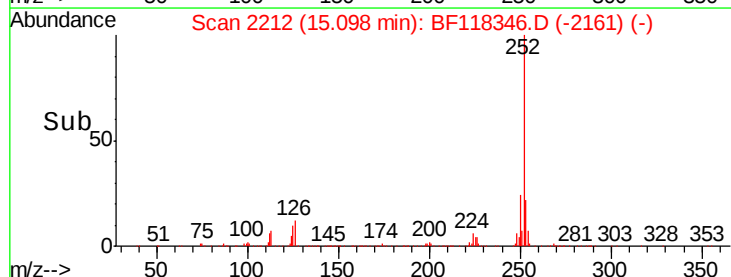


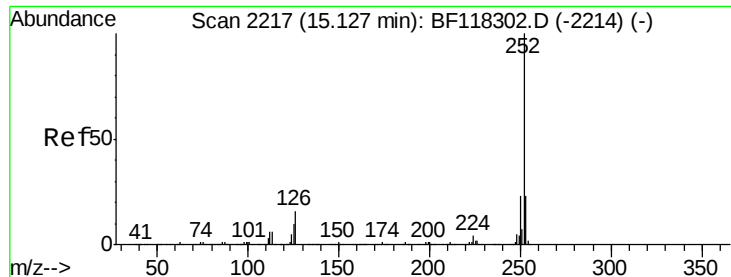
Abundance

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

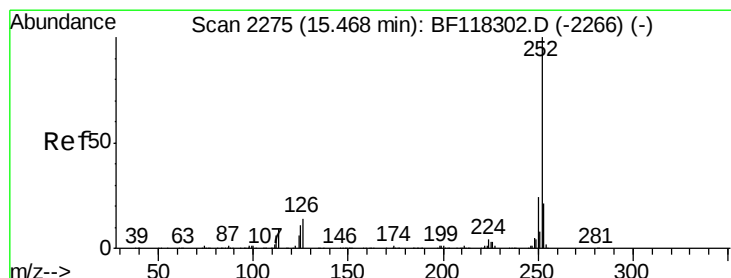
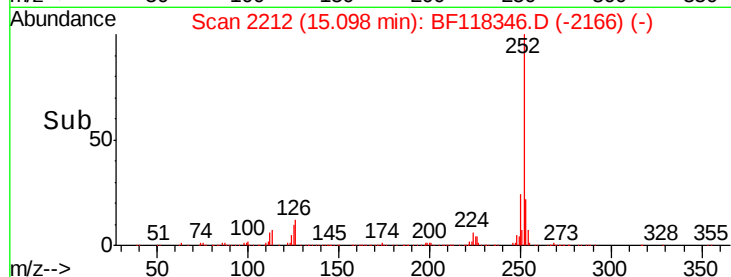
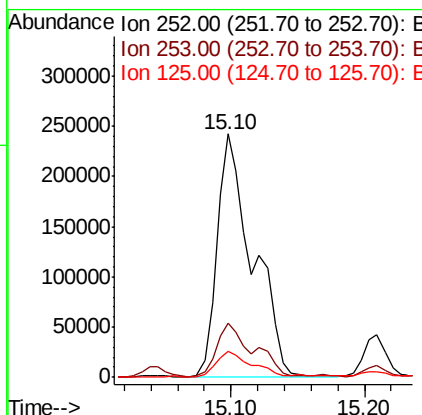
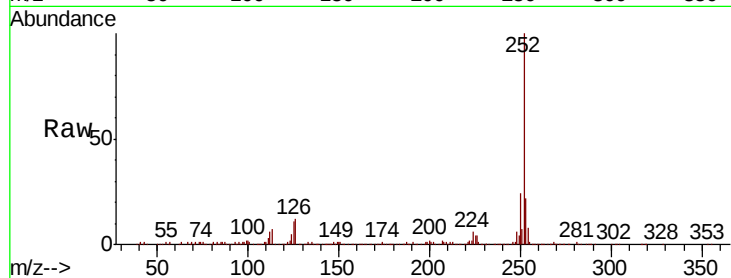




#89
Benzo(k)fluoranthene
Concen: 18.790 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

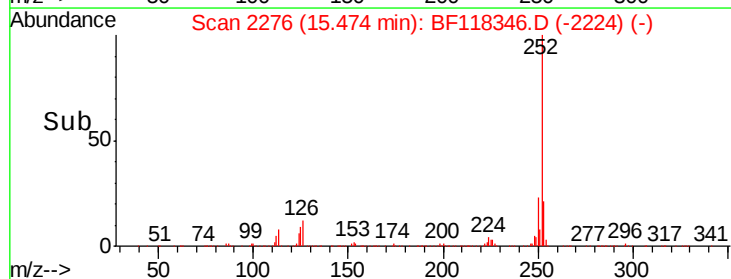
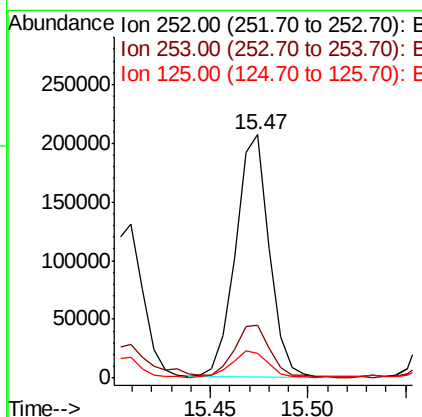
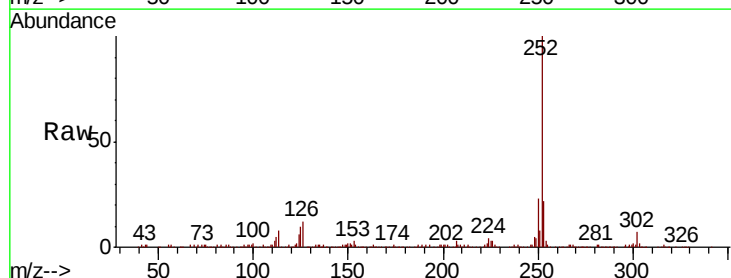
Instrument :
BNA_F
ClientSampleId :

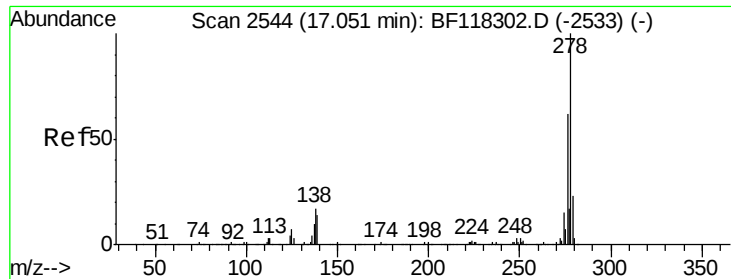
Tot Ion:252 Resp: 449423
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 10.6 8.0 12.0



#90
Benzo(a)pyrene
Concen: 11.287 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118346.D
Acq: 27 Dec 2019 19:08

Tgt Ion:252 Resp: 247681
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 9.9 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 2.126 ng

RT: 17.04 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

Instrument :

BNA_F

ClientSampled :

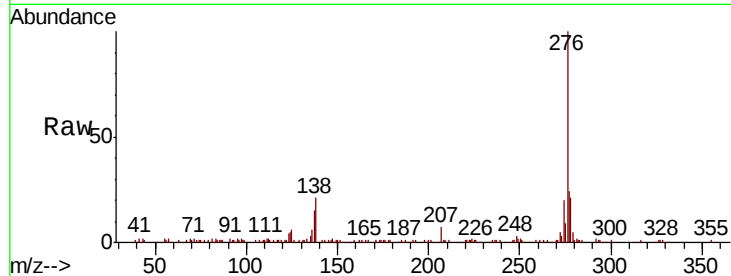
Tot Ion:278 Resp: 40478

Ion Ratio Lower Upper

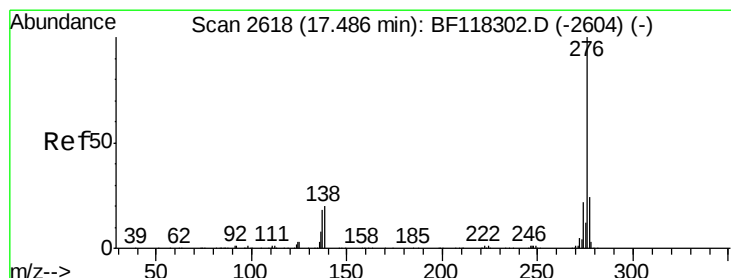
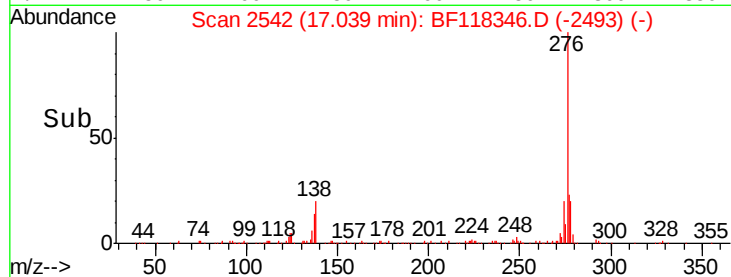
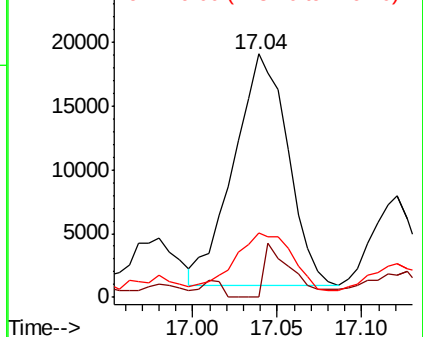
278 100

139 0.0 11.5 17.3#

279 26.2 18.3 27.5



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(g,h,i)perylene

Concen: 8.034 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.01 min

Lab File: BF118346.D

Acq: 27 Dec 2019 19:08

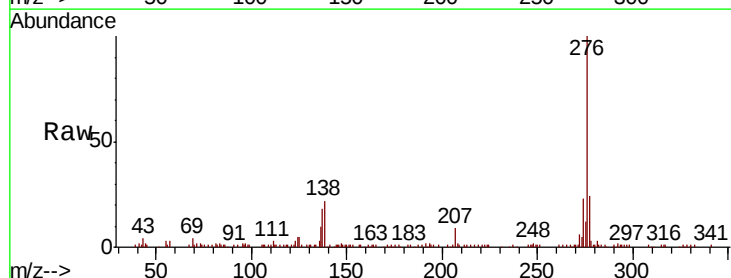
Tgt Ion:276 Resp: 147789

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 21.8 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

