

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113137.D
 Acq On : 19 Mar 2019 20:40
 Operator : JU/SJ
 Sample : K1693-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-A

Quant Time: Mar 20 01:49:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	139657	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	492436	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	220338	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	374661	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	297351	20.00	ng	0.00
87) Perylene-d12	15.27	264	240074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	198802	22.14	ng	-0.01
7) Phenol-d6	6.36	99	285607	25.32	ng	-0.01
23) Nitrobenzene-d5	7.28	82	134155	16.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	58335	24.94	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	261276	15.09	ng	-0.01
79) Terphenyl-d14	12.82	244	214589	13.99	ng	0.00

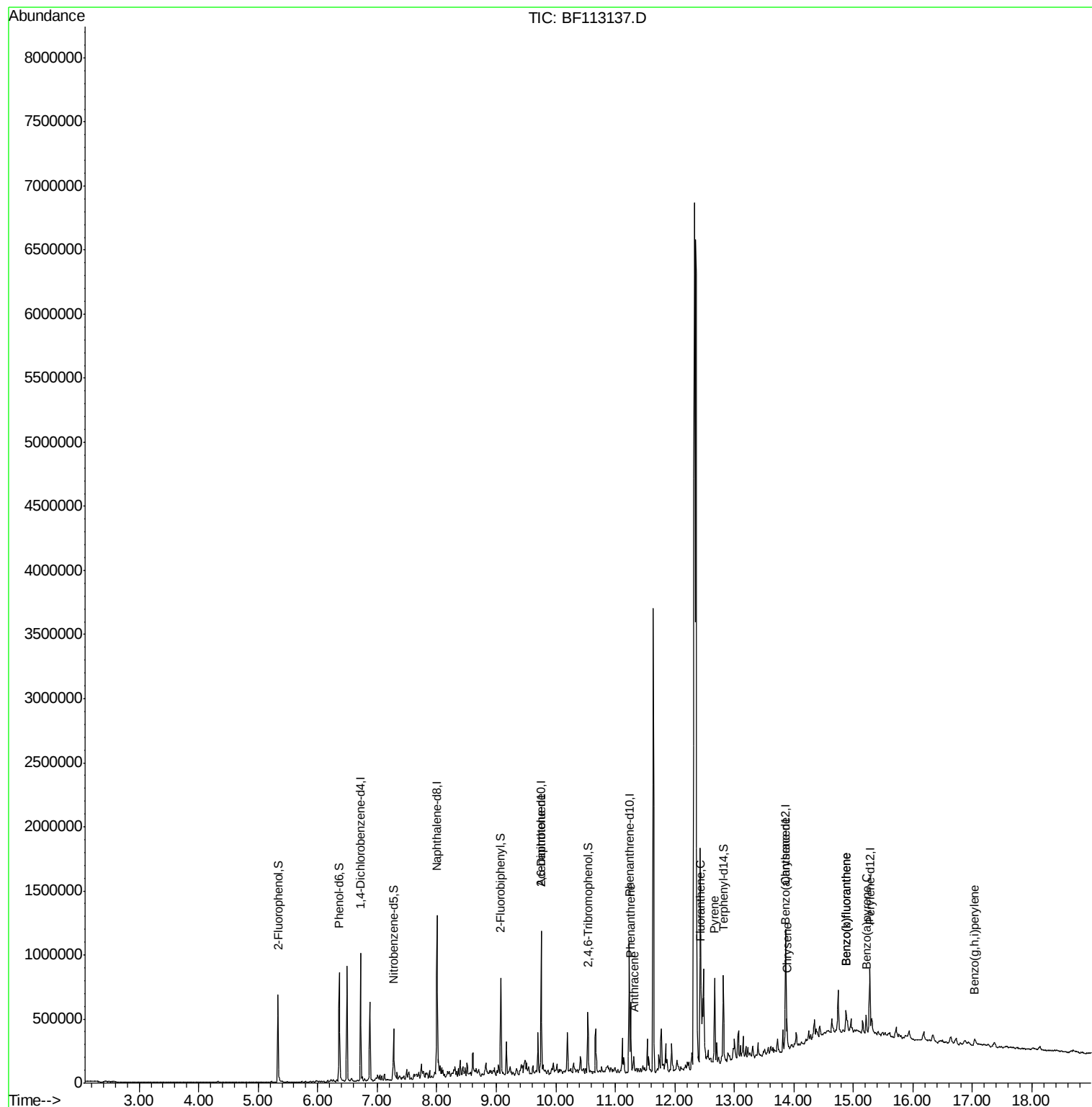
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	9.76	165	30774	9.096	ng	# 18
71) Phenanthrene	11.26	178	183692	9.854	ng	98
72) Anthracene	11.31	178	46202	2.368	ng	98
75) Fluoranthene	12.45	202	232704	11.652	ng	94
78) Pyrene	12.67	202	279026	11.131	ng	98
81) Benzo(a)anthracene	13.85	228	101659	4.933	ng	93
83) Chrysene	13.89	228	101281	5.017	ng	96
88) Benzo(b)fluoranthene	14.87	252	116231	7.485	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	116231	8.263	ng	# 95
90) Benzo(a)pyrene	15.22	252	67133	4.888	ng	98
92) Benzo(g,h,i)perylene	17.04	276	31602	2.685	ng	97

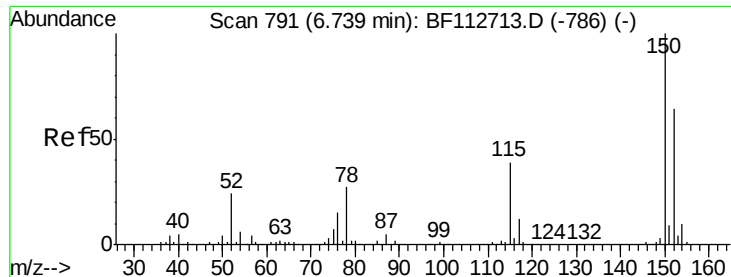
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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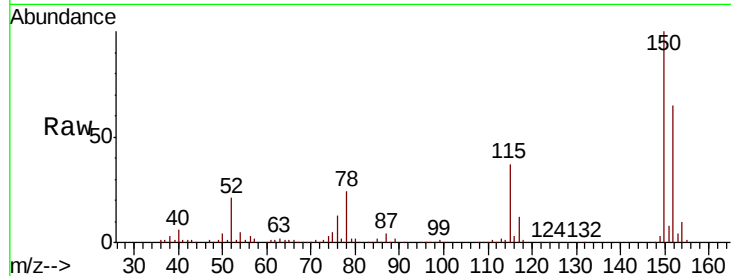


#1

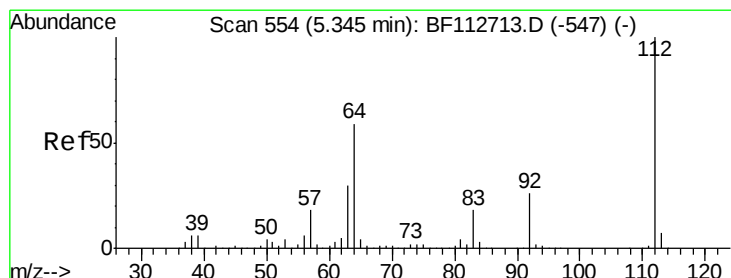
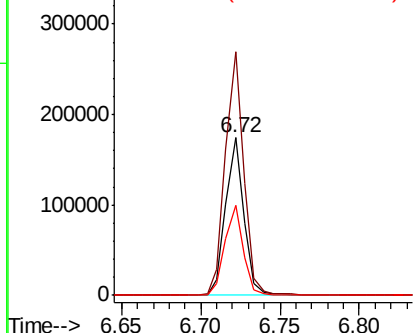
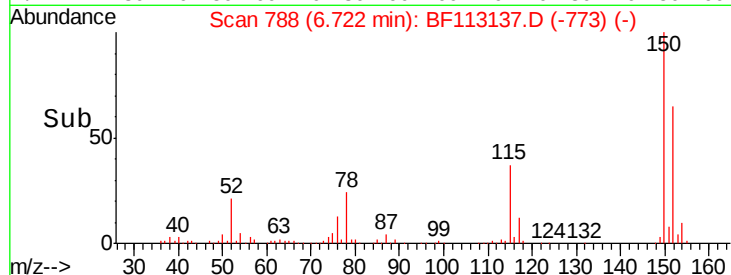
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-031819-A

Tgt Ion:152 Resp: 139657
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.2 186.2
 115 56.8 48.2 72.4



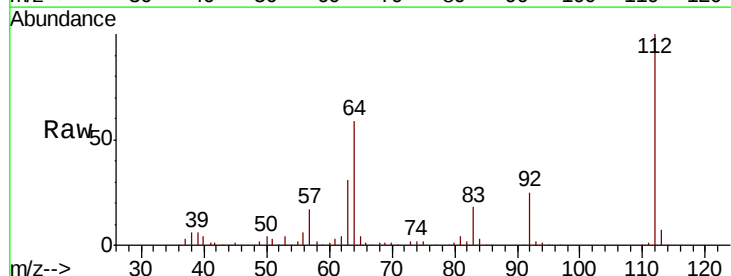
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



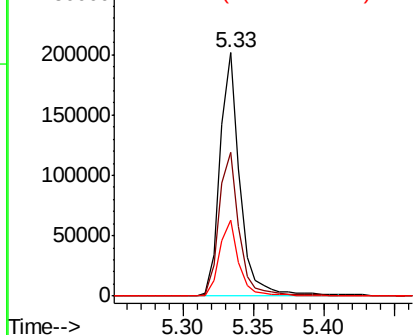
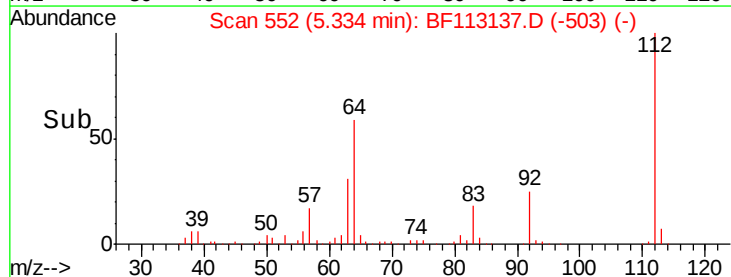
#5

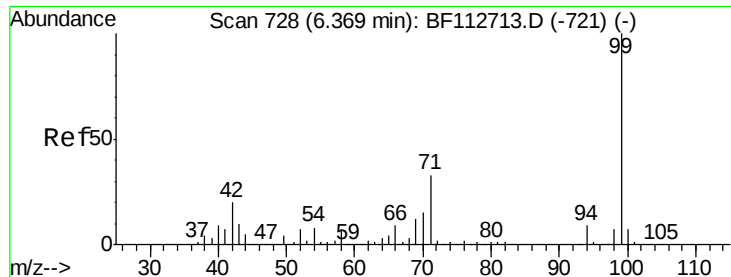
2-Fluorophenol
 Concen: 22.143 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Tgt Ion:112 Resp: 198802
 Ion Ratio Lower Upper
 112 100
 64 58.9 47.6 71.4
 63 31.0 24.4 36.6



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: 25.325 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-A

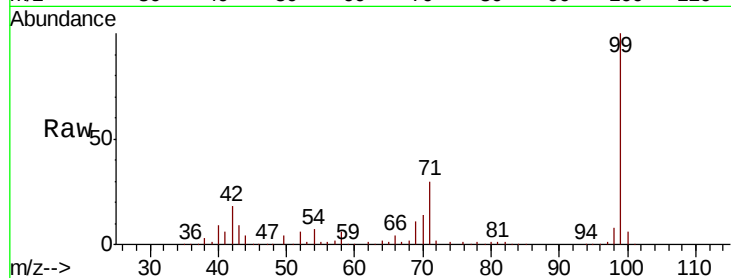
Tgt Ion: 99 Resp: 285607

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

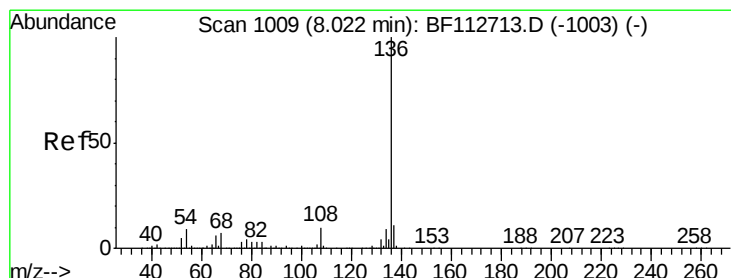
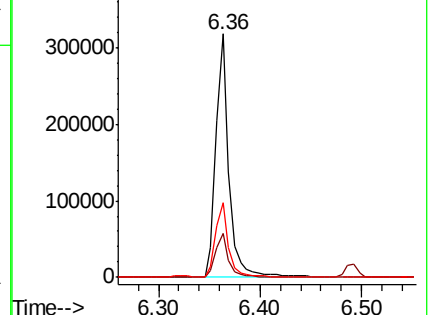
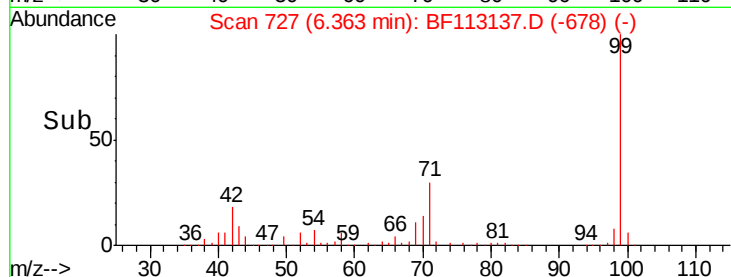
71 30.5 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion: 136 Resp: 492436

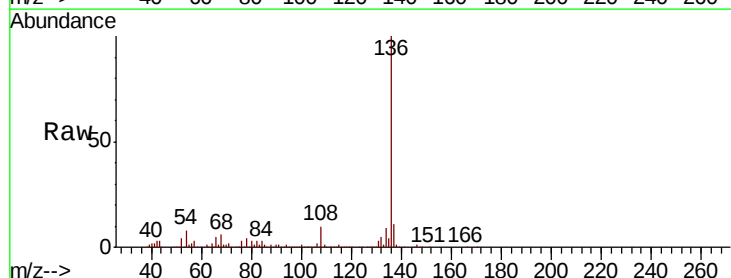
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 7.3 10.9

68 5.9 5.4 8.2

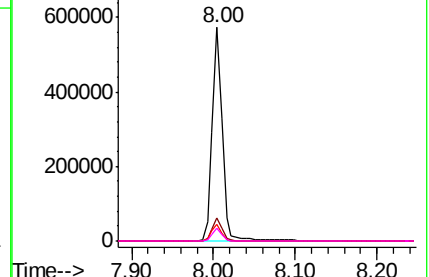
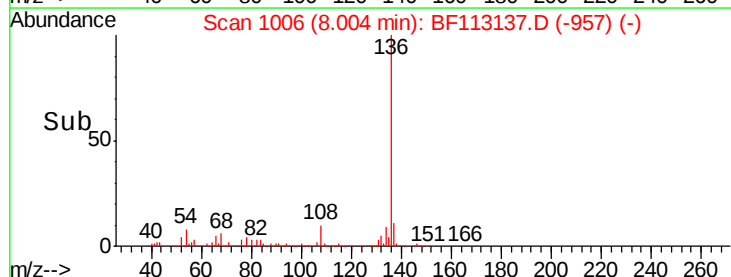


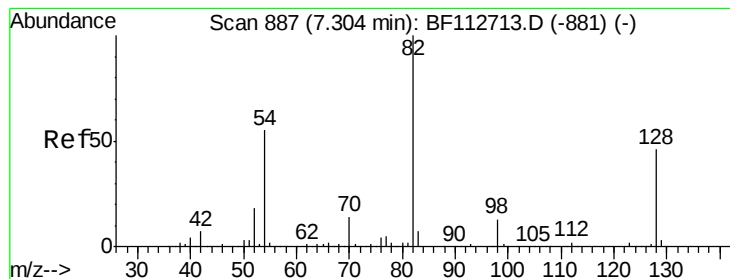
Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.302 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

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OR-03-031819-A

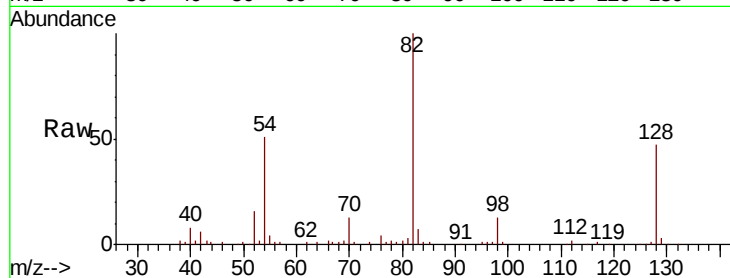
Tgt Ion: 82 Resp: 134155

Ion Ratio Lower Upper

82 100

128 47.3 36.3 54.5

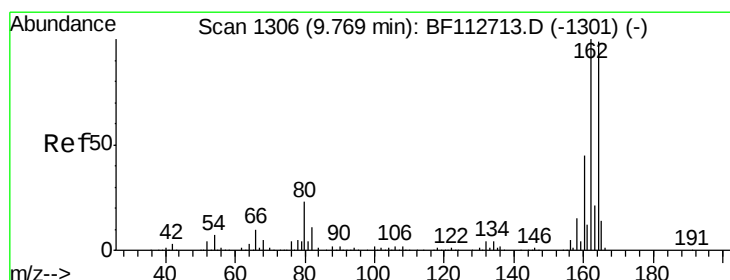
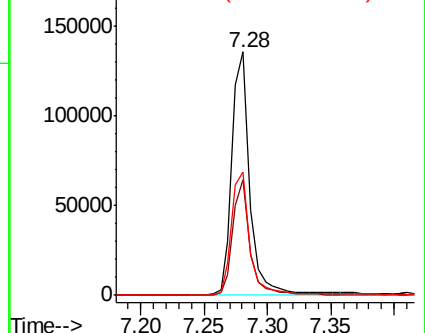
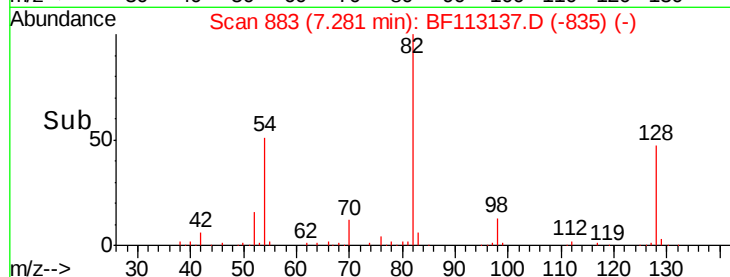
54 50.8 43.7 65.5



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

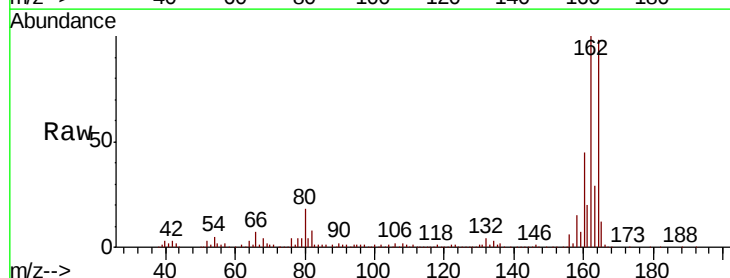
Tgt Ion: 164 Resp: 220338

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

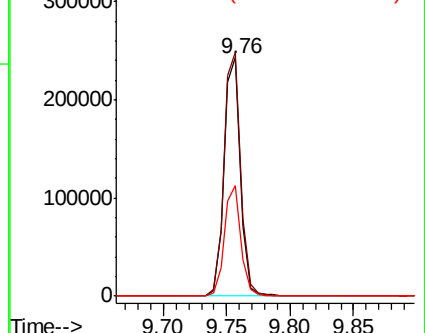
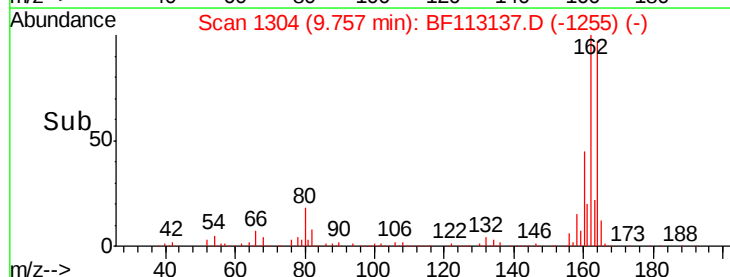
160 46.2 36.0 54.0

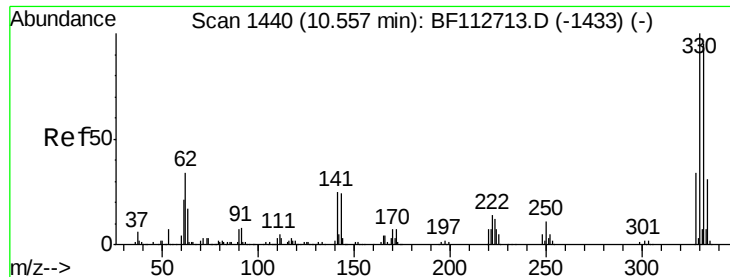


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

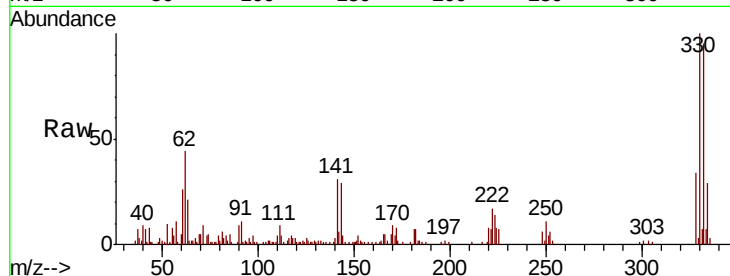




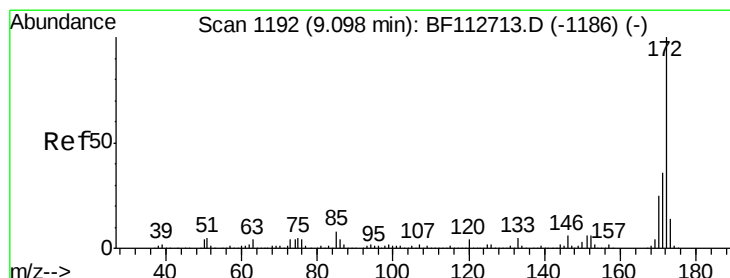
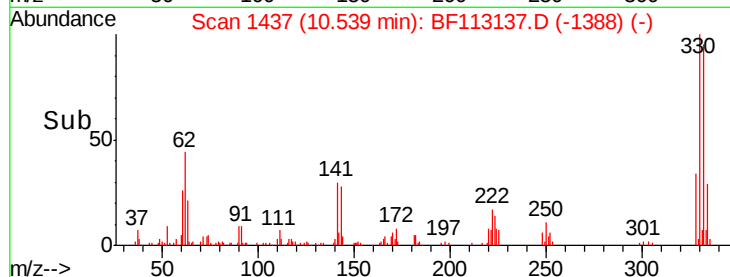
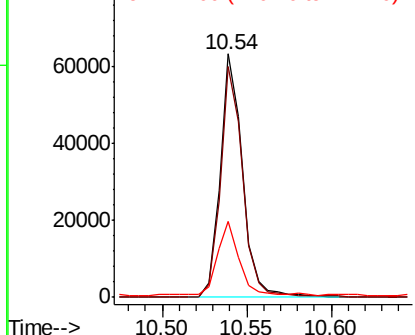
#42
 2,4,6-Tribromophenol
 Concen: 24.938 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Instrument :
 BNA_F
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 OR-03-031819-A

Tgt Ion:330 Resp: 58335
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.2 114.4
 141 31.9 27.0 40.6

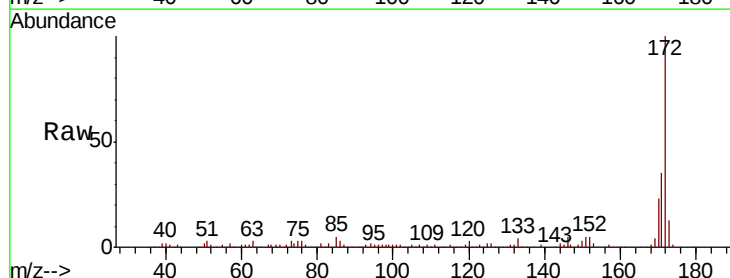


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

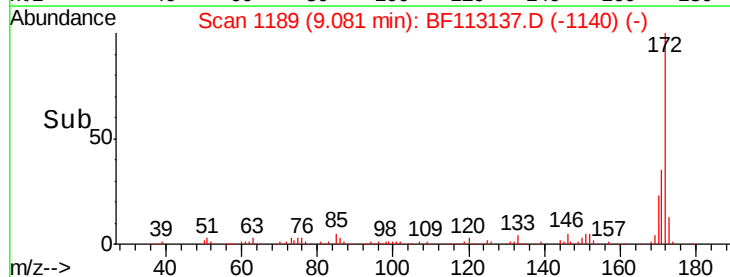
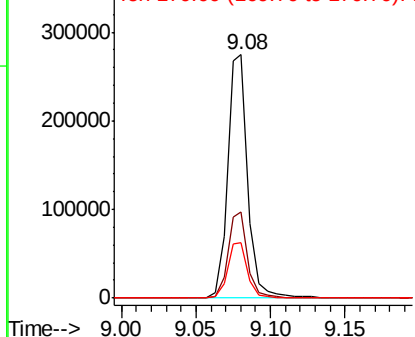


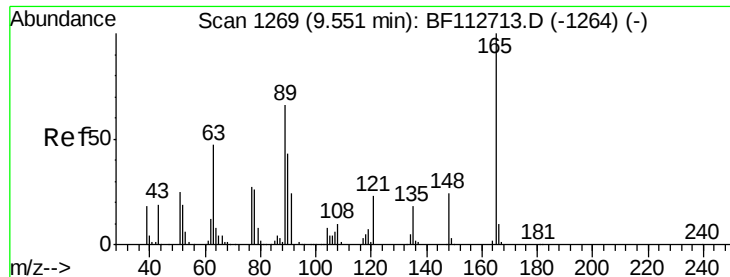
#45
 2-Fluorobiphenyl
 Concen: 15.089 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Tgt Ion:172 Resp: 261276
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.4
 170 23.0 20.0 30.0



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

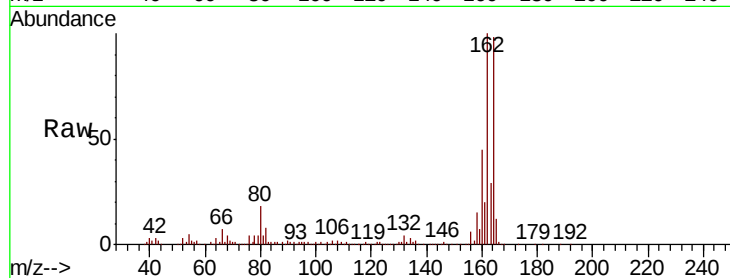




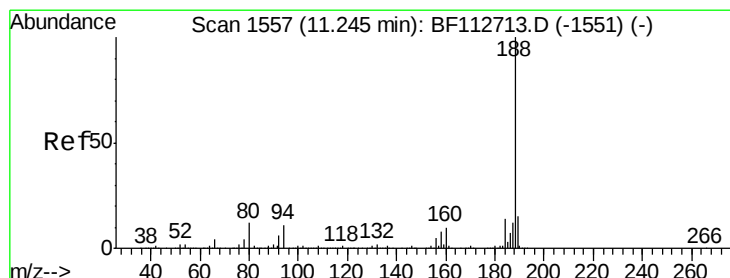
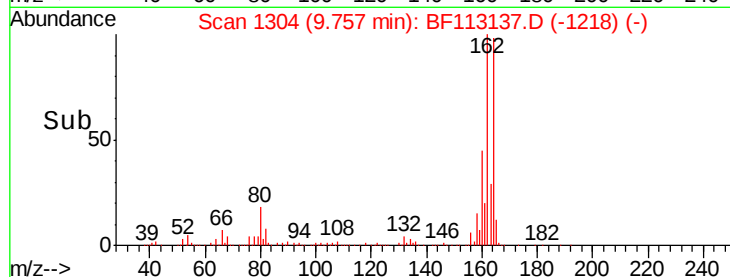
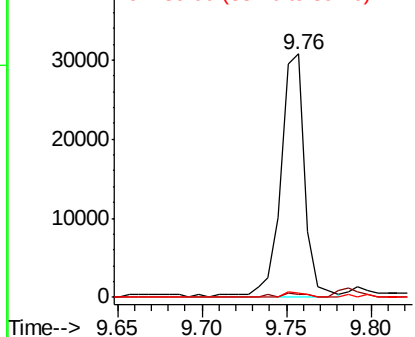
#51
 2,6-Dinitrotoluene
 Concen: 9.096 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

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Tgt Ion:165 Resp: 30774
 Ion Ratio Lower Upper
 165 100
 63 1.4 54.1 81.1#
 89 1.7 52.8 79.2#

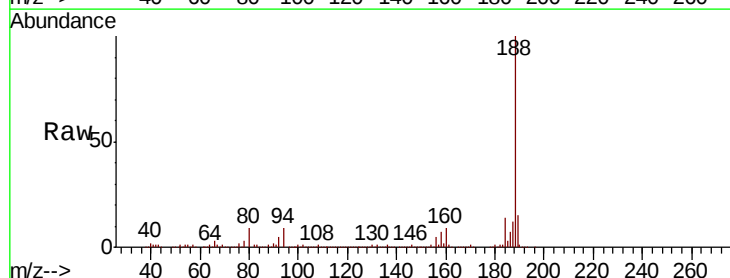


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

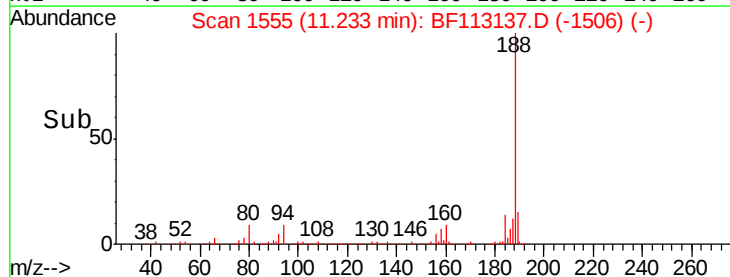
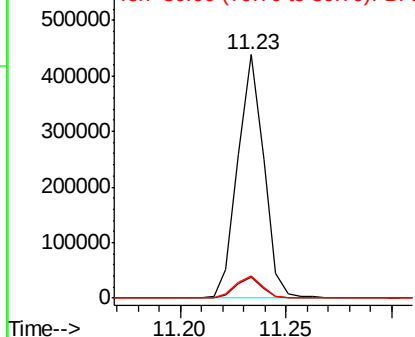


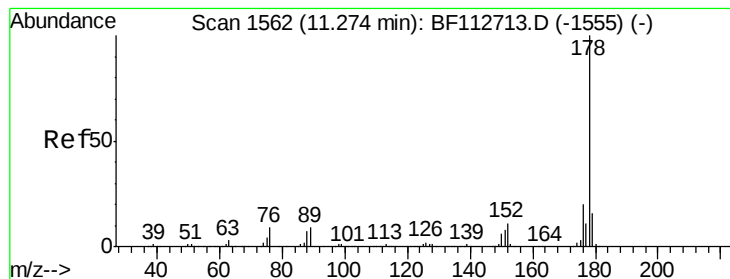
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113137.D
 Acq: 19 Mar 2019 20:40

Tgt Ion:188 Resp: 374661
 Ion Ratio Lower Upper
 188 100
 94 8.8 9.0 13.4#
 80 9.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.854 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

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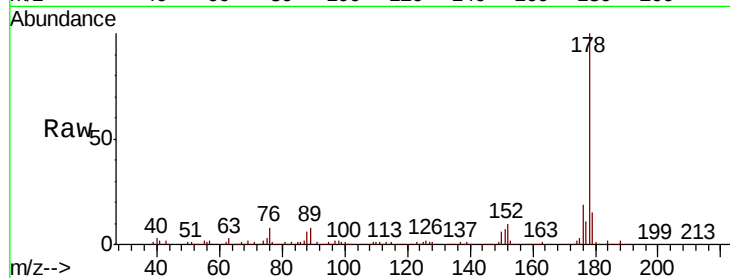
Tgt Ion:178 Resp: 183692

Ion Ratio Lower Upper

178 100

176 19.4 16.3 24.5

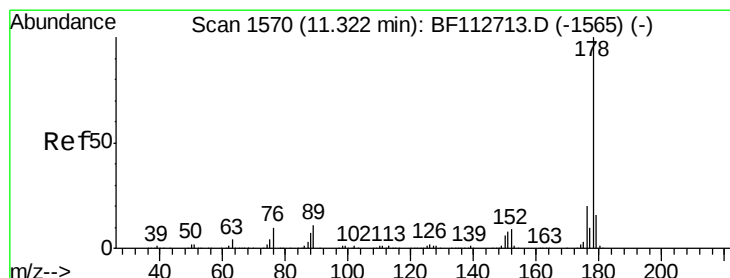
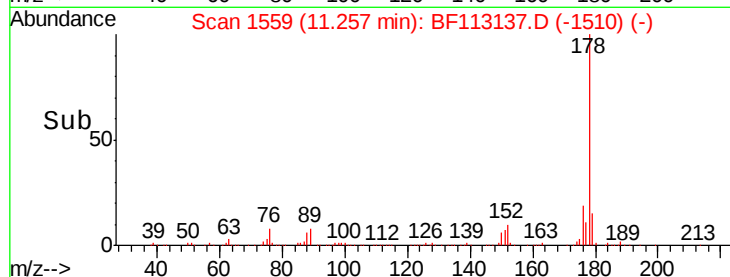
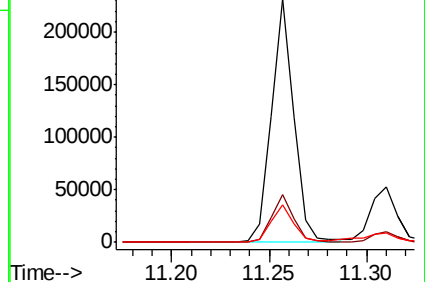
179 15.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.368 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

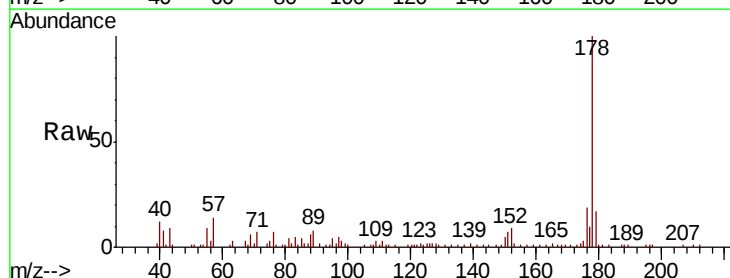
Tgt Ion:178 Resp: 46202

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

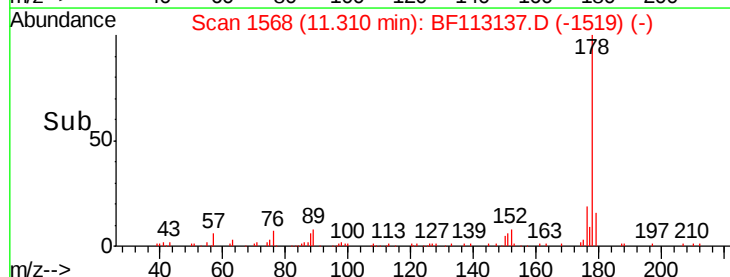
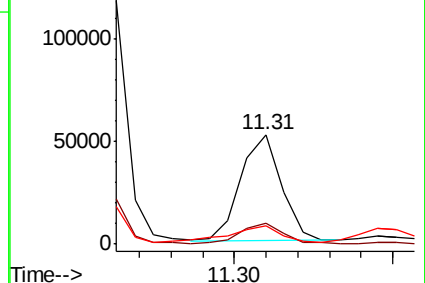
179 17.0 13.0 19.6

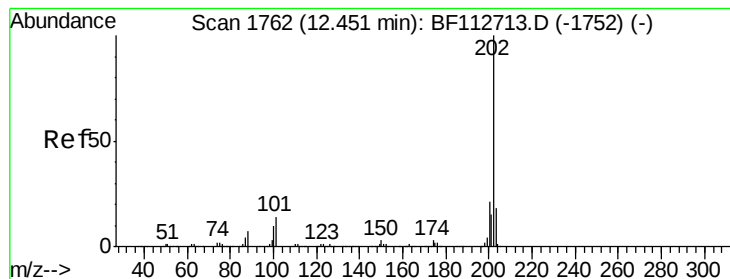


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.652 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113137.D

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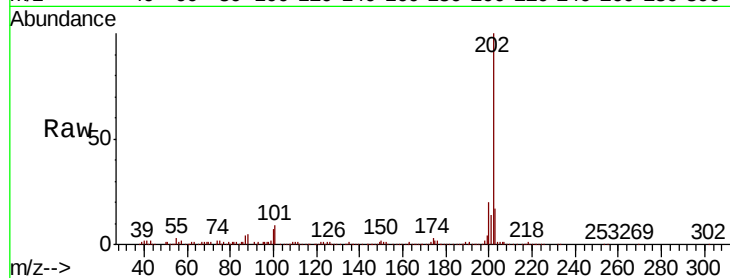
Tgt Ion:202 Resp: 232704

Ion Ratio Lower Upper

202 100

101 9.5 0.0 33.8

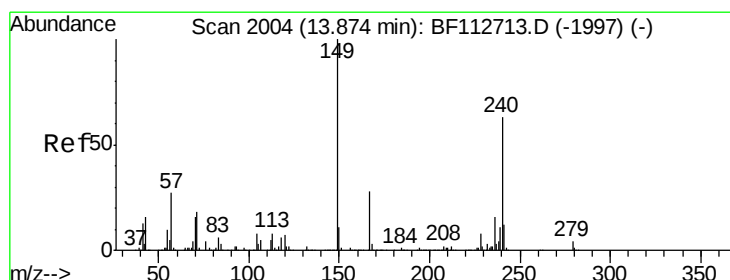
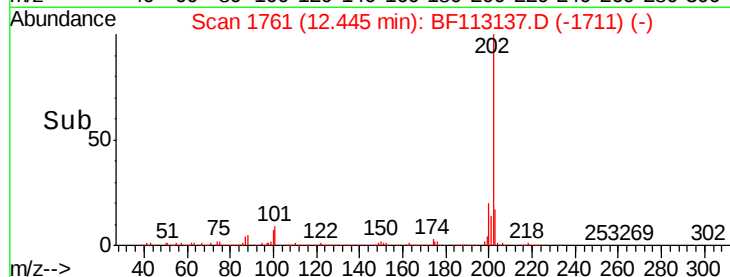
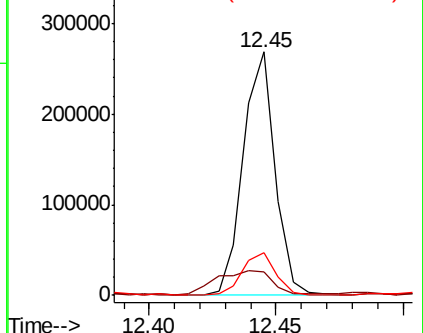
203 17.5 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

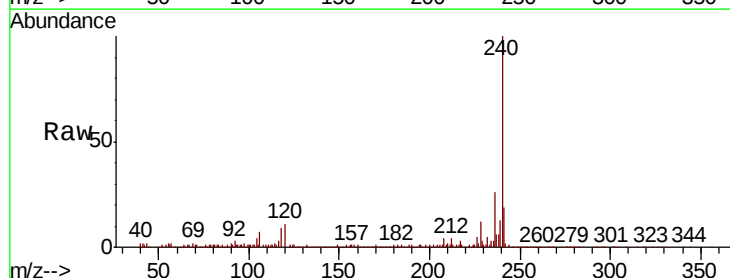
Tgt Ion:240 Resp: 297351

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

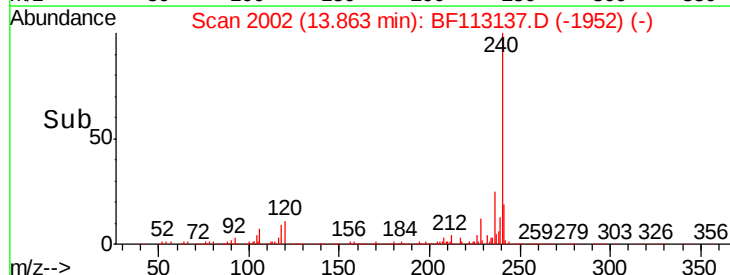
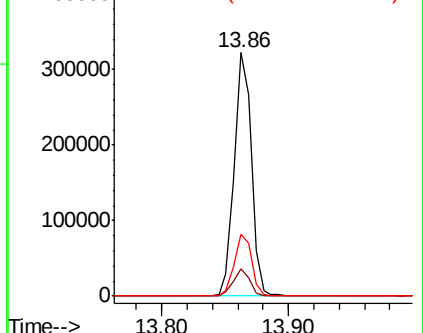
236 25.5 20.7 31.1

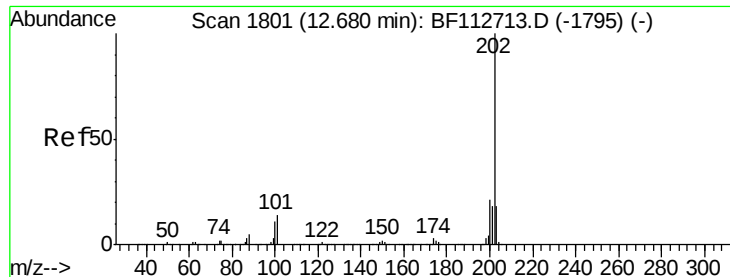


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 11.131 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-A

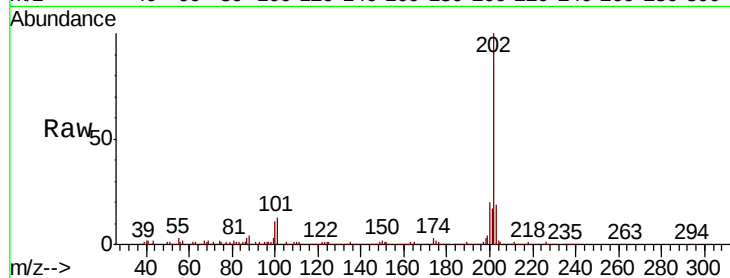
Tgt Ion:202 Resp: 279026

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

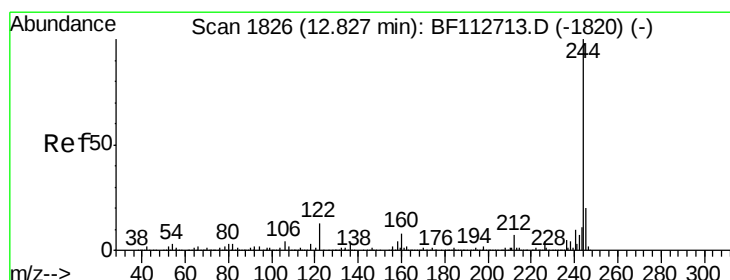
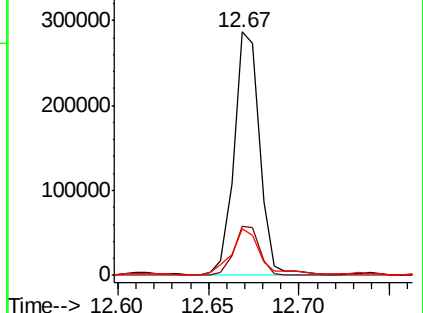
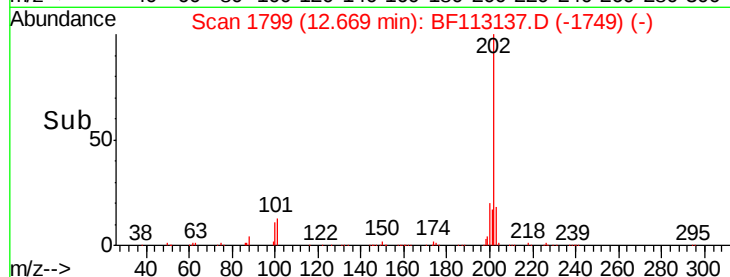
203 19.0 14.4 21.6



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: 13.990 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

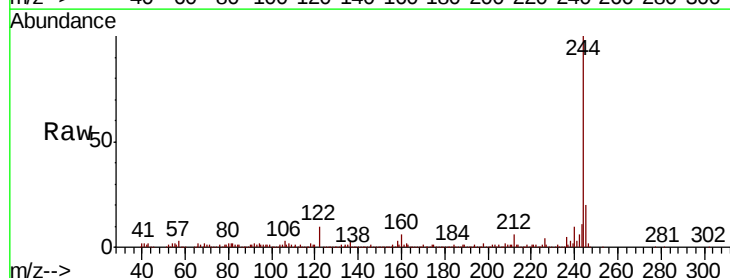
Tgt Ion:244 Resp: 214589

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

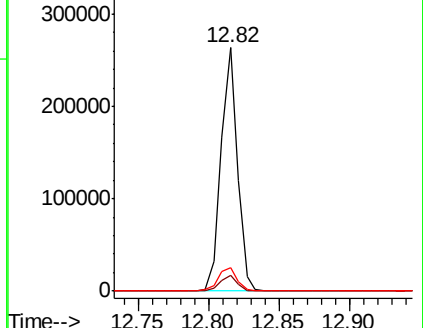
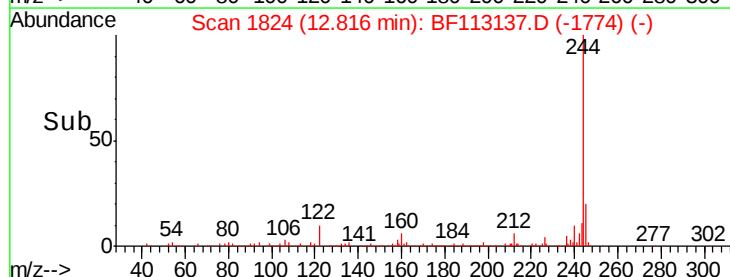
122 9.8 10.5 15.7#

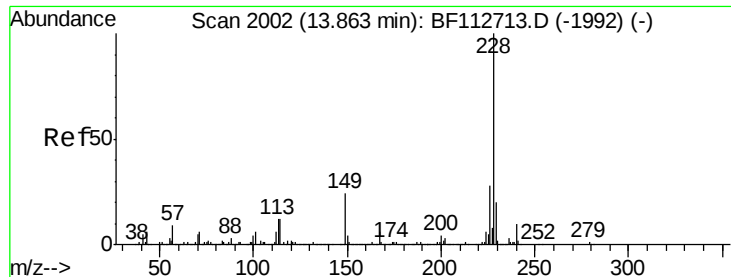


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.933 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-A

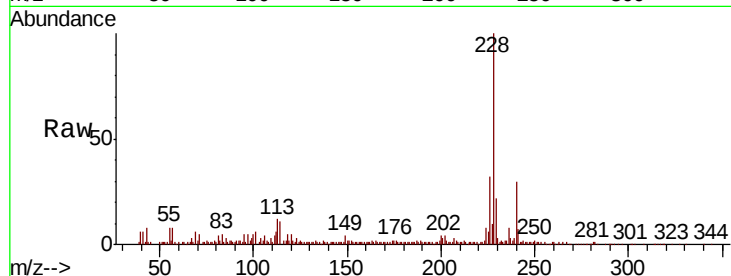
Tgt Ion:228 Resp: 101659

Ion Ratio Lower Upper

228 100

226 32.2 22.2 33.4

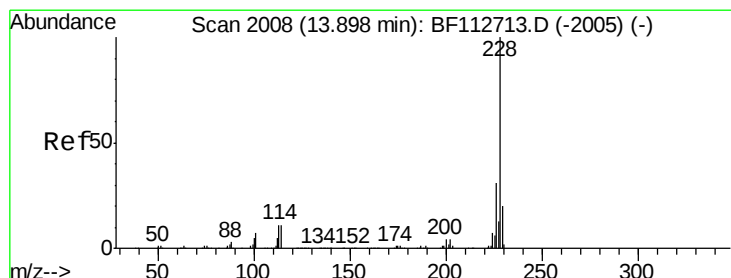
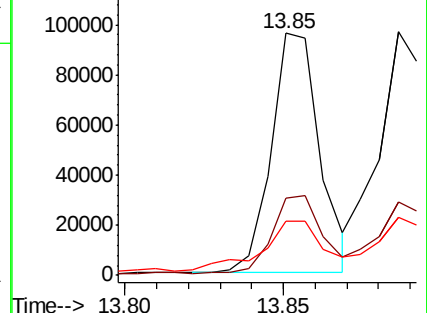
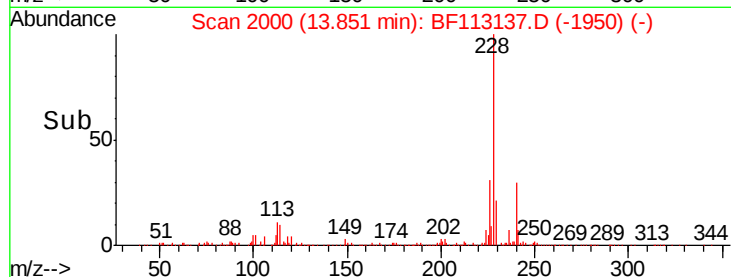
229 22.2 16.0 24.0



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: 5.017 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

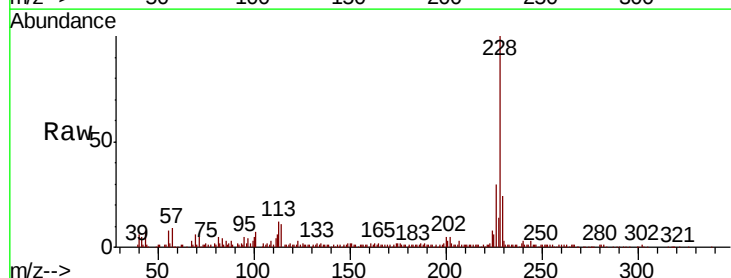
Tgt Ion:228 Resp: 101281

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

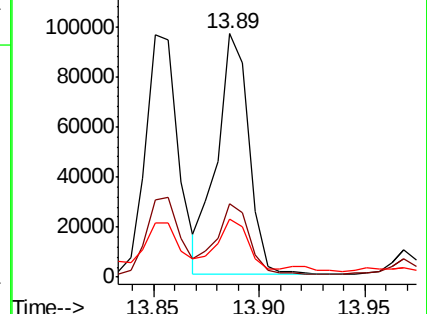
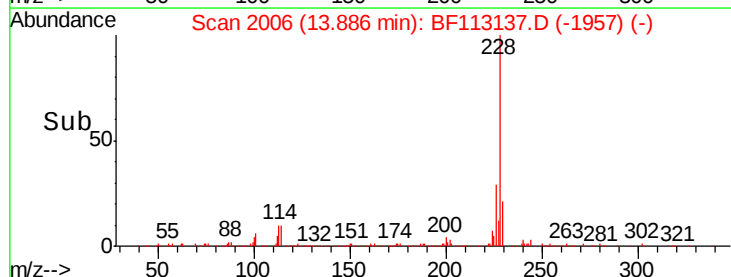
229 23.6 16.3 24.5

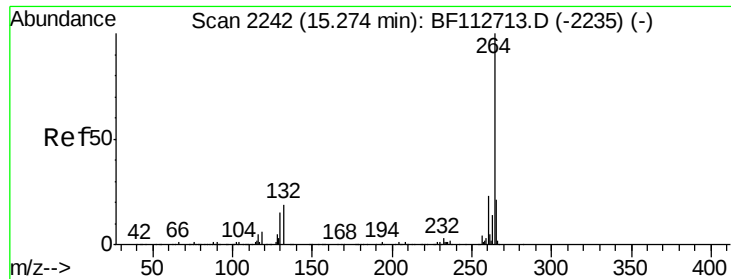


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

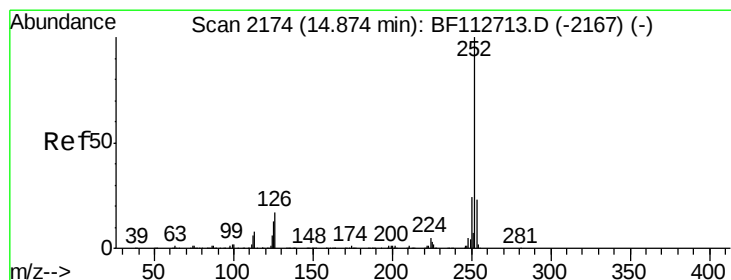
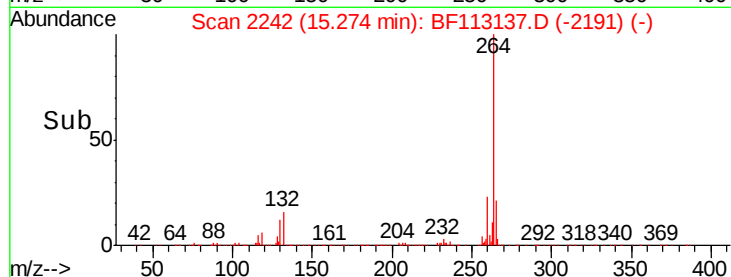
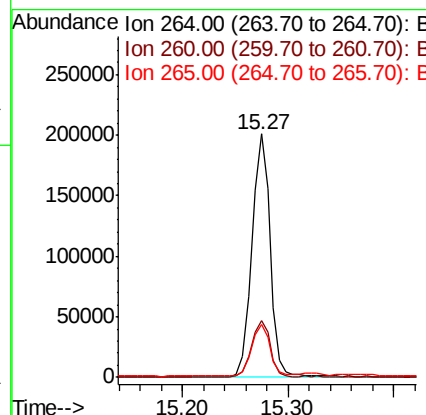
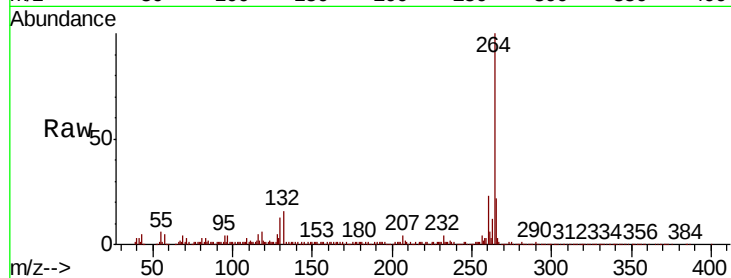




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

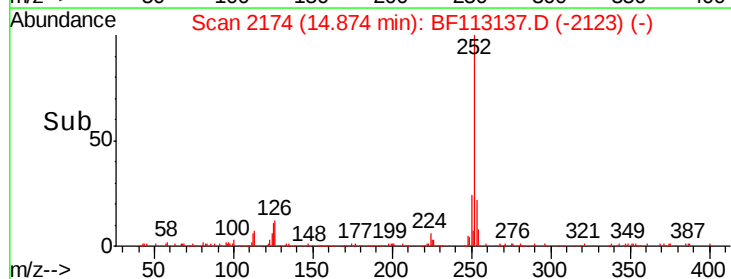
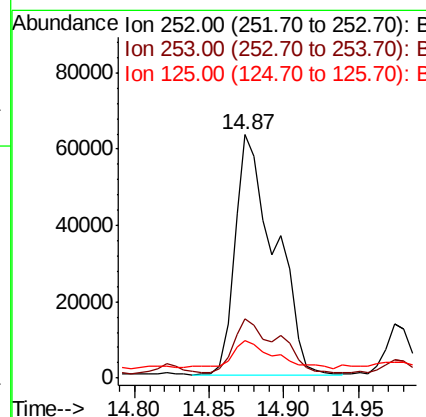
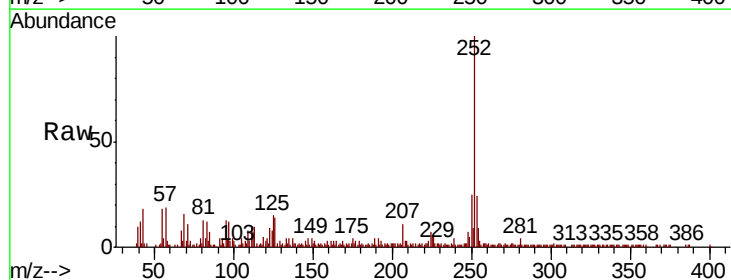
Instrument :
BNA_F
ClientSampleId :
OR-03-031819-A

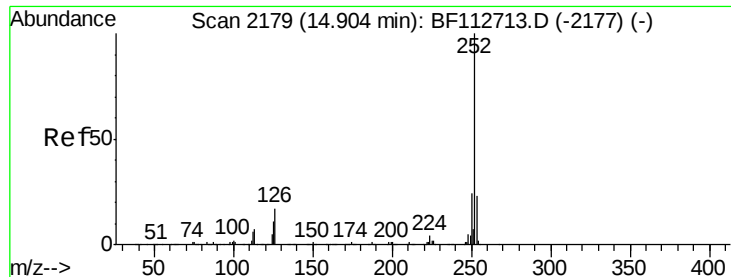
Tgt Ion:264 Resp: 240074
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.6 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.485 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113137.D
Acq: 19 Mar 2019 20:40

Tgt Ion:252 Resp: 116231
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 15.4 10.2 15.2#





#89

Benzo(k)fluoranthene

Concen: 8.263 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

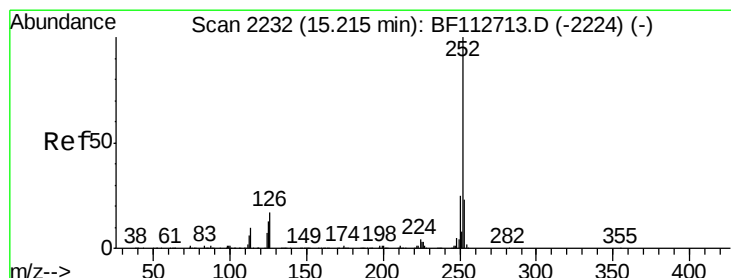
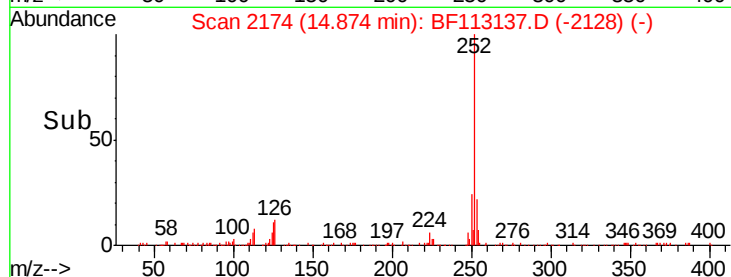
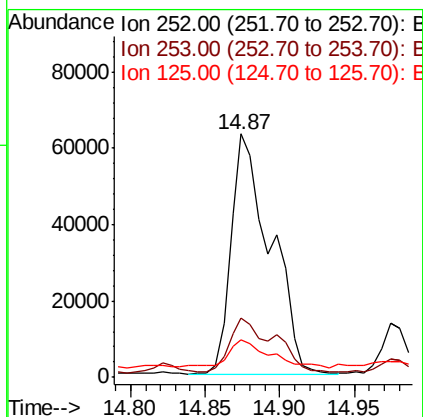
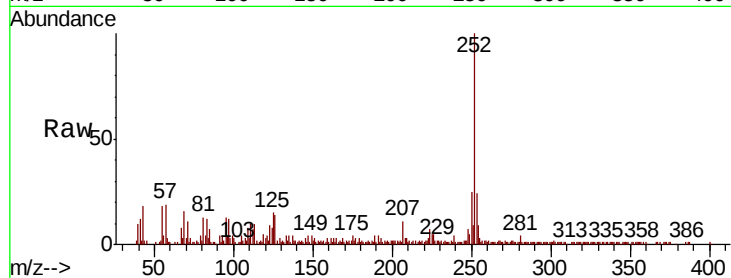
Instrument :

BNA_F

ClientSampleId :

OR-03-031819-A

Tgt Ion:	252	Resp:	116231
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	15.4	9.8	14.6#



#90

Benzo(a)pyrene

Concen: 4.888 ng

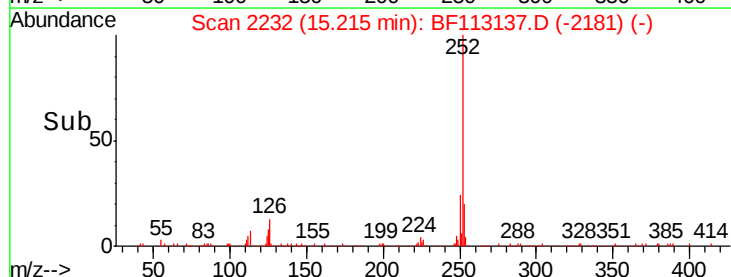
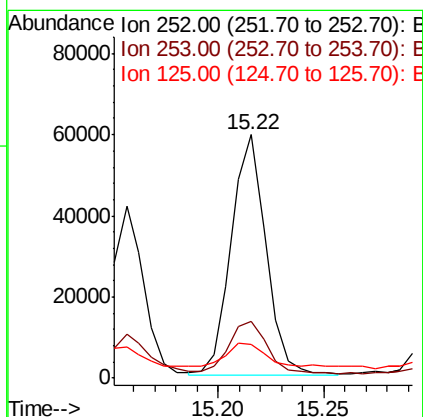
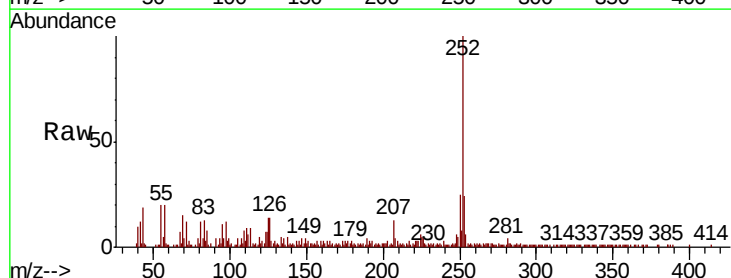
RT: 15.22 min Scan# 2232

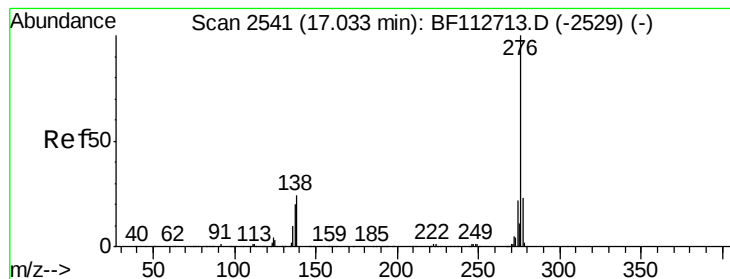
Delta R.T. -0.00 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Tgt Ion:	252	Resp:	67133
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.6	10.7	16.1





#92

Benzo(g,h,i)perylene

Concen: 2.685 ng

RT: 17.04 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BF113137.D

Acq: 19 Mar 2019 20:40

Instrument :

BNA_F

ClientSampleId :

OR-03-031819-A

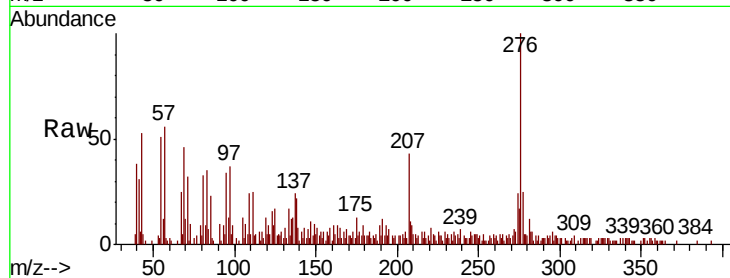
Tgt Ion: 276 Resp: 31602

Ion Ratio Lower Upper

276 100

277 24.7 18.6 27.8

138 22.4 19.4 29.0



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

