

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113867.D
 Acq On : 19 Apr 2019 19:05
 Operator : JU/SJ
 Sample : K2199-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

Quant Time: Apr 19 23:25:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

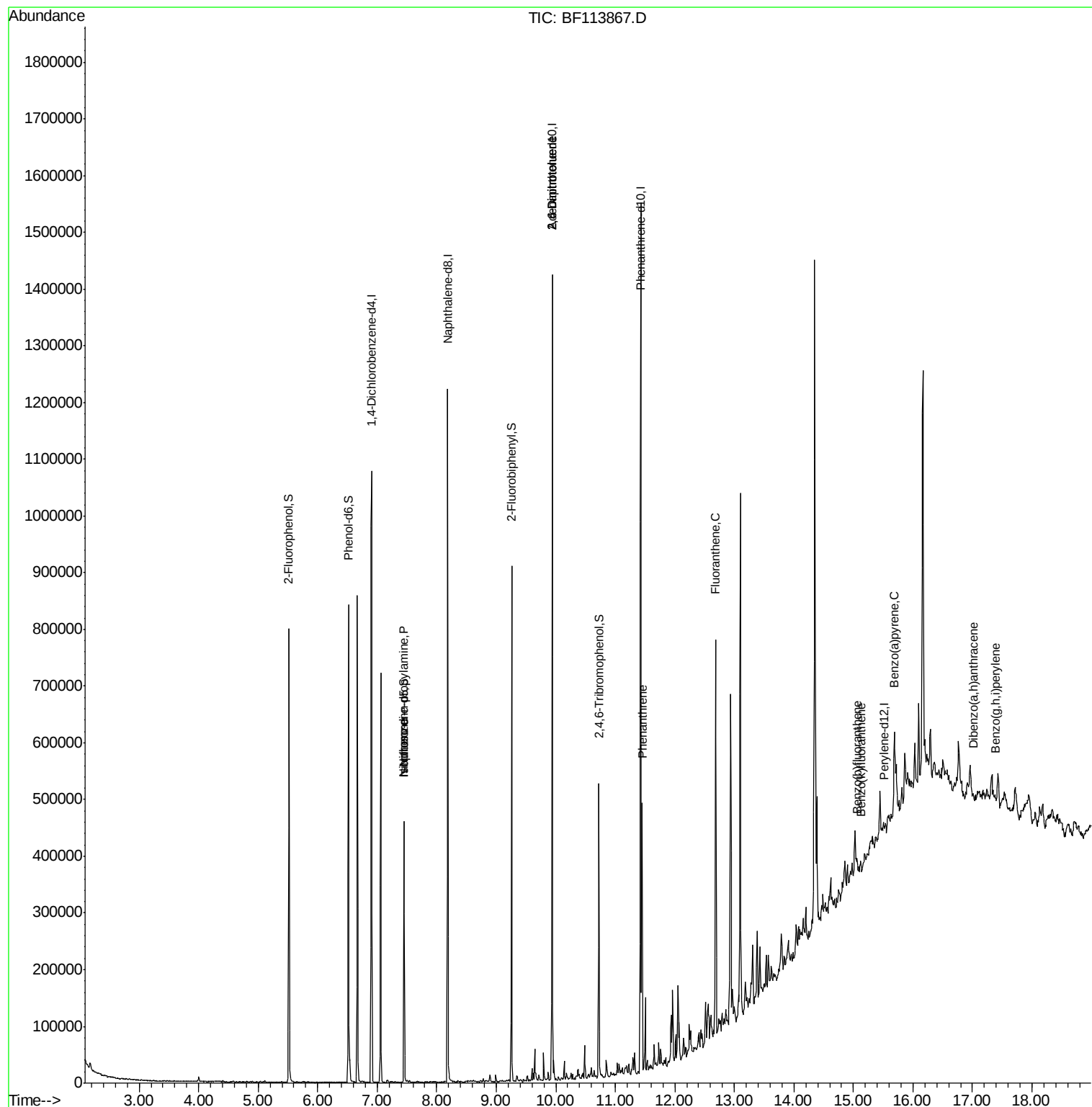
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	163674	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	558462	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	253416	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	512830	20.00	ng	0.02
76) Chrysene-d12	0.00	240	0	0.00	ng	-14.04
87) Perylene-d12	15.52	264	235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	211914	21.53	ng	0.00
7) Phenol-d6	6.52	99	269328	21.94	ng	0.00
23) Nitrobenzene-d5	7.45	82	130237	14.20	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	63330	22.62	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	258897	15.58	ng	0.00
79) Terphenyl-d14	13.10	244	332242	0.00	ng	0.10
Target Compounds						
9) Benzaldehyde	6.52	77	412	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propylamine	7.45	70	16758	2.045	ng	# 80
25) Isophorone	7.45	82	130234	6.859	ng	# 65
51) 2,6-Dinitrotoluene	9.94	165	33155	8.471	ng	# 33
57) 2,4-Dinitrotoluene	9.94	165	33155	6.828	ng	# 29
71) Phenanthrene	11.45	178	165543	6.338	ng	97
75) Fluoranthene	12.69	202	279891	10.111	ng	97
88) Benzo(b)fluoranthene	15.06	252	1282	87.509	ng	# 1
89) Benzo(k)fluoranthene	15.13	252	1656	124.108	ng	# 1
90) Benzo(a)pyrene	15.69	252	100337	7745.671	ng	# 92
91) Dibenzo(a,h)anthracene	17.00	278	261	22.644	ng	# 1
92) Benzo(g,h,i)perylene	17.39	276	1103	94.151	ng	# 1

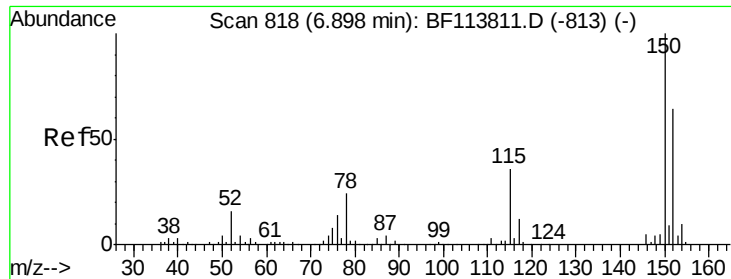
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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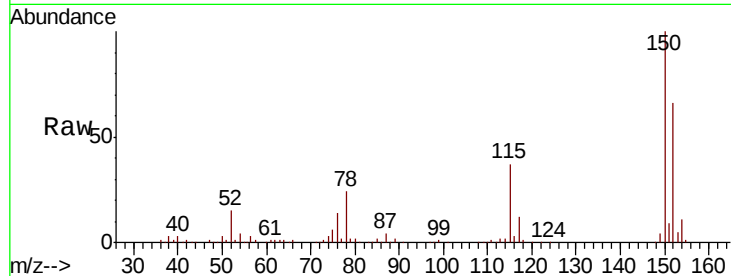




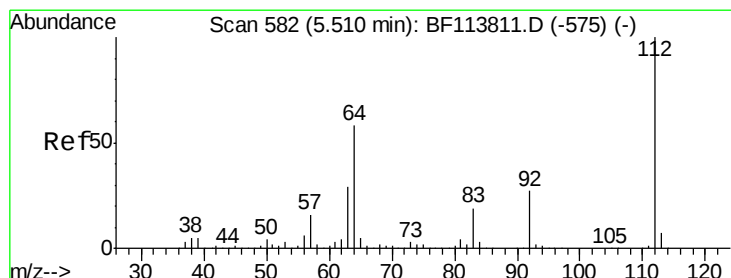
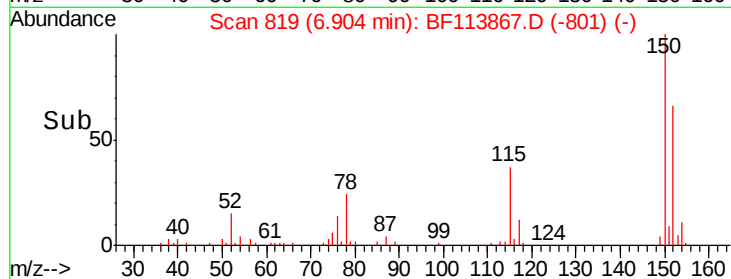
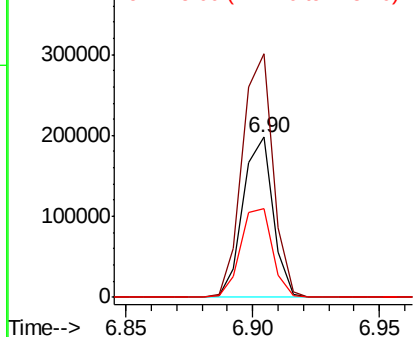
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

Tgt Ion:152 Resp: 163674
 Ion Ratio Lower Upper
 152 100
 150 151.8 125.9 188.9
 115 55.6 45.9 68.9

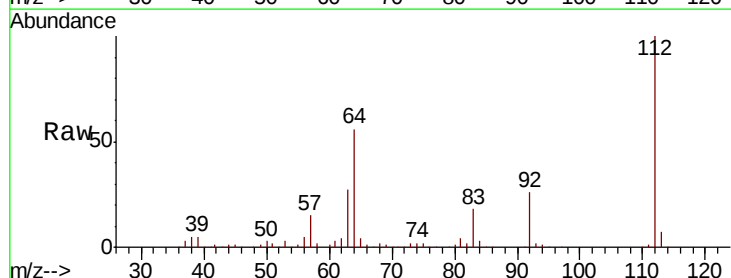


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

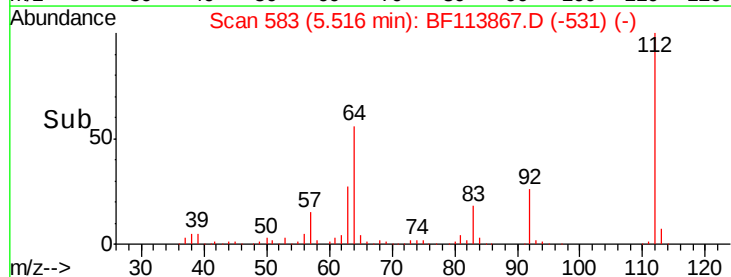
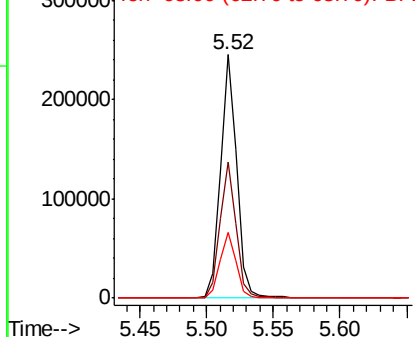


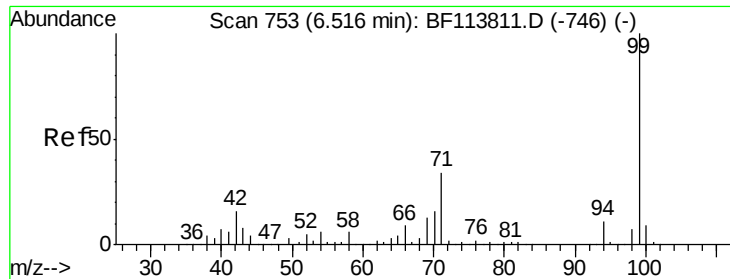
#5
 2-Fluorophenol
 Concen: 21.529 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Tgt Ion:112 Resp: 211914
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.6 69.8
 63 27.2 23.1 34.7



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: 21.940 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

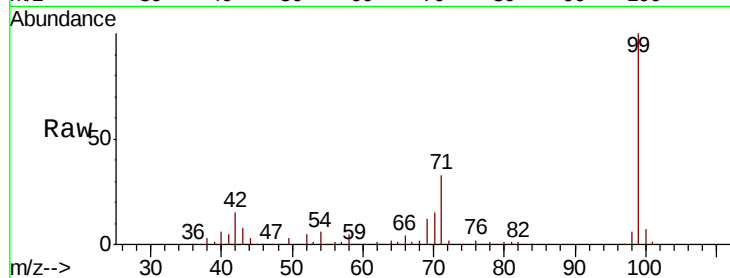
Tgt Ion: 99 Resp: 269328

Ion Ratio Lower Upper

99 100

42 14.6 12.5 18.7

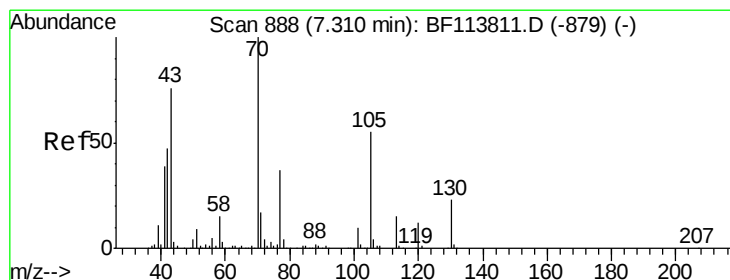
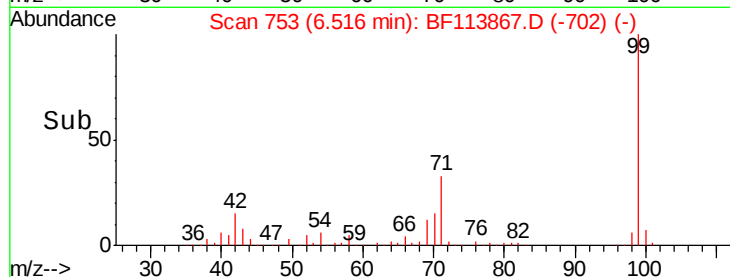
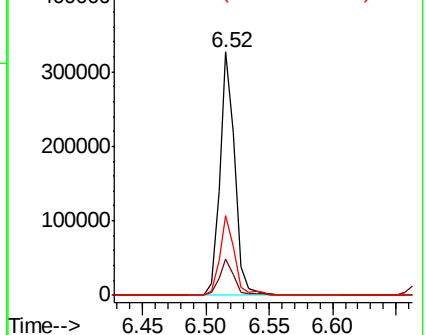
71 32.5 26.9 40.3



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: 2.045 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Tgt Ion: 70 Resp: 16758

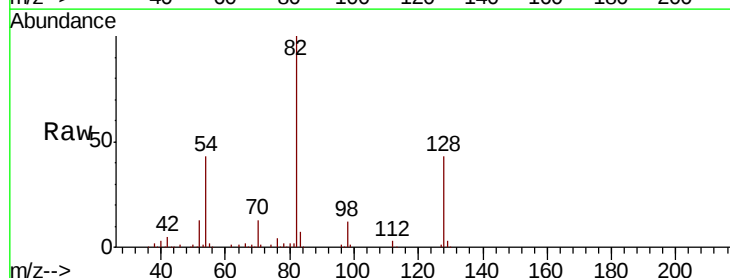
Ion Ratio Lower Upper

70 100

42 41.7 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

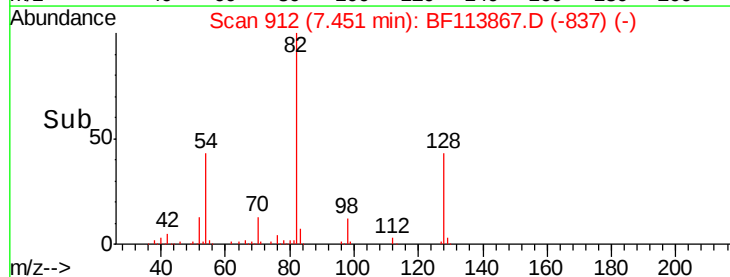
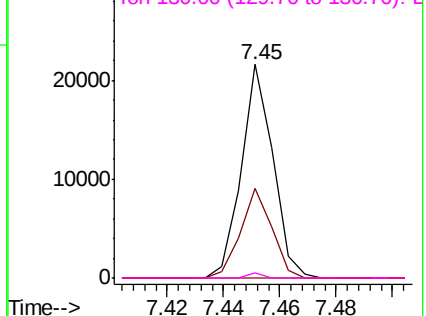


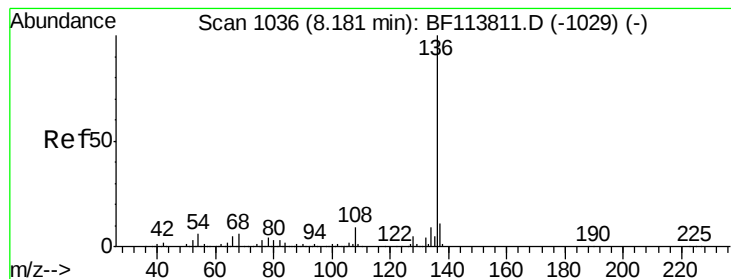
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

Tgt Ion: 136 Resp: 558462

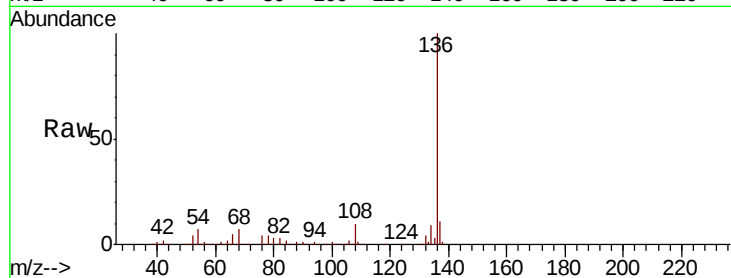
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 7.2 5.0 7.6

68 6.7 4.9 7.3

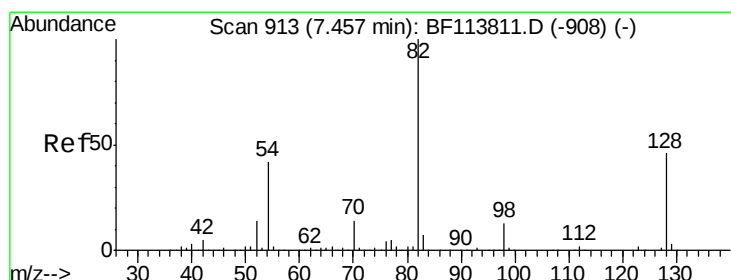
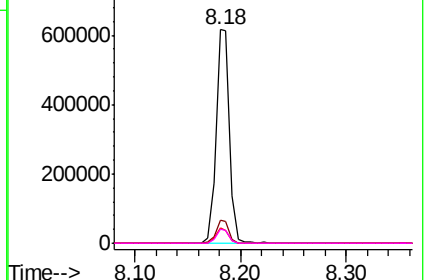
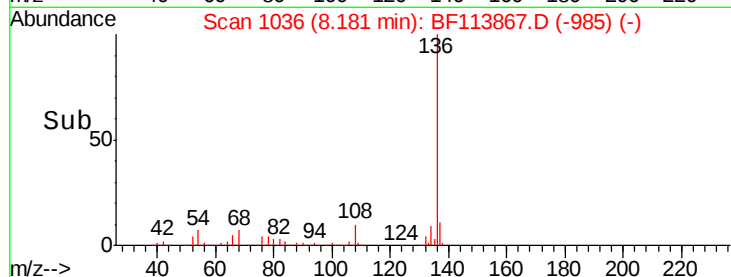


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.201 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

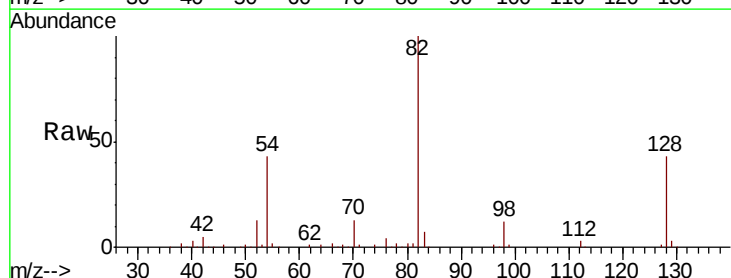
Tgt Ion: 82 Resp: 130237

Ion Ratio Lower Upper

82 100

128 42.8 36.8 55.2

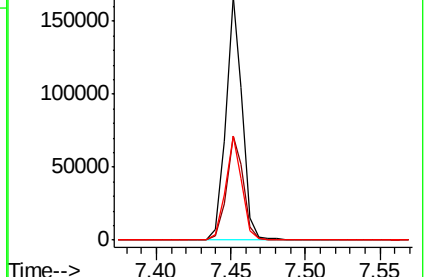
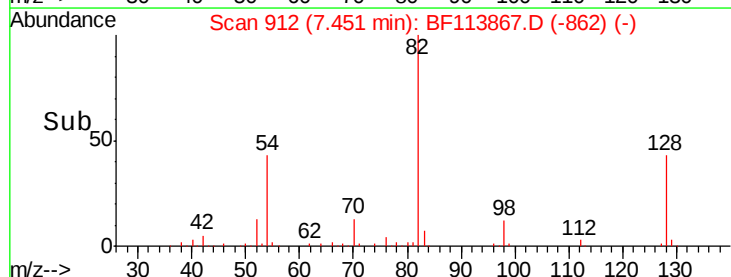
54 42.8 33.8 50.6

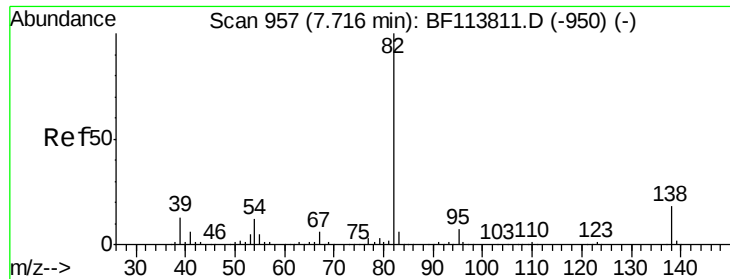


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.859 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

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ClientSampleId :

OR-03-041819-B

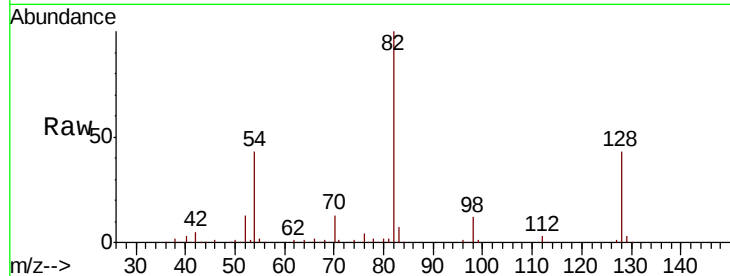
Tgt Ion: 82 Resp: 130234

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

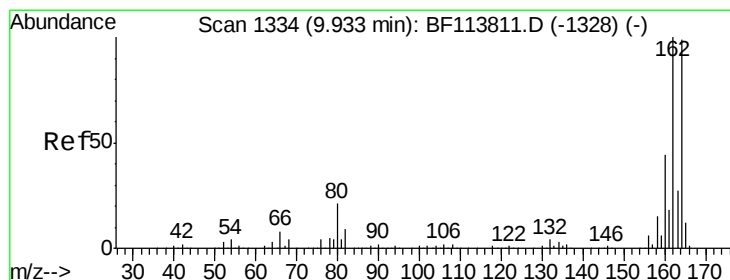
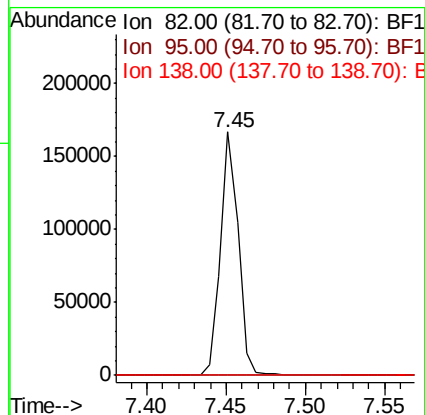
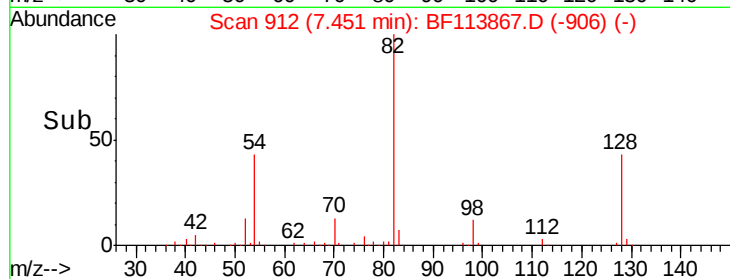
138 0.0 14.6 22.0#



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: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

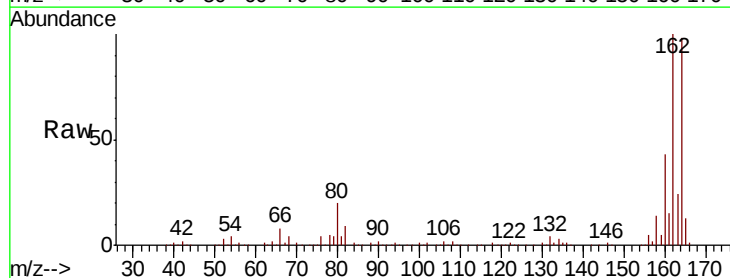
Tgt Ion: 164 Resp: 253416

Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

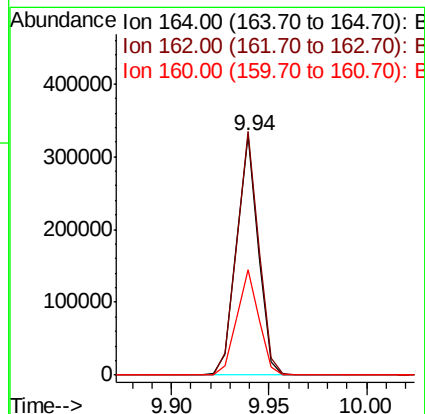
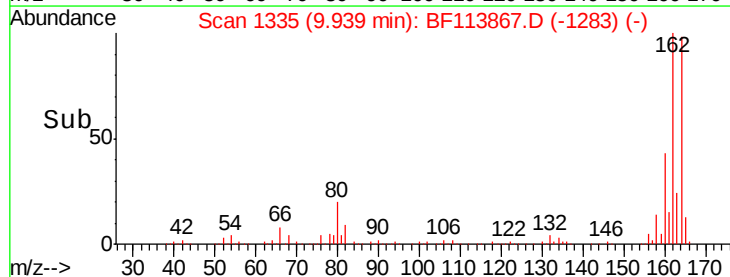
160 43.8 35.8 53.6

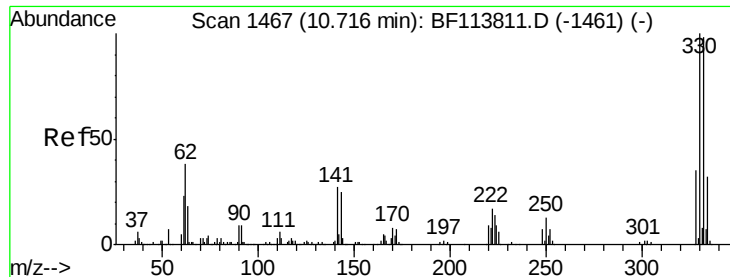


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

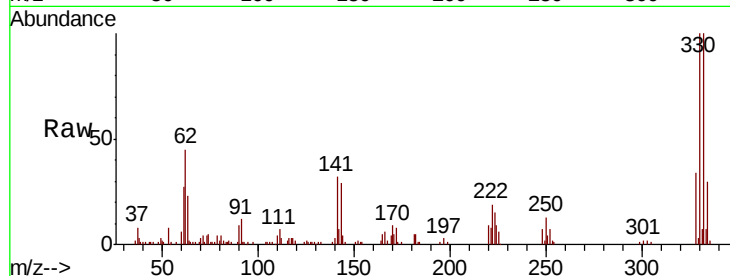




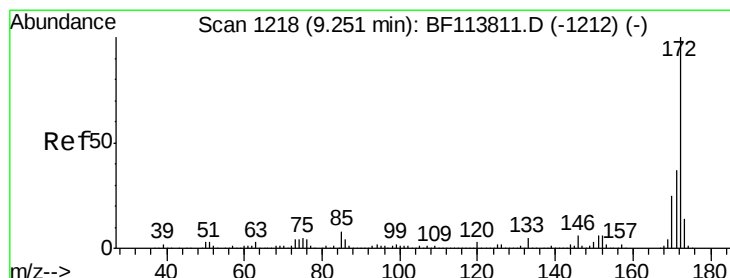
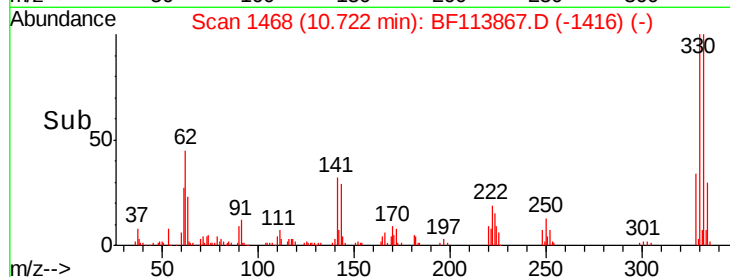
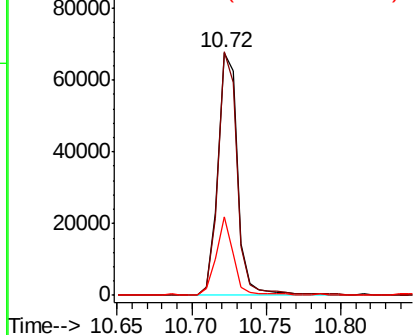
#42
 2,4,6-Tribromophenol
 Concen: 22.620 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

Tgt Ion:330 Resp: 63330
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.5 116.3
 141 28.1 22.2 33.2

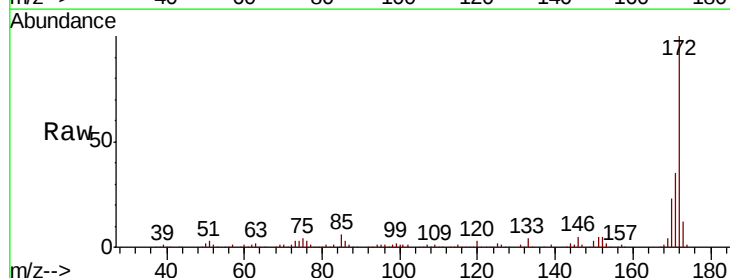


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

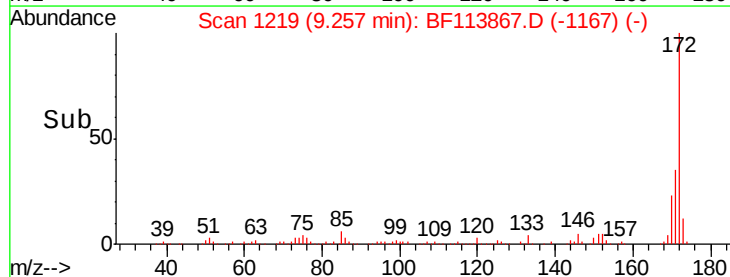
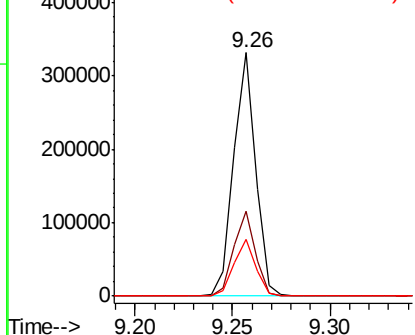


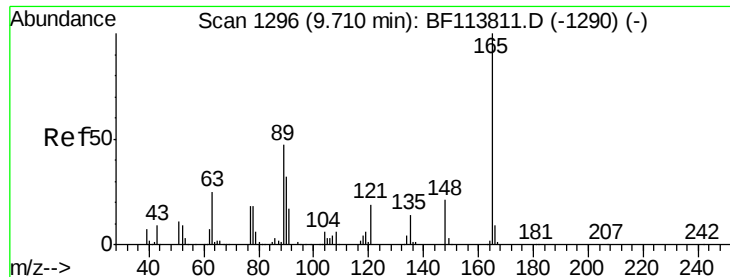
#45
 2-Fluorobiphenyl
 Concen: 15.580 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Tgt Ion:172 Resp: 258897
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.0
 170 23.3 19.9 29.9



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

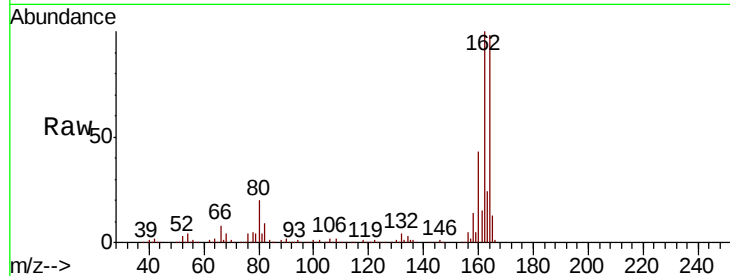




#51
 2,6-Dinitrotoluene
 Concen: 8.471 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-B

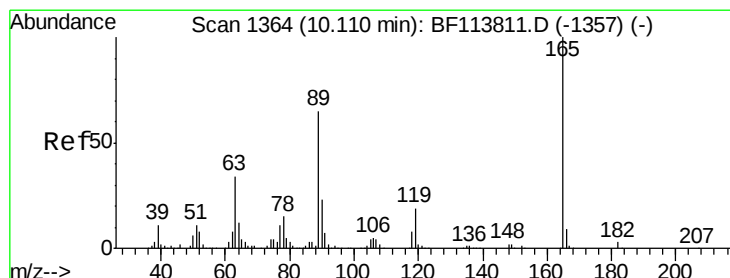
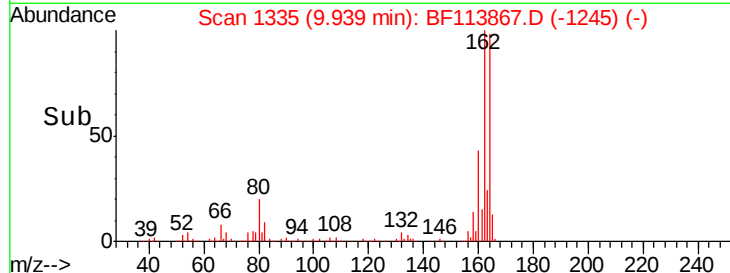
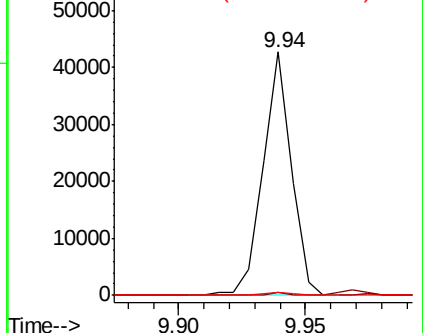
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.3	38.2	57.2#



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



#57
 2,4-Dinitrotoluene
 Concen: 6.828 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF113867.D
 Acq: 19 Apr 2019 19:05

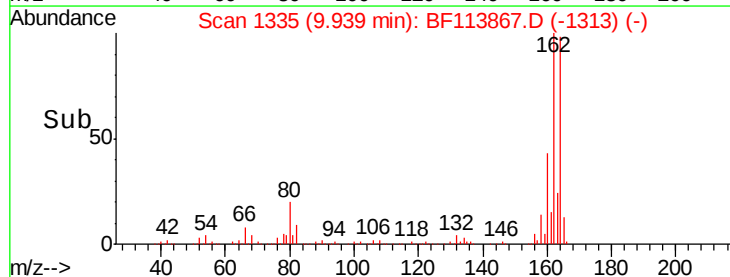
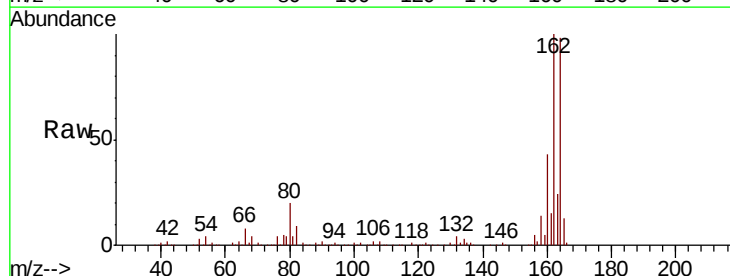
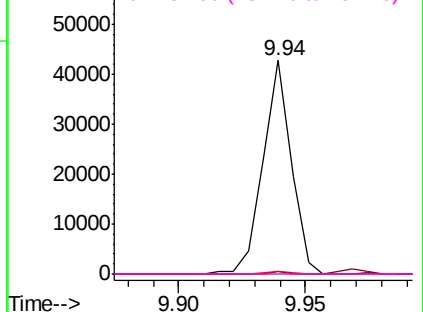
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.4	41.0#
89	1.3	51.8	77.6#
182	0.0	2.2	3.2#

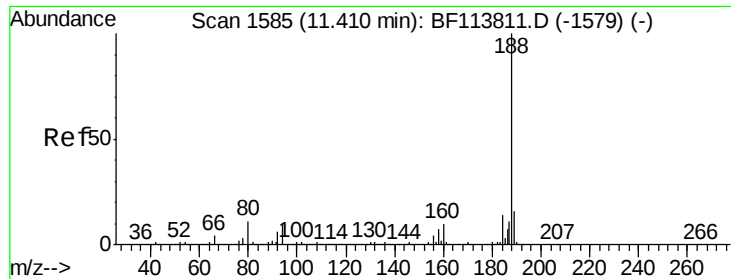
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

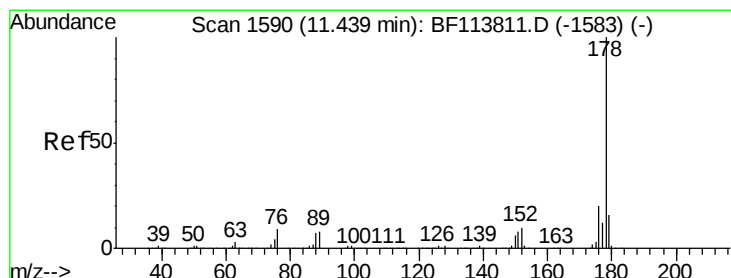
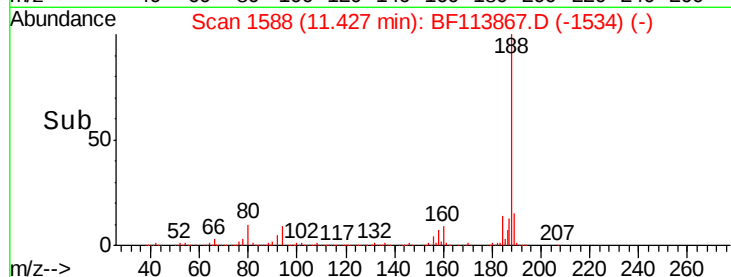
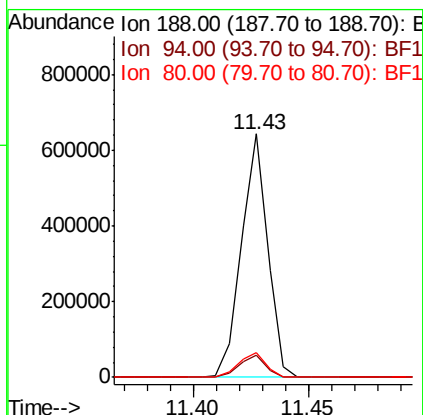
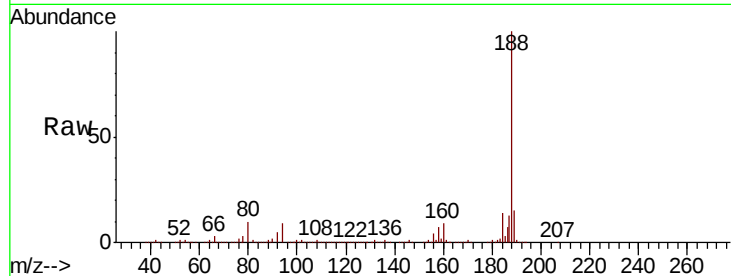




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.02 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

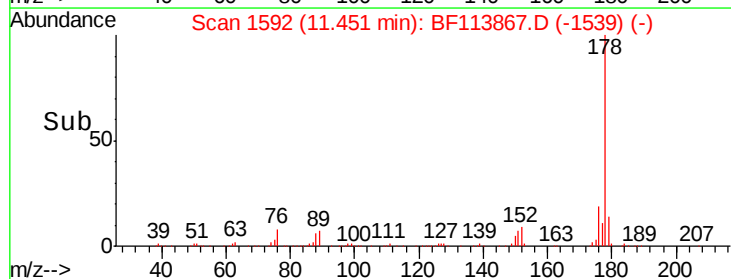
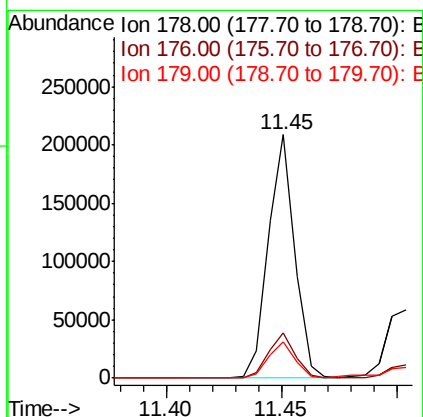
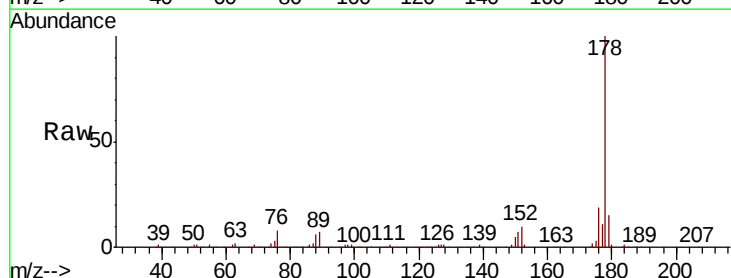
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

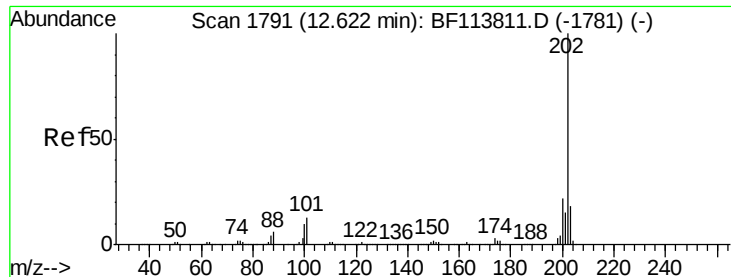
Tgt Ion:188 Resp: 512830
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.4
80 10.3 9.0 13.6



#71
Phenanthrene
Concen: 6.338 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion:178 Resp: 165543
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 14.7 12.8 19.2





#75

Fluoranthene

Concen: 10.111 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.06 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

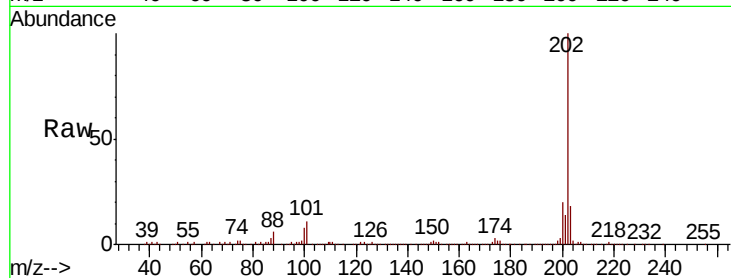
Tgt Ion: 202 Resp: 279891

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.9

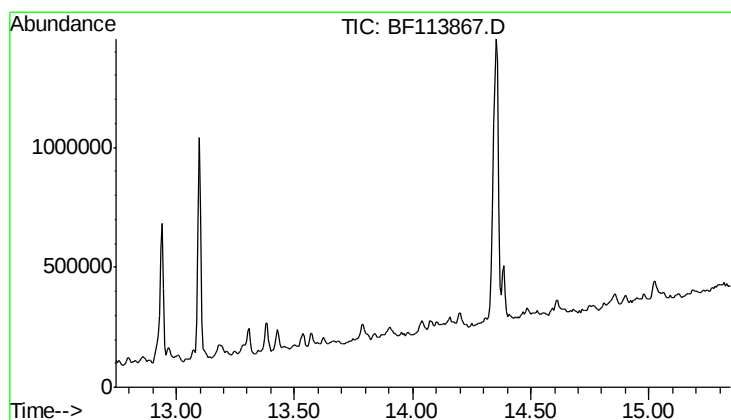
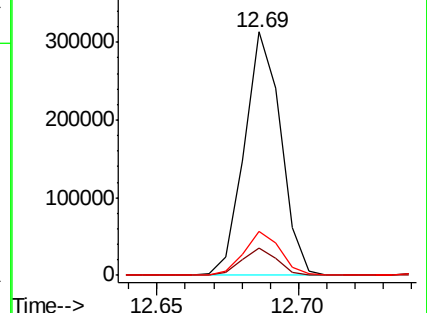
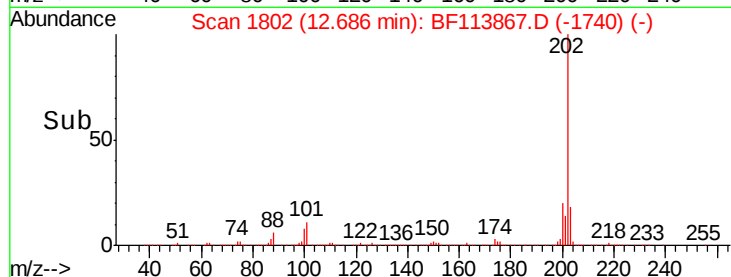
203 17.8 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 14.04 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

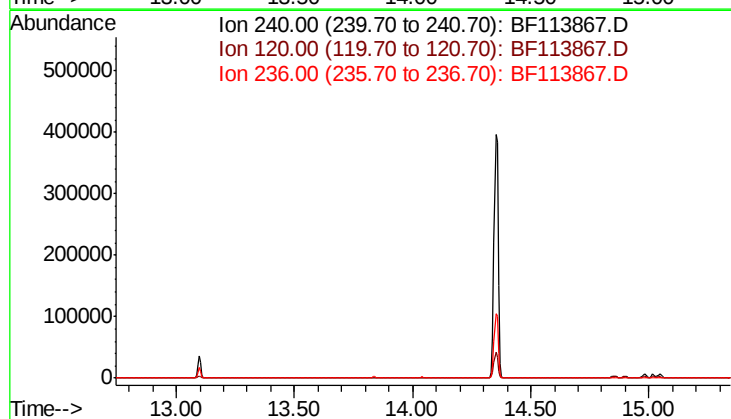
Tgt Ion: 240

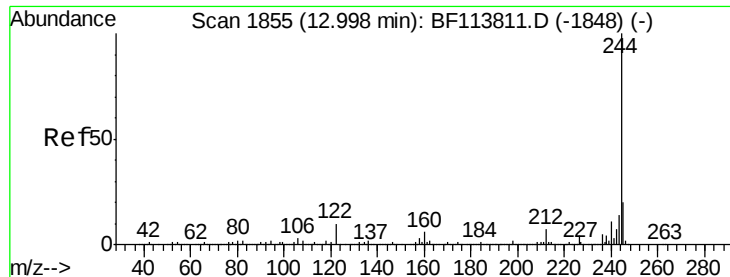
Sig Exp Ratio

240 100

120 11.6

236 26.5





#79

Terphenyl-d14

Concen: 0.000 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.10 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

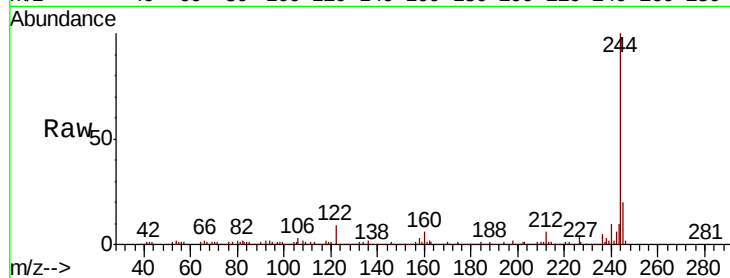
Tgt Ion:244 Resp: 332242

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

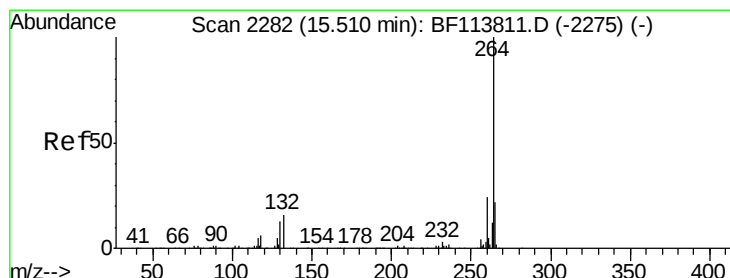
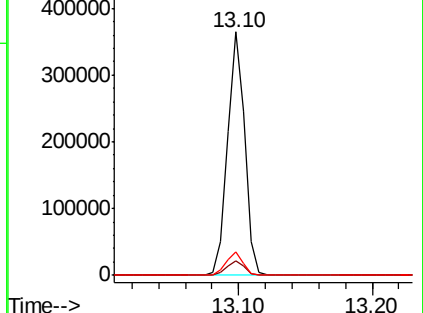
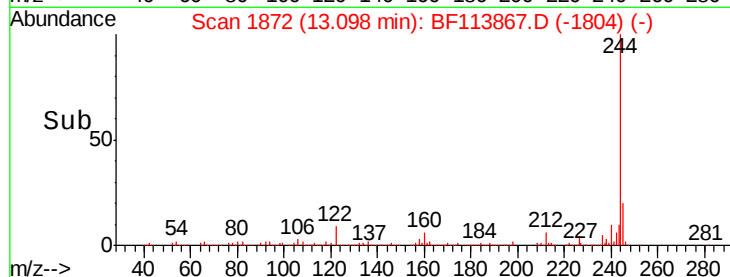
122 9.4 7.6 11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

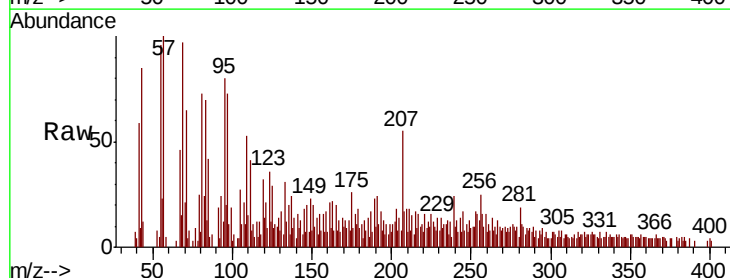
Tgt Ion:264 Resp: 235

Ion Ratio Lower Upper

264 100

260 88.5 18.9 28.3#

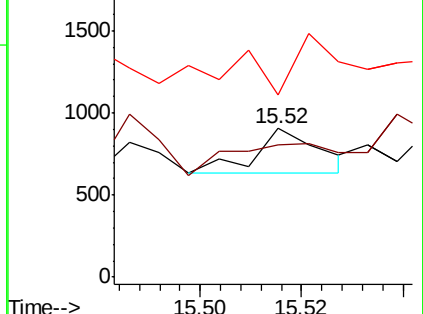
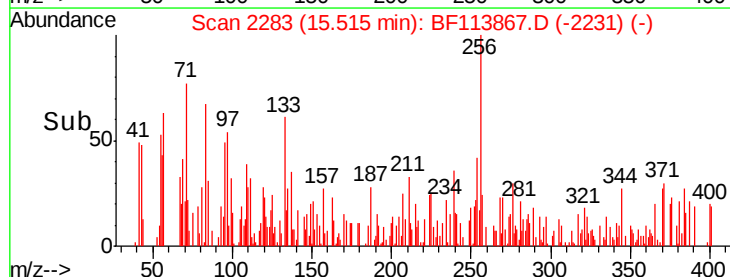
265 122.6 17.3 25.9#

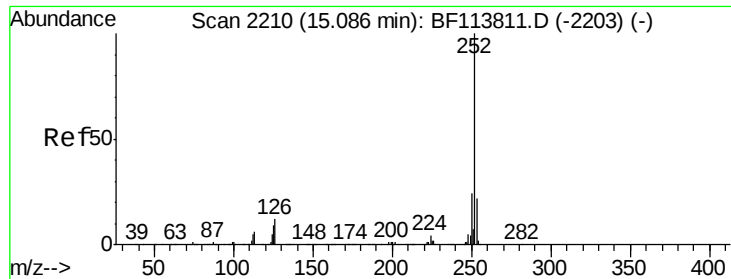


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

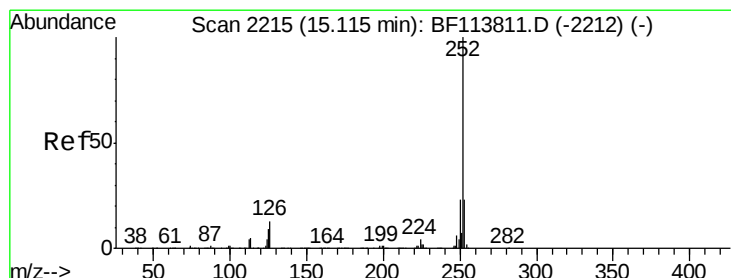
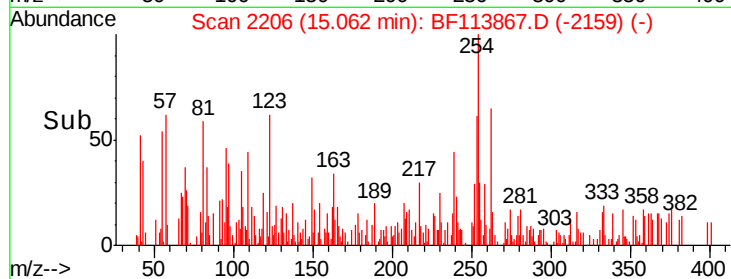
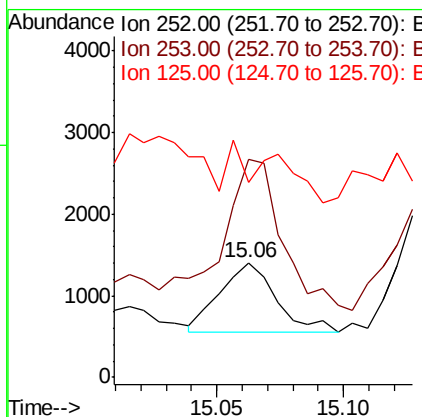
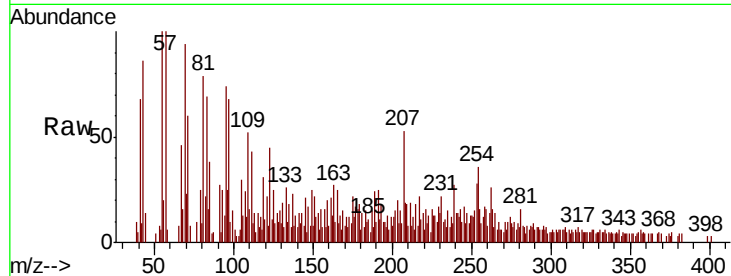




#88
Benzo(b)fluoranthene
Concen: 87.509 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

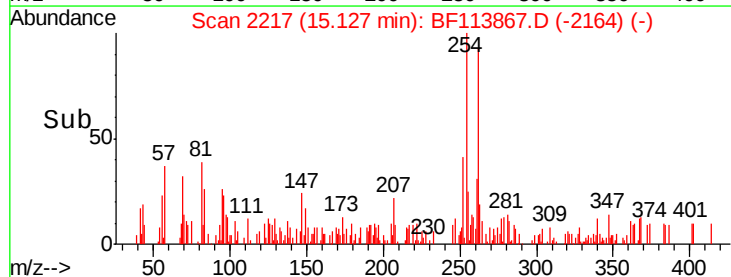
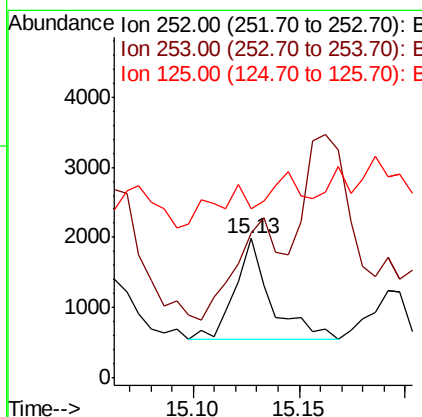
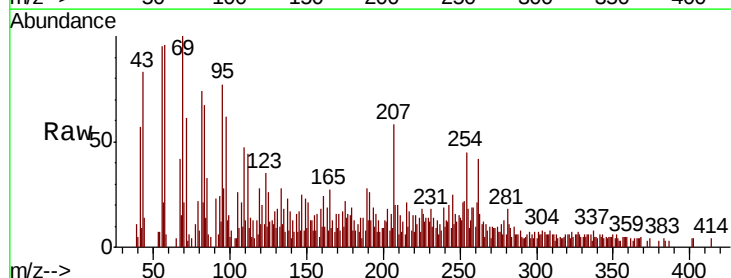
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

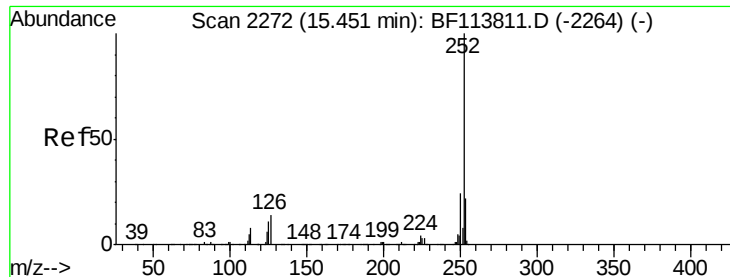
Tgt Ion:252 Resp: 1282
Ion Ratio Lower Upper
252 100
253 190.6 17.8 26.6#
125 170.6 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 124.108 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF113867.D
Acq: 19 Apr 2019 19:05

Tgt Ion:252 Resp: 1656
Ion Ratio Lower Upper
252 100
253 103.7 18.2 27.2#
125 121.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 7745.671 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.24 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

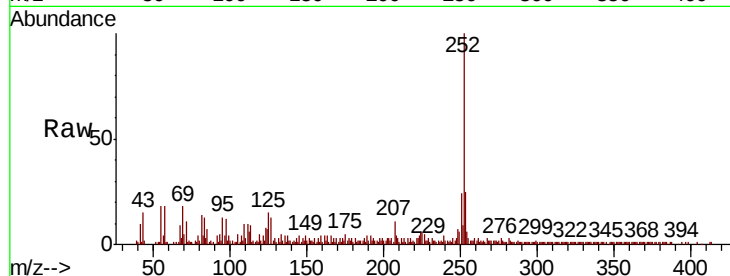
Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

Tgt Ion:	252	Resp:	100337
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	14.5	8.5	12.7#

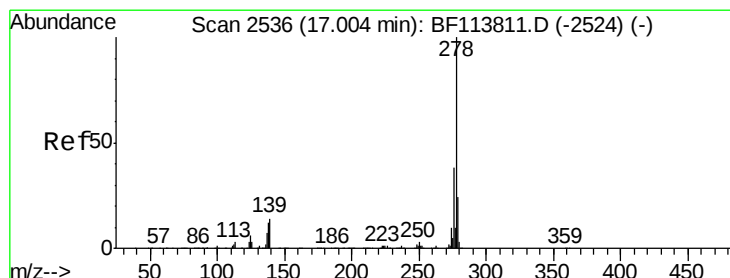
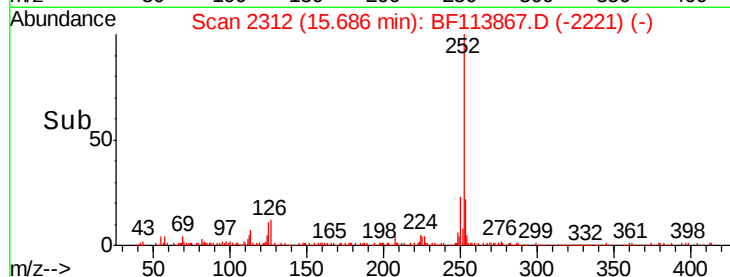
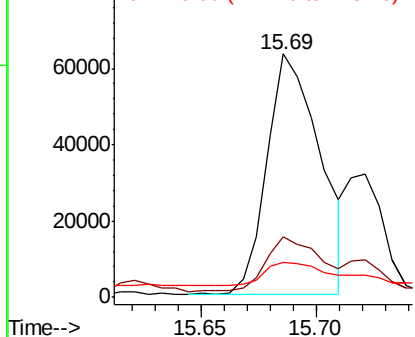


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 22.644 ng

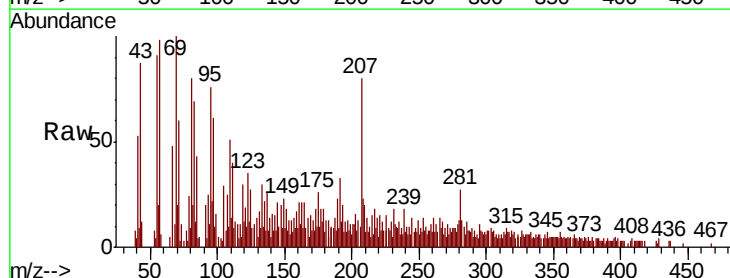
RT: 17.00 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Tgt Ion:	278	Resp:	261
Ion	Ratio	Lower	Upper
278	100		
139	195.5	11.6	17.4#
279	146.4	19.0	28.6#

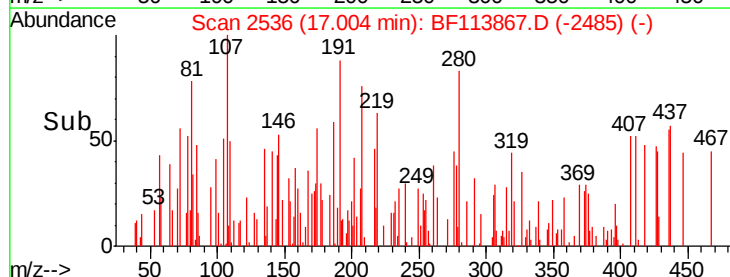
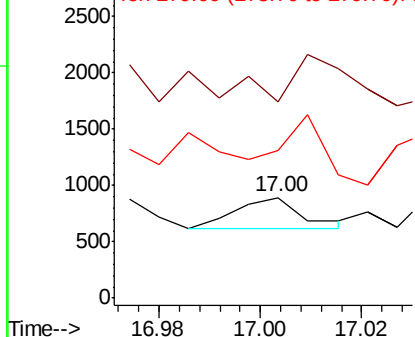


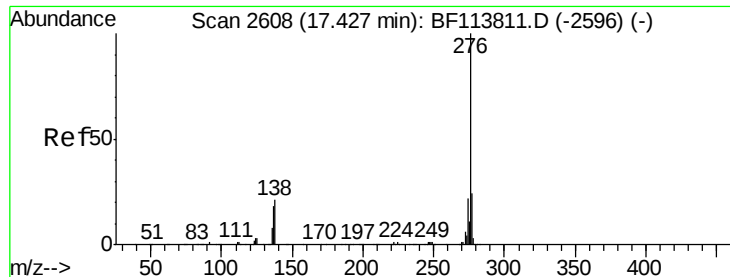
Abundance

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: 94.151 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.04 min

Lab File: BF113867.D

Acq: 19 Apr 2019 19:05

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

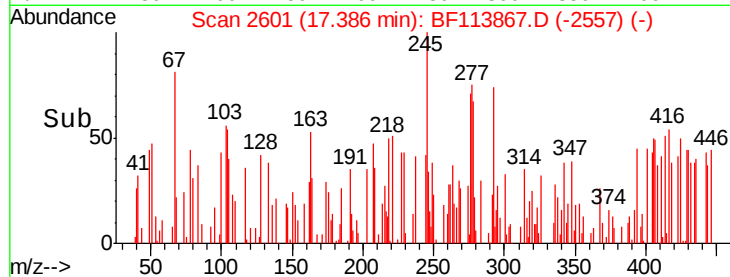
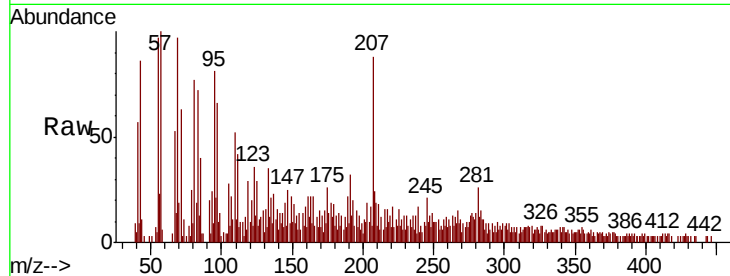
Tgt Ion: 276 Resp: 1103

Ion Ratio Lower Upper

276 100

277 105.9 19.0 28.4#

138 79.1 16.6 25.0#



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

