

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113136.D
 Acq On : 19 Mar 2019 20:11
 Operator : JU/SJ
 Sample : K1692-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Quant Time: Mar 20 01:48:57 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	180411	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	668207	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	285003	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	465133	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	359600	20.00	ng	0.00
87) Perylene-d12	15.27	264	234749	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	222128	19.15	ng	-0.01
7) Phenol-d6	6.36	99	292669	20.09	ng	-0.01
23) Nitrobenzene-d5	7.28	82	162813	14.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	61730	20.40	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	319989	14.17	ng	-0.01
79) Terphenyl-d14	12.82	244	250077	13.48	ng	0.00

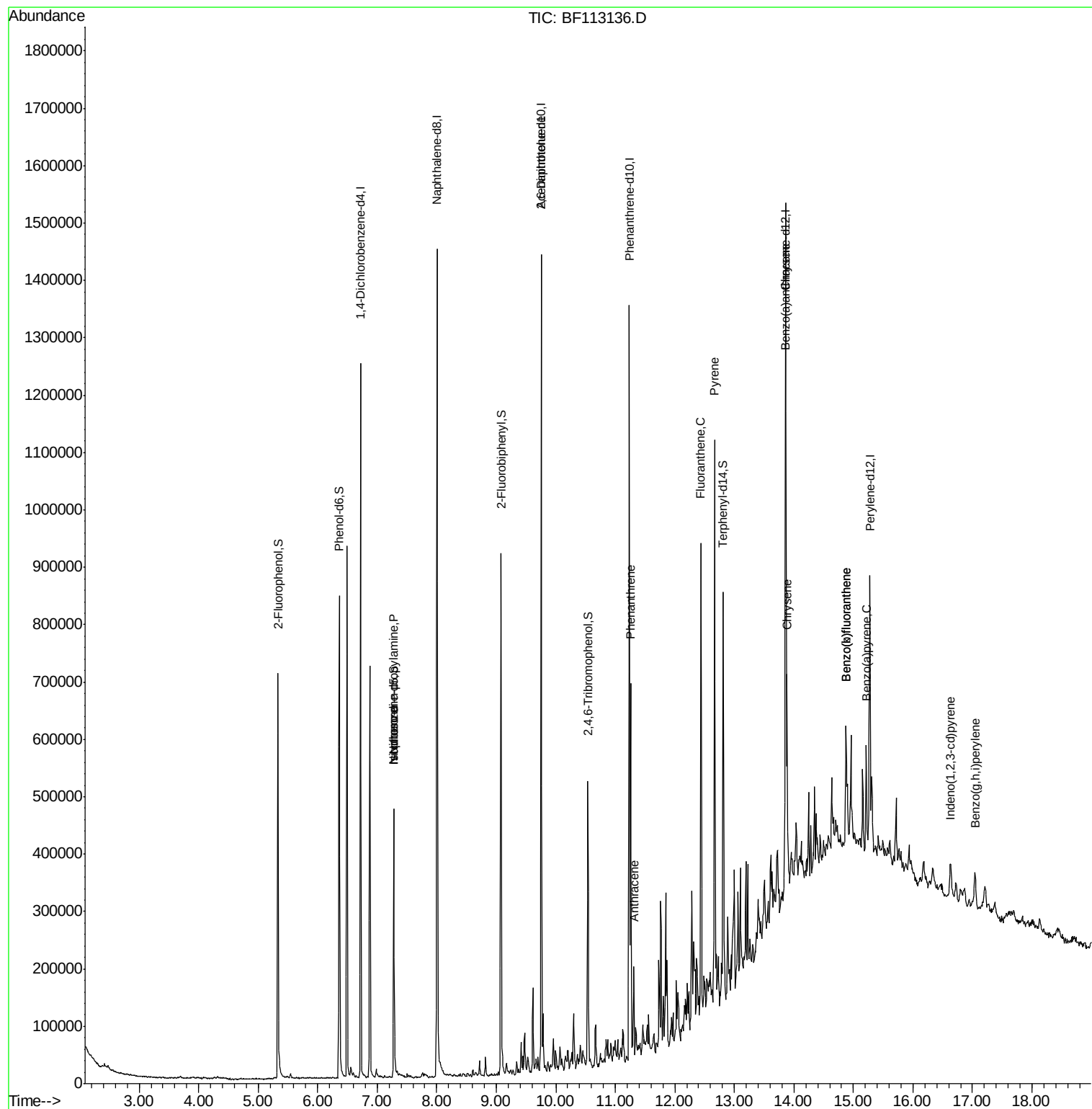
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.28	70	21541	2.335	ng	# 78
25) Isophorone	7.28	82	162810	6.768	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	37000	8.455	ng	# 18
71) Phenanthrene	11.26	178	221416	9.568	ng	98
72) Anthracene	11.31	178	60123	2.482	ng	99
75) Fluoranthene	12.44	202	335826	13.545	ng	97
78) Pyrene	12.67	202	395769	13.055	ng	99
81) Benzo(a)anthracene	13.85	228	153311	6.151	ng	93
83) Chrysene	13.89	228	163335	6.691	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	45121	2.168	ng	# 89
88) Benzo(b)fluoranthene	14.87	252	145907	9.609	ng	98
89) Benzo(k)fluoranthene	14.87	252	145907	10.608	ng	97
90) Benzo(a)pyrene	15.22	252	88392	6.581	ng	98
92) Benzo(g,h,i)perylene	17.04	276	46537	4.044	ng	95

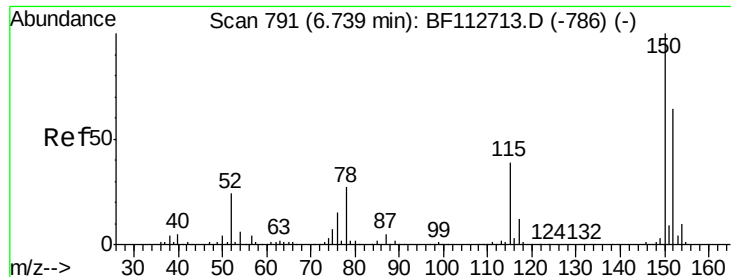
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113136.D
Acq On : 19 Mar 2019 20:11
Operator : JU/SJ
Sample : K1692-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Quant Time: Mar 20 01:48:57 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



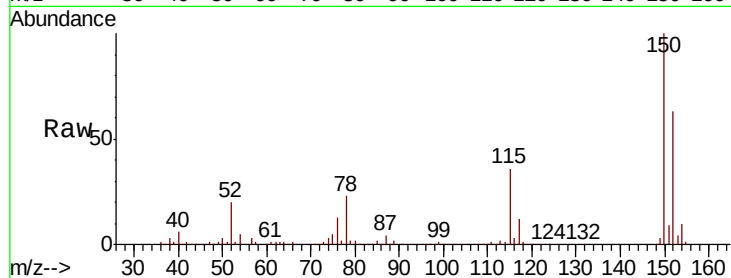


#1

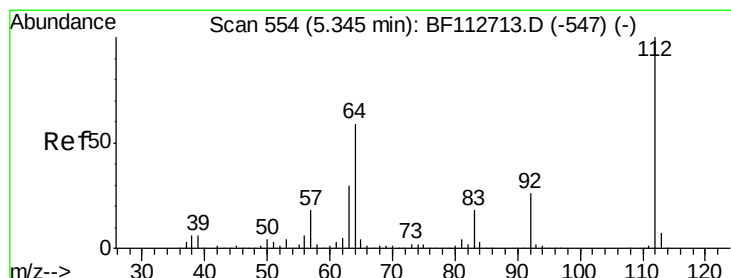
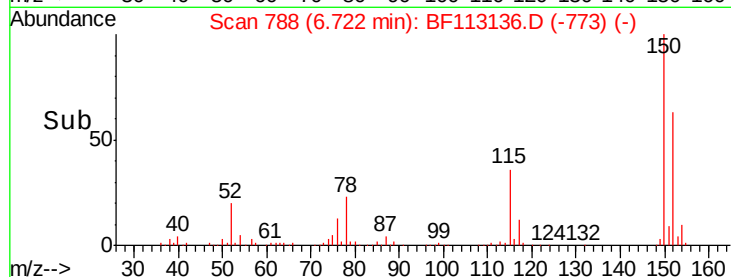
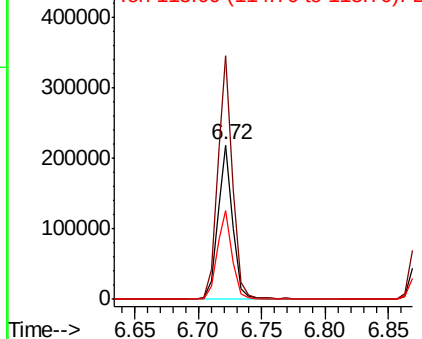
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Tgt Ion:152 Resp: 180411
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.2 186.2
 115 57.3 48.2 72.4



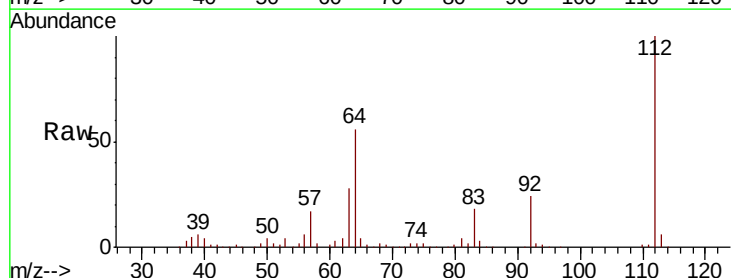
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



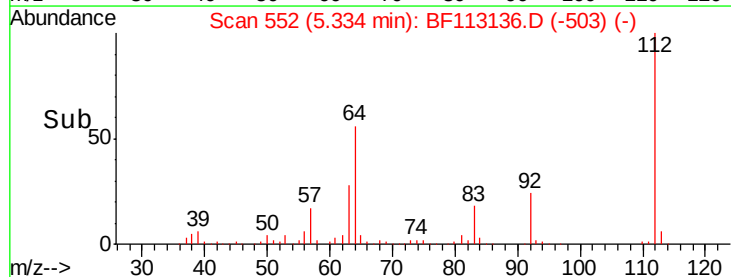
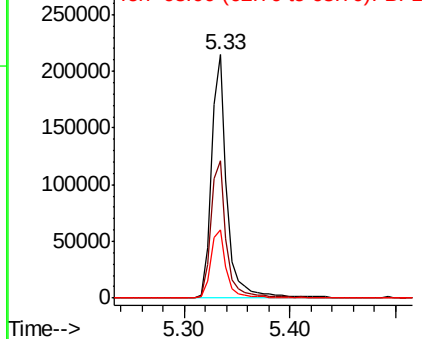
#5

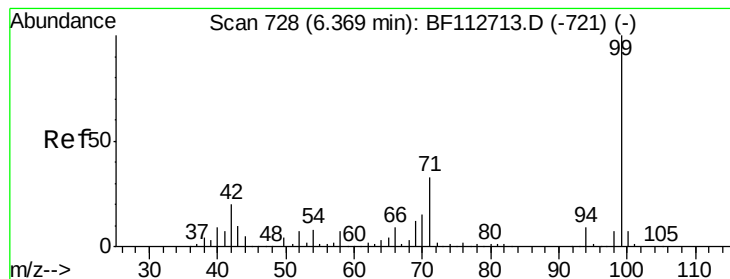
2-Fluorophenol
 Concen: 19.152 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion:112 Resp: 222128
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.6 71.4
 63 28.1 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: 20.089 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

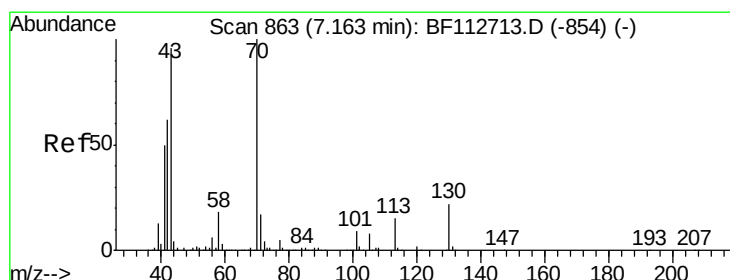
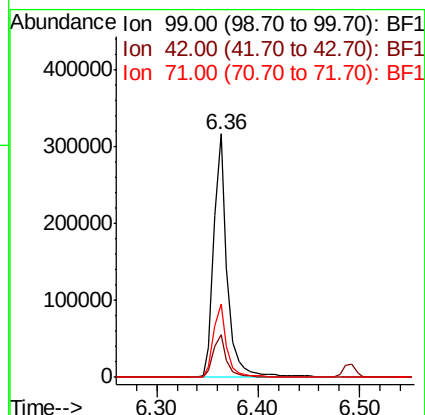
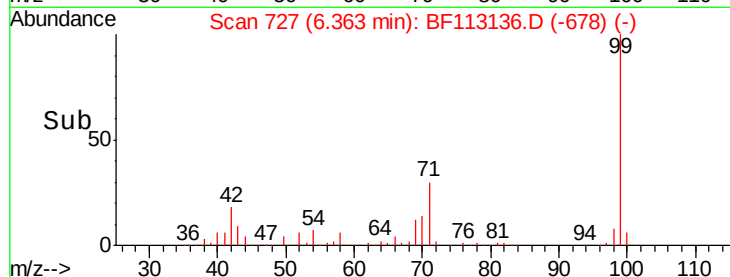
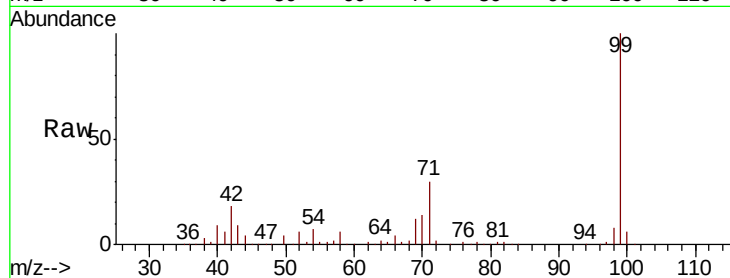
Tgt Ion: 99 Resp: 292669

Ion Ratio Lower Upper

99 100

42 17.5 16.3 24.5

71 30.1 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.335 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Tgt Ion: 70 Resp: 21541

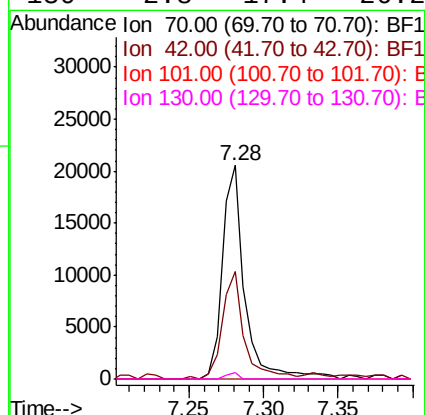
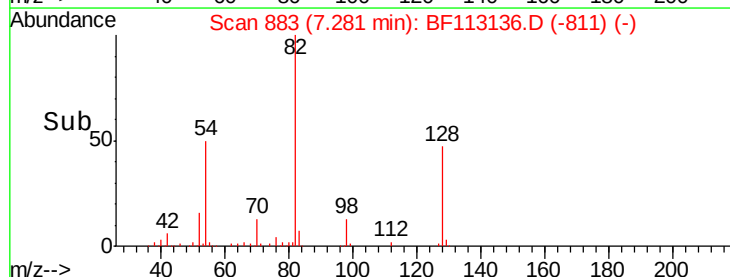
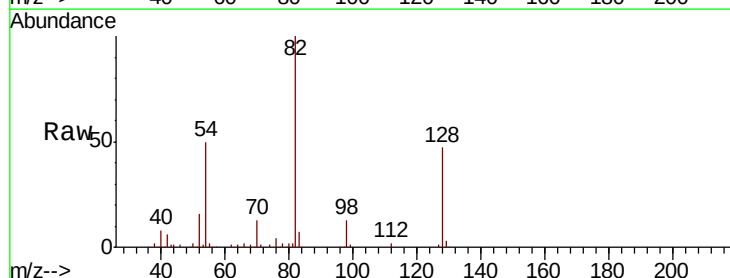
Ion Ratio Lower Upper

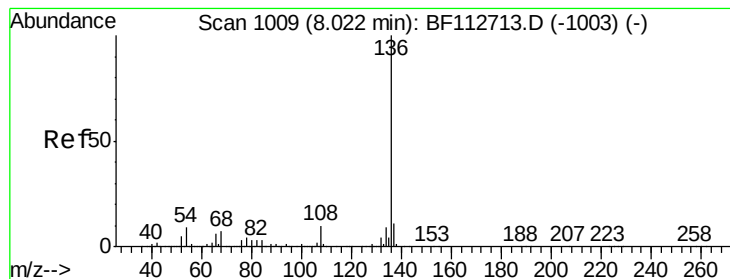
70 100

42 50.2 49.9 74.9

101 0.0 7.4 11.2#

130 2.8 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

Tgt Ion: 136 Resp: 668207

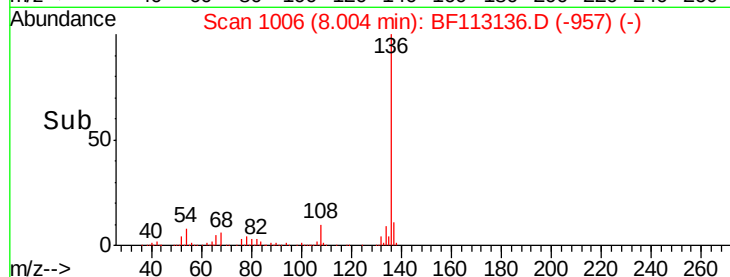
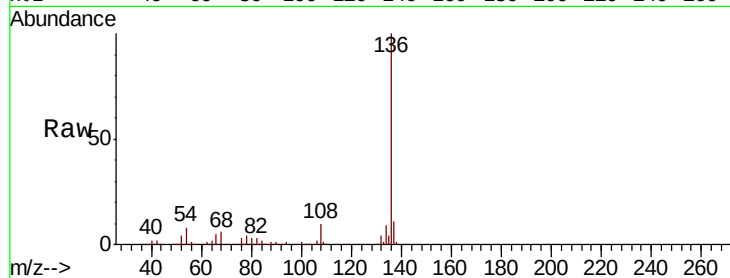
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.9 7.3 10.9

68 5.9 5.4 8.2

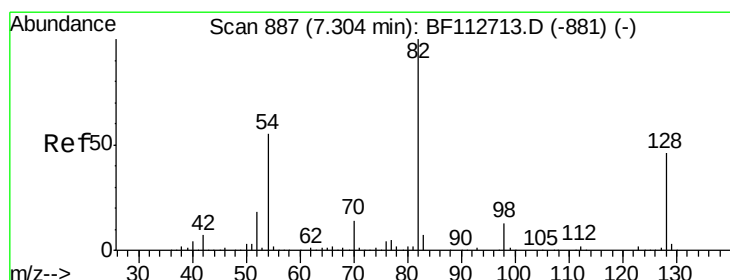
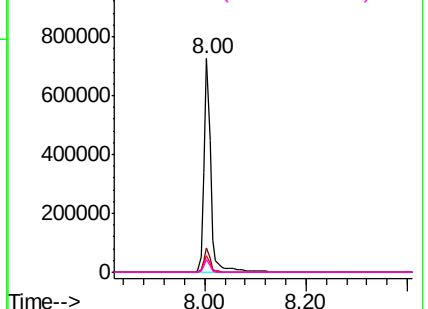


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.580 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

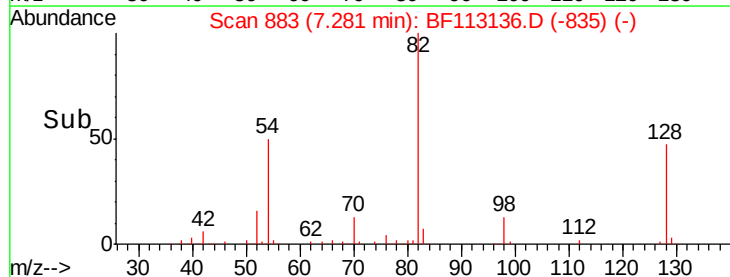
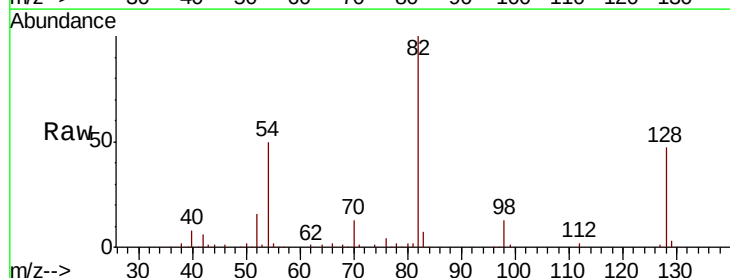
Tgt Ion: 82 Resp: 162813

Ion Ratio Lower Upper

82 100

128 47.0 36.3 54.5

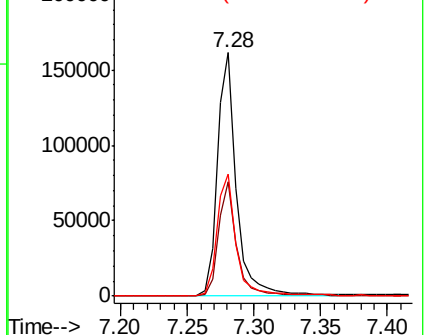
54 50.0 43.7 65.5

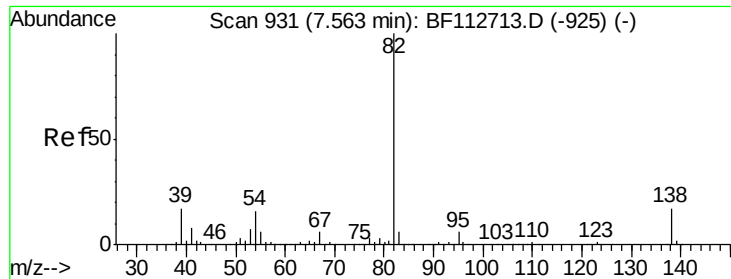


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.768 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

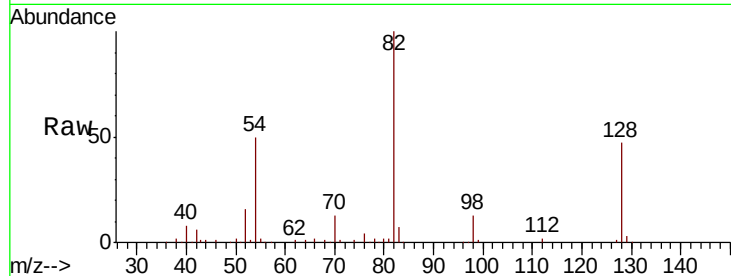
Tgt Ion: 82 Resp: 162810

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

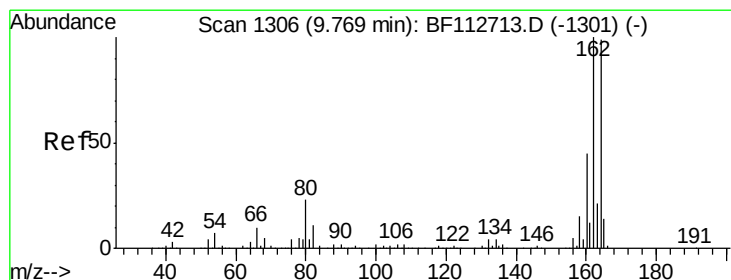
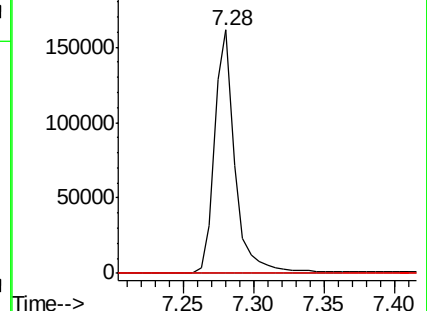
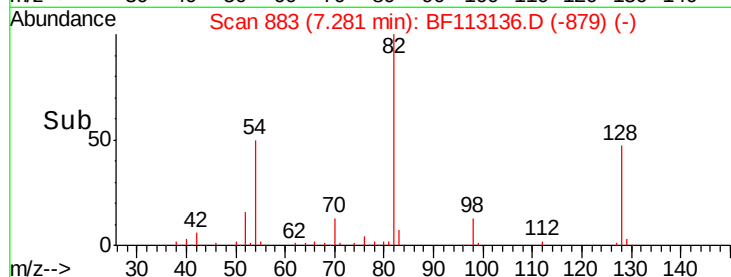
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

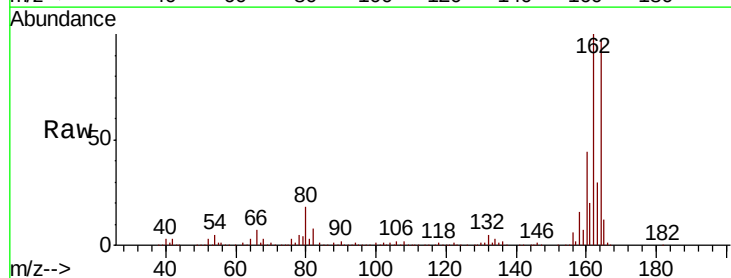
Tgt Ion: 164 Resp: 285003

Ion Ratio Lower Upper

164 100

162 103.6 80.6 120.8

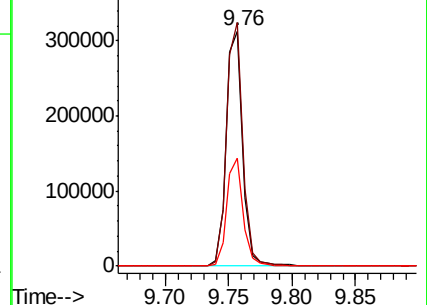
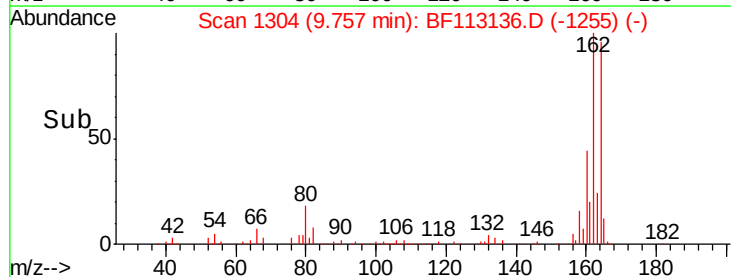
160 45.8 36.0 54.0

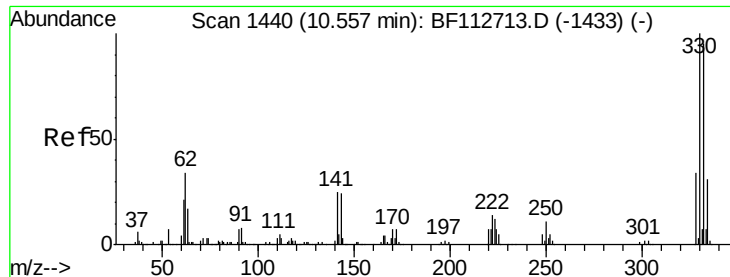


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

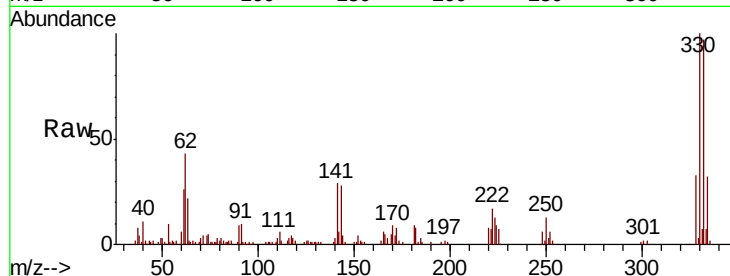




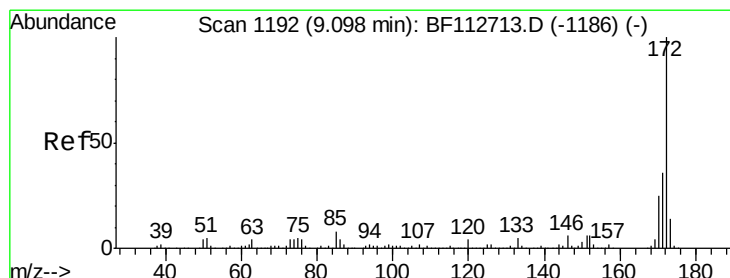
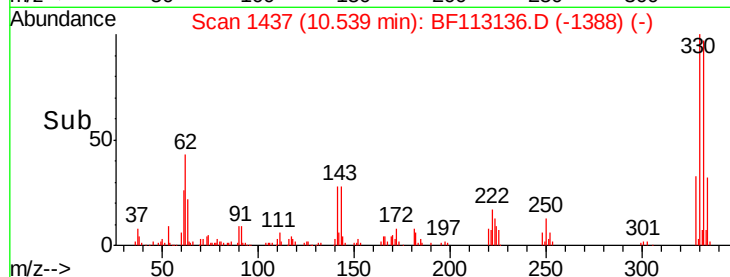
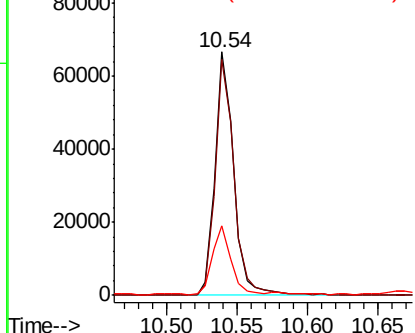
#42
 2,4,6-Tribromophenol
 Concen: 20.402 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

Tgt Ion:330 Resp: 61730
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 31.2 27.0 40.6

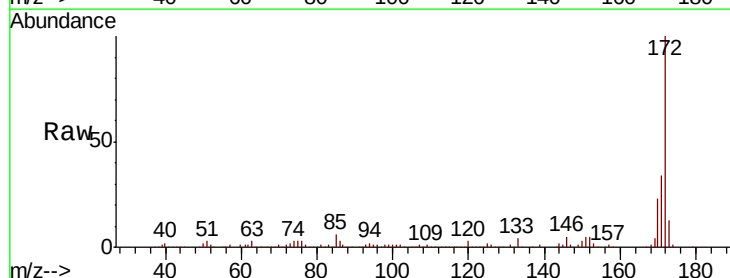


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

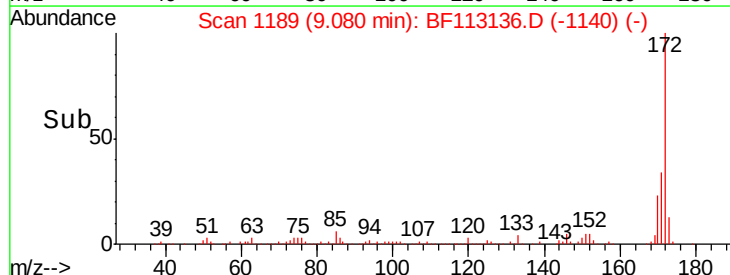
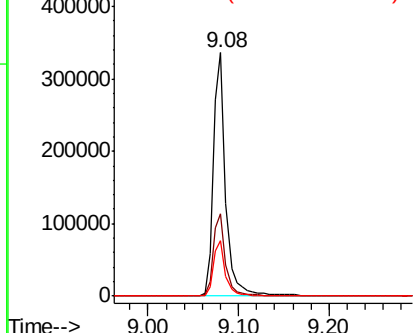


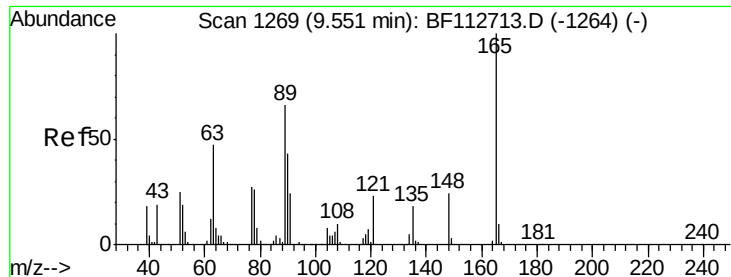
#45
 2-Fluorobiphenyl
 Concen: 14.171 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion:172 Resp: 319989
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.0 43.4
 170 22.9 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: 8.455 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

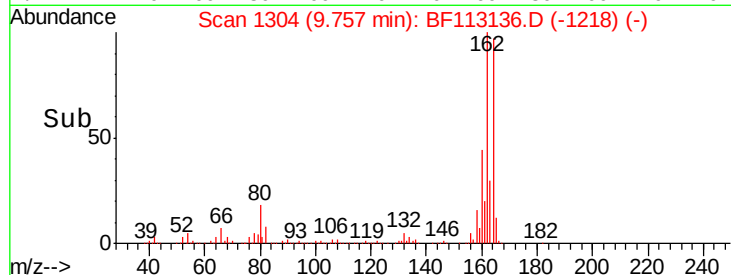
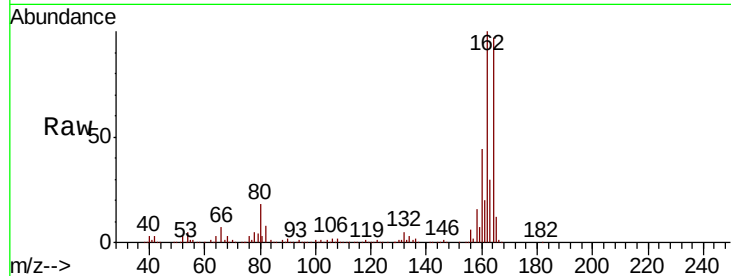
Tgt Ion:165 Resp: 37000

Ion Ratio Lower Upper

165 100

63 1.5 54.1 81.1#

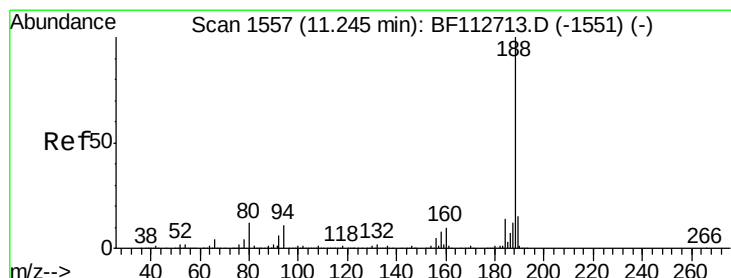
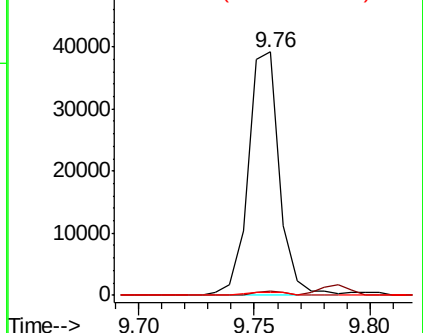
89 1.3 52.8 79.2#



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: BF113136.D

Acq: 19 Mar 2019 20:11

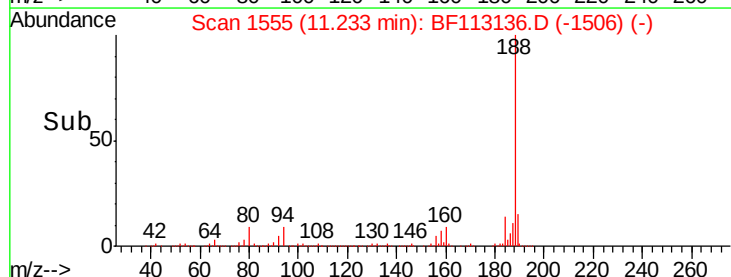
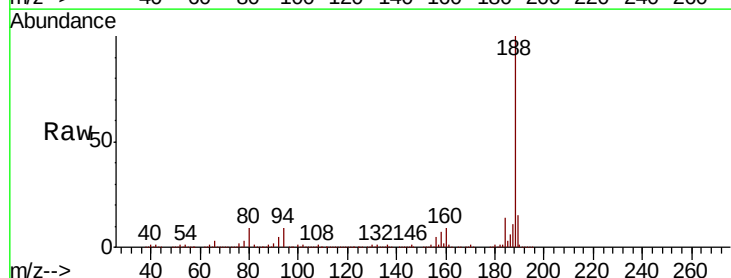
Tgt Ion:188 Resp: 465133

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

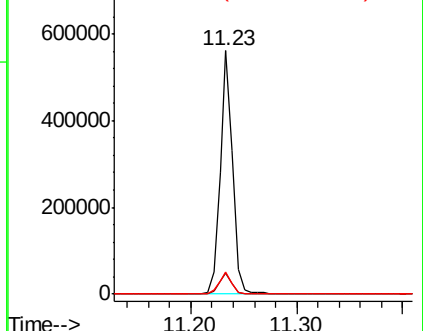
80 9.2 9.2 13.8#

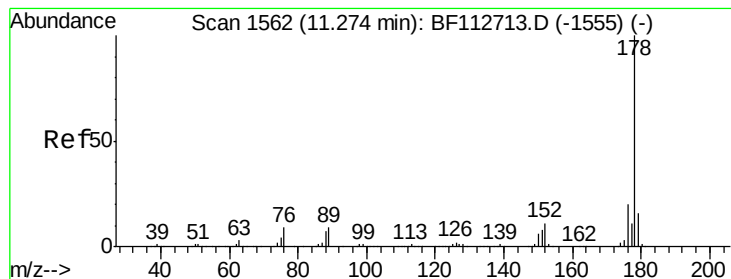


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 9.568 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

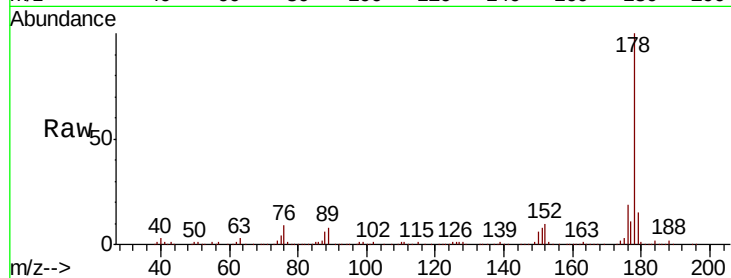
Tgt Ion:178 Resp: 221416

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

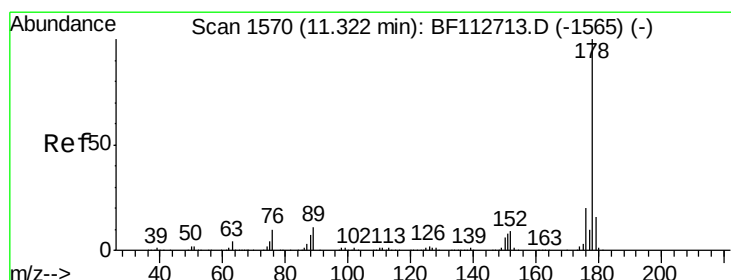
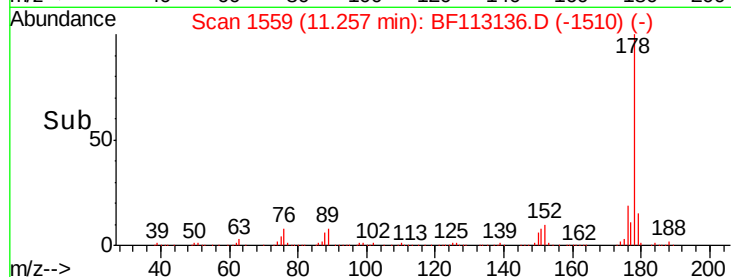
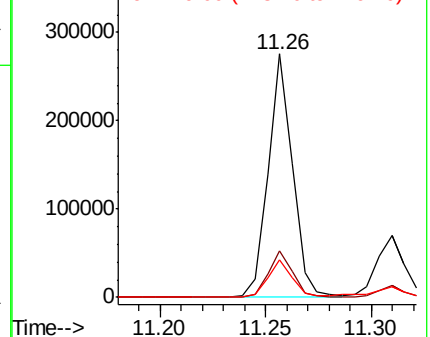
179 15.4 12.7 19.1



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: 2.482 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

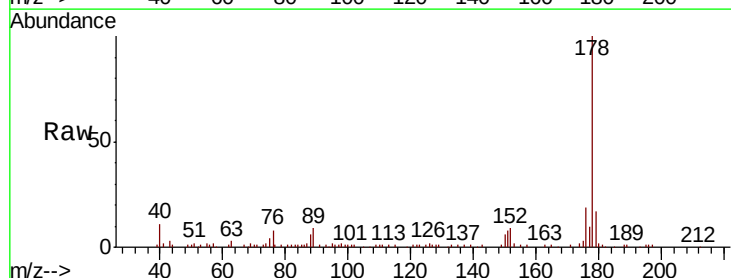
Tgt Ion:178 Resp: 60123

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

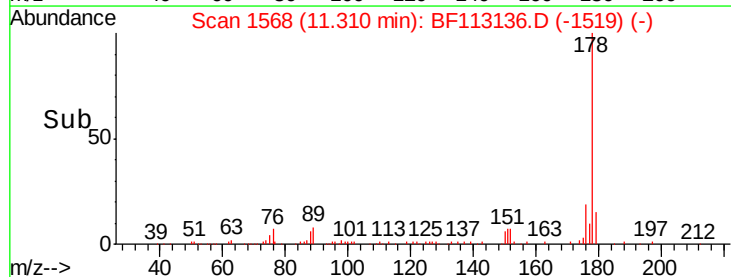
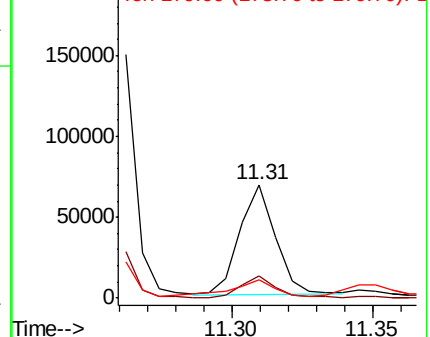
179 16.5 13.0 19.6

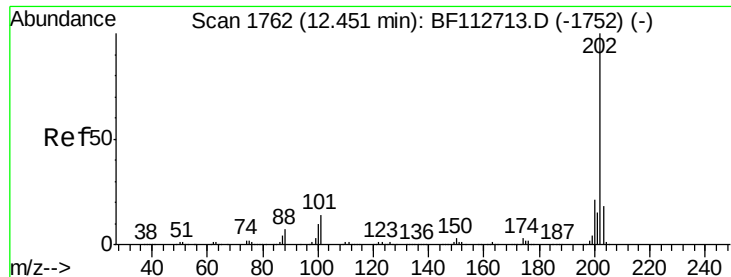


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.545 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

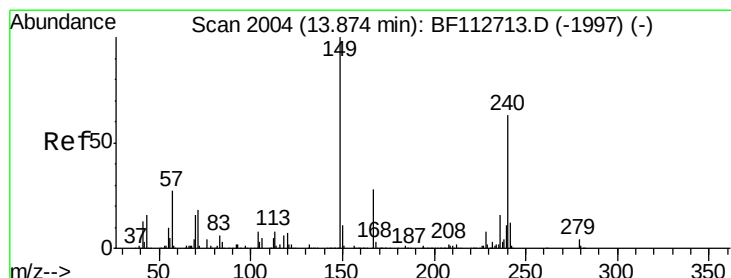
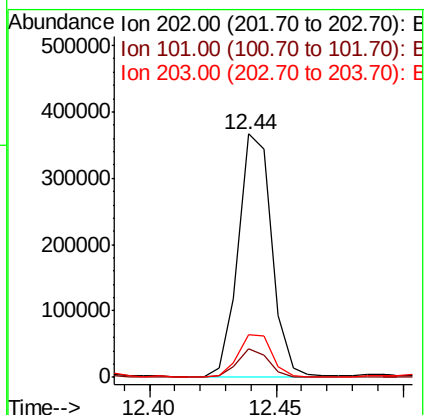
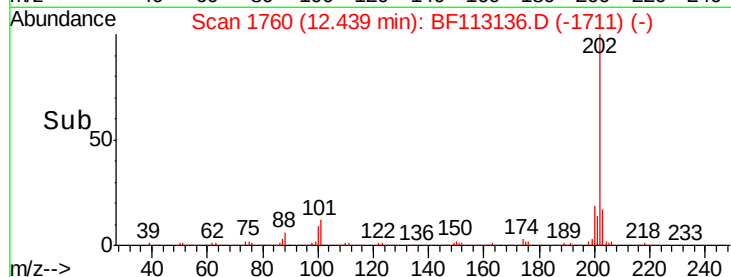
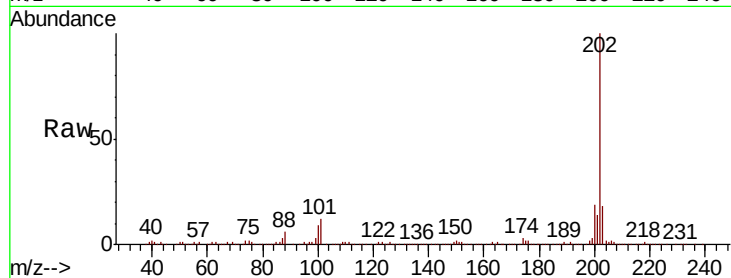
Tgt Ion:202 Resp: 335826

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.8

203 17.5 0.0 38.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

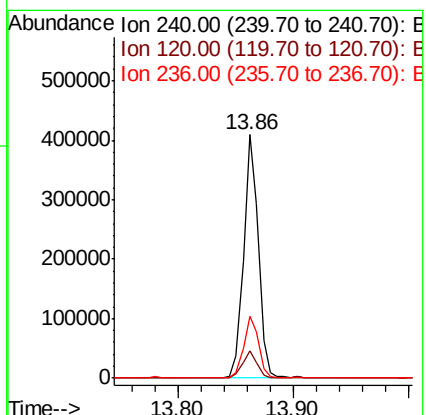
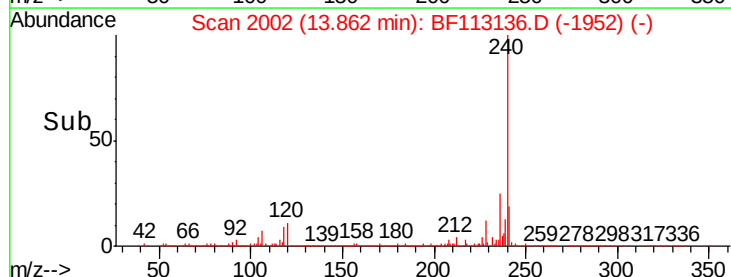
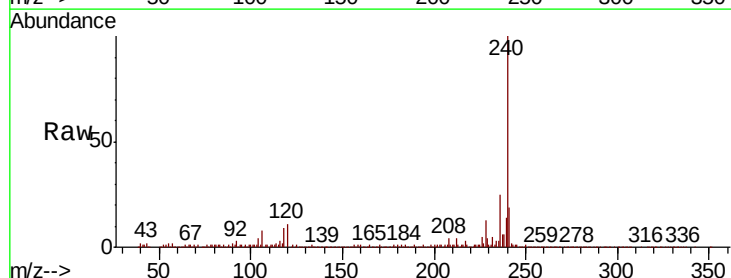
Tgt Ion:240 Resp: 359600

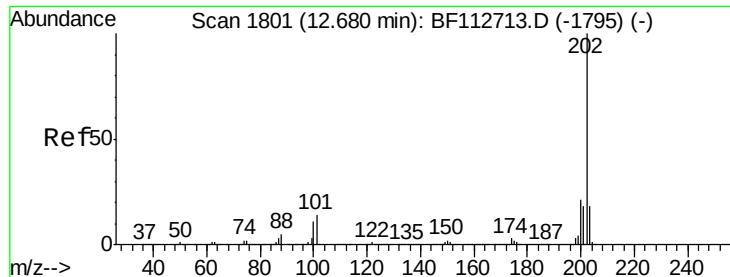
Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

236 25.3 20.7 31.1





#78

Pyrene

Concen: 13.055 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

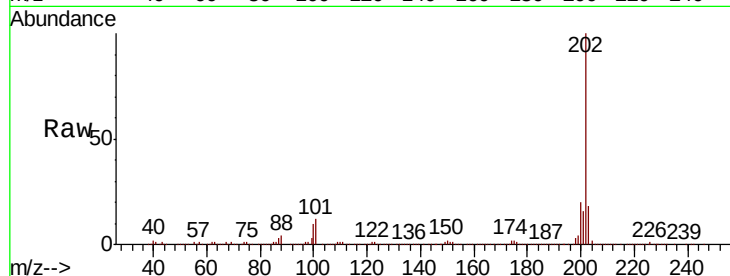
Tgt Ion:202 Resp: 395769

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 18.1 14.4 21.6

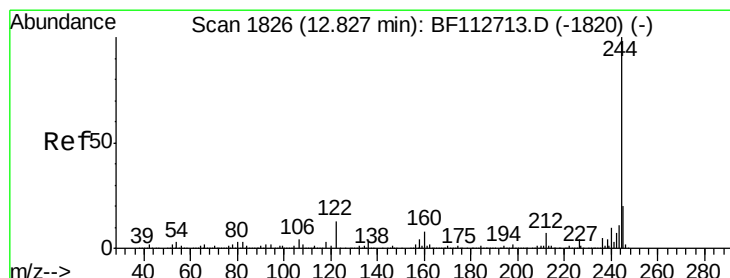
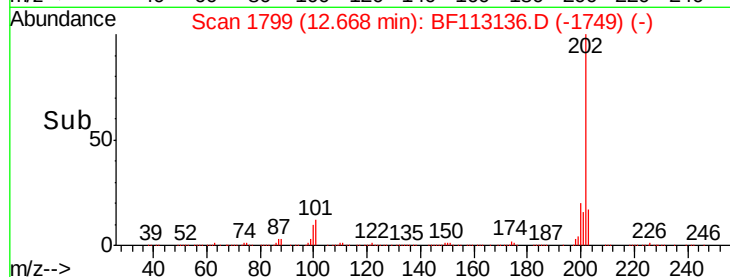
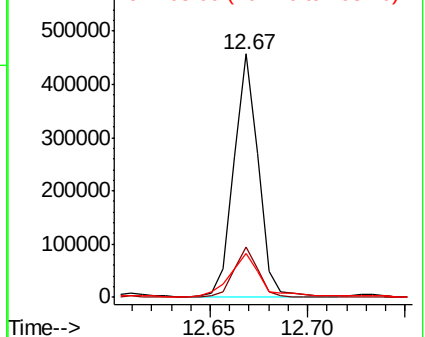


Abundance

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: 13.481 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

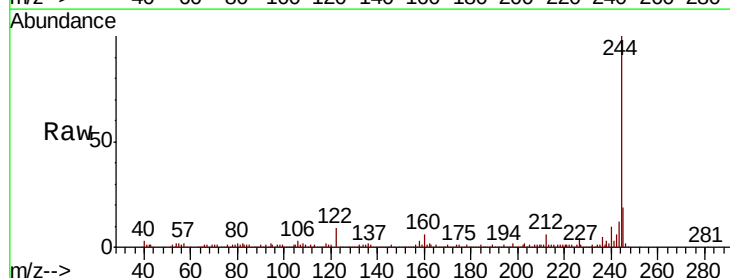
Tgt Ion:244 Resp: 250077

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 8.9 10.5 15.7#

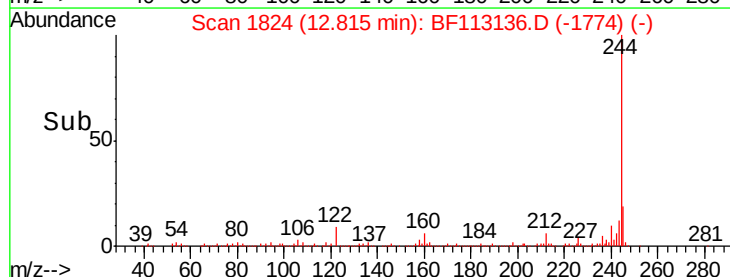
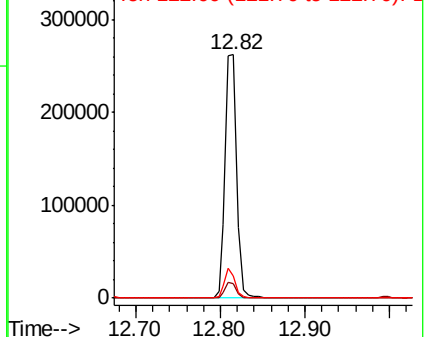


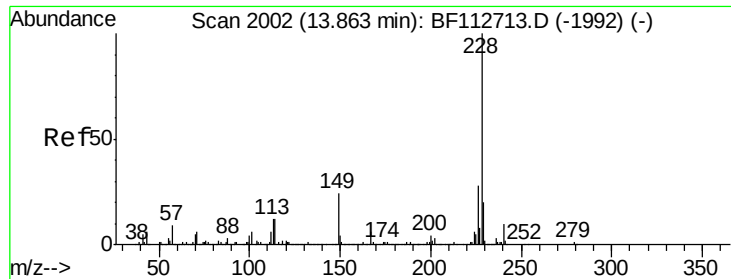
Abundance

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

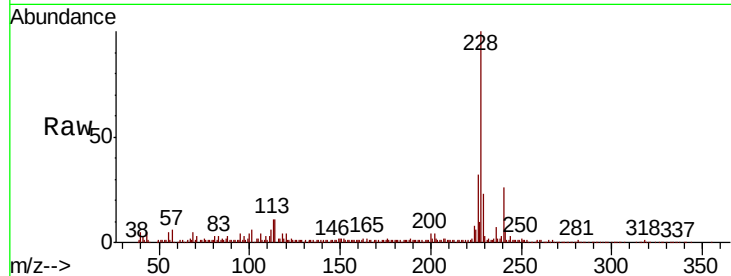




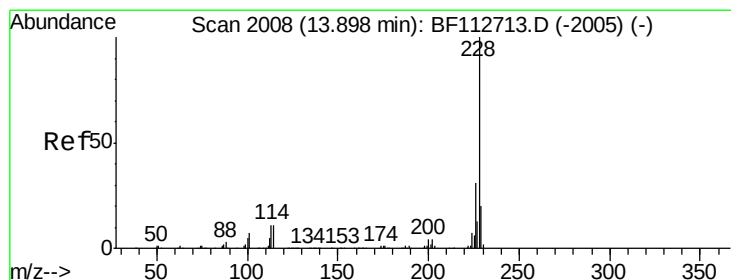
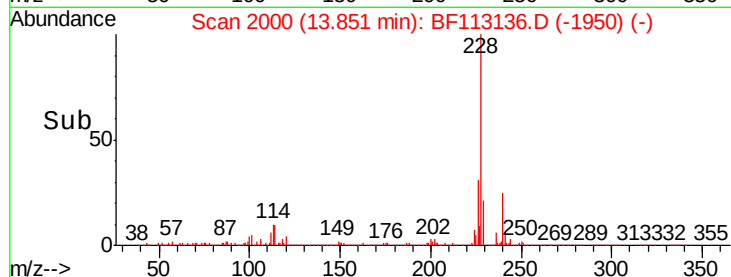
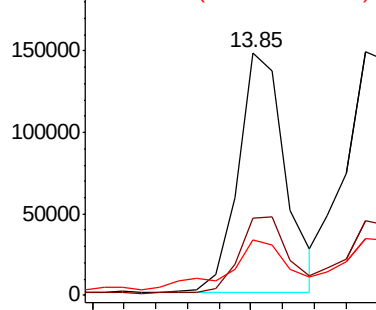
#81
Benzo(a)anthracene
Concen: 6.151 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OK-02-031819

Tgt Ion:228 Resp: 153311
Ion Ratio Lower Upper
228 100
226 32.0 22.2 33.4
229 23.0 16.0 24.0

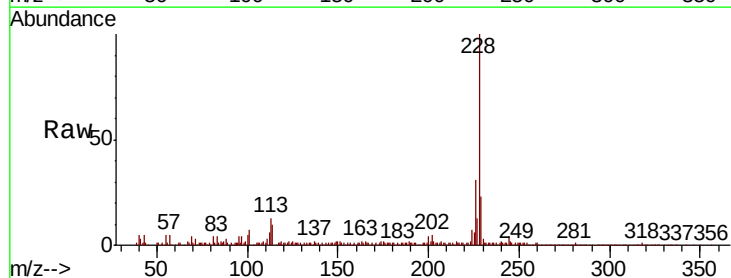


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

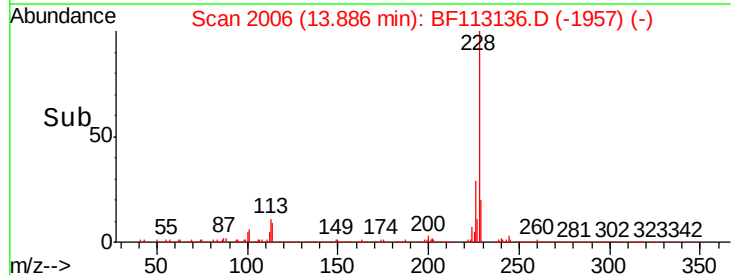
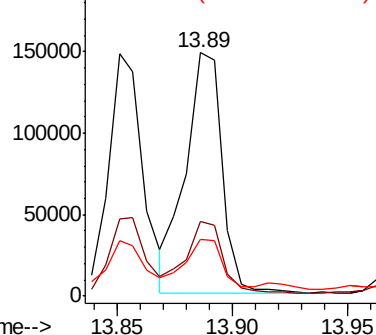


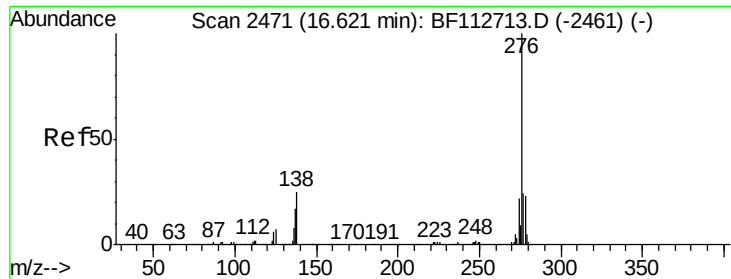
#83
Chrysene
Concen: 6.691 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion:228 Resp: 163335
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 23.5 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

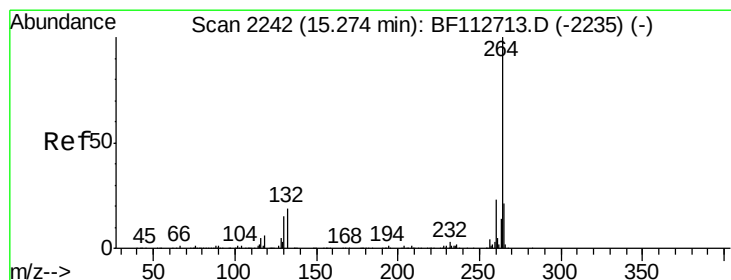
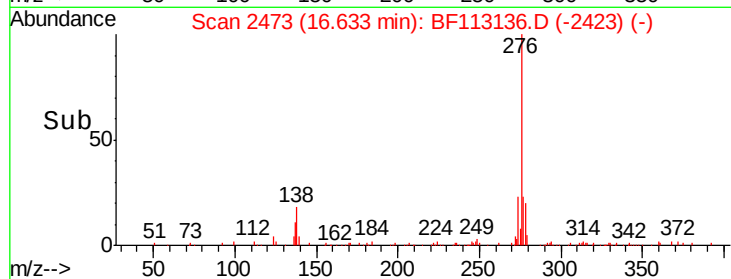
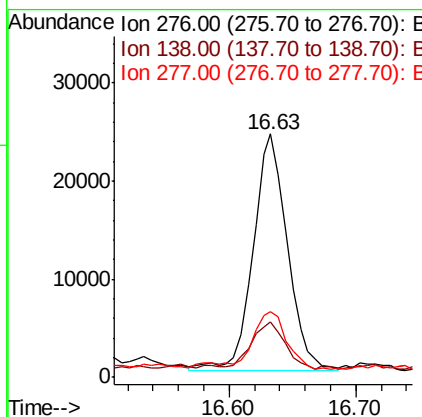
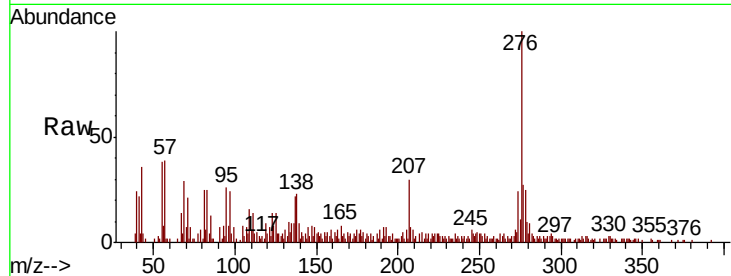




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.168 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

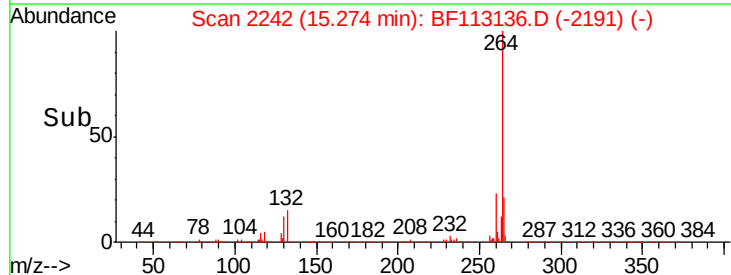
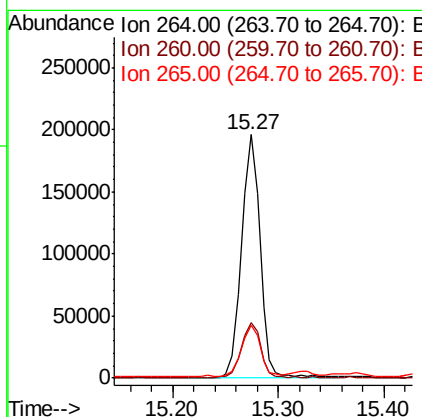
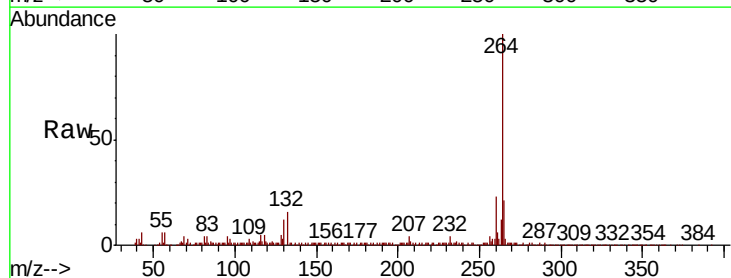
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-031819

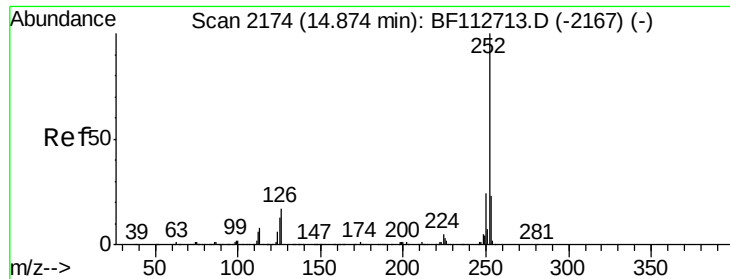
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	23.2	34.8#
277	23.5	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113136.D
 Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.2	25.8

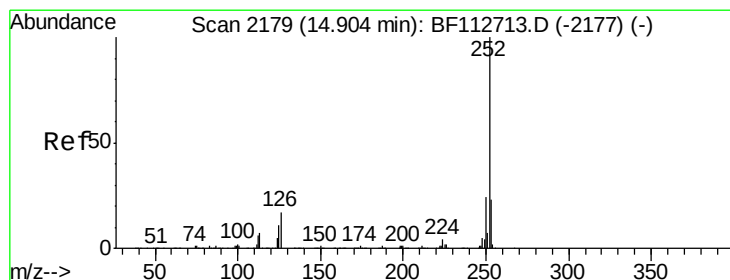
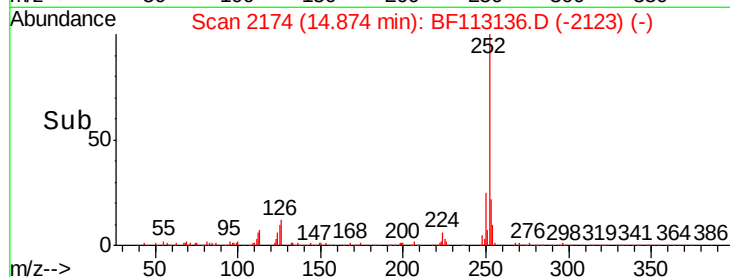
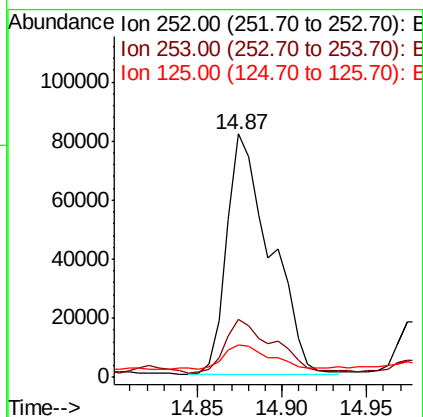
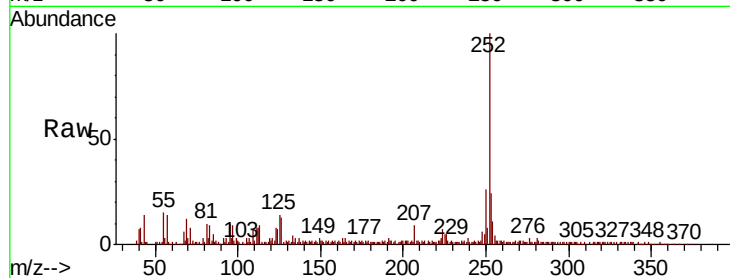




#88
Benzo(b)fluoranthene
Concen: 9.609 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

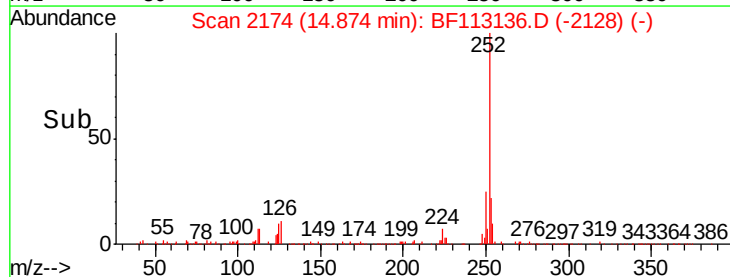
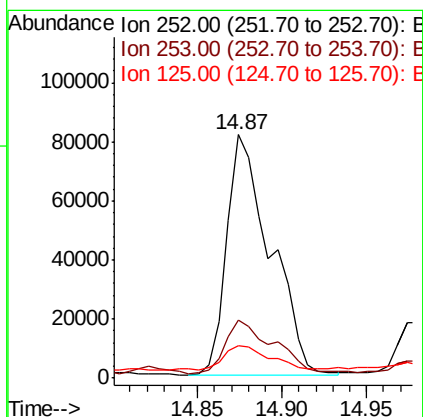
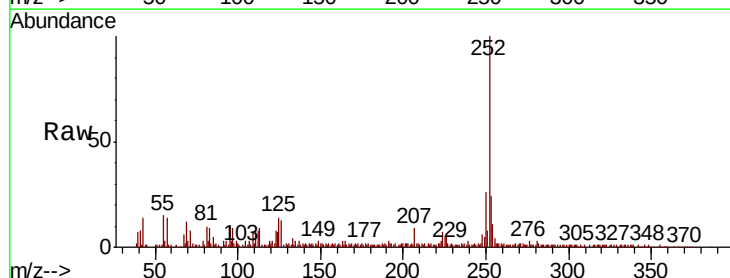
Instrument :
BNA_F
ClientSampleId :
OK-02-031819

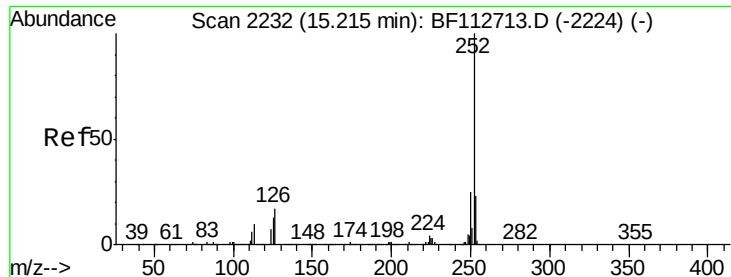
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.6	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 10.608 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113136.D
Acq: 19 Mar 2019 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.6	9.8	14.6





#90

Benzo(a)pyrene

Concen: 6.581 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

OK-02-031819

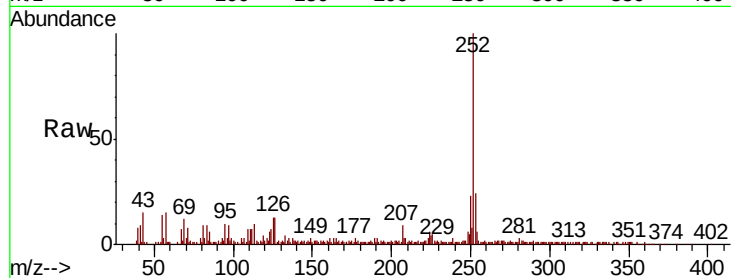
Tgt Ion:252 Resp: 88392

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 13.4 10.7 16.1

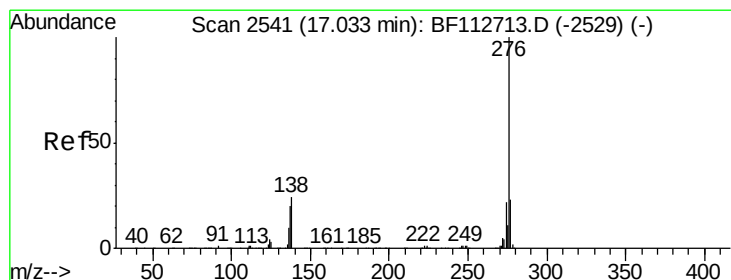
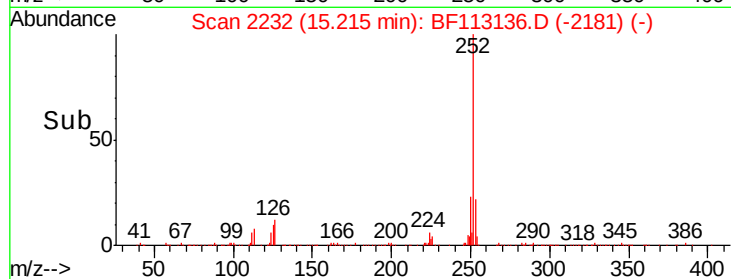
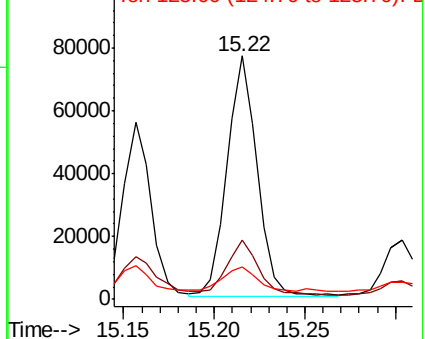


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 4.044 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113136.D

Acq: 19 Mar 2019 20:11

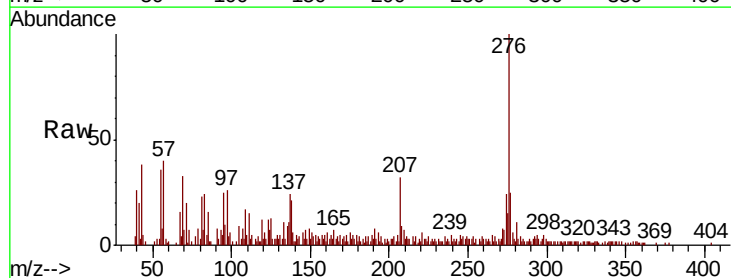
Tgt Ion:276 Resp: 46537

Ion Ratio Lower Upper

276 100

277 25.1 18.6 27.8

138 20.9 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

