

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113903.D
 Acq On : 23 Apr 2019 2:40
 Operator : JU/SJ
 Sample : K2199-15RE 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Apr 23 06:40:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	183431	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	653595	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	330812	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	682363	20.00	ng	0.00
76) Chrysene-d12	14.06	240	582893	20.00	ng	-0.01
87) Perylene-d12	15.54	264	466444	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	233058	21.73	ng	0.00
7) Phenol-d6	6.52	99	297040	22.08	ng	0.00
23) Nitrobenzene-d5	7.45	82	152527	14.41	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	89387	22.18	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	324183	15.33	ng	0.00
79) Terphenyl-d14	13.00	244	445206	15.66	ng	0.00

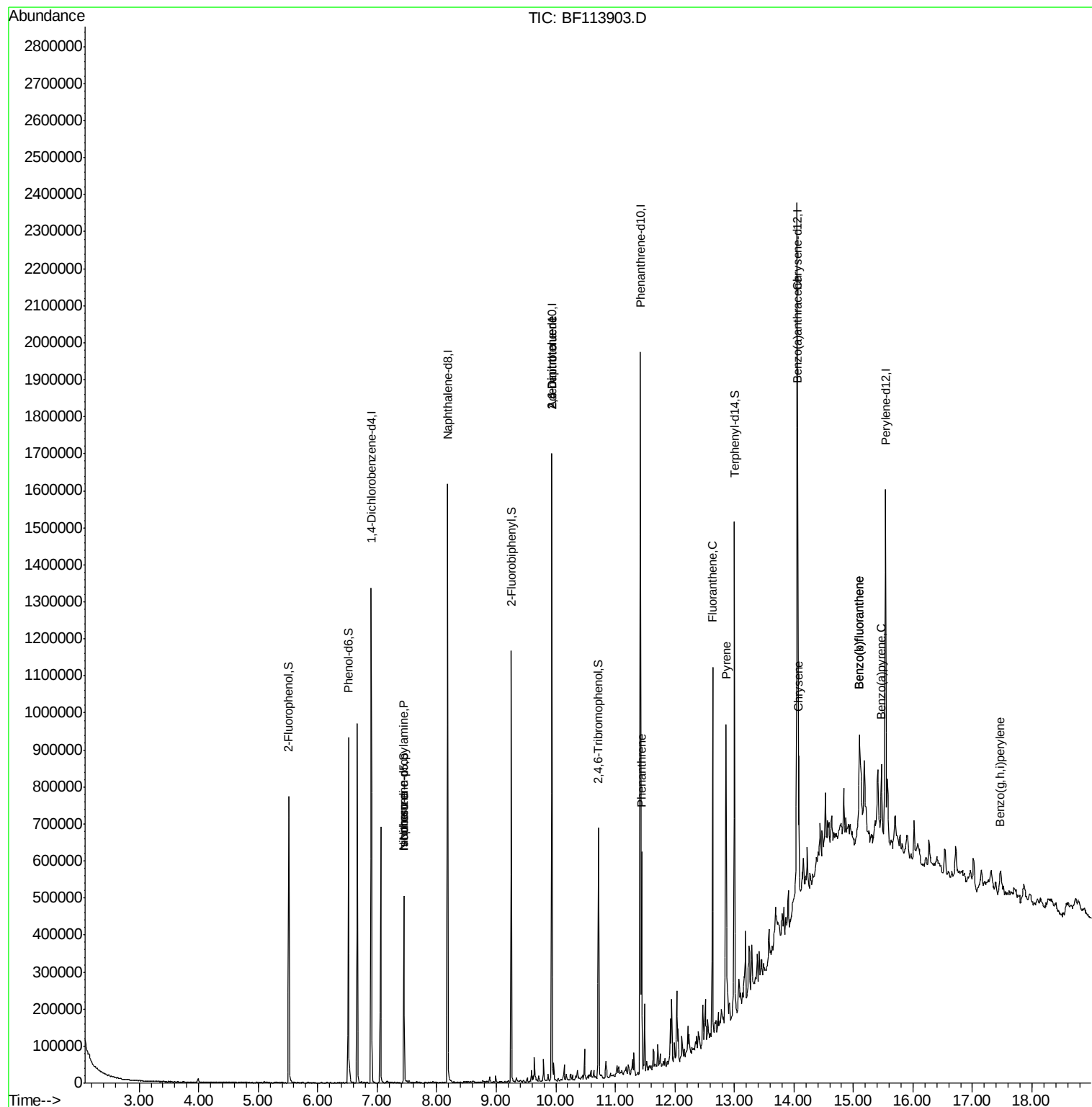
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	353	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	20260	2.325 ng	#	75
25) Isophorone	7.45	82	152525	7.042 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	42966	8.371 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	42966	6.632 ng	#	29
71) Phenanthrene	11.45	178	225186	6.567 ng		97
75) Fluoranthene	12.63	202	374848	10.019 ng		96
78) Pyrene	12.86	202	348262	8.544 ng		97
81) Benzo(a)anthracene	14.04	228	165116	4.808 ng		95
83) Chrysene	14.08	228	145607	4.353 ng		96
88) Benzo(b)fluoranthene	15.10	252	182483	6.183 ng	#	92
89) Benzo(k)fluoranthene	15.10	252	182483	7.189 ng	#	93
90) Benzo(a)pyrene	15.47	252	95158	3.728 ng	#	93
92) Benzo(a,h,i)perylene	17.47	276	51393	2.125 ng		96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
Data File : BF113903.D
Acq On : 23 Apr 2019 2:40
Operator : JU/SJ
Sample : K2199-15RE 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Apr 23 06:40:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration



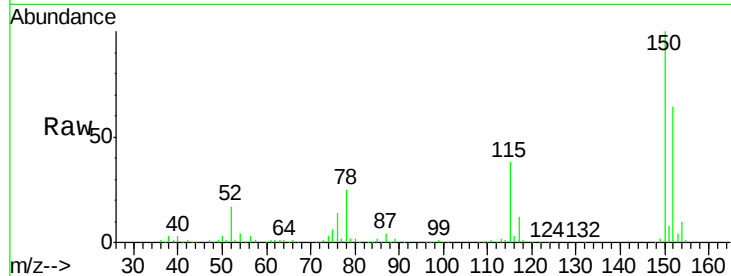


#1

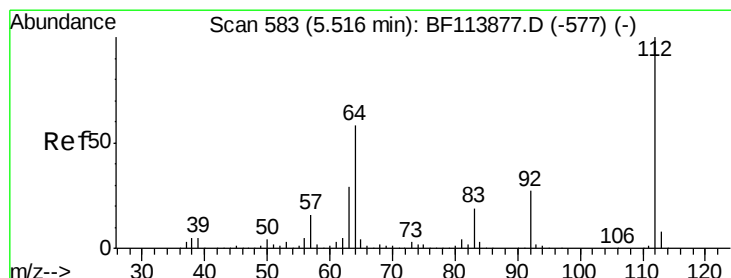
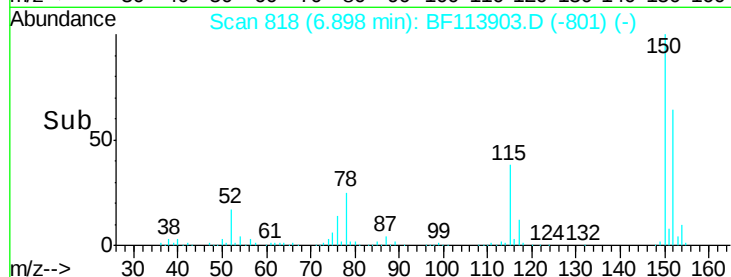
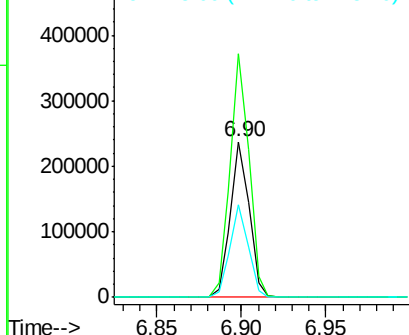
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

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

Tot Ion:152 Resp: 183431
Ion Ratio Lower Upper
152 100
150 156.8 125.9 188.9
115 59.5 45.9 68.9



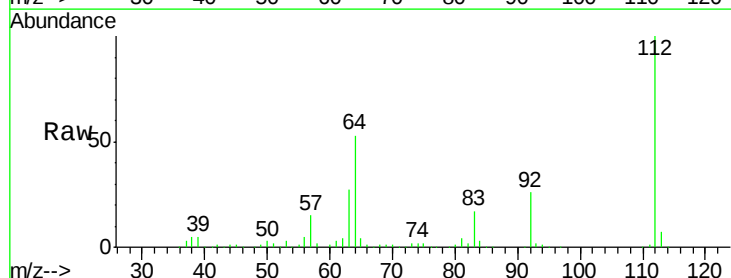
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



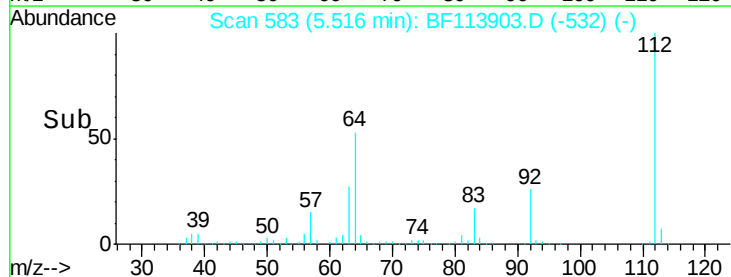
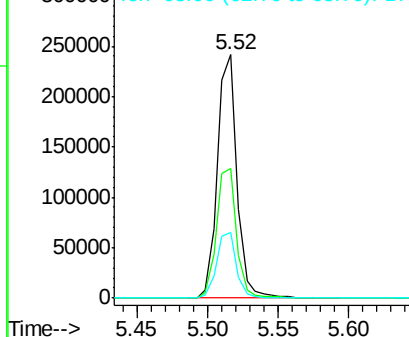
#5

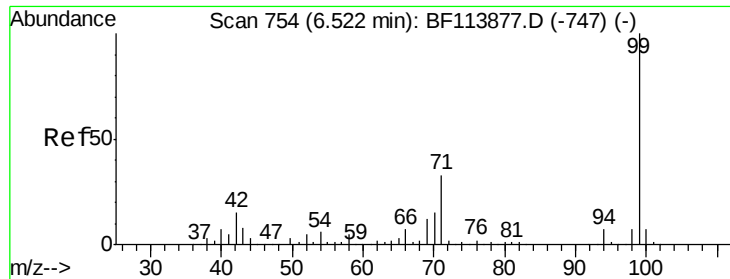
2-Fluorophenol
Concen: 21.731 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

Tgt Ion:112 Resp: 233058
Ion Ratio Lower Upper
112 100
64 53.4 46.6 69.8
63 26.8 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: 22.076 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

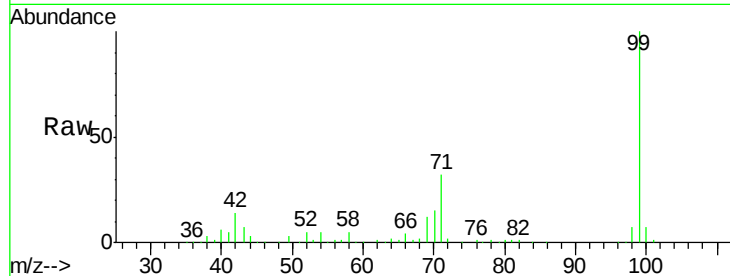
Tot Ion: 99 Resp: 297040

Ion Ratio Lower Upper

99 100

42 14.1 12.5 18.7

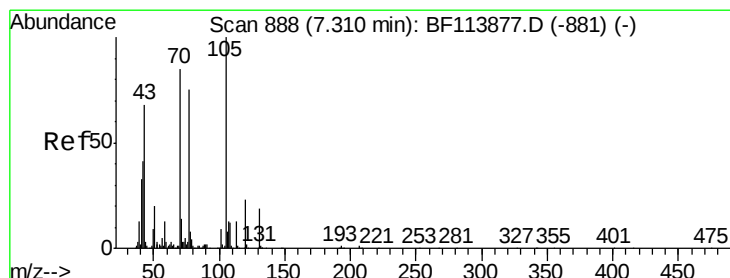
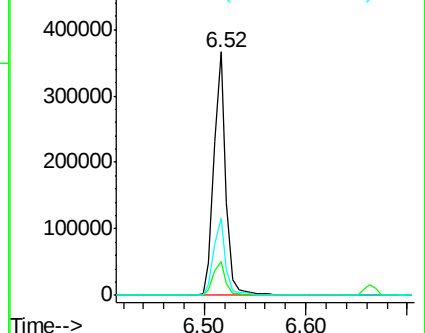
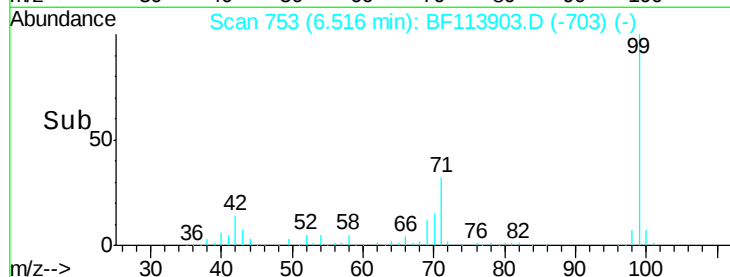
71 31.5 26.9 40.3



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: 2.325 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Tgt Ion: 70 Resp: 20260

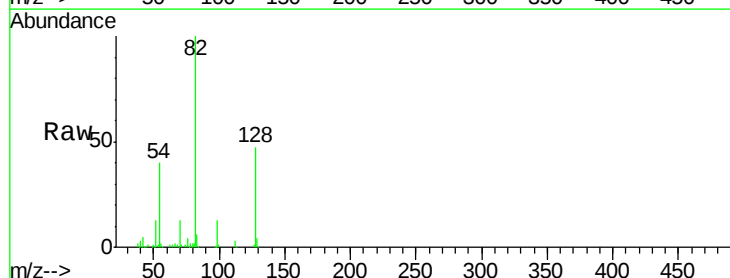
Ion Ratio Lower Upper

70 100

42 36.1 37.3 55.9#

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

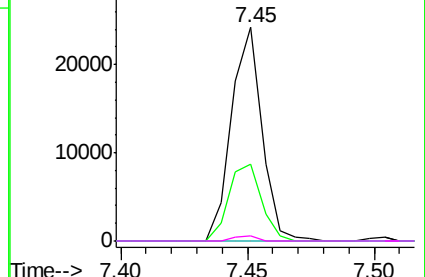
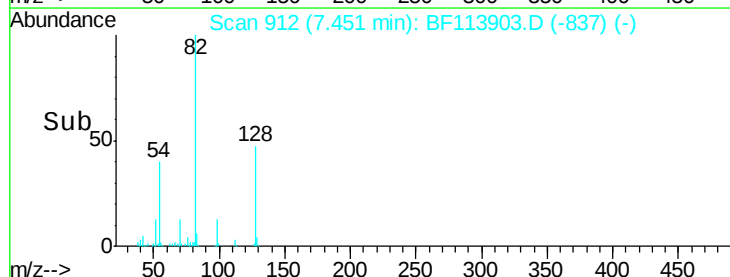


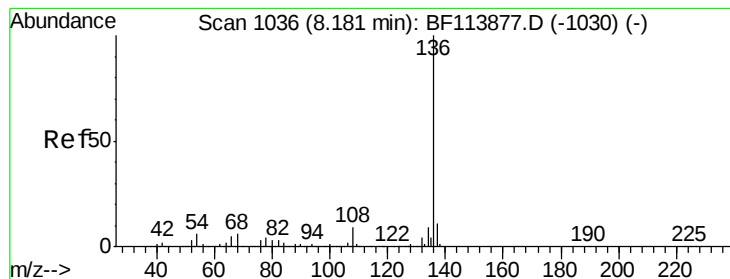
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

Tot Ion:136 Resp: 653595

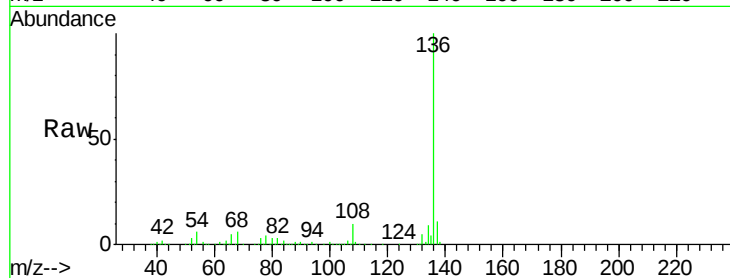
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.4 5.0 7.6

68 6.3 4.9 7.3

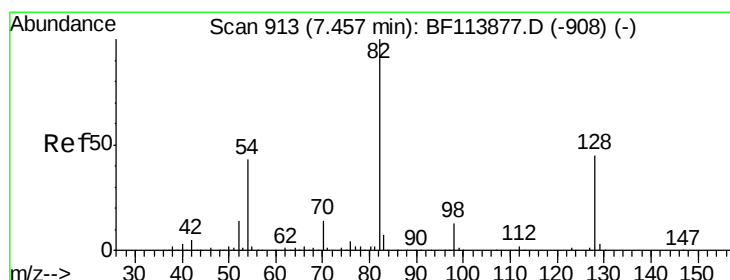
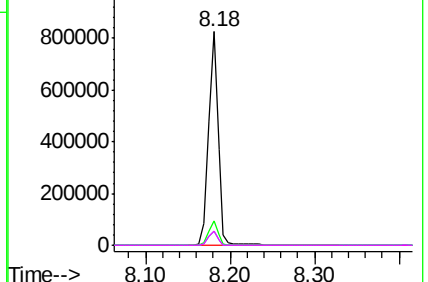
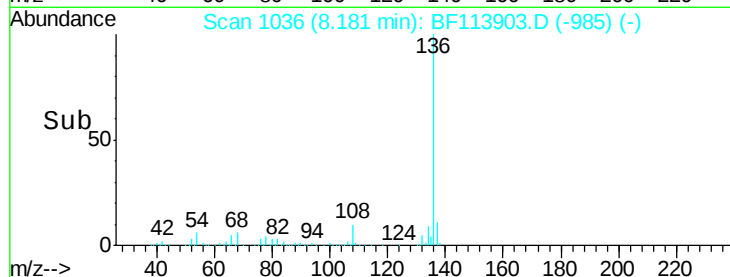


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.409 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

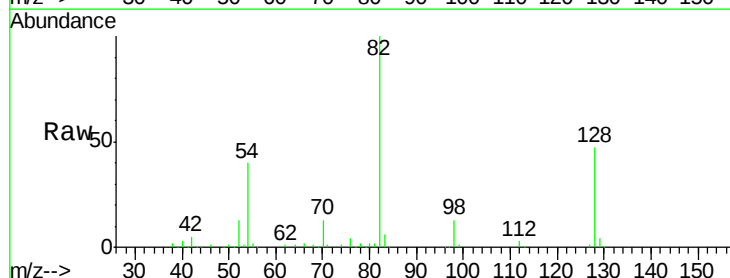
Tgt Ion: 82 Resp: 152527

Ion Ratio Lower Upper

82 100

128 46.8 36.8 55.2

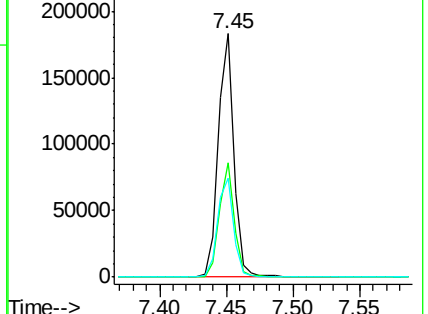
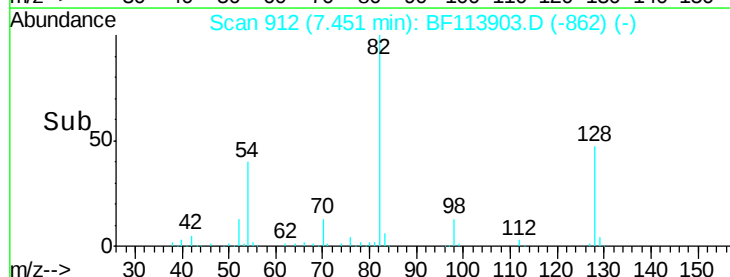
54 40.5 33.8 50.6

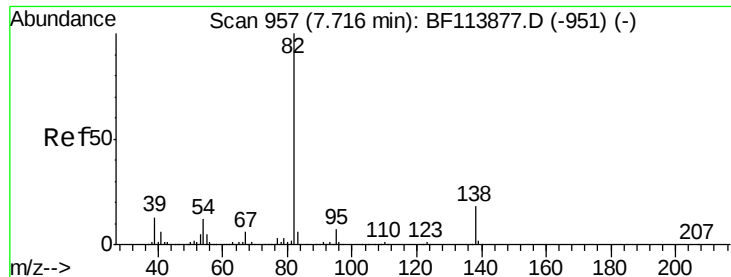


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.042 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

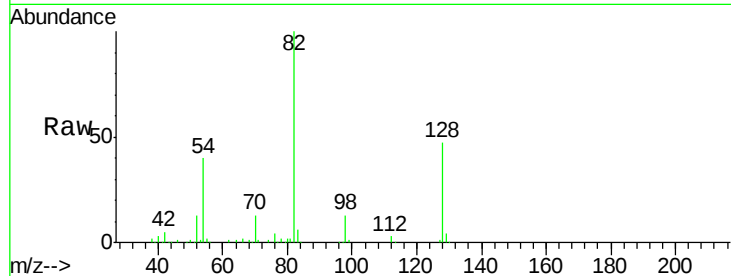
Tot Ion: 82 Resp: 152525

Ion Ratio Lower Upper

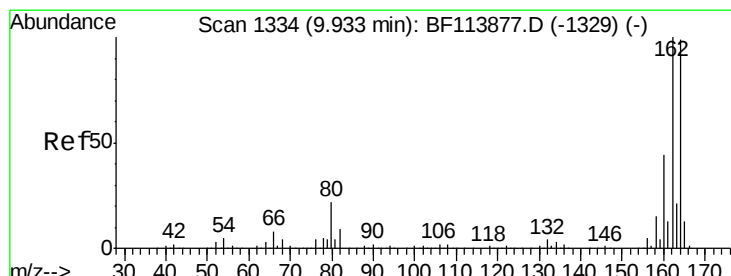
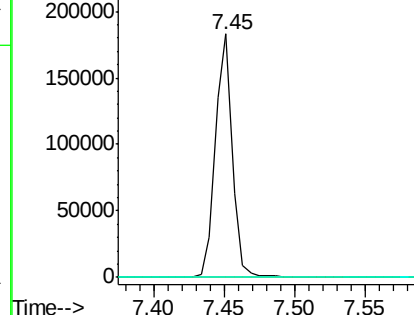
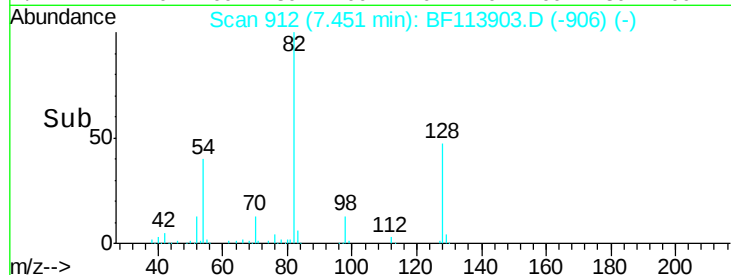
82 100

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: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

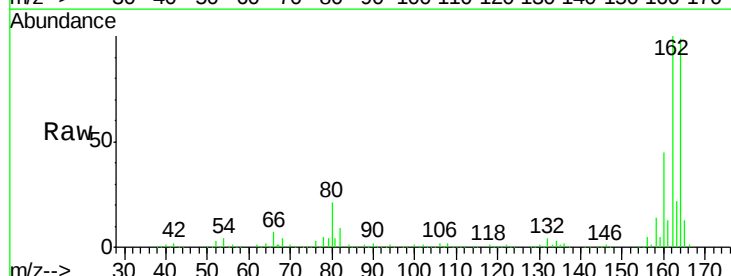
Tgt Ion: 164 Resp: 330812

Ion Ratio Lower Upper

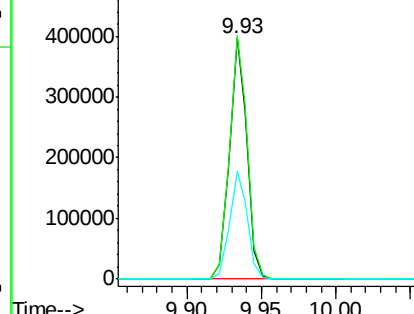
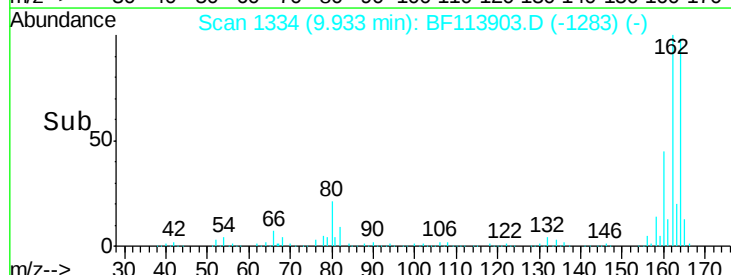
164 100

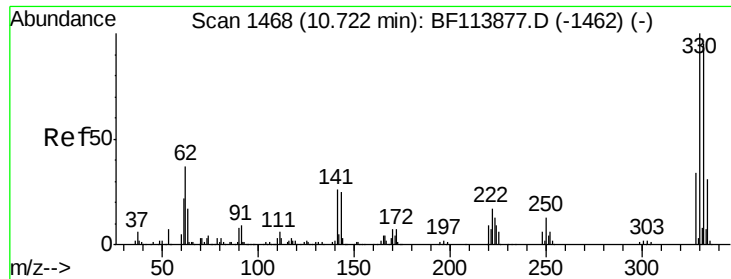
162 101.3 81.1 121.7

160 45.1 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

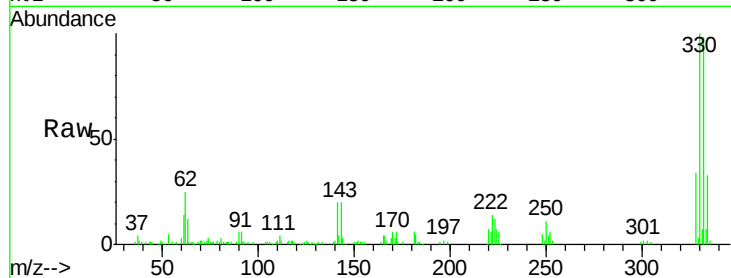




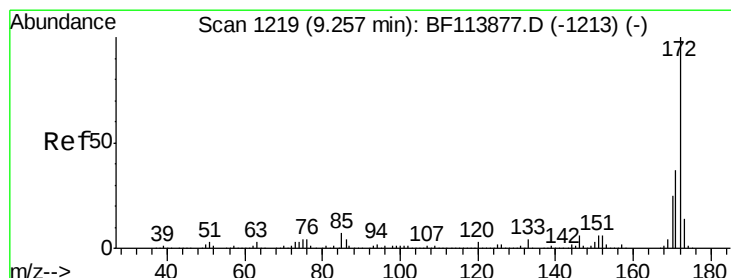
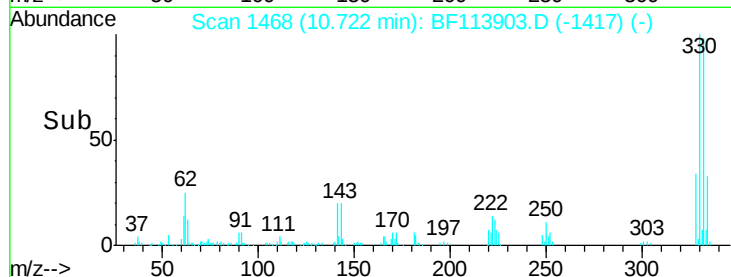
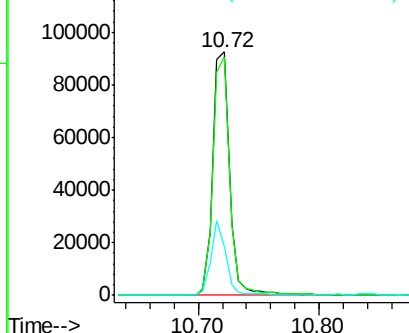
#42
 2,4,6-Tribromophenol
 Concen: 22.181 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113903.D
 Acq: 23 Apr 2019 2:40

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

Tot Ion:330 Resp: 89387
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.5 116.3
 141 27.8 22.2 33.2

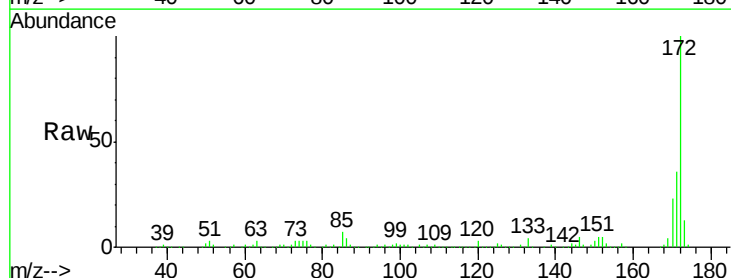


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

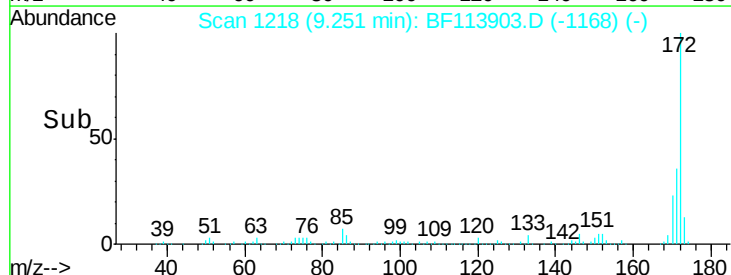
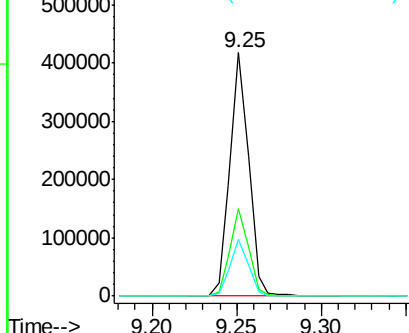


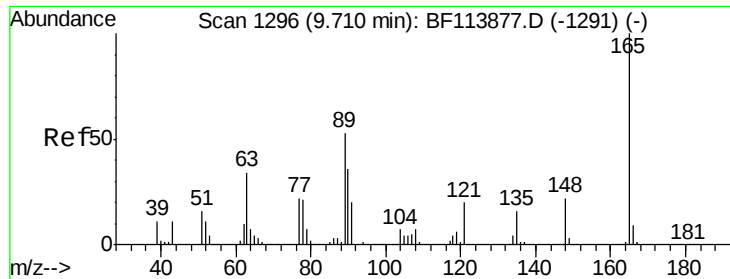
#45
 2-Fluorobiphenyl
 Concen: 15.327 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113903.D
 Acq: 23 Apr 2019 2:40

Tgt Ion:172 Resp: 324183
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.2 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: 8.371 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

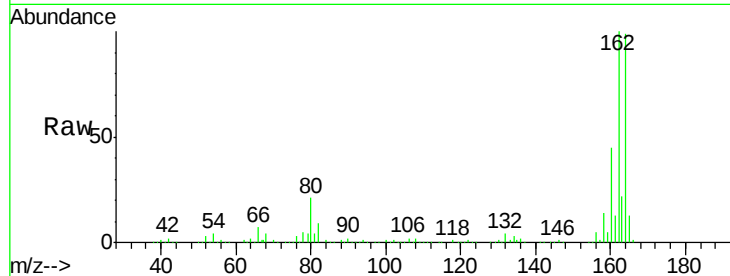
Tot Ion:165 Resp: 42966

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

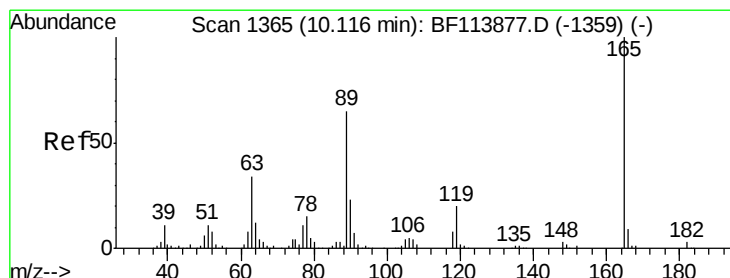
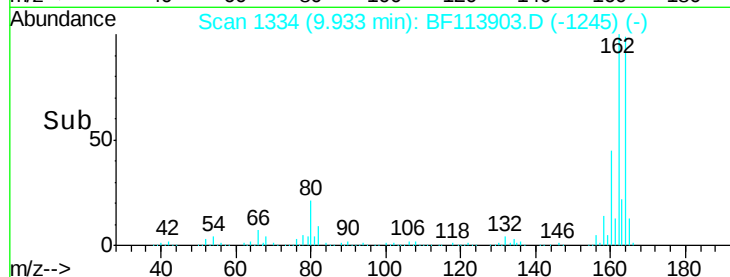
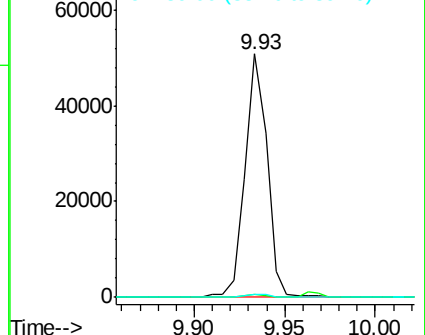
89 1.0 38.2 57.2#



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: 6.632 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Tgt Ion:165 Resp: 42966

Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.0 51.8 77.6#

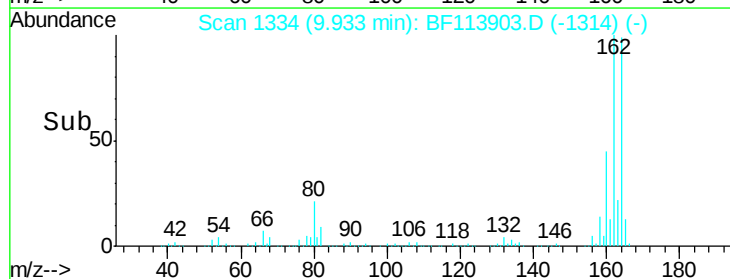
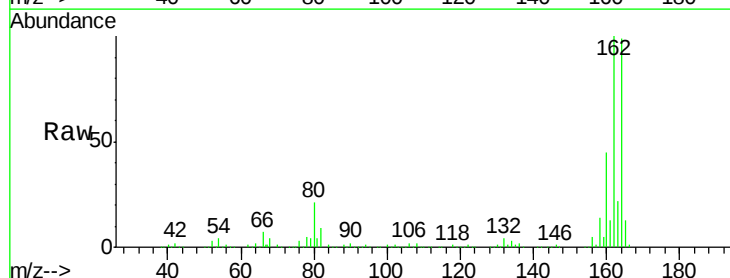
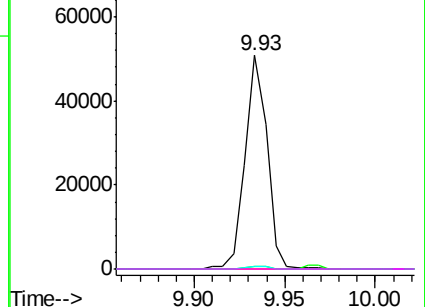
182 0.0 2.2 3.2#

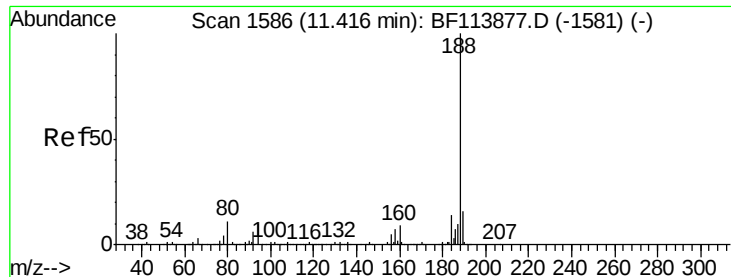
Abundance Ion 165.00 (164.70 to 165.70): E

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

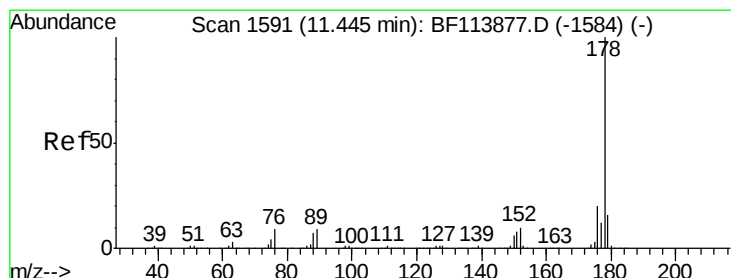
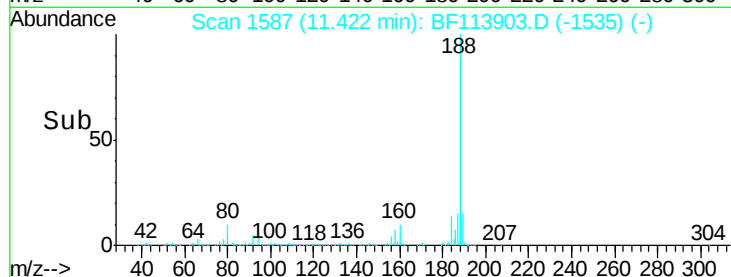
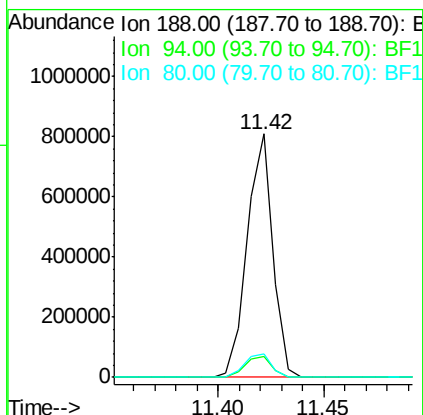
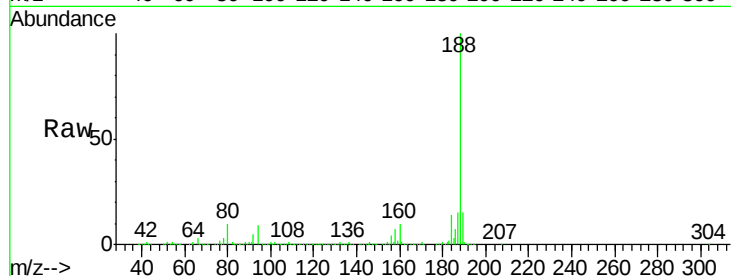




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

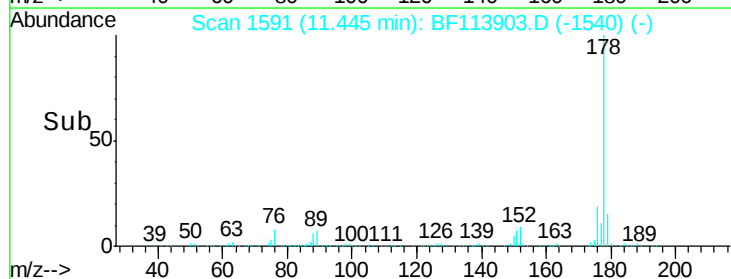
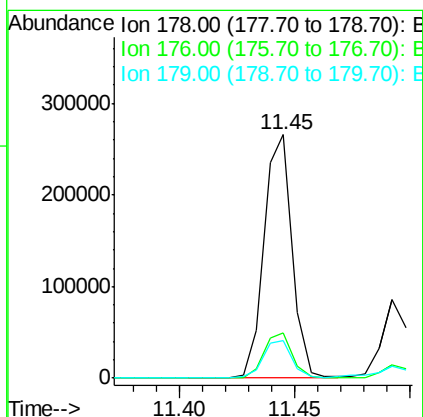
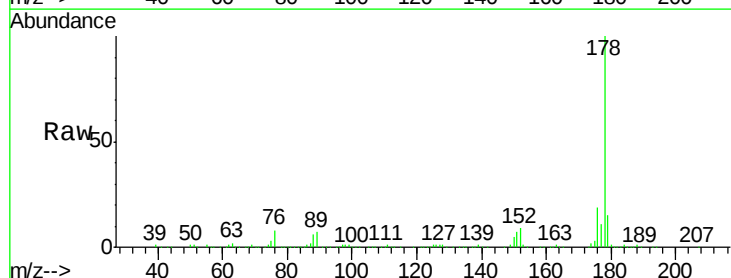
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

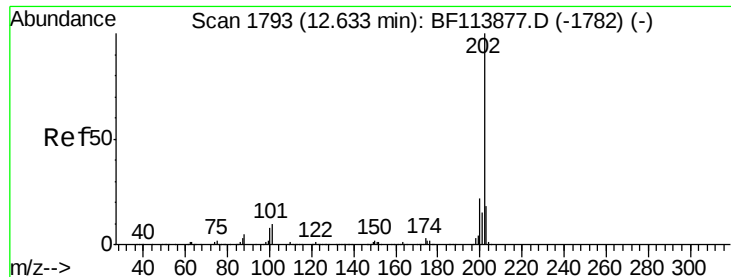
Tot Ion:188 Resp: 682363
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.4
80 9.7 9.0 13.6



#71
Phenanthrene
Concen: 6.567 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

Tgt Ion:178 Resp: 225186
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 15.2 12.8 19.2





#75

Fluoranthene

Concen: 10.019 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

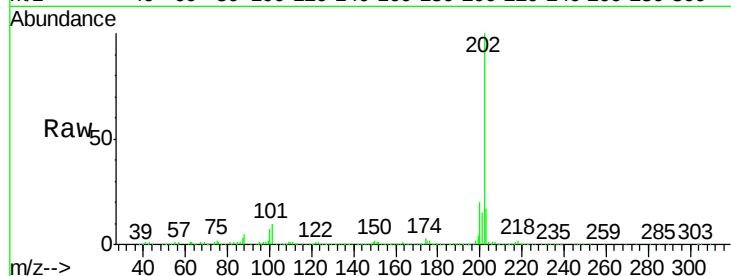
Tot Ion:202 Resp: 374848

Ion Ratio Lower Upper

202 100

101 9.9 0.0 32.9

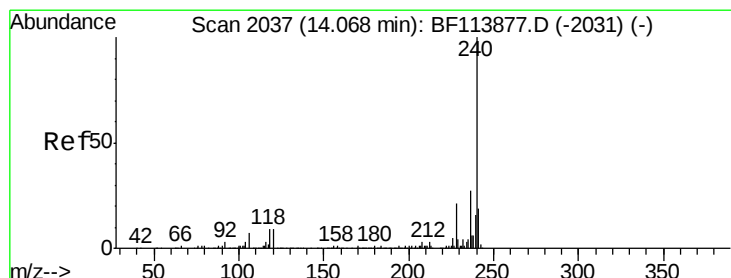
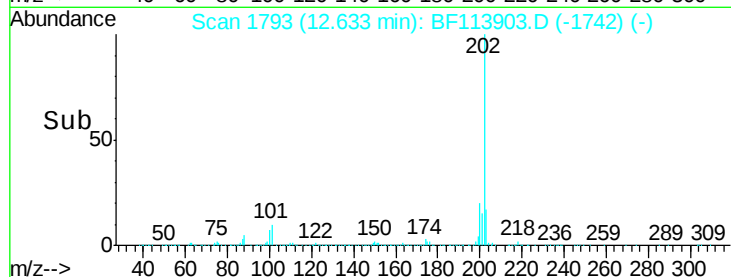
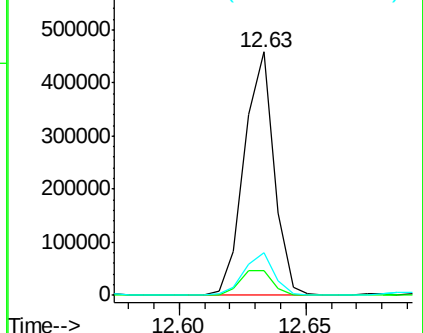
203 17.4 0.0 38.2



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: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

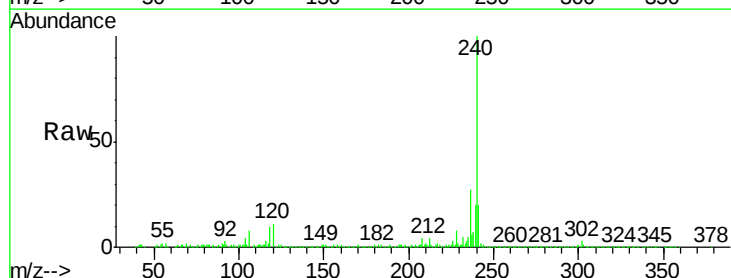
Tgt Ion:240 Resp: 582893

Ion Ratio Lower Upper

240 100

120 10.6 9.3 13.9

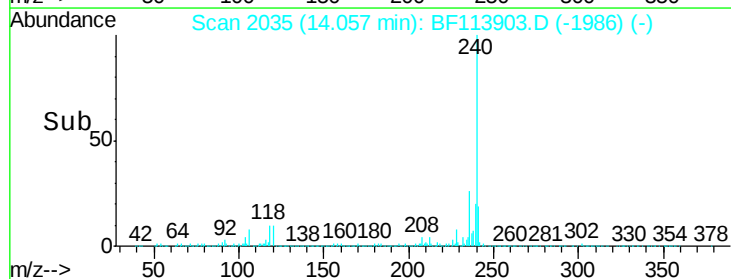
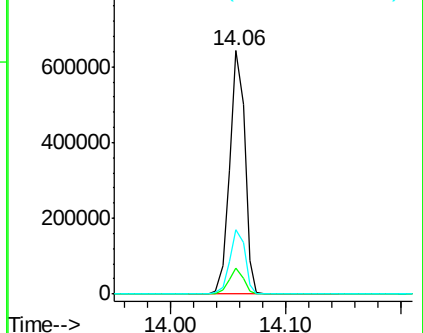
236 26.6 21.2 31.8

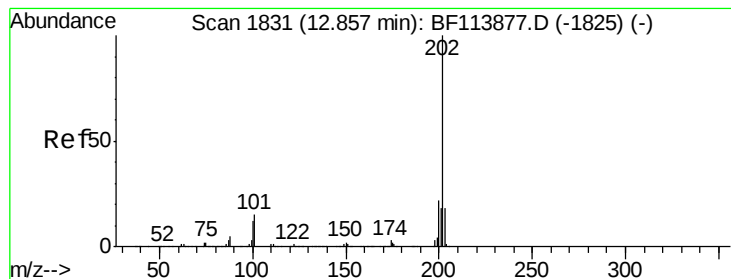


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.544 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

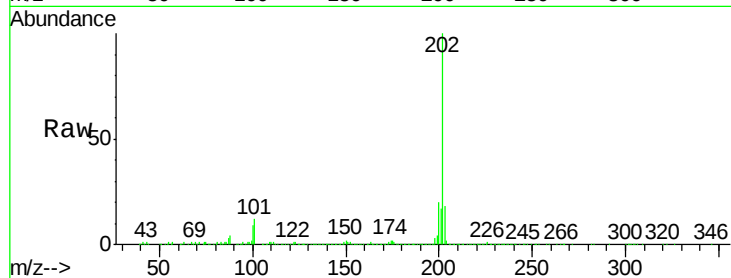
Tot Ion:202 Resp: 348262

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

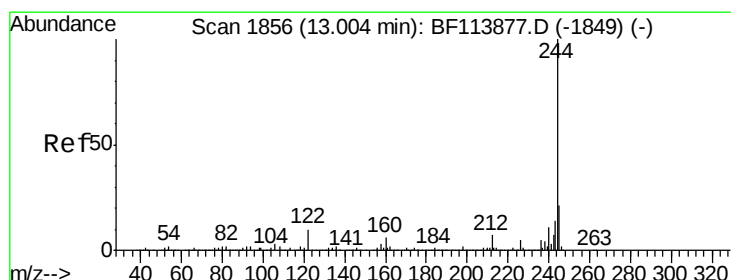
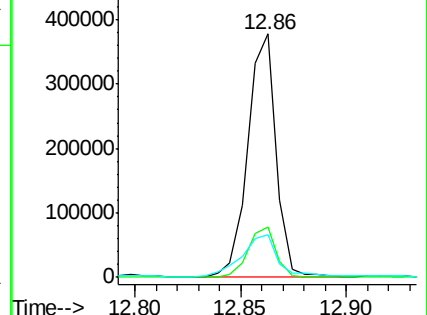
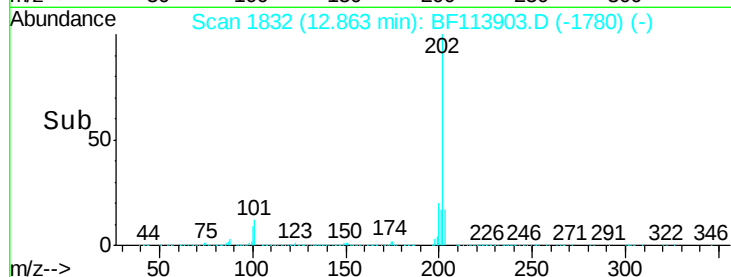
203 17.6 15.0 22.6



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: 15.659 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

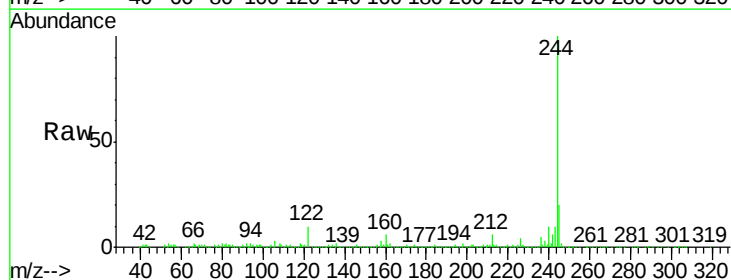
Tgt Ion:244 Resp: 445206

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

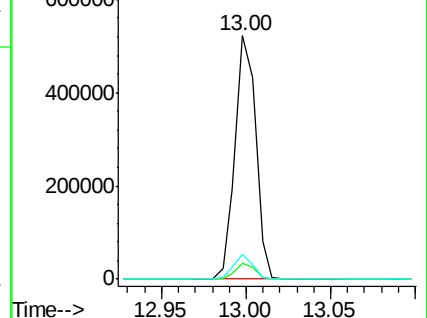
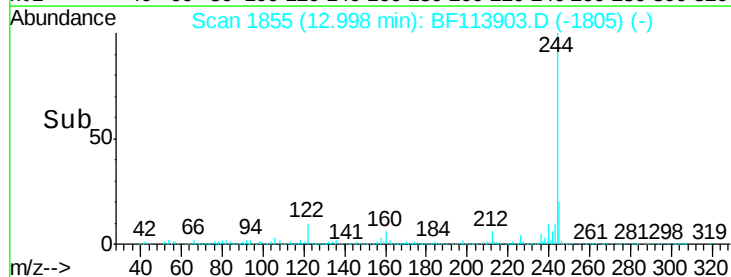
122 10.3 7.6 11.4

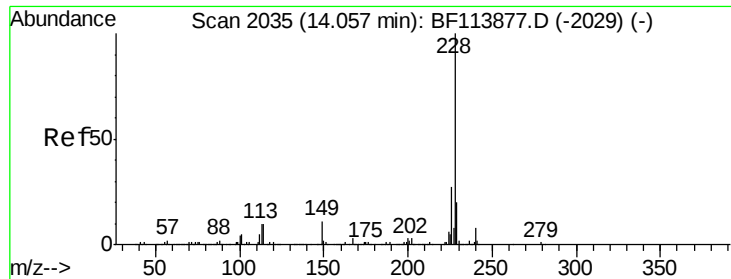


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.808 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

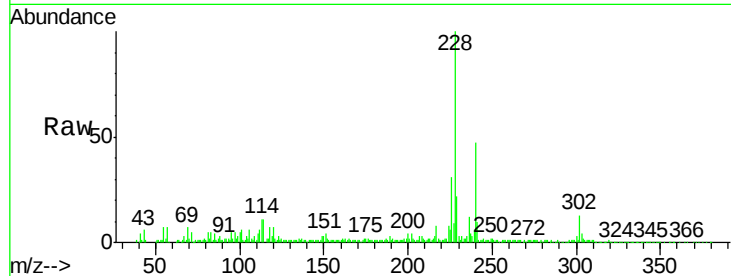
Tot Ion:228 Resp: 165116

Ion Ratio Lower Upper

228 100

226 31.1 22.2 33.2

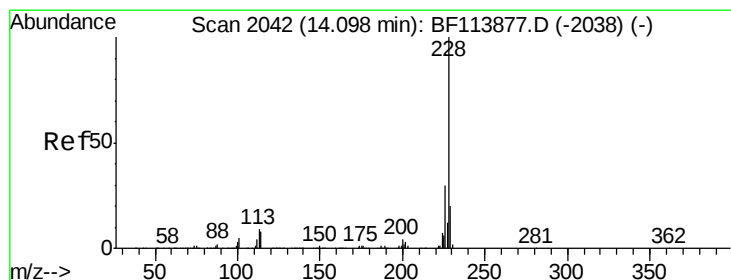
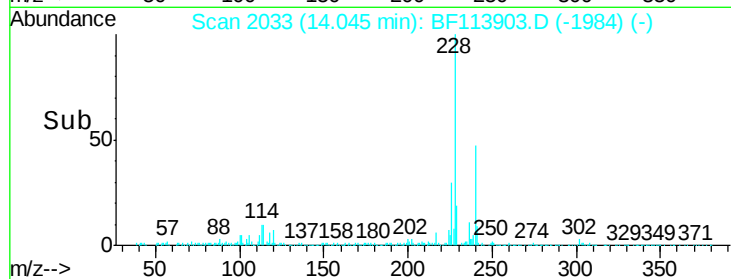
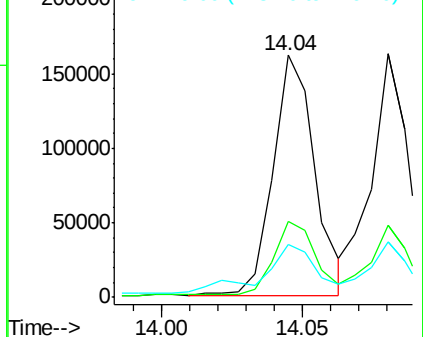
229 21.6 16.0 24.0



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: 4.353 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

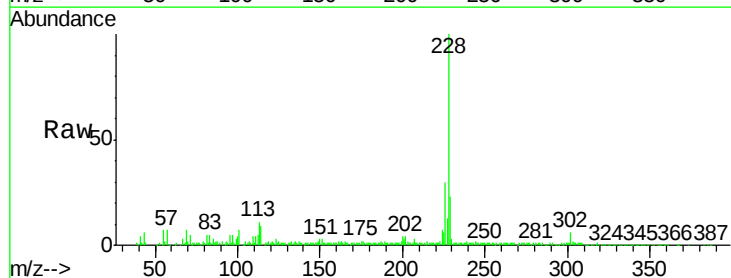
Tgt Ion:228 Resp: 145607

Ion Ratio Lower Upper

228 100

226 29.8 25.2 37.8

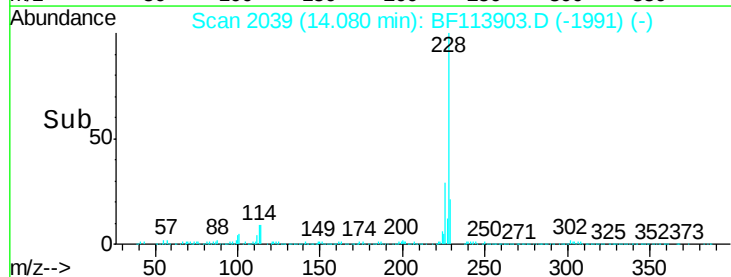
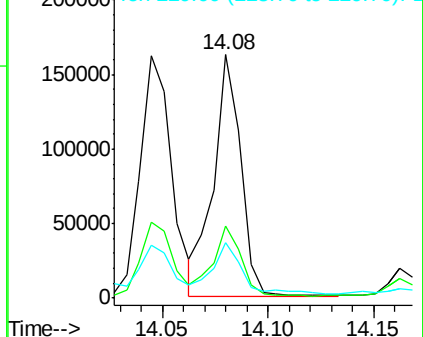
229 22.9 16.7 25.1

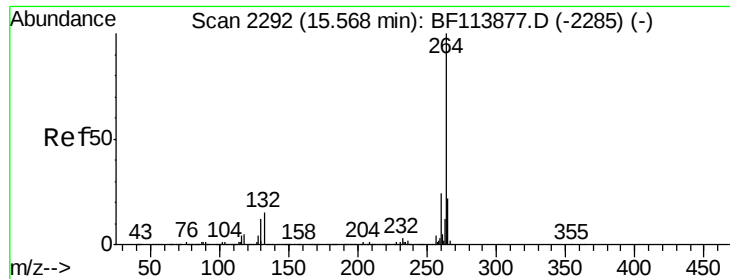


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

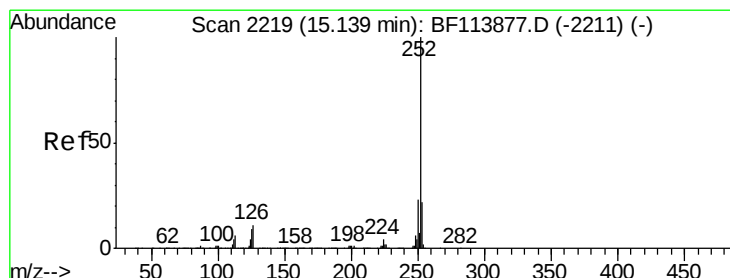
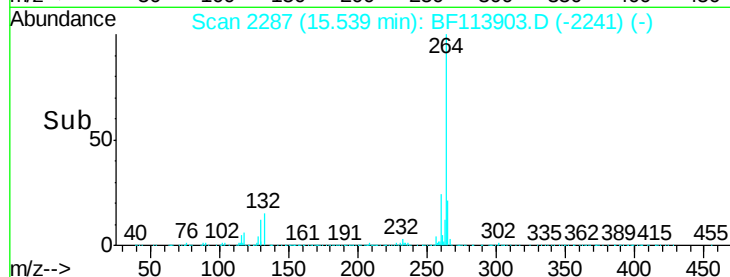
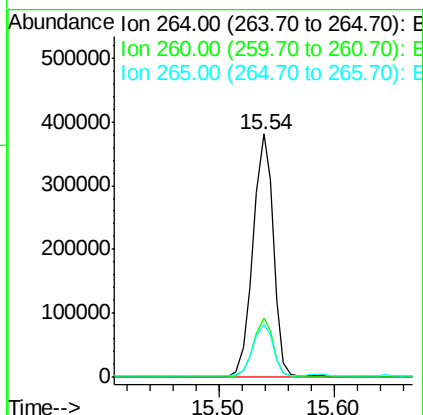
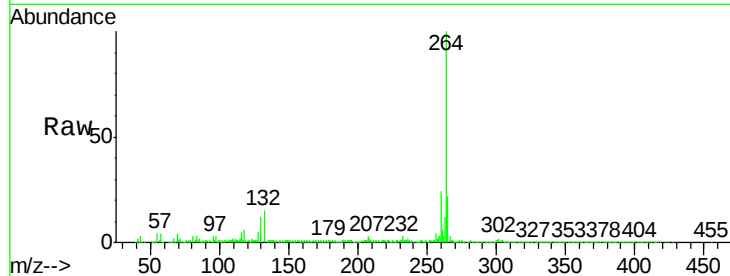




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

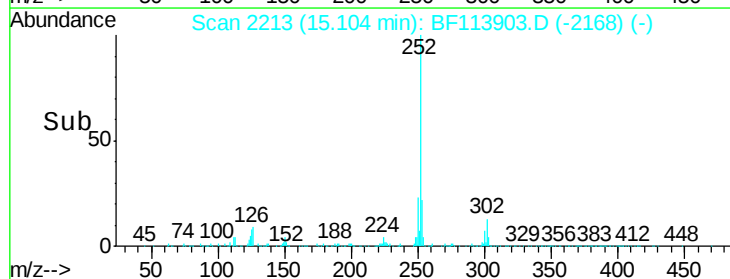
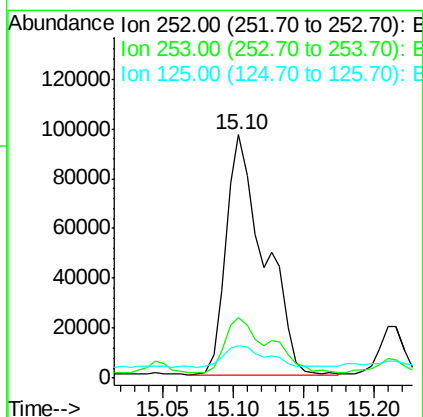
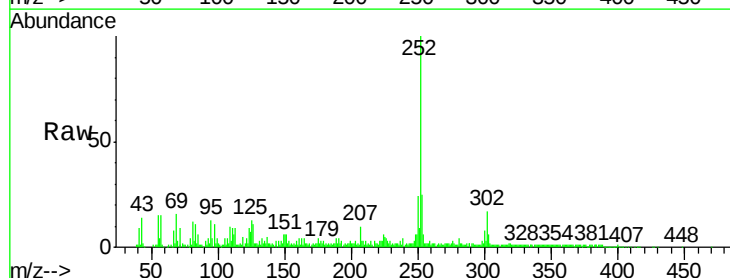
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-B

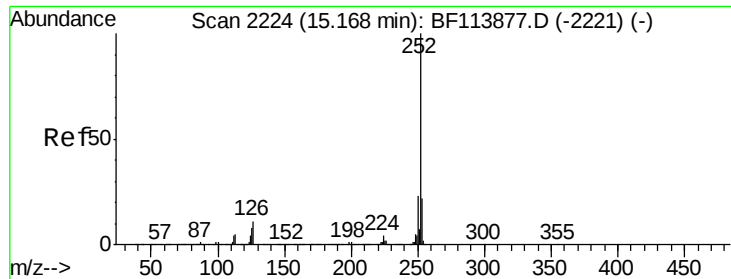
Tot Ion:264 Resp: 466444
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 21.6 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 6.183 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113903.D
Acq: 23 Apr 2019 2:40

Tgt Ion:252 Resp: 182483
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.6
125 13.5 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 7.189 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.06 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

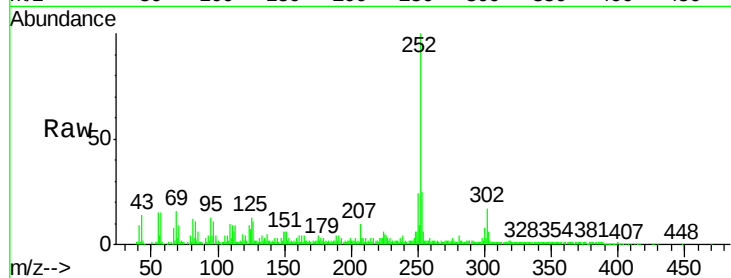
Tot Ion:252 Resp: 182483

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

125 13.5 7.4 11.2#

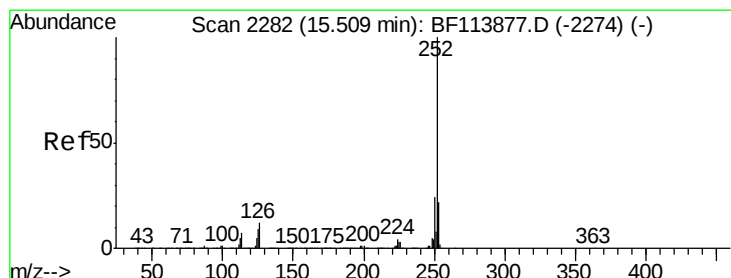
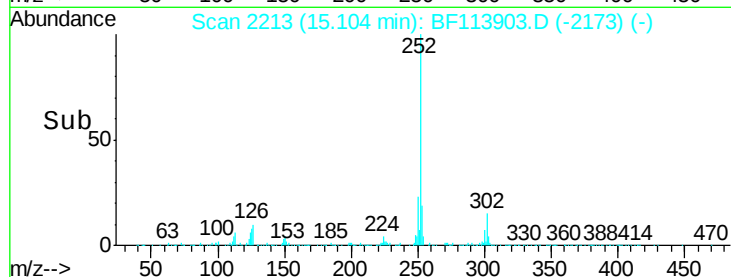


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#90

Benzo(a)pyrene

Concen: 3.728 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.04 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

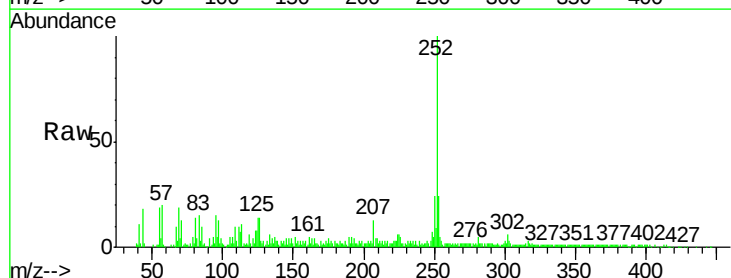
Tgt Ion:252 Resp: 95158

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.1 8.5 12.7#

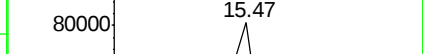
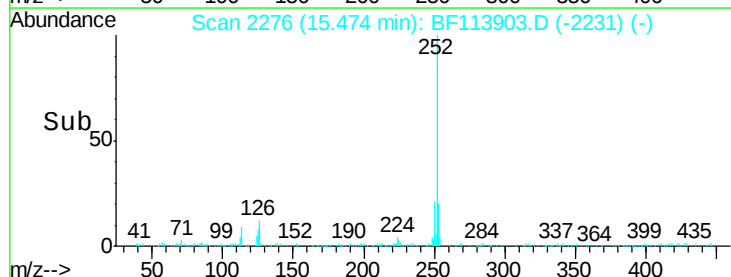


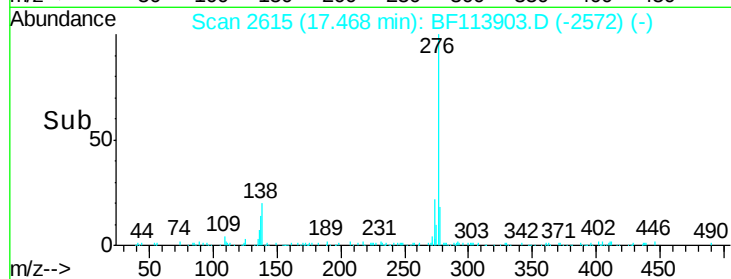
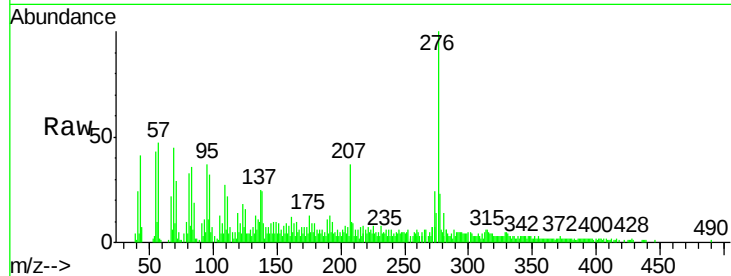
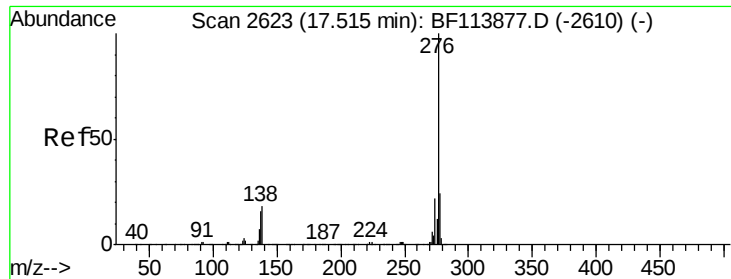
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#92

Benzo(a,h,i)perylene

Concen: 2.125 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.05 min

Lab File: BF113903.D

Acq: 23 Apr 2019 2:40

Instrument :

BNA_F

ClientSampleId :

OR-03-041819-B

Tot Ion:276 Resp: 51393

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 23.7 16.6 25.0

