

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113227.D
 Acq On : 22 Mar 2019 00:58
 Operator : JU/SJ
 Sample : K1989-05DL2 100X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Quant Time: Mar 22 02:19:50 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

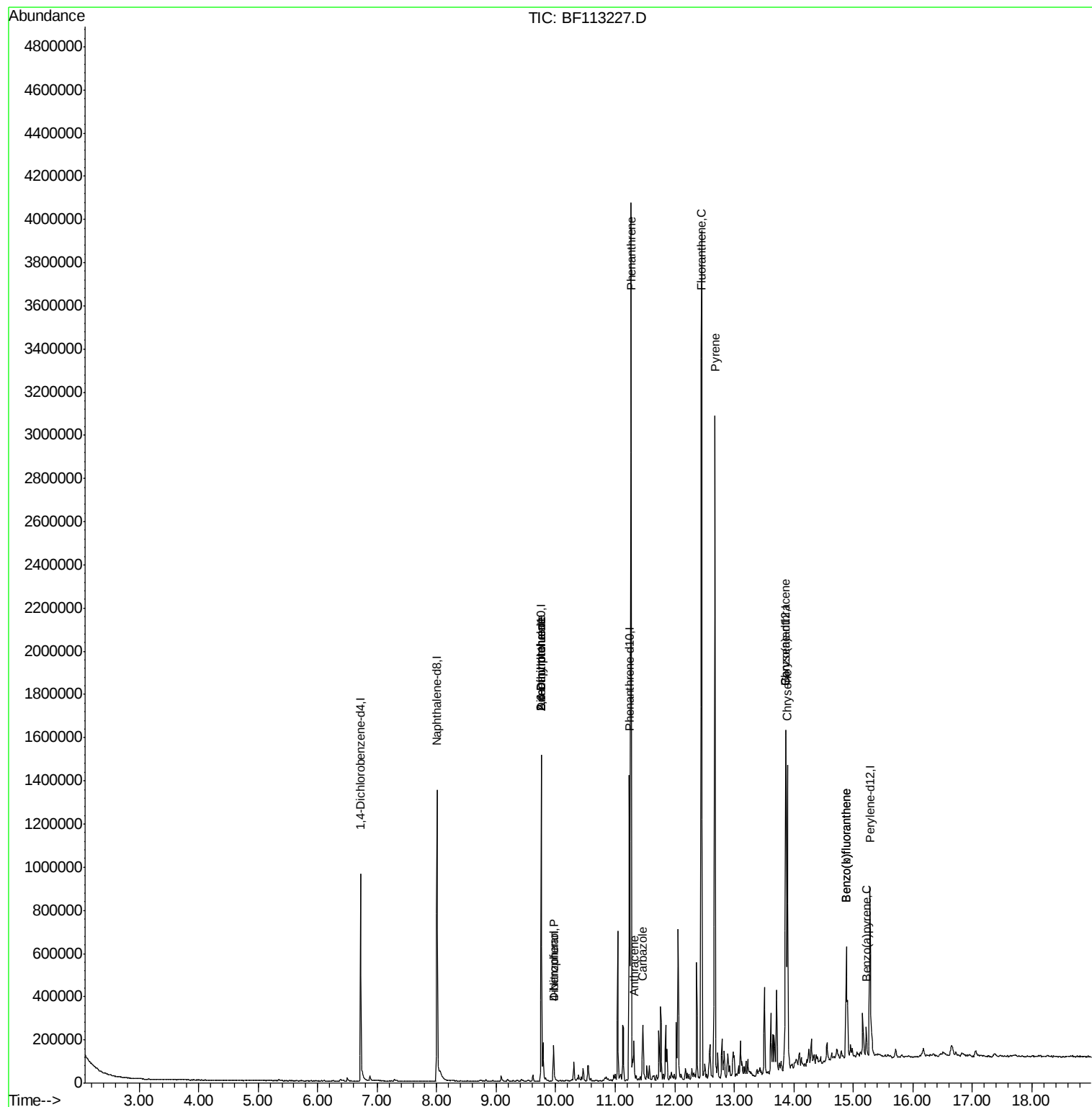
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165462	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	710534	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	323508	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	577935	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	489037	20.00	ng	0.00
87) Perylene-d12	15.28	264	408076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	5791	0.54	ng	0.00
7) Phenol-d6	6.38	99	8679	0.65	ng	0.00
23) Nitrobenzene-d5	7.29	82	5562	0.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	2229	0.65	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	15637	-1.00	ng	-0.01
79) Terphenyl-d14	12.82	244	15060	0.60	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.76	163	84359	3.536	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	42152	8.486	ng	# 18
55) Dibenzofuran	9.96	168	89747	3.019	ng	95
56) 4-Nitrophenol	9.96	139	31164	6.335	ng	# 8
57) 2,4-Dinitrotoluene	9.76	165	42255	6.843	ng	# 18
71) Phenanthrene	11.26	178	1556635	54.135	ng	100
72) Anthracene	11.31	178	79377	2.637	ng	96
73) Carbazole	11.47	167	112074	3.817	ng	96
75) Fluoranthene	12.45	202	1712148	55.576	ng	97
78) Pyrene	12.67	202	1289320	31.274	ng	99
81) Benzo(a)anthracene	13.86	228	299287	8.830	ng	99
83) Chrysene	13.89	228	525950	15.842	ng	97
88) Benzo(b)fluoranthene	14.88	252	350691	13.286	ng	98
89) Benzo(k)fluoranthene	14.88	252	350691	14.668	ng	98
90) Benzo(a)pyrene	15.22	252	67576	2.894	ng	98

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

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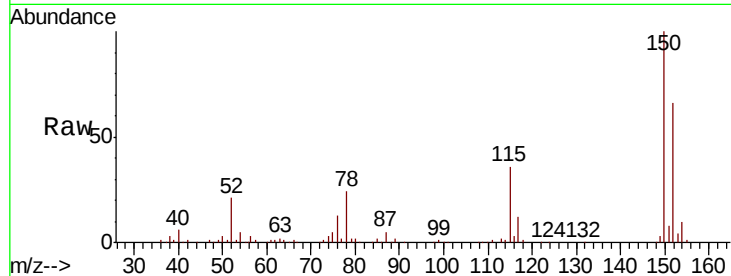


#1

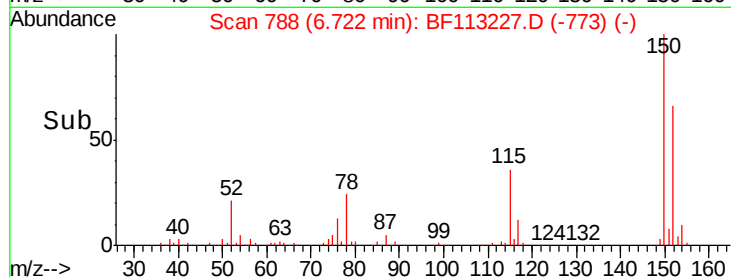
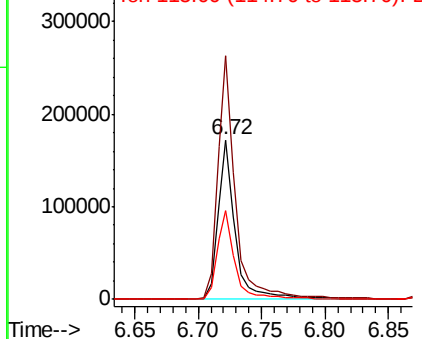
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Tgt Ion:152 Resp: 165462
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.2 186.2
 115 55.5 48.2 72.4



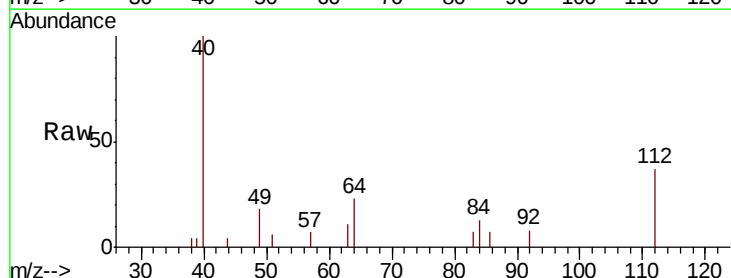
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



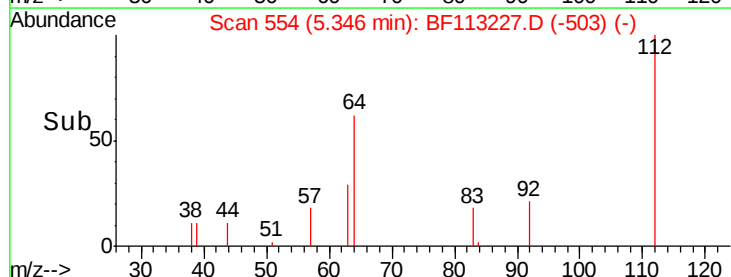
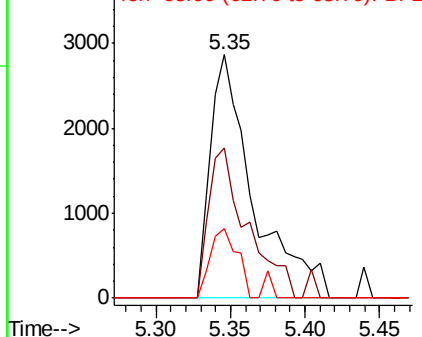
#5

2-Fluorophenol
 Concen: 0.544 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion:112 Resp: 5791
 Ion Ratio Lower Upper
 112 100
 64 61.8 47.6 71.4
 63 28.6 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: 0.650 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

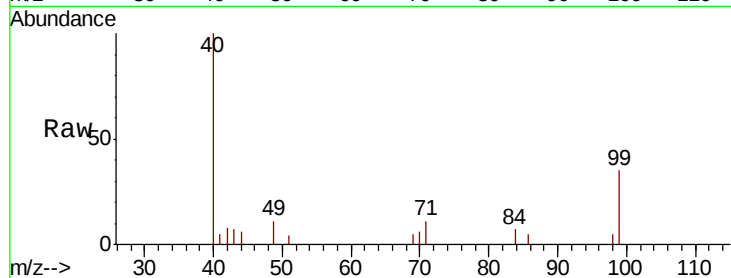
Tgt Ion: 99 Resp: 8679

Ion Ratio Lower Upper

99 100

42 22.6 16.3 24.5

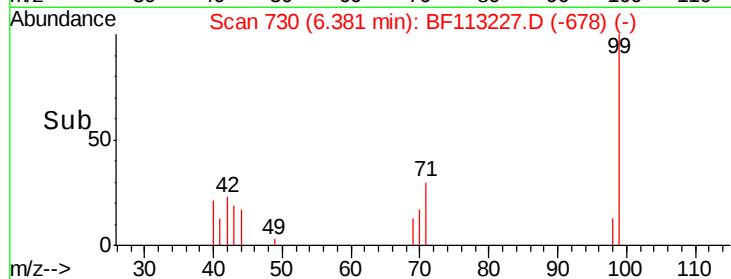
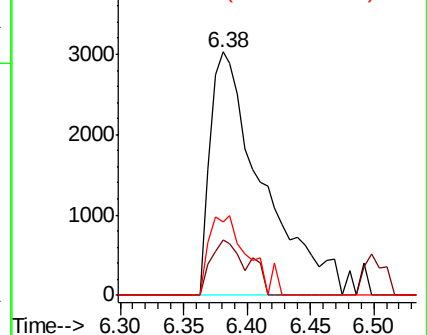
71 30.3 26.2 39.4



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: BF113227.D

Acq: 22 Mar 2019 00:58

Tgt Ion: 136 Resp: 710534

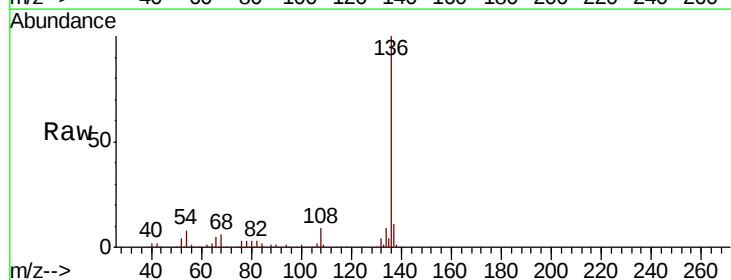
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 7.3 10.9

68 6.1 5.4 8.2

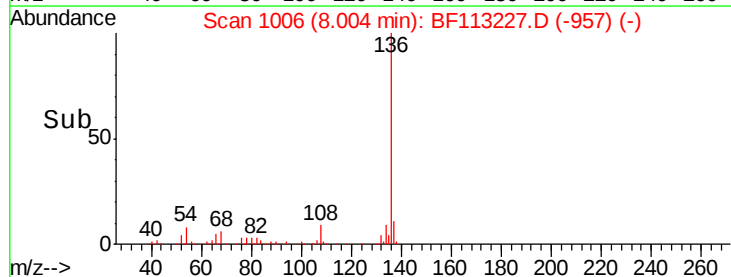
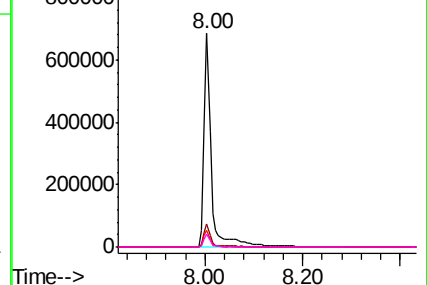


Abundance Ion 136.00 (135.70 to 136.70): E

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

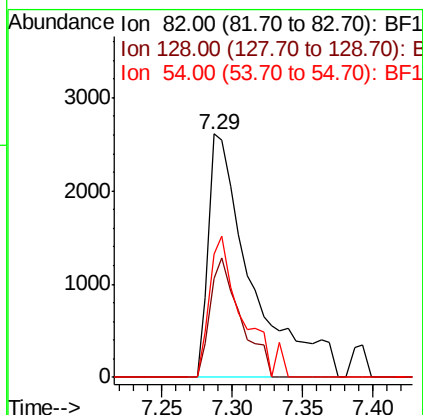
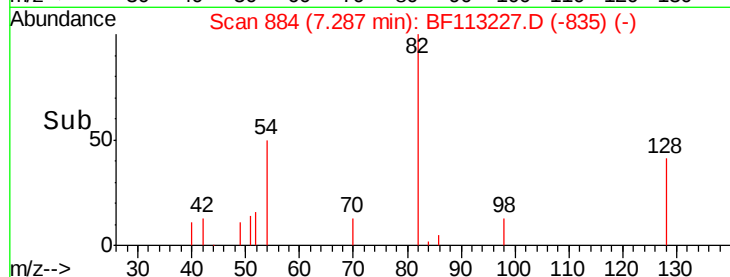
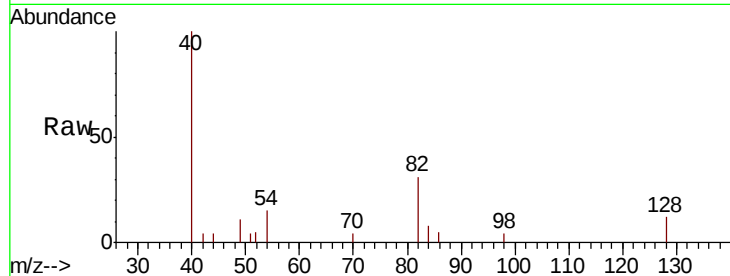




#23
 Nitrobenzene-d5
 Concen: 0.468 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

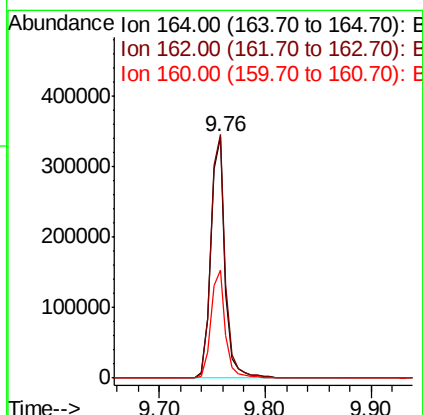
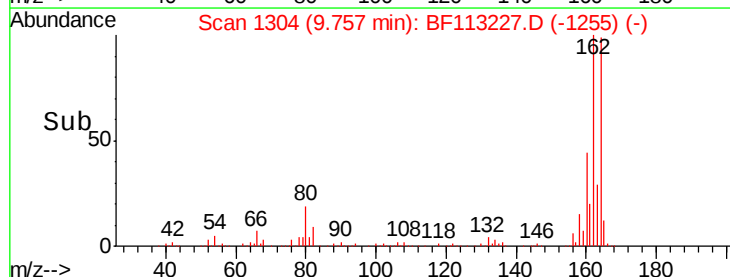
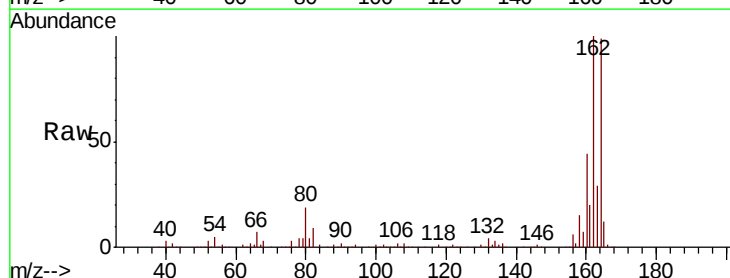
Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

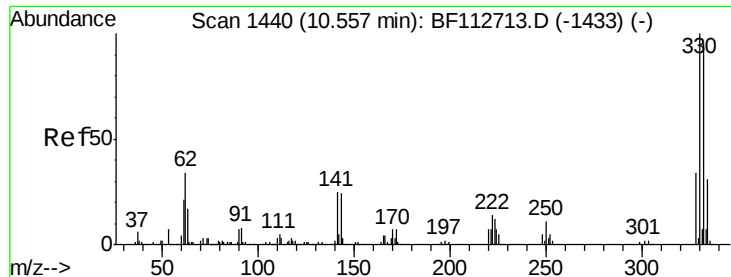
Tgt Ion: 82 Resp: 5562
 Ion Ratio Lower Upper
 82 100
 128 40.6 36.3 54.5
 54 50.5 43.7 65.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion: 164 Resp: 323508
 Ion Ratio Lower Upper
 164 100
 162 100.8 80.6 120.8
 160 44.5 36.0 54.0

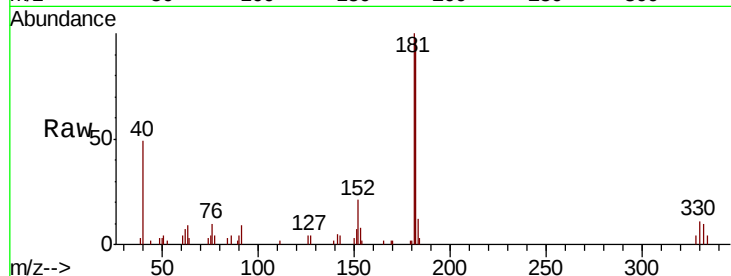




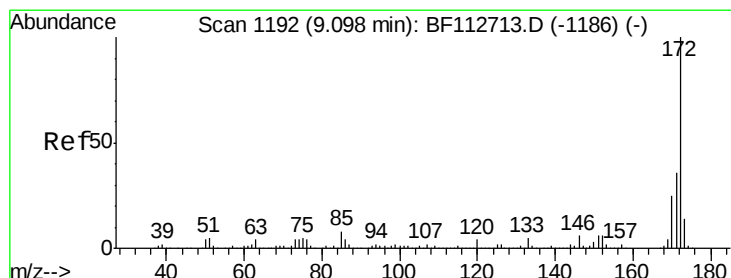
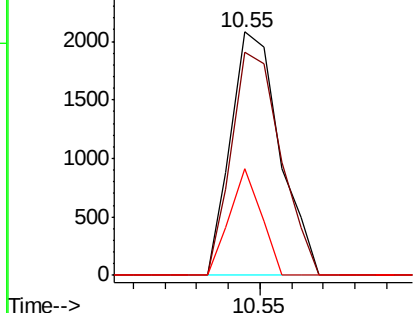
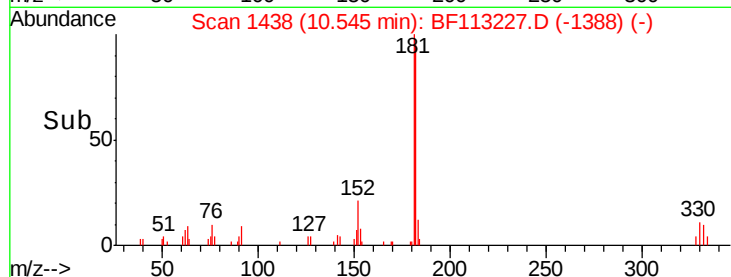
#42
 2,4,6-Tribromophenol
 Concen: 0.649 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

Tgt Ion: 330 Resp: 2229
 Ion Ratio Lower Upper
 330 100
 332 92.4 76.2 114.4
 141 28.3 27.0 40.6

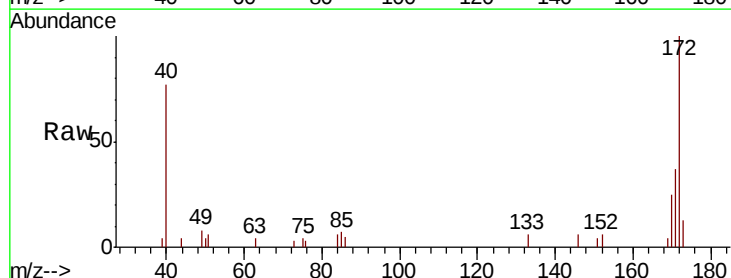


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

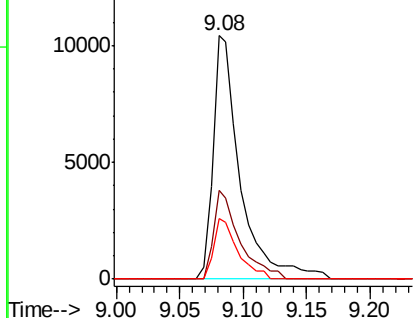
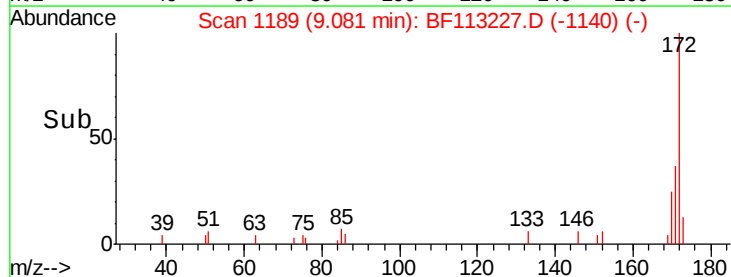


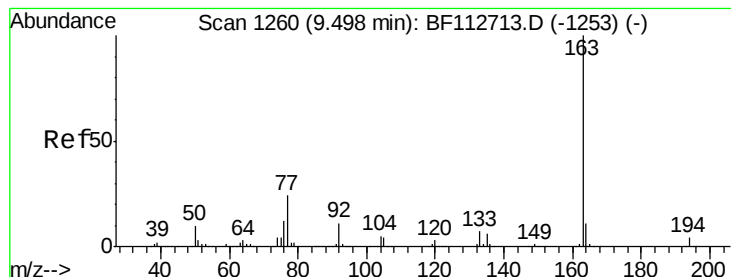
#45
 2-Fluorobiphenyl
 Concen: -1.000 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion: 172 Resp: 15637
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.4
 170 24.8 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





#50

Dimethylphthalate

Concen: 3.536 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.26 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

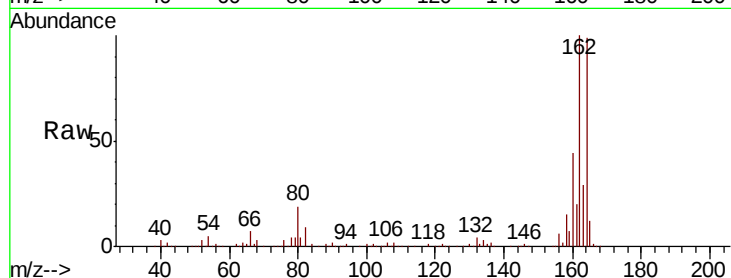
Tgt Ion:163 Resp: 84359

Ion Ratio Lower Upper

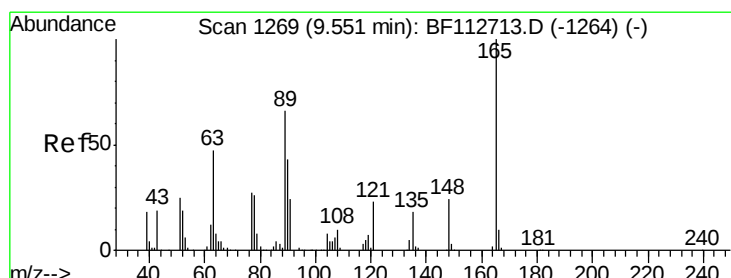
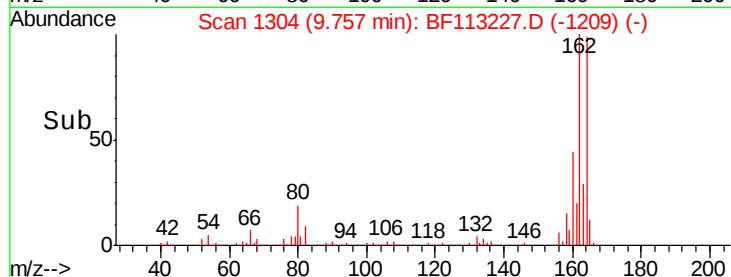
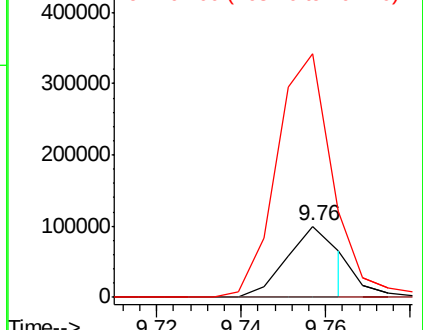
163 100

194 0.0 3.0 4.4#

164 342.3 8.4 12.6#



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



#51

2,6-Dinitrotoluene

Concen: 8.486 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

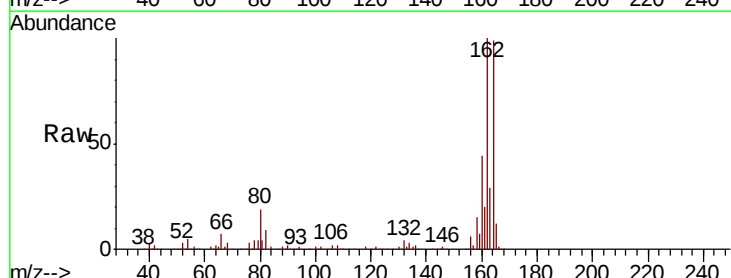
Tgt Ion:165 Resp: 42152

Ion Ratio Lower Upper

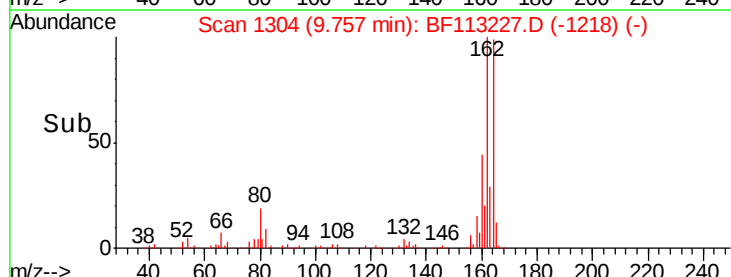
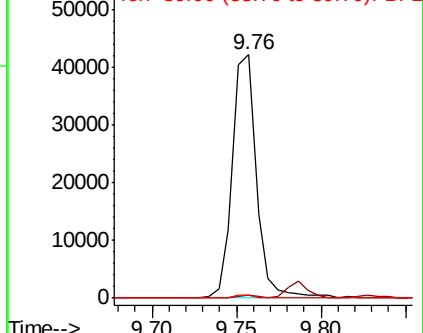
165 100

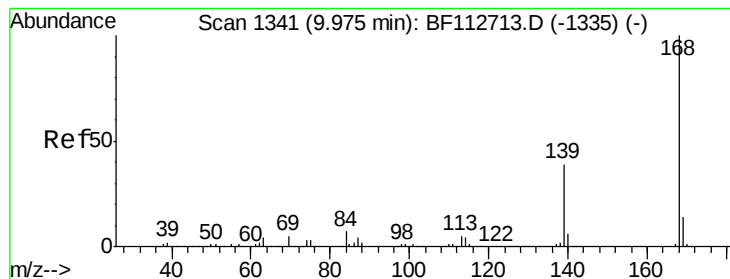
63 1.3 54.1 81.1#

89 1.4 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





#55

Dibenzofuran

Concen: 3.019 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

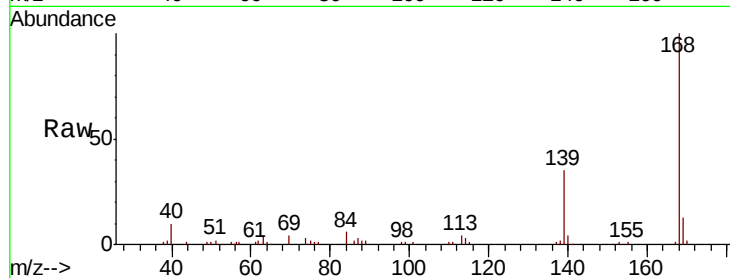
Tgt Ion:168 Resp: 89747

Ion Ratio Lower Upper

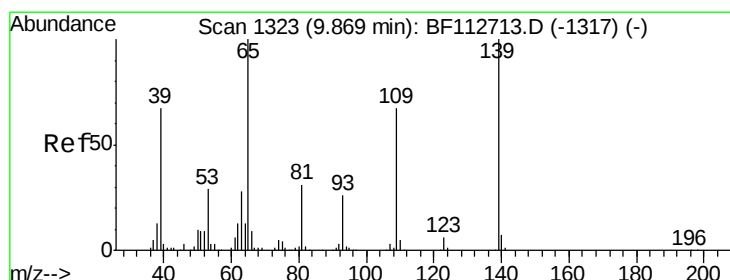
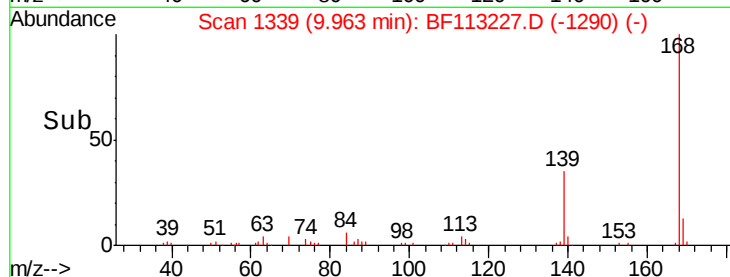
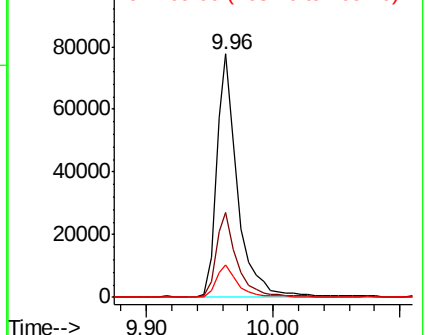
168 100

139 35.0 31.3 46.9

169 13.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.335 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.08 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

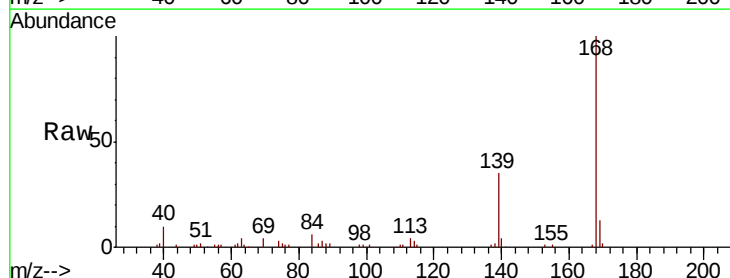
Tgt Ion:139 Resp: 31164

Ion Ratio Lower Upper

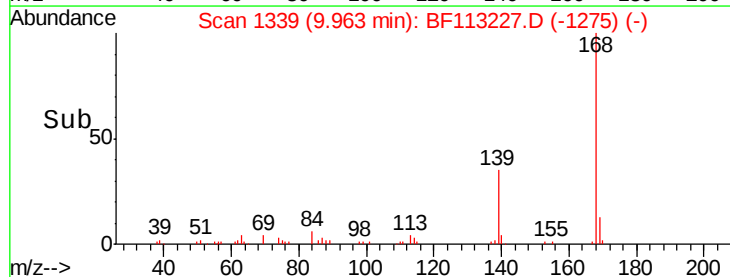
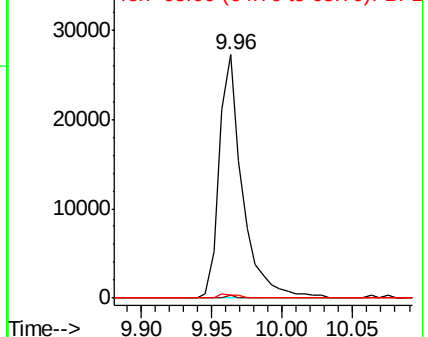
139 100

109 1.2 46.8 86.8#

65 1.3 80.7 120.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

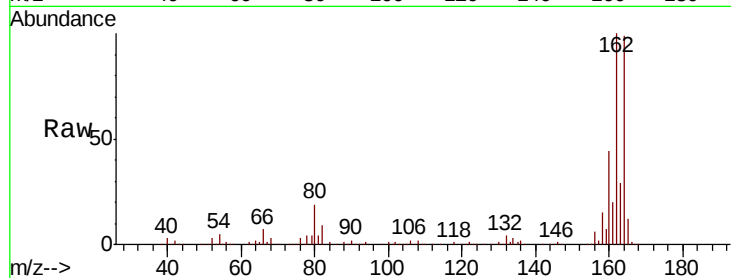




#57
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



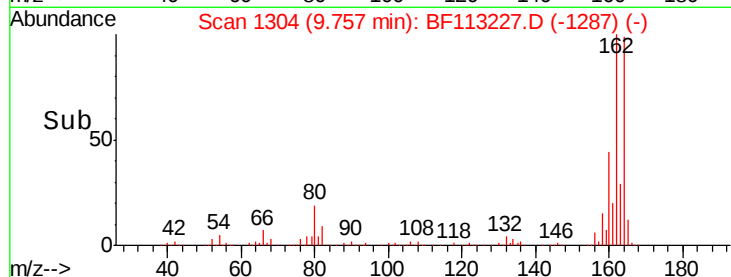
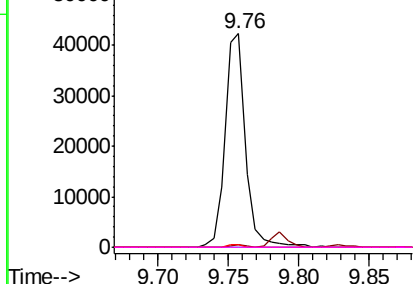
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

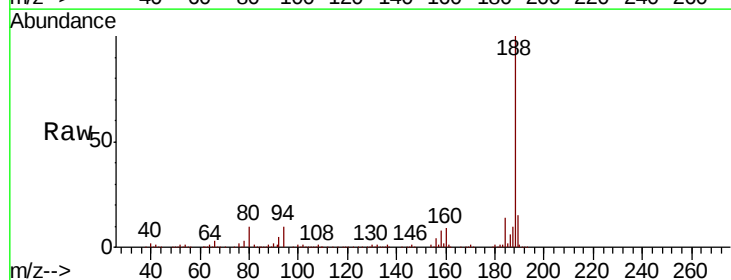
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.5	9.2	13.8

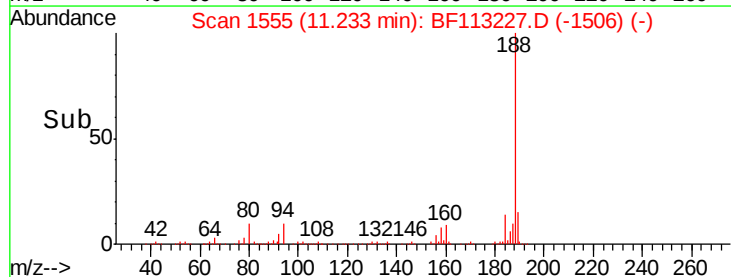
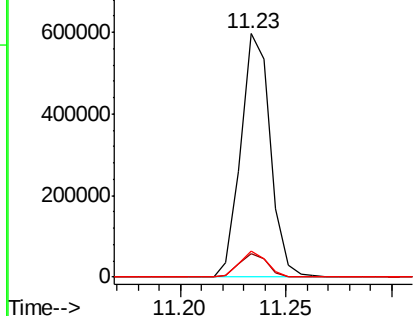


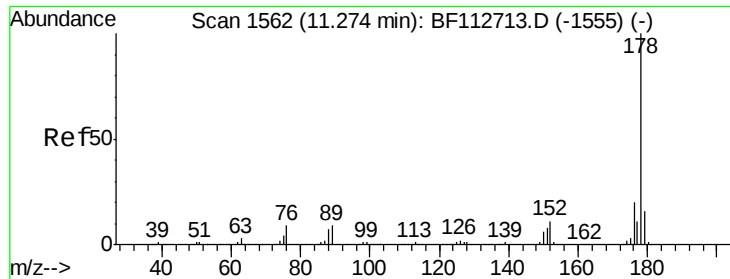
Abundance

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

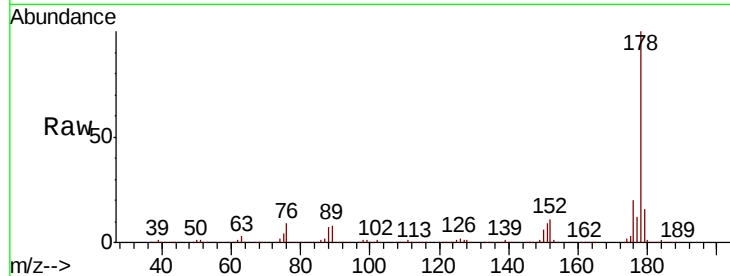




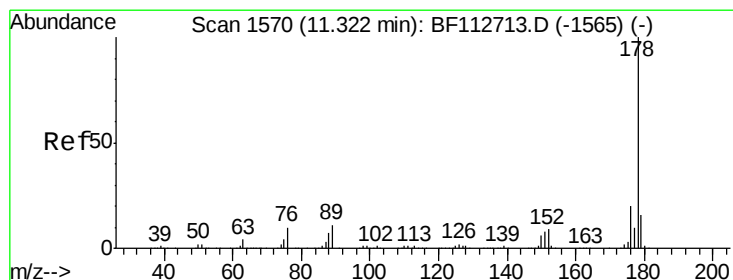
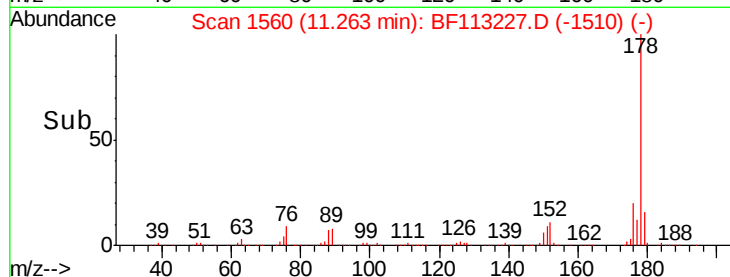
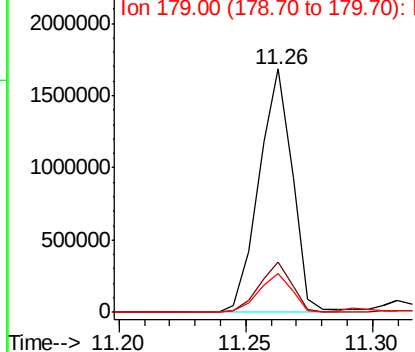
#71
Phenanthrene
Concen: 54.135 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

Tgt Ion:178 Resp: 1556635
Ion Ratio Lower Upper
178 100
176 20.4 16.3 24.5
179 16.2 12.7 19.1

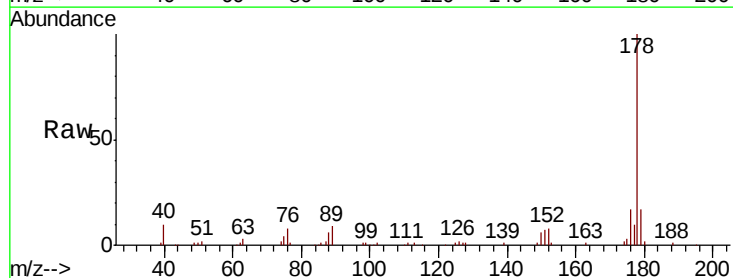


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

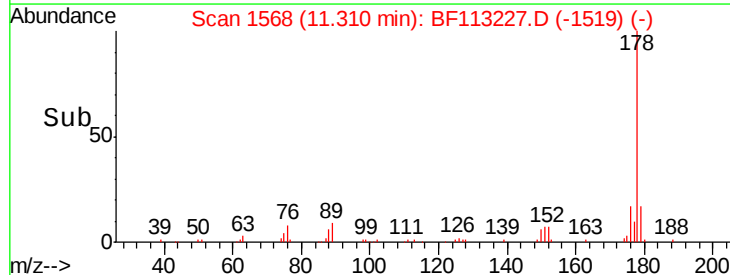
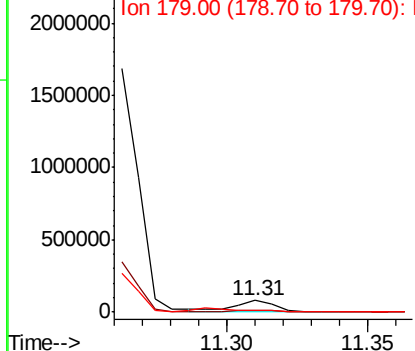


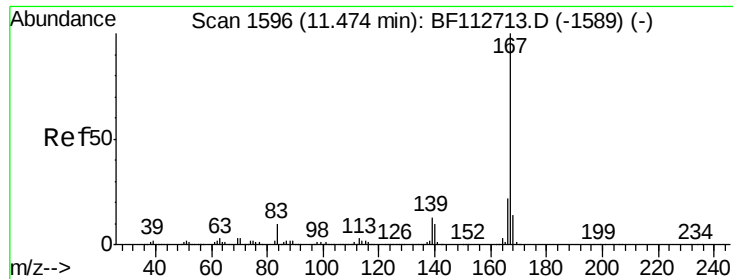
#72
Anthracene
Concen: 2.637 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion:178 Resp: 79377
Ion Ratio Lower Upper
178 100
176 17.2 15.8 23.6
179 17.1 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

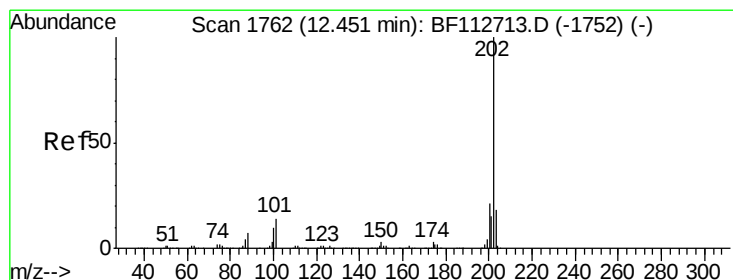
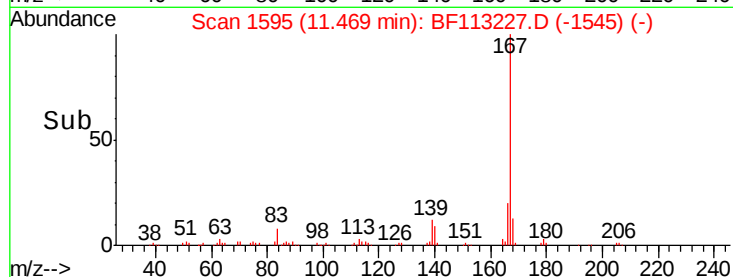
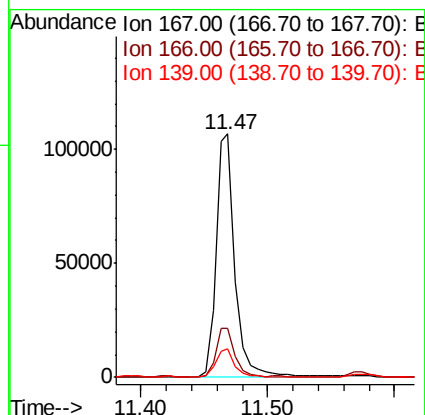
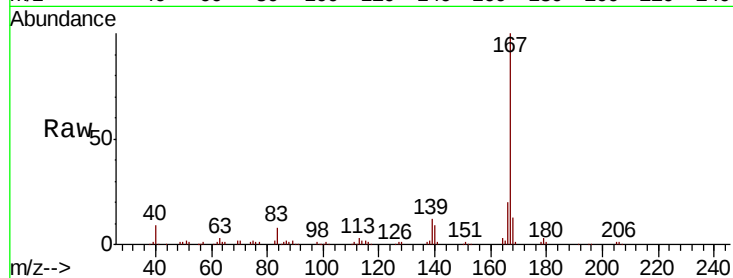




#73
 Carbazole
 Concen: 3.817 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

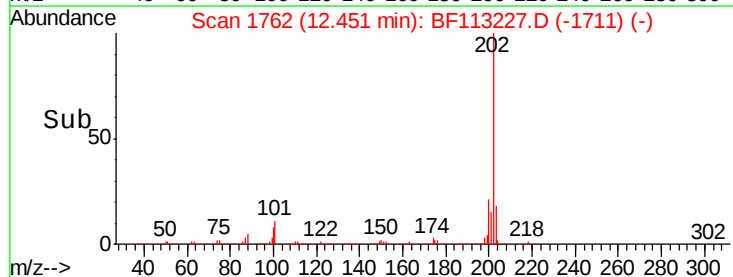
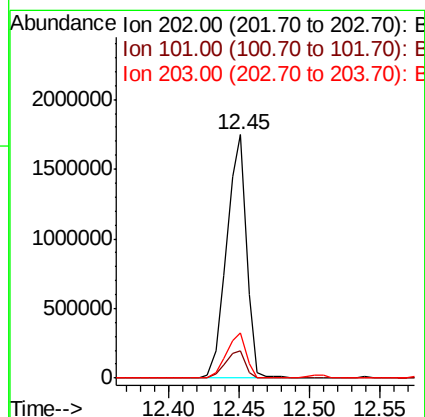
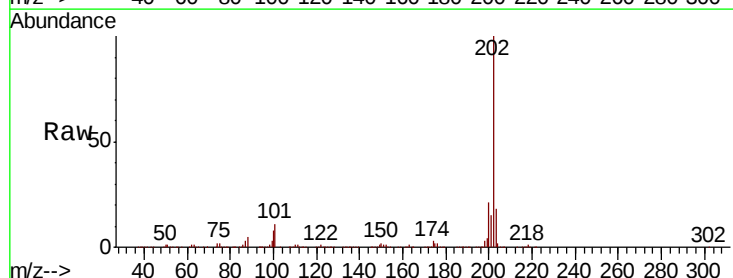
Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11DL2

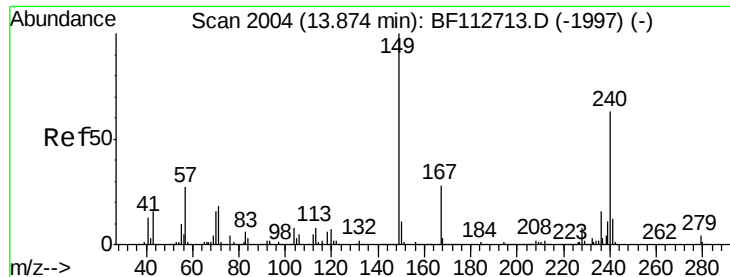
Tgt Ion:167 Resp: 112074
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.5 26.3
 139 11.8 10.8 16.2



#75
 Fluoranthene
 Concen: 55.576 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF113227.D
 Acq: 22 Mar 2019 00:58

Tgt Ion:202 Resp: 1712148
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 33.8
 203 18.3 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

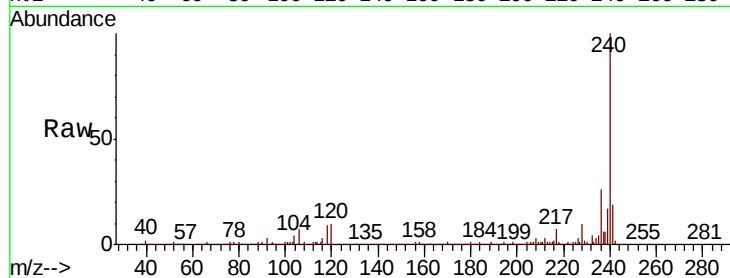
Tgt Ion:240 Resp: 489037

Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

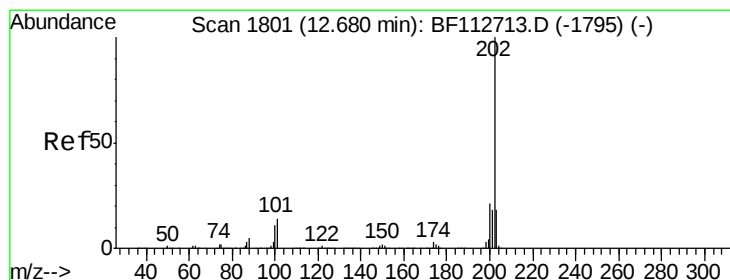
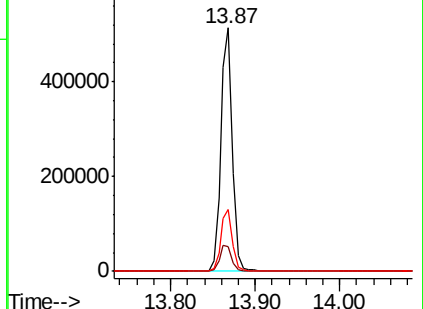
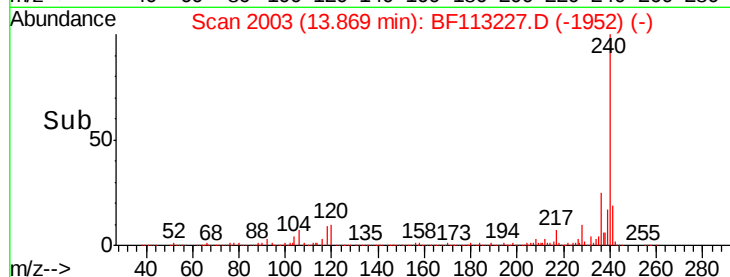
236 25.6 20.7 31.1



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: 31.274 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

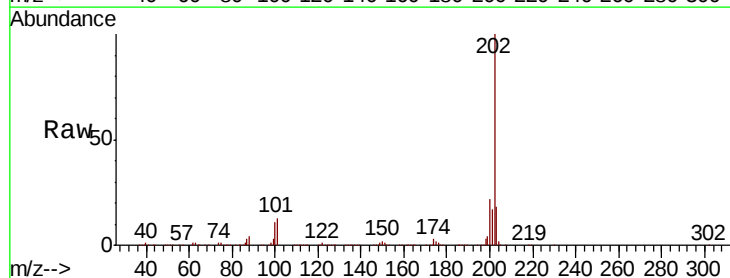
Tgt Ion:202 Resp: 1289320

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

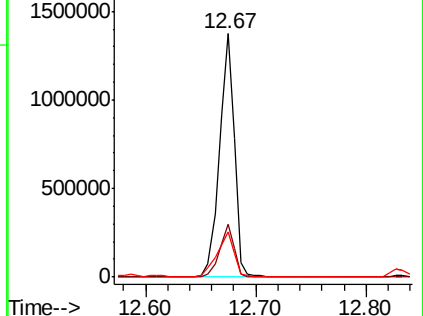
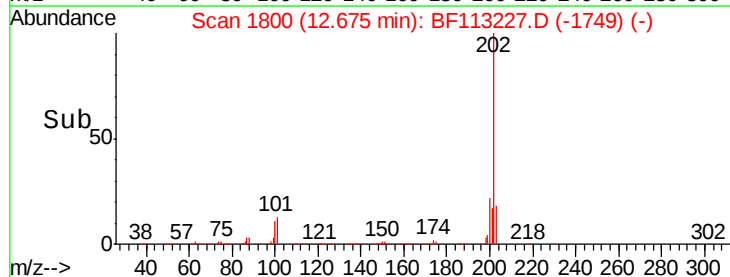
203 18.3 14.4 21.6

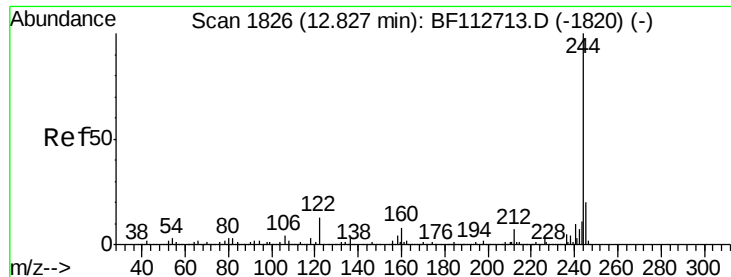


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 0.597 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

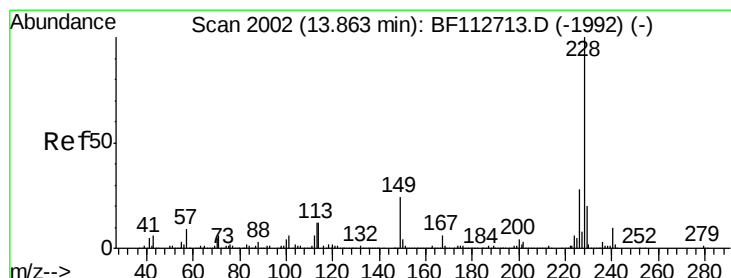
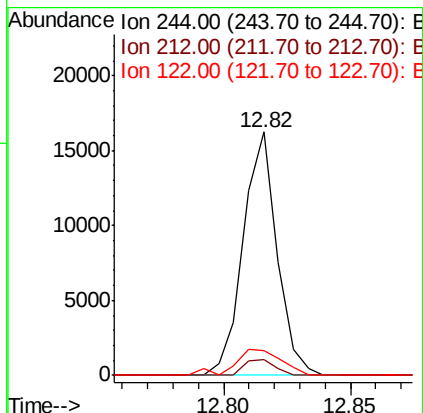
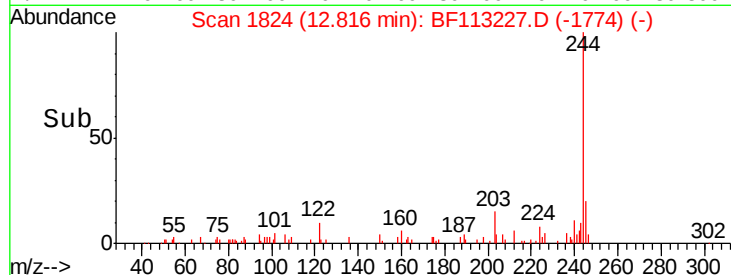
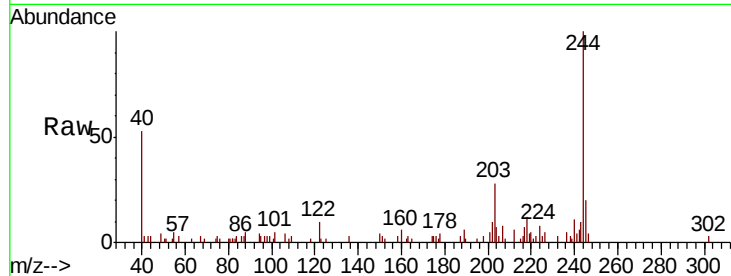
Tgt Ion:244 Resp: 15060

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.2 10.5 15.7#



#81

Benzo(a)anthracene

Concen: 8.830 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

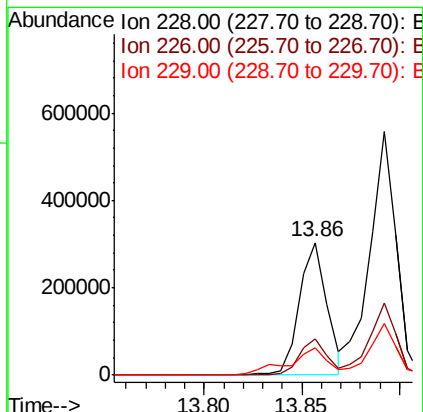
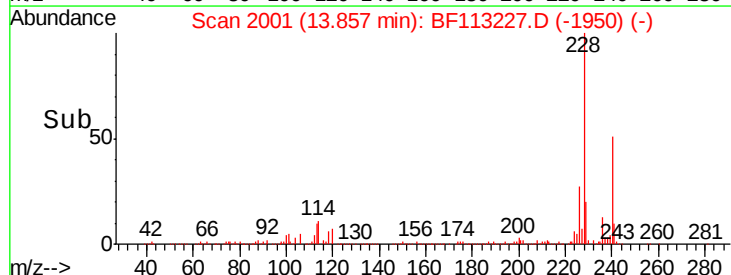
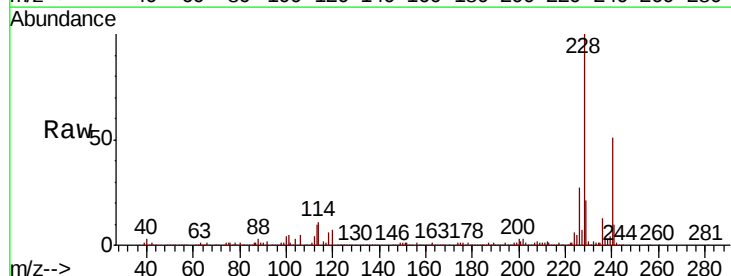
Tgt Ion:228 Resp: 299287

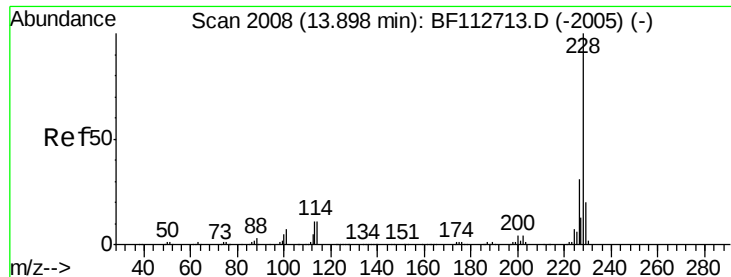
Ion Ratio Lower Upper

228 100

226 27.3 22.2 33.4

229 20.5 16.0 24.0





#83

Chrysene

Concen: 15.842 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

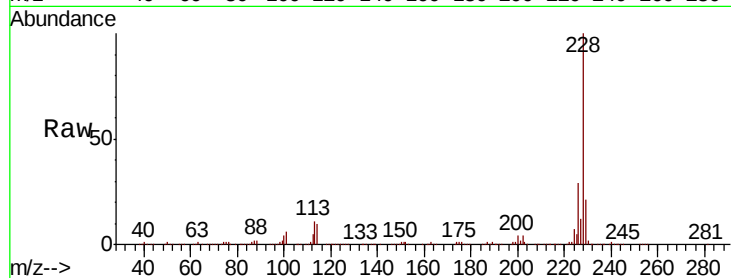
Tgt Ion:228 Resp: 525950

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

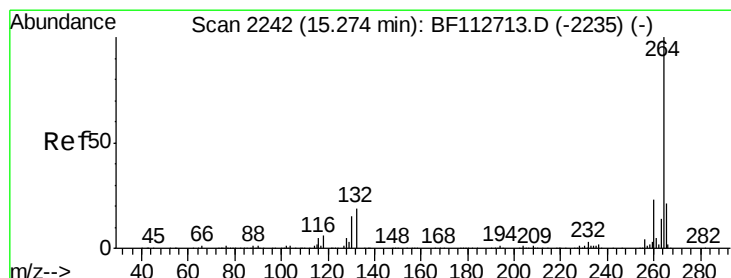
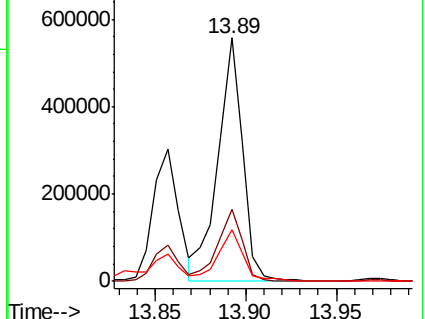
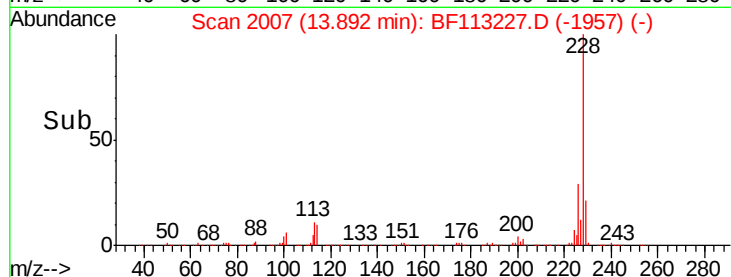
229 21.4 16.3 24.5



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: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

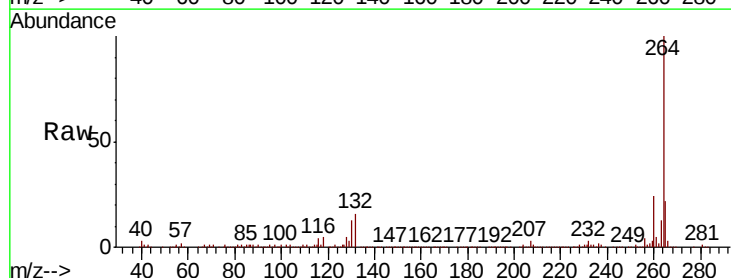
Tgt Ion:264 Resp: 408076

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

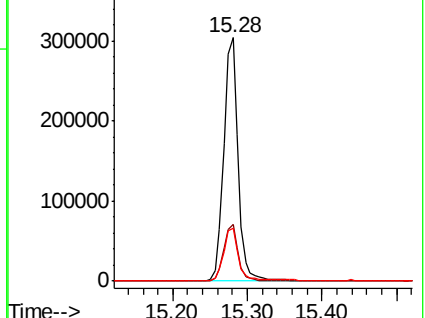
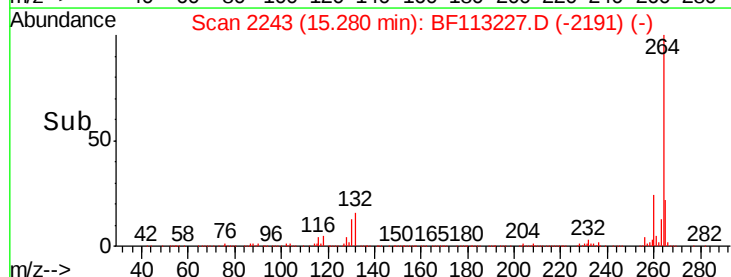
265 21.5 17.2 25.8

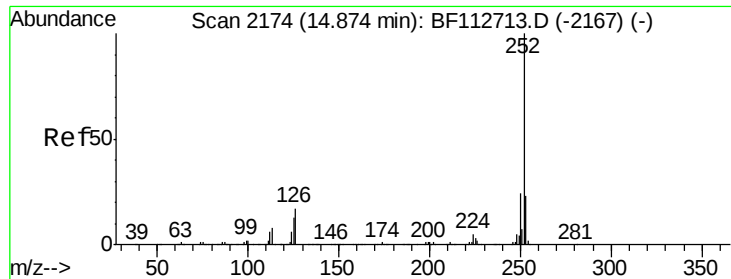


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

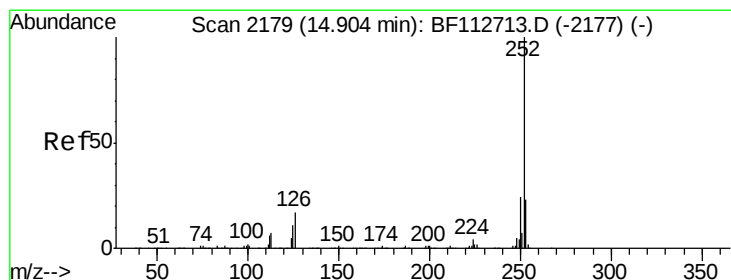
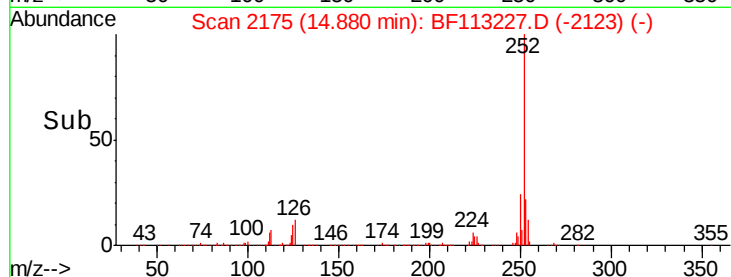
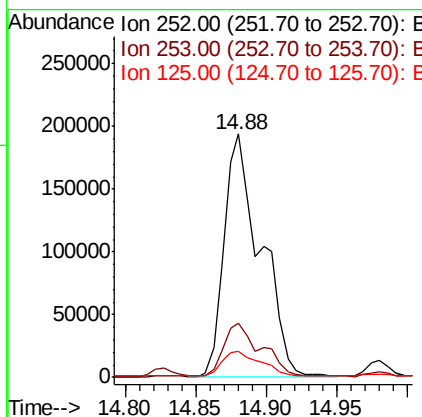
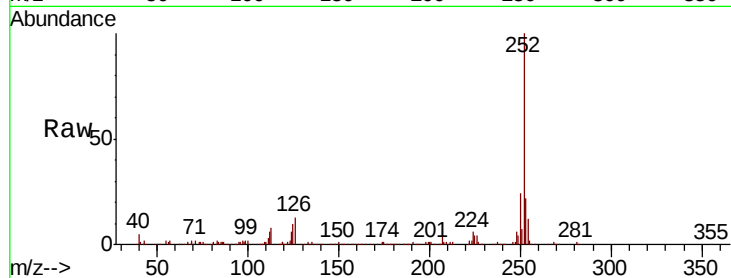




#88
Benzo(b)fluoranthene
Concen: 13.286 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

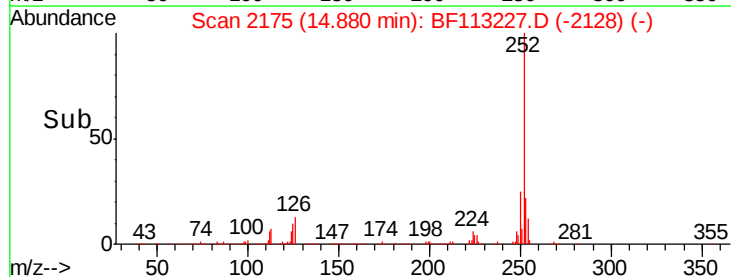
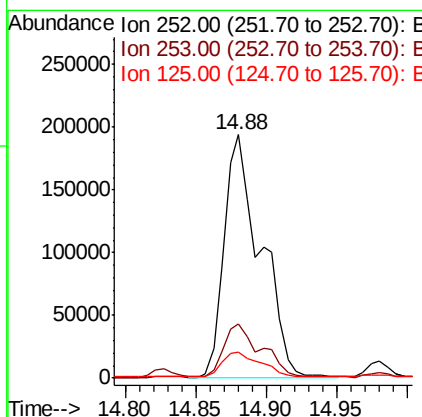
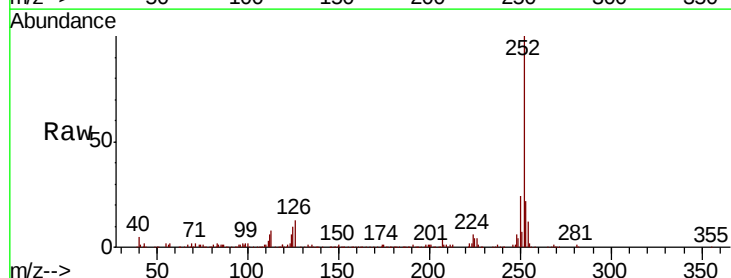
Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11DL2

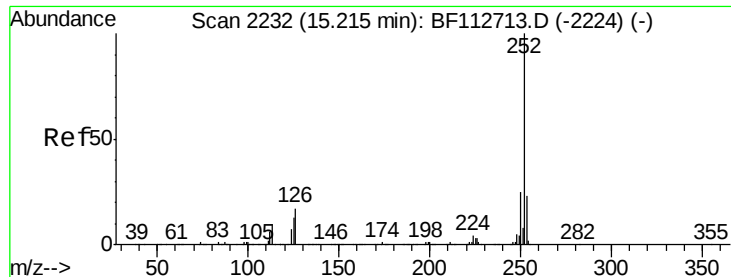
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.4	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 14.668 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113227.D
Acq: 22 Mar 2019 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	10.4	9.8	14.6





#90

Benzo(a)pyrene

Concen: 2.894 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF113227.D

Acq: 22 Mar 2019 00:58

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11DL2

Tgt Ion: 252 Resp: 67576

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 13.7 10.7 16.1

