

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
 Data File : BF107377.D
 Acq On : 13 Jul 2018 19:42
 Operator : JU/SJ
 Sample : J3944-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

Quant Time: Jul 13 23:08:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	44999	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	162056	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	81909	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	150862	20.00	ng	0.00
75) Chrysene-d12	14.19	240	37120	20.00	ng	0.06
86) Perylene-d12	15.75	264	84307	20.00	ng	0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	34826	13.11	ng	0.01
7) Phenol-d6	6.58	99	38504	11.60	ng	0.00
23) Nitrobenzene-d5	7.50	82	22608	7.75	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	12363	13.02	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	50721	-5.17	ng	0.00
78) Terphenyl-d14	13.10	244	20026	13.07	ng	0.04

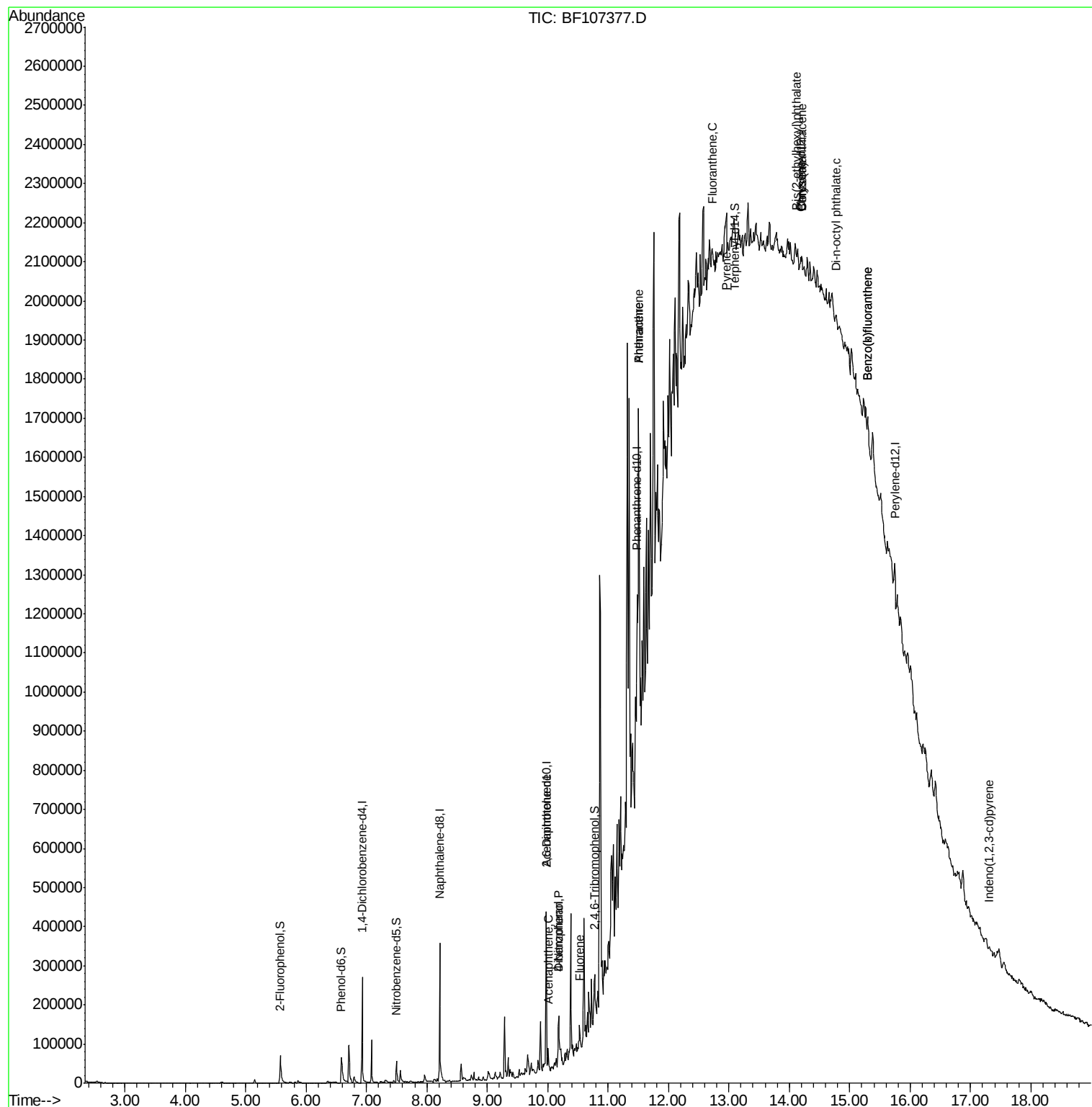
Target Compounds				Qvalue		
50) 2,6-Dinitrotoluene	9.98	165	11792	9.065	ng	# 25
51) Acenaphthene	10.01	154	10327	2.022	ng	96
54) Dibenzofuran	10.18	168	38198	5.461	ng	94
55) 4-Nitrophenol	10.18	139	14110	13.504	ng	# 15
57) Fluorene	10.53	166	20063	3.614	ng	# 96
70) Phenanthrene	11.51	178	324765	44.633	ng	100
71) Anthracene	11.51	178	324765	43.727	ng	99
74) Fluoranthene	12.73	202	51067	6.367	ng	89
77) Pyrene	12.97	202	24060	9.829	ng	# 73
80) Benzo(a)anthracene	14.21	228	36816	16.273	ng	# 72
82) Chrysene	14.21	228	36816	17.689	ng	# 77
83) Bis(2-ethylhexyl)phthalate	14.12	149	26904	20.910	ng	# 73
84) Di-n-octyl phthalate	14.77	149	7883	3.759	ng	# 72
85) Indeno(1,2,3-cd)pyrene	17.32	276	4776	2.704	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	15452	2.950	ng	# 1
88) Benzo(k)fluoranthene	15.28	252	15452	3.098	ng	# 1

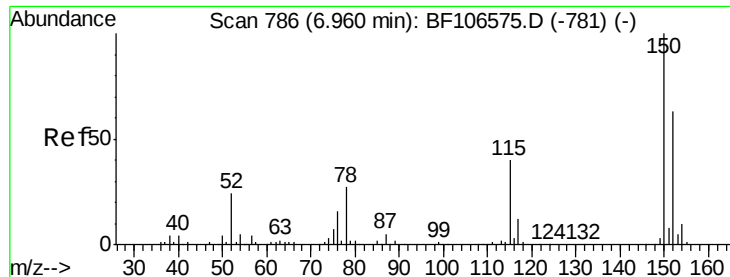
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
Data File : BF107377.D
Acq On : 13 Jul 2018 19:42
Operator : JU/SJ
Sample : J3944-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

Quant Time: Jul 13 23:08:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 13 11:54:53 2018
Response via : Initial Calibration



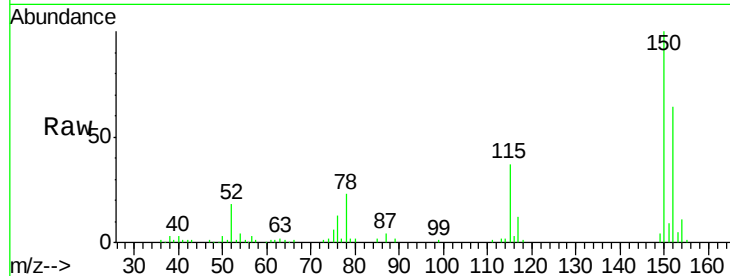


#1

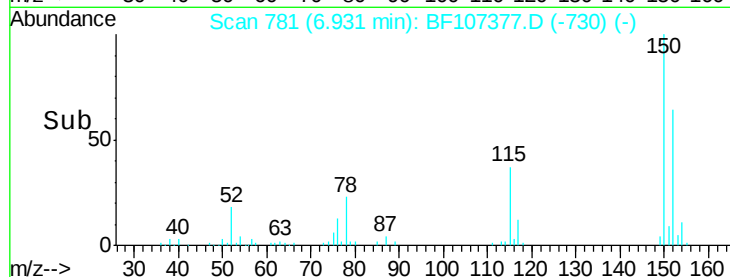
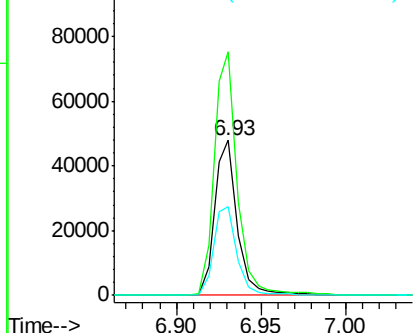
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

Tgt Ion:152 Resp: 44999
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 57.6 50.1 75.1



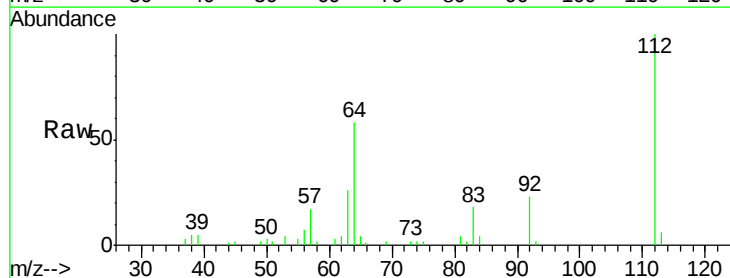
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



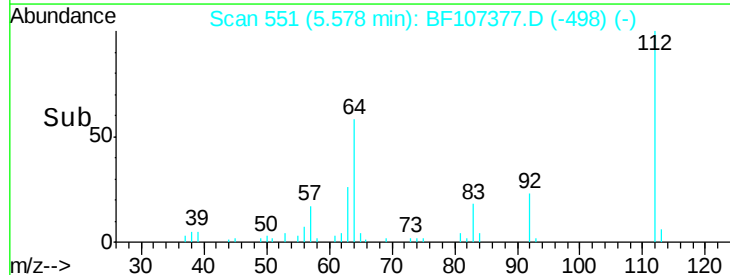
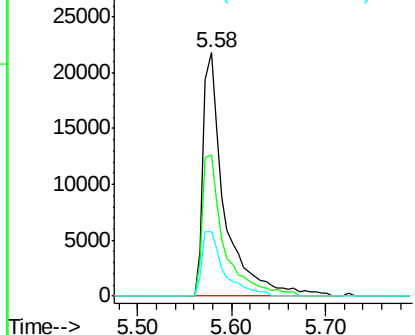
#5

2-Fluorophenol
Concen: 13.105 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Tgt Ion:112 Resp: 34826
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 26.2 23.7 35.5



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: 11.602 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

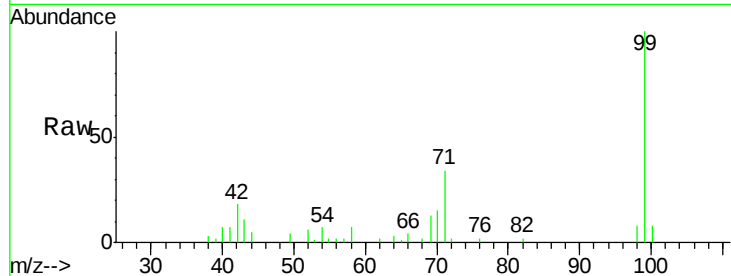
Tgt Ion: 99 Resp: 38504

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

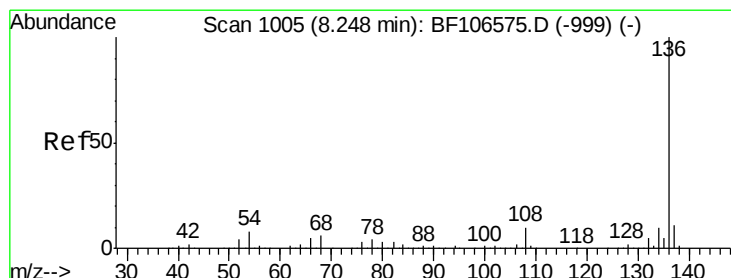
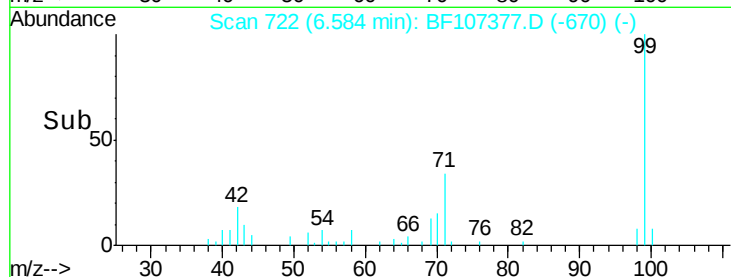
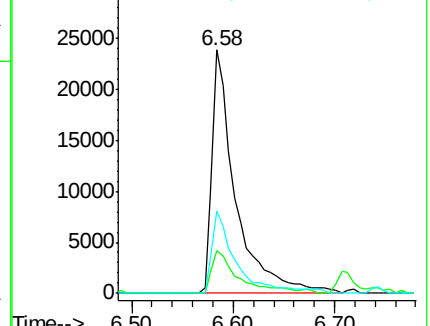
71 33.8 25.4 38.0



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: 8.21 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Tgt Ion: 136 Resp: 162056

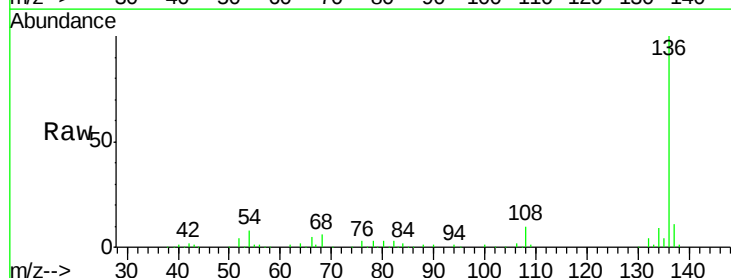
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.9 6.6 9.8

68 6.2 5.0 7.4

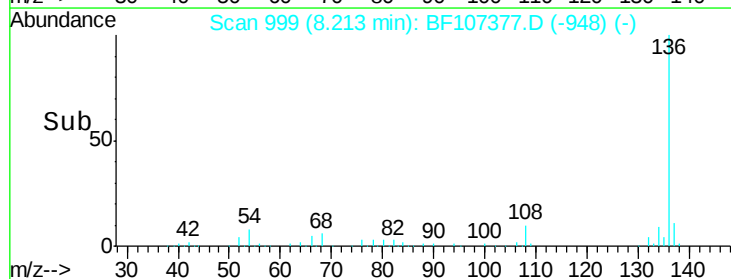
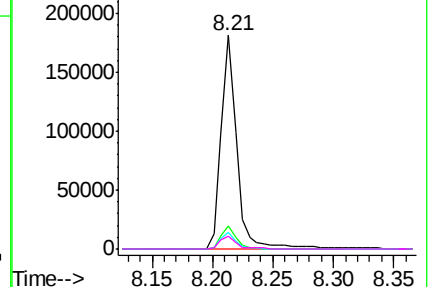


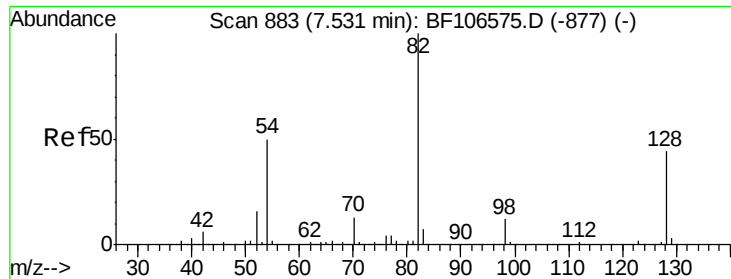
Abundance Ion 136.00 (135.70 to 136.70): E

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

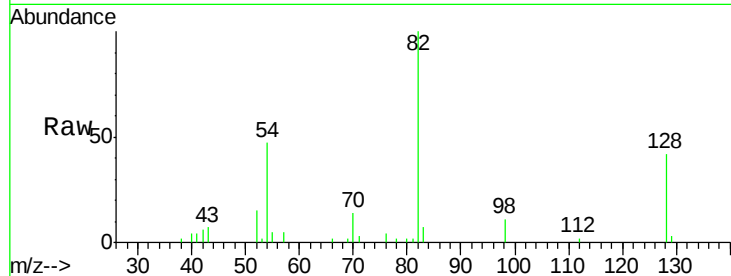




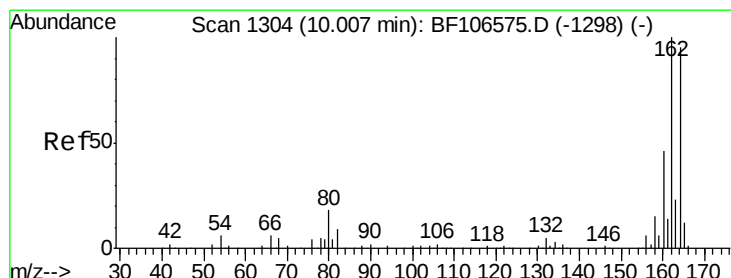
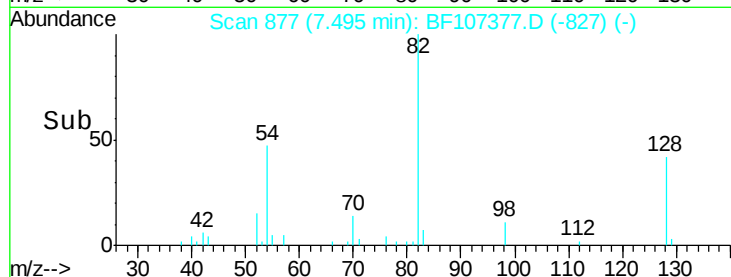
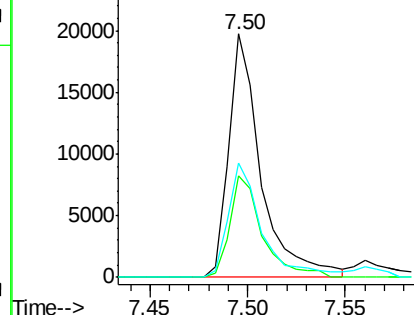
#23
 Nitrobenzene-d5
 Concen: 7.753 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

Tgt Ion: 82 Resp: 22608
 Ion Ratio Lower Upper
 82 100
 128 41.6 36.1 54.1
 54 47.1 41.4 62.2

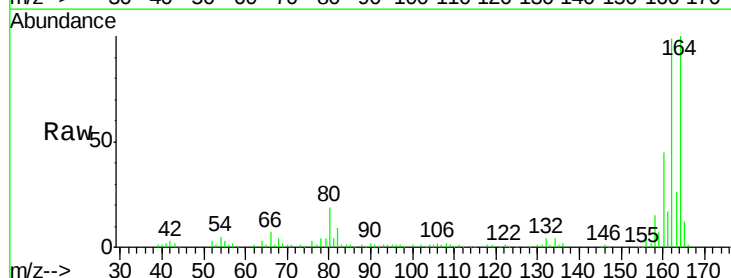


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

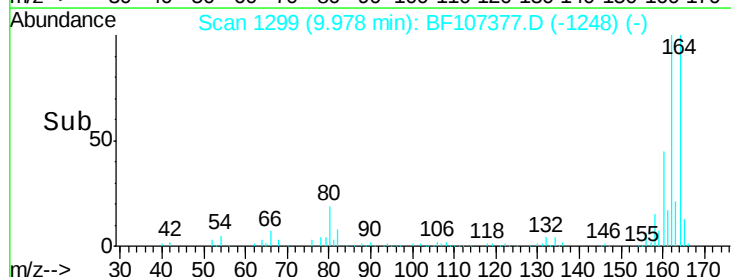
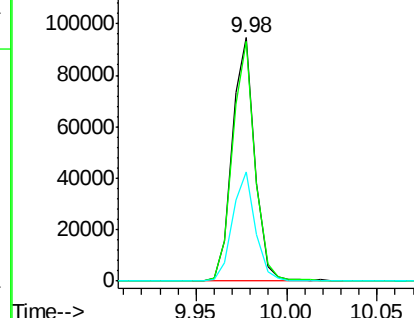


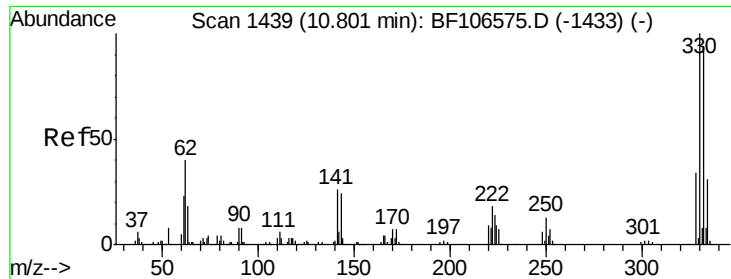
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion: 164 Resp: 81909
 Ion Ratio Lower Upper
 164 100
 162 98.7 86.1 129.1
 160 44.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

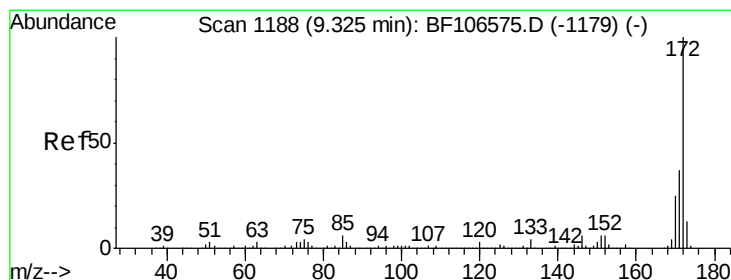
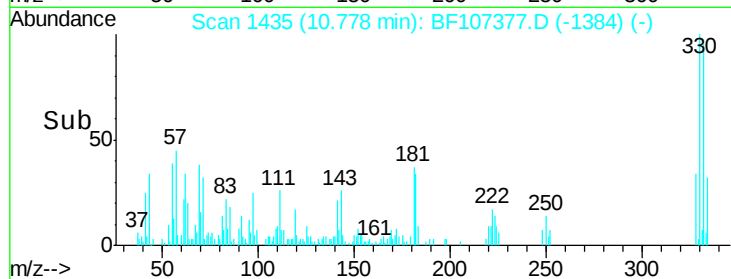
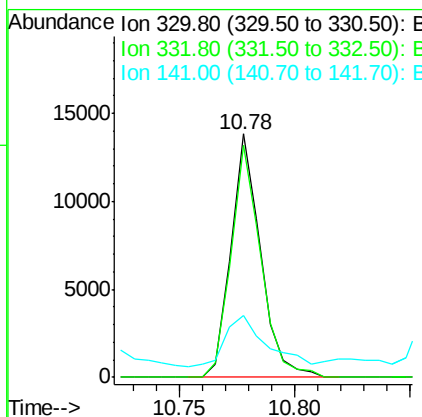
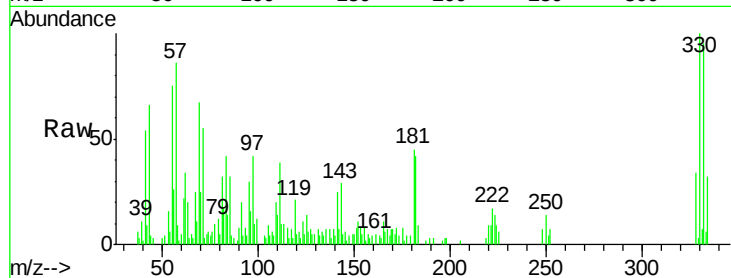




#41
 2,4,6-Tribromophenol
 Concen: 13.023 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

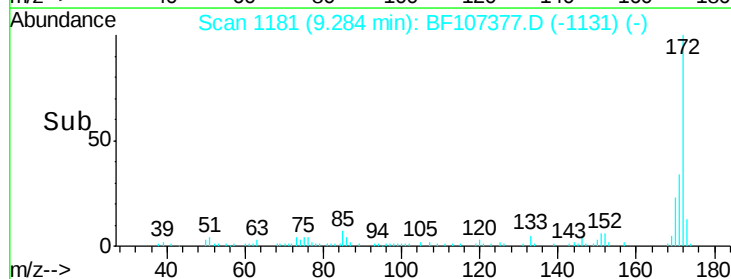
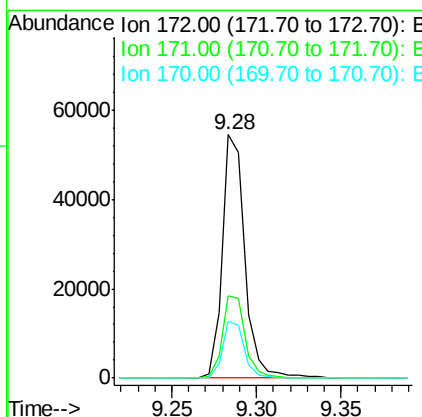
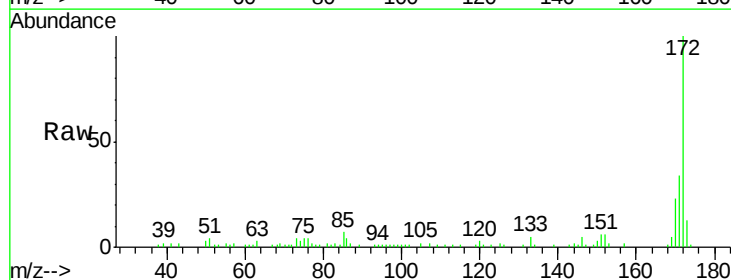
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

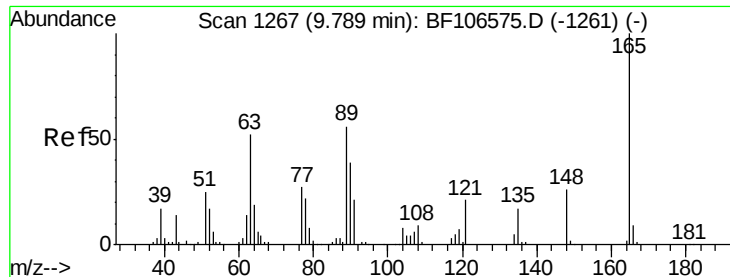
Tgt Ion:330 Resp: 12363
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 28.3 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: -5.166 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion:172 Resp: 50721
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.7 44.5
 170 23.4 19.6 29.4

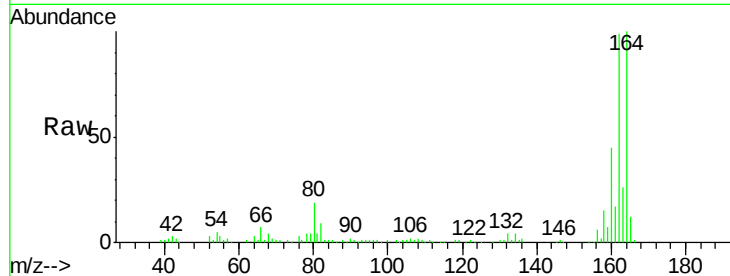




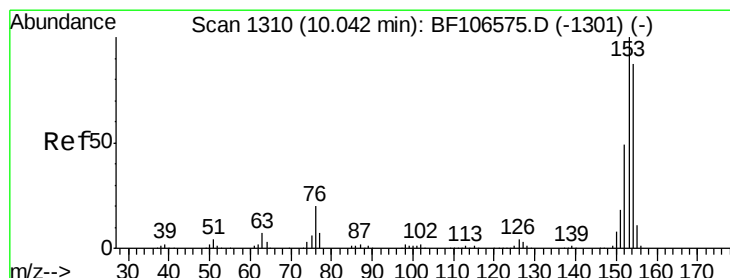
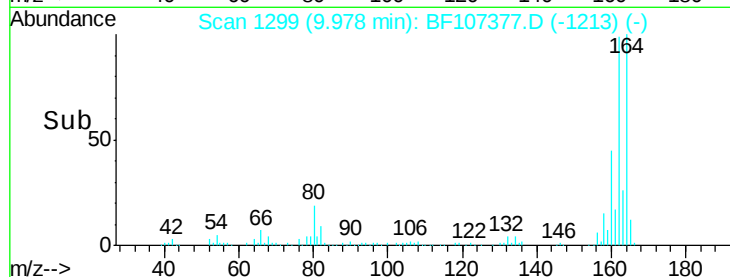
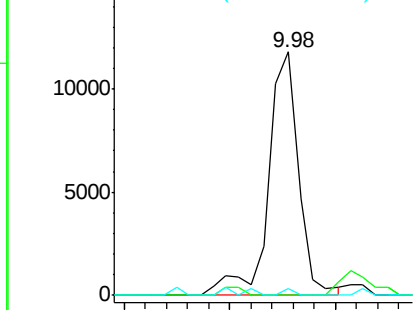
#50
2,6-Dinitrotoluene
Concen: 9.065 ng
RT: 9.98 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

Tgt Ion:165 Resp: 11792
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 2.6 44.0 66.0#

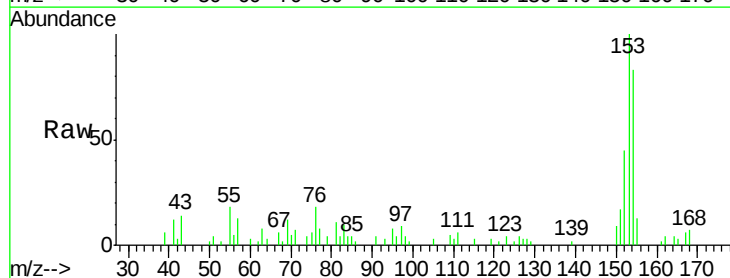


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

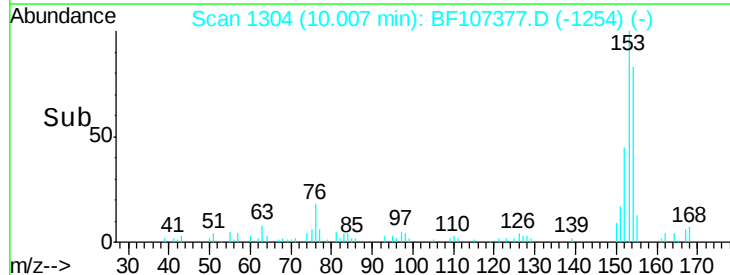
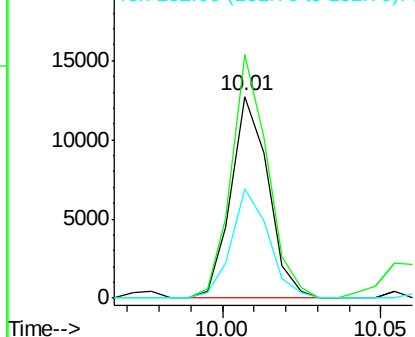


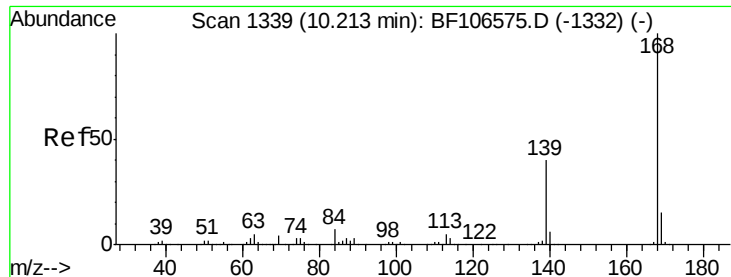
#51
Acenaphthene
Concen: 2.022 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Tgt Ion:154 Resp: 10327
Ion Ratio Lower Upper
154 100
153 120.9 91.2 136.8
152 54.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 5.461 ng

RT: 10.18 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

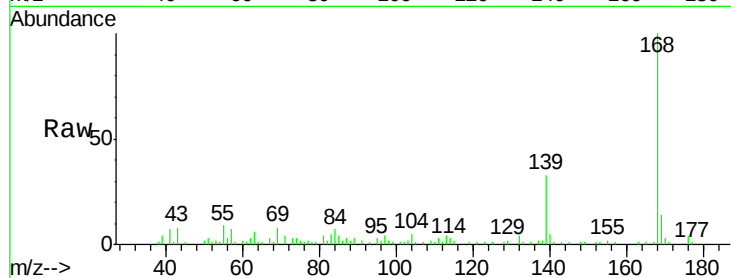
Tgt Ion:168 Resp: 38198

Ion Ratio Lower Upper

168 100

139 32.6 30.1 45.1

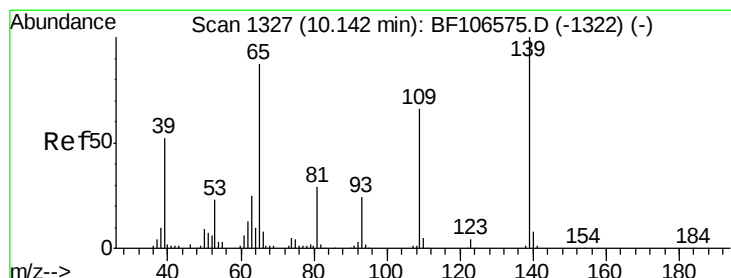
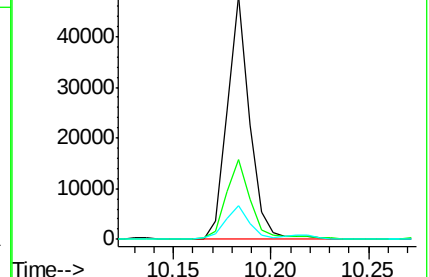
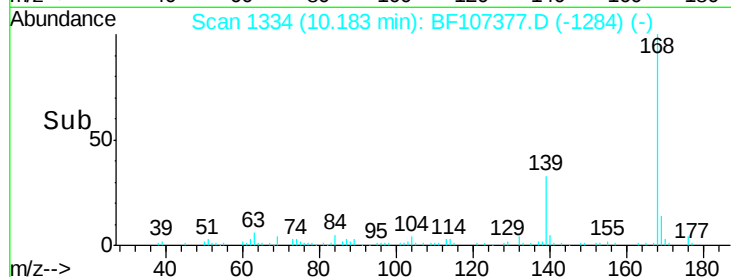
169 14.1 10.9 16.3



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



#55

4-Nitrophenol

Concen: 13.504 ng

RT: 10.18 min Scan# 1334

Delta R.T. 0.05 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

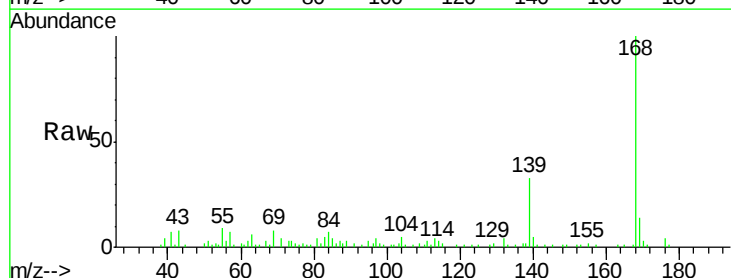
Tgt Ion:139 Resp: 14110

Ion Ratio Lower Upper

139 100

109 7.5 48.4 88.4#

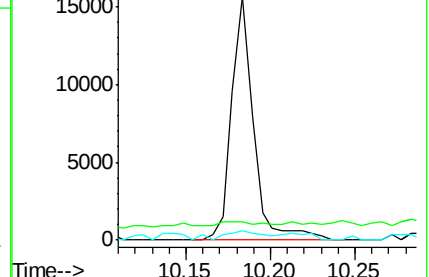
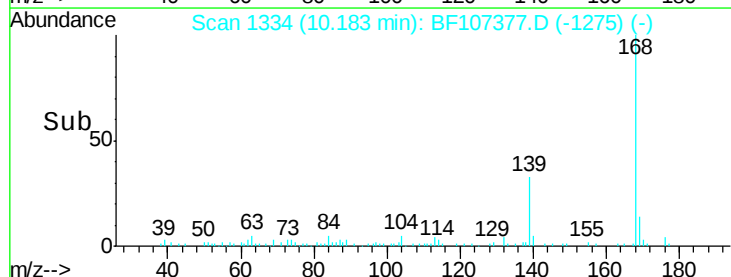
65 4.0 72.6 112.6#

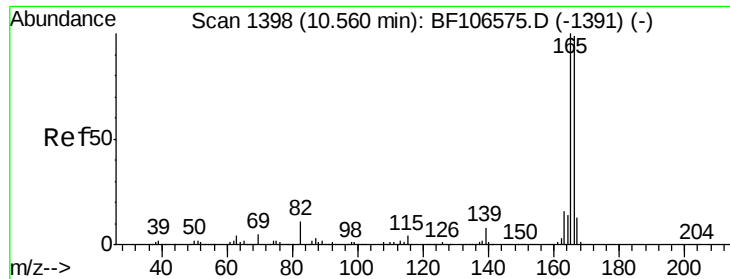


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

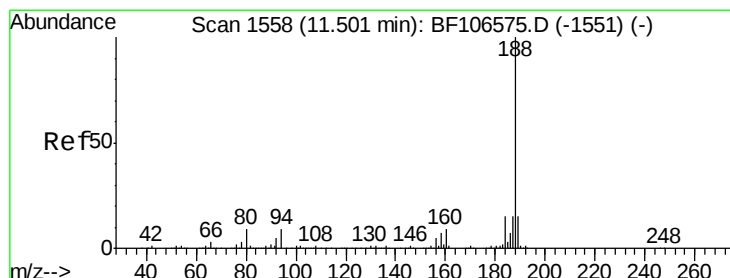
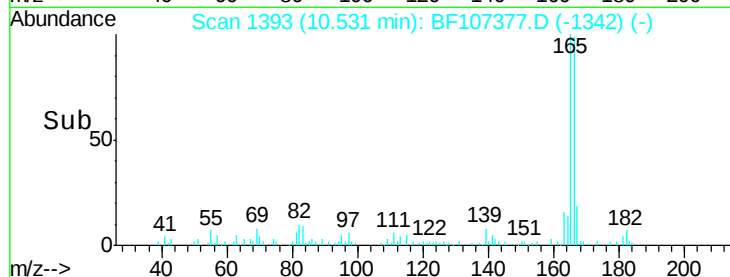
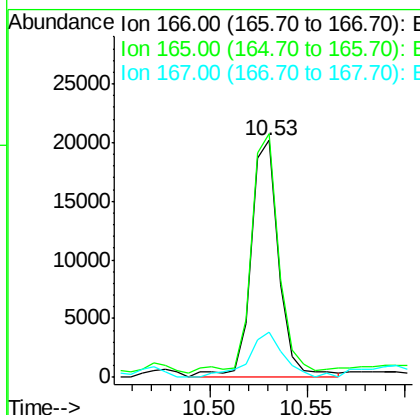
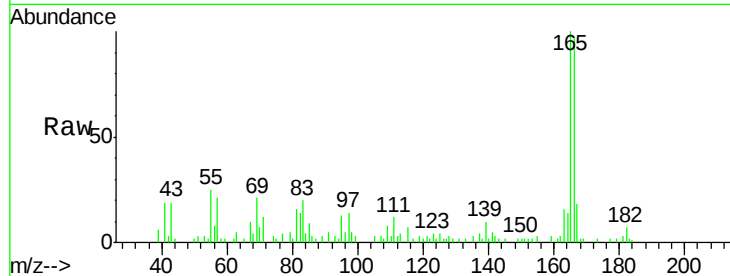




#57
 Fluorene
 Concen: 3.614 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

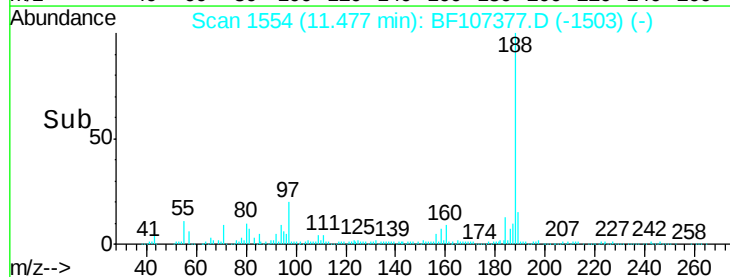
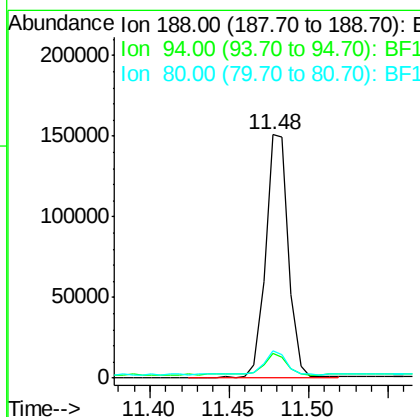
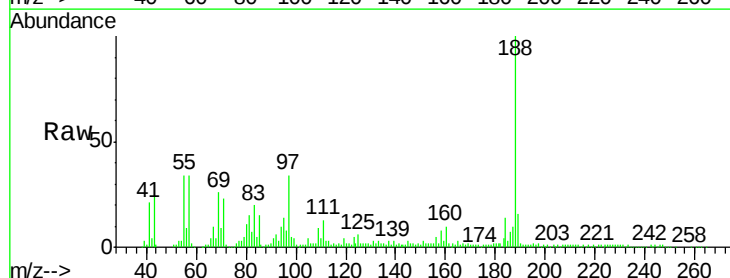
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

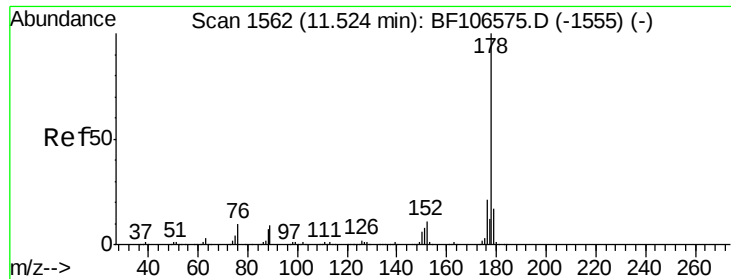
Tgt Ion:166 Resp: 20063
 Ion Ratio Lower Upper
 166 100
 165 102.8 79.8 119.8
 167 18.9 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion:188 Resp: 150862
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 11.2 9.2 13.8





#70

Phenanthrene

Concen: 44.633 ng

RT: 11.51 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

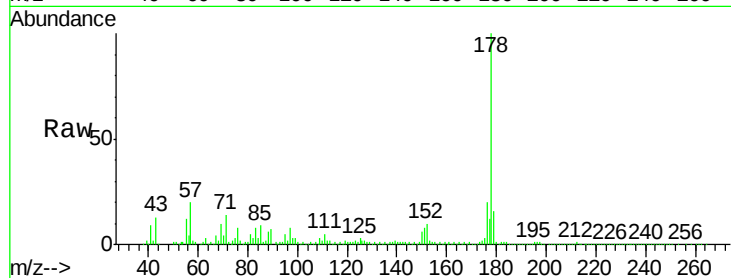
Tgt Ion:178 Resp: 324765

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

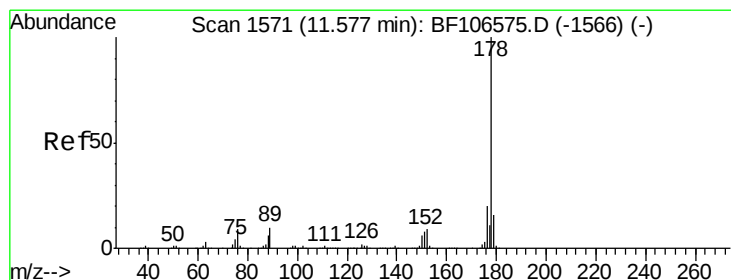
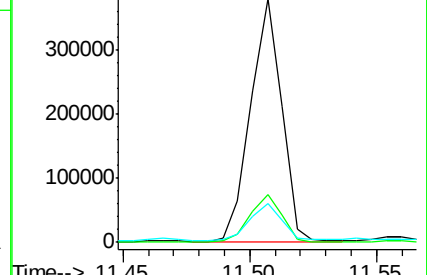
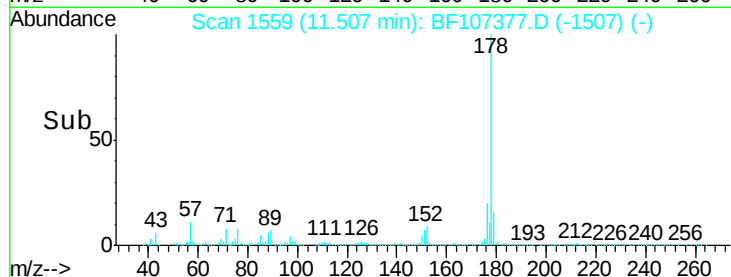
179 16.2 13.0 19.6



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



#71

Anthracene

Concen: 43.727 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.05 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

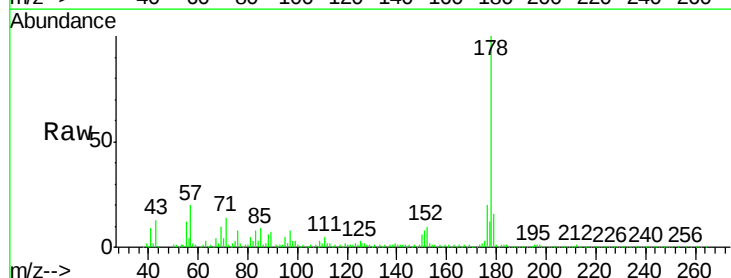
Tgt Ion:178 Resp: 324765

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

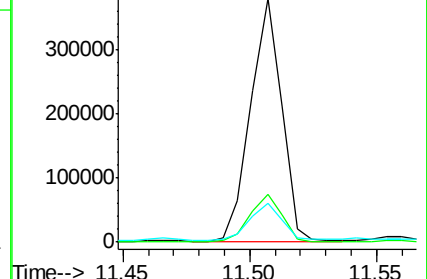
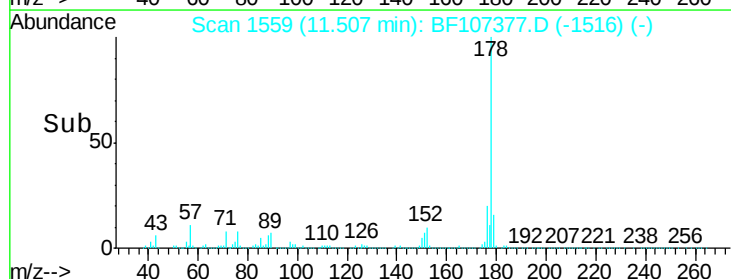
179 16.2 12.6 19.0

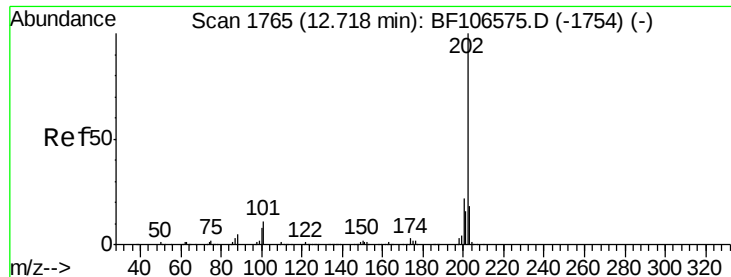


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.367 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.03 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

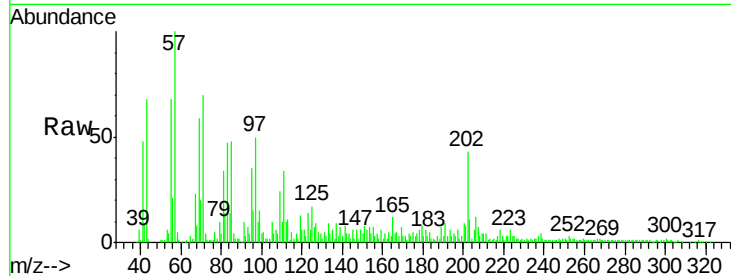
Tgt Ion:202 Resp: 51067

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

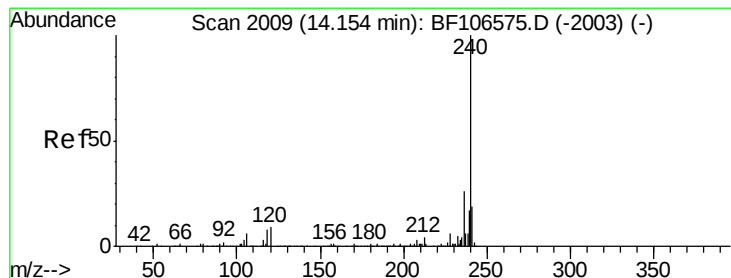
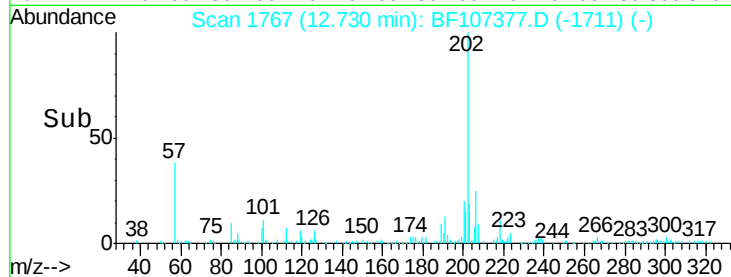
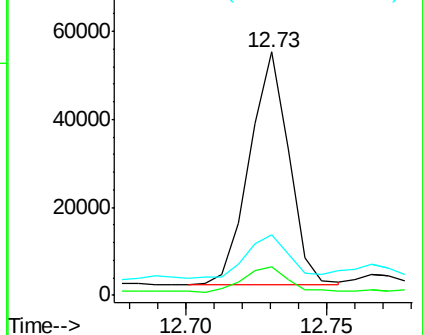
203 24.8 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. 0.06 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

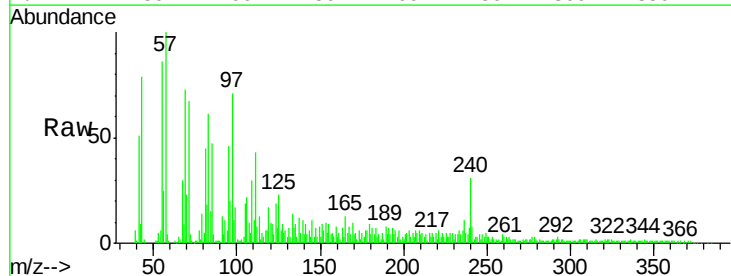
Tgt Ion:240 Resp: 37120

Ion Ratio Lower Upper

240 100

120 32.4 9.5 14.3#

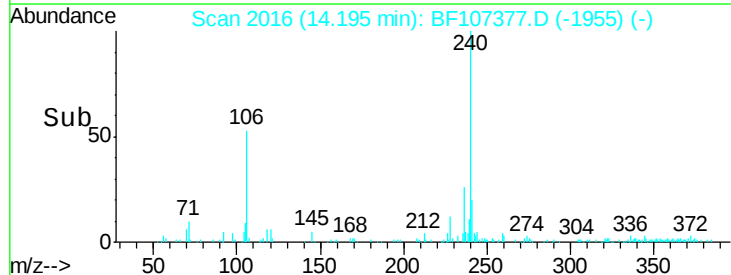
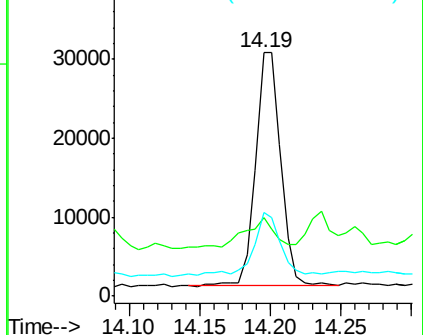
236 34.5 20.7 31.1#

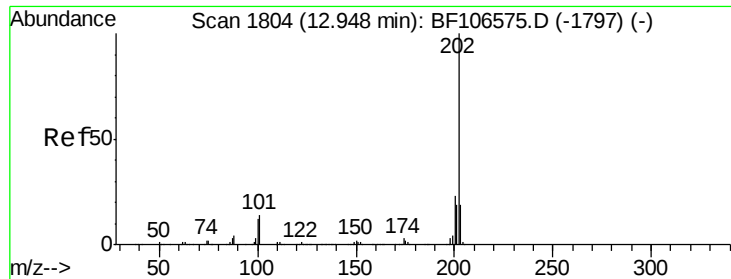


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

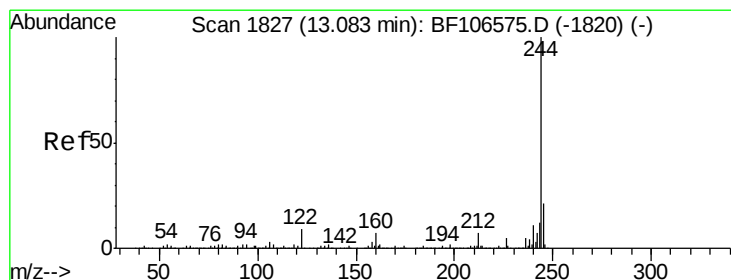
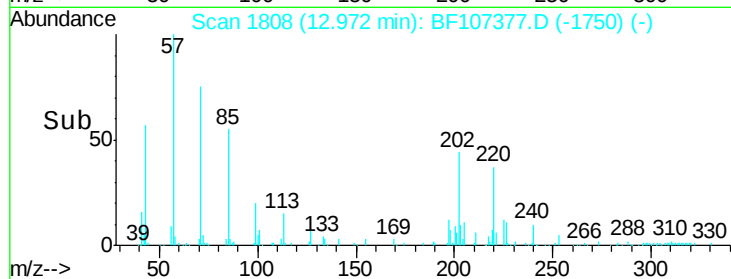
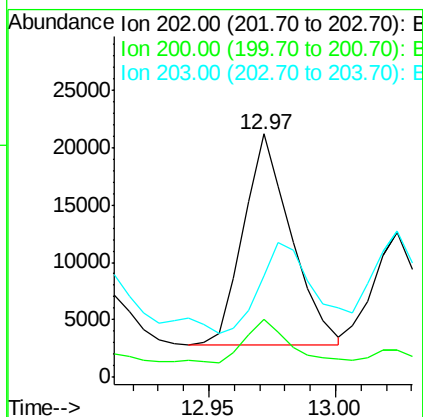
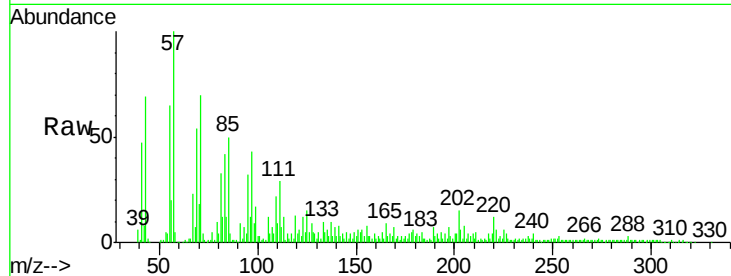




#77
 Pyrene
 Concen: 9.829 ng
 RT: 12.97 min Scan# 1808
 Delta R.T. 0.04 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

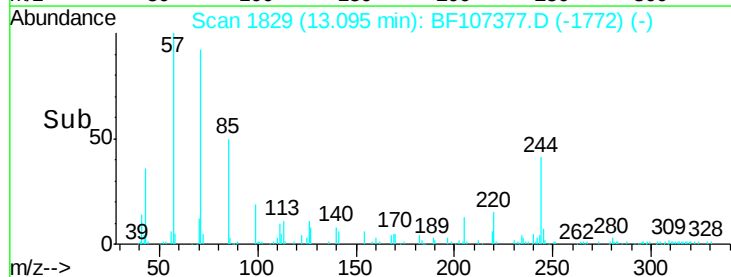
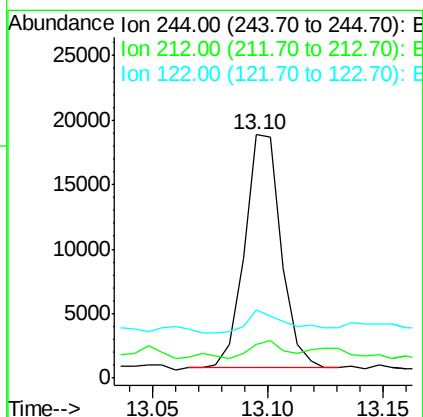
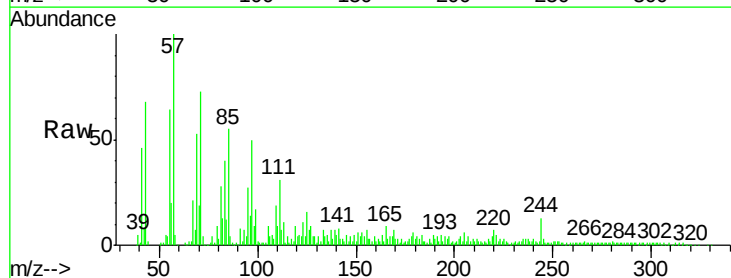
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

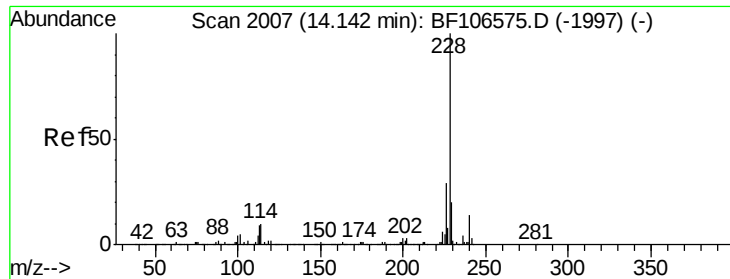
Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.0	17.4	26.2
203	41.7	14.3	21.5#



#78
 Terphenyl-d14
 Concen: 13.068 ng
 RT: 13.10 min Scan# 1829
 Delta R.T. 0.04 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.0	5.4	8.0#
122	28.1	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 16.273 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.09 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

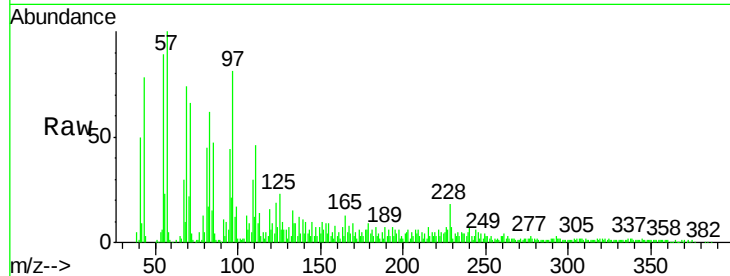
Tgt Ion:228 Resp: 36816

Ion Ratio Lower Upper

228 100

226 37.6 22.6 33.8#

229 38.9 15.8 23.6#

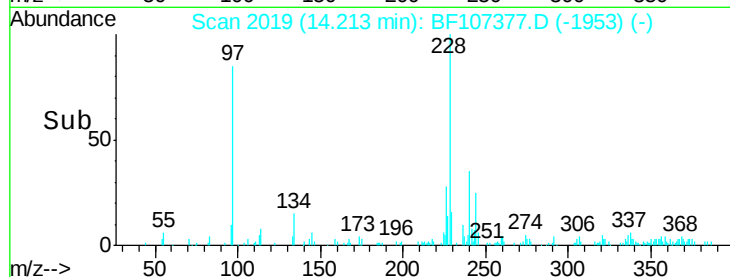


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



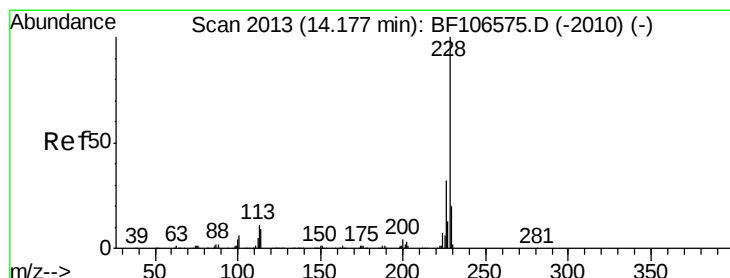
Abundance

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

Time-->



#82

Chrysene

Concen: 17.689 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.05 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

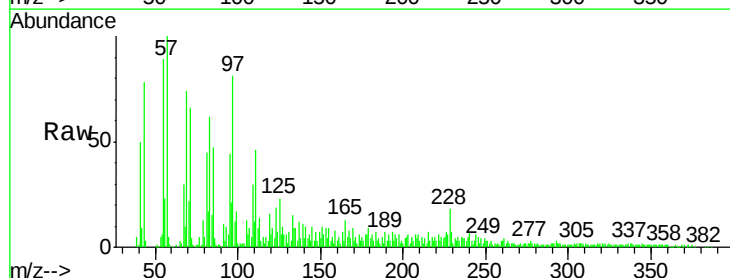
Tgt Ion:228 Resp: 36816

Ion Ratio Lower Upper

228 100

226 37.6 25.0 37.6#

229 38.9 16.2 24.4#

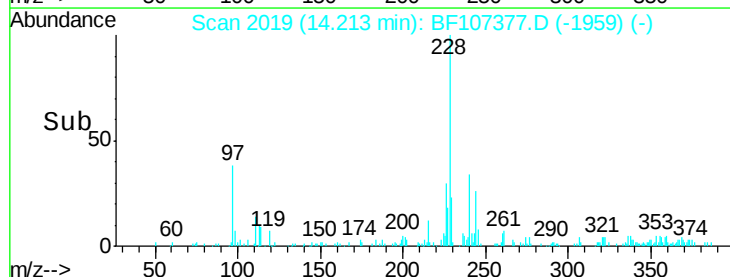


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



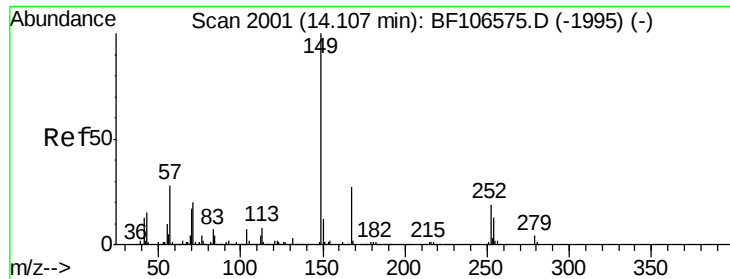
Abundance

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

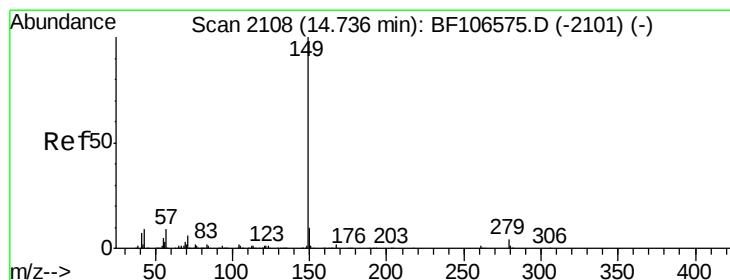
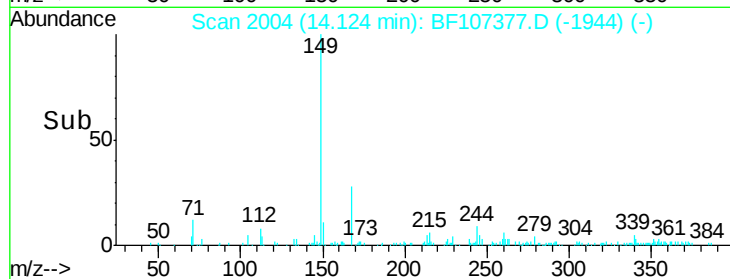
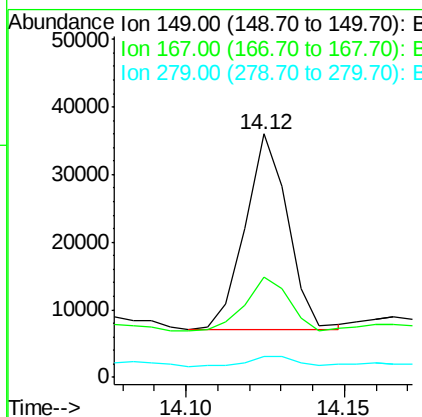
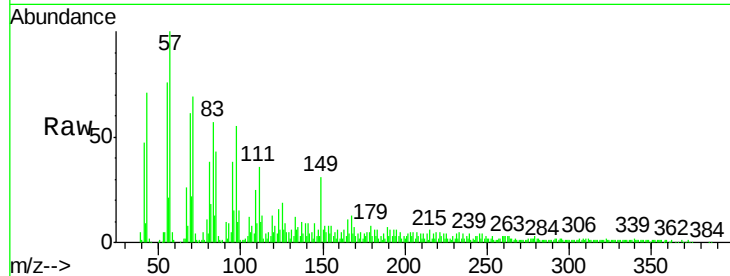
Time-->



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.910 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. 0.05 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

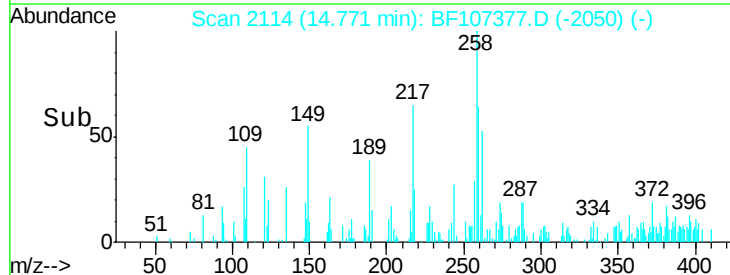
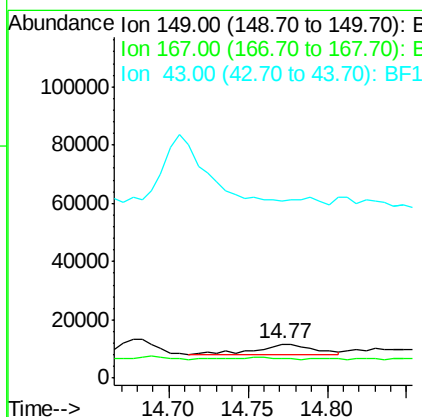
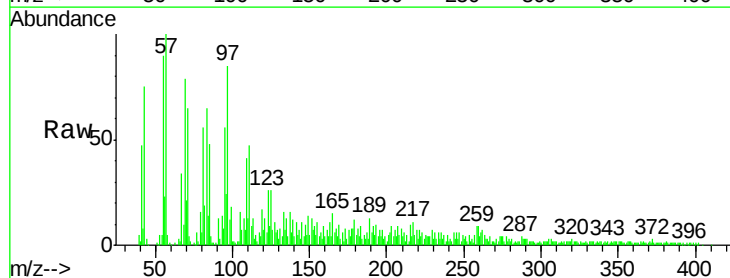
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

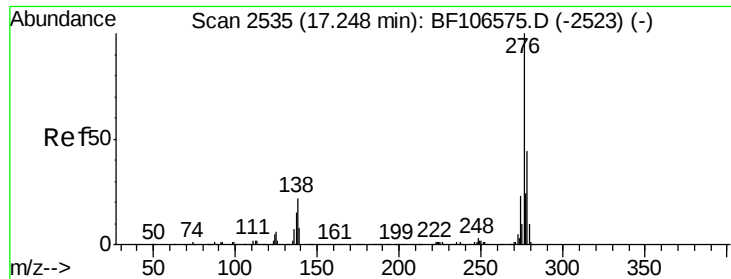
Tgt Ion:149 Resp: 26904
 Ion Ratio Lower Upper
 149 100
 167 41.2 21.3 31.9#
 279 8.5 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 3.759 ng
 RT: 14.77 min Scan# 2114
 Delta R.T. 0.08 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion:149 Resp: 7883
 Ion Ratio Lower Upper
 149 100
 167 12.4 1.2 1.8#
 43 0.0 8.4 12.6#

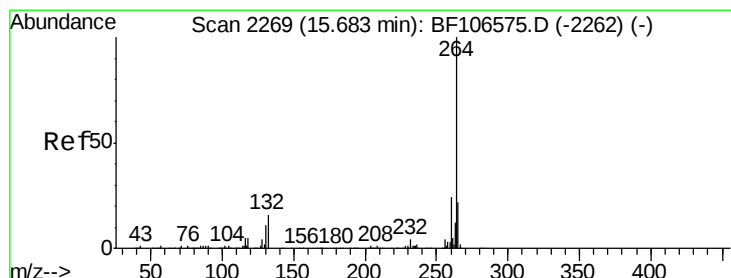
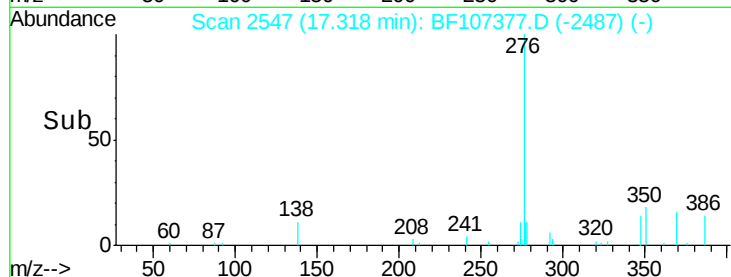
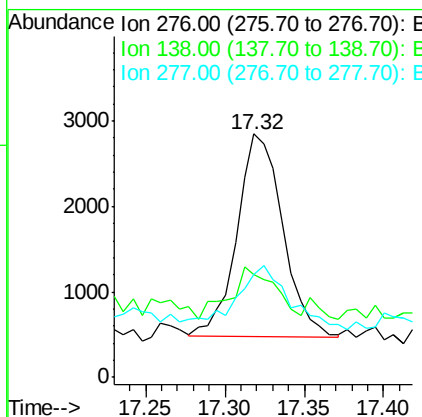
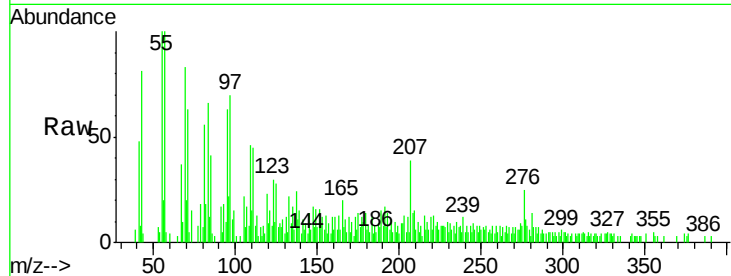




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.704 ng
 RT: 17.32 min Scan# 2547
 Delta R.T. 0.05 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

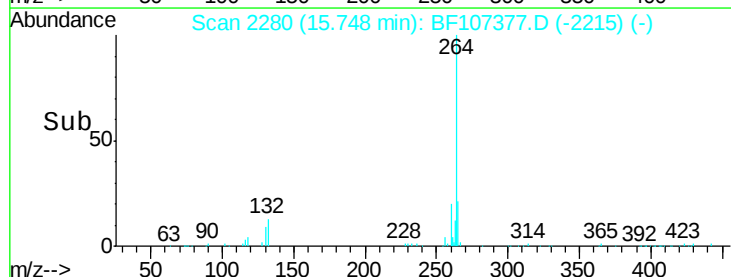
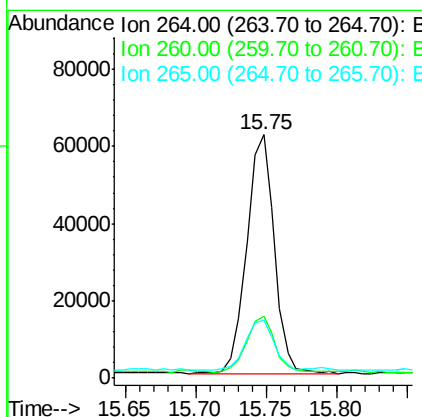
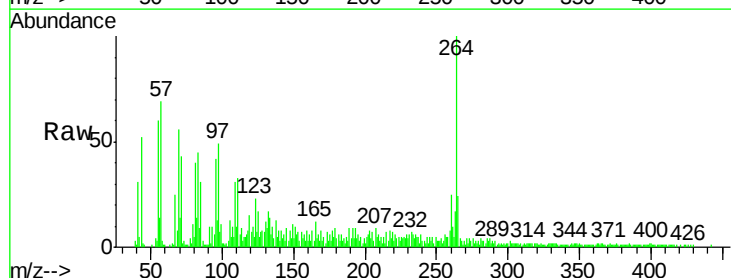
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

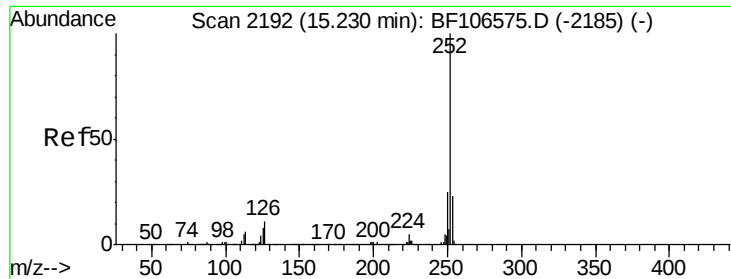
Tgt Ion: 276 Resp: 4776
 Ion Ratio Lower Upper
 276 100
 138 25.6 25.0 37.6
 277 34.8 20.1 30.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. 0.08 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Tgt Ion: 264 Resp: 84307
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.2 28.8
 265 24.1 17.5 26.3

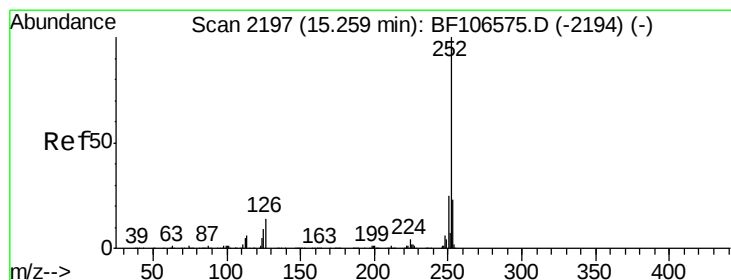
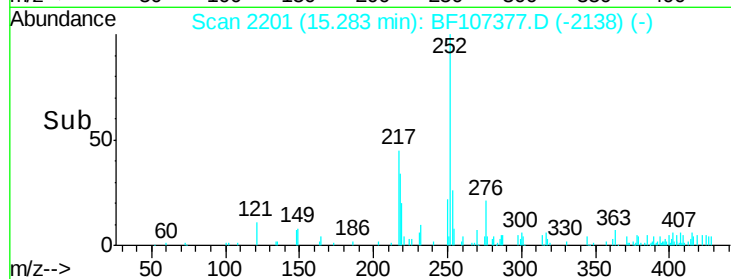
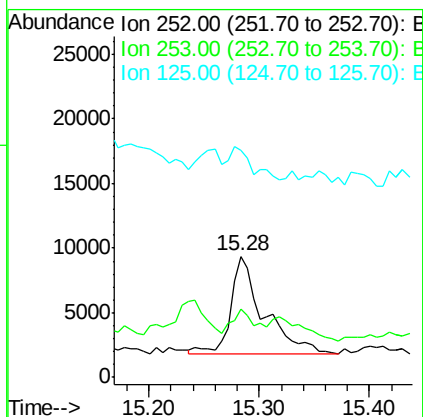
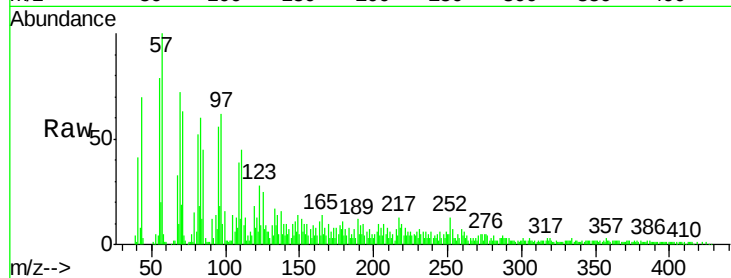




#87
Benzo(b)fluoranthene
Concen: 2.950 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.07 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

Tgt Ion:252 Resp: 15452
Ion Ratio Lower Upper
252 100
253 56.1 17.0 25.6#
125 187.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.098 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.04 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Tgt Ion:252 Resp: 15452
Ion Ratio Lower Upper
252 100
253 56.1 17.9 26.9#
125 187.8 10.2 15.2#

