

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 16 11:28:43 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

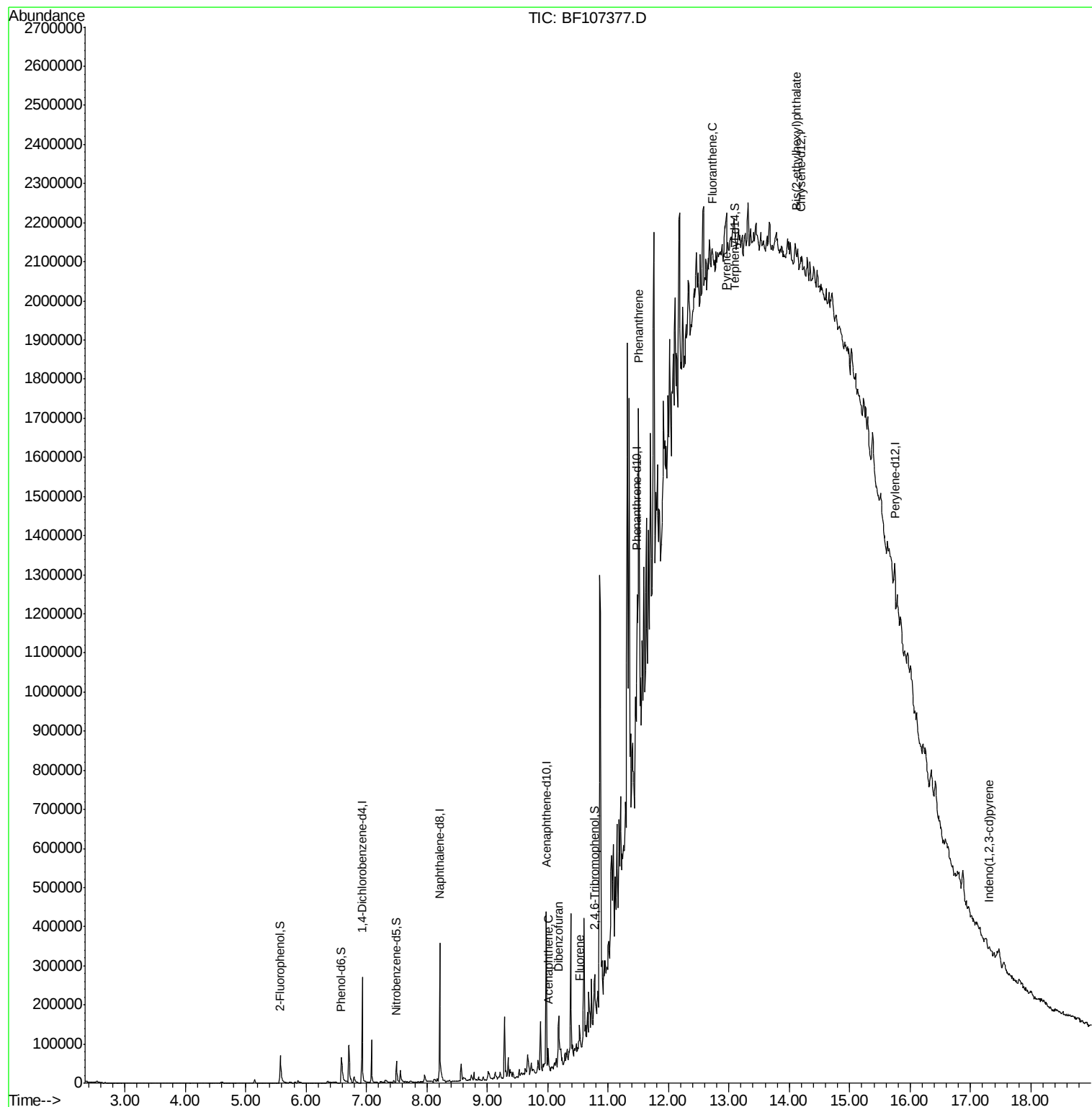
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	44999	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	162056	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	81909	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	150862	20.00	ng	0.00
75) Chrysene-d12	14.19	240	37120	20.00	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	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.10	244	20026	13.07	ng	0.04
Target Compounds						
51) Acenaphthene	10.01	154	10327	2.022	ng	96
54) Dibenzofuran	10.18	168	38198	5.461	ng	94
57) Fluorene	10.53	166	20063	3.614	ng	# 96
70) Phenanthrene	11.51	178	324765	44.633	ng	100
74) Fluoranthene	12.73	202	51067	6.367	ng	89
77) Pyrene	12.97	202	24060	9.829	ng	# 73
83) Bis(2-ethylhexyl)phthalate	14.12	149	26904	20.910	ng	# 73
85) Indeno(1,2,3-cd)pyrene	17.32	276	4776	2.704	ng	# 86

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

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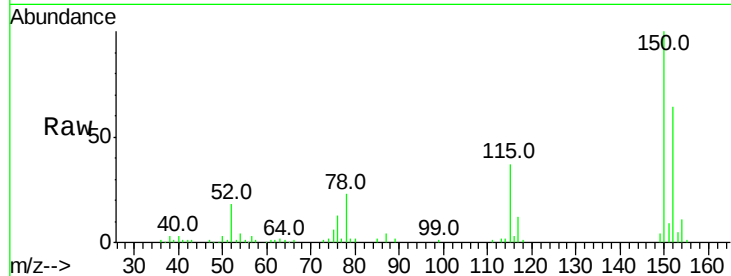


#1

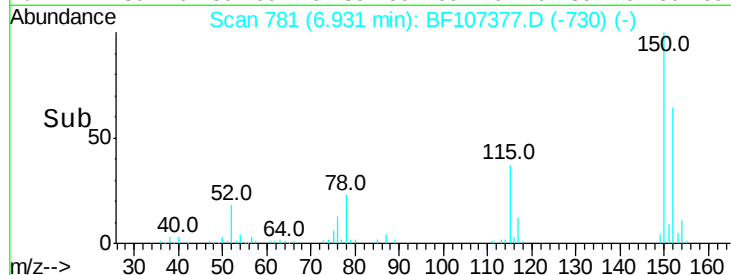
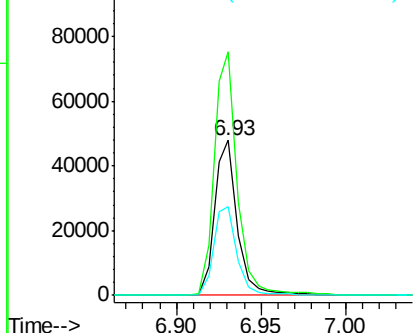
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

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



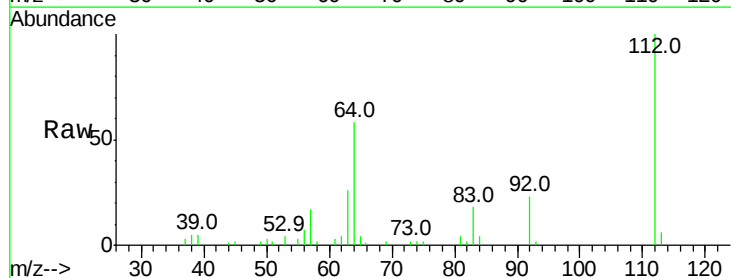
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



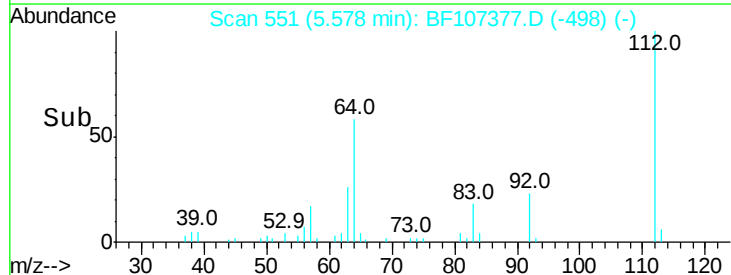
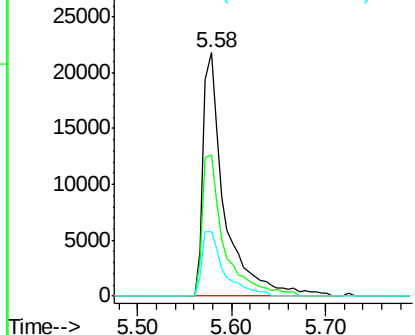
#5

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

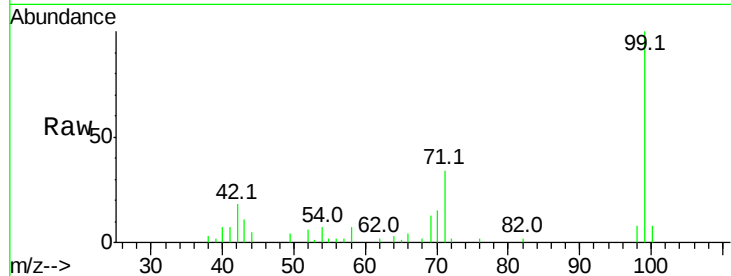
Tot Ion: 99 Resp: 38504

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

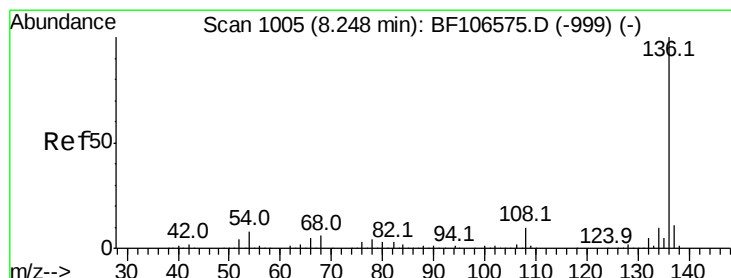
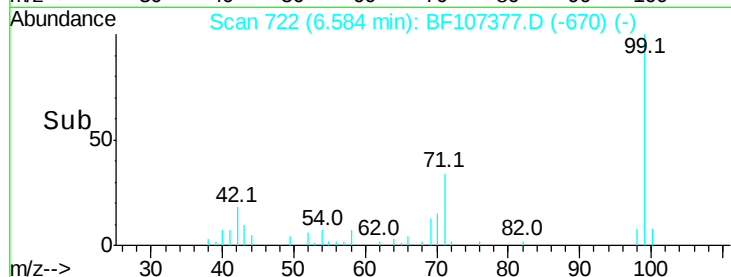
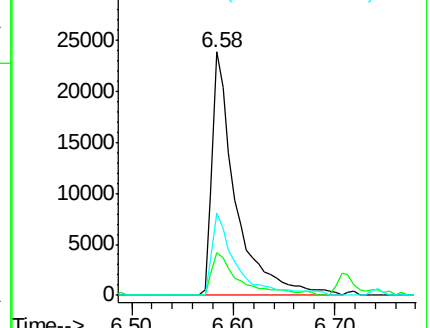
71 33.8 25.4 38.0



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

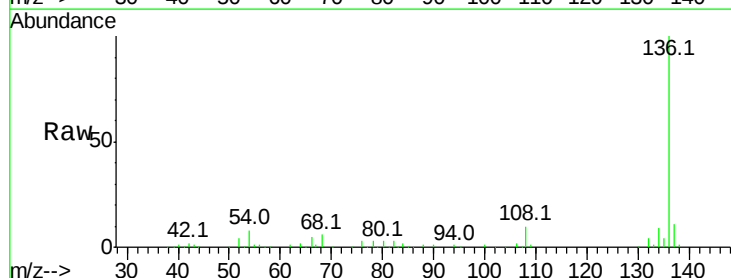
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.9 6.6 9.8

68 6.2 5.0 7.4

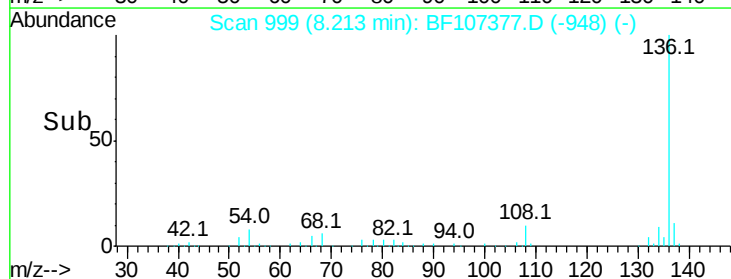
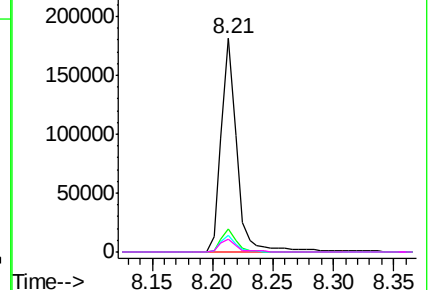


Abundance Ion 136.00 (135.70 to 136.70): E

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

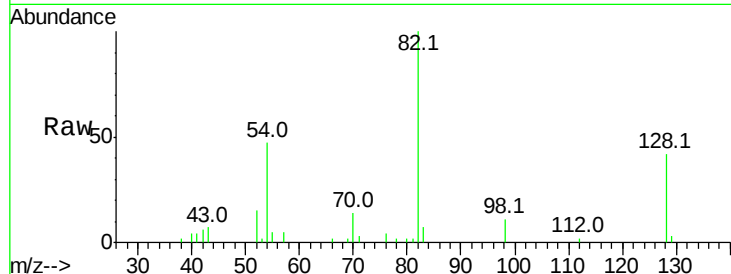




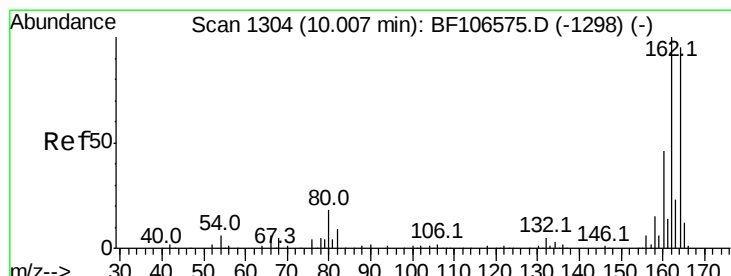
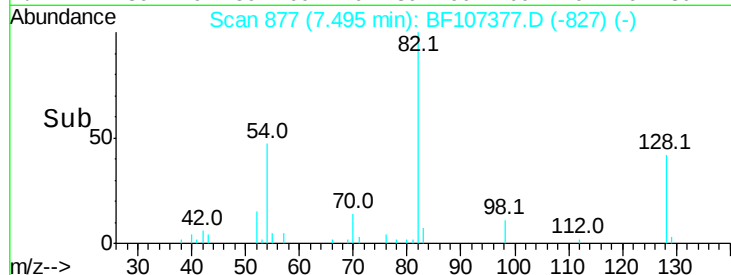
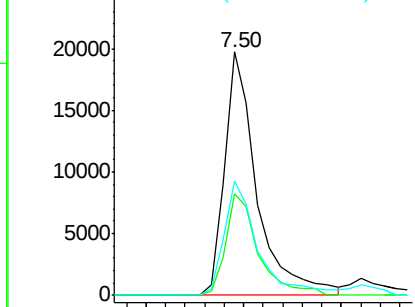
#23
 Nitrobenzene-d5
 Concen: 7.753 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-WEST

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

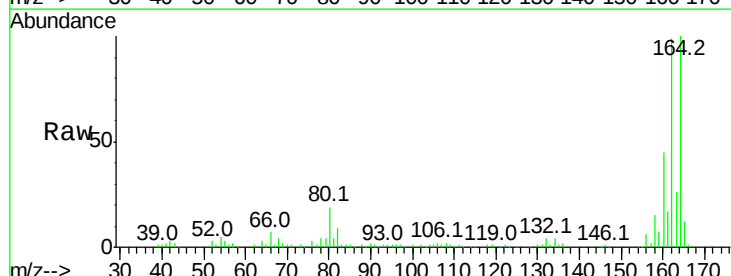


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

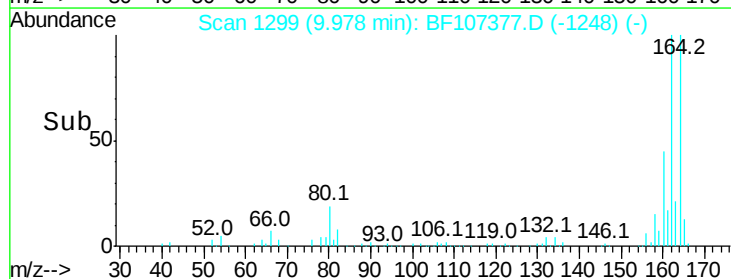
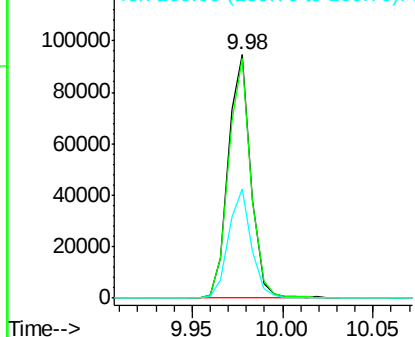


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

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

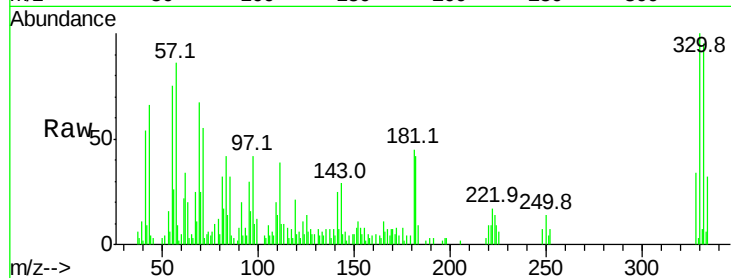
Tot Ion:330 Resp: 12363

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

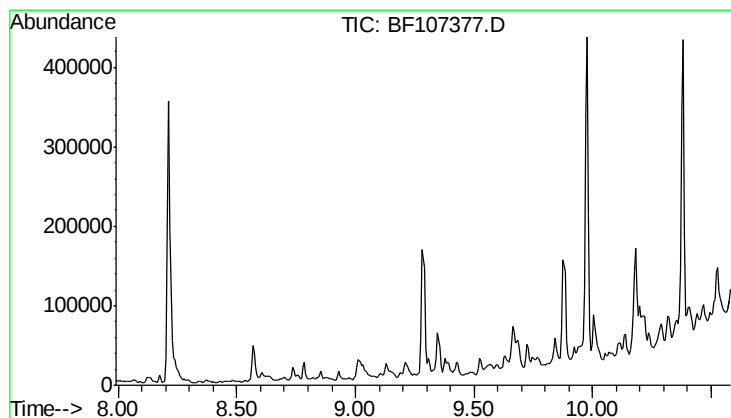
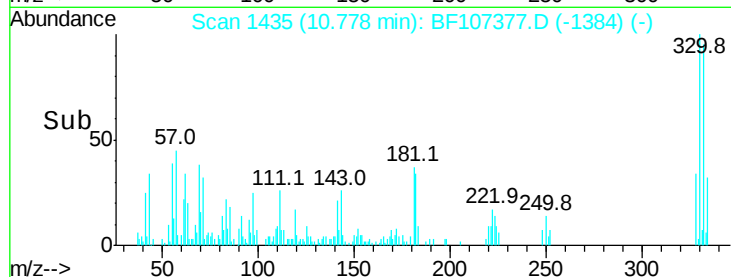
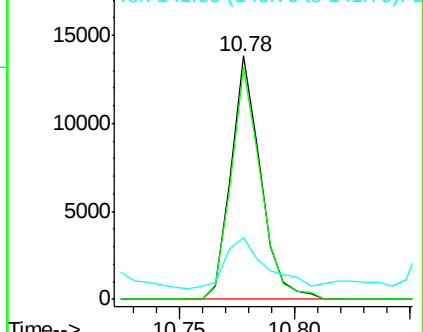
141 28.3 29.9 44.9#



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



#44

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.29 min

Lab File: BF107377.D

Acq: 13 Jul 2018 19:42

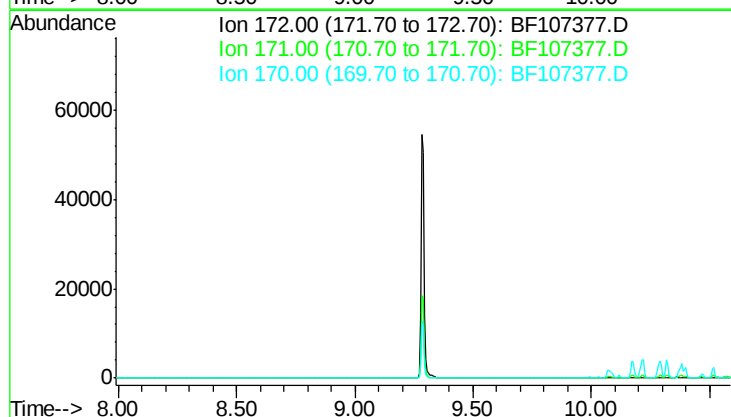
Tgt Ion: 172

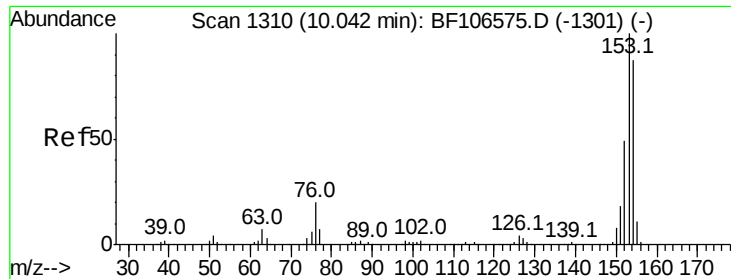
Sig Exp Ratio

172 100

171 37.1

170 24.5





#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

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

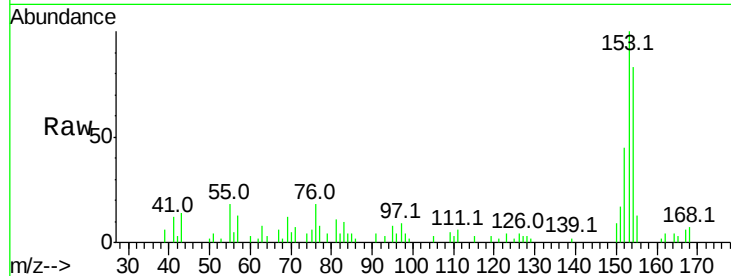
Tot Ion:154 Resp: 10327

Ion Ratio Lower Upper

154 100

153 120.9 91.2 136.8

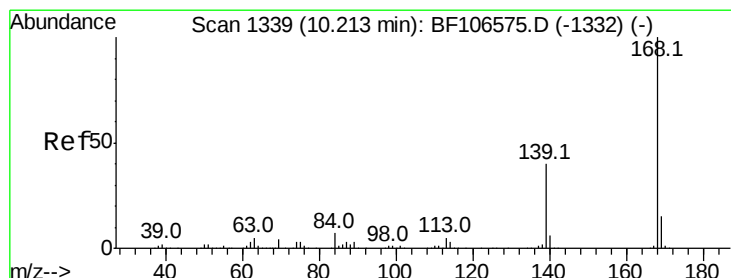
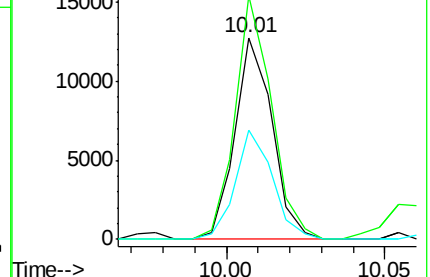
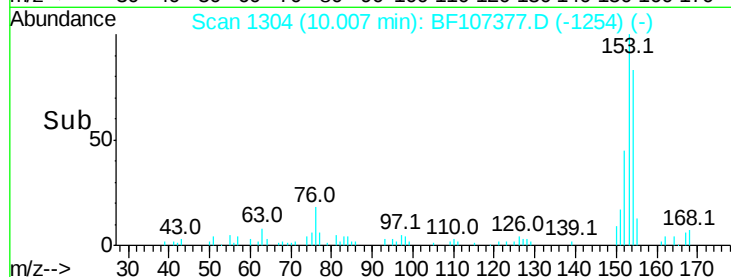
152 54.5 43.8 65.8



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

Dibenzofuran

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

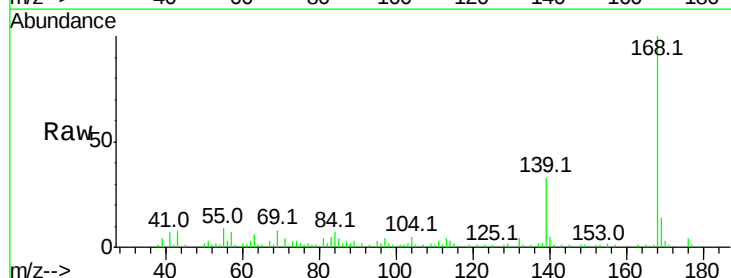
Tgt Ion:168 Resp: 38198

Ion Ratio Lower Upper

168 100

139 32.6 30.1 45.1

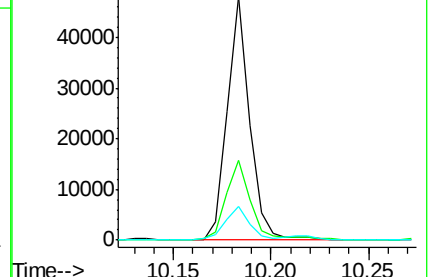
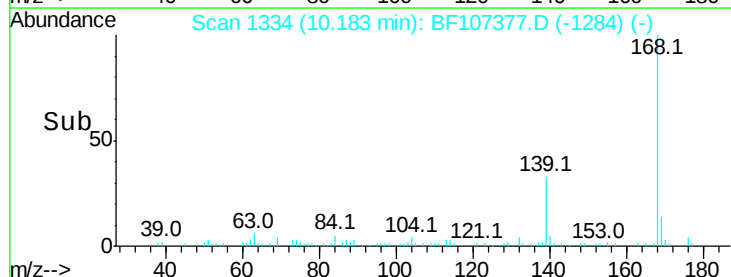
169 14.1 10.9 16.3

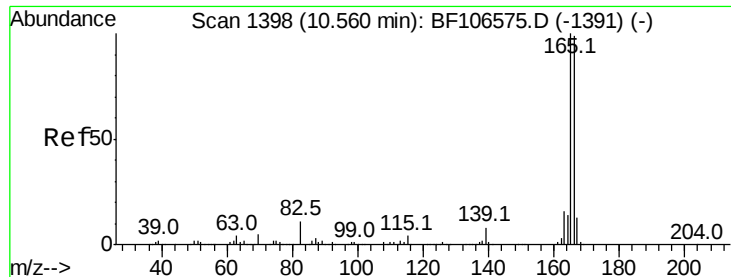


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

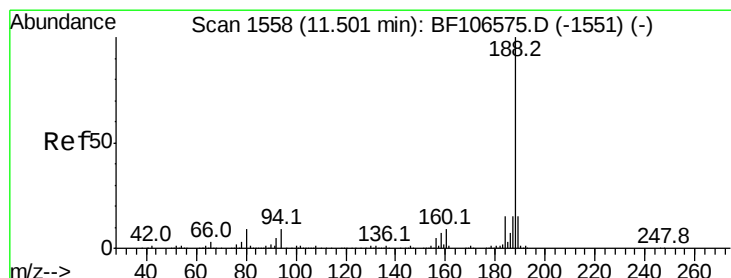
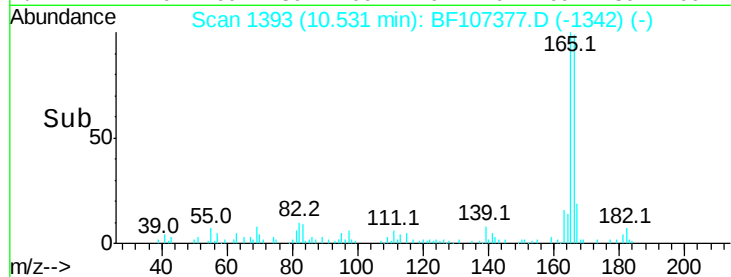
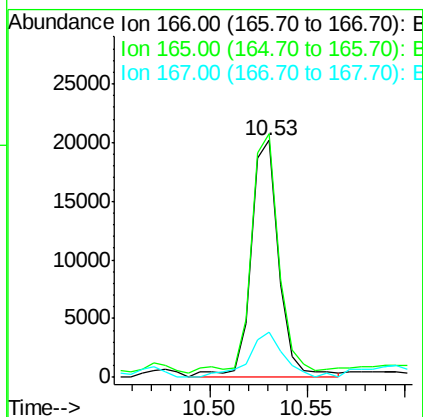
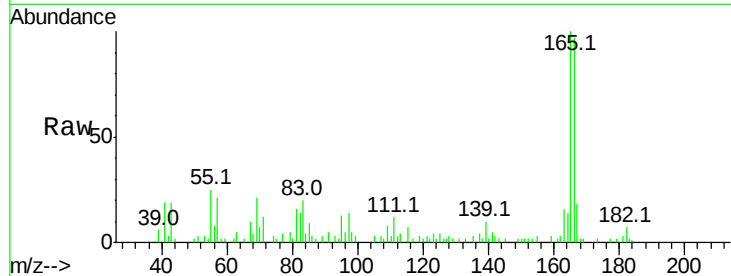




#57
 Fluorene
 Concen: 3.614 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BF107377.D
 Acq: 13 Jul 2018 19:42

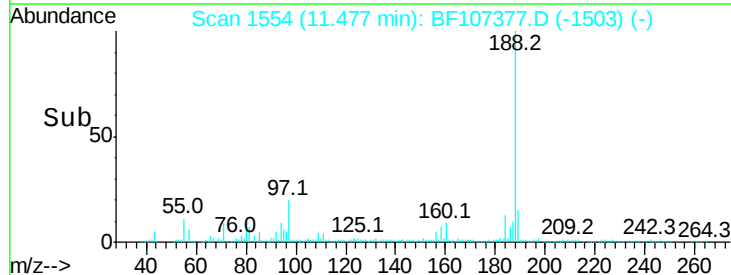
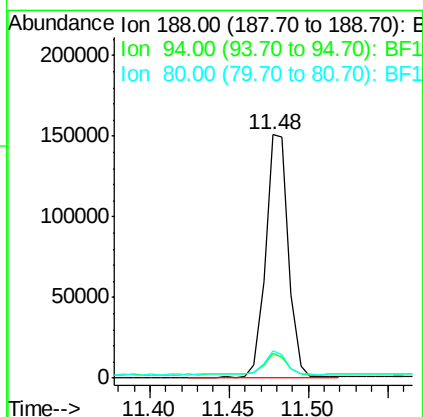
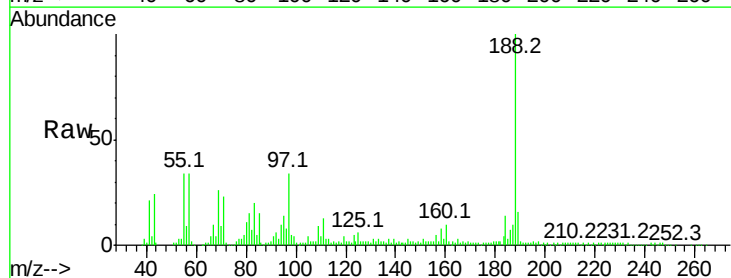
Instrument :
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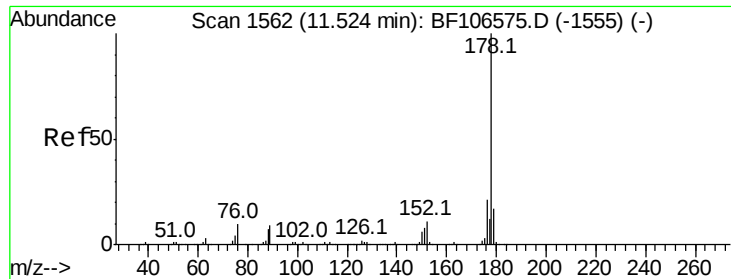
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	79.8	119.8
167	18.9	10.6	16.0



#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	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

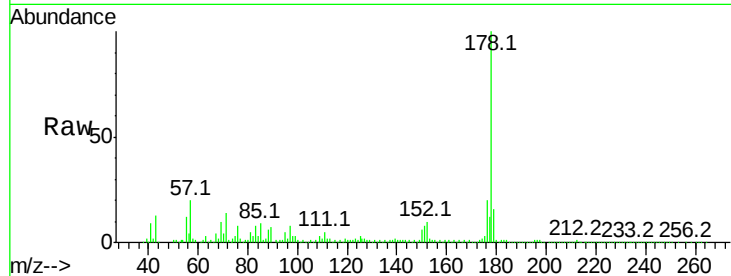
Tot Ion:178 Resp: 324765

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

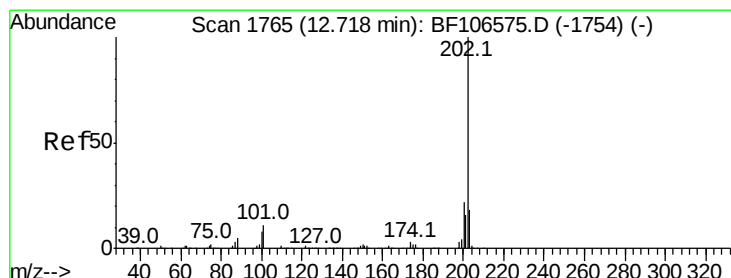
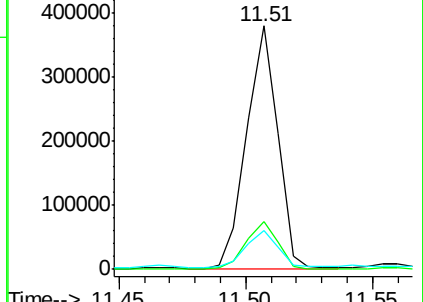
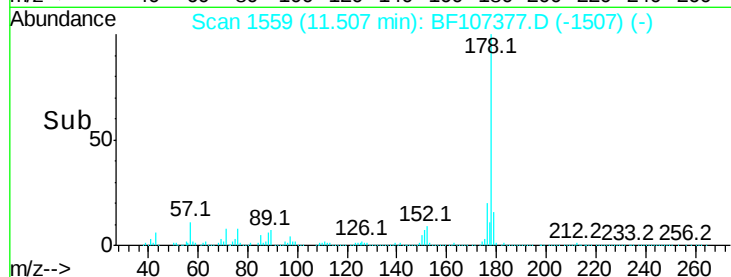
179 16.2 13.0 19.6



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



#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

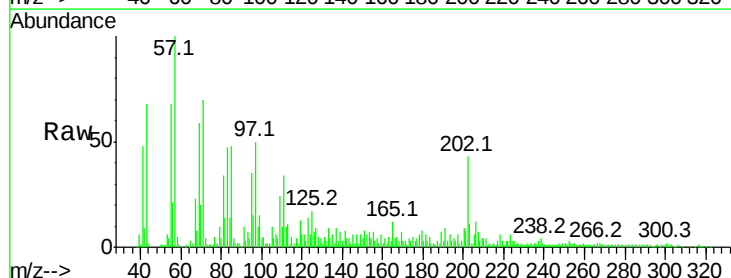
Tgt Ion:202 Resp: 51067

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

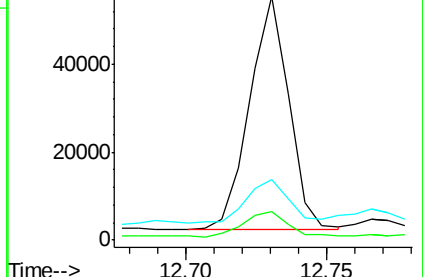
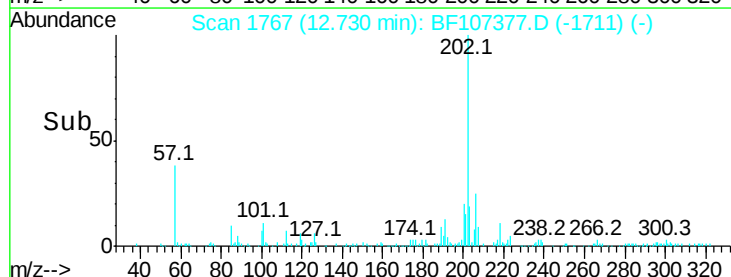
203 24.8 0.0 38.1

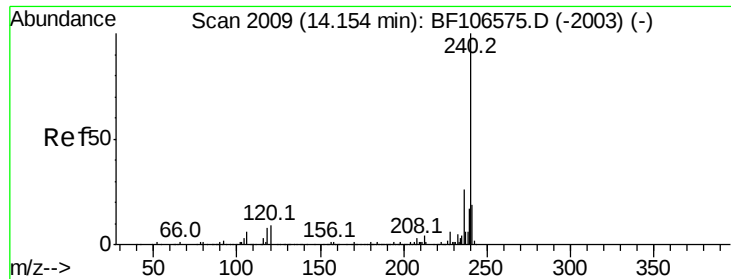


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

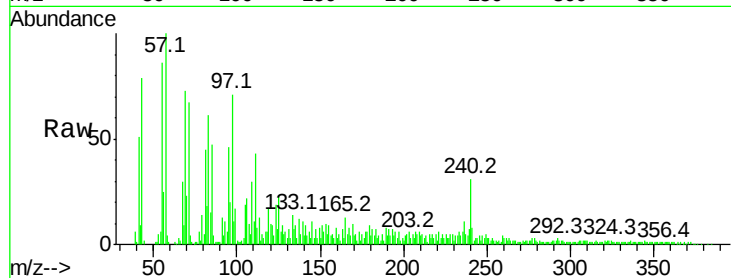
Tot Ion:240 Resp: 37120

Ion Ratio Lower Upper

240 100

120 32.4 9.5 14.3#

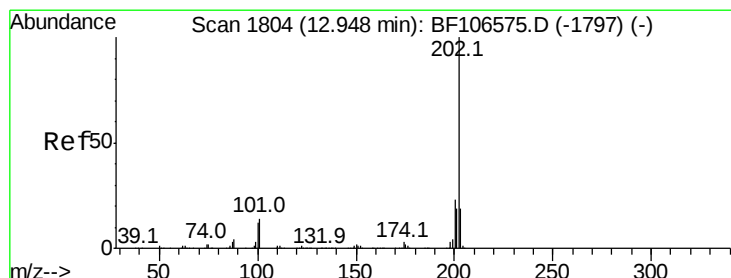
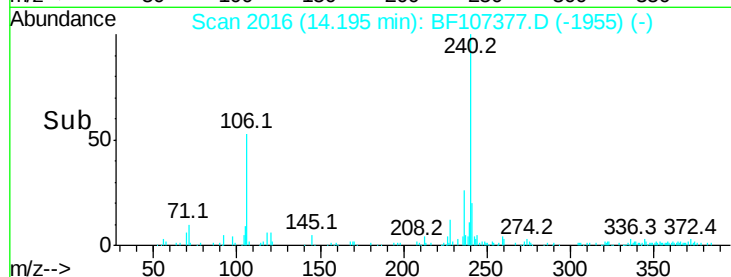
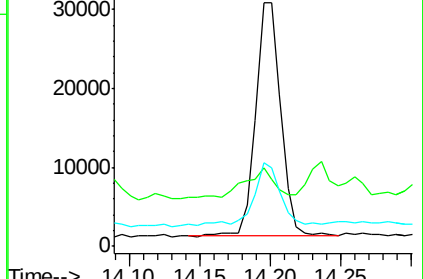
236 34.5 20.7 31.1#



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

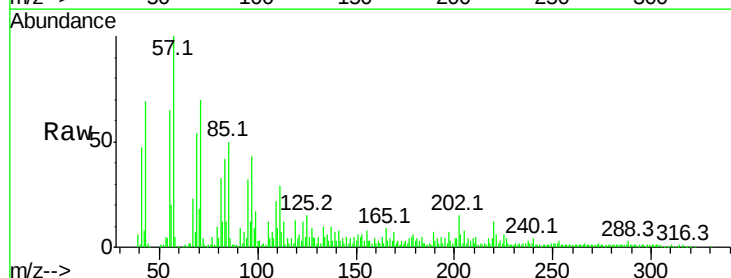
Tgt Ion:202 Resp: 24060

Ion Ratio Lower Upper

202 100

200 24.0 17.4 26.2

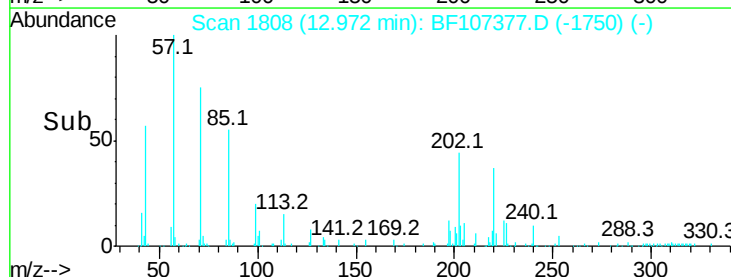
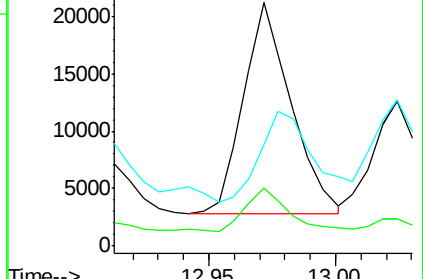
203 41.7 14.3 21.5#

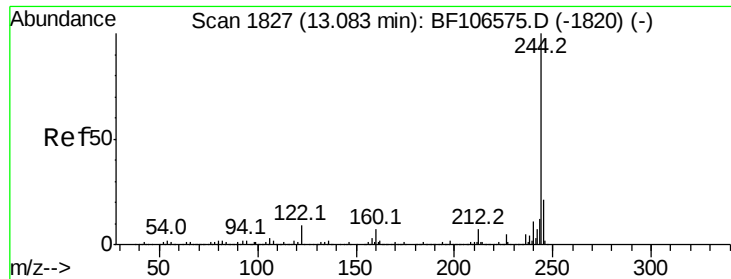


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#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

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-WEST

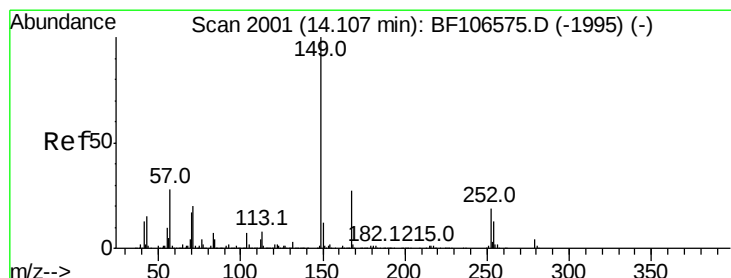
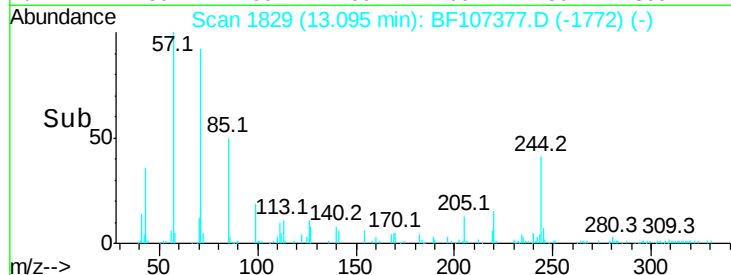
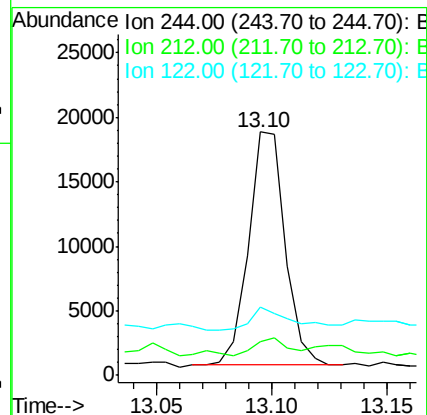
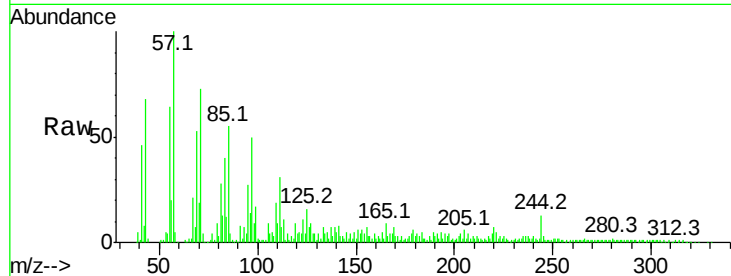
Tot Ion:244 Resp: 20026

Ion Ratio Lower Upper

244 100

212 14.0 5.4 8.0#

122 28.1 11.0 16.4#



#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

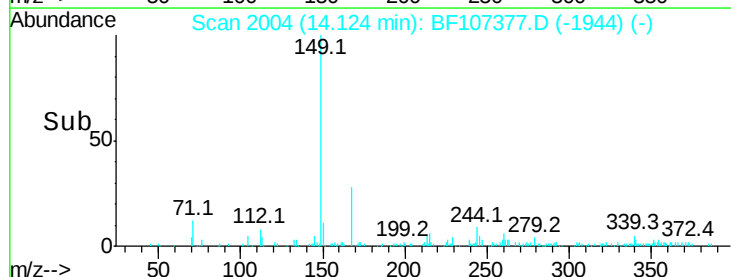
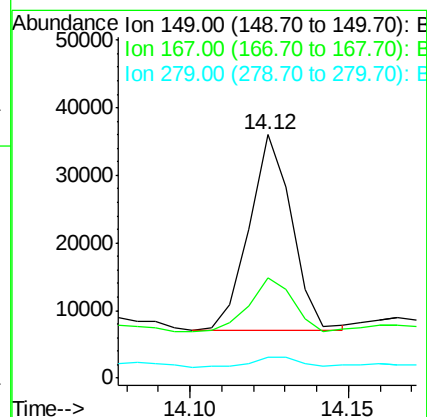
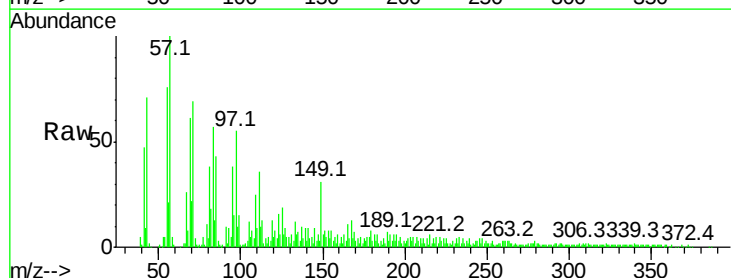
Tgt Ion:149 Resp: 26904

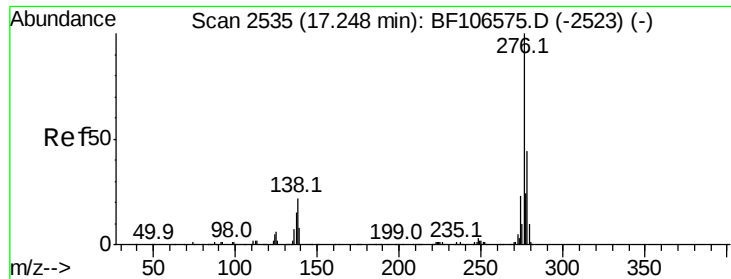
Ion Ratio Lower Upper

149 100

167 41.2 21.3 31.9#

279 8.5 3.0 4.4#

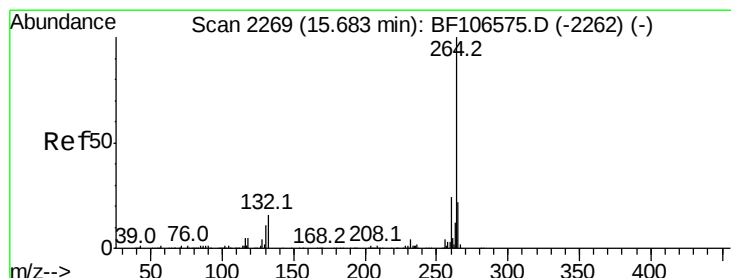
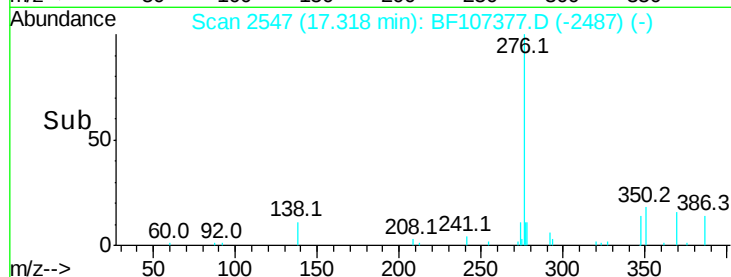
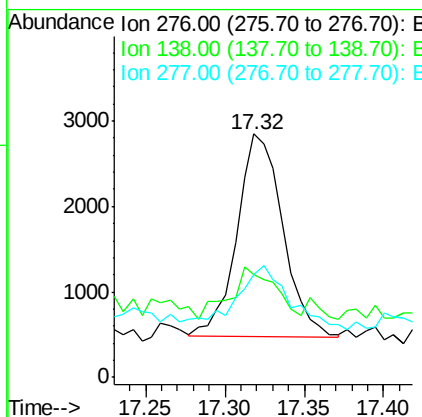
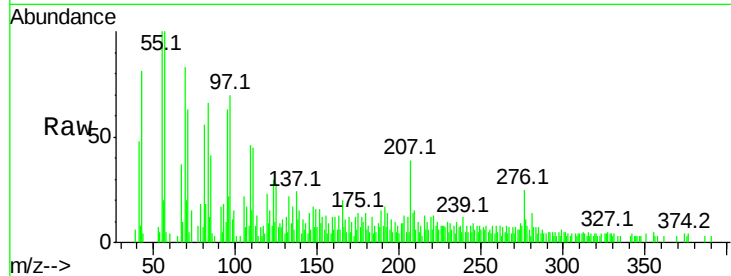




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.704 ng
RT: 17.32 min Scan# 2547
Delta R.T. 0.05 min
Lab File: BF107377.D
Acq: 13 Jul 2018 19:42

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-WEST

Tot 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

