

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
 Data File : BF082528.D
 Acq On : 27 Oct 2015 3:39
 Operator : UM/IZ
 Sample : G4140-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-GWRE

Quant Time: Oct 27 11:25:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

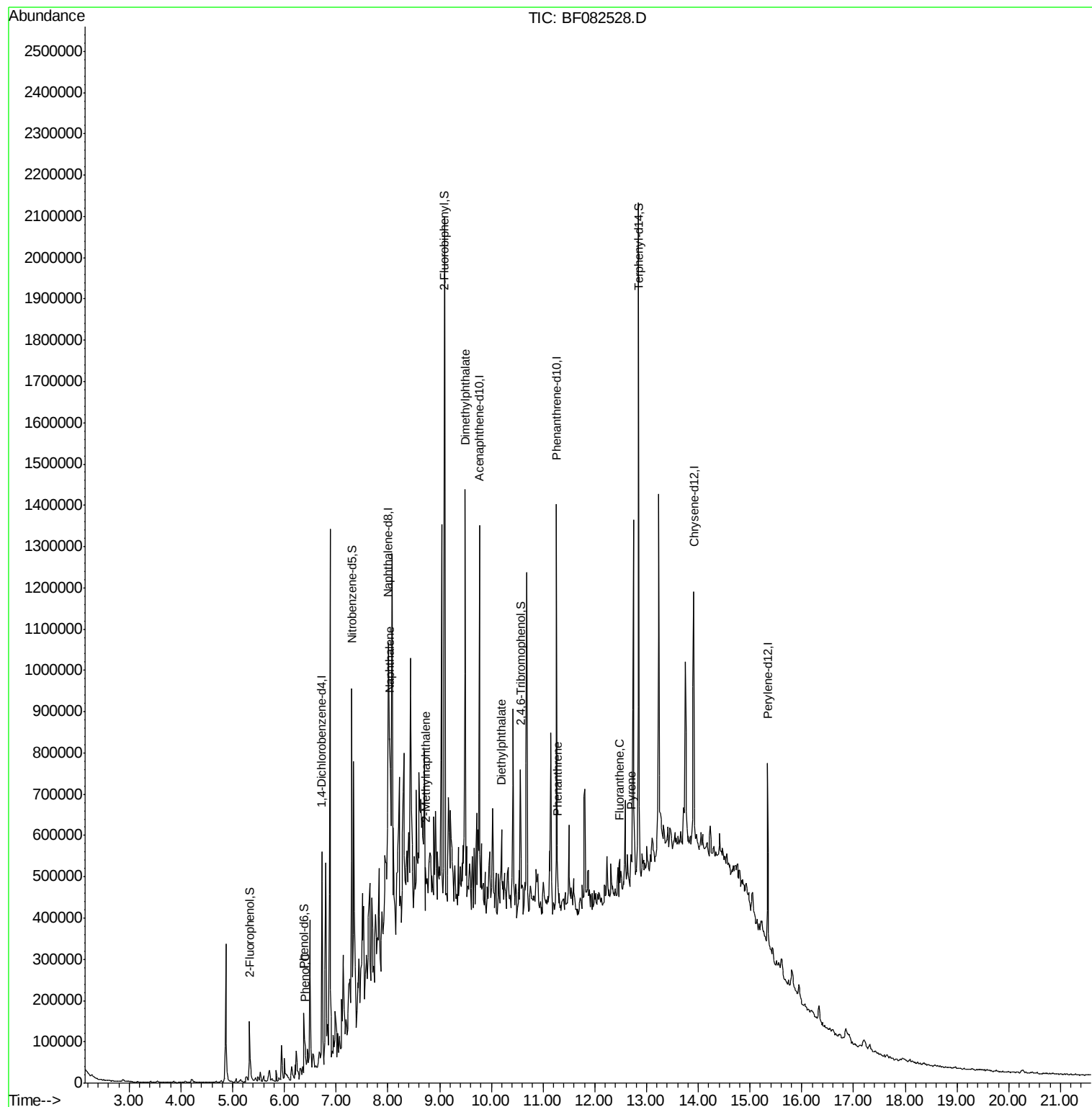
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	101155	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	363953	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	188272	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	345299	20.00	ng	0.00
75) Chrysene-d12	13.91	240	266838	20.00	ng	0.00
86) Perylene-d12	15.34	264	212736	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	67445	13.16	ng	0.01
7) Phenol-d6	6.38	99	70953	10.62	ng	0.00
23) Nitrobenzene-d5	7.30	82	297201	52.68	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	36840	26.13	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	612332	51.72	ng	0.00
78) Terphenyl-d14	12.85	244	521539	56.31	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.40	94	17435	2.30	ng	82
31) Naphthalene	8.03	128	147987	8.90	ng	# 96
37) 2-Methylnaphthalene	8.73	142	29439	2.62	ng	95
49) Dimethylphthalate	9.50	163	176338	13.46	ng	100
59) Diethylphthalate	10.19	149	32163	2.52	ng	98
70) Phenanthrene	11.28	178	44655	2.51	ng	# 94
74) Fluoranthene	12.47	202	37953	2.08	ng	91
77) Pyrene	12.70	202	39912	2.43	ng	# 93

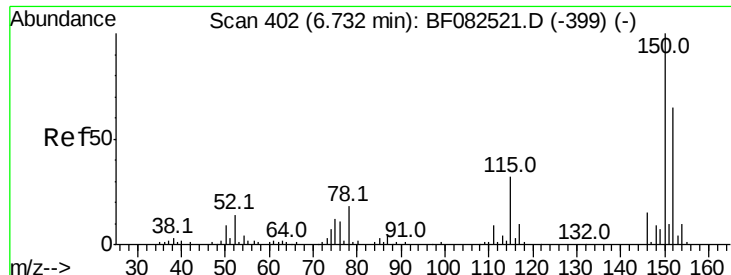
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

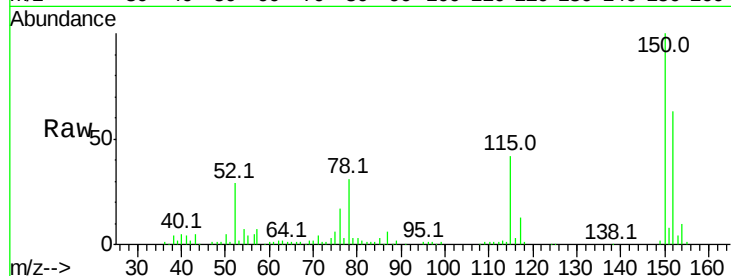
Tot Ion:152 Resp: 101155

Ion Ratio Lower Upper

152 100

150 159.3 123.4 185.0

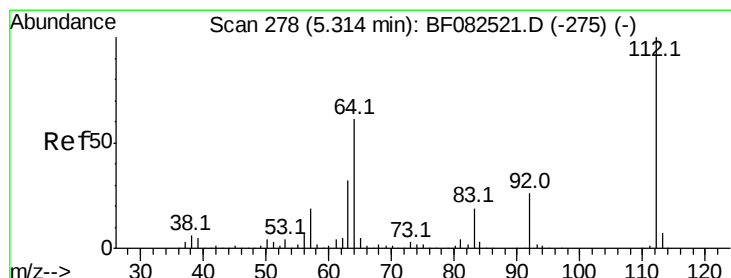
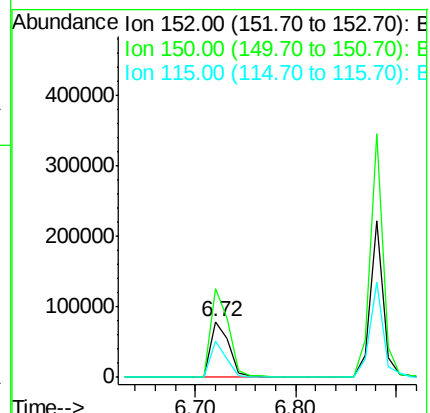
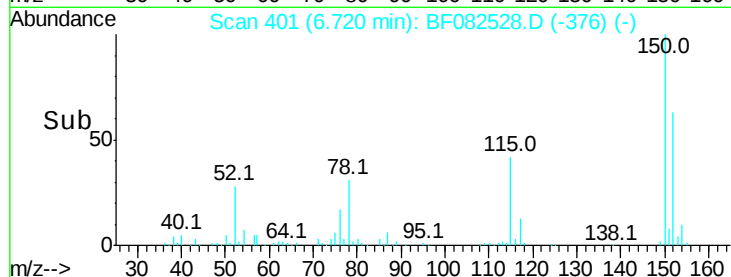
115 66.2 39.0 58.4#



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: 13.16 ng

RT: 5.33 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

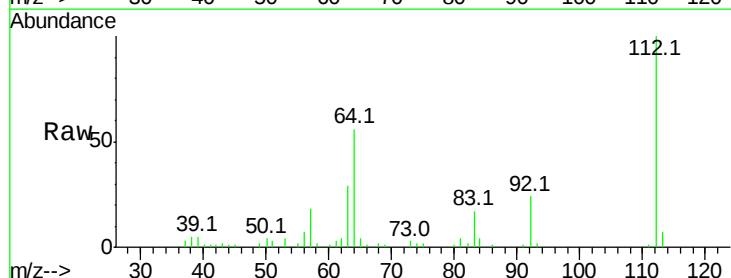
Tgt Ion:112 Resp: 67445

Ion Ratio Lower Upper

112 100

64 55.9 49.0 73.4

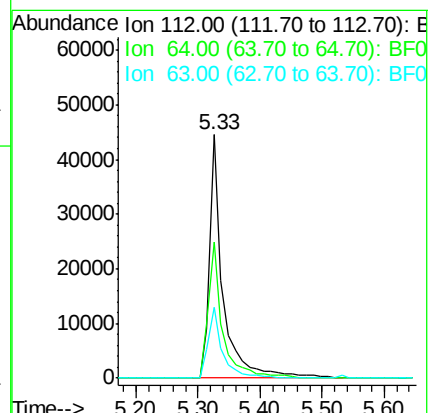
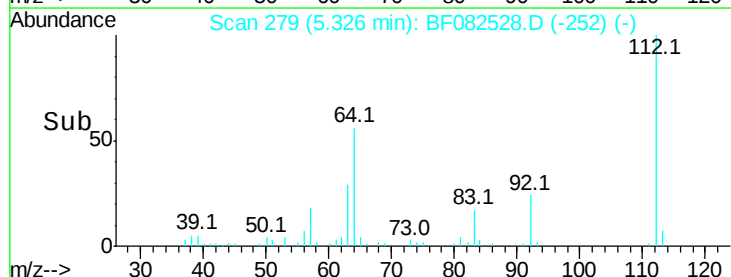
63 29.3 25.8 38.6

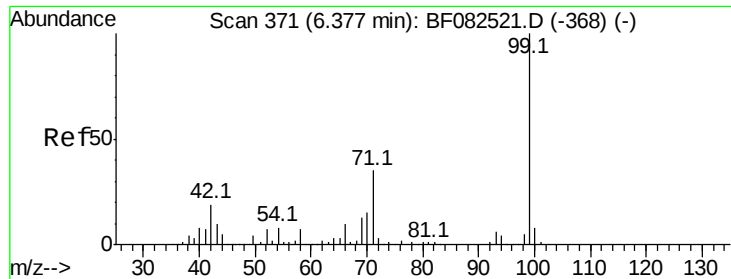


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.62 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

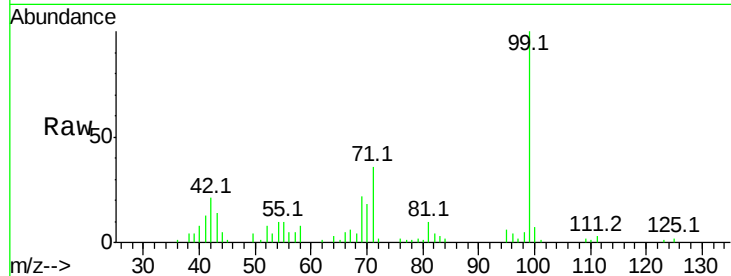
Tot Ion: 99 Resp: 70953

Ion Ratio Lower Upper

99 100

42 21.2 15.1 22.7

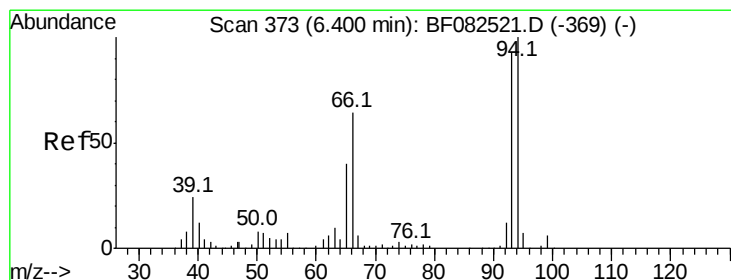
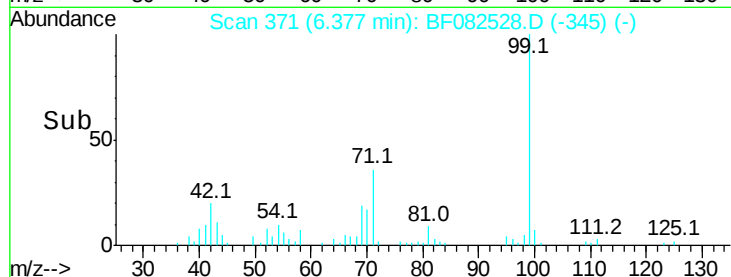
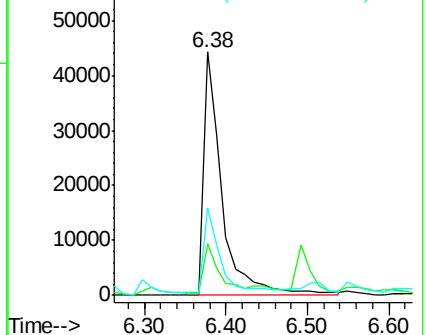
71 35.8 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.30 ng

RT: 6.40 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

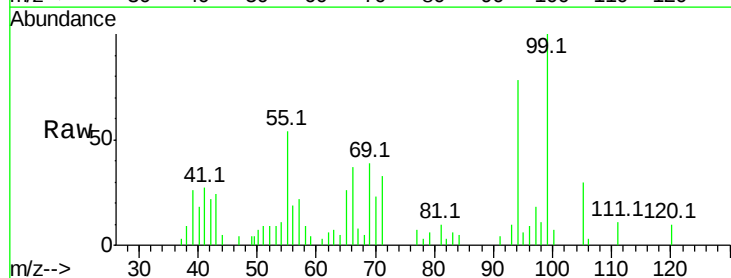
Tgt Ion: 94 Resp: 17435

Ion Ratio Lower Upper

94 100

65 33.0 19.9 59.9

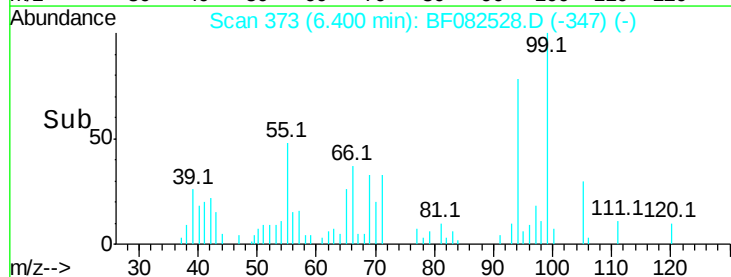
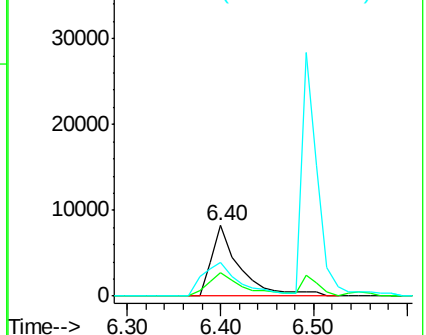
66 47.1 44.1 84.1

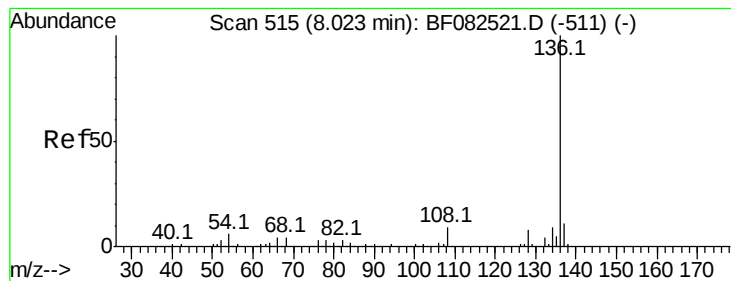


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

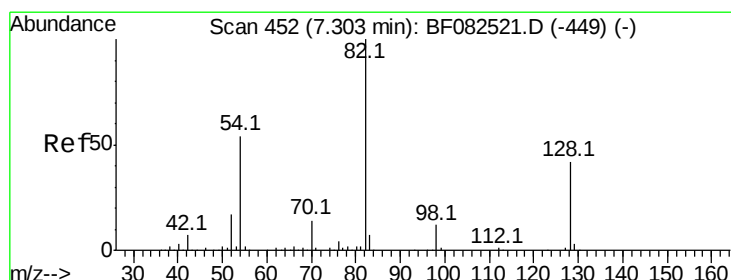
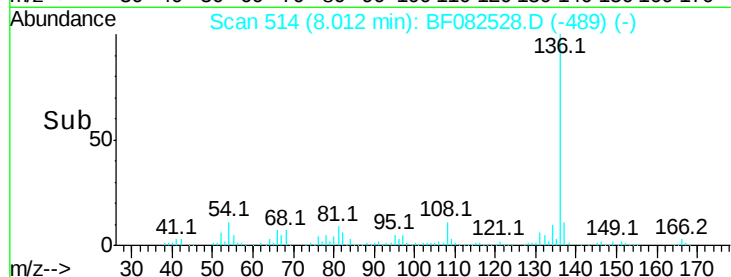
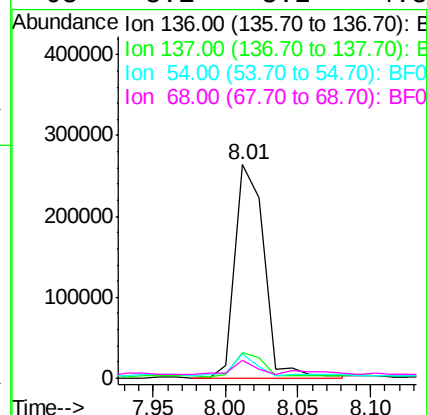
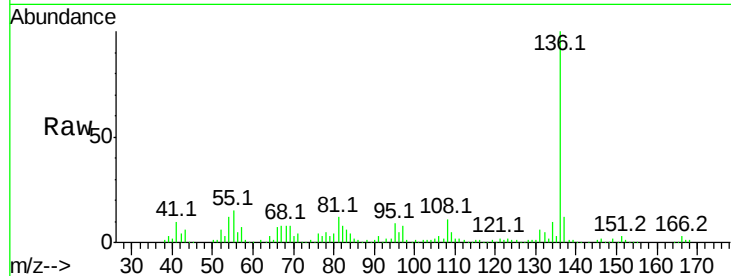




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

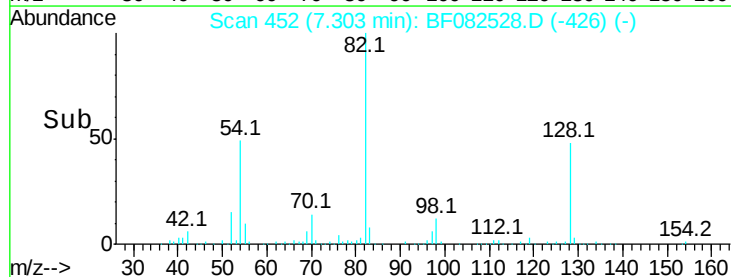
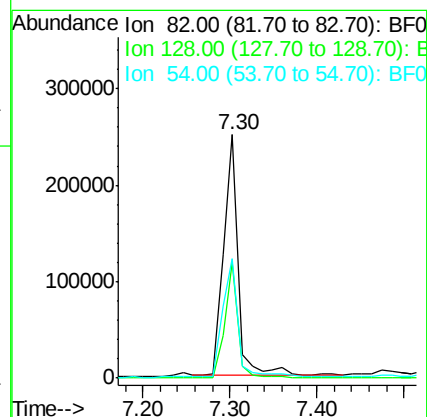
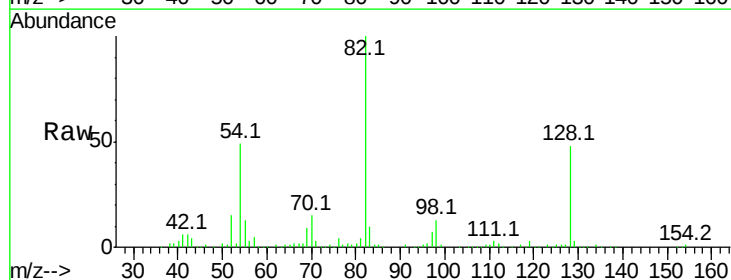
Instrument :
BNA_F
ClientSampleId :
SB15-45-GWRE

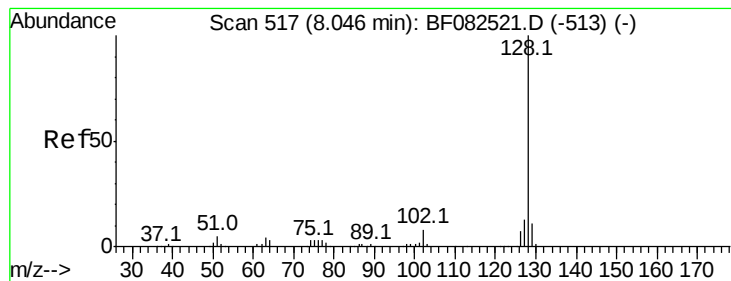
Tot Ion:136	Resp:	363953
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.6	13.0
54 11.7	4.6	7.0#
68 8.1	3.2	4.8#



#23
Nitrobenzene-d5
Concen: 52.68 ng
RT: 7.30 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

Tgt Ion: 82	Resp:	297201
Ion Ratio	Lower	Upper
82 100		
128 47.7	33.4	50.0
54 49.0	43.5	65.3





#31

Naphthalene

Concen: 8.90 ng

RT: 8.03 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

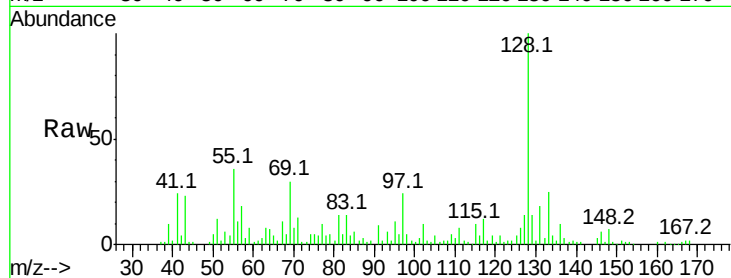
Tot Ion:128 Resp: 147987

Ion Ratio Lower Upper

128 100

129 14.0 8.6 12.8#

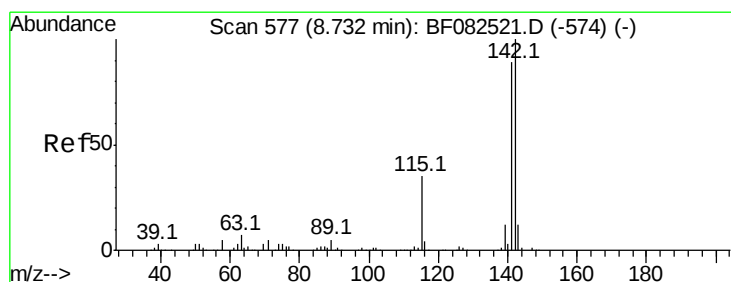
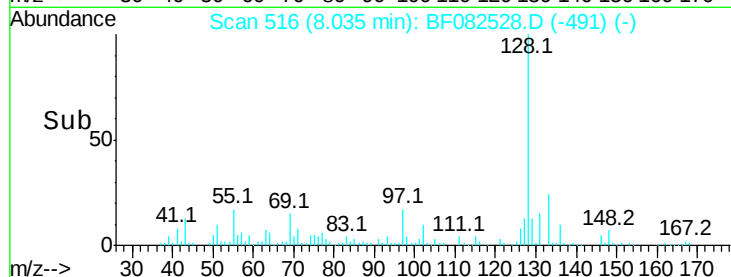
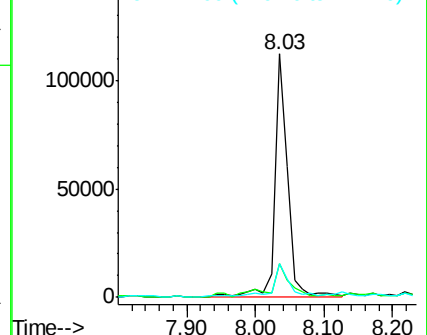
127 13.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.62 ng

RT: 8.73 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

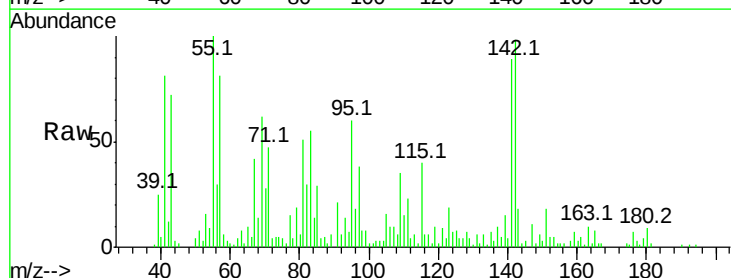
Tgt Ion:142 Resp: 29439

Ion Ratio Lower Upper

142 100

141 91.6 71.0 106.6

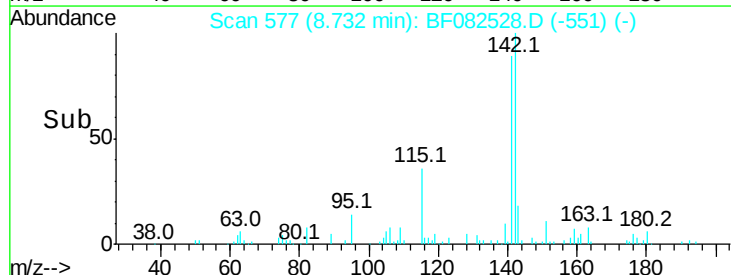
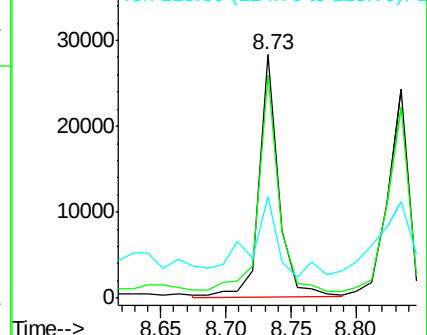
115 41.5 28.0 42.0

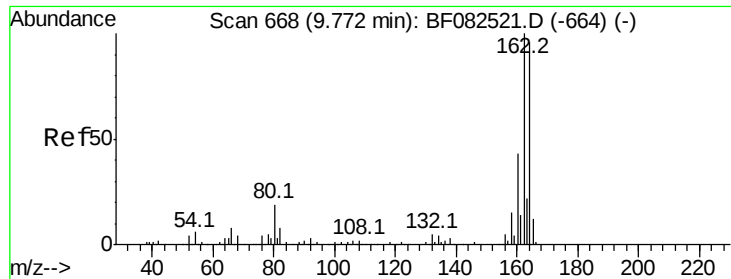


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 668

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

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ClientSampleId :

SB15-45-GWRE

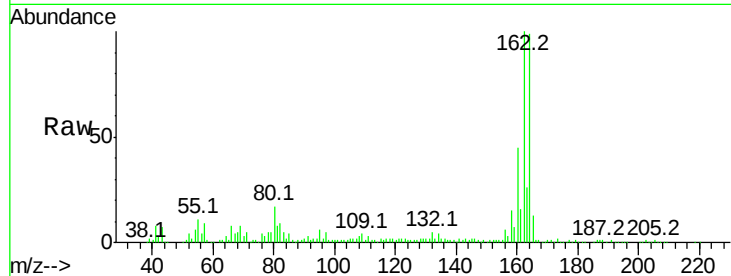
Tot Ion:164 Resp: 188272

Ion Ratio Lower Upper

164 100

162 101.2 83.6 125.4

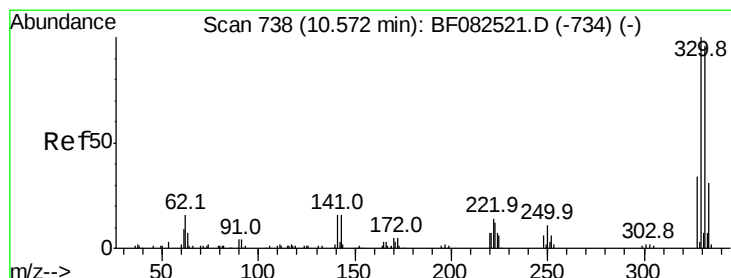
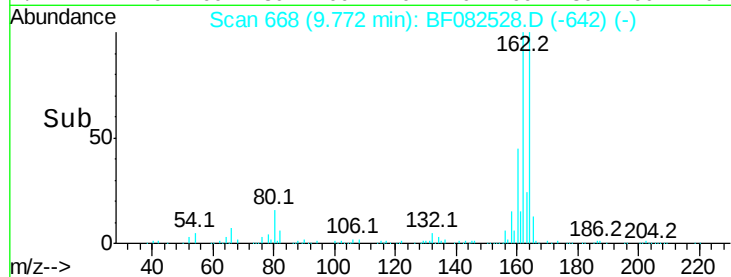
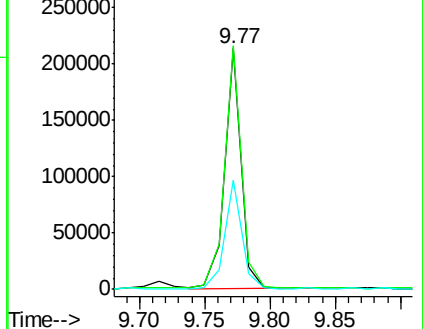
160 45.2 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 26.13 ng

RT: 10.56 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

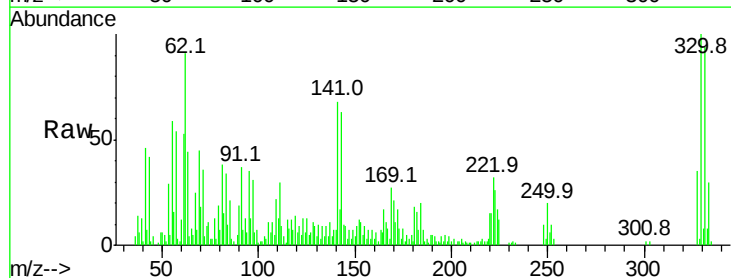
Tgt Ion:330 Resp: 36840

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

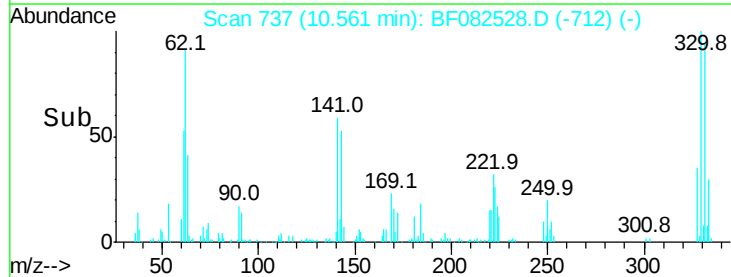
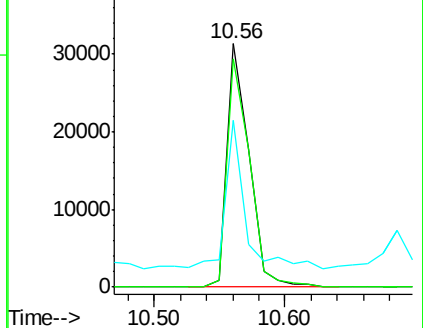
141 54.8 32.5 48.7#

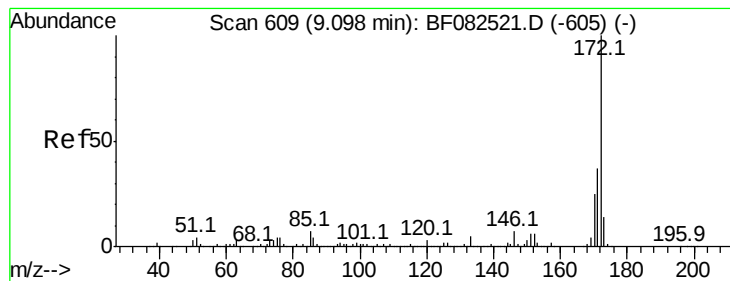


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

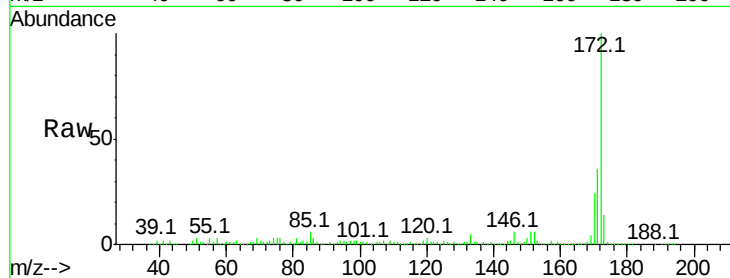




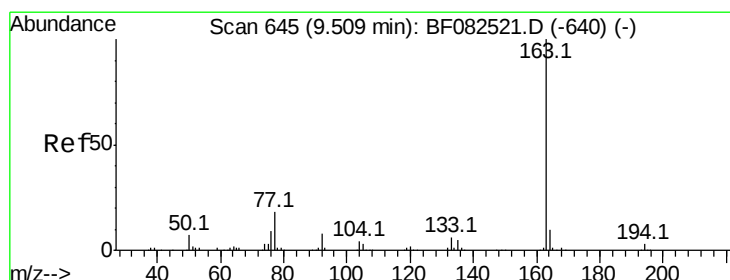
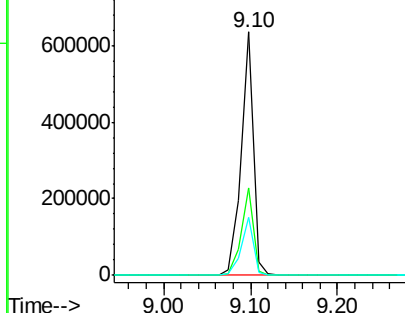
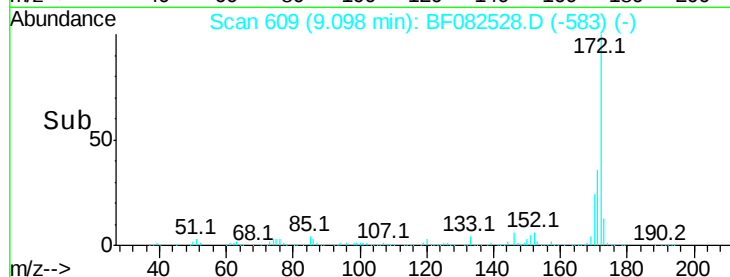
#44
2-Fluorobiphenyl
Concen: 51.72 ng
RT: 9.10 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

Instrument :
BNA_F
ClientSampleId :
SB15-45-GWRE

Tot Ion:172 Resp: 612332
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.8 19.8 29.6

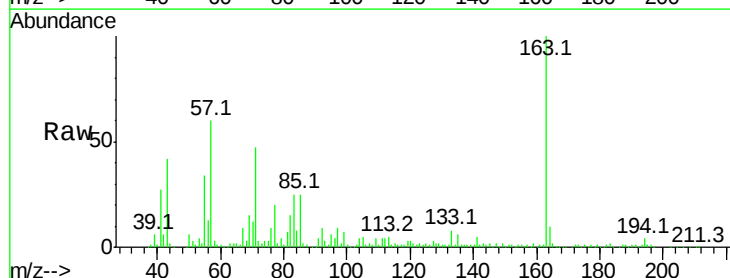


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

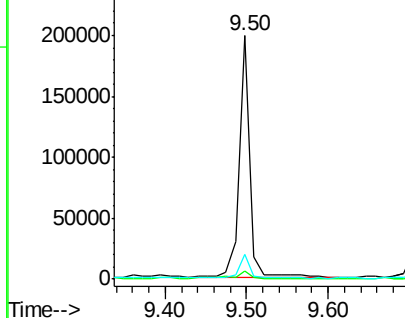
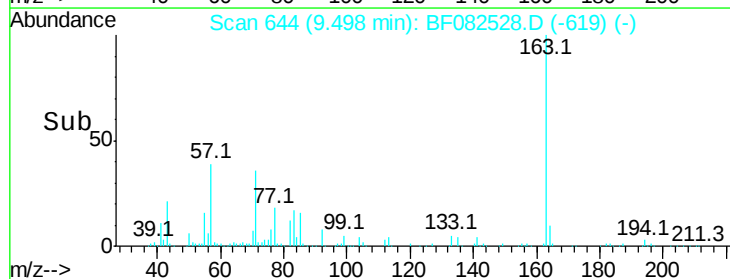


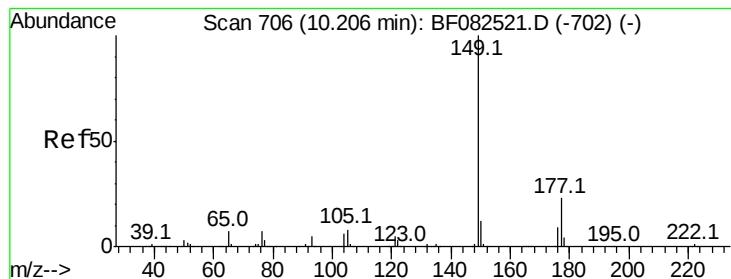
#49
Dimethylphthalate
Concen: 13.46 ng
RT: 9.50 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

Tgt Ion:163 Resp: 176338
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.3 8.2 12.4



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





#59

Diethylphthalate

Concen: 2.52 ng

RT: 10.19 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

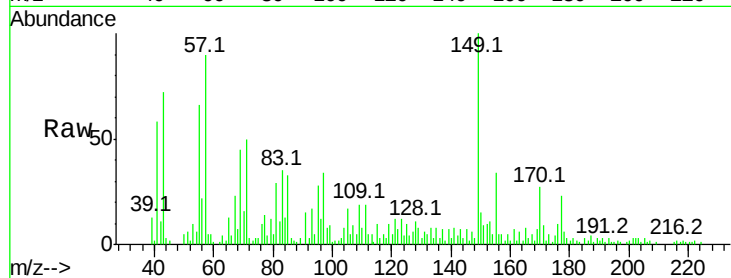
Tot Ion:149 Resp: 32163

Ion Ratio Lower Upper

149 100

177 23.5 18.6 28.0

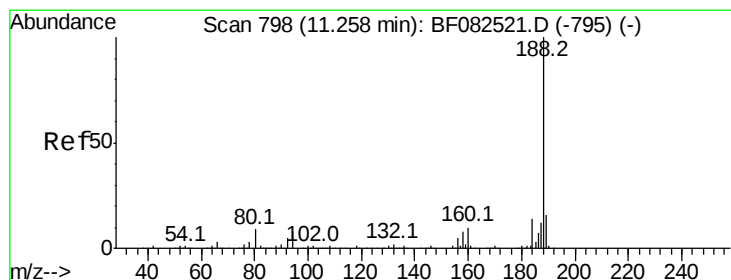
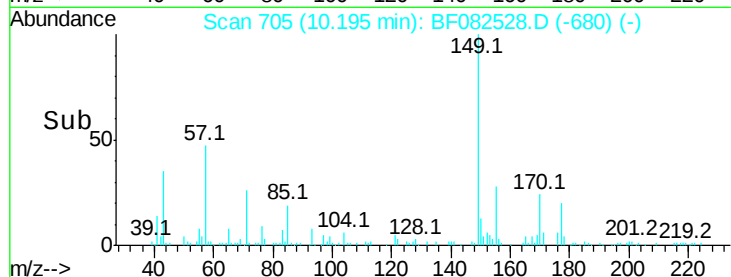
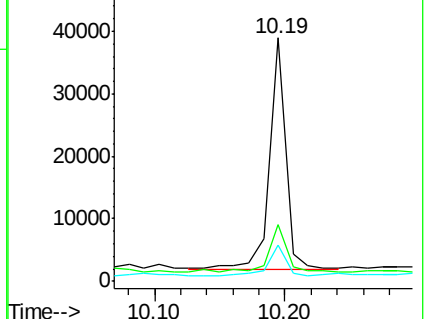
150 14.7 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

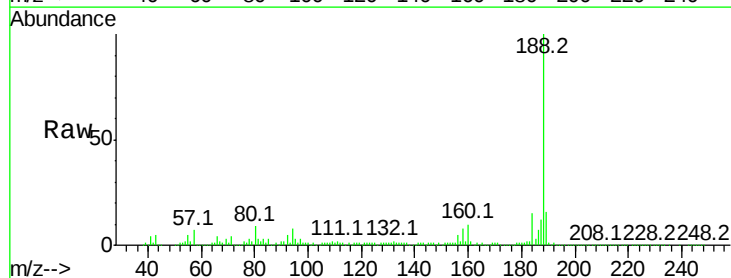
Tgt Ion:188 Resp: 345299

Ion Ratio Lower Upper

188 100

94 8.5 6.4 9.6

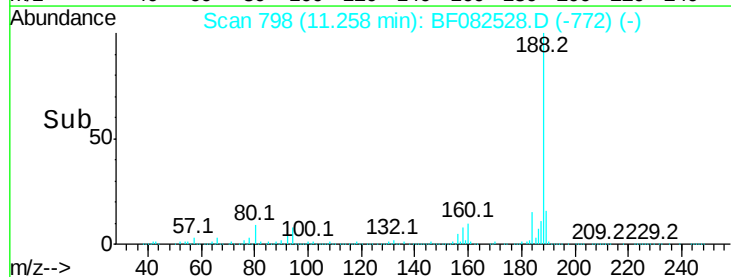
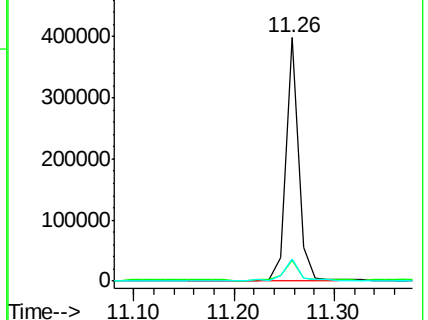
80 9.0 7.0 10.6

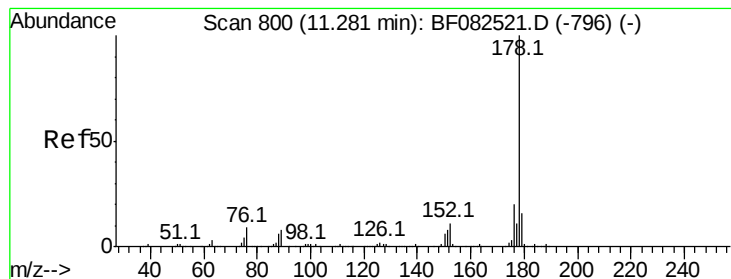


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.51 ng

RT: 11.28 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

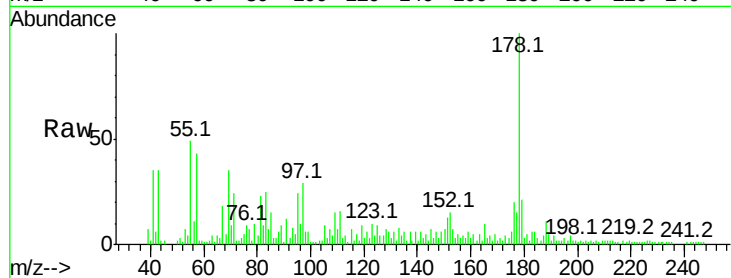
Tot Ion:178 Resp: 44655

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

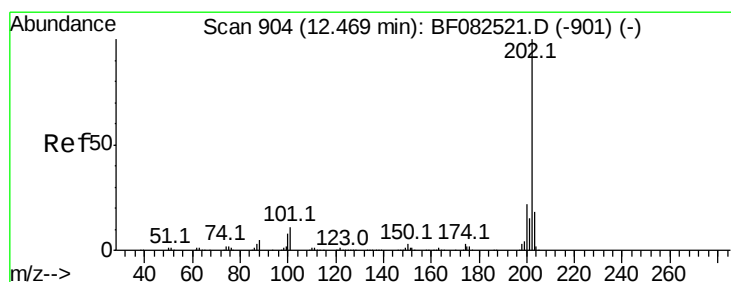
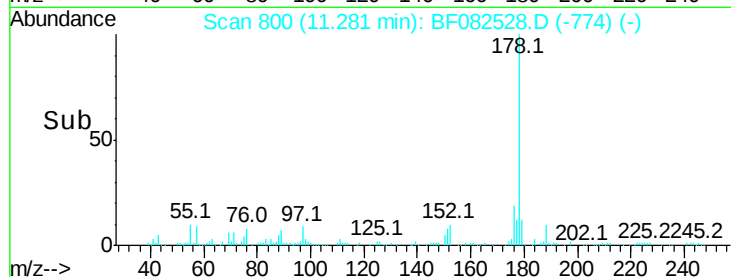
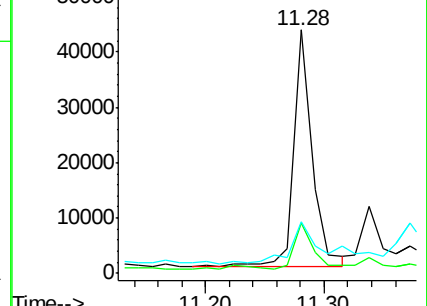
179 21.0 12.8 19.2#



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: 2.08 ng

RT: 12.47 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

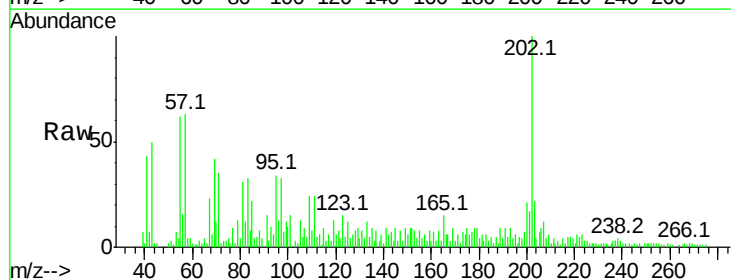
Tgt Ion:202 Resp: 37953

Ion Ratio Lower Upper

202 100

101 14.7 0.0 31.2

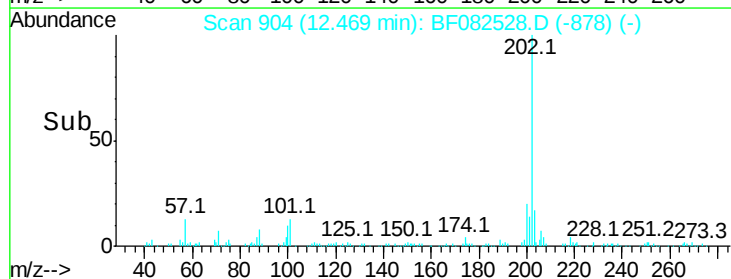
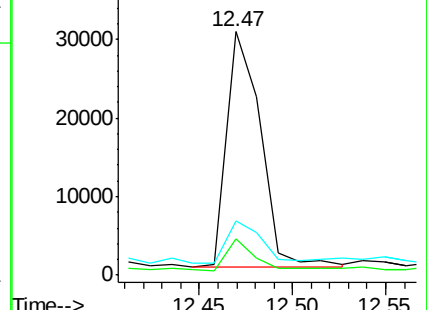
203 22.2 0.0 38.1

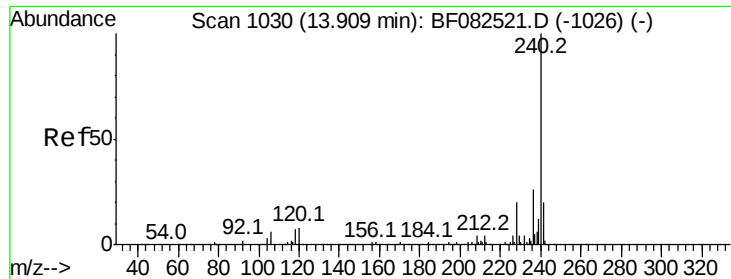


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

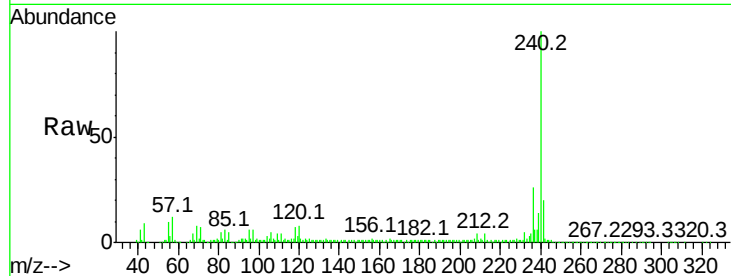
Tot Ion:240 Resp: 266838

Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

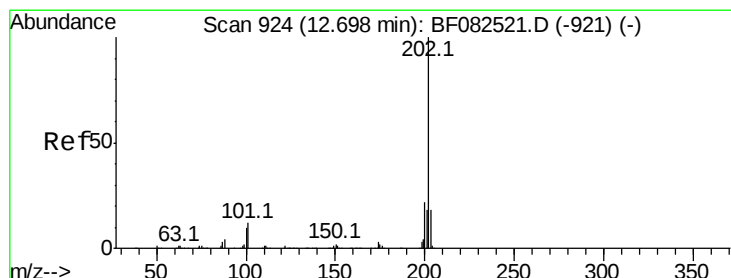
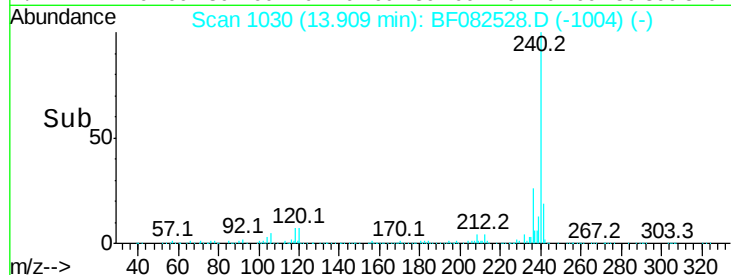
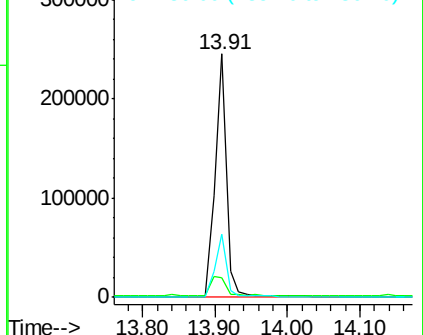
236 25.8 20.5 30.7



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: 2.43 ng

RT: 12.70 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

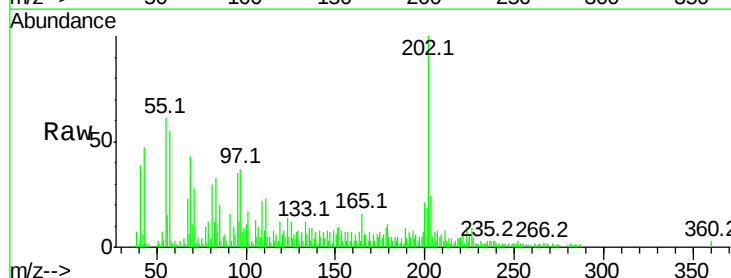
Tgt Ion:202 Resp: 39912

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

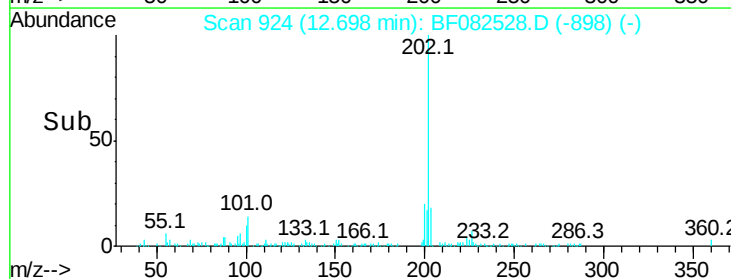
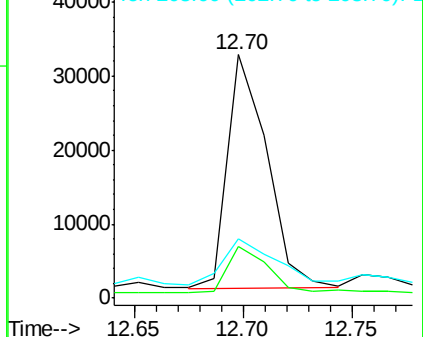
203 24.4 14.6 22.0#

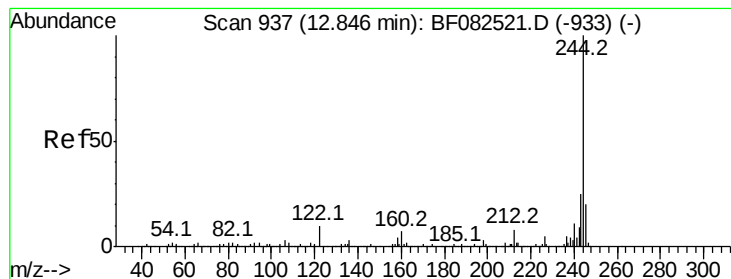


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.31 ng

RT: 12.85 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

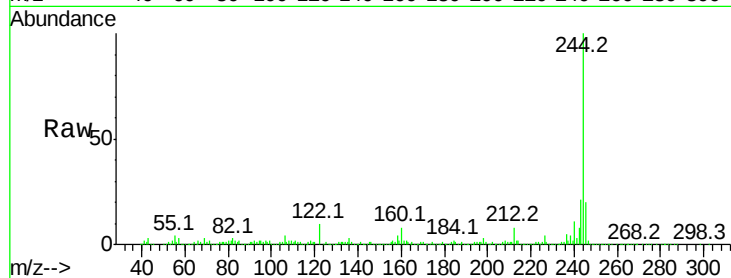
Tot Ion:244 Resp: 521539

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

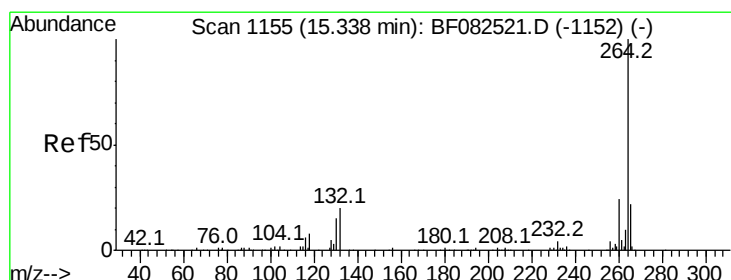
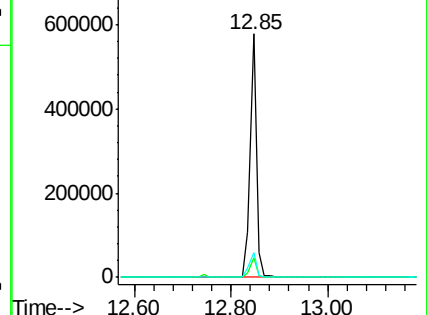
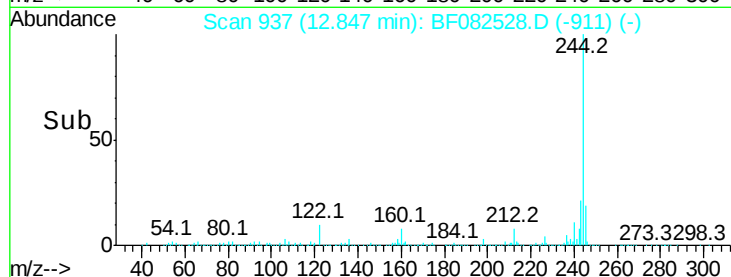
122 10.4 8.1 12.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

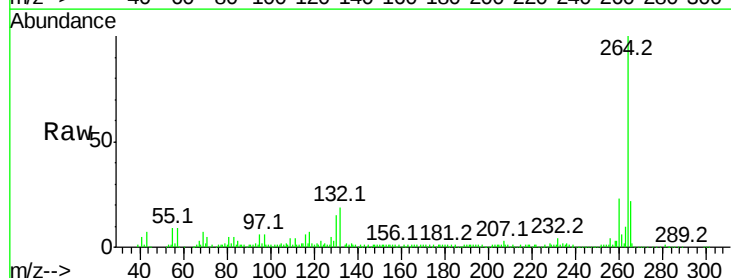
Tgt Ion:264 Resp: 212736

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.5 17.8 26.6



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

