

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 06:23:24 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

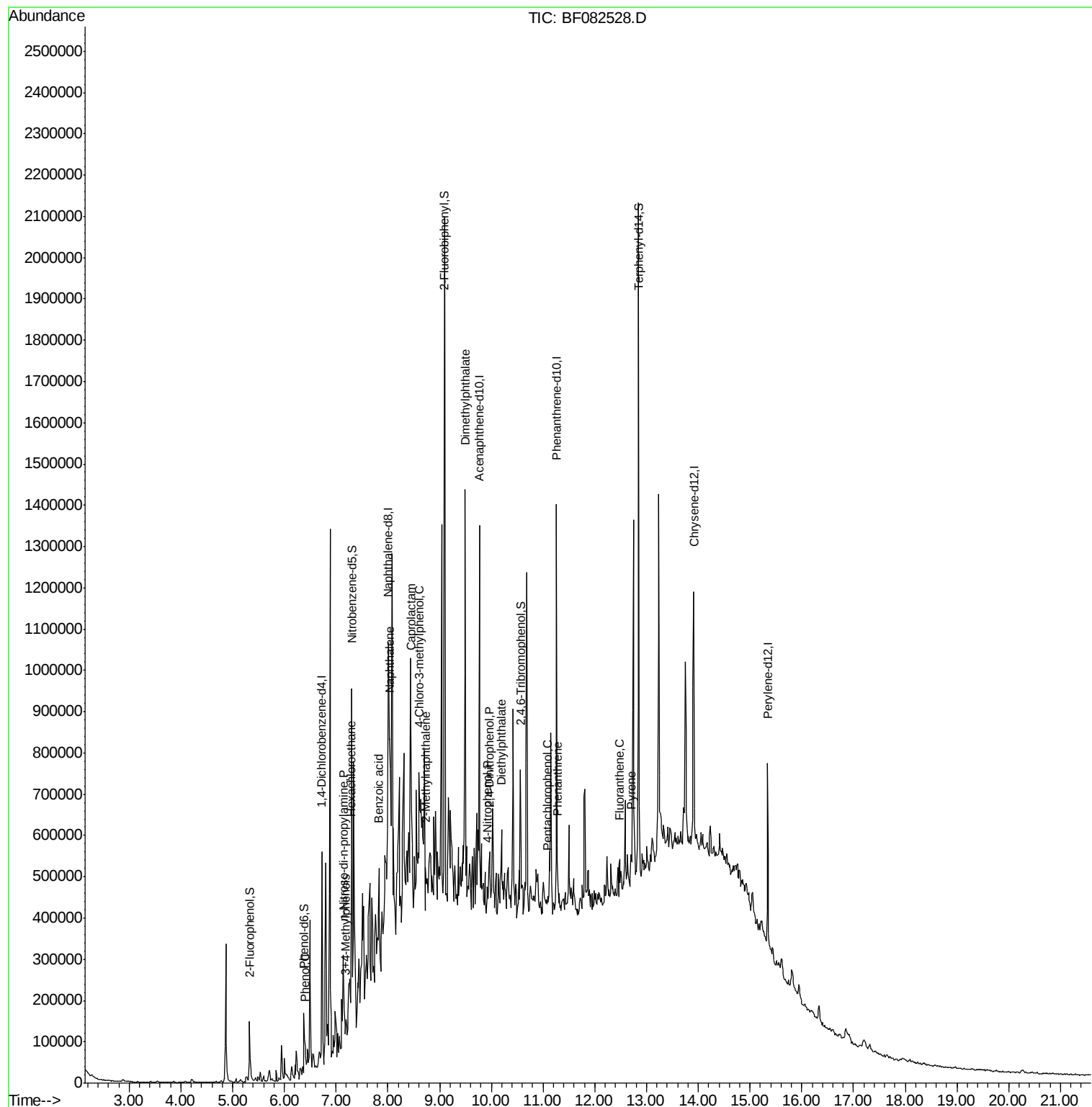
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	525	Below Cal	#	3
10) Phenol	6.40	94	17435	2.30	ng	82
18) Hexachloroethane	7.29	117	12846	5.12	ng	6
19) n-Nitroso-di-n-propylamine	7.14	70	11452	2.63	ng	79
20) 3+4-Methylphenols	7.19	107	20737	3.37	ng	58
31) Naphthalene	8.03	128	147987	8.90	ng	96
32) Benzoic acid	7.83	122	25462	9.19	ng	83
35) Caprolactam	8.45	113	24037	17.53	ng	12
36) 4-Chloro-3-methylphenol	8.61	107	21404	4.46	ng	23
37) 2-Methylnaphthalene	8.73	142	29439	2.62	ng	95
49) Dimethylphthalate	9.50	163	176338	13.46	ng	100
53) 2,4-Dinitrophenol	9.97	184	264	4.87	ng	1
55) 4-Nitrophenol	9.92	139	1134	7.26	ng	1
59) Diethylphthalate	10.19	149	32163	2.52	ng	98
69) Pentachlorophenol	11.09	266	533	7.67	ng	43
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

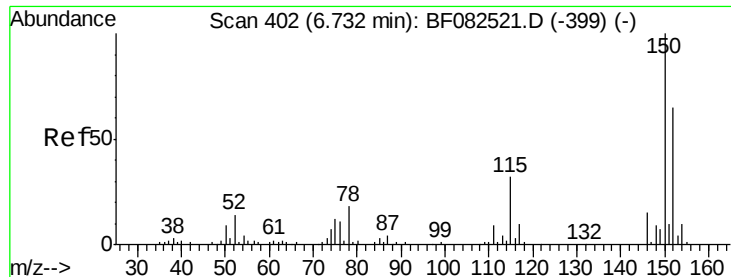
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

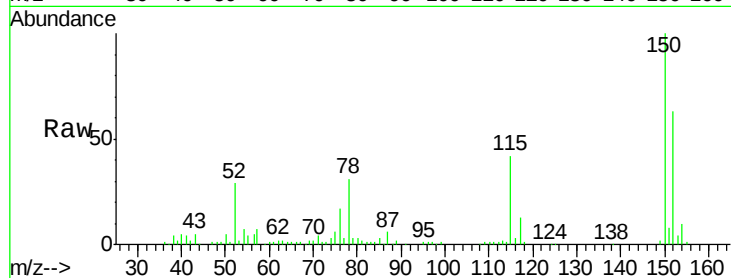
Tgt Ion:152 Resp: 101155

Ion Ratio Lower Upper

152 100

150 159.3 123.4 185.0

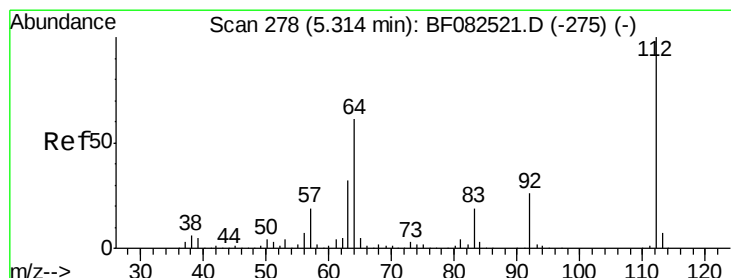
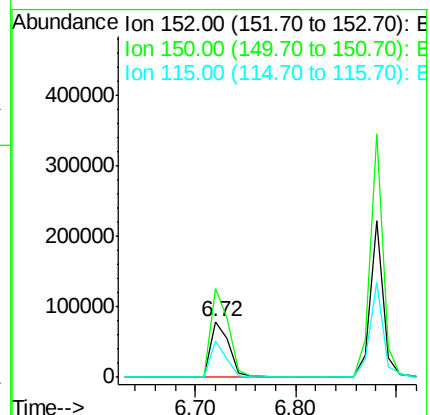
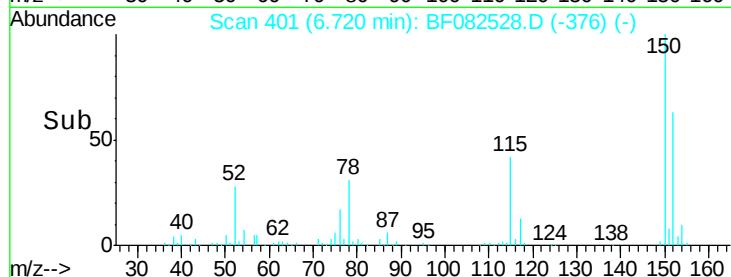
115 66.2 39.0 58.4#



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

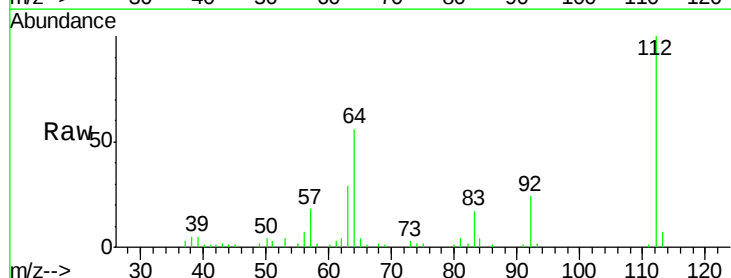
Tgt Ion:112 Resp: 67445

Ion Ratio Lower Upper

112 100

64 55.9 49.0 73.4

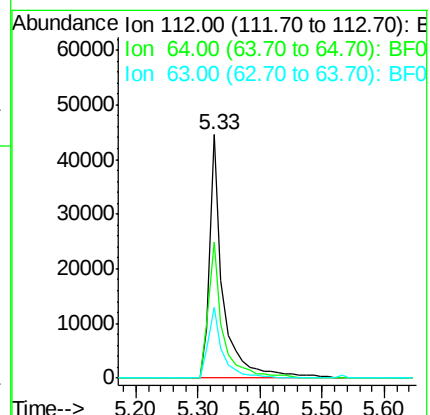
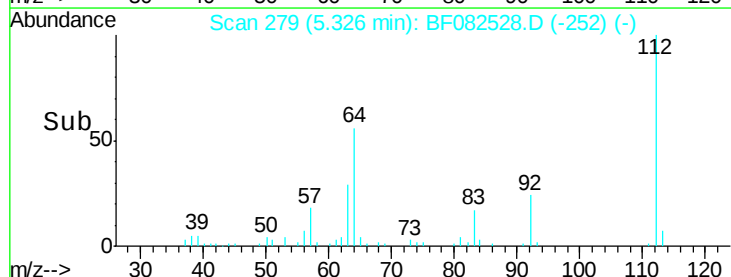
63 29.3 25.8 38.6

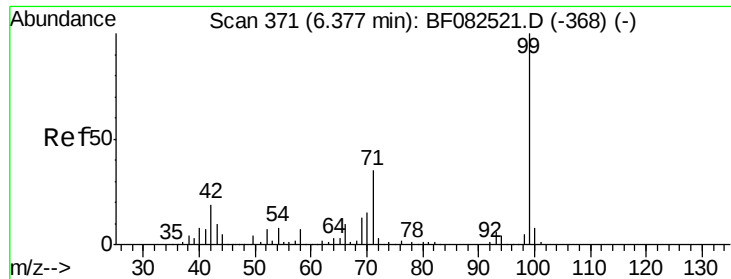


Abundance Ion 112.00 (111.70 to 112.70): E

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

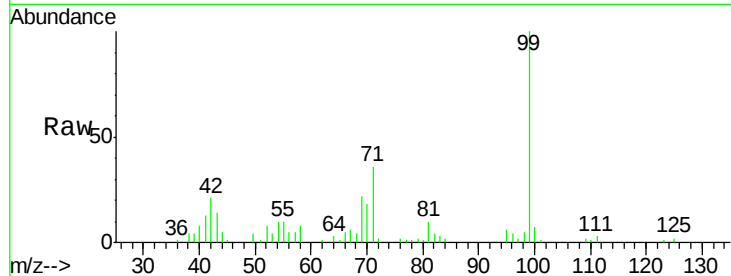
Tgt Ion: 99 Resp: 70953

Ion Ratio Lower Upper

99 100

42 21.2 15.1 22.7

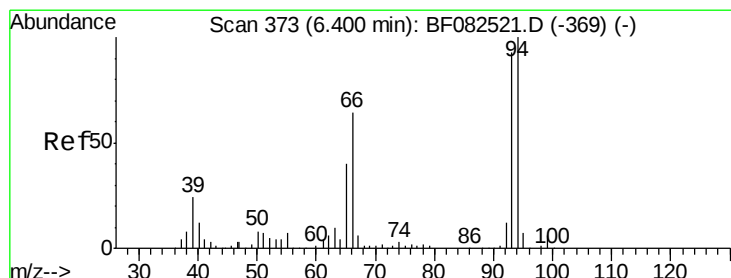
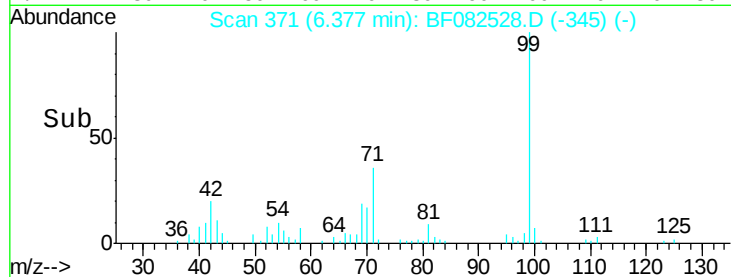
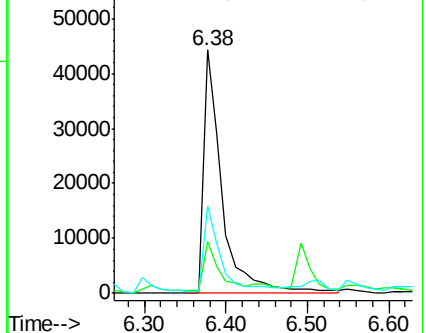
71 35.8 28.2 42.2



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

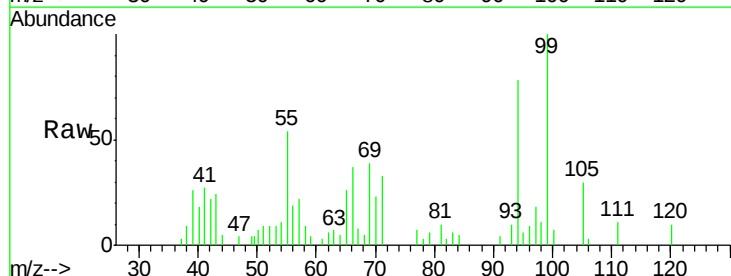
Tgt Ion: 94 Resp: 17435

Ion Ratio Lower Upper

94 100

65 33.0 19.9 59.9

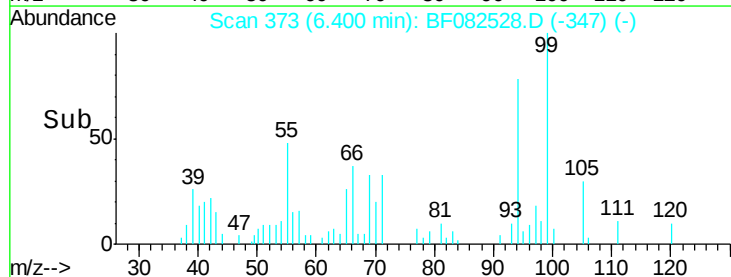
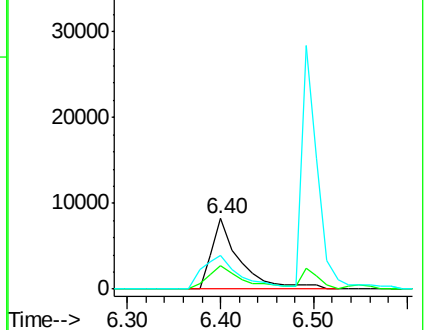
66 47.1 44.1 84.1

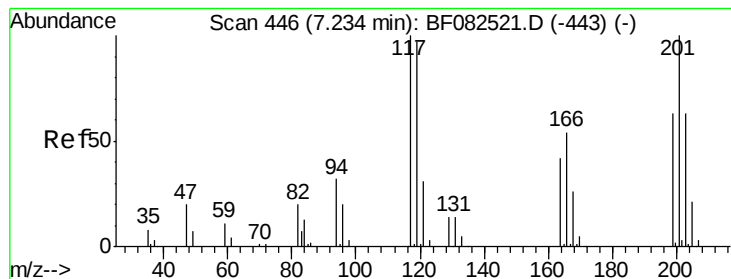


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#18

Hexachloroethane

Concen: 5.12 ng

RT: 7.29 min Scan# 451

Delta R.T. 0.06 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

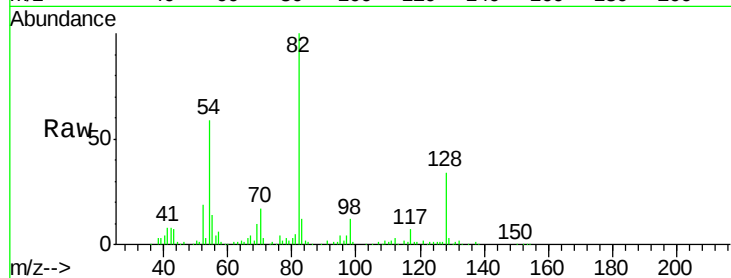
Tgt Ion: 117 Resp: 12846

Ion Ratio Lower Upper

117 100

119 10.2 77.5 116.3#

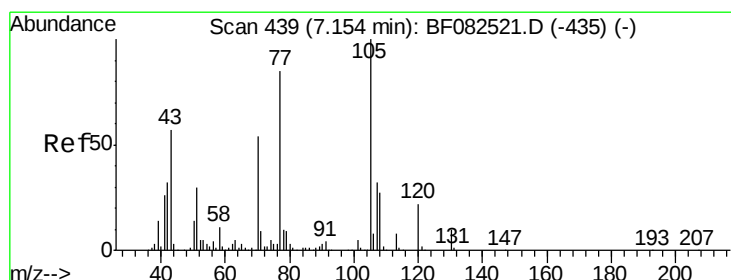
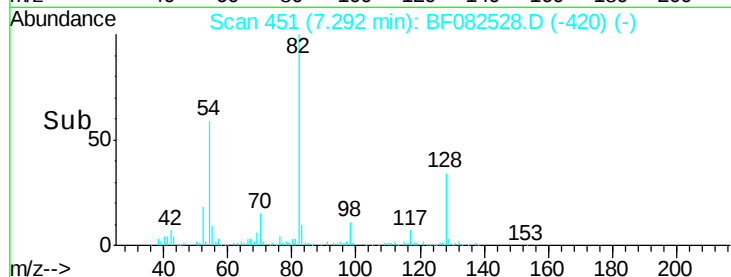
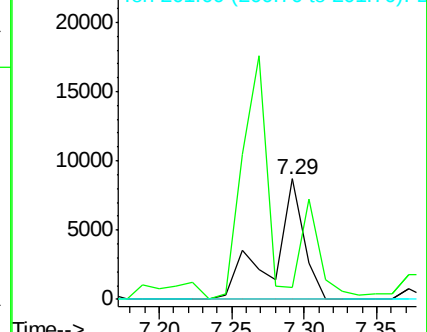
201 0.0 80.1 120.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 2.63 ng

RT: 7.14 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Tgt Ion: 70 Resp: 11452

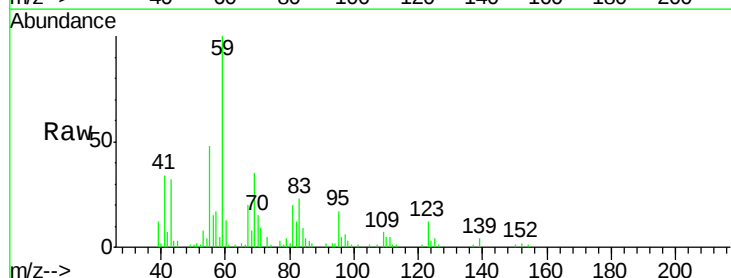
Ion Ratio Lower Upper

70 100

42 46.0 46.9 70.3#

101 5.9 7.4 11.2#

130 0.0 14.2 21.4#

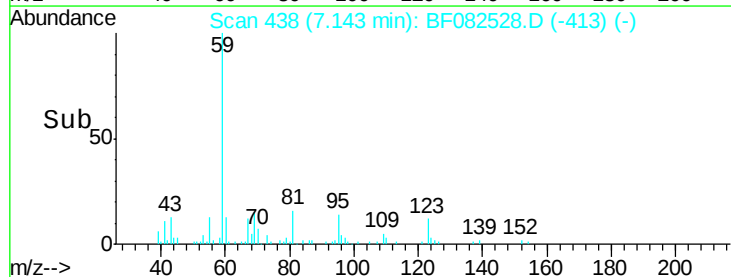
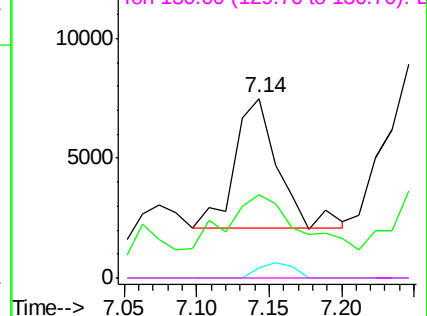


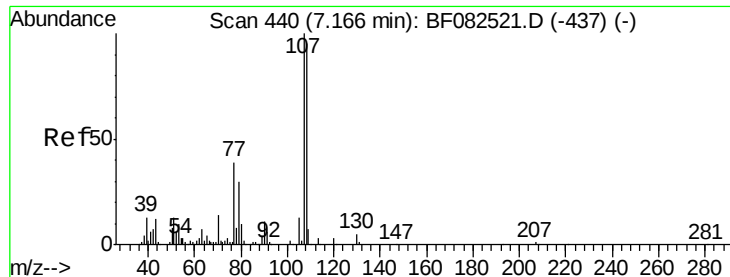
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

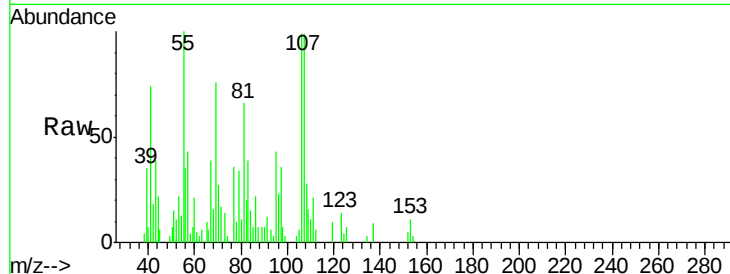




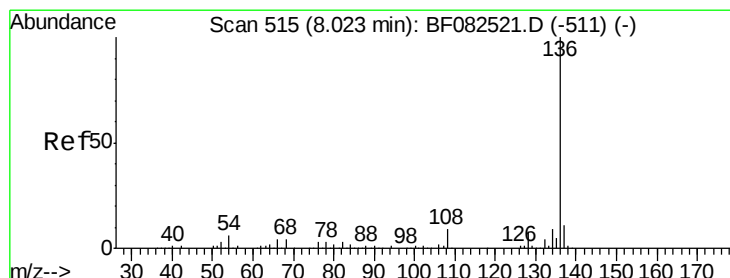
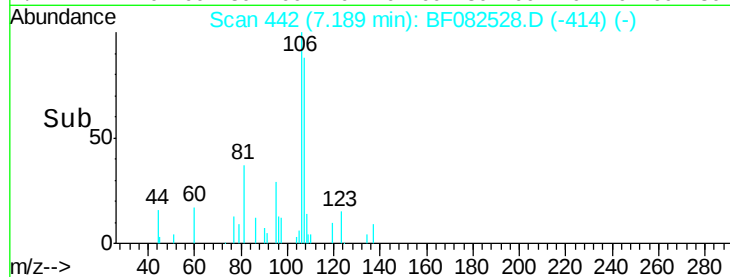
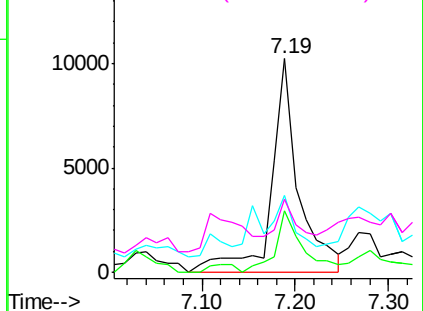
#20
3+4-Methylphenols
Concen: 3.37 ng
RT: 7.19 min Scan# 442
Delta R.T. 0.02 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

Instrument :
BNA_F
ClientSampleId :
SB15-45-GWRE

Tgt Ion:107 Resp: 20737
Ion Ratio Lower Upper
107 100
108 28.7 74.8 114.8#
77 36.1 20.3 60.3
79 34.2 10.2 50.2

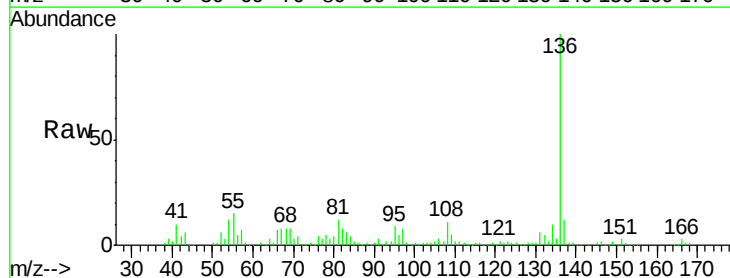


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

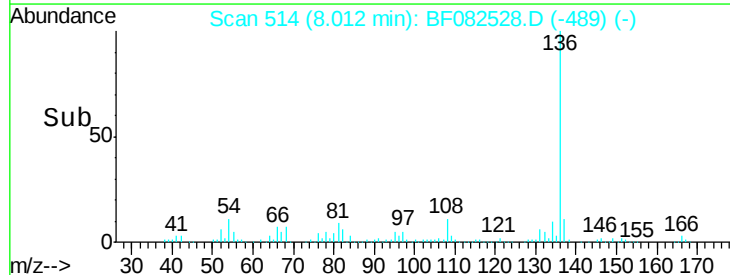
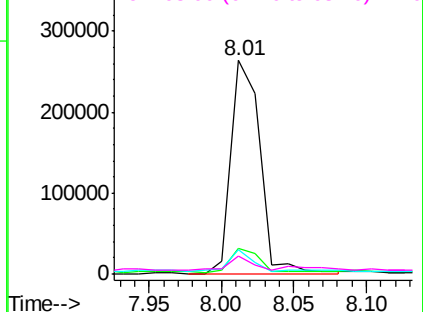


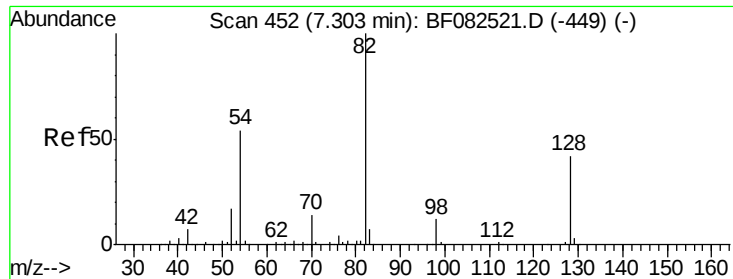
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

Tgt 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#



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): BF0
Ion 68.00 (67.70 to 68.70): BF0

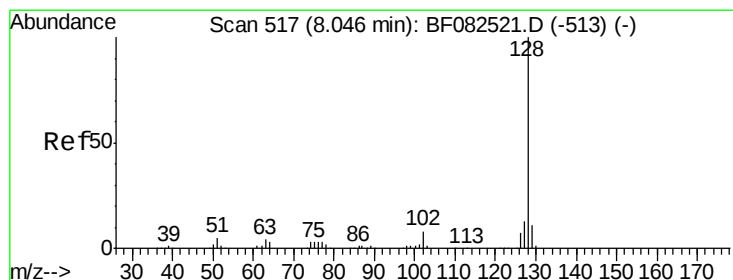
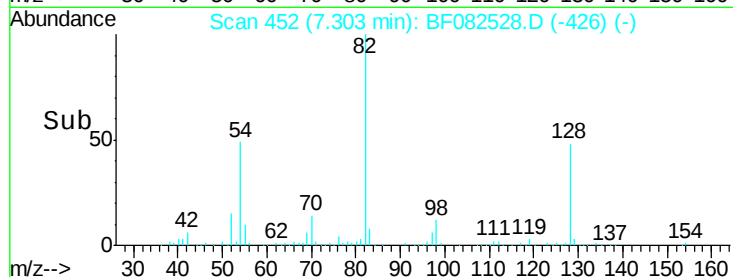
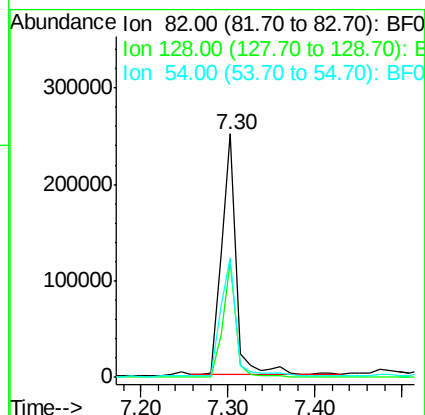
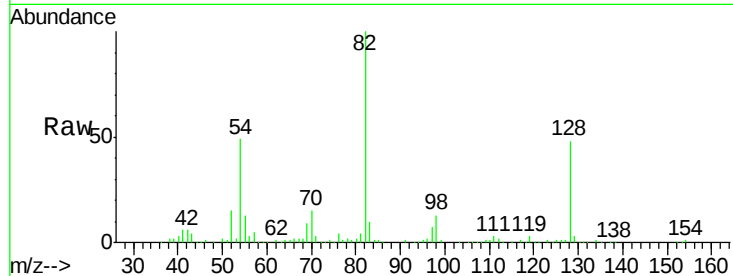




#23
 Nitrobenzene-d5
 Concen: 52.68 ng
 RT: 7.30 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: BF082528.D
 Acq: 27 Oct 2015 3:39

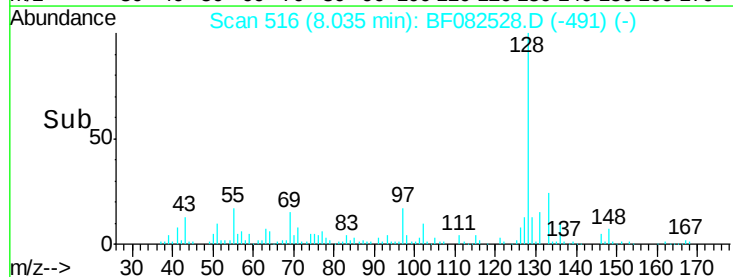
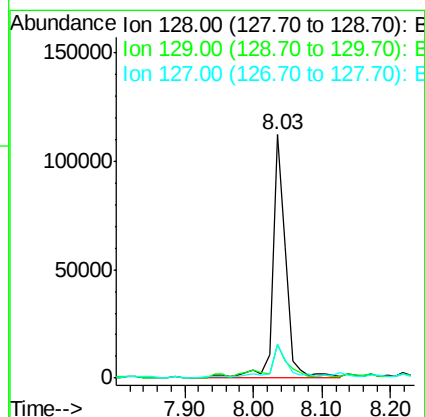
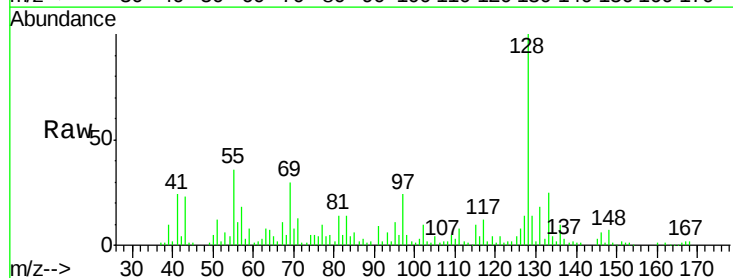
Instrument :
 BNA_F
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 SB15-45-GWRE

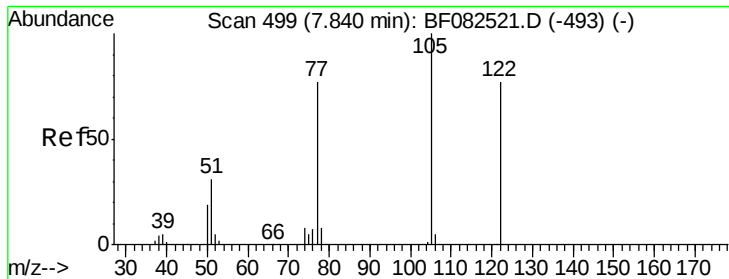
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	33.4	50.0
54	49.0	43.5	65.3



#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

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.0	8.6	12.8#
127	13.8	10.7	16.1





#32

Benzoic acid

Concen: 9.19 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

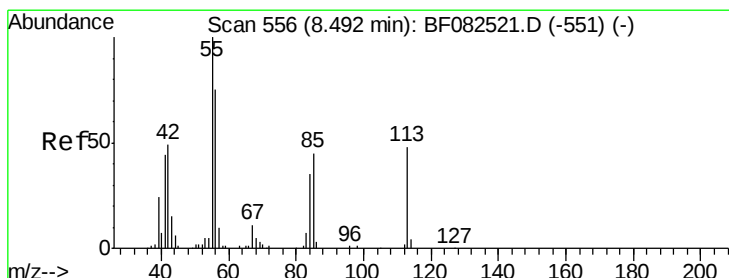
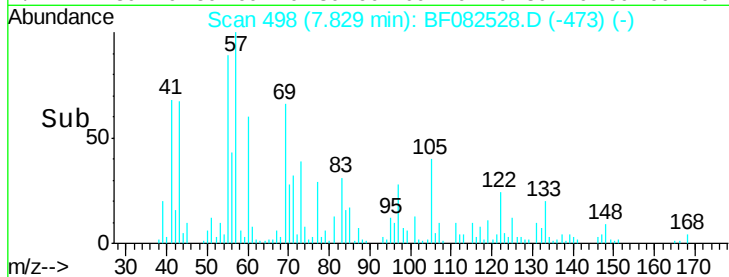
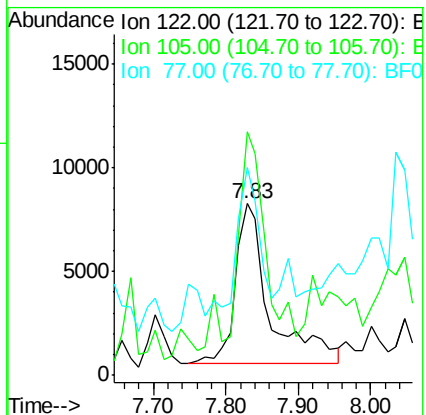
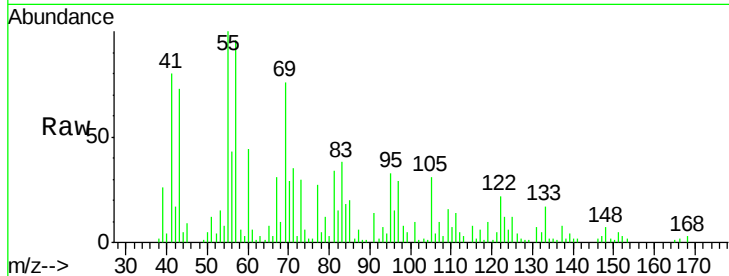
Tgt Ion:122 Resp: 25462

Ion Ratio Lower Upper

122 100

105 141.7 106.4 146.4

77 120.6 79.1 119.1#



#35

Caprolactam

Concen: 17.53 ng

RT: 8.45 min Scan# 552

Delta R.T. -0.05 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

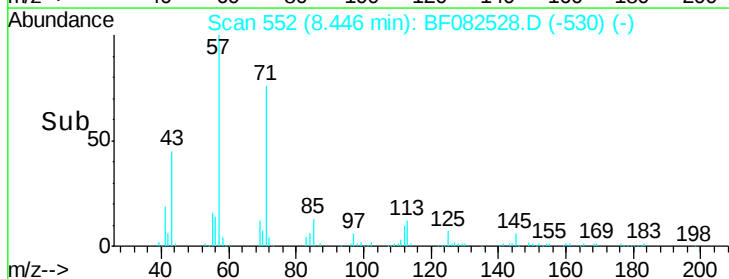
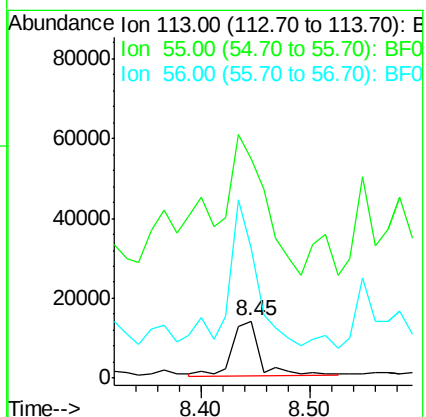
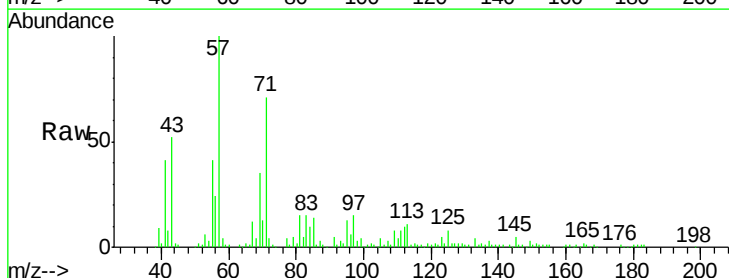
Tgt Ion:113 Resp: 24037

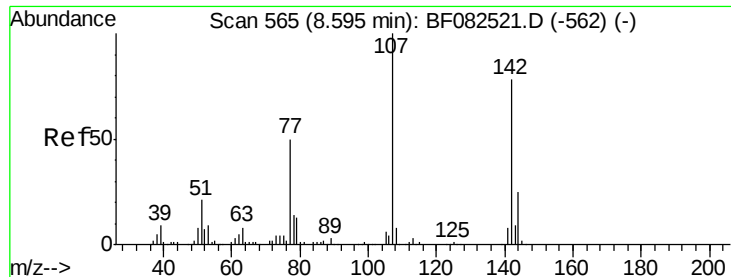
Ion Ratio Lower Upper

113 100

55 384.2 188.9 228.9#

56 227.7 135.8 175.8#





#36

4-Chloro-3-methylphenol

Concen: 4.46 ng

RT: 8.61 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

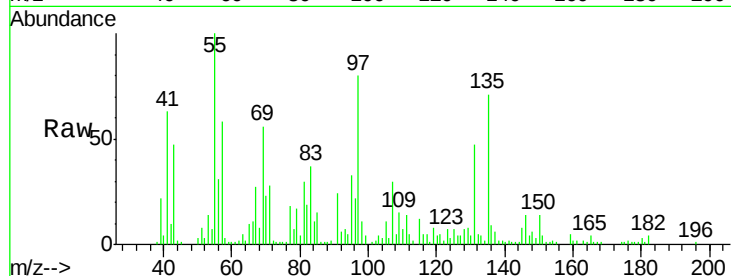
Tgt Ion:107 Resp: 21404

Ion Ratio Lower Upper

107 100

144 2.3 20.2 30.2#

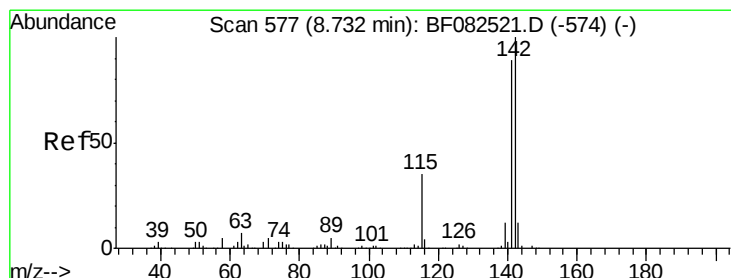
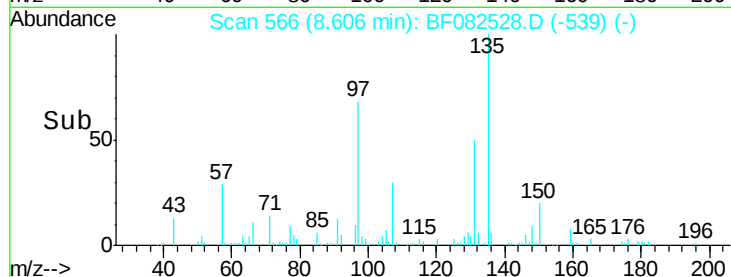
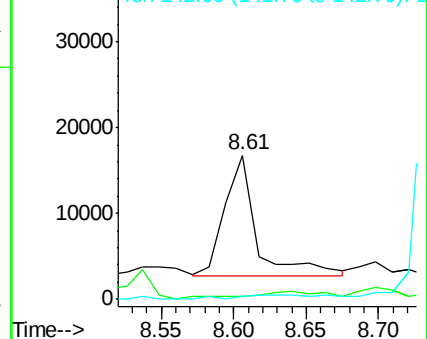
142 2.3 62.6 93.8#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): 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

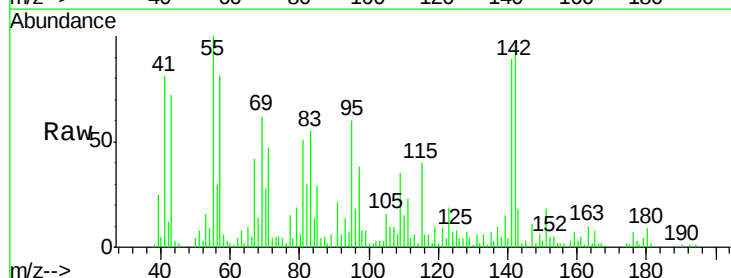
Tgt Ion:142 Resp: 29439

Ion Ratio Lower Upper

142 100

141 91.6 71.0 106.6

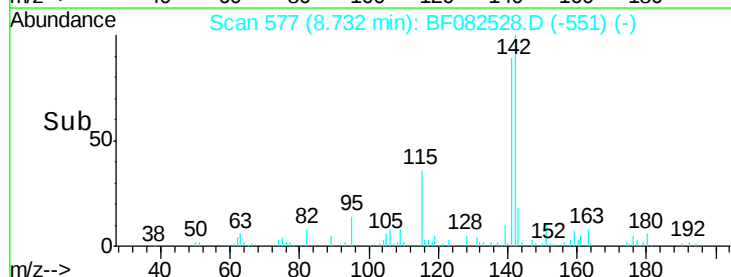
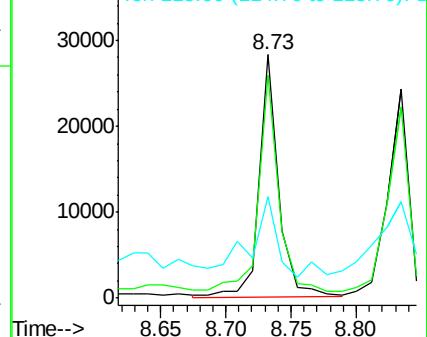
115 41.5 28.0 42.0

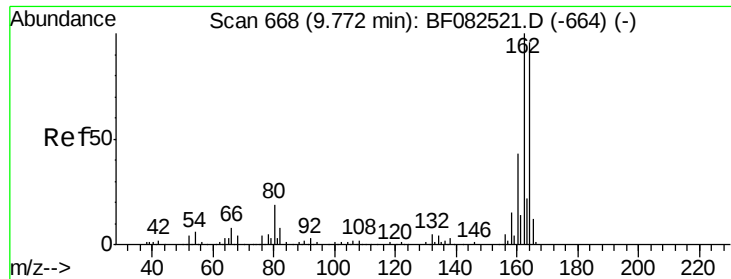


Abundance Ion 142.00 (141.70 to 142.70): E

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

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

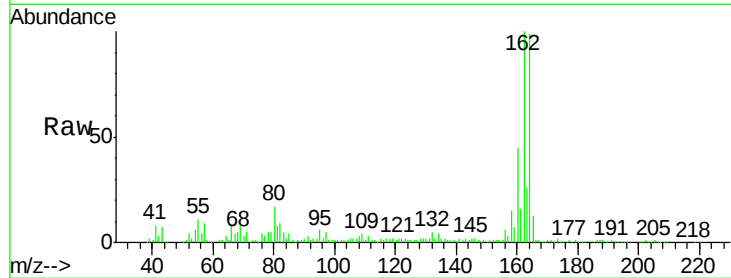
Tgt Ion:164 Resp: 188272

Ion Ratio Lower Upper

164 100

162 101.2 83.6 125.4

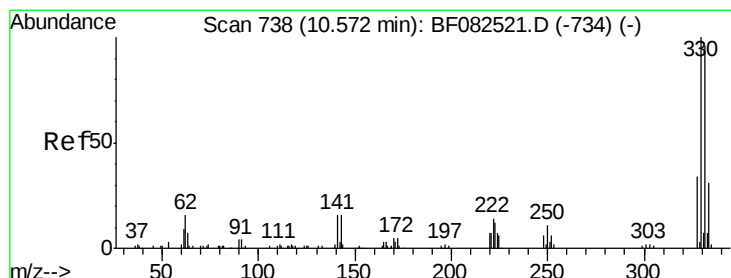
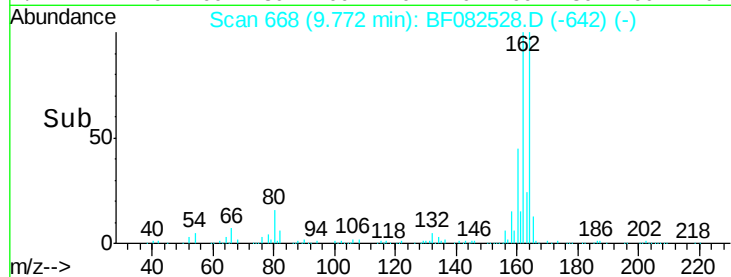
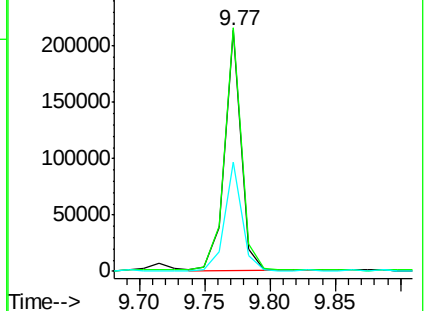
160 45.2 36.0 54.0



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

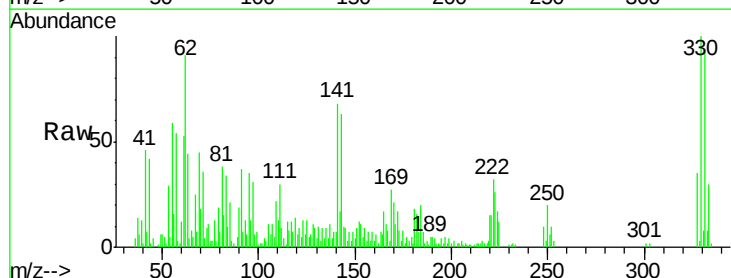
Tgt Ion:330 Resp: 36840

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

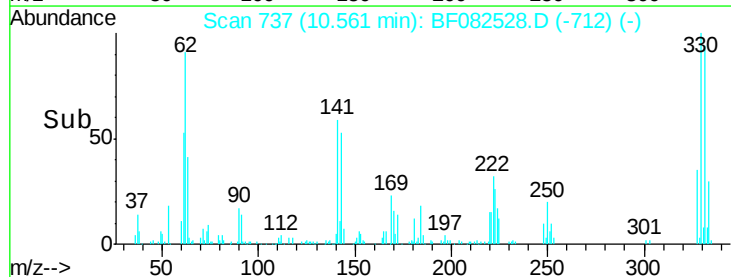
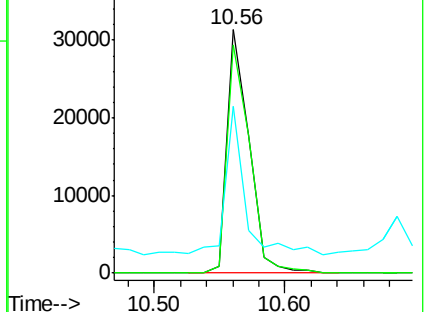
141 54.8 32.5 48.7#

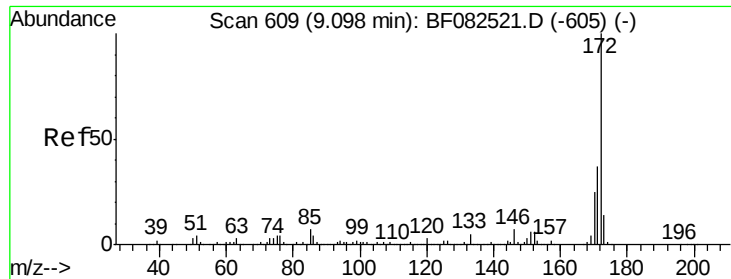


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

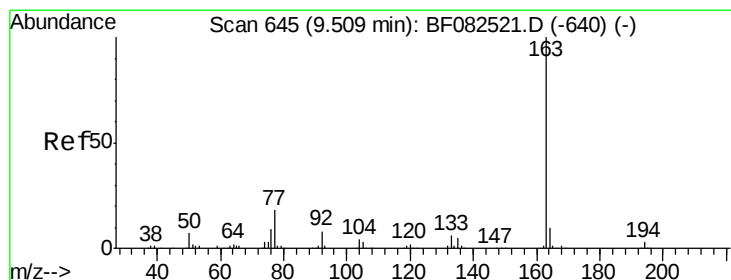
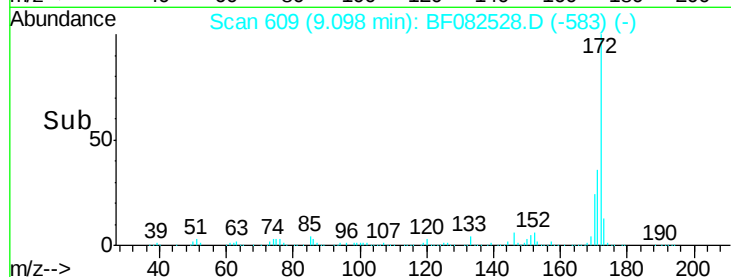
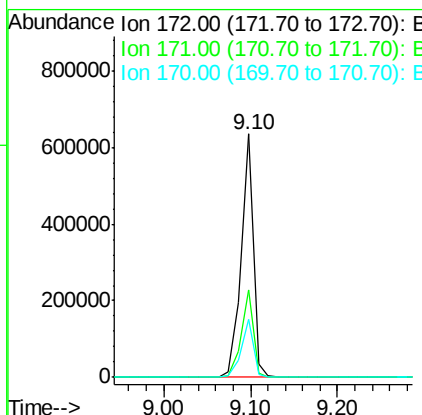
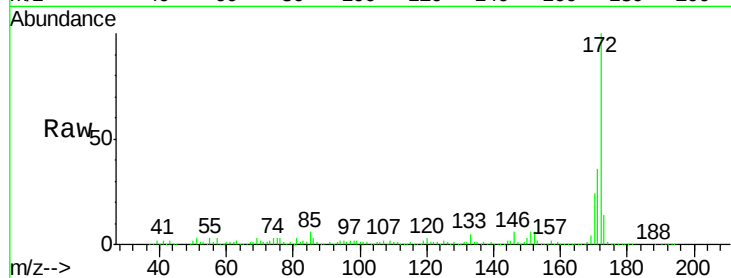




#44
2-Fluorobiphenyl
Concen: 51.72 ng
RT: 9.10 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF082528.D
Acq: 27 Oct 2015 3:39

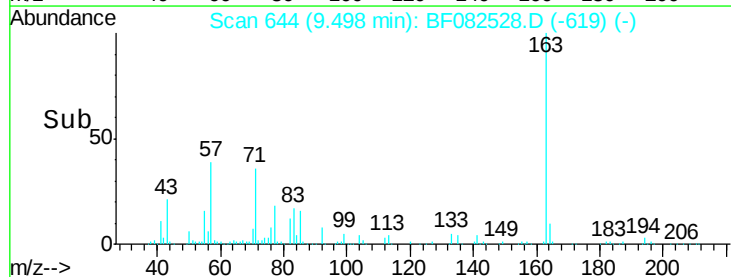
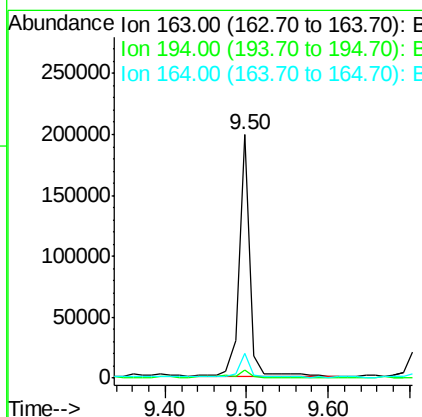
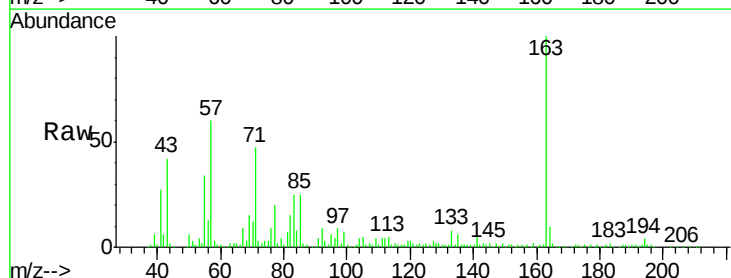
Instrument :
BNA_F
ClientSampleId :
SB15-45-GWRE

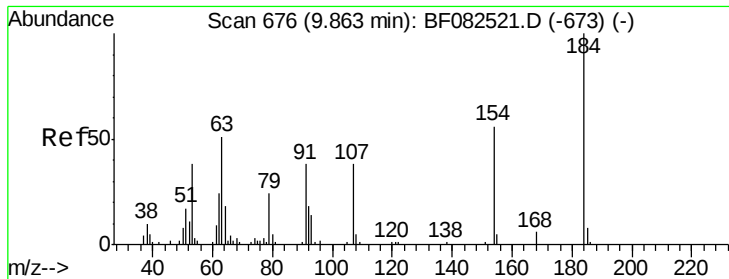
Tgt Ion:172 Resp: 612332
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.8 19.8 29.6



#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

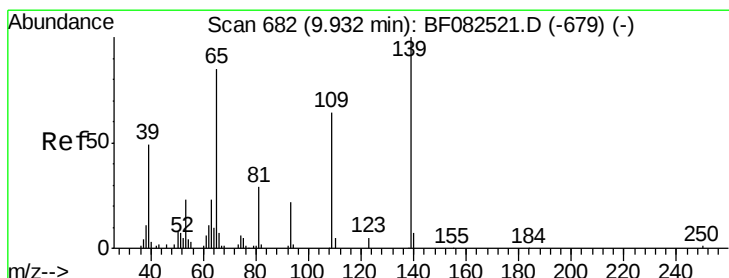
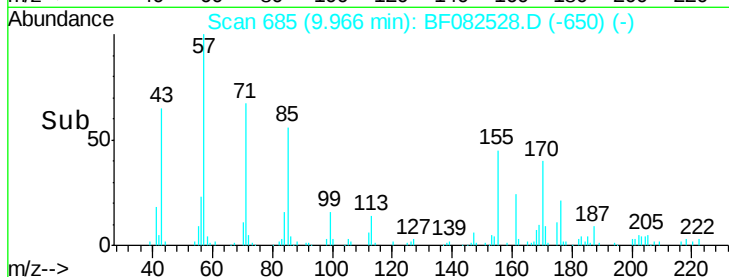
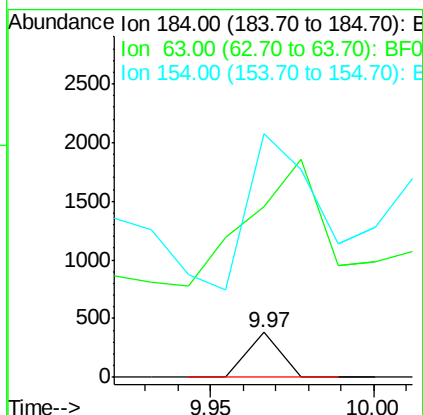
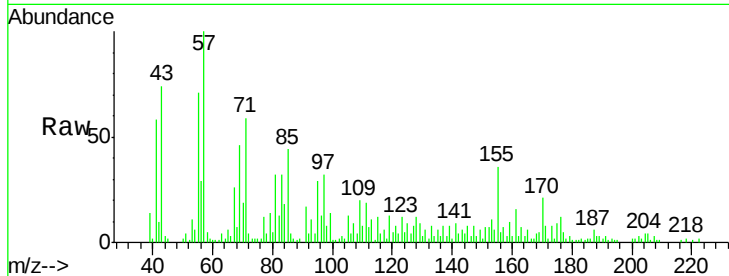




#53
 2,4-Dinitrophenol
 Concen: 4.87 ng
 RT: 9.97 min Scan# 685
 Delta R.T. 0.10 min
 Lab File: BF082528.D
 Acq: 27 Oct 2015 3:39

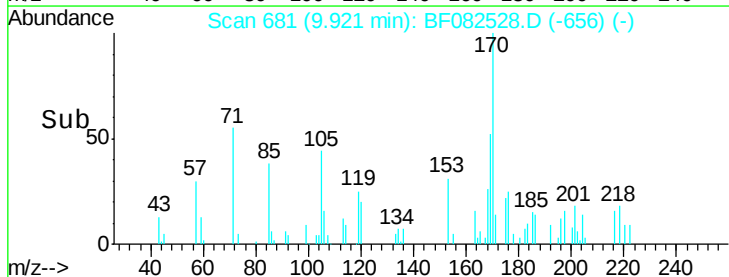
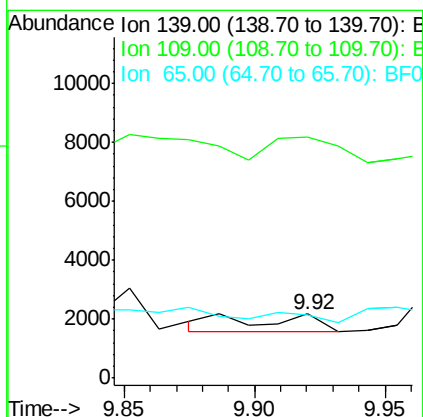
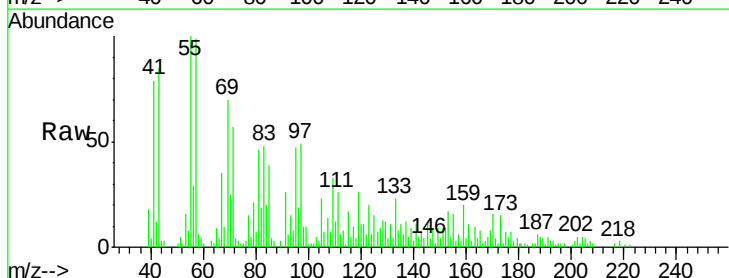
Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-GWRE

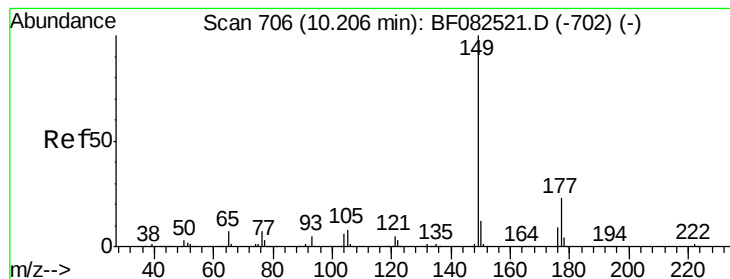
Tgt Ion:184 Resp: 264
 Ion Ratio Lower Upper
 184 100
 63 377.7 41.4 62.0#
 154 538.7 48.2 72.2#



#55
 4-Nitrophenol
 Concen: 7.26 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF082528.D
 Acq: 27 Oct 2015 3:39

Tgt Ion:139 Resp: 1134
 Ion Ratio Lower Upper
 139 100
 109 376.5 44.2 84.2#
 65 99.4 68.1 108.1





#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

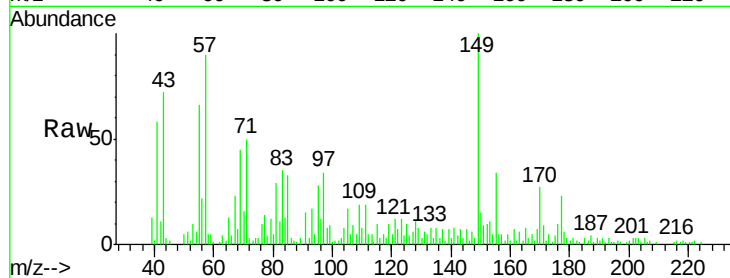
Tgt Ion:149 Resp: 32163

Ion Ratio Lower Upper

149 100

177 23.5 18.6 28.0

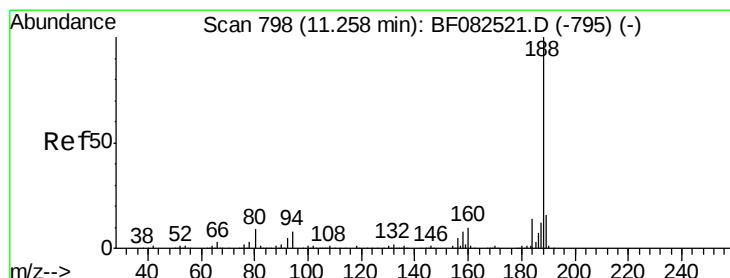
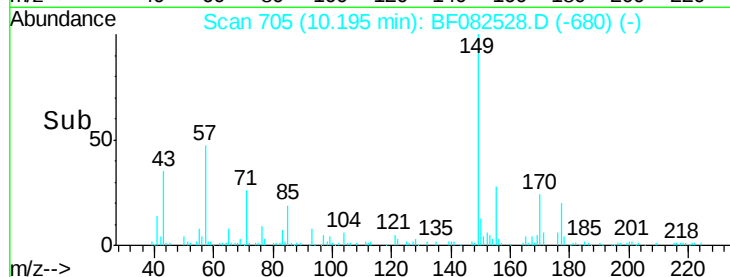
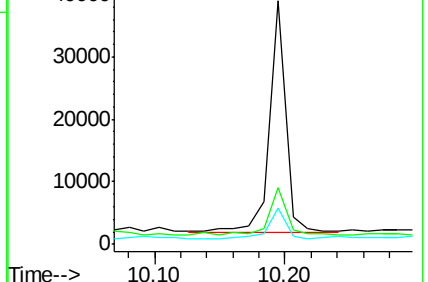
150 14.7 9.9 14.9



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

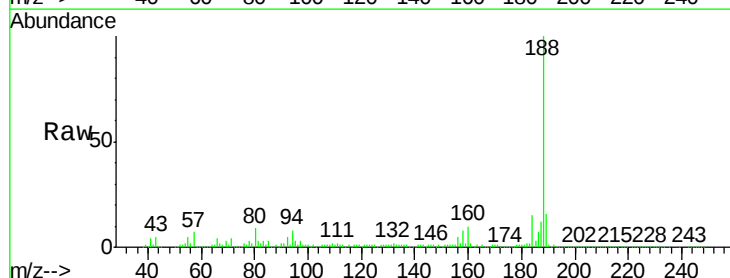
Tgt Ion:188 Resp: 345299

Ion Ratio Lower Upper

188 100

94 8.5 6.4 9.6

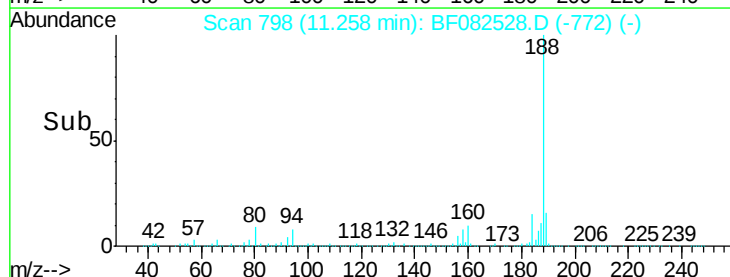
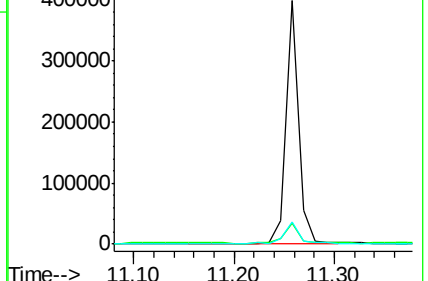
80 9.0 7.0 10.6

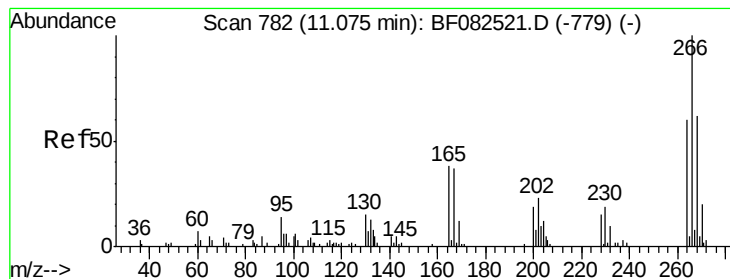


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#69

Pentachlorophenol

Concen: 7.67 ng

RT: 11.09 min Scan# 783

Delta R.T. 0.01 min

Lab File: BF082528.D

Acq: 27 Oct 2015 3:39

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

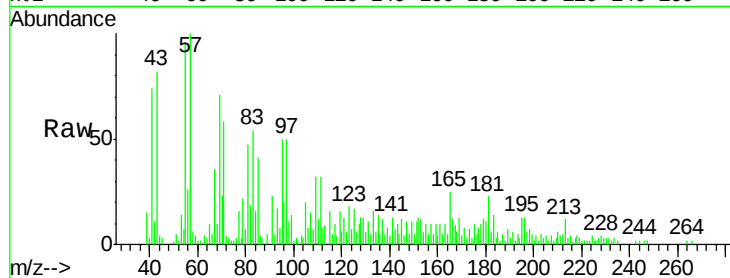
Tgt Ion:266 Resp: 533

Ion Ratio Lower Upper

266 100

268 0.0 49.5 74.3#

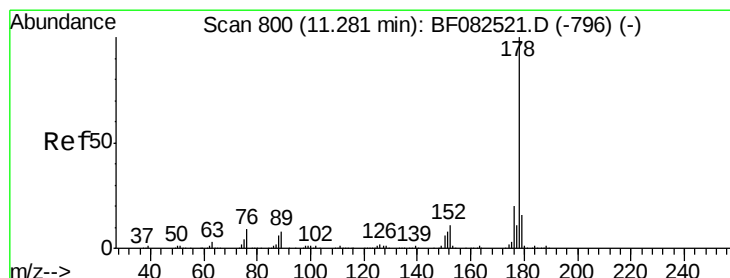
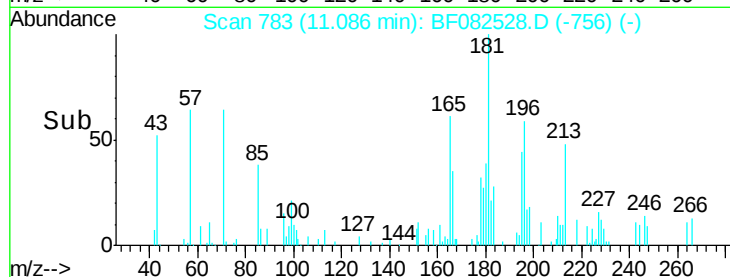
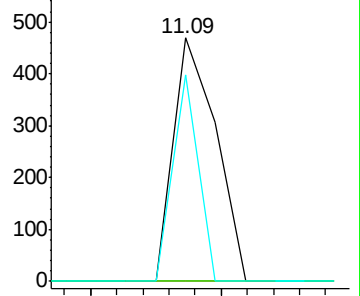
264 85.1 48.0 72.0#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#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

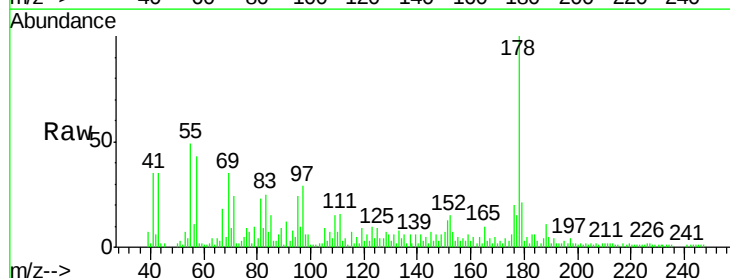
Tgt Ion:178 Resp: 44655

Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

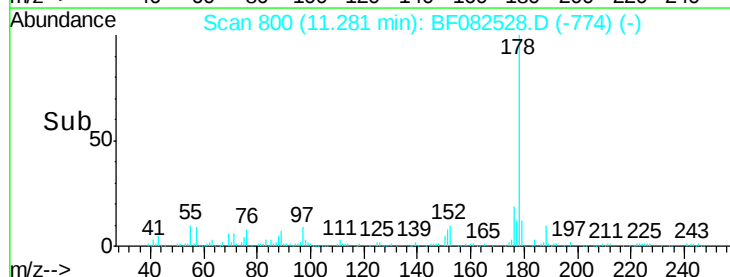
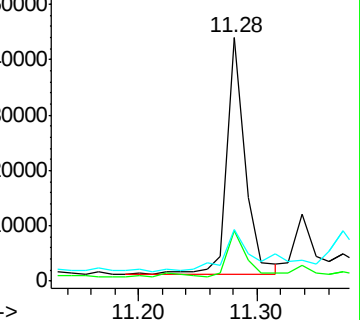
179 21.0 12.8 19.2#

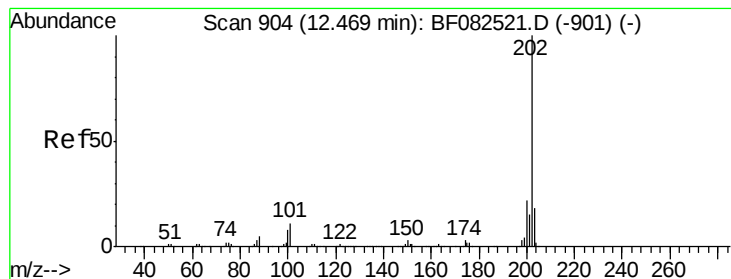


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

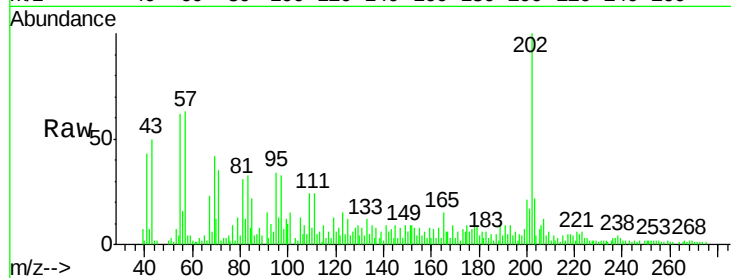
Tgt Ion:202 Resp: 37953

Ion Ratio Lower Upper

202 100

101 14.7 0.0 31.2

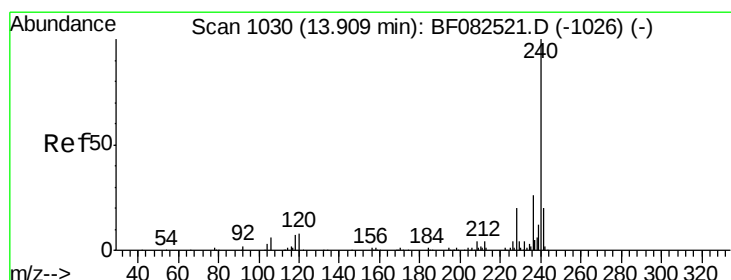
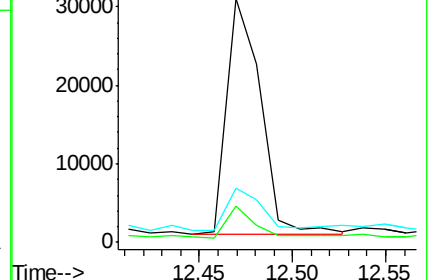
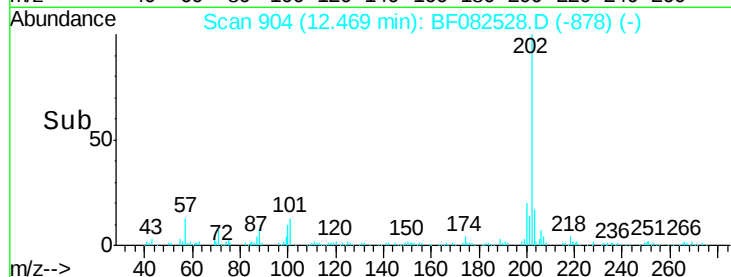
203 22.2 0.0 38.1



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

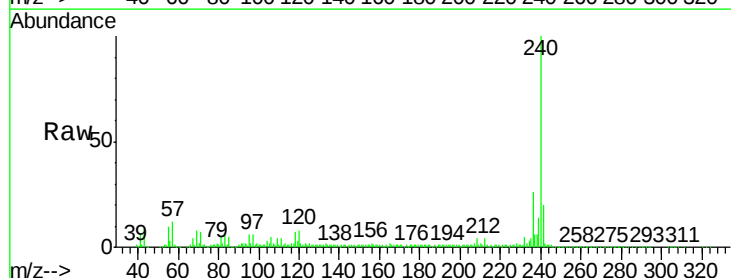
Tgt Ion:240 Resp: 266838

Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

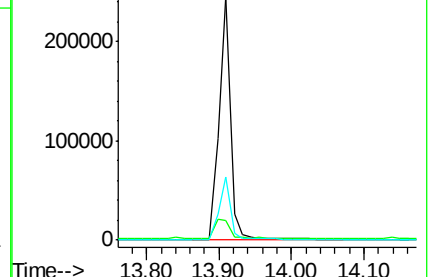
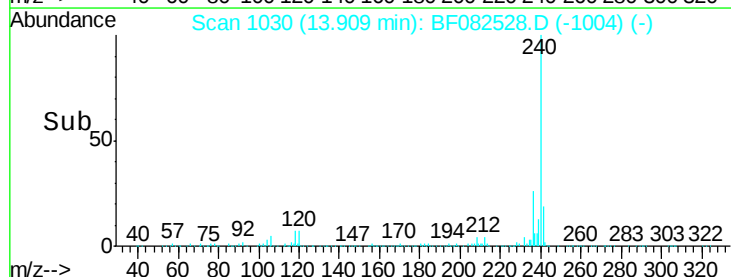
236 25.8 20.5 30.7

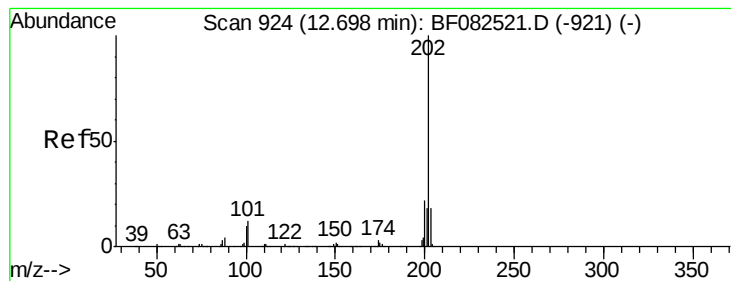


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

SB15-45-GWRE

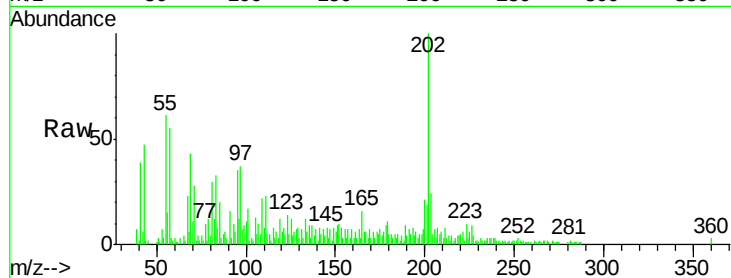
Tgt Ion:202 Resp: 39912

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

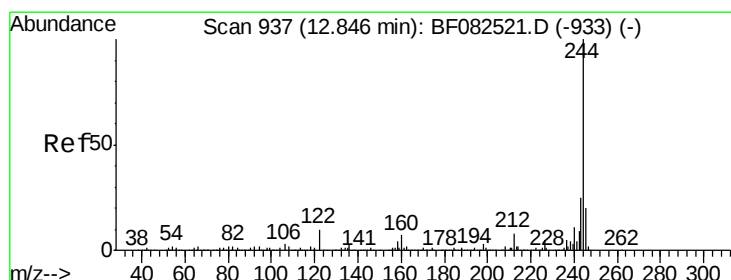
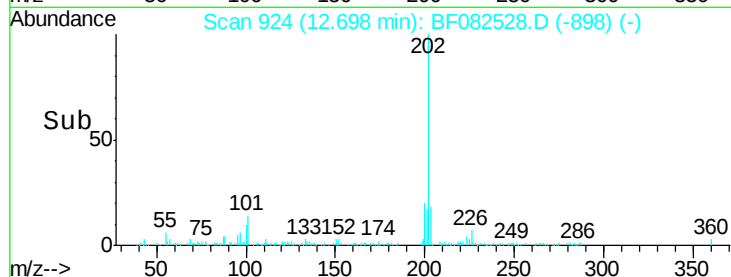
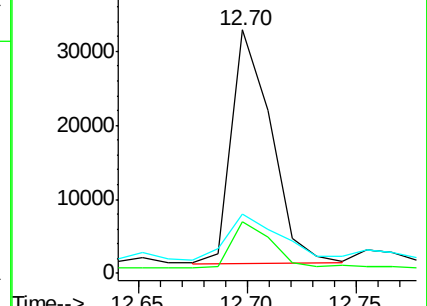
203 24.4 14.6 22.0#



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

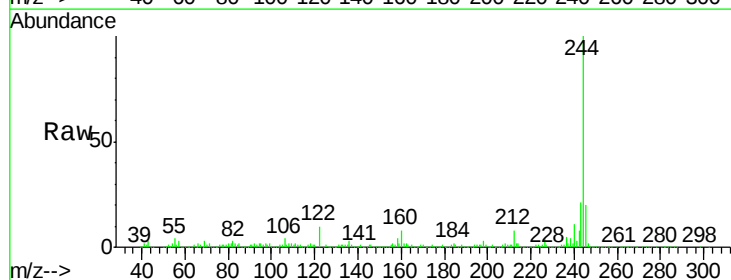
Tgt Ion:244 Resp: 521539

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

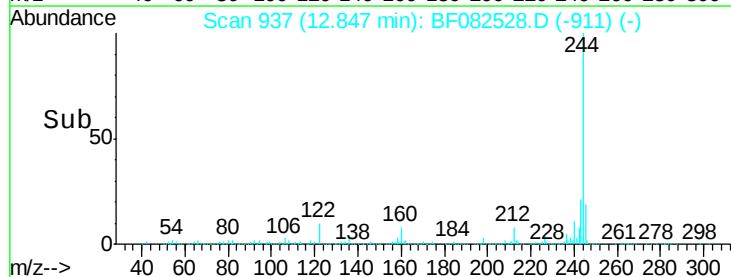
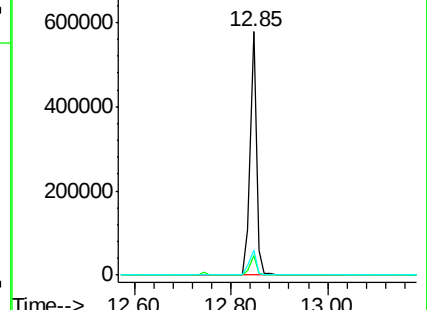
122 10.4 8.1 12.1

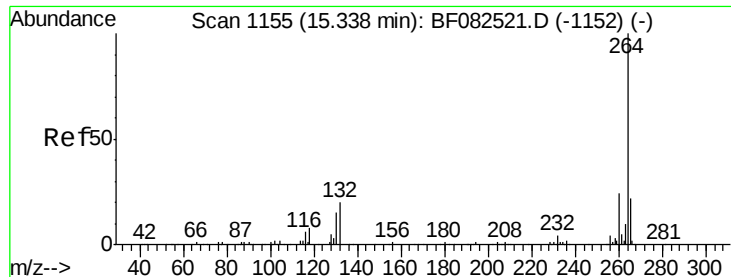


Abundance Ion 244.00 (243.70 to 244.70): E

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

Instrument :
BNA_F
ClientSampleId :
SB15-45-GWRE

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

