

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075578.D
 Acq On : 16 Nov 2014 12:11
 Operator : TP / JJ
 Sample : F4743-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-037-111214

Quant Time: Nov 17 05:00:21 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 04:16:34 2014
 Response via : Initial Calibration

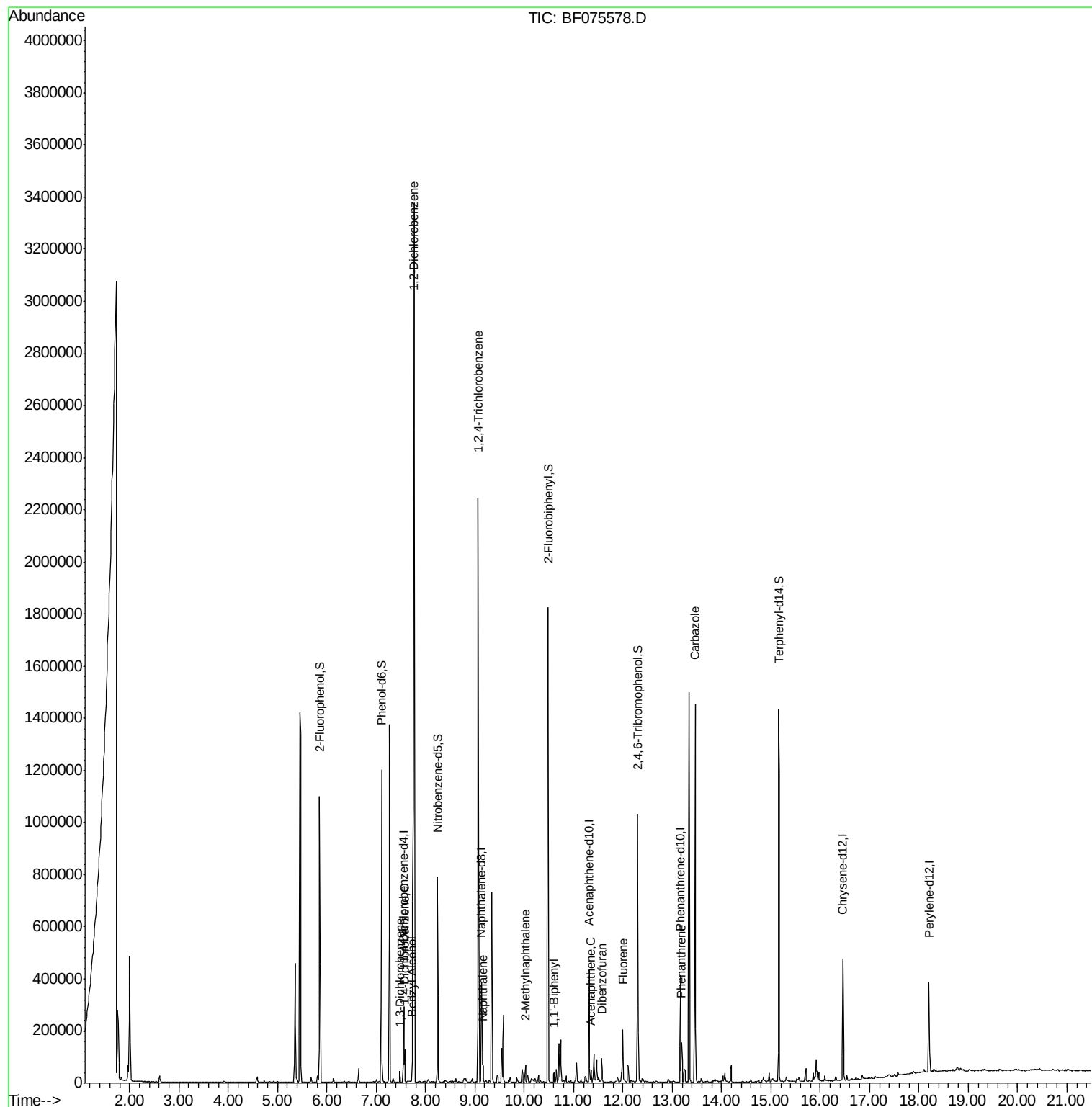
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	44069	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	180367	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	98567	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	162320	20.00	ng	0.00
75) Chrysene-d12	16.46	240	176642	20.00	ng	-0.02
86) Perylene-d12	18.21	264	174863	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	344048	137.92	ng	0.00
7) Phenol-d6	7.11	99	392714	130.91	ng	0.00
23) Nitrobenzene-d5	8.24	82	268332	109.07	ng	-0.01
41) 2,4,6-Tribromophenol	12.30	330	129091	156.37	ng	-0.01
44) 2-Fluorobiphenyl	10.48	172	589546	108.08	ng	0.00
78) Terphenyl-d14	15.16	244	656608	100.07	ng	-0.01
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	7.48	146	9914	3.15	ng	96
13) 1,4-Dichlorobenzene	7.58	146	31395	9.81	ng	96
14) 1,2-Dichlorobenzene	7.76	146	1115262	371.60	ng	99
15) Benzyl Alcohol	7.73	79	16756	7.12	ng	88
30) 1,2,4-Trichlorobenzene	9.06	180	435209	187.90	ng	# 95
31) Naphthalene	9.17	128	36806	4.58	ng	99
37) 2-Methylnaphthalene	10.02	142	18597	3.39	ng	97
45) 1,1'-Biphenyl	10.61	154	18054	2.72	ng	90
51) Acenaphthene	11.35	154	12666	2.45	ng	96
54) Dibenzofuran	11.57	168	43090	5.83	ng	97
57) Fluorene	12.00	166	67438	11.28	ng	99
70) Phenanthrene	13.19	178	71941	8.42	ng	98
72) Carbazole	13.47	167	604152	69.93	ng	99

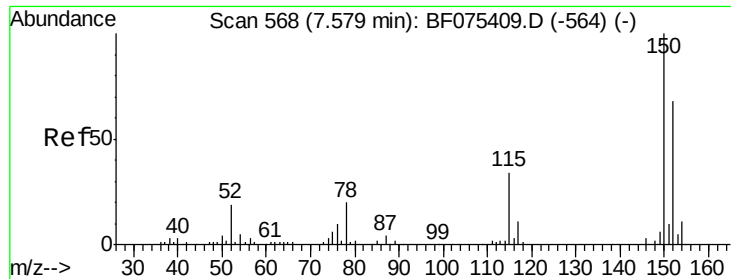
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075578.D
Acq On : 16 Nov 2014 12:11
Operator : TP / JJ
Sample : F4743-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DCW-WC-037-111214

Quant Time: Nov 17 05:00:21 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 17 04:16:34 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

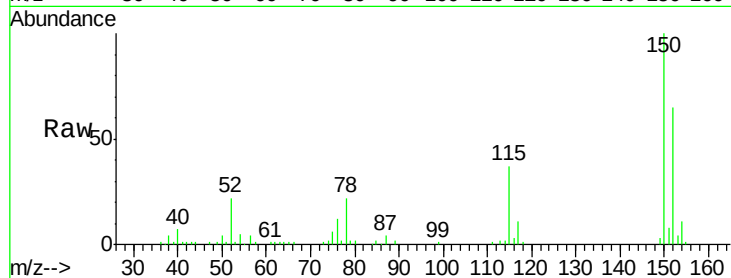
Tgt Ion:152 Resp: 44069

Ion Ratio Lower Upper

152 100

150 154.7 127.2 190.8

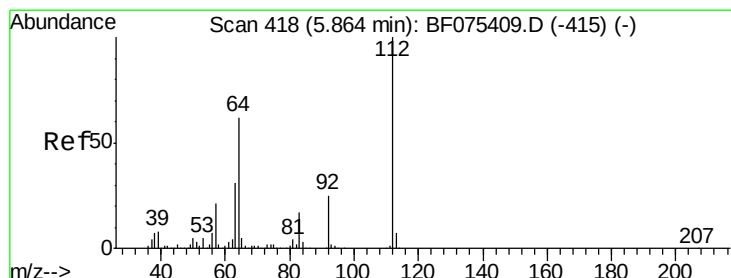
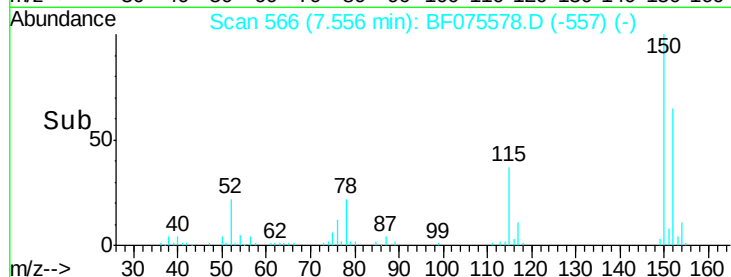
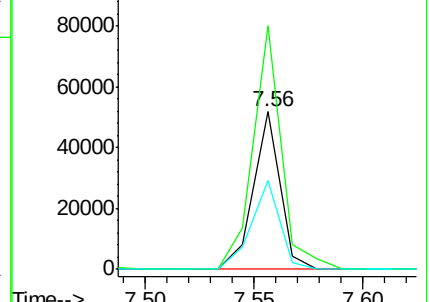
115 56.5 57.1 85.7#



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: 137.92 ng

RT: 5.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

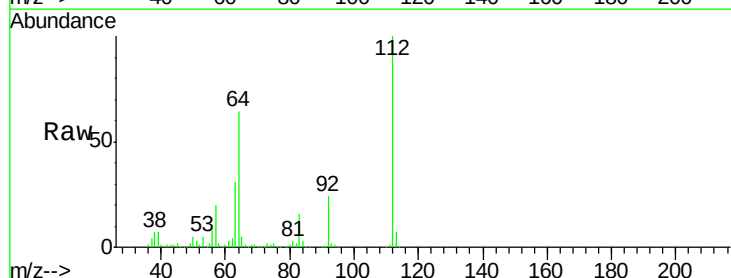
Tgt Ion:112 Resp: 344048

Ion Ratio Lower Upper

112 100

64 64.5 45.8 68.6

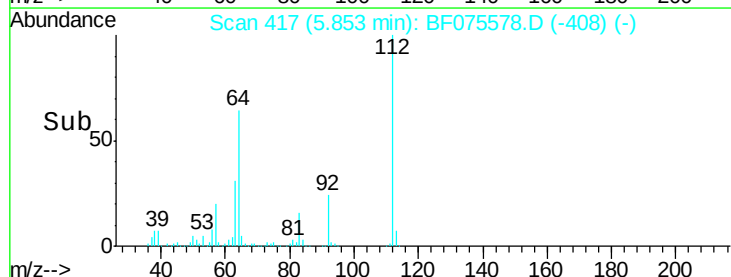
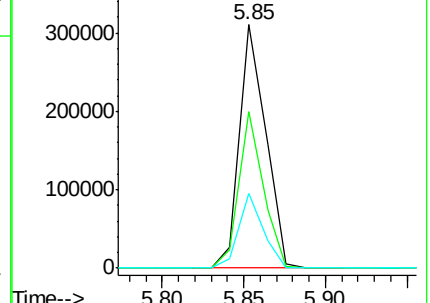
63 30.5 22.7 34.1

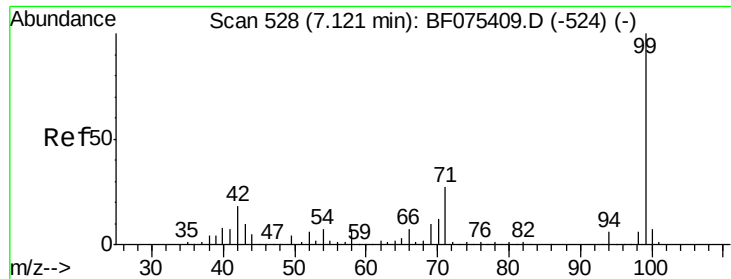


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.91 ng

RT: 7.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

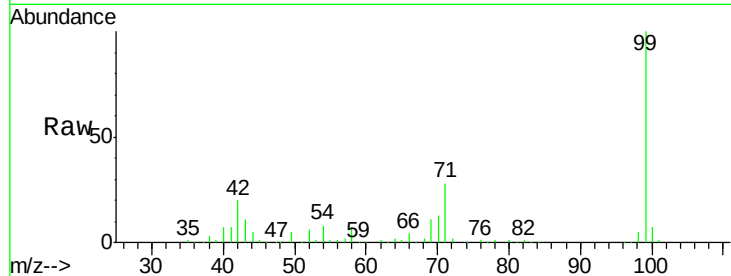
Tgt Ion: 99 Resp: 392714

Ion Ratio Lower Upper

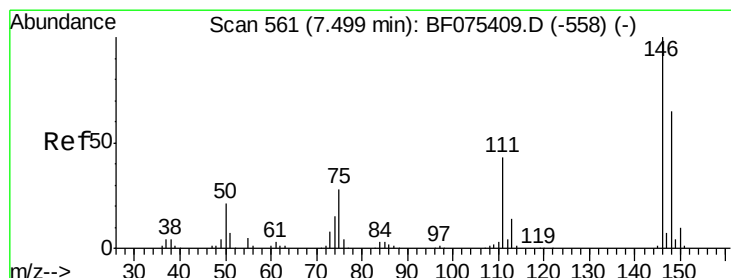
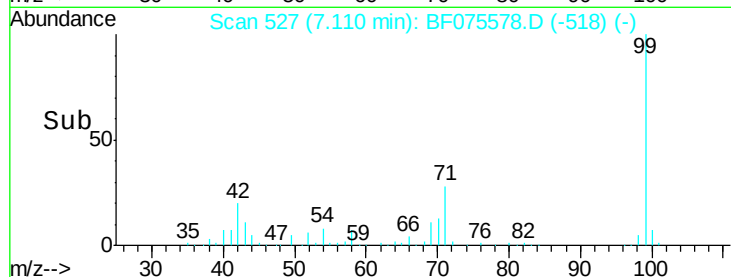
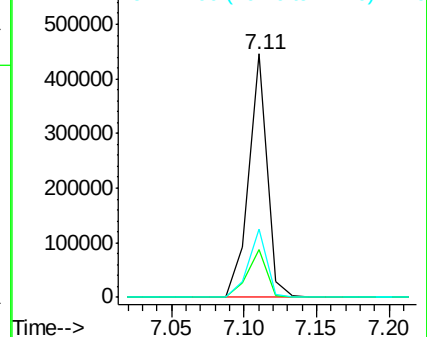
99 100

42 19.9 19.8 29.6

71 28.2 25.5 38.3



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



#12

1,3-Dichlorobenzene

Concen: 3.15 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

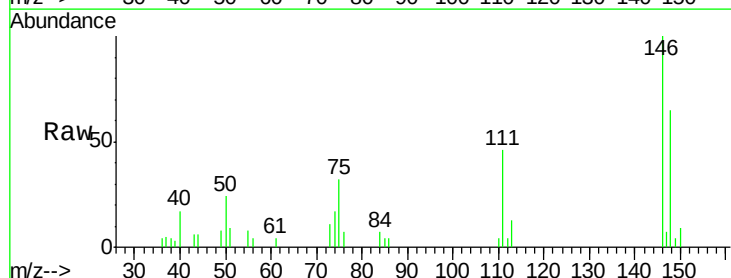
Tgt Ion: 146 Resp: 9914

Ion Ratio Lower Upper

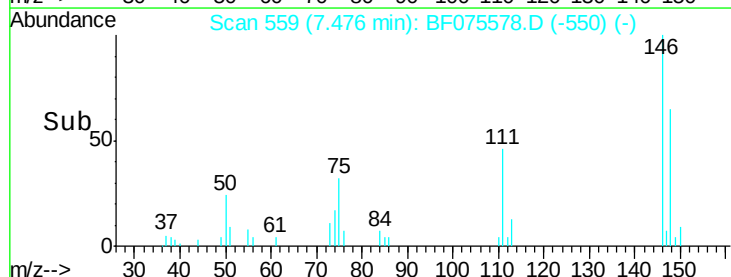
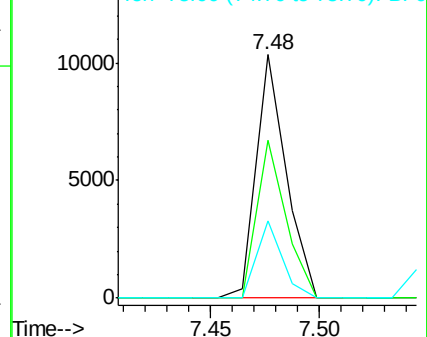
146 100

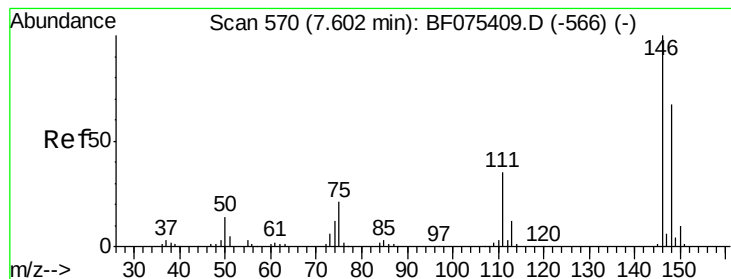
148 65.0 53.1 79.7

75 31.7 21.5 32.3



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 9.81 ng

RT: 7.58 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

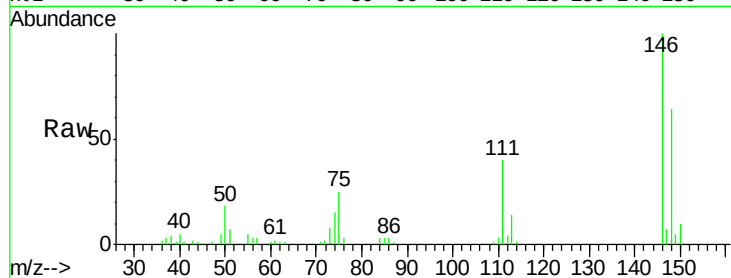
Tgt Ion:146 Resp: 31395

Ion Ratio Lower Upper

146 100

148 64.2 49.9 74.9

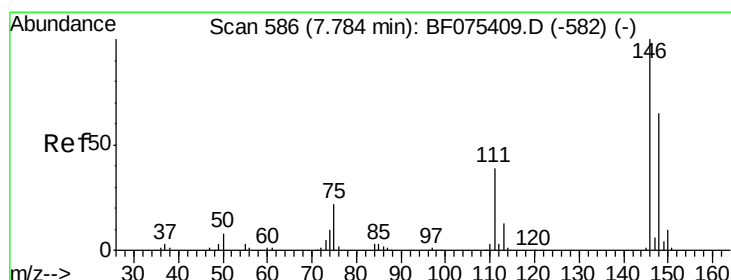
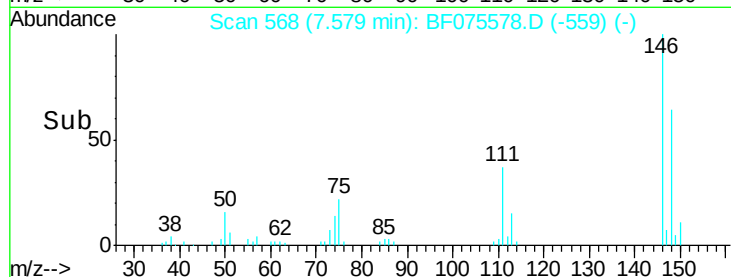
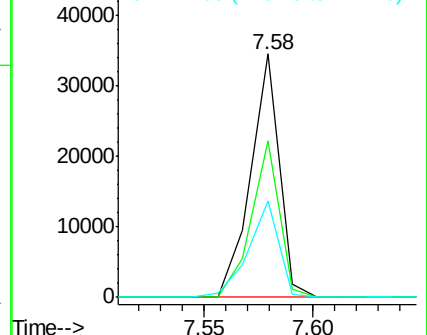
111 39.8 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 371.60 ng

RT: 7.76 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

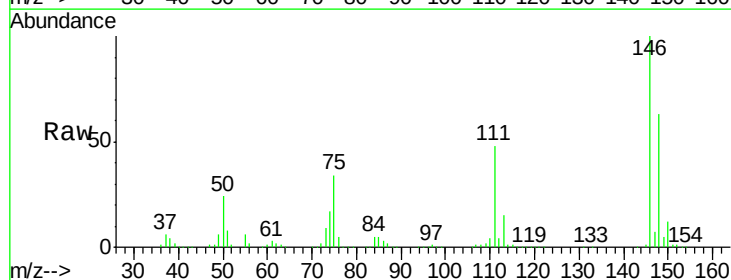
Tgt Ion:146 Resp: 1115262

Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

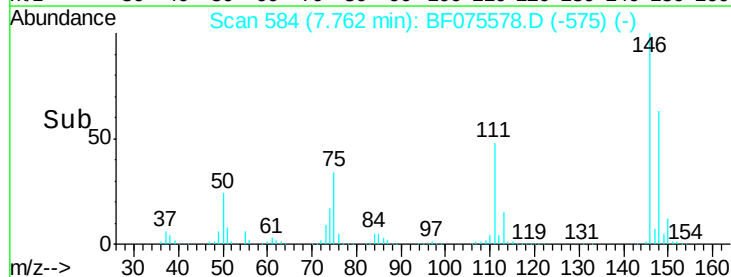
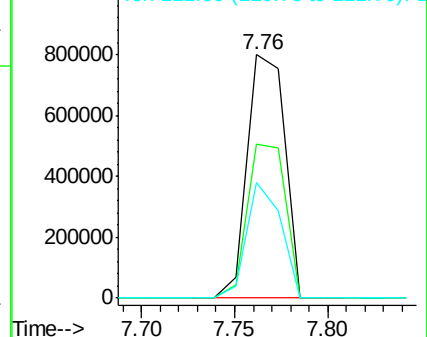
111 47.6 39.9 59.9

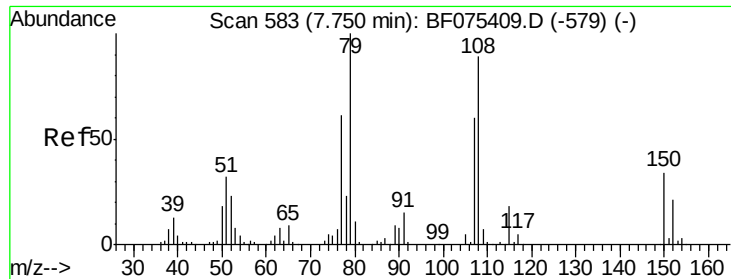


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.12 ng

RT: 7.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

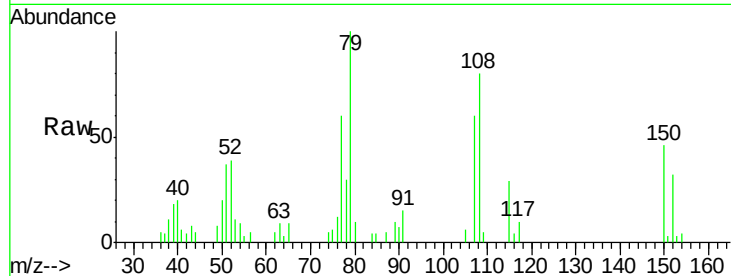
Tgt Ion: 79 Resp: 16756

Ion Ratio Lower Upper

79 100

108 80.0 75.5 113.3

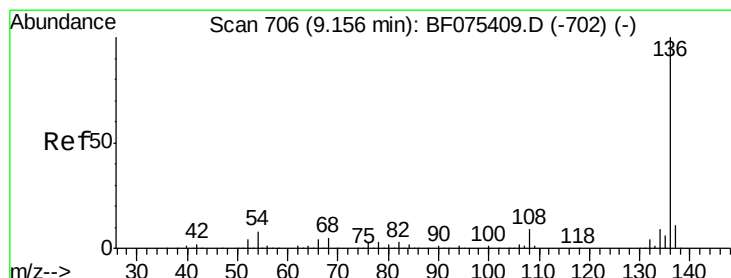
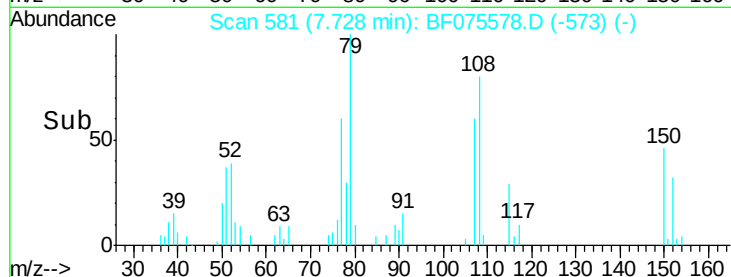
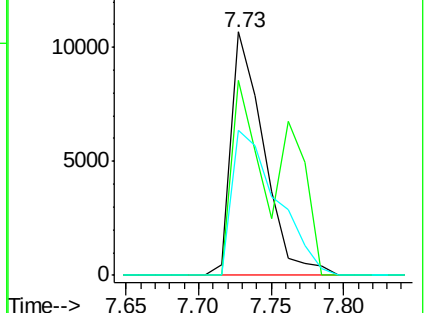
77 59.7 52.1 78.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Tgt Ion: 136 Resp: 180367

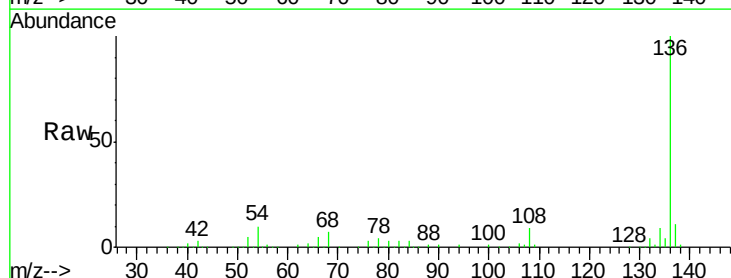
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 9.9 6.2 9.4#

68 6.5 3.4 5.2#

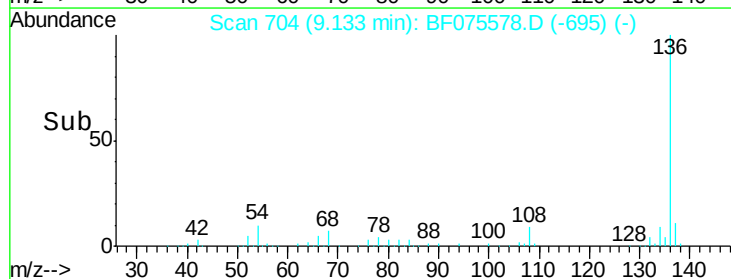
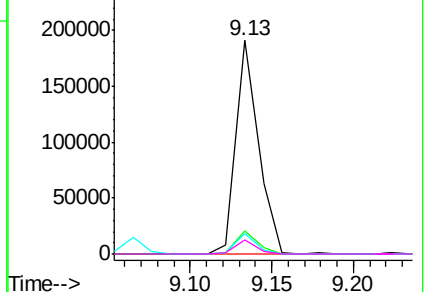


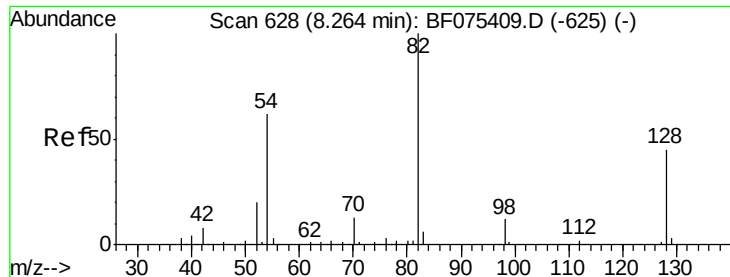
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

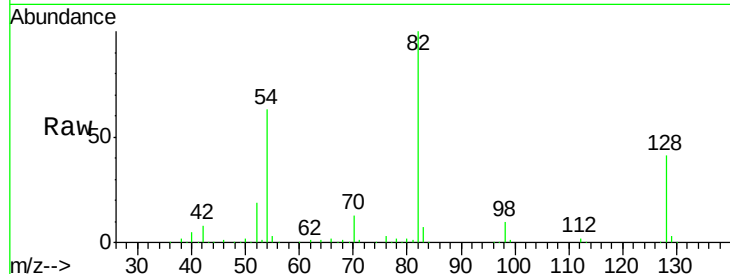




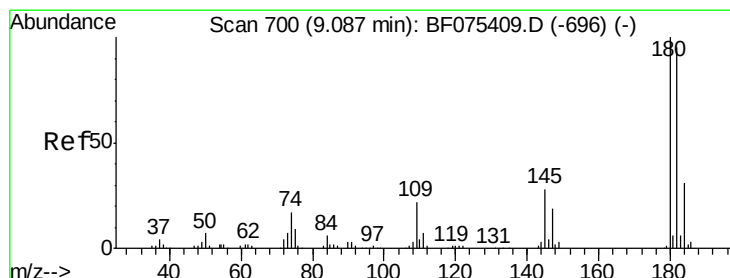
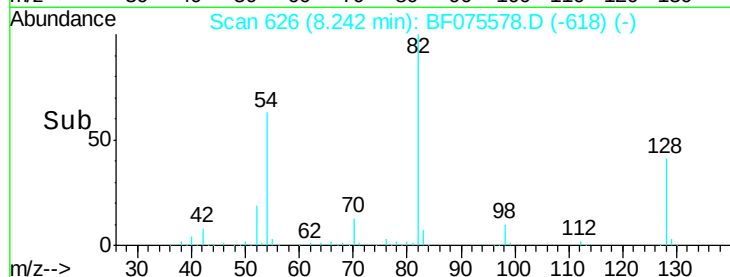
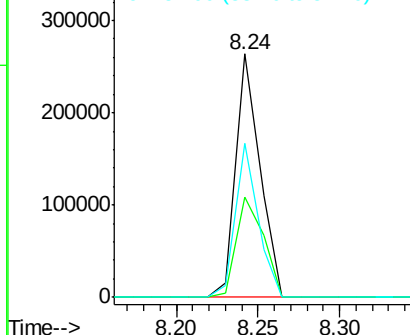
#23
Nitrobenzene-d5
Concen: 109.07 ng
RT: 8.24 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF075578.D
Acq: 16 Nov 2014 12:11

Instrument :
BNA_F
ClientSampleId :
DCW-WC-037-111214

Tgt Ion: 82 Resp: 268332
Ion Ratio Lower Upper
82 100
128 41.3 37.8 56.6
54 63.2 49.8 74.8

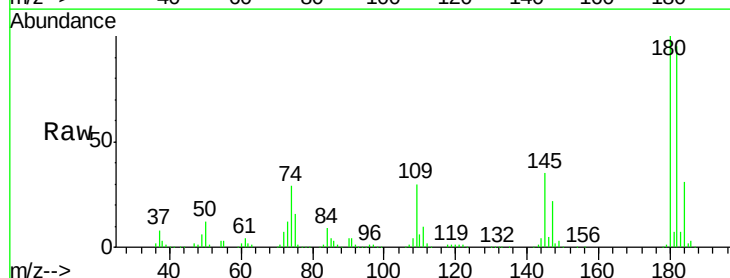


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

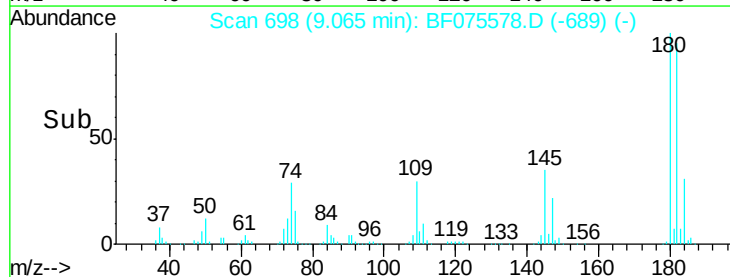
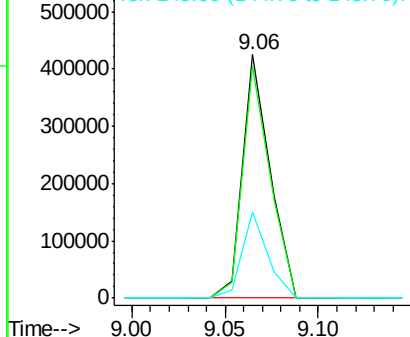


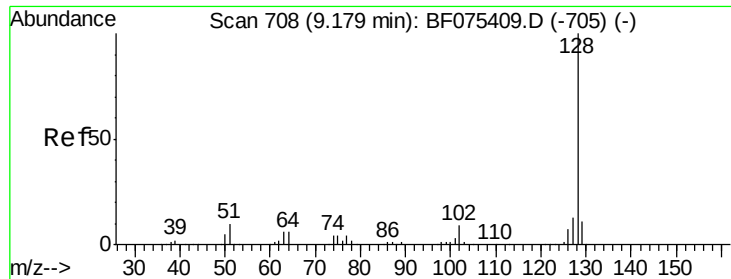
#30
1,2,4-Trichlorobenzene
Concen: 187.90 ng
RT: 9.06 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF075578.D
Acq: 16 Nov 2014 12:11

Tgt Ion: 180 Resp: 435209
Ion Ratio Lower Upper
180 100
182 95.3 78.4 117.6
145 35.3 22.3 33.5#



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

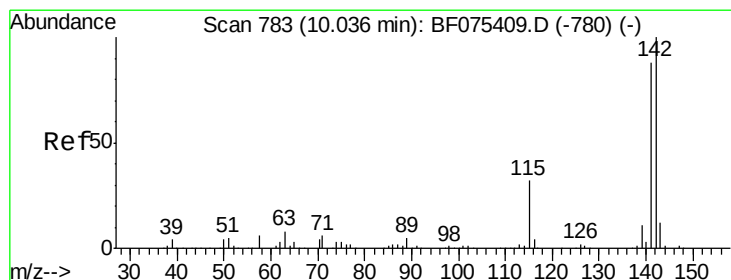
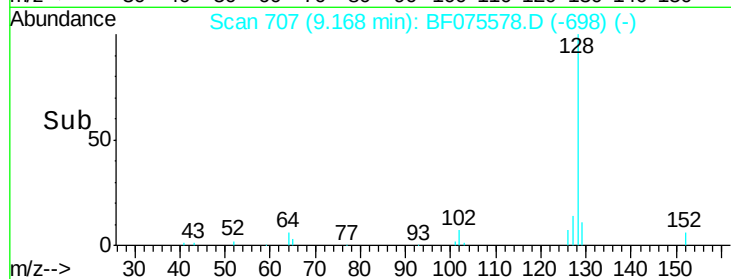
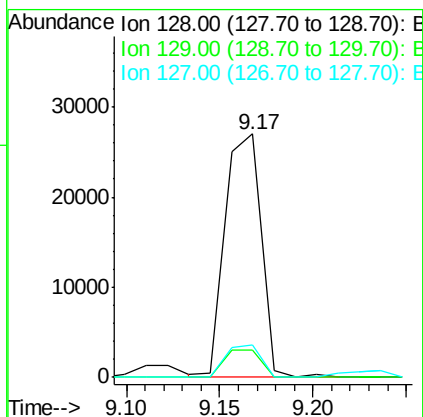
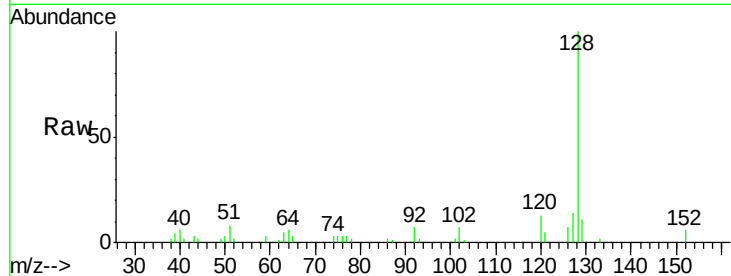




#31
Naphthalene
Concen: 4.58 ng
RT: 9.17 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF075578.D
Acq: 16 Nov 2014 12:11

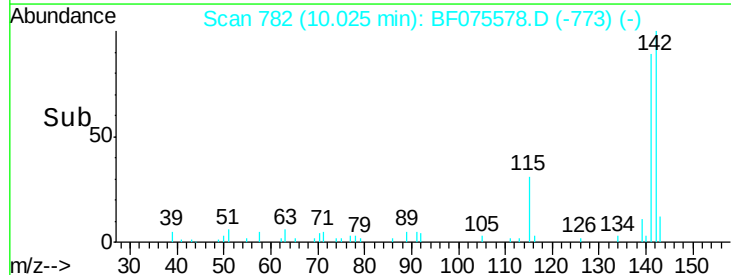
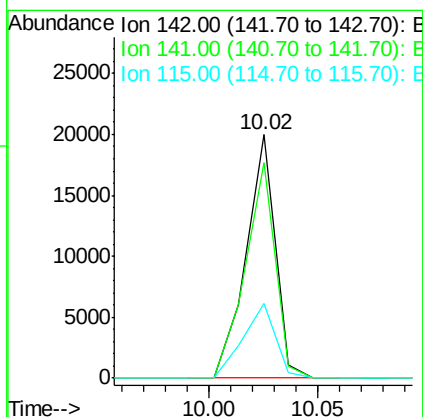
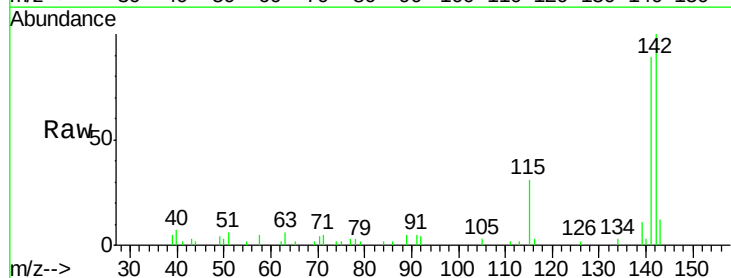
Instrument :
BNA_F
ClientSampleId :
DCW-WC-037-111214

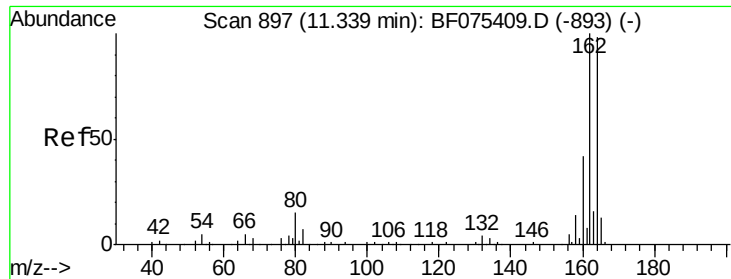
Tgt Ion:128 Resp: 36806
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.6 10.2 15.4



#37
2-Methylnaphthalene
Concen: 3.39 ng
RT: 10.02 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF075578.D
Acq: 16 Nov 2014 12:11

Tgt Ion:142 Resp: 18597
Ion Ratio Lower Upper
142 100
141 88.6 69.9 104.9
115 30.8 27.6 41.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 895

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

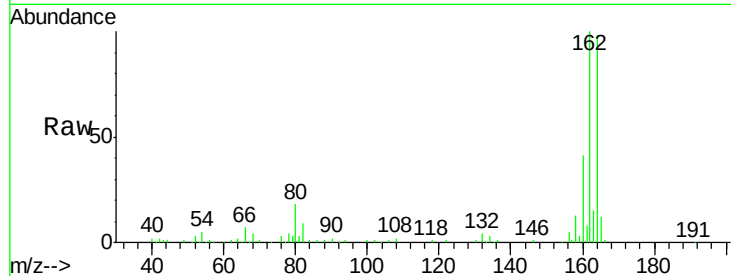
Tgt Ion:164 Resp: 98567

Ion Ratio Lower Upper

164 100

162 101.8 79.1 118.7

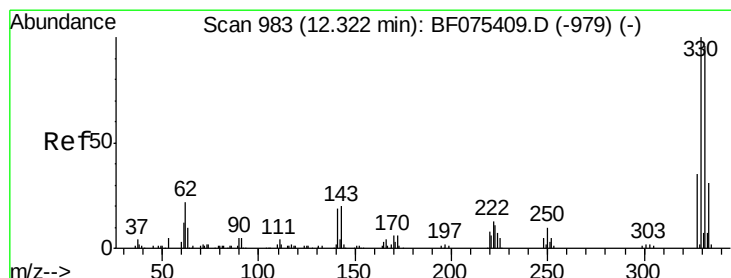
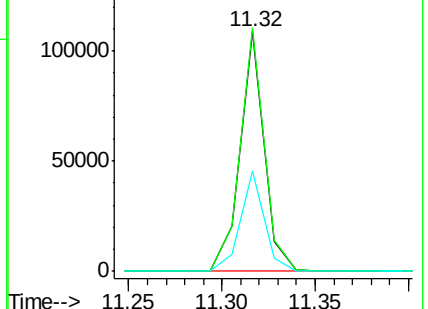
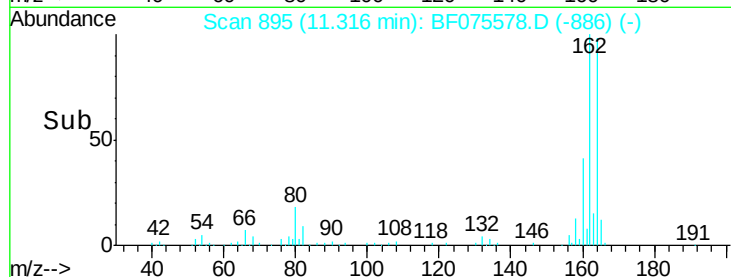
160 42.1 34.6 51.8



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: 156.37 ng

RT: 12.30 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

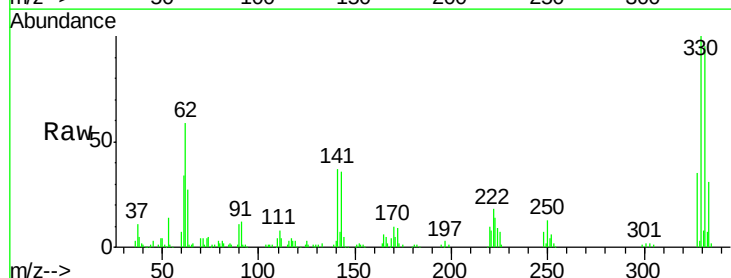
Tgt Ion:330 Resp: 129091

Ion Ratio Lower Upper

330 100

332 94.8 74.5 111.7

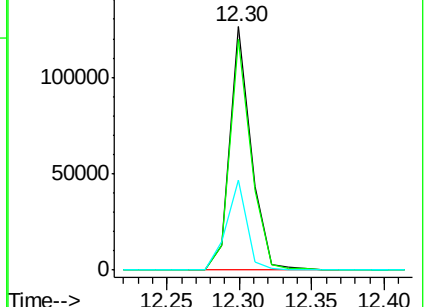
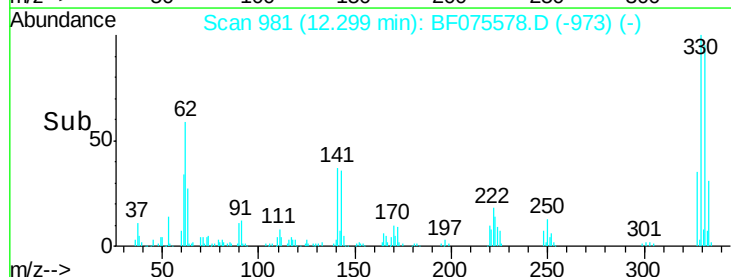
141 35.6 30.7 46.1

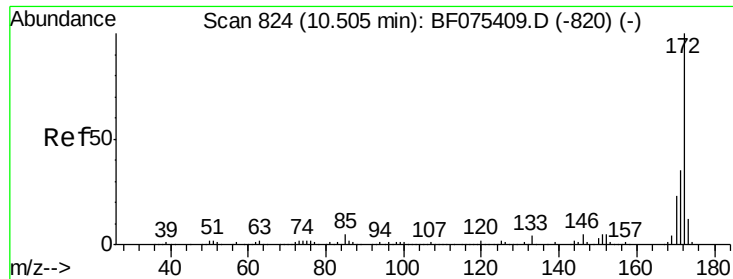


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

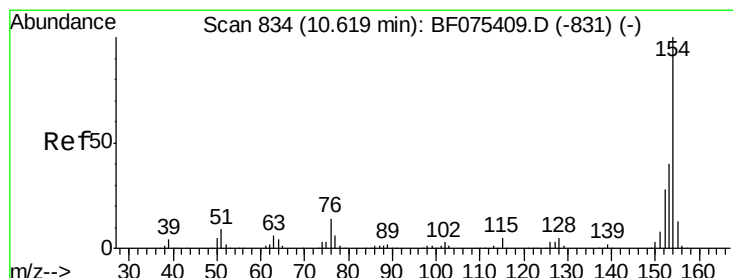
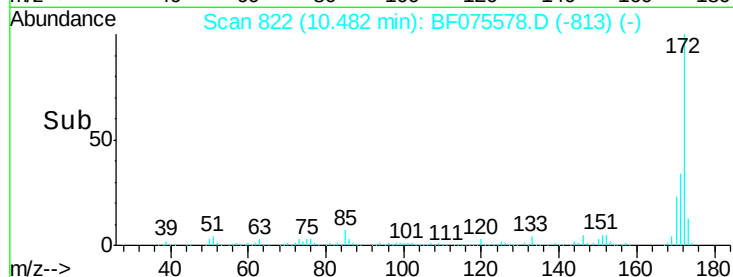
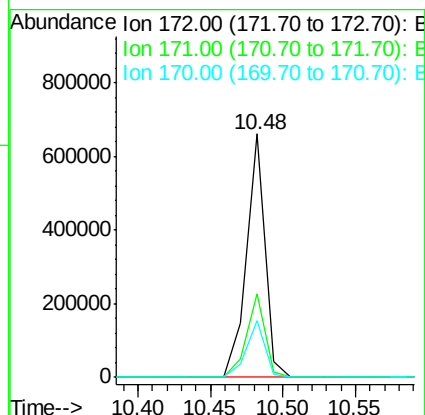
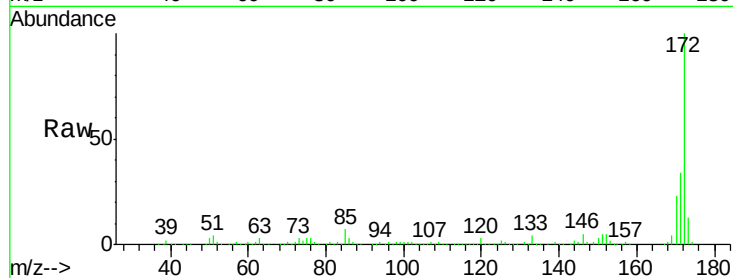




#44
 2-Fluorobiphenyl
 Concen: 108.08 ng
 RT: 10.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF075578.D
 Acq: 16 Nov 2014 12:11

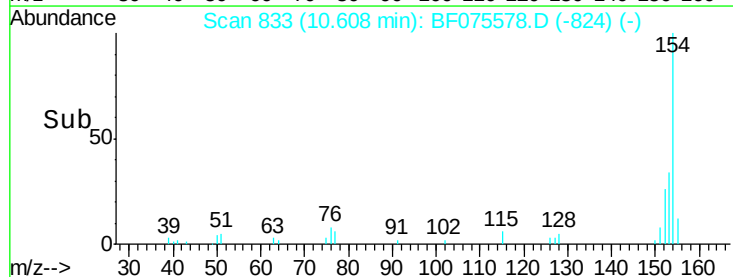
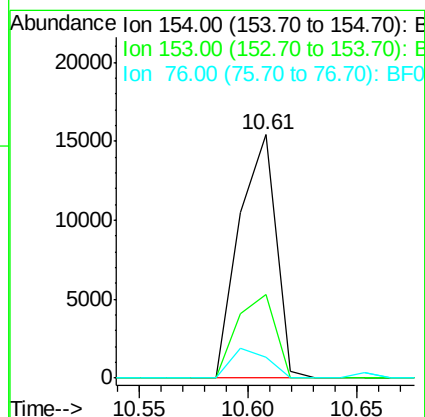
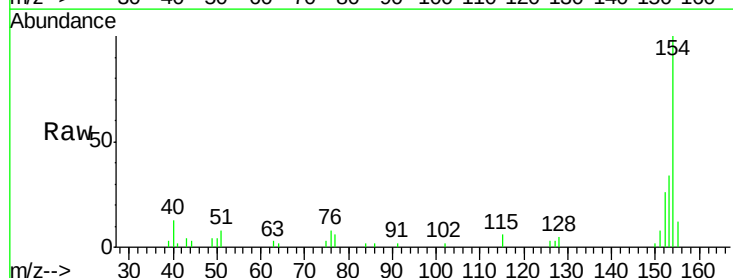
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-037-111214

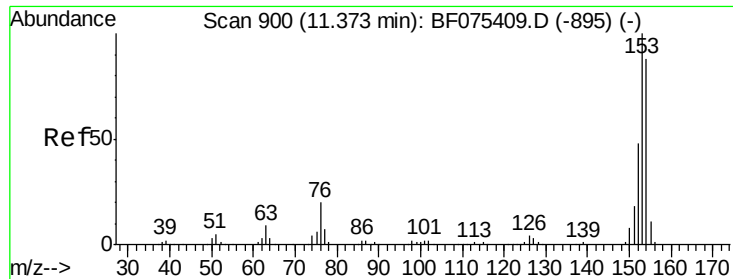
Tgt Ion:172 Resp: 589546
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.3 40.9
 170 23.4 18.4 27.6



#45
 1,1'-Biphenyl
 Concen: 2.72 ng
 RT: 10.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF075578.D
 Acq: 16 Nov 2014 12:11

Tgt Ion:154 Resp: 18054
 Ion Ratio Lower Upper
 154 100
 153 34.4 19.3 59.3
 76 8.4 0.0 35.0





#51

Acenaphthene

Concen: 2.45 ng

RT: 11.35 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

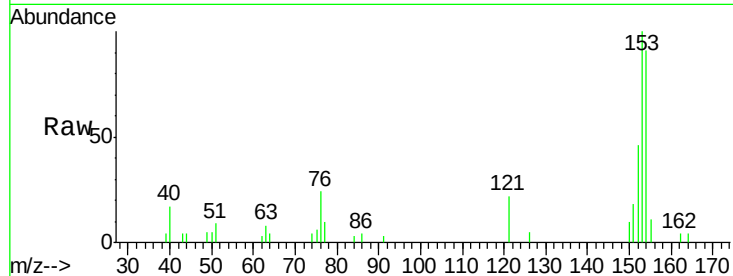
Tgt Ion:154 Resp: 12666

Ion Ratio Lower Upper

154 100

153 110.1 91.2 136.8

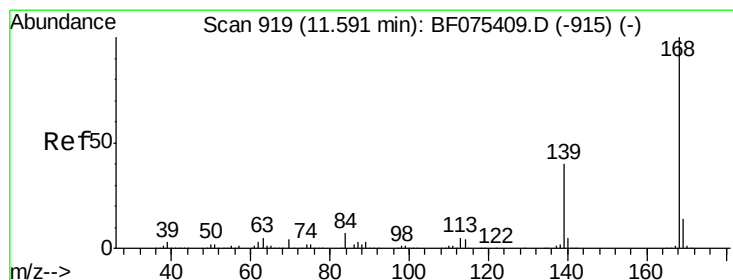
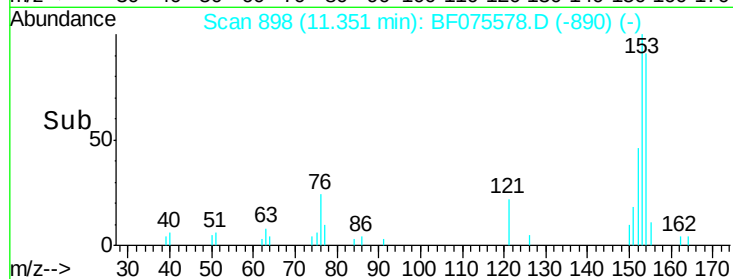
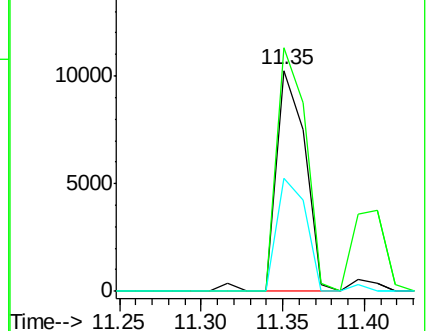
152 51.2 43.4 65.0



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: 5.83 ng

RT: 11.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

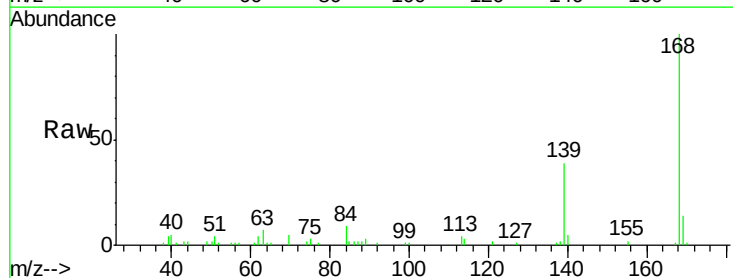
Tgt Ion:168 Resp: 43090

Ion Ratio Lower Upper

168 100

139 38.9 33.0 49.4

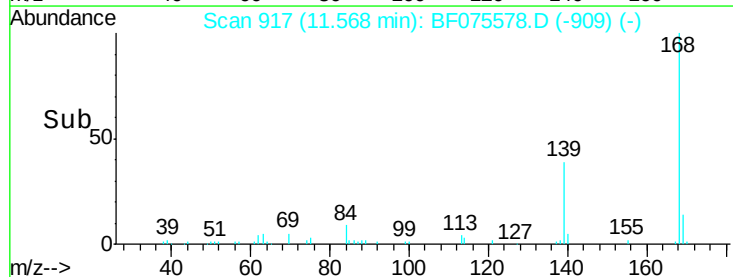
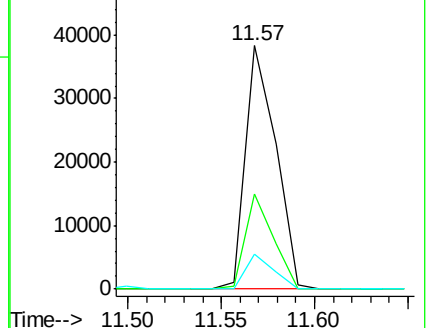
169 14.3 10.8 16.2

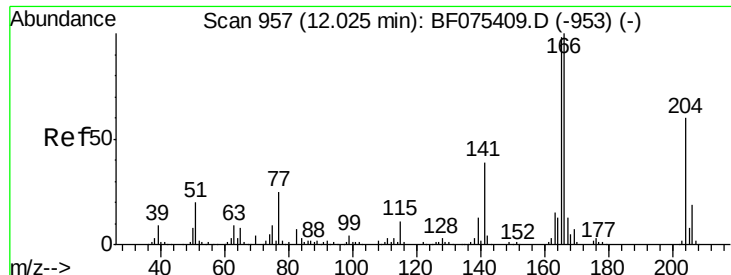


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

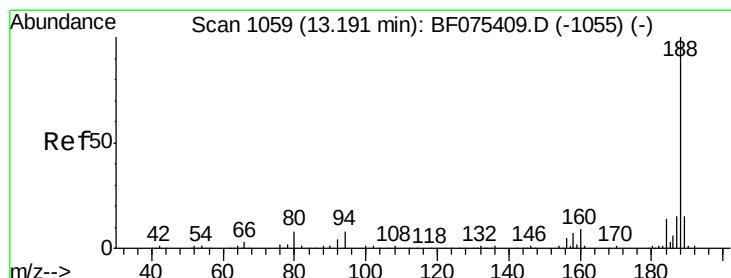
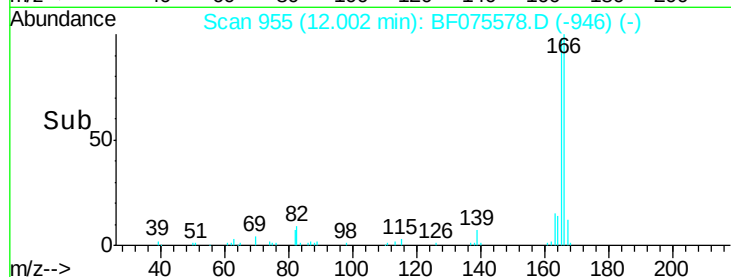
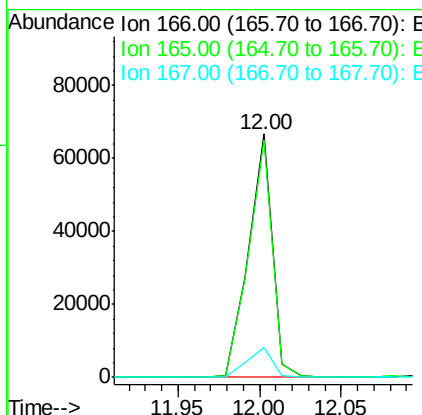
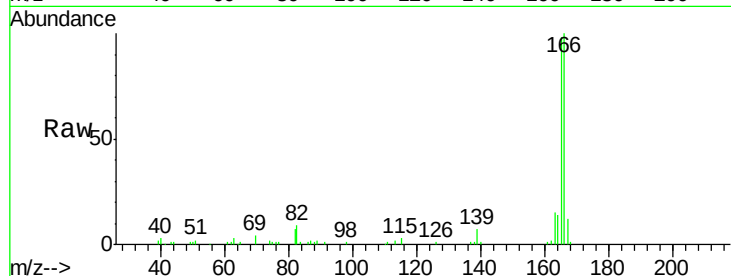




#57
Fluorene
 Concen: 11.28 ng
 RT: 12.00 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BF075578.D
 Acq: 16 Nov 2014 12:11

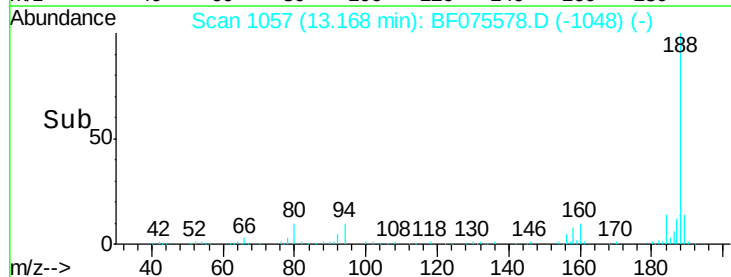
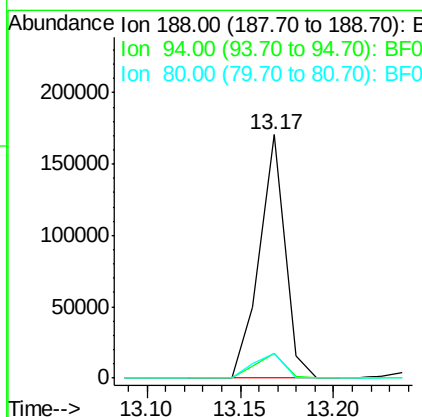
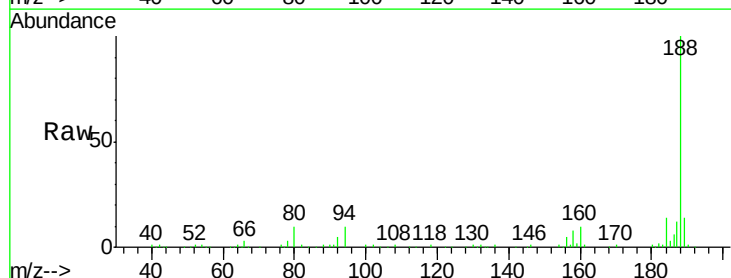
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-037-111214

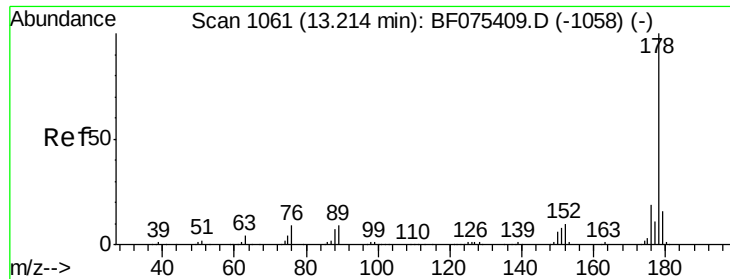
Tgt Ion:166 Resp: 67438
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.8 118.2
 167 12.3 10.6 15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BF075578.D
 Acq: 16 Nov 2014 12:11

Tgt Ion:188 Resp: 162320
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.8 11.6
 80 10.4 8.0 12.0





#70

Phenanthrene

Concen: 8.42 ng

RT: 13.19 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

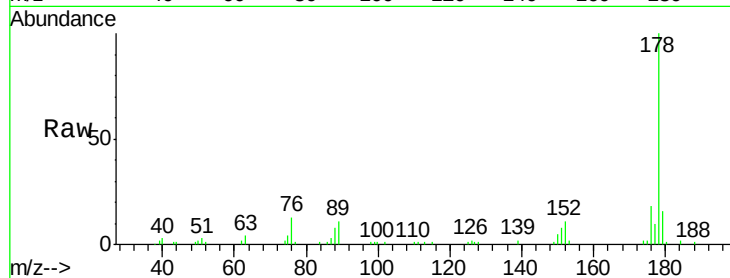
Tgt Ion:178 Resp: 71941

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

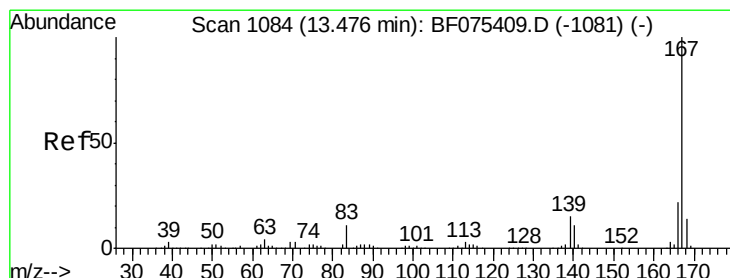
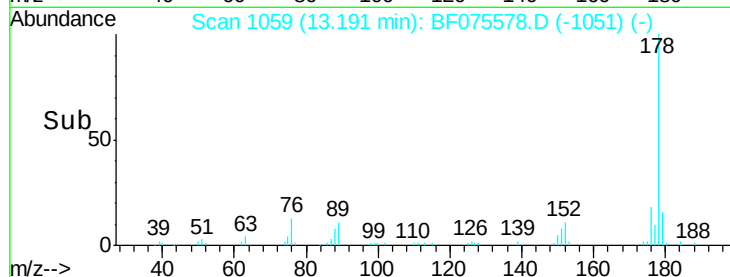
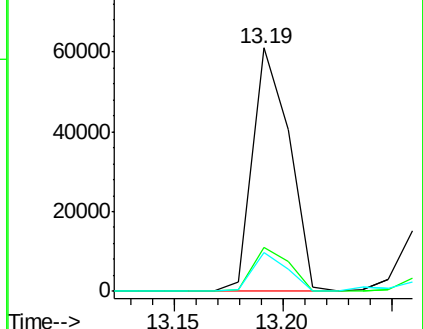
179 16.1 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 69.93 ng

RT: 13.47 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

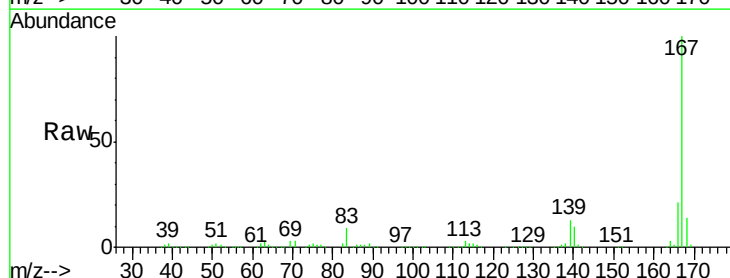
Tgt Ion:167 Resp: 604152

Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.0

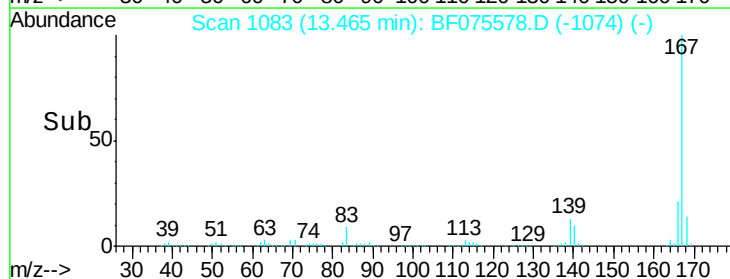
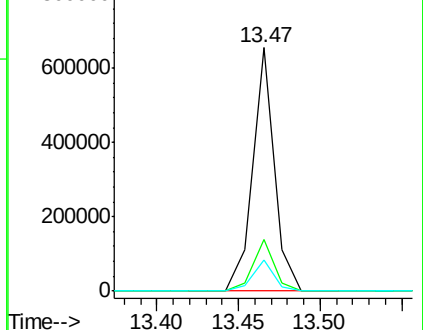
139 12.8 10.1 15.1

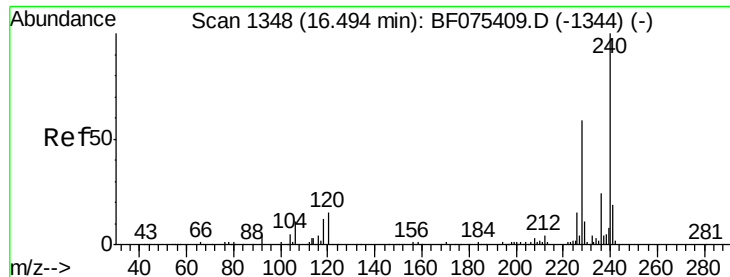


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.46 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

Instrument :

BNA_F

ClientSampleId :

DCW-WC-037-111214

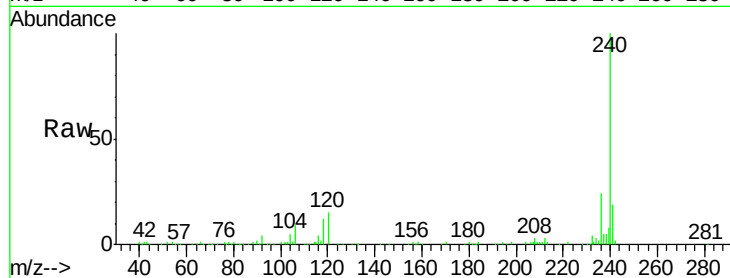
Tgt Ion:240 Resp: 176642

Ion Ratio Lower Upper

240 100

120 14.6 9.6 14.4#

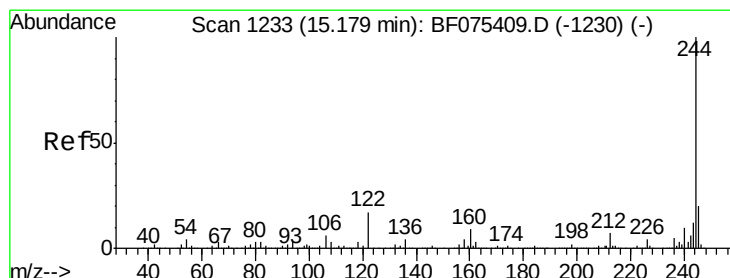
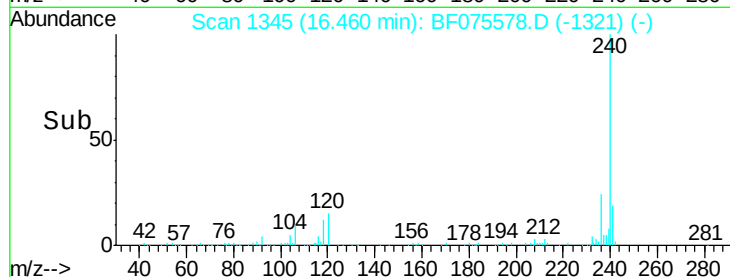
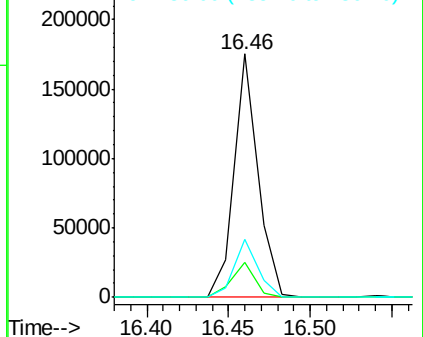
236 23.9 18.9 28.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 100.07 ng

RT: 15.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF075578.D

Acq: 16 Nov 2014 12:11

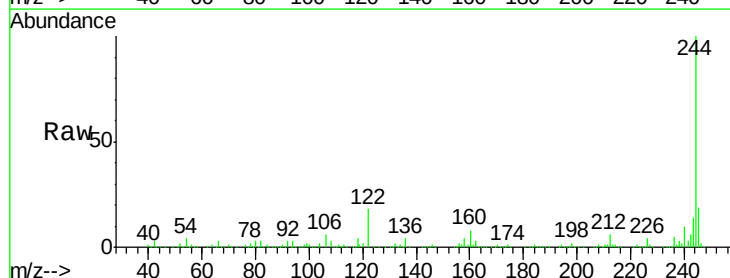
Tgt Ion:244 Resp: 656608

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

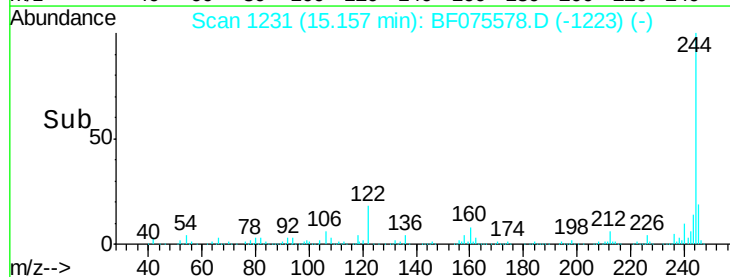
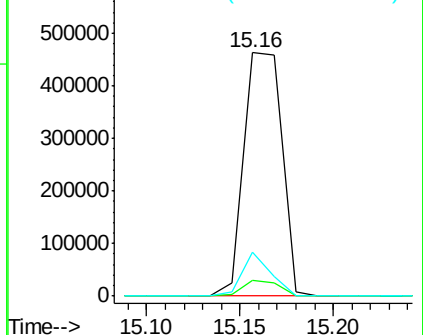
122 18.2 9.7 14.5#

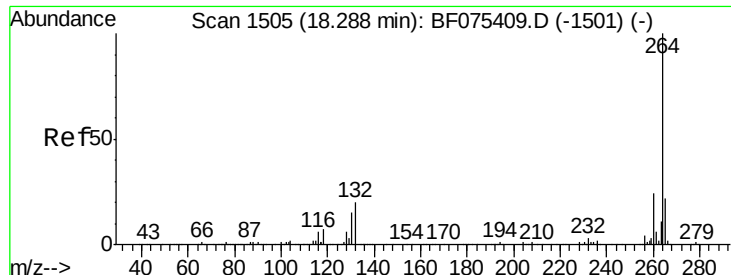


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

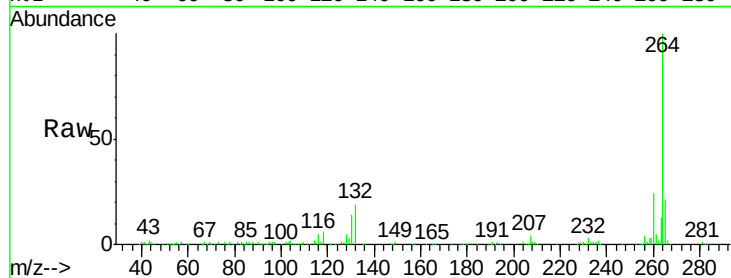




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.21 min Scan# 1498
Delta R.T. -0.08 min
Lab File: BF075578.D
Acq: 16 Nov 2014 12:11

Instrument :
BNA_F
ClientSampleId :
DCW-WC-037-111214

Tgt Ion:	264	Resp:	174863
Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	21.3	16.3	24.5



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

