

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
 Data File : BF077333.D
 Acq On : 18 Feb 2015 00:46
 Operator : TP/IZ
 Sample : G1295-02
 Misc : TCLP
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

Quant Time: Feb 18 10:52:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	59128	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	237850	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	113705	20.00	ng	-0.01
63) Phenanthrene-d10	12.98	188	233242	20.00	ng	0.00
75) Chrysene-d12	16.28	240	225622	20.00	ng	0.01
86) Perylene-d12	18.03	264	226414	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	439371	126.99	ng	0.01
7) Phenol-d6	6.92	99	513511	113.61	ng	0.00
23) Nitrobenzene-d5	8.06	82	329134	95.83	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	163327	153.97	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	831746	110.28	ng	0.00
78) Terphenyl-d14	14.98	244	908574	91.55	ng	0.00

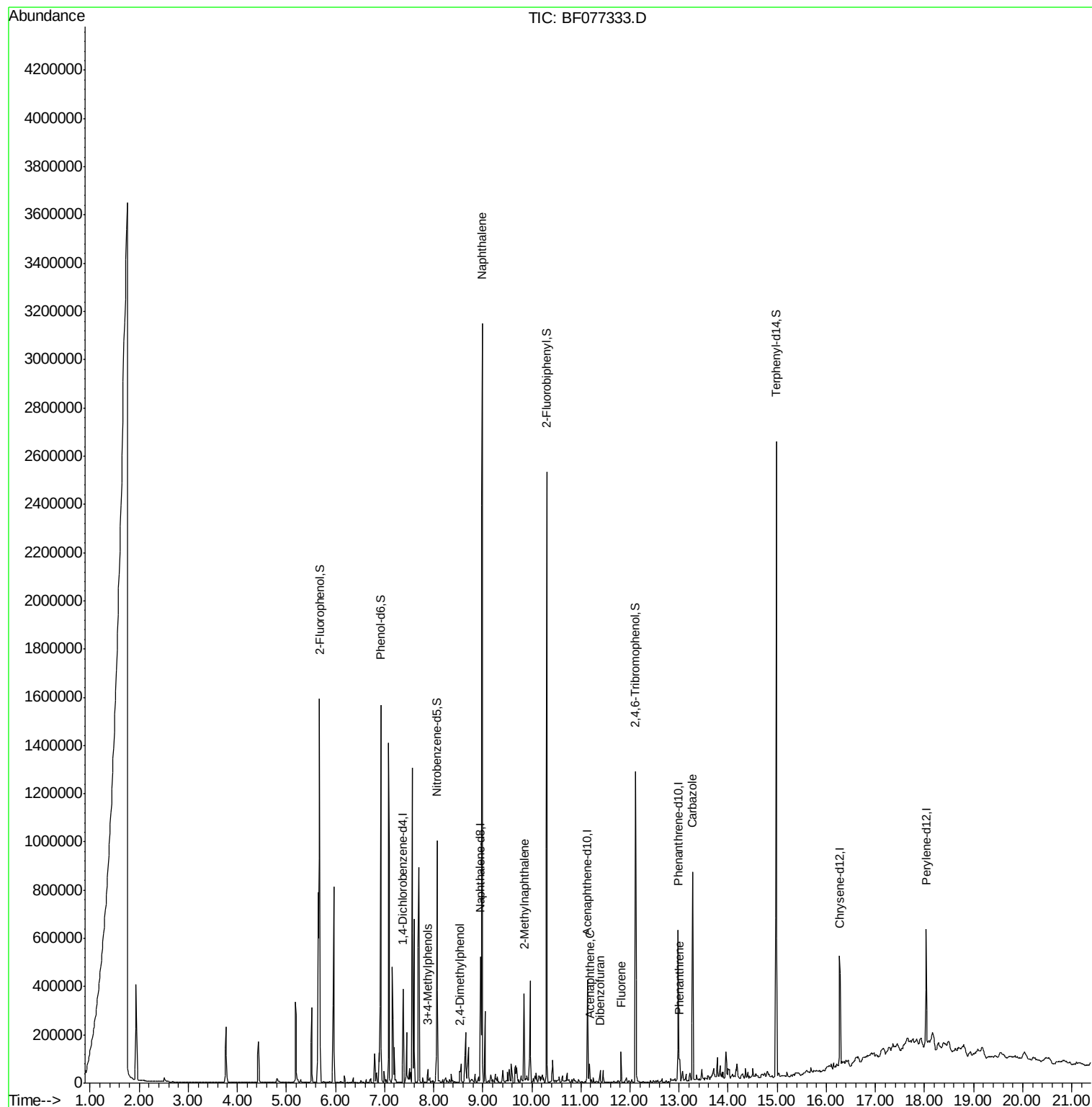
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.88	107	9350	2.22	ng	# 65
27) 2,4-Dimethylphenol	8.53	122	16753	4.75	ng	95
31) Naphthalene	8.99	128	1906332	160.18	ng	98
37) 2-Methylnaphthalene	9.85	142	143957	16.82	ng	98
51) Acenaphthene	11.17	154	17414	2.64	ng	99
54) Dibenzofuran	11.39	168	21827	2.18	ng	97
57) Fluorene	11.81	166	35894	4.58	ng	99
70) Phenanthrene	13.01	178	51417	3.79	ng	98
72) Carbazole	13.28	167	360105	30.39	ng	99

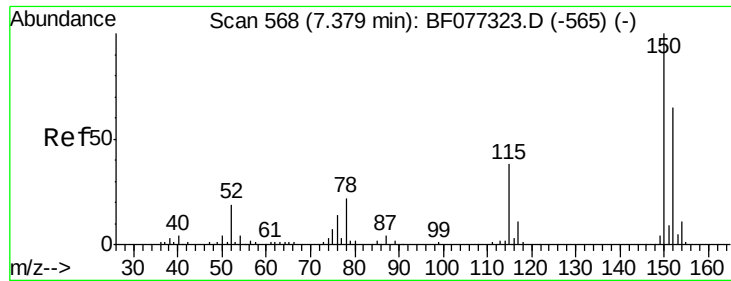
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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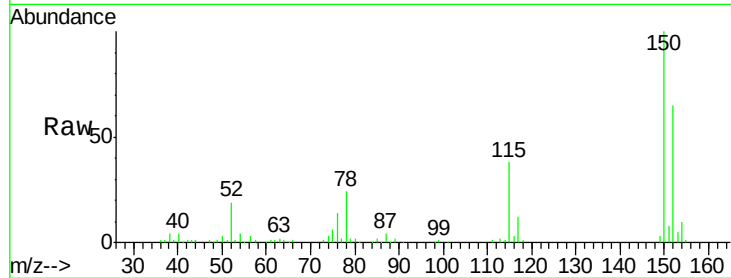


#1

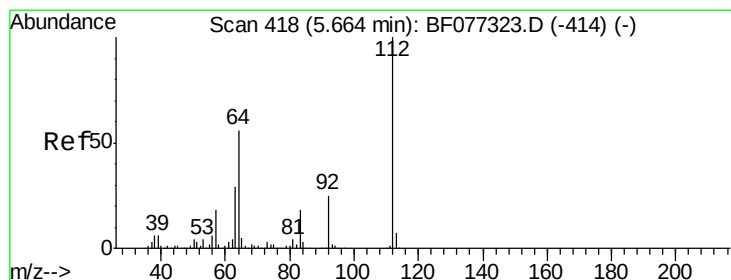
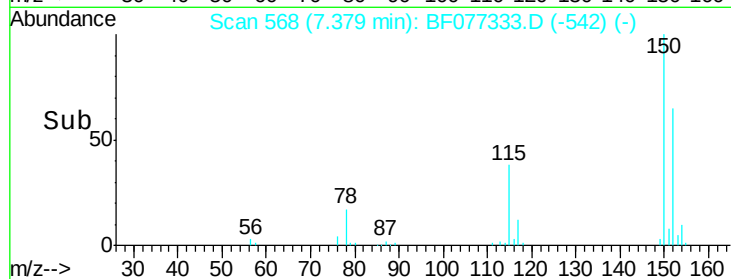
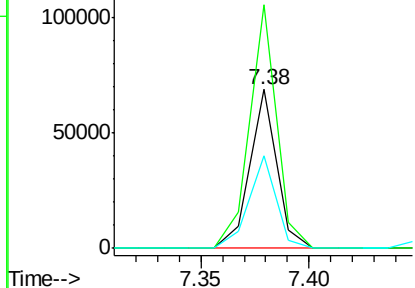
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF077333.D
Acq: 18 Feb 2015 00:46

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion:152 Resp: 59128
Ion Ratio Lower Upper
152 100
150 153.5 123.1 184.7
115 58.3 46.2 69.4



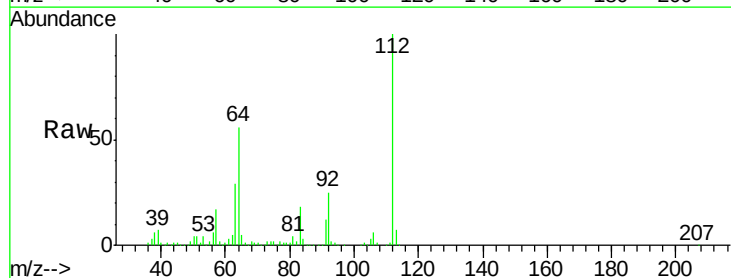
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



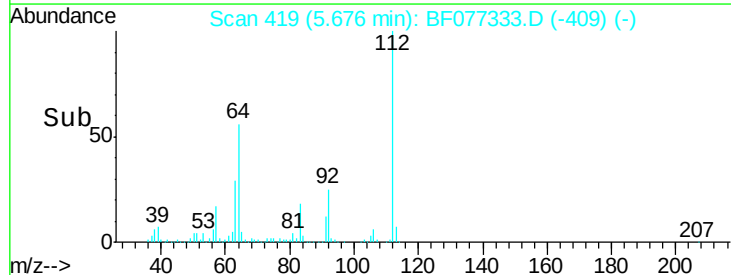
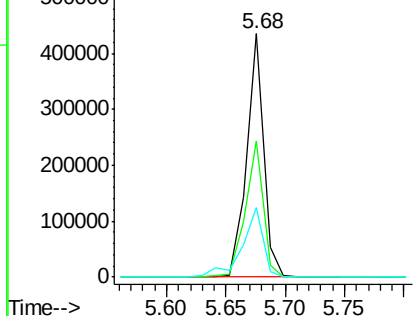
#5

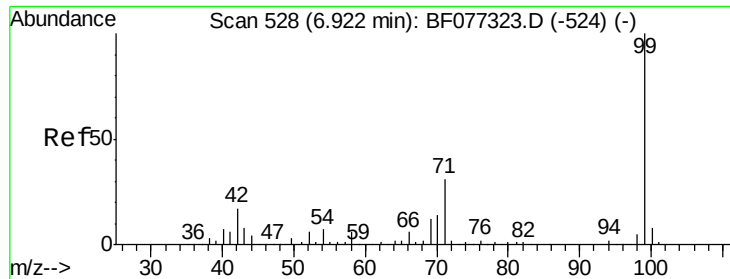
2-Fluorophenol
Concen: 126.99 ng
RT: 5.68 min Scan# 419
Delta R.T. 0.01 min
Lab File: BF077333.D
Acq: 18 Feb 2015 00:46

Tgt Ion:112 Resp: 439371
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 28.7 23.3 34.9



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: 113.61 ng

RT: 6.92 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

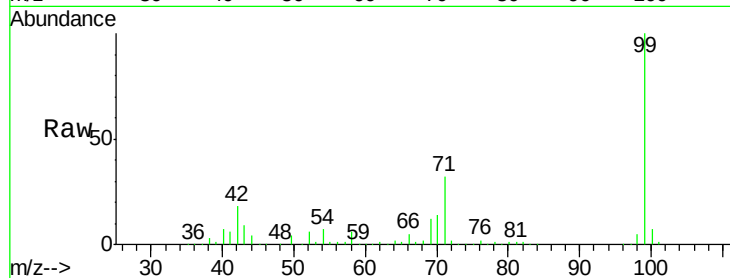
Tgt Ion: 99 Resp: 513511

Ion Ratio Lower Upper

99 100

42 18.2 13.8 20.6

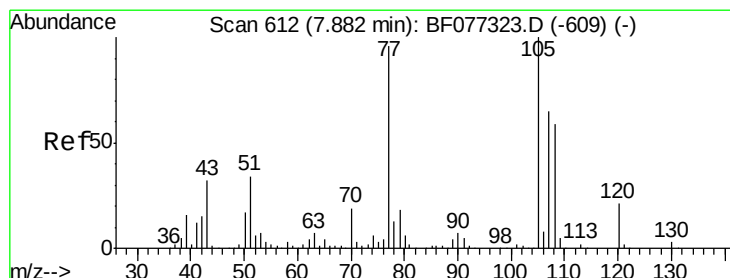
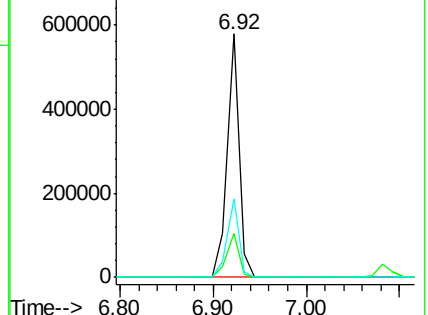
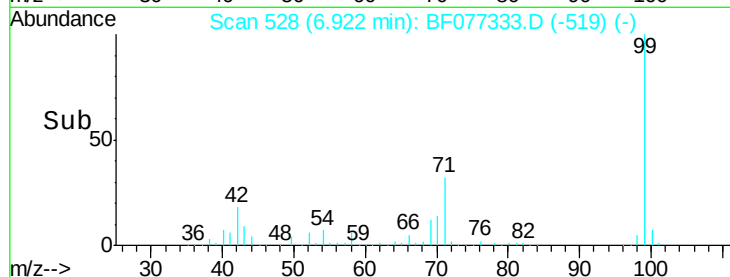
71 32.2 24.6 37.0



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



#20

3+4-Methylphenols

Concen: 2.22 ng

RT: 7.88 min Scan# 612

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Tgt Ion: 107 Resp: 9350

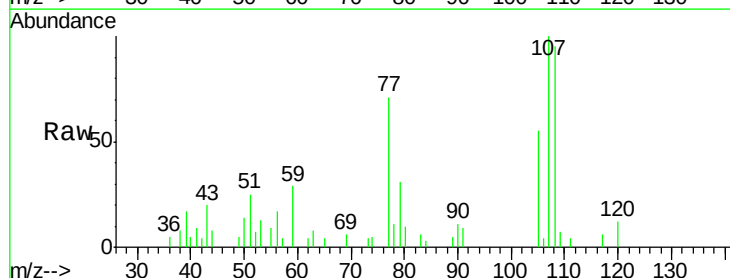
Ion Ratio Lower Upper

107 100

108 94.5 70.6 110.6

77 71.1 126.5 166.5#

79 31.4 8.3 48.3

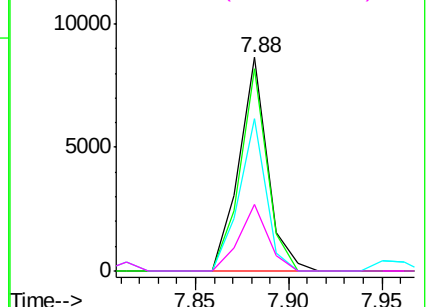
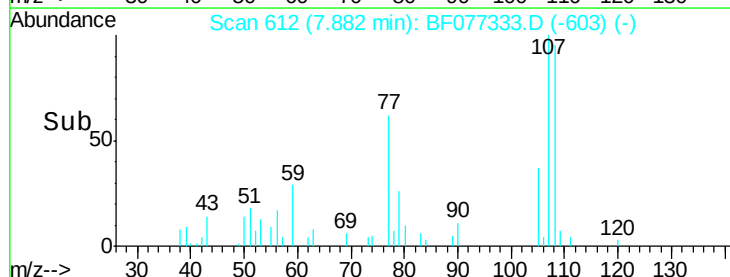


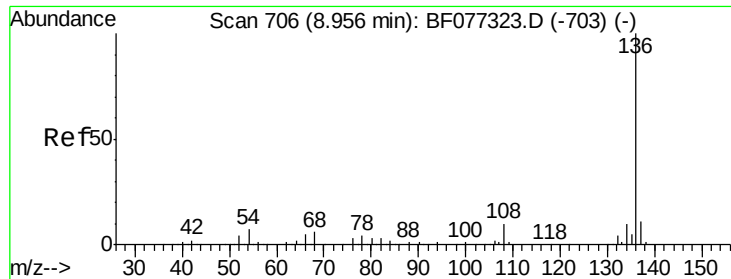
Abundance Ion 107.00 (106.70 to 107.70): E

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

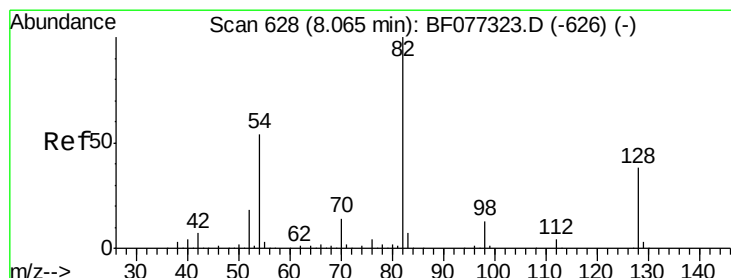
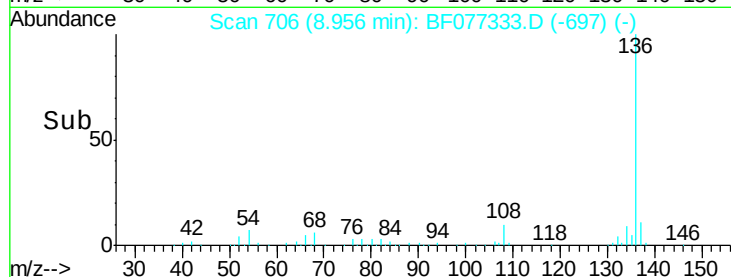
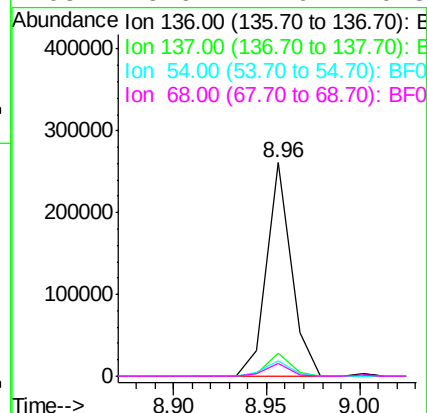
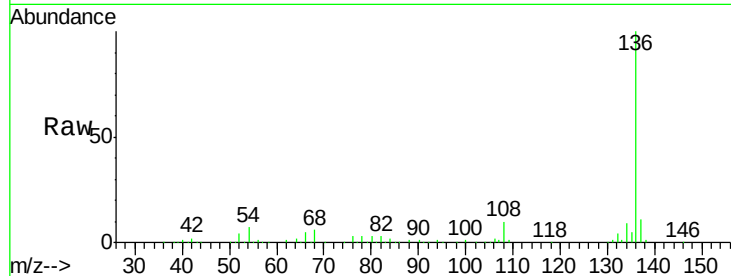




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.96 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF077333.D
Acq: 18 Feb 2015 00:46

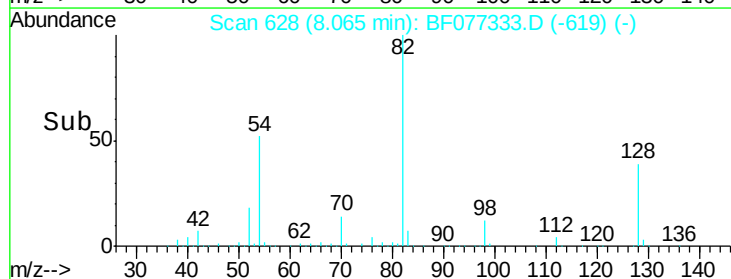
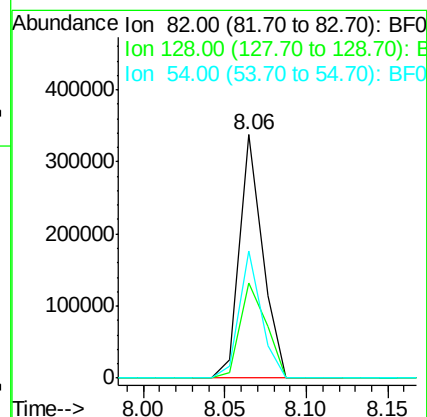
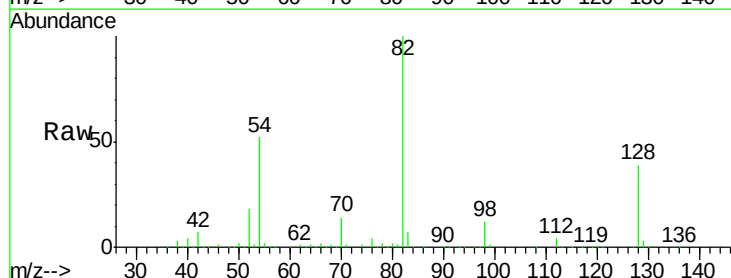
Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

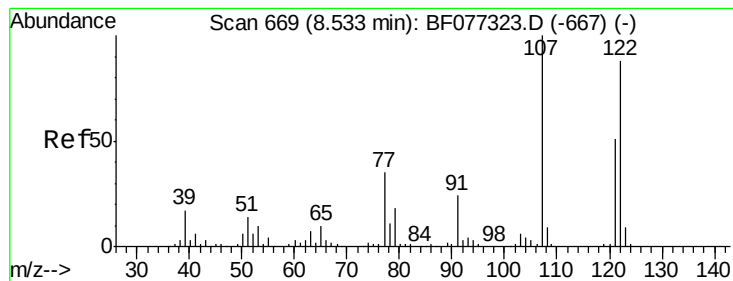
Tgt Ion:	136	Resp:	237850
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.3	5.8	8.6
68	5.9	4.6	6.8



#23
Nitrobenzene-d5
Concen: 95.83 ng
RT: 8.06 min Scan# 628
Delta R.T. -0.00 min
Lab File: BF077333.D
Acq: 18 Feb 2015 00:46

Tgt Ion:	82	Resp:	329134
Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.7	46.1
54	52.4	43.1	64.7





#27

2,4-Dimethylphenol

Concen: 4.75 ng

RT: 8.53 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

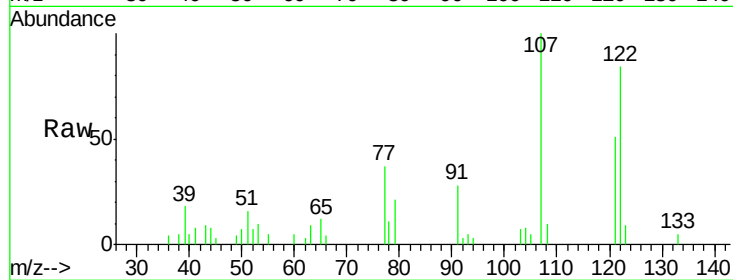
Tgt Ion:122 Resp: 16753

Ion Ratio Lower Upper

122 100

107 119.6 90.6 135.8

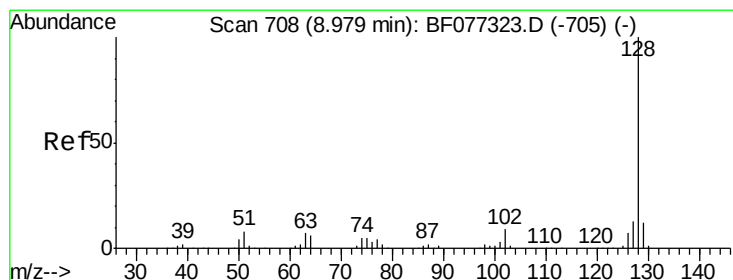
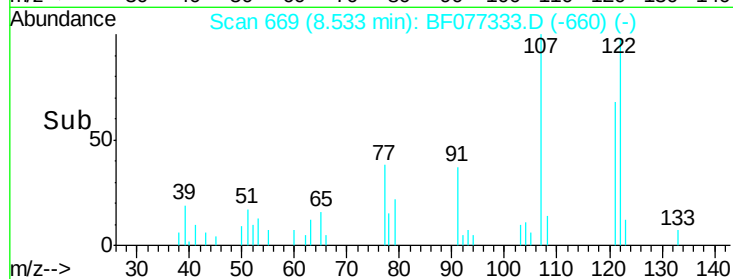
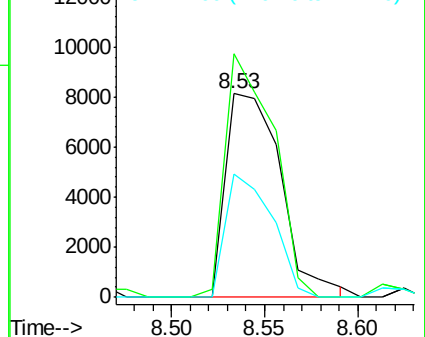
121 60.6 46.2 69.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 160.18 ng

RT: 8.99 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

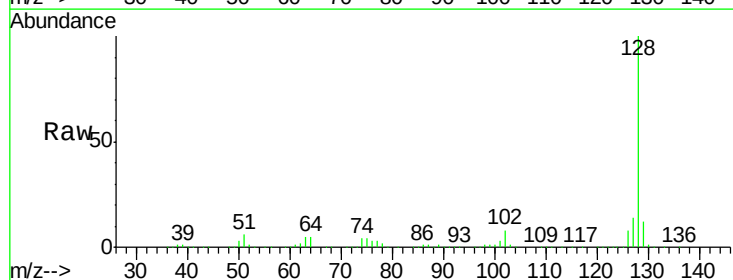
Tgt Ion:128 Resp: 1906332

Ion Ratio Lower Upper

128 100

129 11.7 9.5 14.3

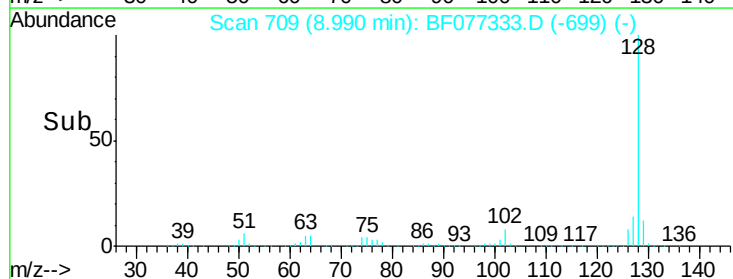
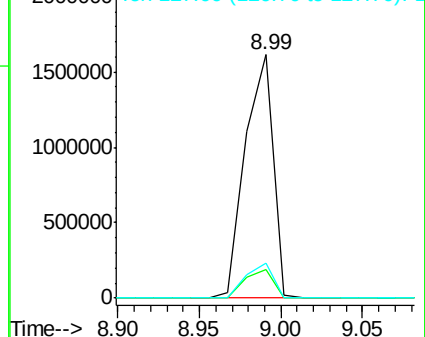
127 14.2 10.5 15.7

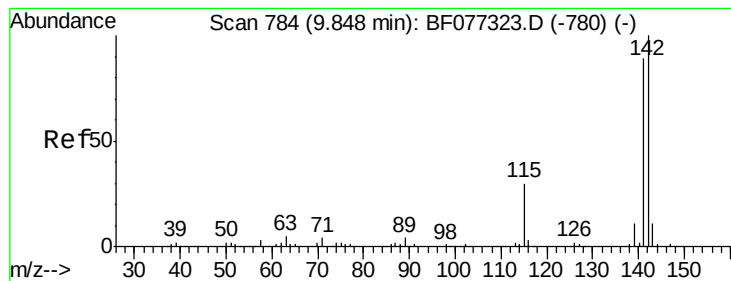


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 16.82 ng

RT: 9.85 min Scan# 784

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

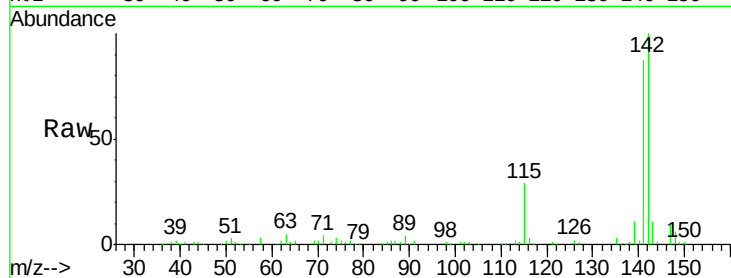
Tgt Ion:142 Resp: 143957

Ion Ratio Lower Upper

142 100

141 87.4 71.2 106.8

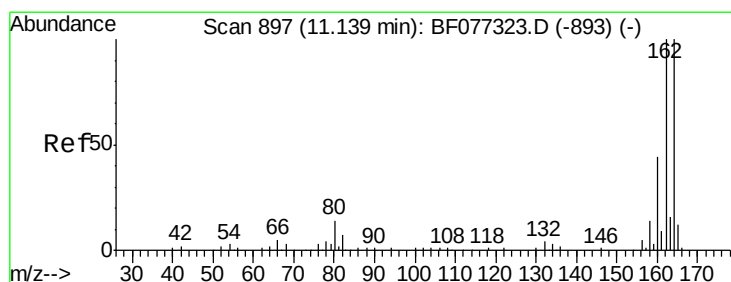
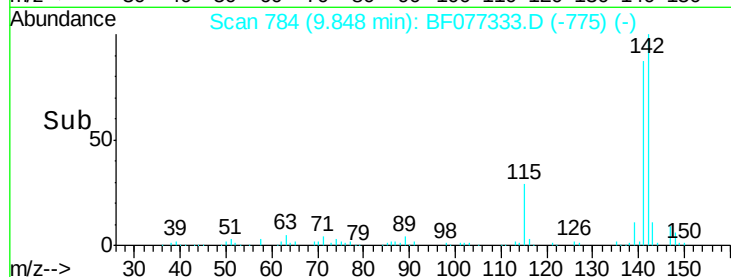
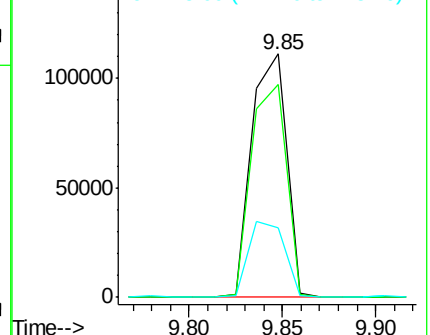
115 28.7 23.8 35.8



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: 11.13 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

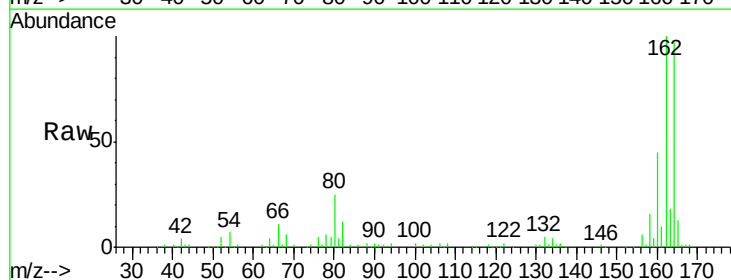
Tgt Ion:164 Resp: 113705

Ion Ratio Lower Upper

164 100

162 103.4 80.4 120.6

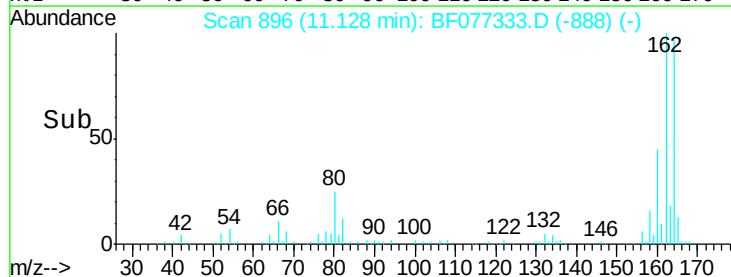
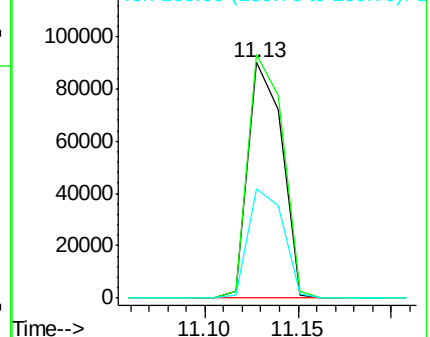
160 46.5 35.3 52.9

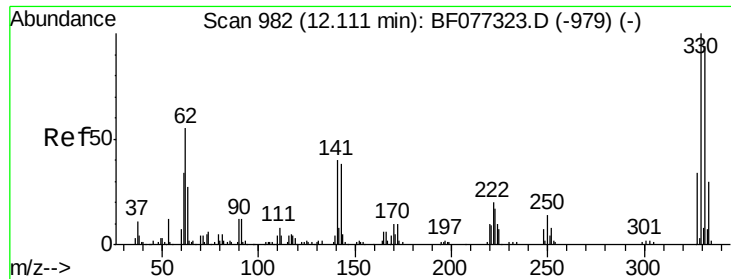


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

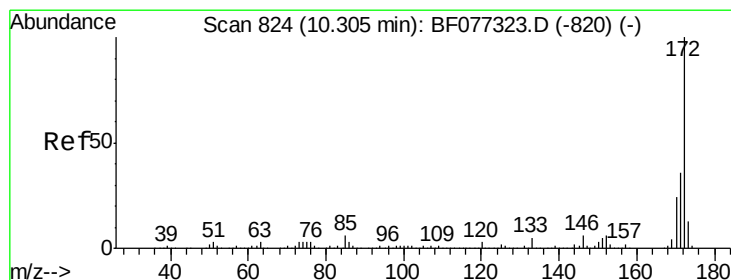
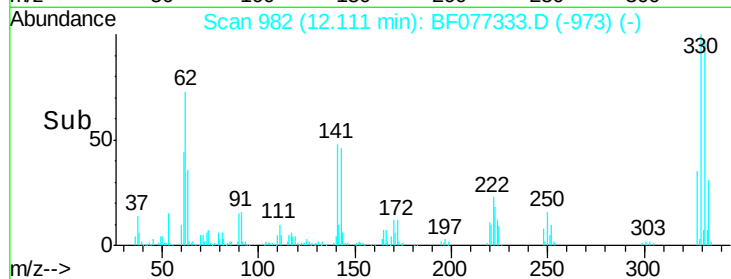
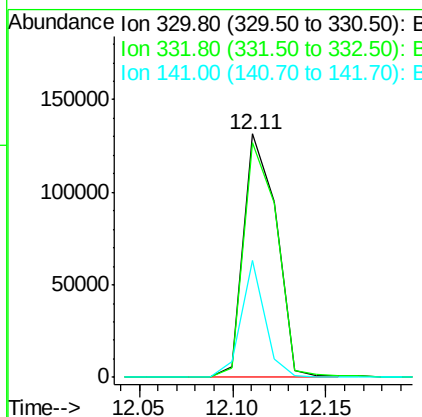
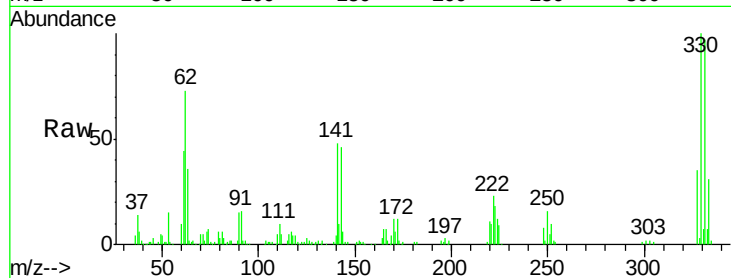




#41
 2,4,6-Tribromophenol
 Concen: 153.97 ng
 RT: 12.11 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF077333.D
 Acq: 18 Feb 2015 00:46

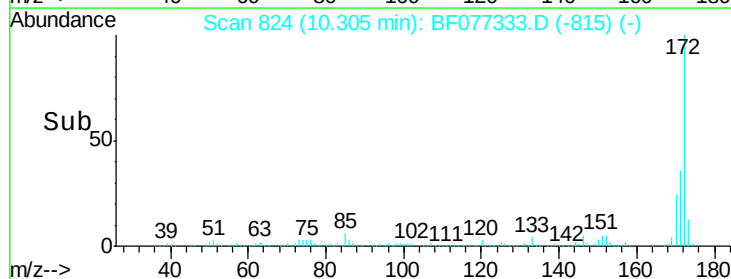
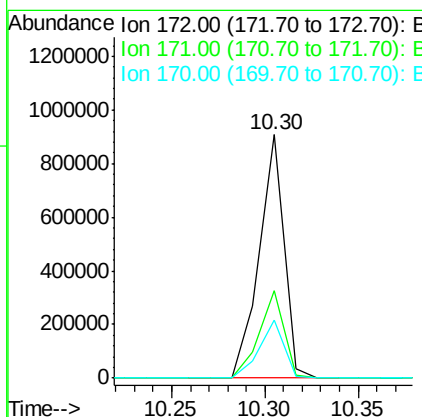
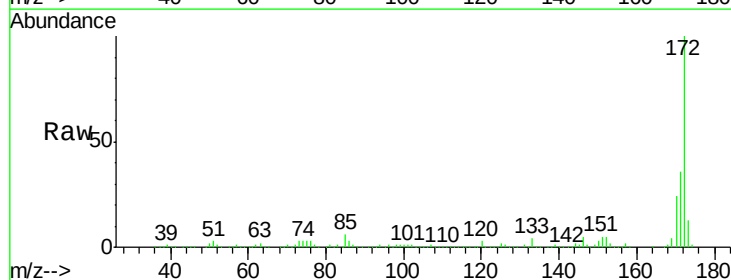
Instrument :
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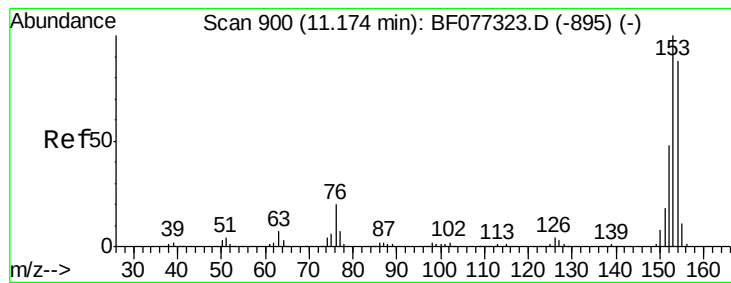
Tgt Ion:330 Resp: 163327
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.1 114.1
 141 34.7 28.5 42.7



#44
 2-Fluorobiphenyl
 Concen: 110.28 ng
 RT: 10.30 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF077333.D
 Acq: 18 Feb 2015 00:46

Tgt Ion:172 Resp: 831746
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.9 19.4 29.2





#51

Acenaphthene

Concen: 2.64 ng

RT: 11.17 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

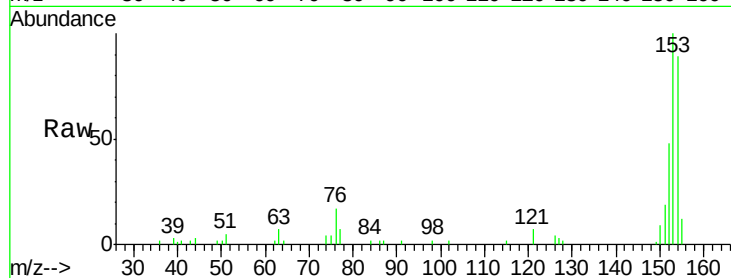
Tgt Ion:154 Resp: 17414

Ion Ratio Lower Upper

154 100

153 112.8 90.9 136.3

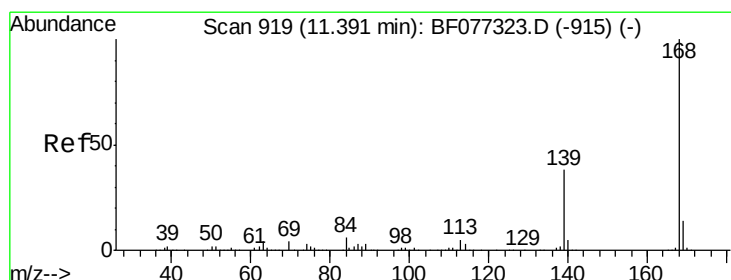
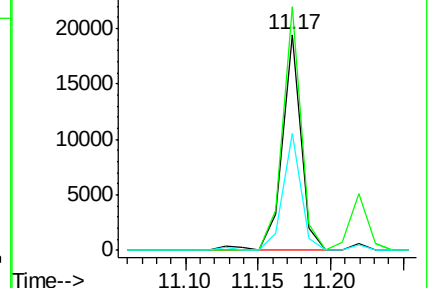
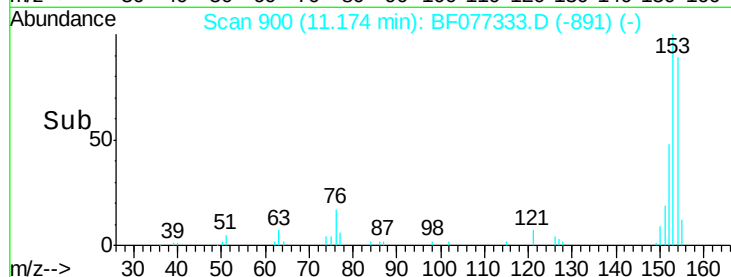
152 54.2 43.5 65.3



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: 2.18 ng

RT: 11.39 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

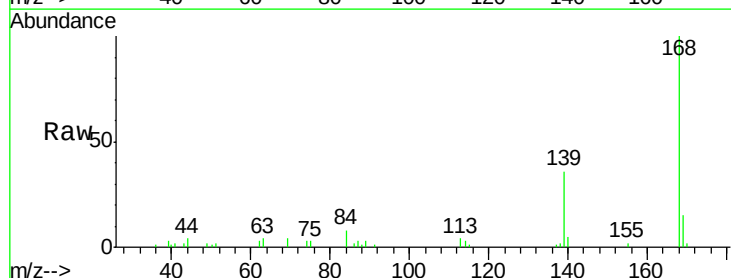
Tgt Ion:168 Resp: 21827

Ion Ratio Lower Upper

168 100

139 36.3 30.6 45.8

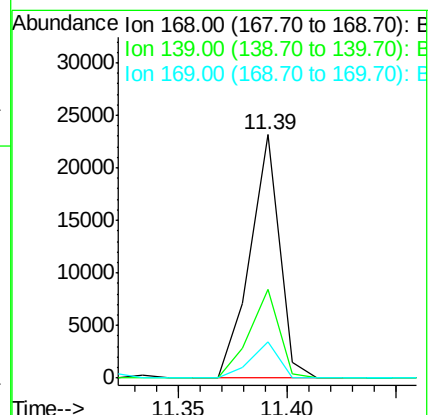
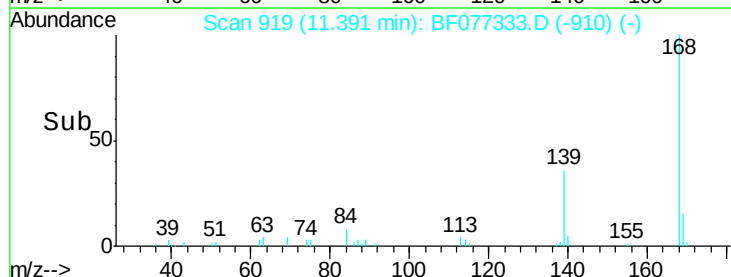
169 15.0 11.0 16.4

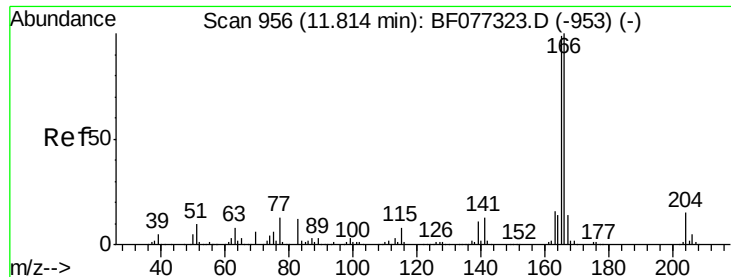


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

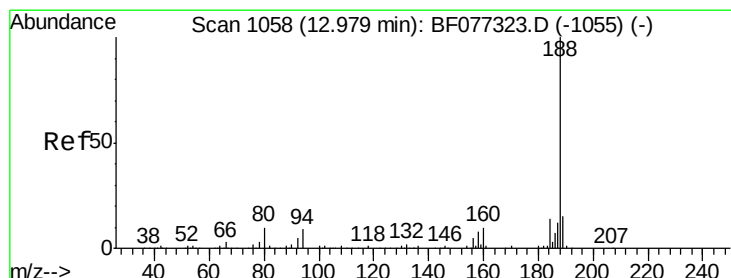
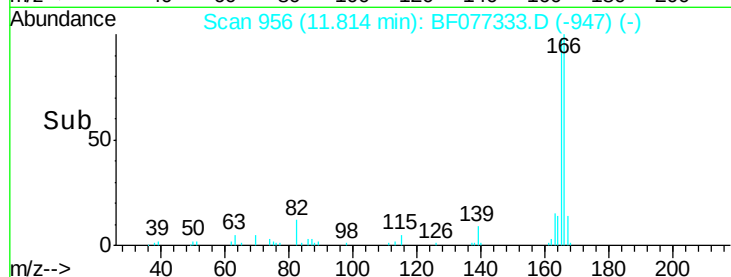
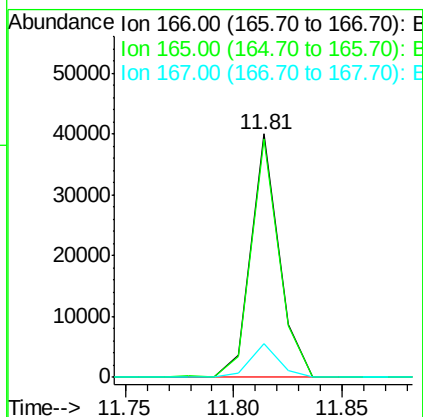
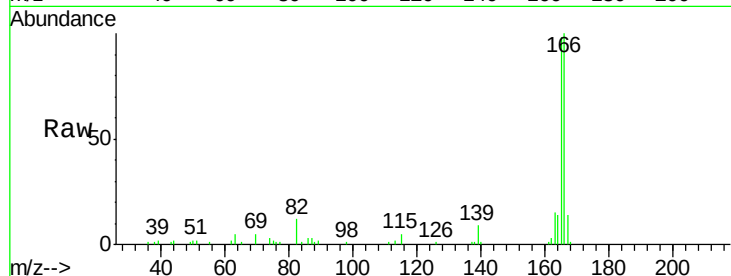




#57
Fluorene
 Concen: 4.58 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF077333.D
 Acq: 18 Feb 2015 00:46

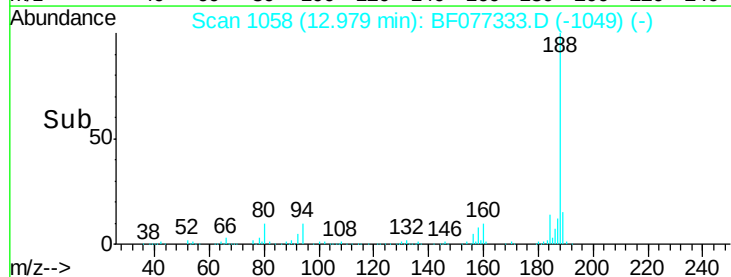
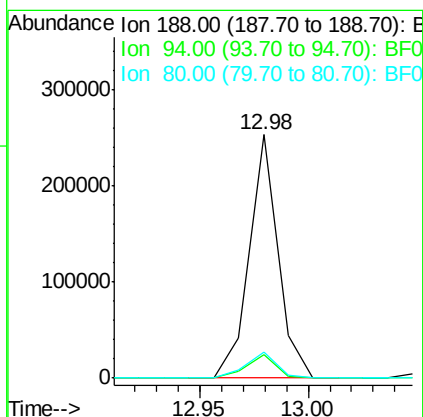
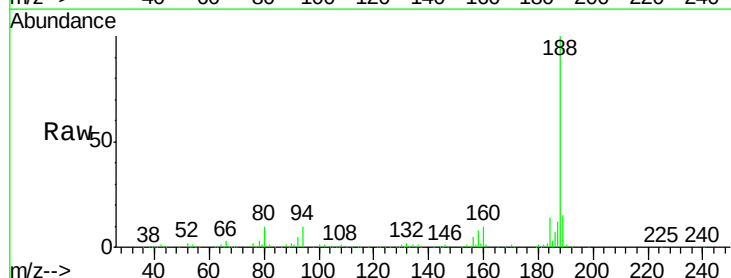
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

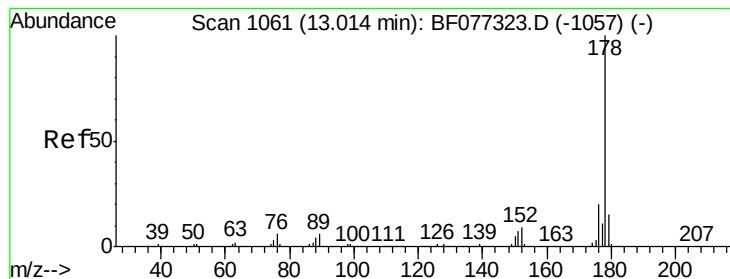
Tgt Ion:166 Resp: 35894
 Ion Ratio Lower Upper
 166 100
 165 98.0 79.2 118.8
 167 13.9 11.0 16.6



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.98 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BF077333.D
 Acq: 18 Feb 2015 00:46

Tgt Ion:188 Resp: 233242
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.2 10.8
 80 10.4 7.8 11.8





#70

Phenanthrene

Concen: 3.79 ng

RT: 13.01 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

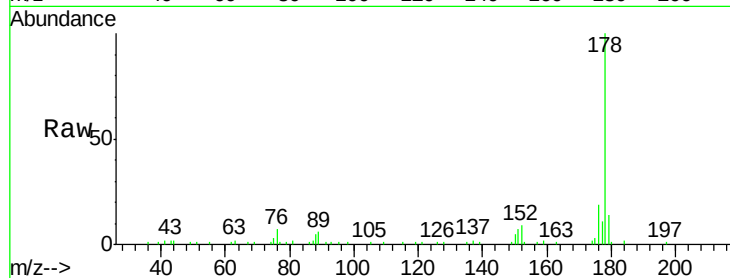
Tgt Ion:178 Resp: 51417

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

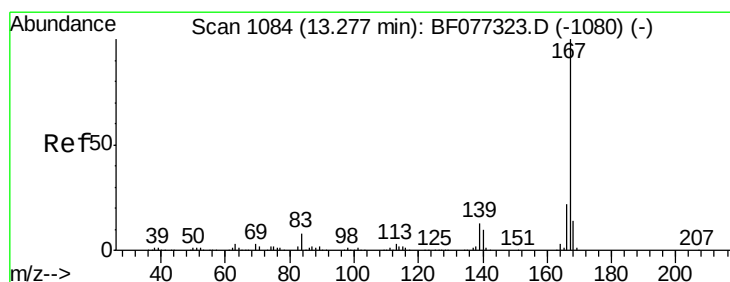
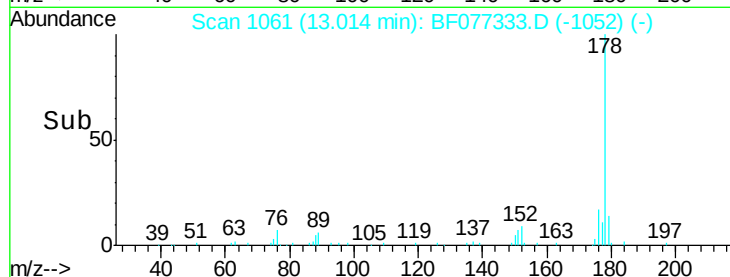
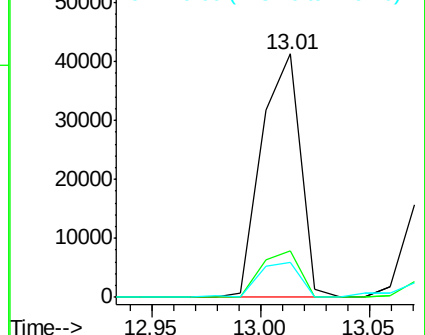
179 14.3 12.3 18.5



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: 30.39 ng

RT: 13.28 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

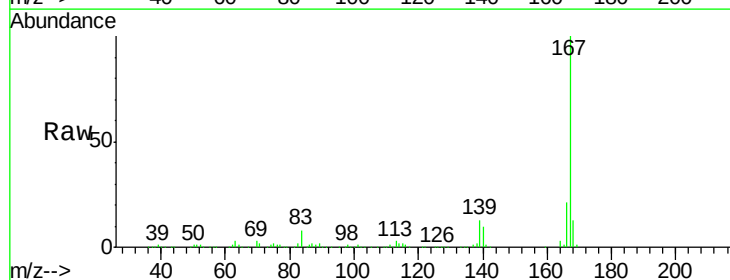
Tgt Ion:167 Resp: 360105

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

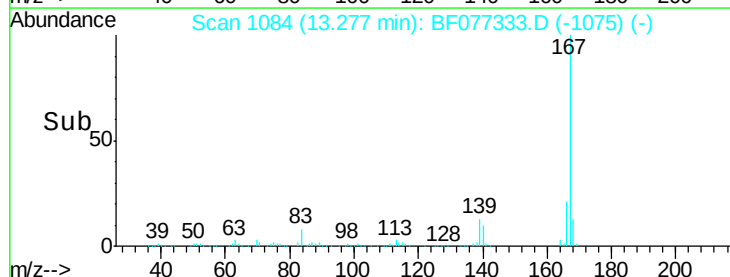
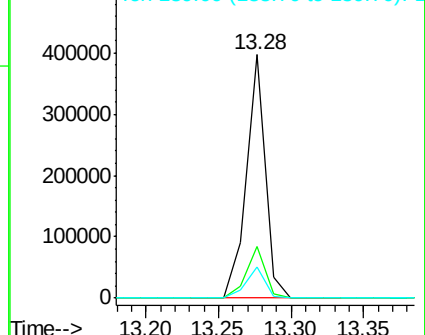
139 12.9 10.6 15.8

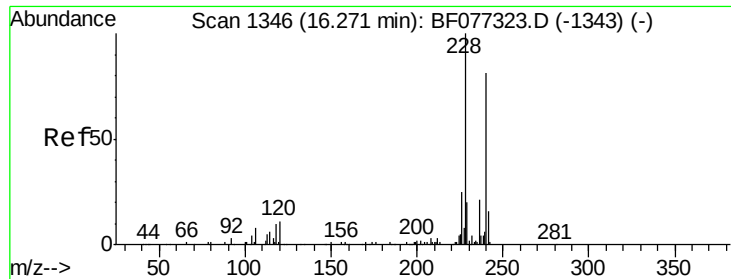


Abundance Ion 167.00 (166.70 to 167.70): E

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: 16.28 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

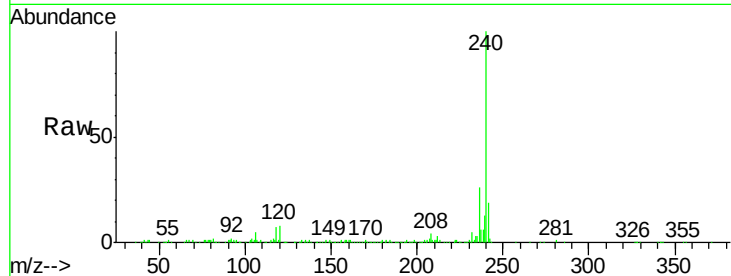
Tgt Ion:240 Resp: 225622

Ion Ratio Lower Upper

240 100

120 7.8 11.3 16.9#

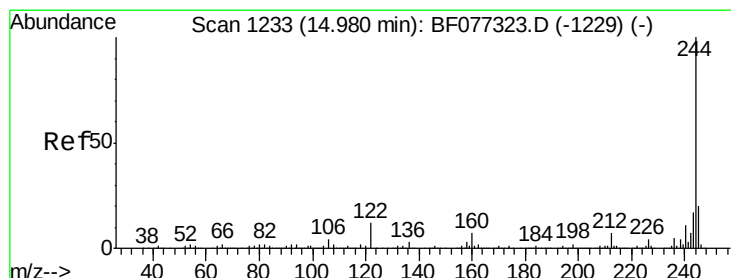
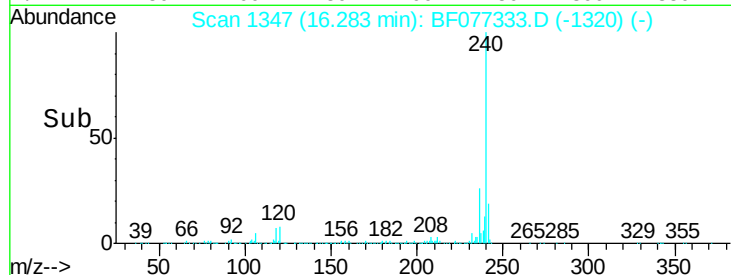
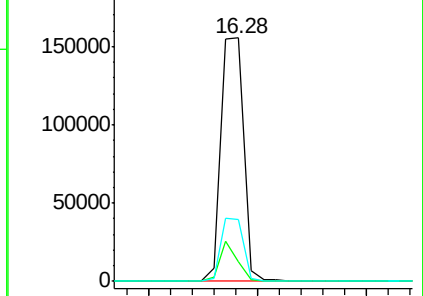
236 25.6 20.3 30.5



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: 91.55 ng

RT: 14.98 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BF077333.D

Acq: 18 Feb 2015 00:46

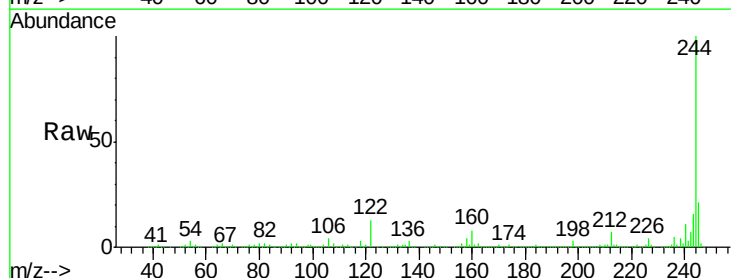
Tgt Ion:244 Resp: 908574

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

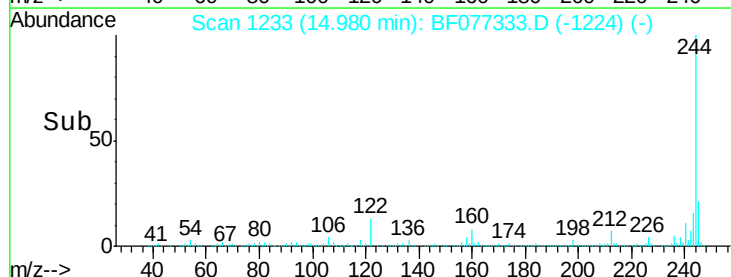
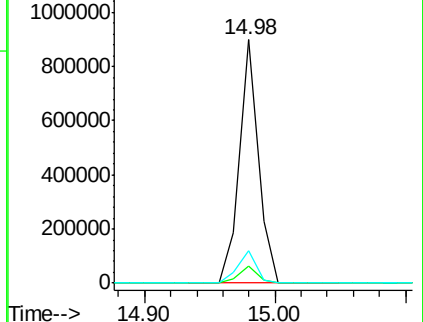
122 13.3 9.3 13.9

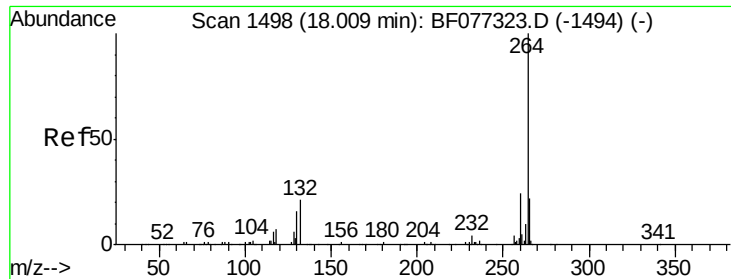


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.03 min Scan# 1500
Delta R.T. 0.02 min
Lab File: BF077333.D
Acq: 18 Feb 2015 00:46

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion: 264 Resp: 226414
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.7 17.7 26.5

