

Data Path : Z:\HPCHEM1\BNA_F\Data\BF021315\
 Data File : BF077307.D
 Acq On : 13 Feb 2015 14:33
 Operator : TP/IZ
 Sample : G1270-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-060-21015

Quant Time: Feb 16 10:11:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 13 13:10:36 2015
 Response via : Initial Calibration

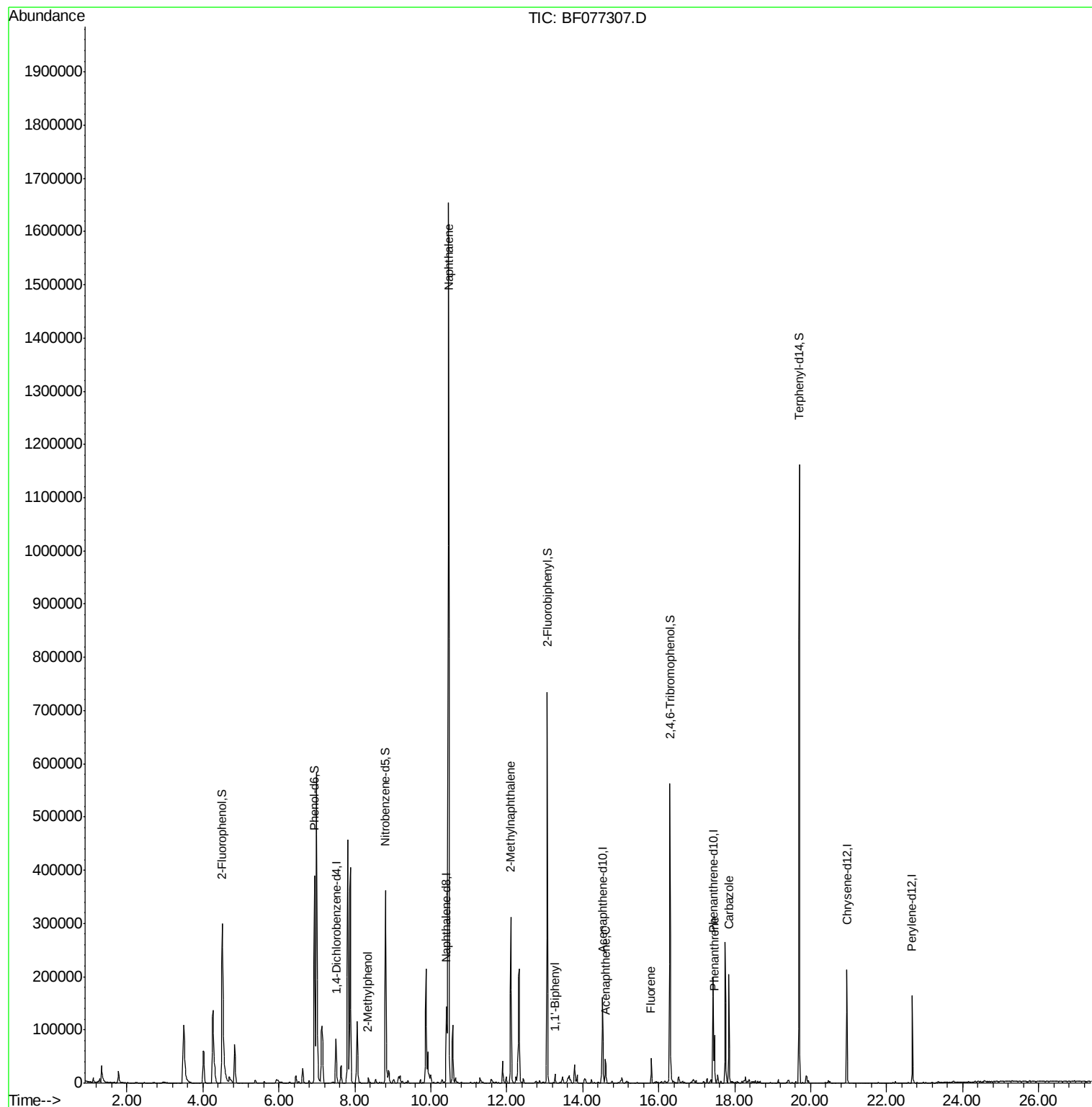
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	28463	20.00	ng	0.01
21) Naphthalene-d8	10.41	136	116399	20.00	ng	0.00
38) Acenaphthene-d10	14.52	164	57089	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	108772	20.00	ng	0.00
75) Chrysene-d12	20.96	240	101298	20.00	ng	0.00
86) Perylene-d12	22.67	264	92316	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	230744	126.30	ng	0.02
7) Phenol-d6	6.93	99	273162	121.26	ng	0.00
23) Nitrobenzene-d5	8.81	82	210488	103.29	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	81427	174.91	ng	-0.01
44) 2-Fluorobiphenyl	13.07	172	445803	117.53	ng	0.00
78) Terphenyl-d14	19.70	244	493312	109.39	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	8.35	107	5289m	3.31	ng	
31) Naphthalene	10.46	128	1328592	231.25	ng	99
37) 2-Methylnaphthalene	12.11	142	141649	32.89	ng	99
45) 1,1'-Biphenyl	13.28	154	10411	2.37	ng	100
51) Acenaphthene	14.59	154	20062	6.25	ng	98
57) Fluorene	15.80	166	23896	5.88	ng	100
70) Phenanthrene	17.47	178	50541	7.70	ng	99
72) Carbazole	17.85	167	100675	16.01	ng	99

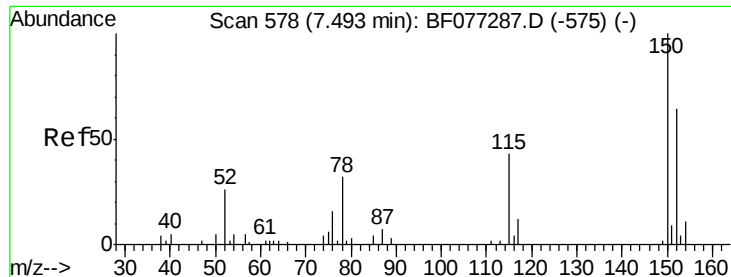
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 16 10:11:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 13 13:10:36 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

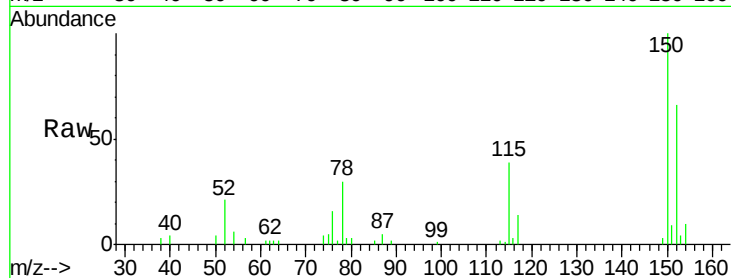
Tgt Ion:152 Resp: 28463

Ion Ratio Lower Upper

152 100

150 151.0 124.9 187.3

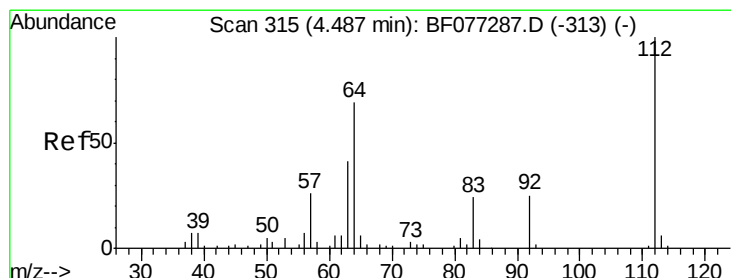
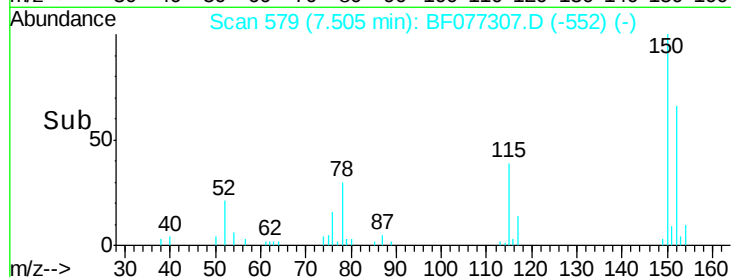
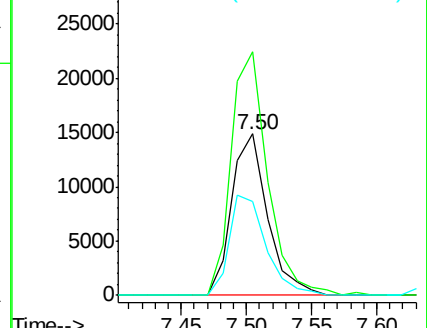
115 58.4 54.1 81.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 126.30 ng

RT: 4.51 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

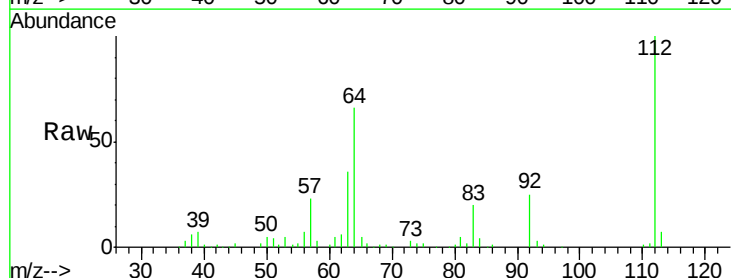
Tgt Ion:112 Resp: 230744

Ion Ratio Lower Upper

112 100

64 66.0 55.0 82.4

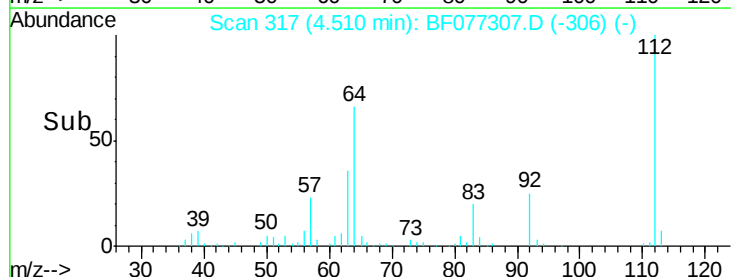
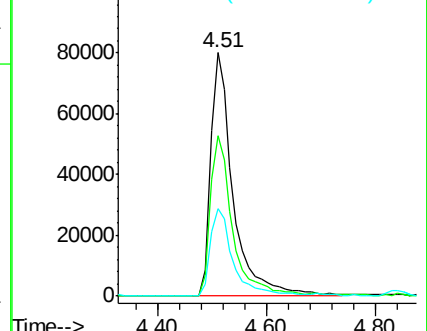
63 36.0 33.0 49.6

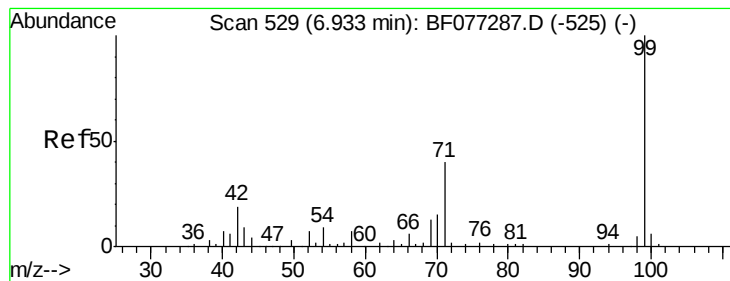


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.26 ng

RT: 6.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

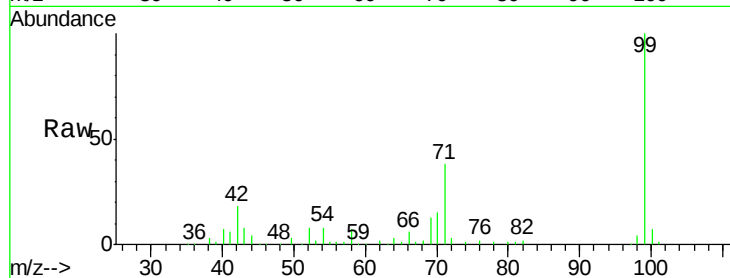
Tgt Ion: 99 Resp: 273162

Ion Ratio Lower Upper

99 100

42 18.1 15.0 22.4

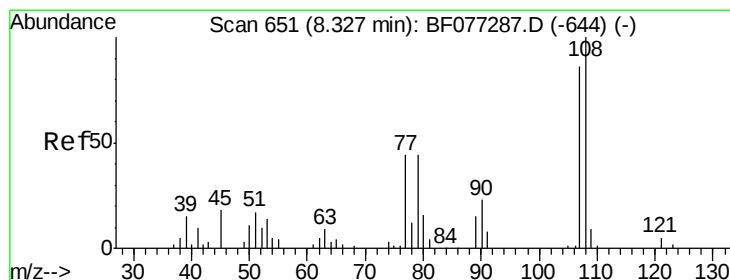
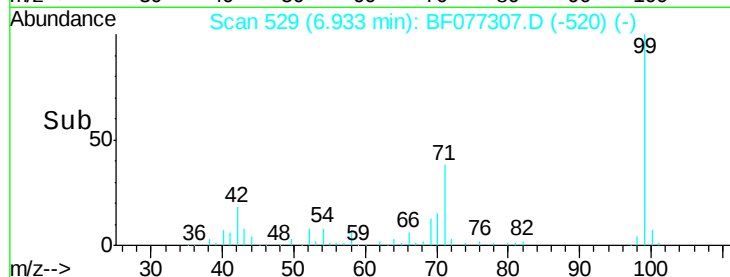
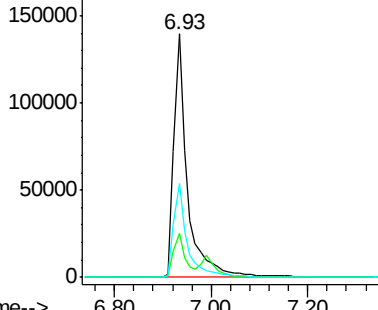
71 38.3 31.8 47.6



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



#17

2-Methylphenol

Concen: 3.31 ng m

RT: 8.35 min Scan# 653

Delta R.T. 0.02 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Tgt Ion: 107 Resp: 5289

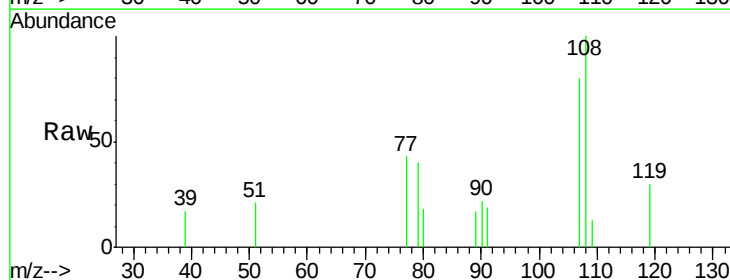
Ion Ratio Lower Upper

107 100

108 125.4 93.2 139.8

77 54.0 41.3 61.9

79 49.7 40.9 61.3

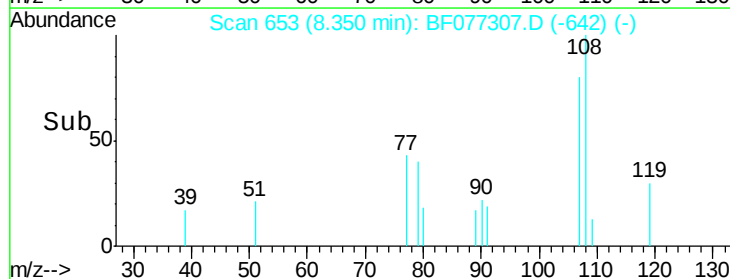
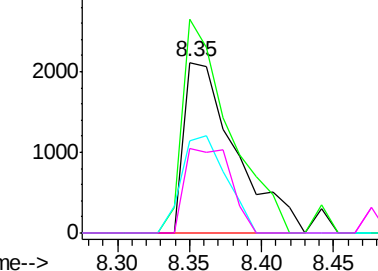


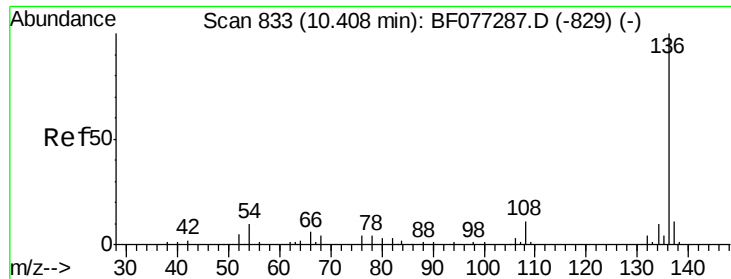
Abundance Ion 107.00 (106.70 to 107.70): E

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

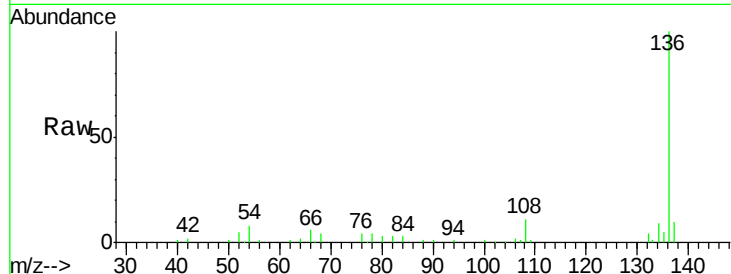




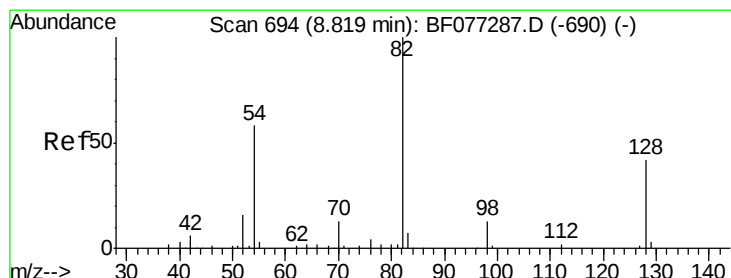
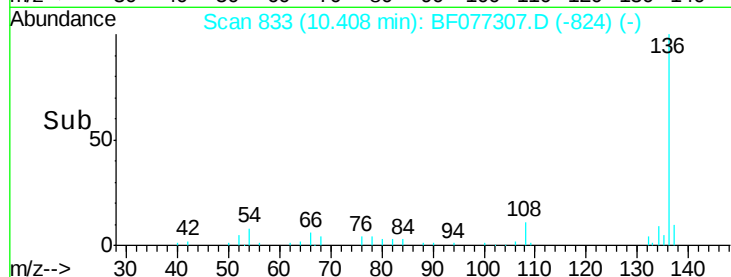
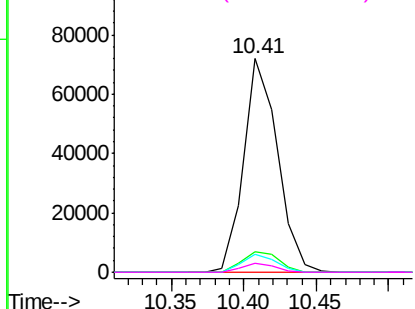
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.41 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF077307.D
Acq: 13 Feb 2015 14:33

Instrument :
BNA_F
ClientSampleId :
DCW-WC-060-21015

Tgt Ion:	136	Resp:	116399
Ion	Ratio	Lower	Upper
136	100		
137	9.6	8.7	13.1
54	8.5	8.2	12.2
68	4.2	3.1	4.7

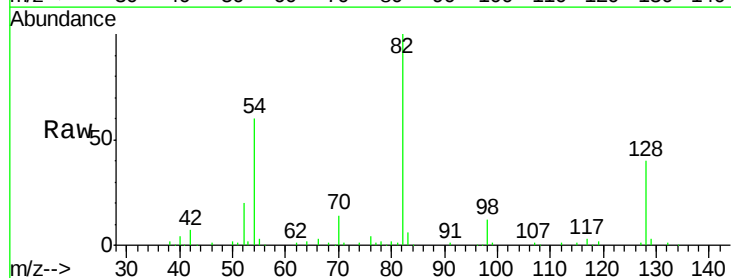


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

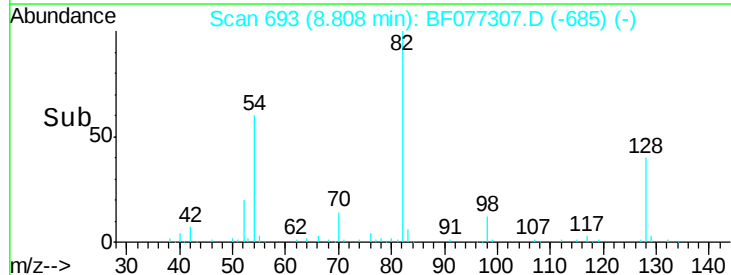
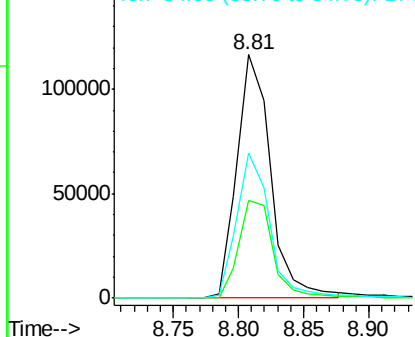


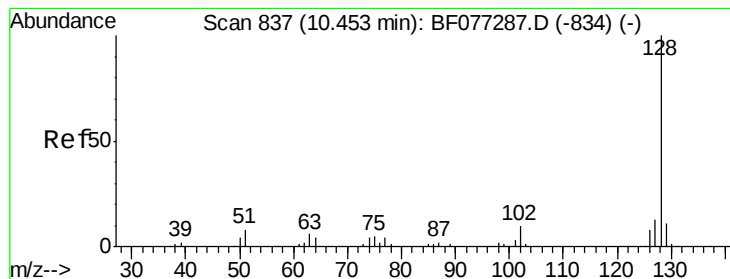
#23
Nitrobenzene-d5
Concen: 103.29 ng
RT: 8.81 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF077307.D
Acq: 13 Feb 2015 14:33

Tgt Ion:	82	Resp:	210488
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.6	50.4
54	59.7	46.2	69.2



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





#31

Naphthalene

Concen: 231.25 ng

RT: 10.46 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

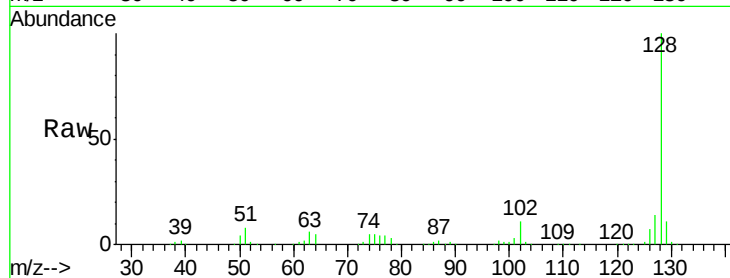
Tgt Ion:128 Resp: 1328592

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

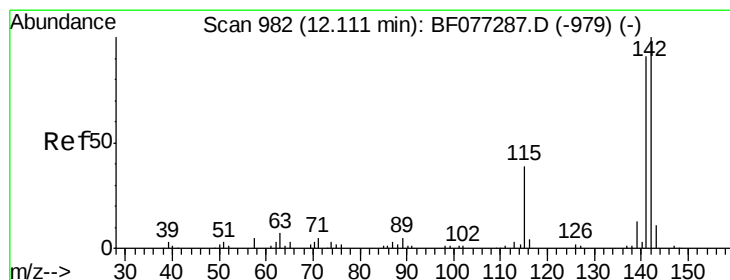
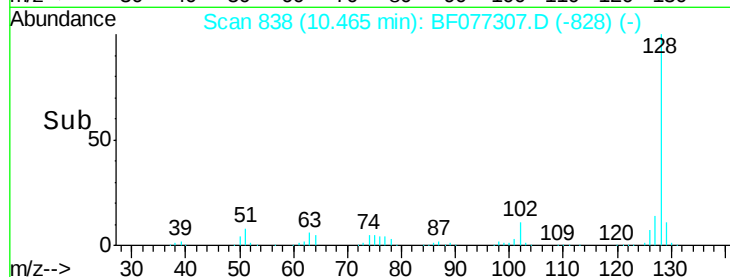
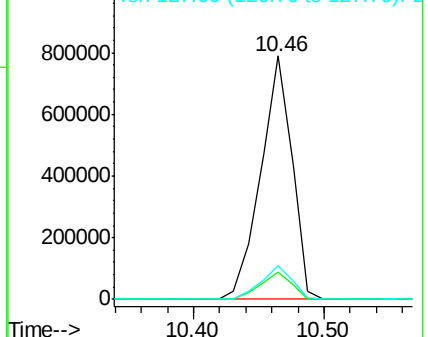
127 13.9 10.4 15.6



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: 32.89 ng

RT: 12.11 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

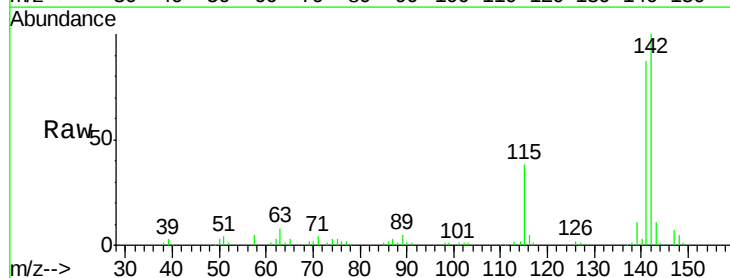
Tgt Ion:142 Resp: 141649

Ion Ratio Lower Upper

142 100

141 87.2 69.8 104.6

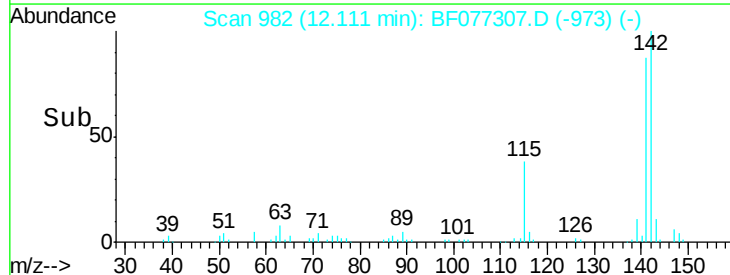
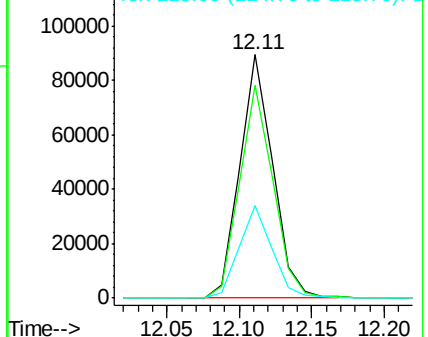
115 38.2 29.5 44.3

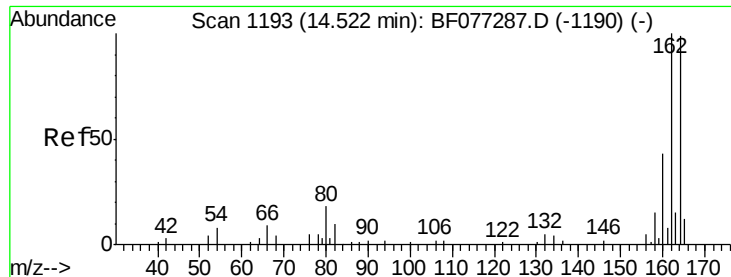


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.52 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

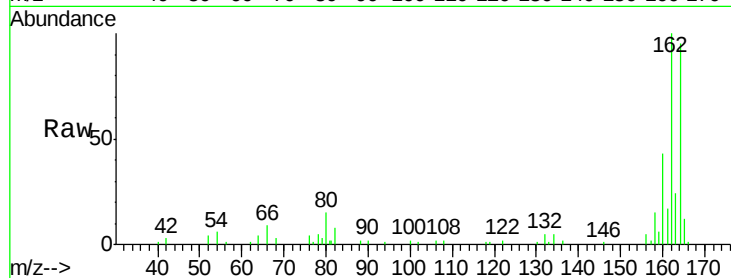
Tgt Ion:164 Resp: 57089

Ion Ratio Lower Upper

164 100

162 104.9 81.0 121.4

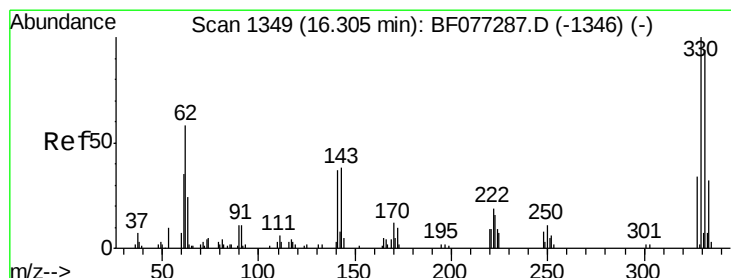
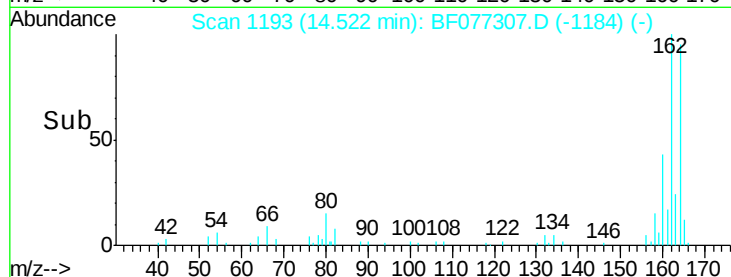
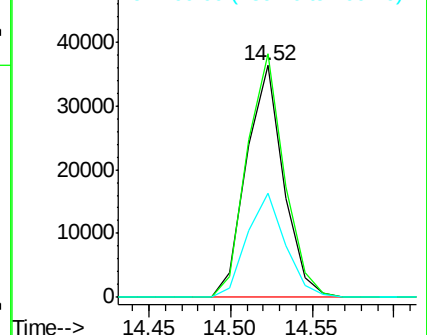
160 44.8 35.2 52.8



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: 174.91 ng

RT: 16.29 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

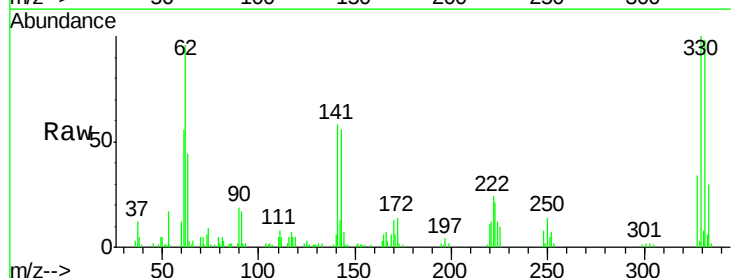
Tgt Ion:330 Resp: 81427

Ion Ratio Lower Upper

330 100

332 96.9 0.0 0.0#

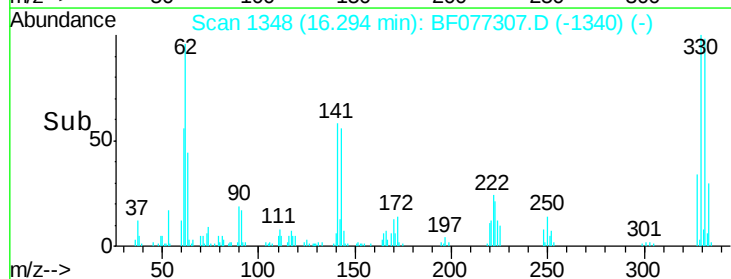
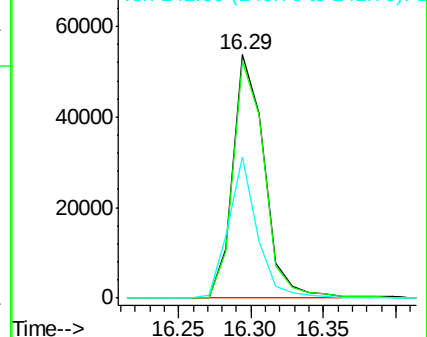
141 52.4 0.0 0.0#

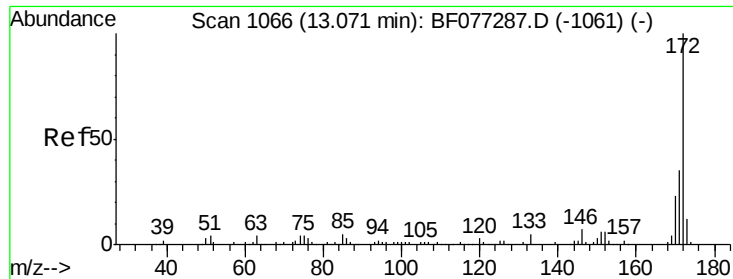


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

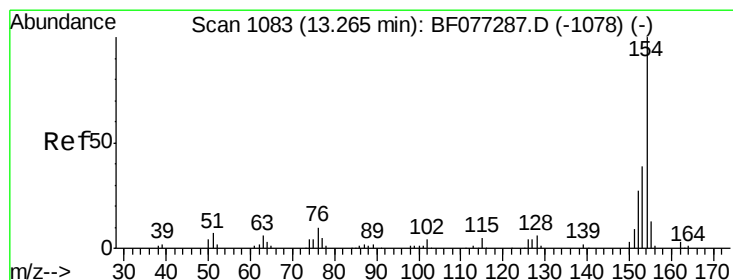
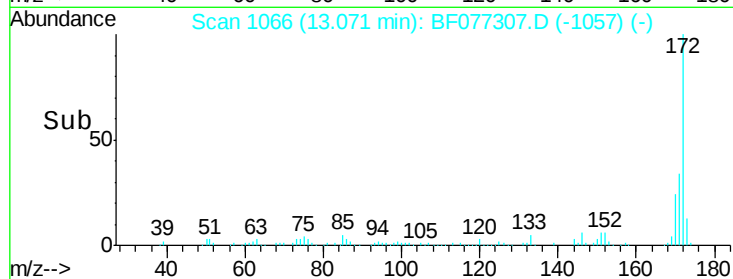
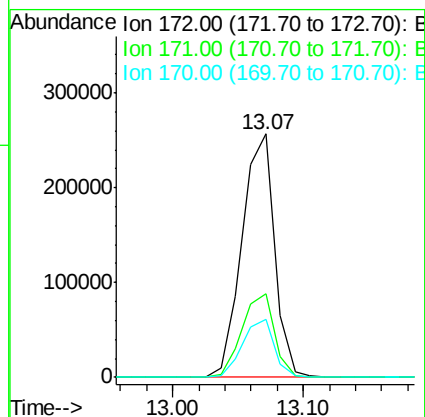
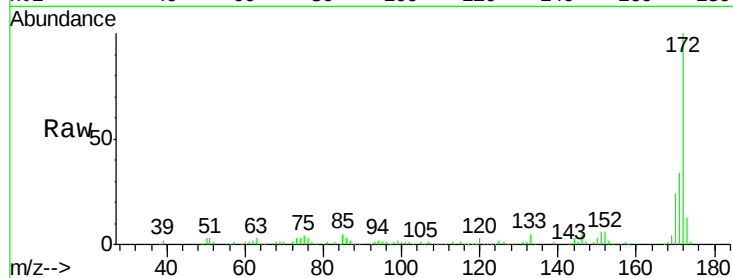




#44
 2-Fluorobiphenyl
 Concen: 117.53 ng
 RT: 13.07 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

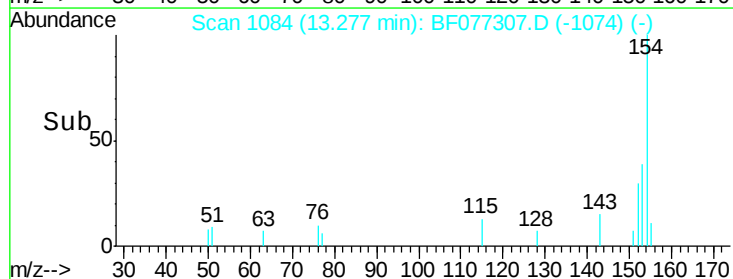
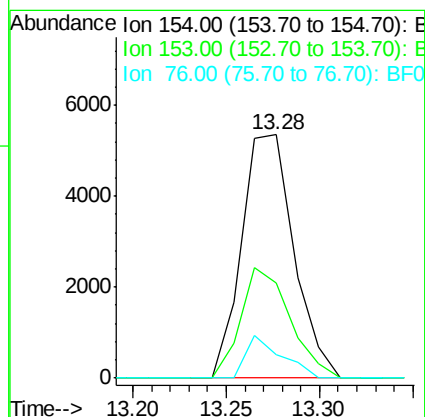
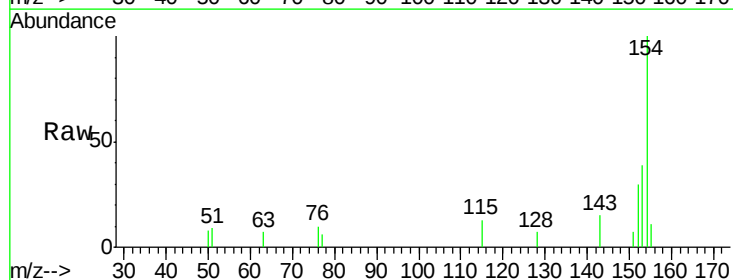
Instrument :
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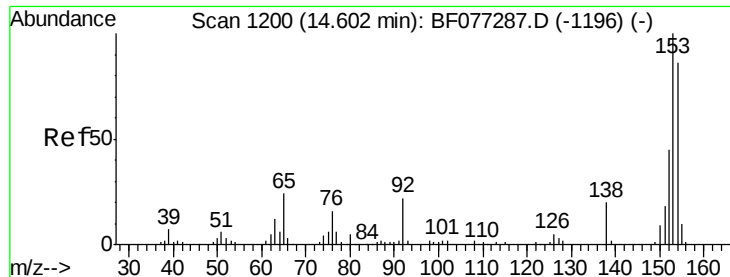
Tgt Ion:172 Resp: 445803
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.8 41.8
 170 23.7 18.3 27.5



#45
 1,1'-Biphenyl
 Concen: 2.37 ng
 RT: 13.28 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

Tgt Ion:154 Resp: 10411
 Ion Ratio Lower Upper
 154 100
 153 38.9 18.9 58.9
 76 9.8 0.0 30.4





#51

Acenaphthene

Concen: 6.25 ng

RT: 14.59 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

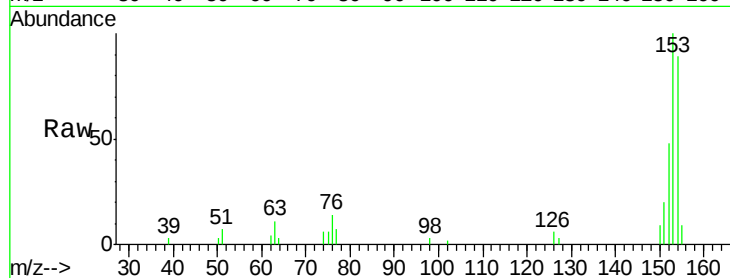
Tgt Ion:154 Resp: 20062

Ion Ratio Lower Upper

154 100

153 112.8 92.5 138.7

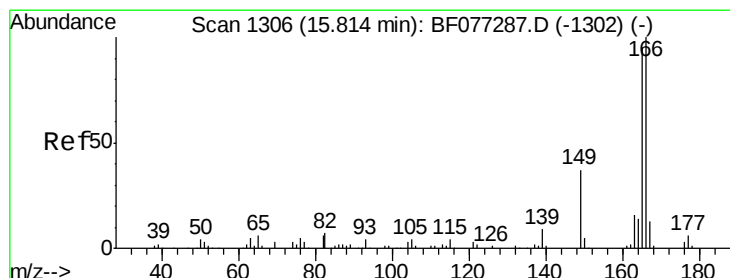
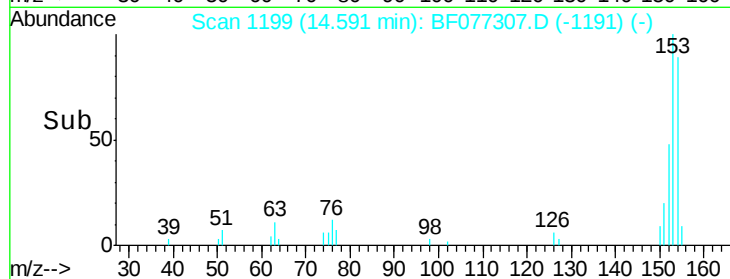
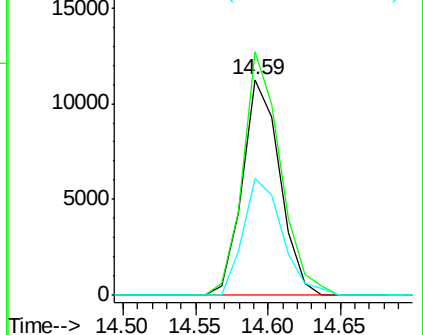
152 54.1 42.1 63.1



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



#57

Fluorene

Concen: 5.88 ng

RT: 15.80 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

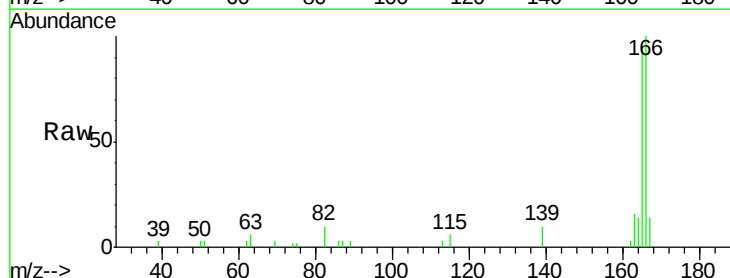
Tgt Ion:166 Resp: 23896

Ion Ratio Lower Upper

166 100

165 95.2 75.9 113.9

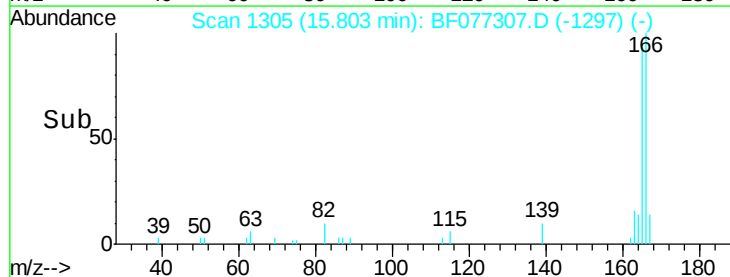
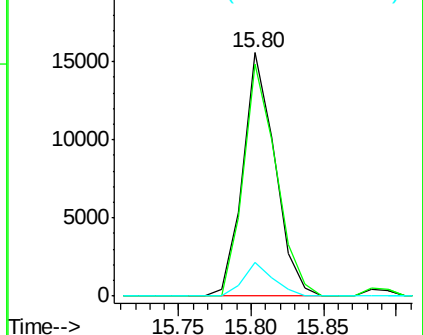
167 13.7 10.2 15.4

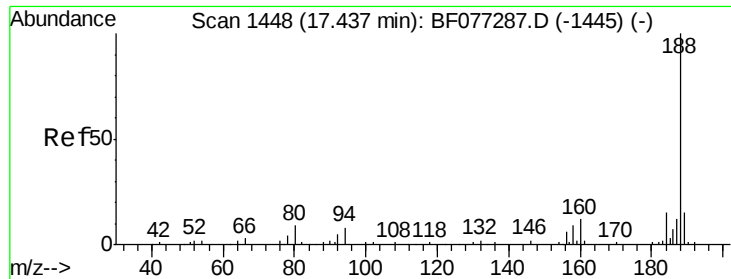


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

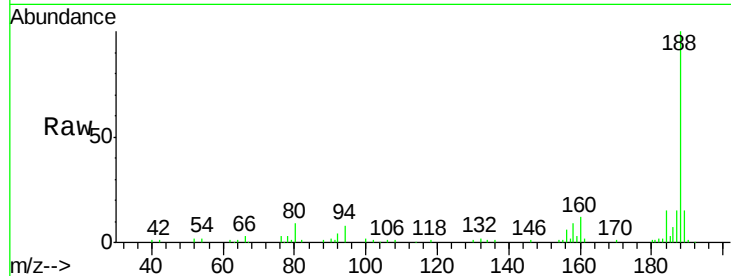




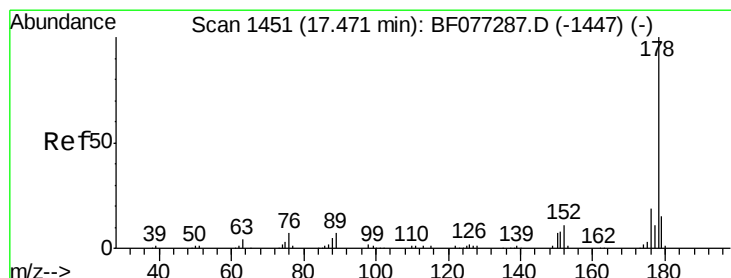
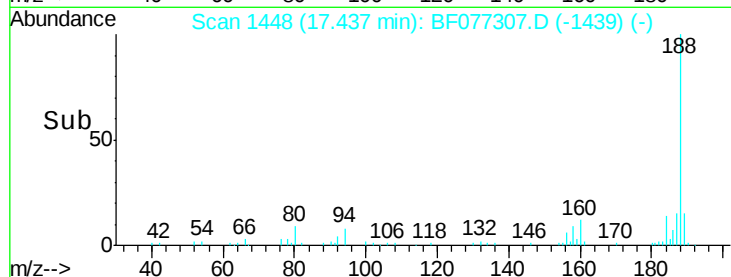
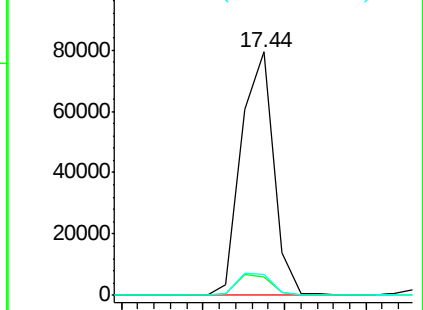
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.44 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-060-21015

Tgt Ion:188 Resp: 108772
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.5 9.7
 80 8.5 7.1 10.7

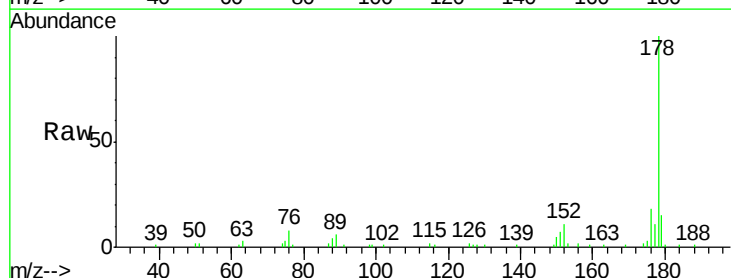


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

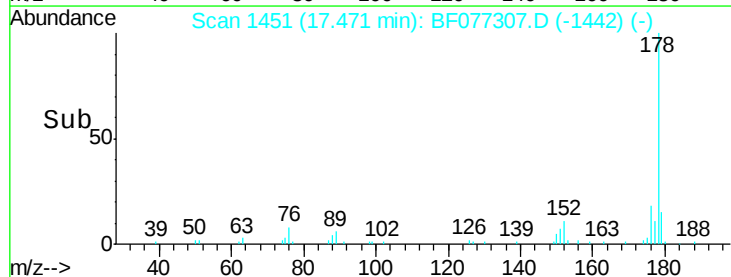
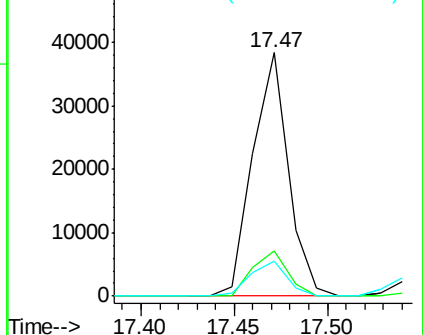


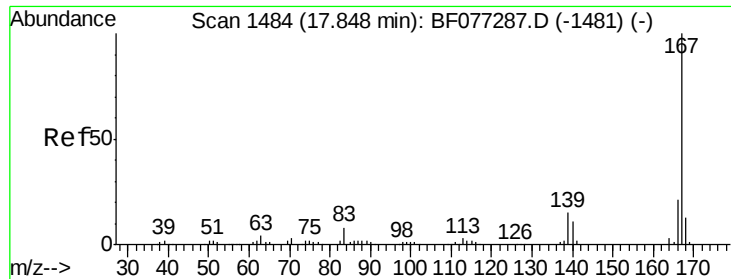
#70
 Phenanthrene
 Concen: 7.70 ng
 RT: 17.47 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

Tgt Ion:178 Resp: 50541
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.2 22.8
 179 14.6 12.1 18.1



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: 16.01 ng

RT: 17.85 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

Instrument :

BNA_F

ClientSampleId :

DCW-WC-060-21015

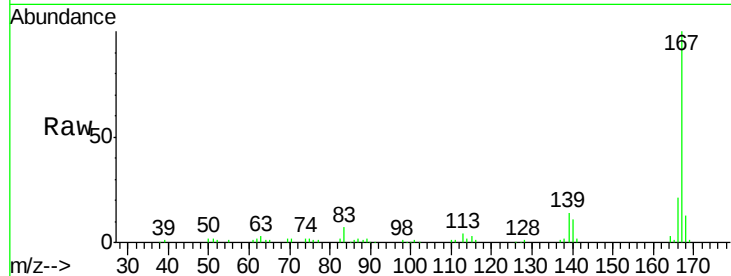
Tgt Ion:167 Resp: 100675

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

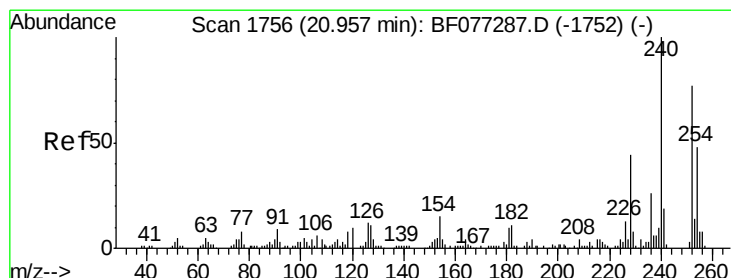
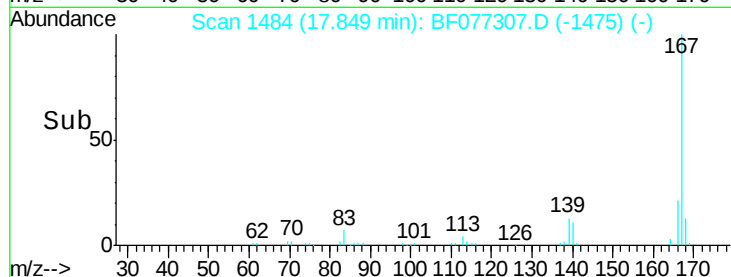
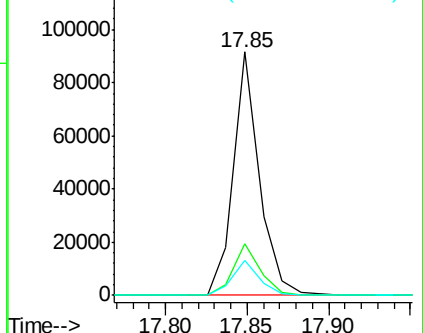
139 14.1 11.7 17.5



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: 20.96 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF077307.D

Acq: 13 Feb 2015 14:33

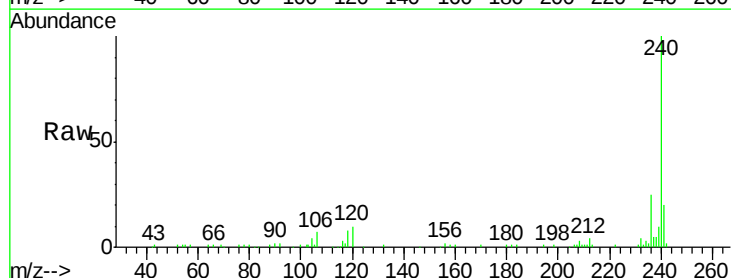
Tgt Ion:240 Resp: 101298

Ion Ratio Lower Upper

240 100

120 9.6 7.8 11.8

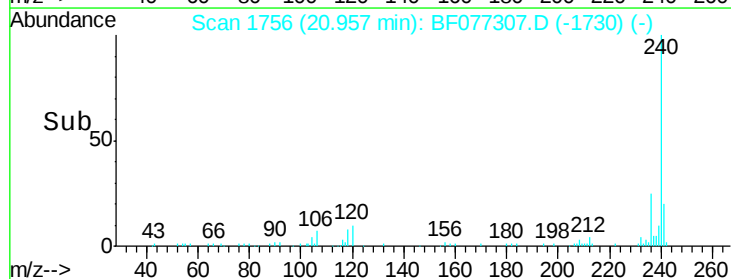
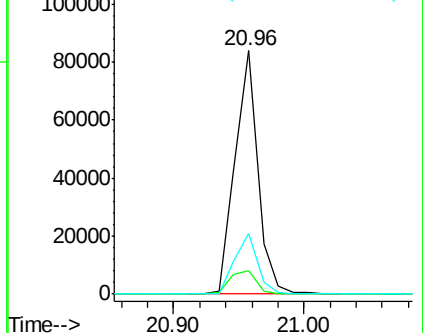
236 24.7 20.4 30.6

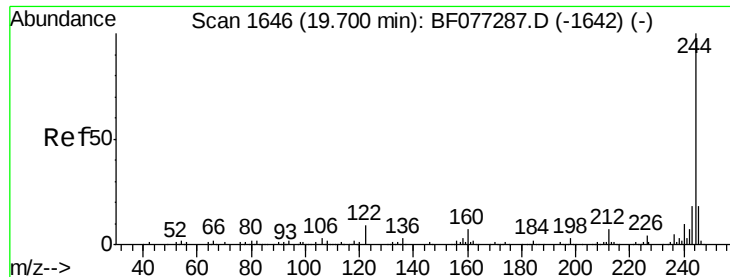


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

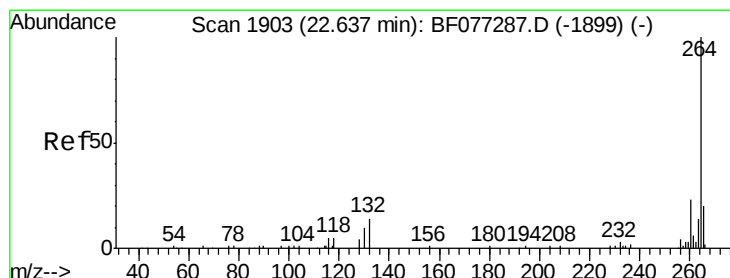
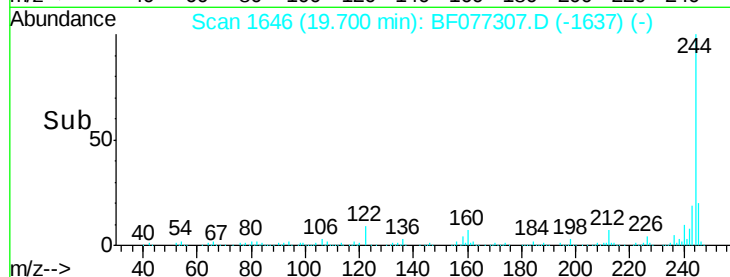
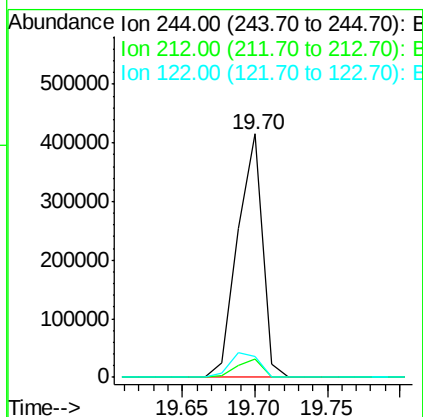
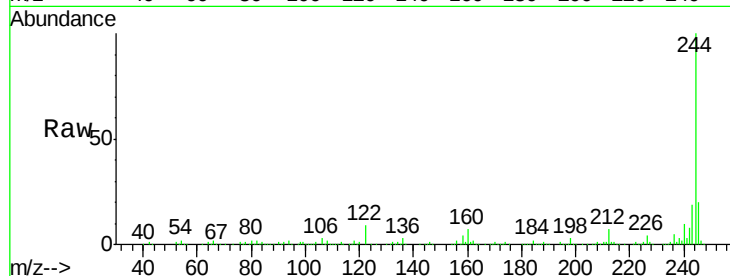




#78
 Terphenyl-d14
 Concen: 109.39 ng
 RT: 19.70 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-060-21015

Tgt Ion:244 Resp: 493312
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 8.8 7.0 10.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.67 min Scan# 1906
 Delta R.T. 0.03 min
 Lab File: BF077307.D
 Acq: 13 Feb 2015 14:33

Tgt Ion:264 Resp: 92316
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.8 16.2 24.2

