

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022015\
 Data File : BF077387.D
 Acq On : 20 Feb 2015 17:46
 Operator : TP/IZ
 Sample : G1295-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 21 00:59:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 20 23:55:25 2015
 Response via : Initial Calibration

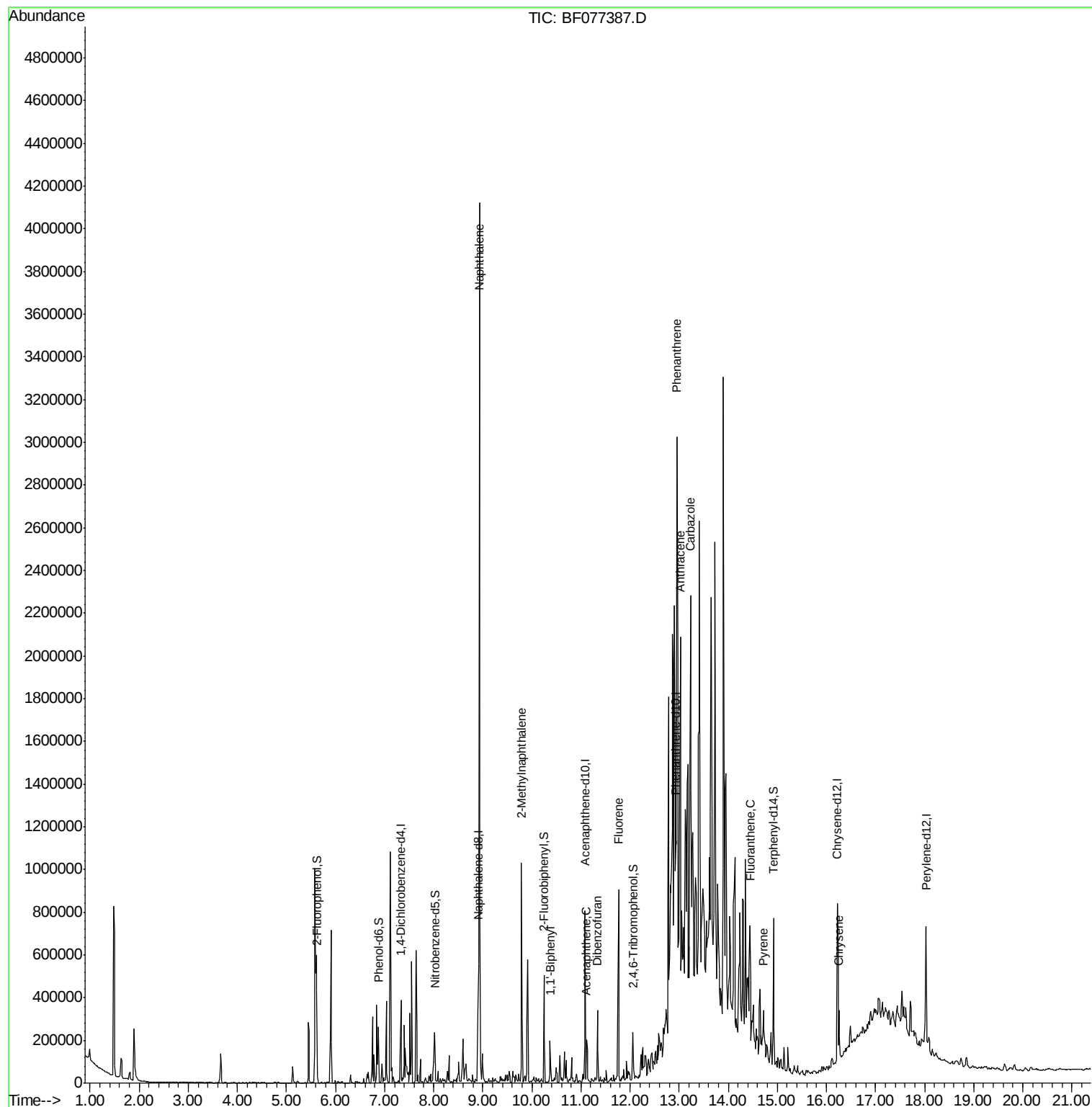
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	72298	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	296112	20.00	ng	0.00
38) Acenaphthene-d10	11.08	164	154175	20.00	ng	0.00
63) Phenanthrene-d10	12.93	188	299011	20.00	ng	0.00
75) Chrysene-d12	16.23	240	331984	20.00	ng	0.00
86) Perylene-d12	18.03	264	332578	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	92812	21.43	ng	0.00
7) Phenol-d6	6.88	99	126297	22.68	ng	0.00
23) Nitrobenzene-d5	8.02	82	67456	14.17	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	28792	19.39	ng	0.00
44) 2-Fluorobiphenyl	10.25	172	170363	17.23	ng	-0.01
78) Terphenyl-d14	14.92	244	214945	15.14	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.93	128	1813952	122.50	ng	98
37) 2-Methylnaphthalene	9.79	142	286943	27.29	ng	97
45) 1,1'-Biphenyl	10.37	154	42204	3.61	ng	97
51) Acenaphthene	11.12	154	58992	6.82	ng	96
54) Dibenzofuran	11.33	168	148519	11.12	ng	99
57) Fluorene	11.77	166	314323	29.42	ng	98
70) Phenanthrene	12.96	178	865899	49.96	ng	99
71) Anthracene	13.03	178	652701	37.95	ng	100
72) Carbazole	13.23	167	750432	45.89	ng	99
74) Fluoranthene	14.44	202	153125	8.09	ng	95
77) Pyrene	14.72	202	104755	5.16	ng	97
82) Chrysene	16.26	228	93467	5.12	ng	99

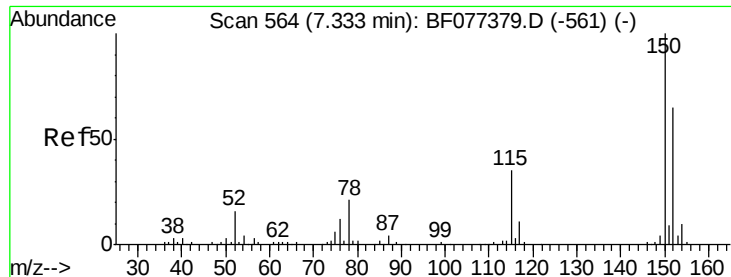
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

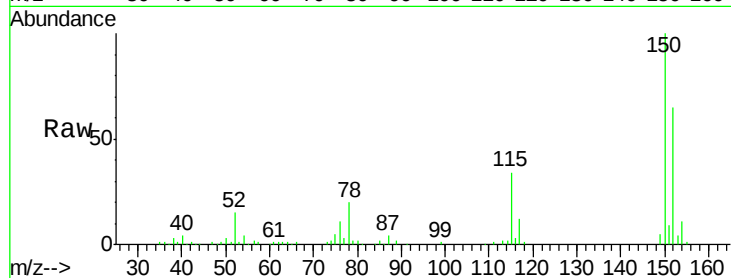
Tgt Ion:152 Resp: 72298

Ion Ratio Lower Upper

152 100

150 153.0 124.0 186.0

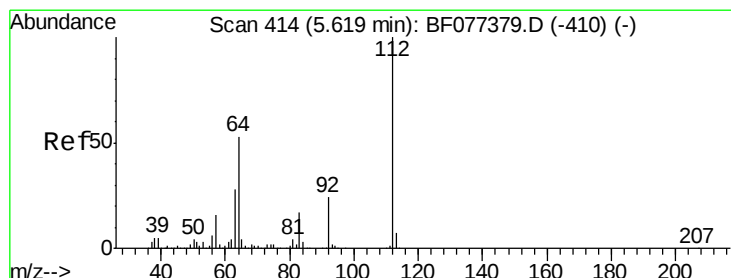
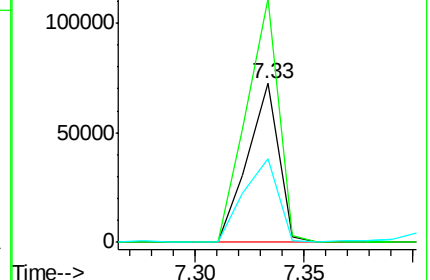
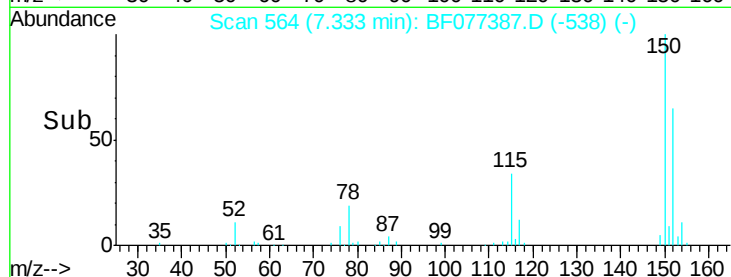
115 52.7 49.4 74.2



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: 21.43 ng

RT: 5.62 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

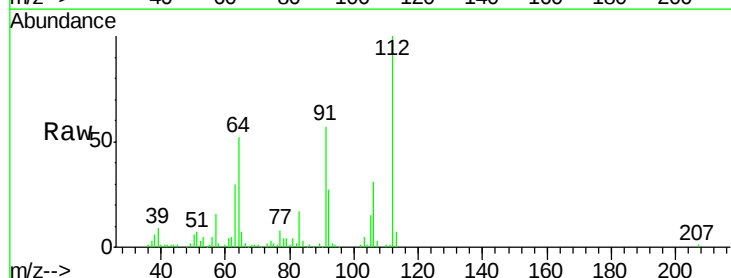
Tgt Ion:112 Resp: 92812

Ion Ratio Lower Upper

112 100

64 52.4 48.5 72.7

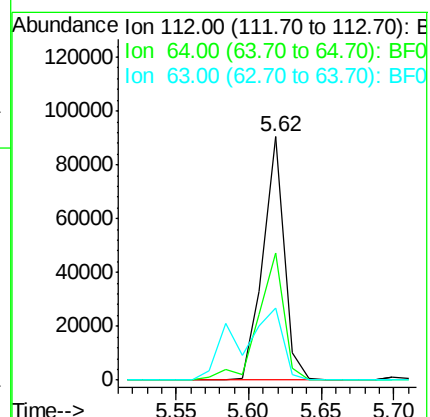
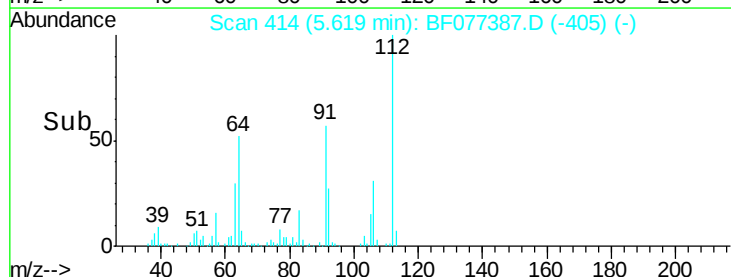
63 29.6 25.0 37.4



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: 22.68 ng

RT: 6.88 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

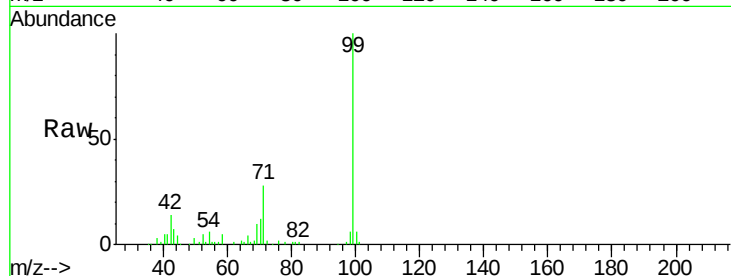
Tgt Ion: 99 Resp: 126297

Ion Ratio Lower Upper

99 100

42 14.0 16.2 24.4#

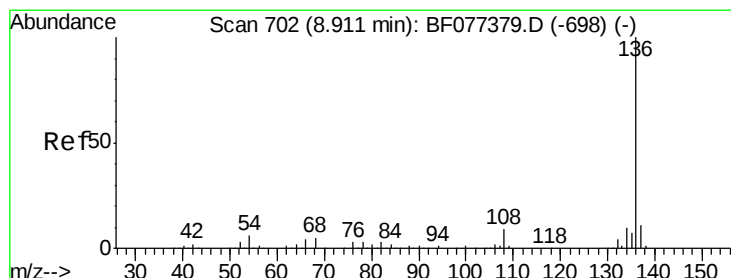
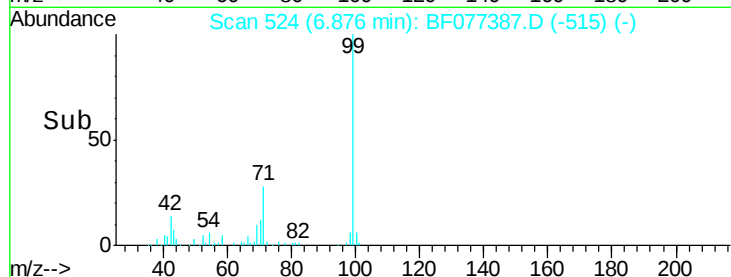
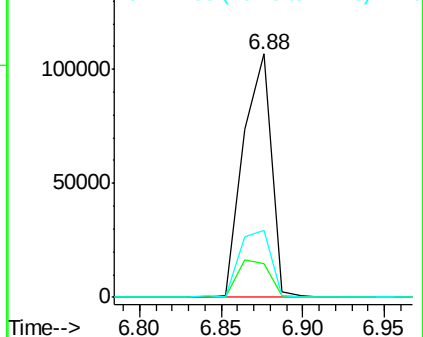
71 27.7 26.7 40.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.91 min Scan# 702

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Tgt Ion: 136 Resp: 296112

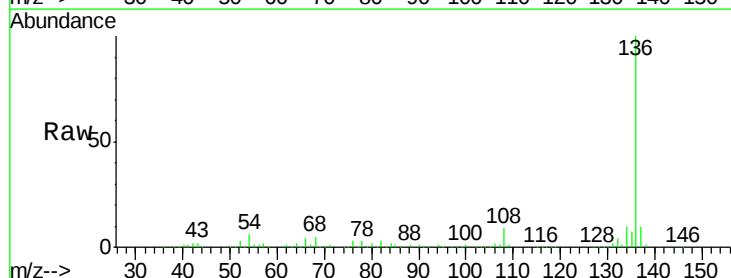
Ion Ratio Lower Upper

136 100

137 10.1 8.6 13.0

54 6.2 6.2 9.4#

68 4.8 5.0 7.6#

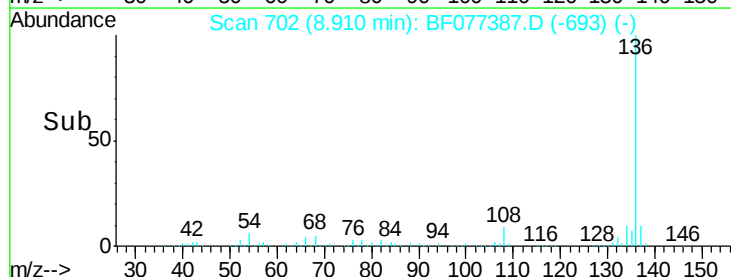
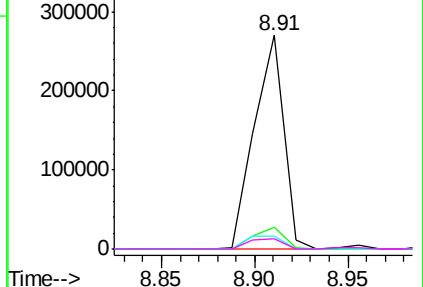


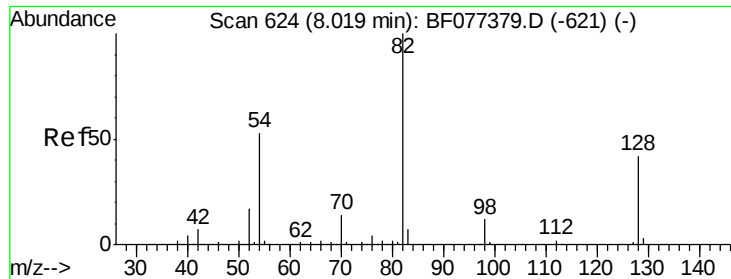
Abundance Ion 136.00 (135.70 to 136.70): E

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

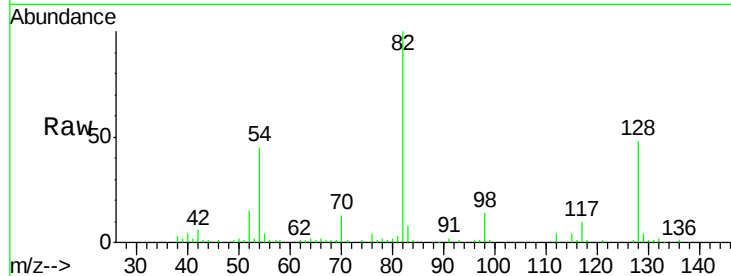




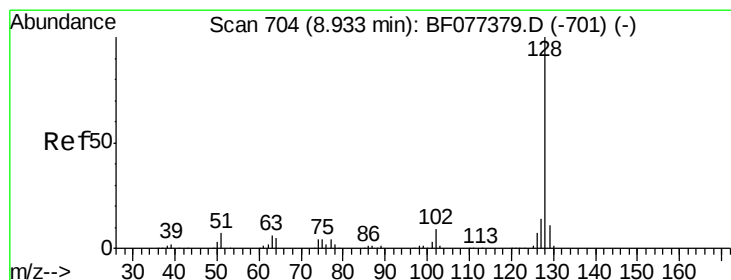
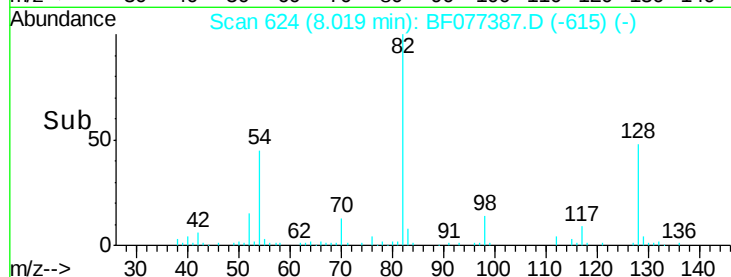
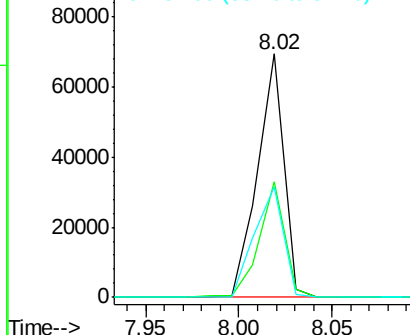
#23
Nitrobenzene-d5
Concen: 14.17 ng
RT: 8.02 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF077387.D
Acq: 20 Feb 2015 17:46

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

Tgt Ion: 82 Resp: 67456
Ion Ratio Lower Upper
82 100
128 47.6 43.8 65.8
54 45.5 36.7 55.1

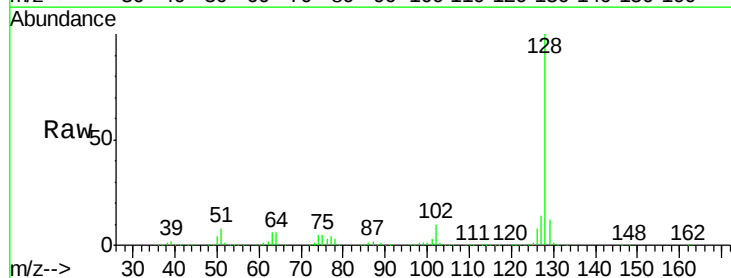


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

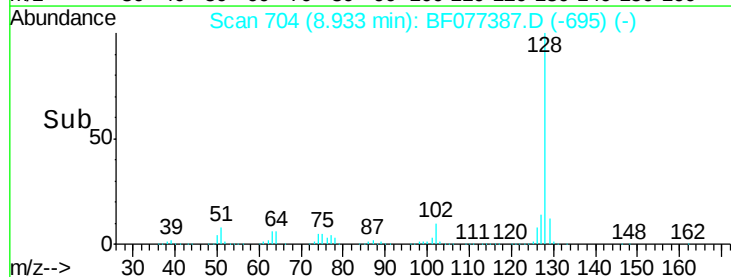
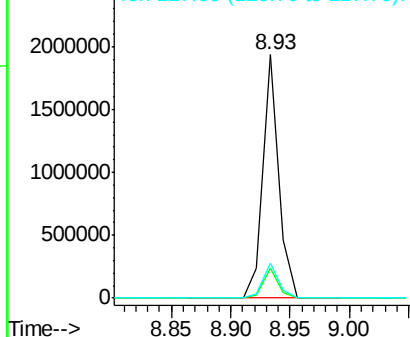


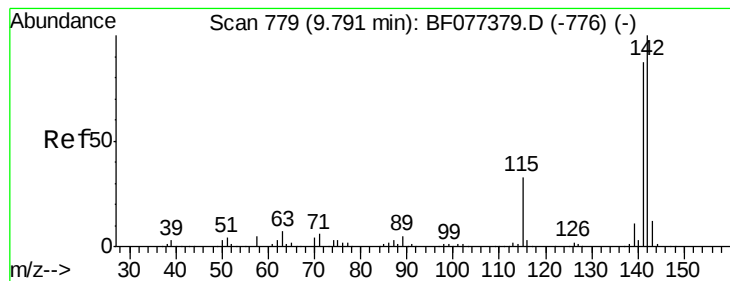
#31
Naphthalene
Concen: 122.50 ng
RT: 8.93 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF077387.D
Acq: 20 Feb 2015 17:46

Tgt Ion: 128 Resp: 1813952
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.0
127 14.2 10.6 15.8



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

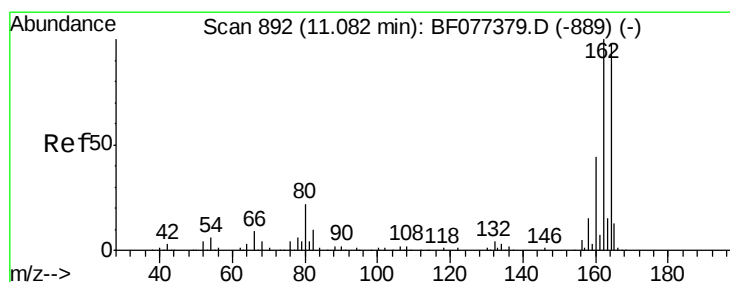
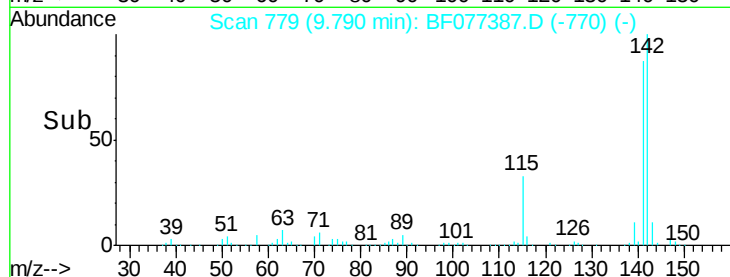
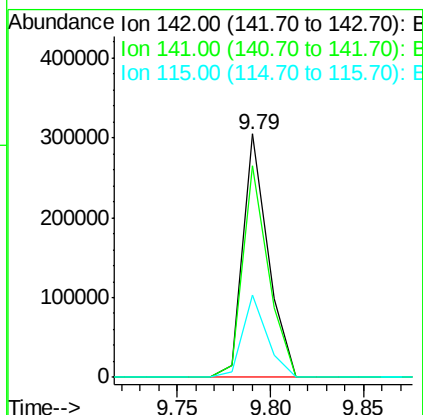
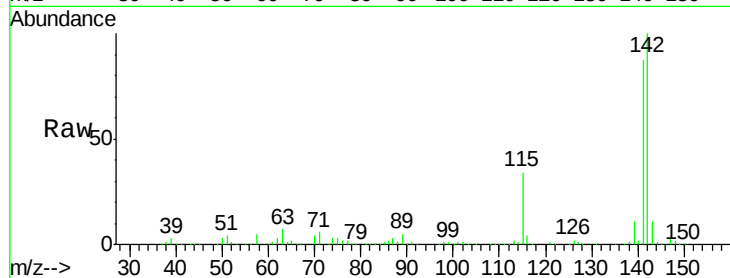




#37
 2-Methylnaphthalene
 Concen: 27.29 ng
 RT: 9.79 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

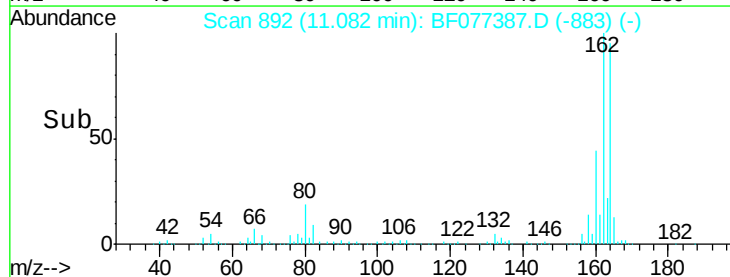
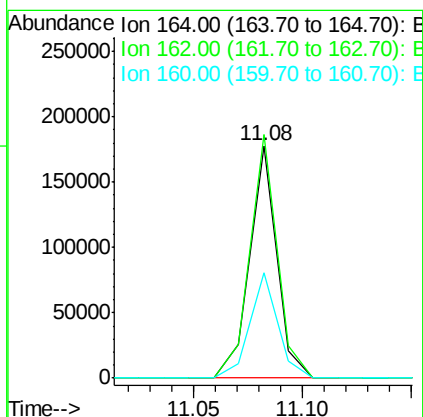
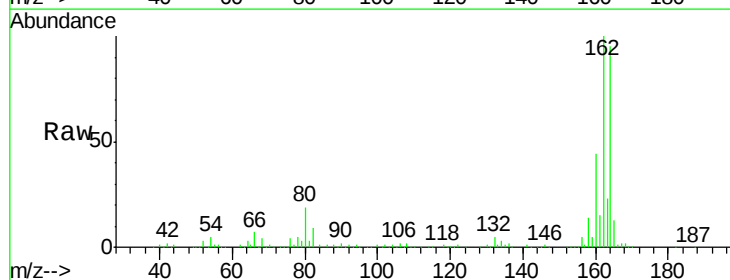
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

Tgt Ion:142 Resp: 286943
 Ion Ratio Lower Upper
 142 100
 141 87.0 70.7 106.1
 115 33.7 24.2 36.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

Tgt Ion:164 Resp: 154175
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.2 124.8
 160 45.6 34.6 52.0

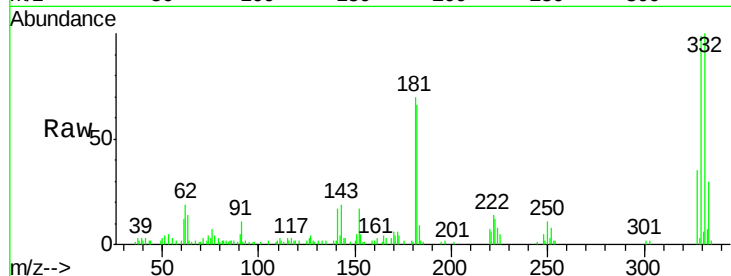




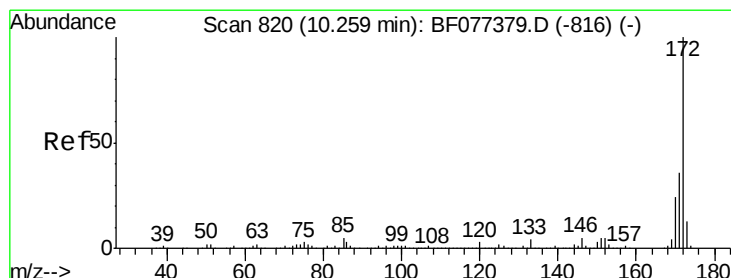
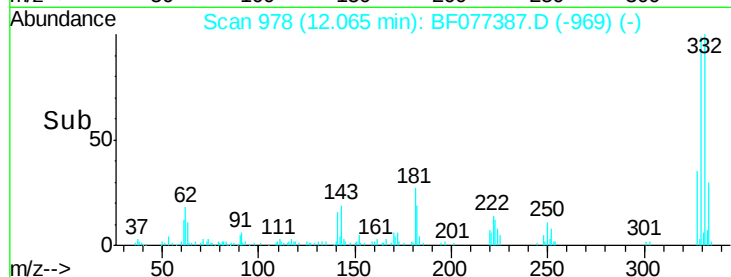
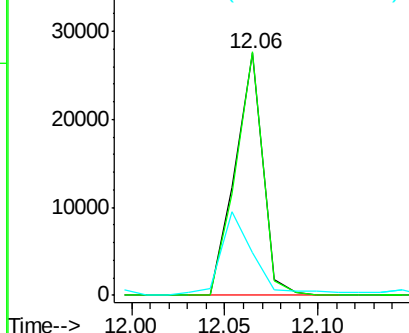
#41
 2,4,6-Tribromophenol
 Concen: 19.39 ng
 RT: 12.06 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

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

Tgt Ion:330 Resp: 28792
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 42.2 28.8 43.2

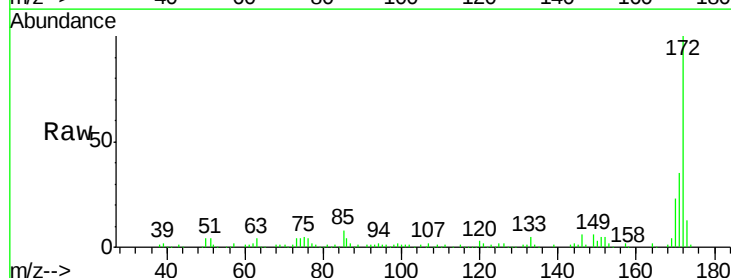


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

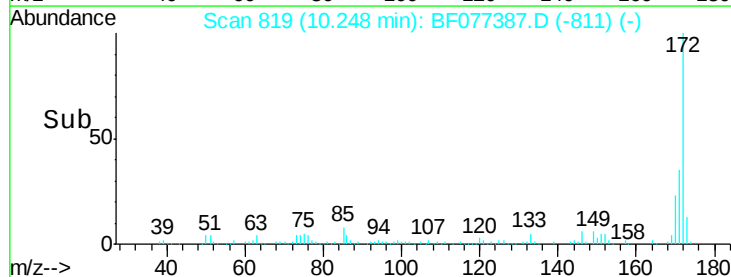
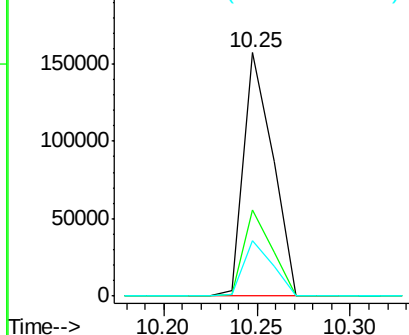


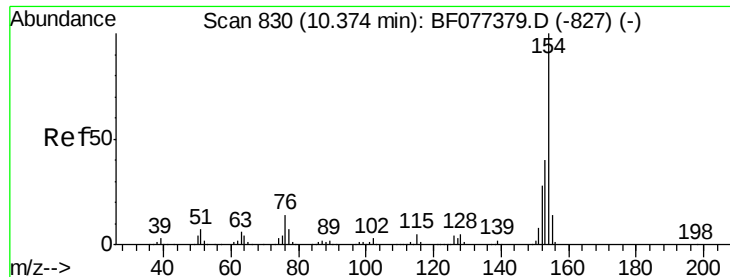
#44
 2-Fluorobiphenyl
 Concen: 17.23 ng
 RT: 10.25 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

Tgt Ion:172 Resp: 170363
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 22.7 19.4 29.2



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

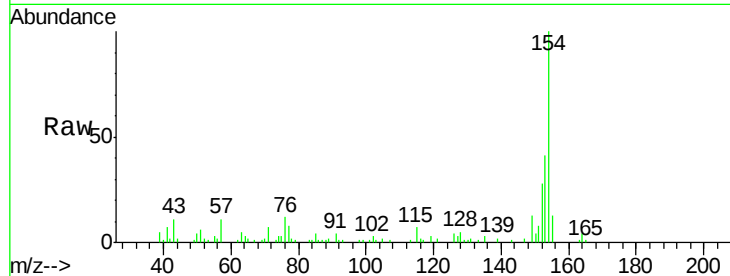




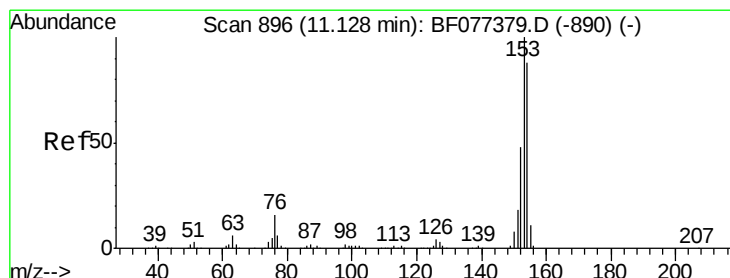
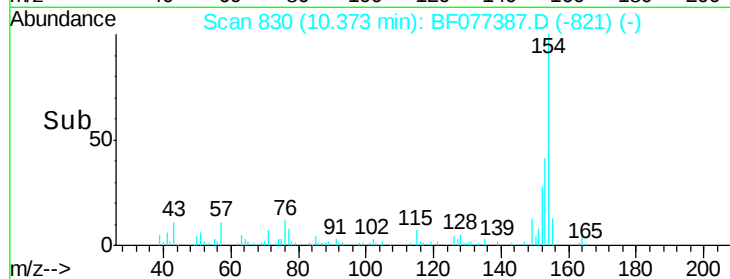
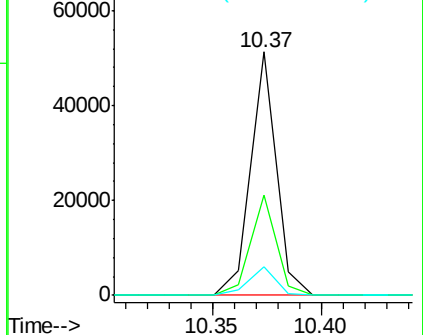
#45
1,1'-Biphenyl
Concen: 3.61 ng
RT: 10.37 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF077387.D
Acq: 20 Feb 2015 17:46

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

Tgt Ion:154 Resp: 42204
Ion Ratio Lower Upper
154 100
153 41.3 20.2 60.2
76 11.8 0.0 29.4

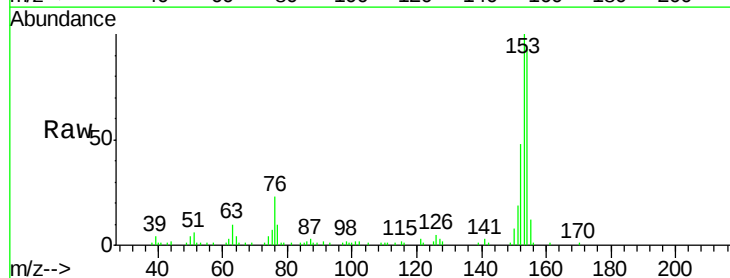


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

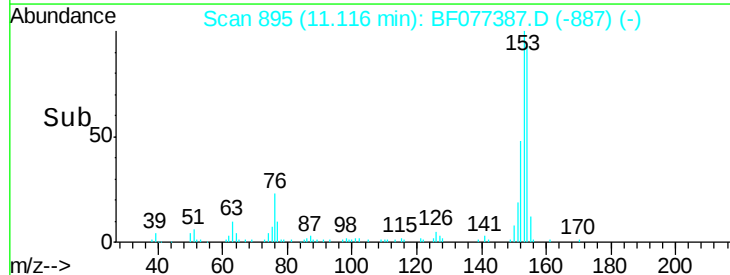
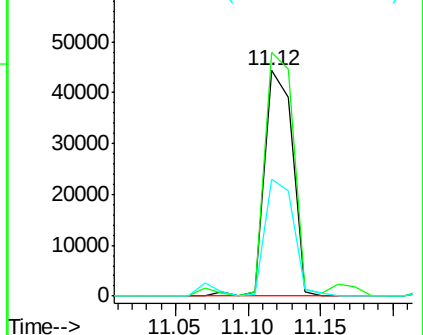


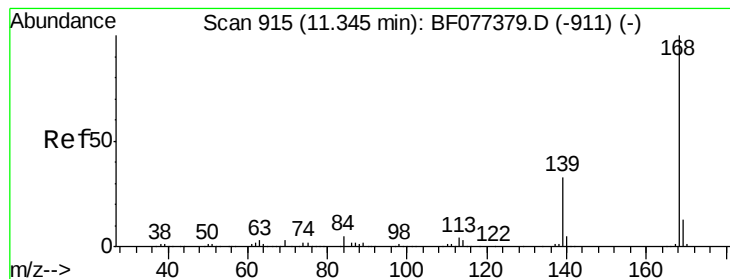
#51
Acenaphthene
Concen: 6.82 ng
RT: 11.12 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF077387.D
Acq: 20 Feb 2015 17:46

Tgt Ion:154 Resp: 58992
Ion Ratio Lower Upper
154 100
153 108.0 90.5 135.7
152 52.0 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

Dibenzenofuran

Concen: 11.12 ng

RT: 11.33 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

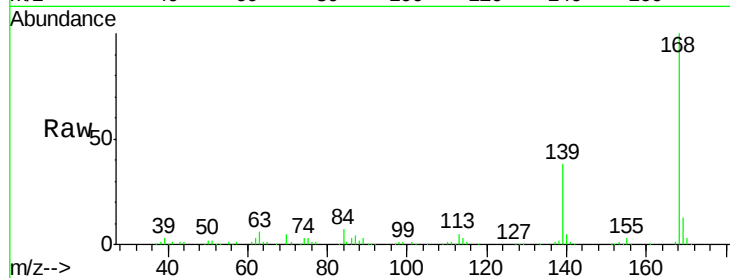
Tgt Ion:168 Resp: 148519

Ion Ratio Lower Upper

168 100

139 37.5 29.3 43.9

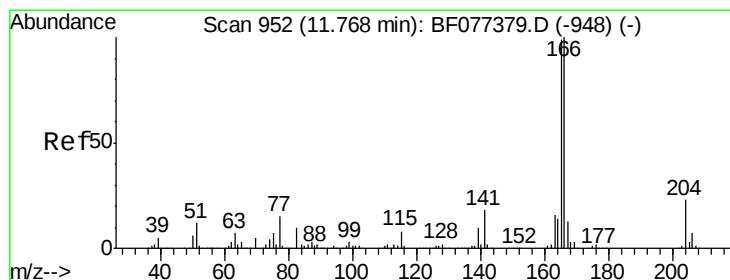
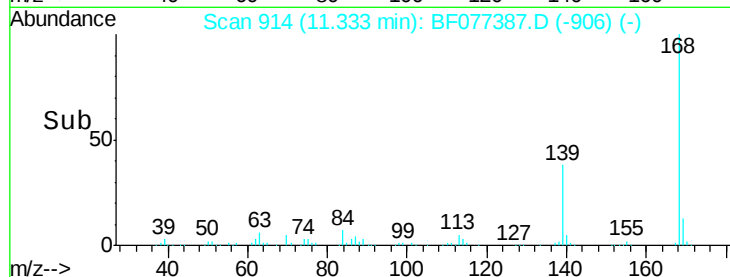
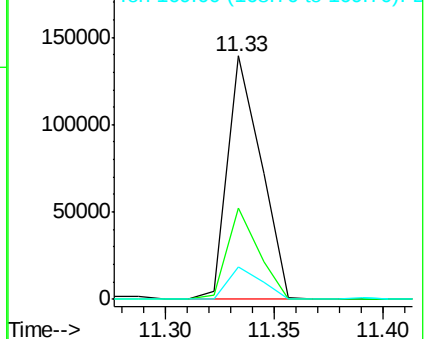
169 13.1 10.9 16.3



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: 29.42 ng

RT: 11.77 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

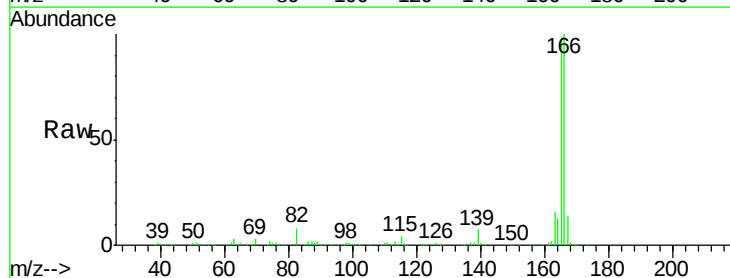
Tgt Ion:166 Resp: 314323

Ion Ratio Lower Upper

166 100

165 98.6 77.6 116.4

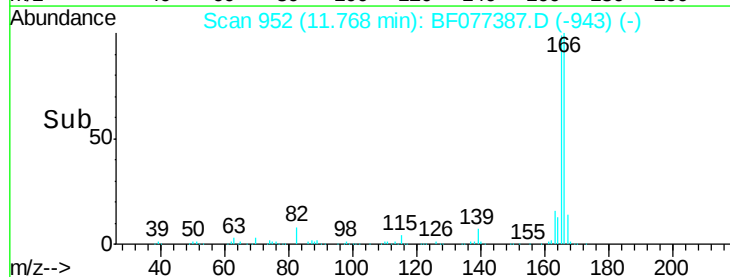
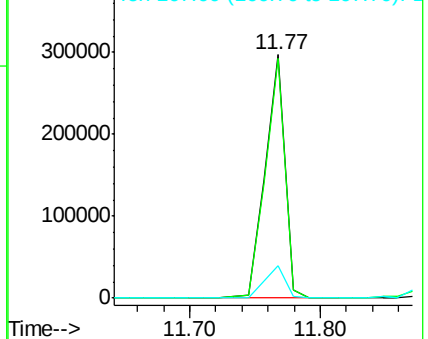
167 13.5 10.6 16.0

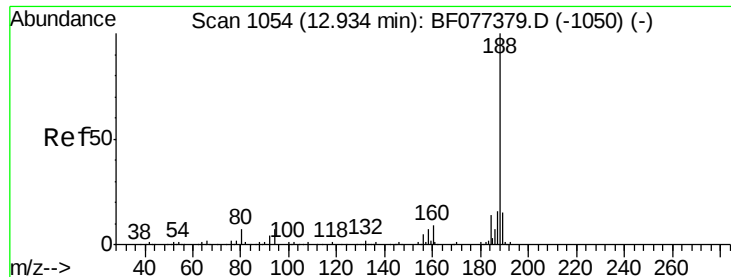


Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.93 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

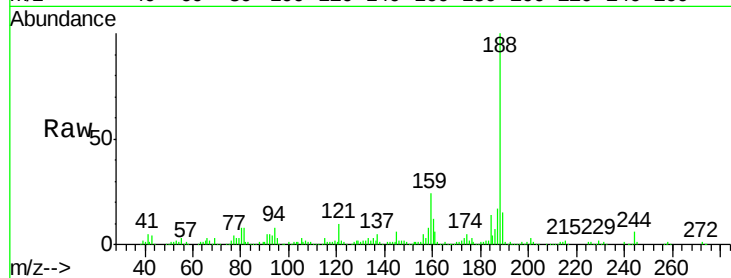
Tgt Ion:188 Resp: 299011

Ion Ratio Lower Upper

188 100

94 8.1 7.4 11.2

80 8.3 8.0 12.0

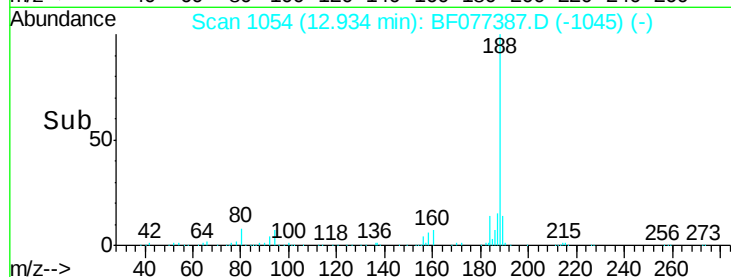


Abundance Ion 188.00 (187.70 to 188.70): E

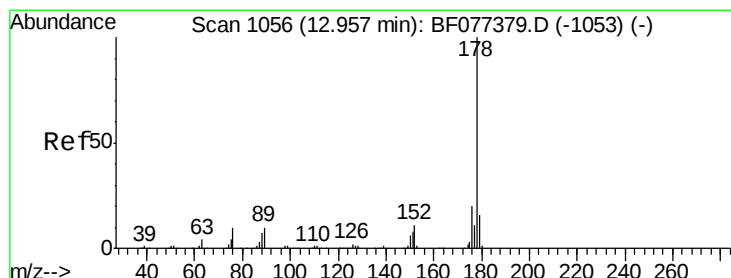
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#70

Phenanthrene

Concen: 49.96 ng

RT: 12.96 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

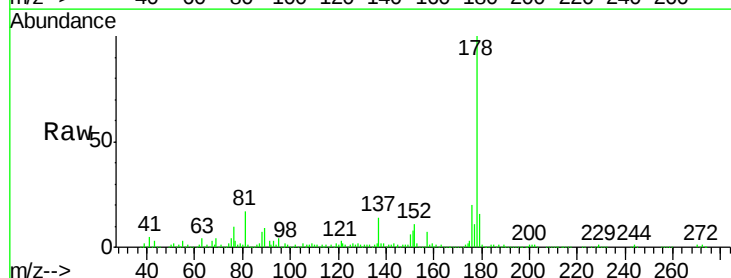
Tgt Ion:178 Resp: 865899

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.9 12.2 18.2

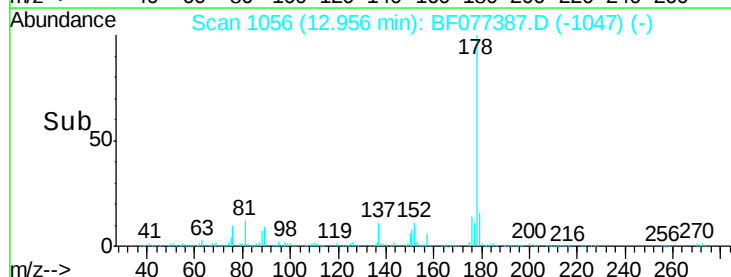


Abundance Ion 178.00 (177.70 to 178.70): E

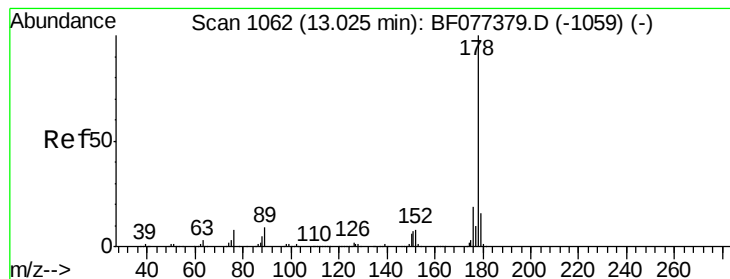
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#71

Anthracene

Concen: 37.95 ng

RT: 13.03 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

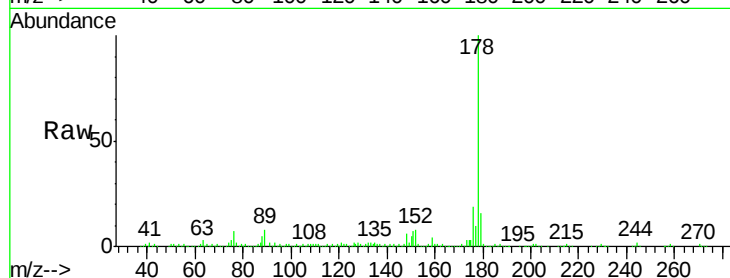
Tgt Ion:178 Resp: 652701

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

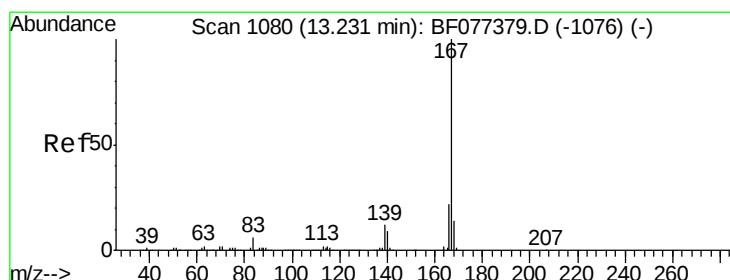
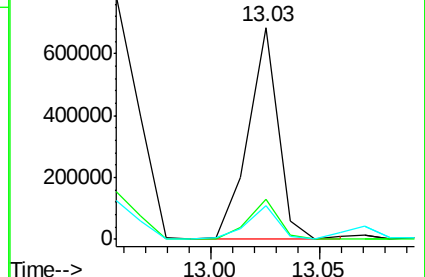
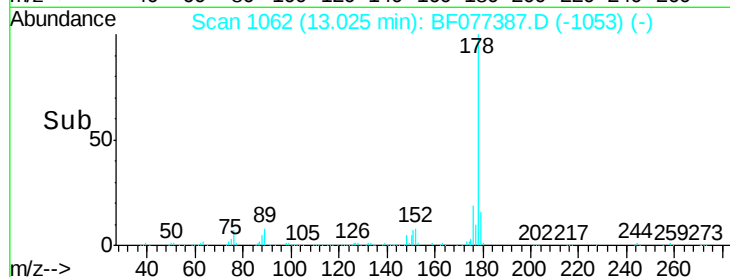
179 15.9 12.9 19.3



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: 45.89 ng

RT: 13.23 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

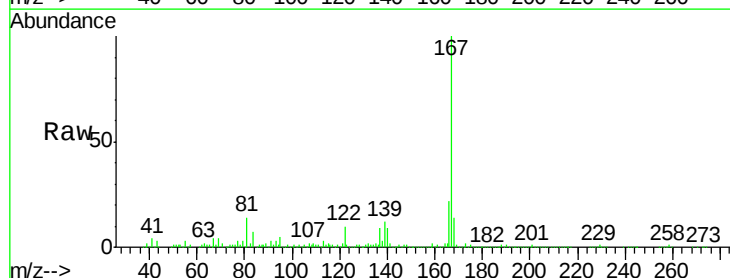
Tgt Ion:167 Resp: 750432

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

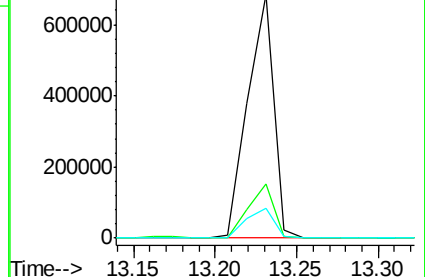
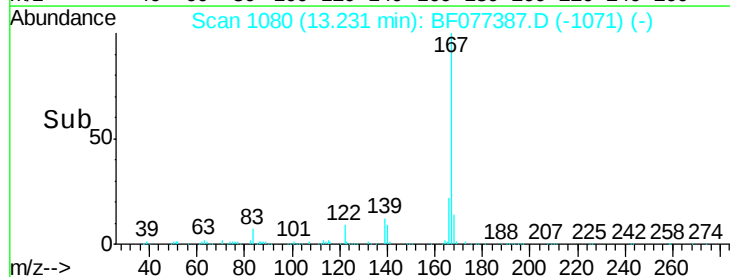
139 12.3 9.9 14.9

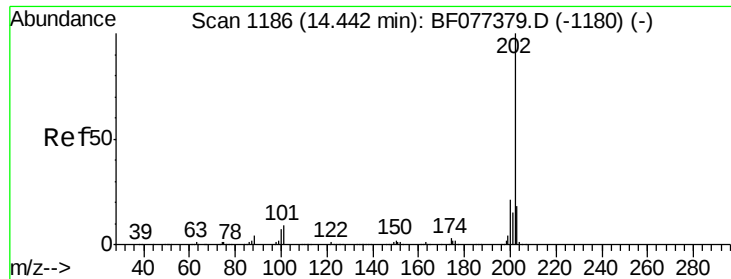


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 8.09 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

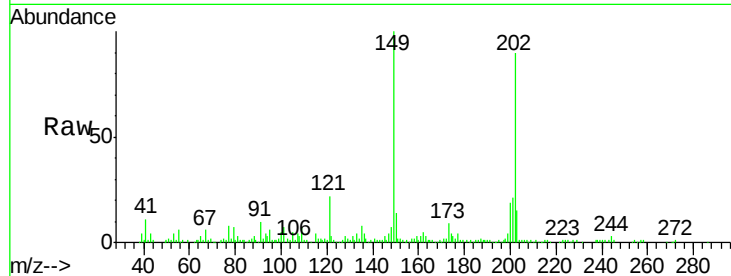
Tgt Ion: 202 Resp: 153125

Ion Ratio Lower Upper

202 100

101 8.1 0.0 30.8

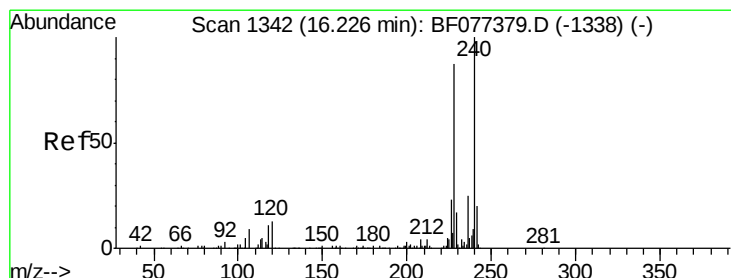
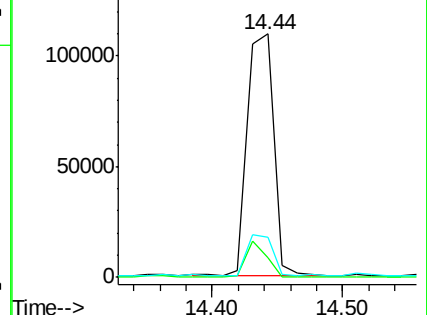
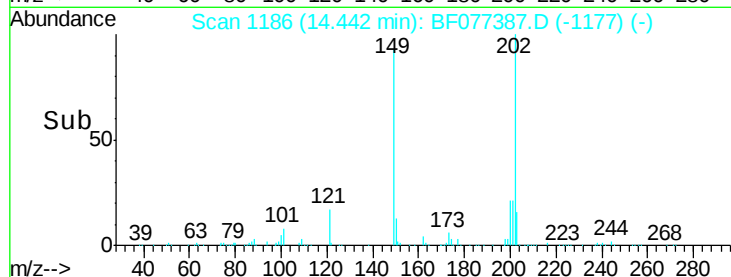
203 16.4 0.0 37.7



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: 16.23 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

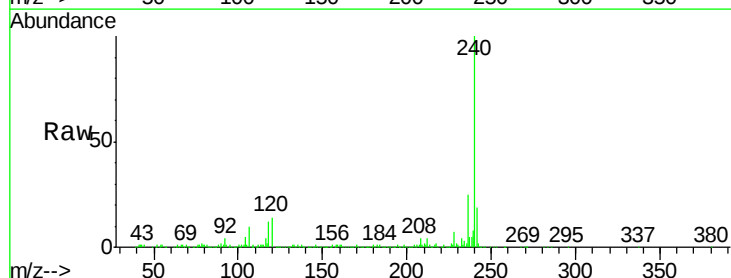
Tgt Ion: 240 Resp: 331984

Ion Ratio Lower Upper

240 100

120 14.4 8.8 13.2#

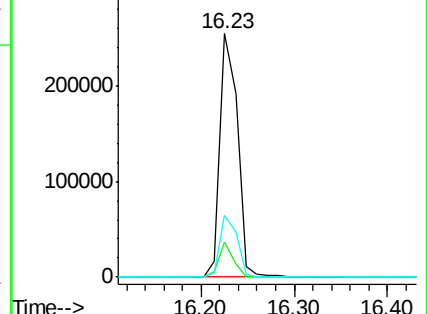
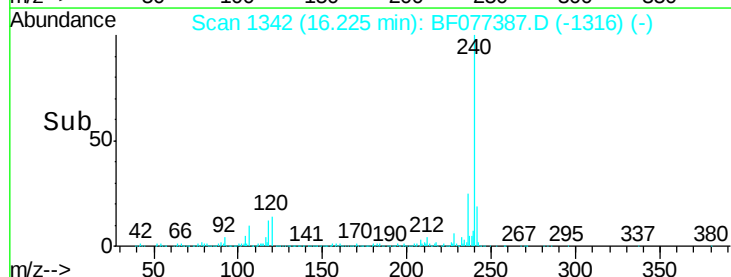
236 25.2 20.7 31.1

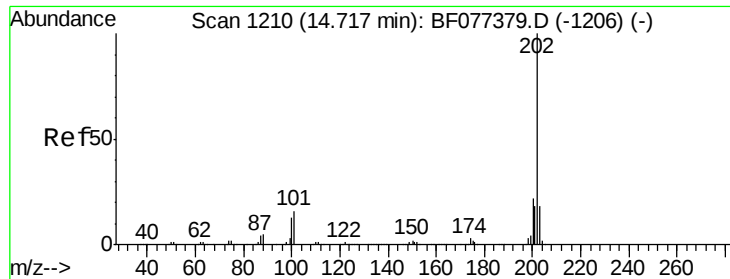


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

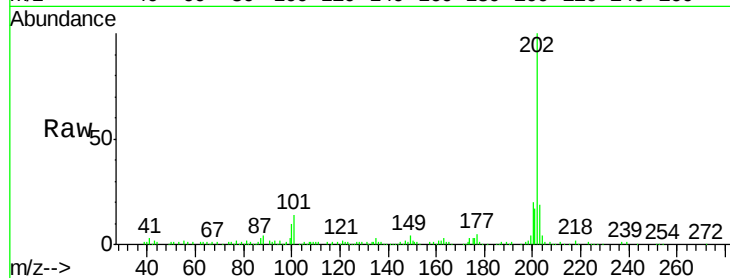




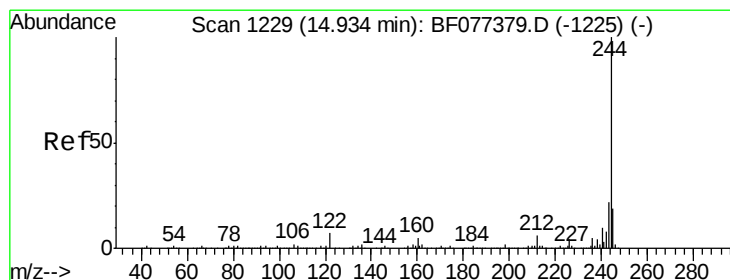
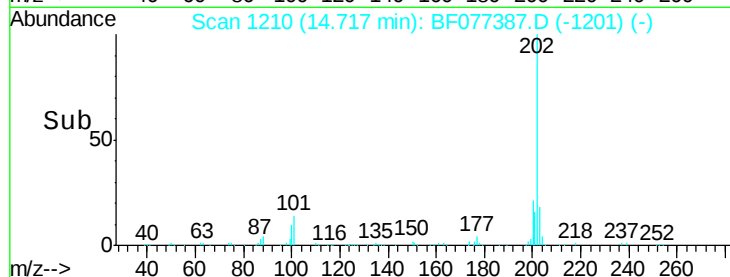
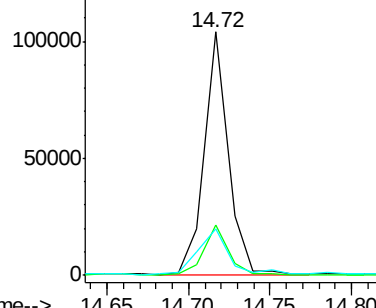
#77
 Pyrene
 Concen: 5.16 ng
 RT: 14.72 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

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

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	19.3	14.2	21.2

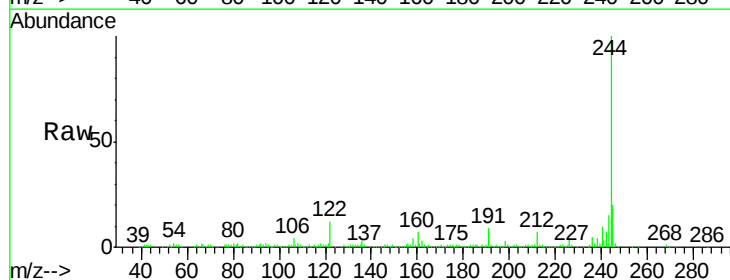


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

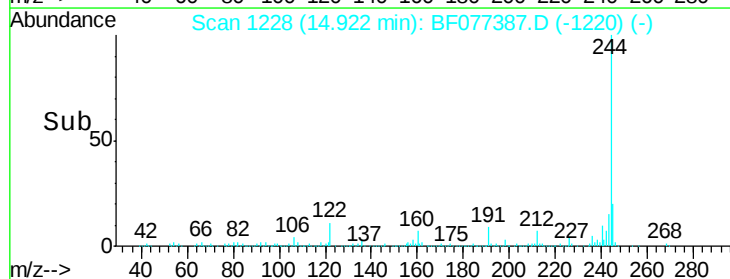
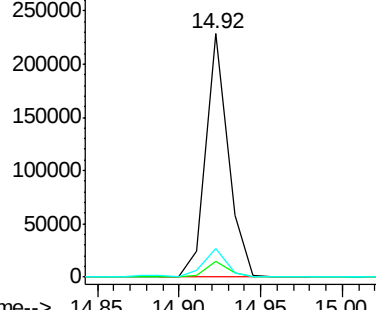


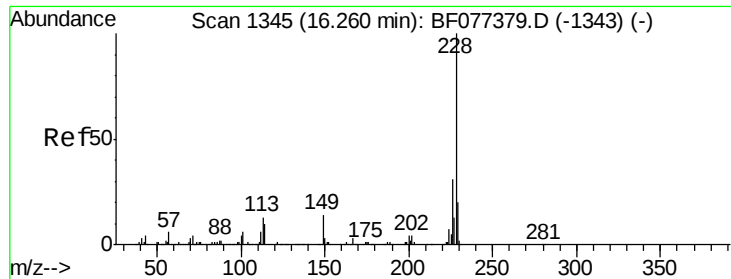
#78
 Terphenyl-d14
 Concen: 15.14 ng
 RT: 14.92 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF077387.D
 Acq: 20 Feb 2015 17:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.7	7.8	11.8



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





#82

Chrysene

Concen: 5.12 ng

RT: 16.26 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115

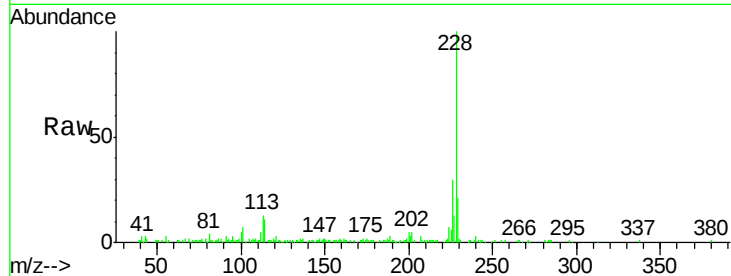
Tgt Ion:228 Resp: 93467

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

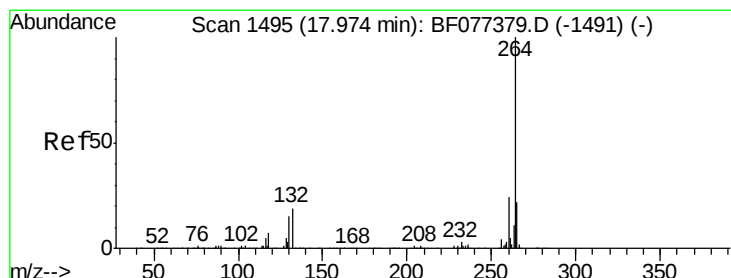
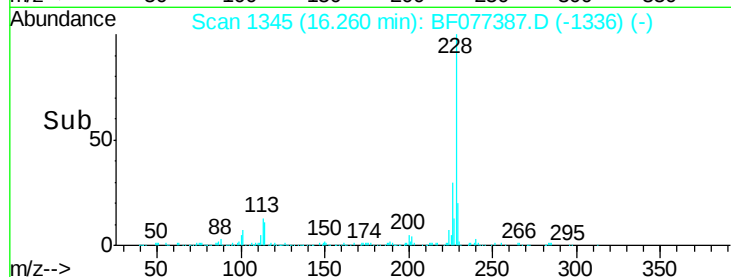
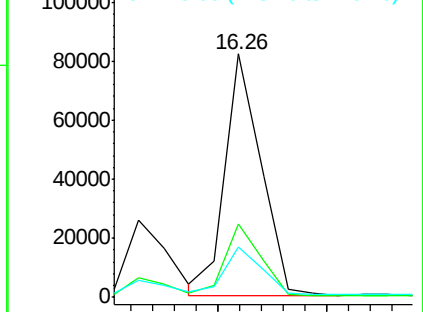
229 20.5 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.03 min Scan# 1500

Delta R.T. 0.06 min

Lab File: BF077387.D

Acq: 20 Feb 2015 17:46

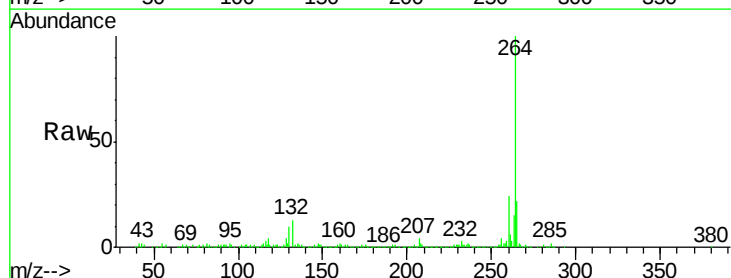
Tgt Ion:264 Resp: 332578

Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 21.9 16.8 25.2



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

