

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085423.D
 Acq On : 14 Mar 2016 12:32
 Operator : UM/SJ
 Sample : H1743-02DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MNR-HARMON-BLDG-30-RW1DL

Quant Time: Mar 15 00:57:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	148891	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	599403	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	306600	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	531908	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	330959	20.00	ng	-0.06
86) Perylene-d12	15.55	264	253887	20.00	ng	-0.07

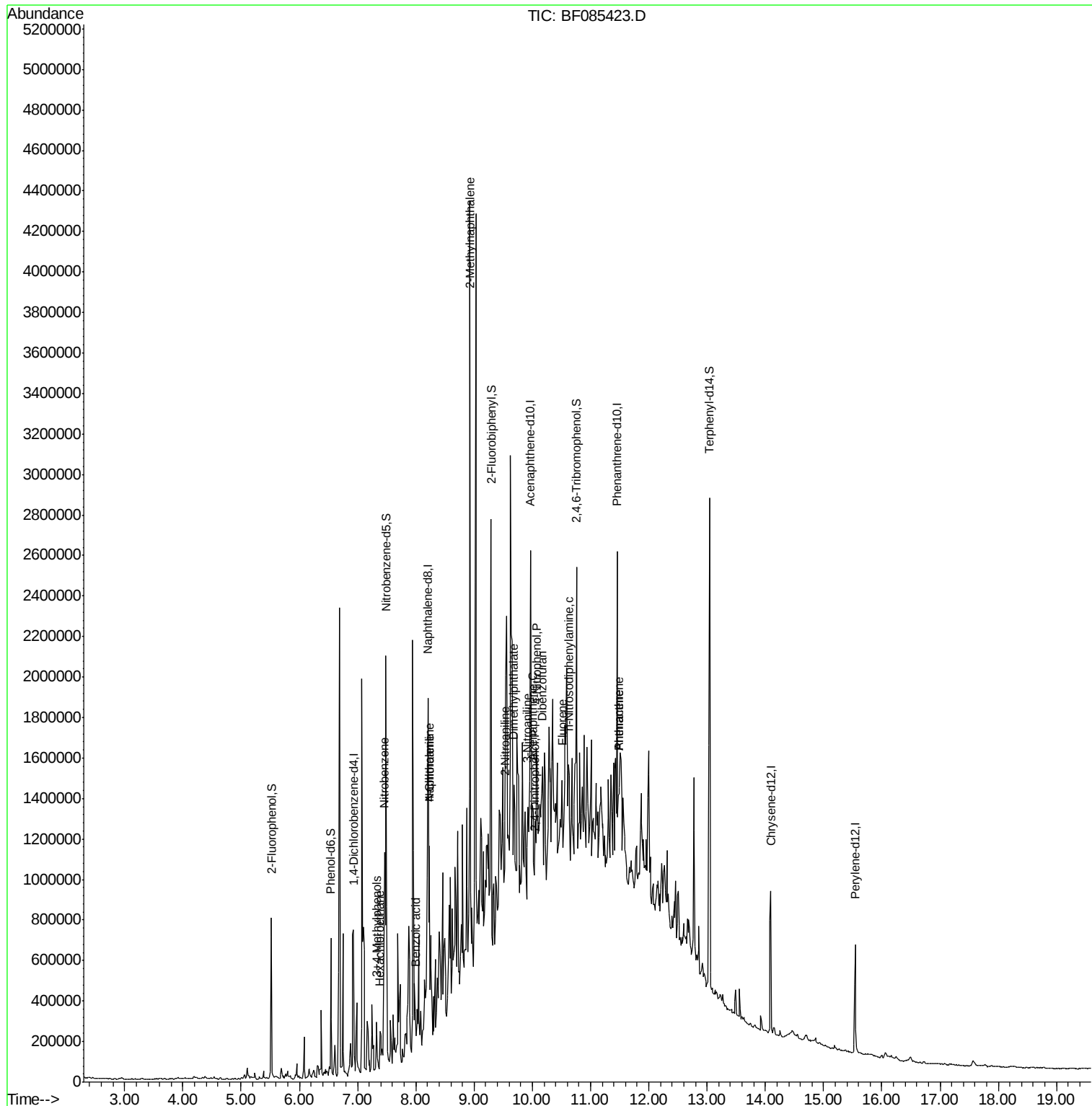
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	318848	35.92	ng	-0.06
7) Phenol-d6	6.54	99	248052	21.33	ng	-0.07
23) Nitrobenzene-d5	7.49	82	582830	52.03	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	195512	74.52	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	953138	47.28	ng	-0.06
78) Terphenyl-d14	13.04	244	849908	59.61	ng	-0.05

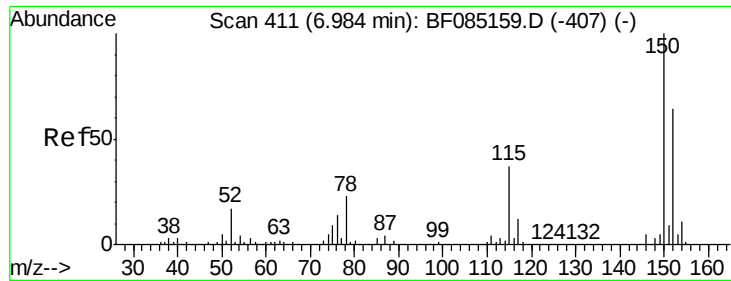
Target Compounds				Qvalue		
9) Benzaldehyde	6.47	77	2848	Below Cal	#	1
18) Hexachloroethane	7.38	117	12512	2.95	ng	# 1
20) 3+4-Methylphenols	7.33	107	40950	3.96	ng	# 80
24) Nitrobenzene	7.46	77	35164	3.09	ng	# 24
31) Naphthalene	8.23	128	210526	7.14	ng	# 90
32) Benzoic acid	7.99	122	36675	5.46	ng	# 23
33) 4-Chloroaniline	8.23	127	57718	4.84	ng	# 41
37) 2-Methylnaphthalene	8.93	142	1043290	55.16	ng	# 98
47) 2-Nitroaniline	9.53	65	15342	2.48	ng	# 48
49) Dimethylphthalate	9.68	163	109570	4.66	ng	# 93
51) Acenaphthene	10.00	154	51824	2.75	ng	# 80
52) 3-Nitroaniline	9.92	138	14764	2.45	ng	# 66
53) 2,4-Dinitrophenol	10.04	184	1108	8.42	ng	# 1
54) Dibenzofuran	10.17	168	62711	2.54	ng	# 78
55) 4-Nitrophenol	10.07	139	11683	2.47	ng	# 18
57) Fluorene	10.52	166	98335	5.06	ng	# 97
65) n-Nitrosodiphenylamine	10.63	169	38255	2.31	ng	# 90
70) Phenanthrene	11.48	178	133878	4.80	ng	# 99
71) Anthracene	11.48	178	133878	4.52	ng	# 97

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

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Sample    : H1743-02DL 2X  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

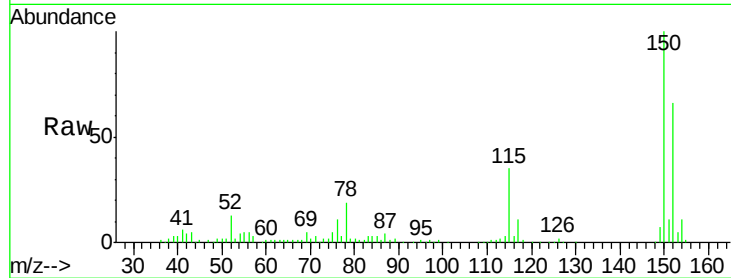
Tgt Ion:152 Resp: 148891

Ion Ratio Lower Upper

152 100

150 151.7 124.6 186.8

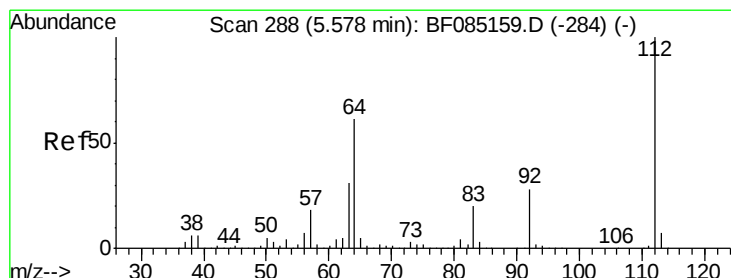
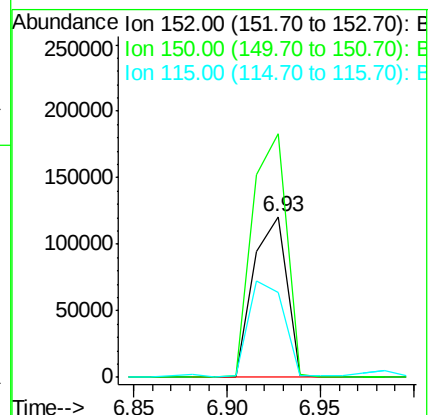
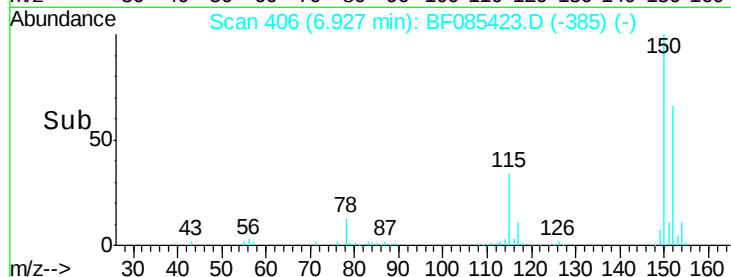
115 52.7 46.6 70.0



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: 35.92 ng

RT: 5.52 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

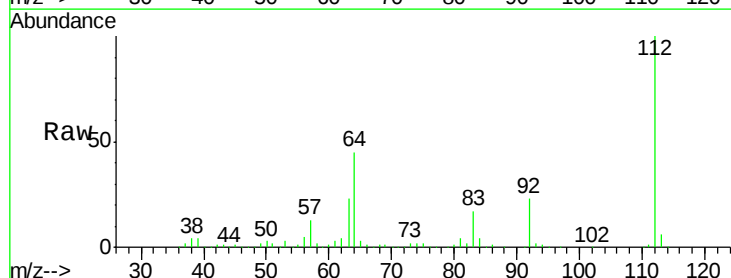
Tgt Ion:112 Resp: 318848

Ion Ratio Lower Upper

112 100

64 45.2 49.0 73.4#

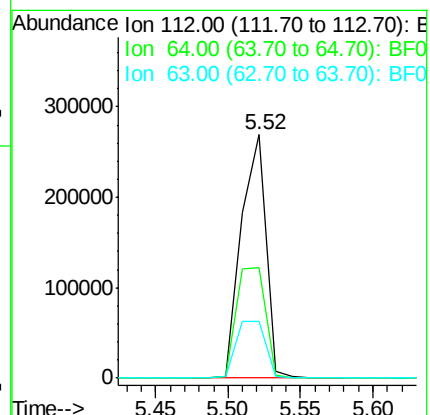
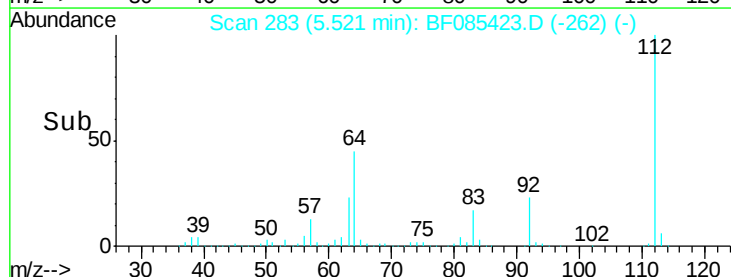
63 23.1 24.8 37.2#



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: 21.33 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.07 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

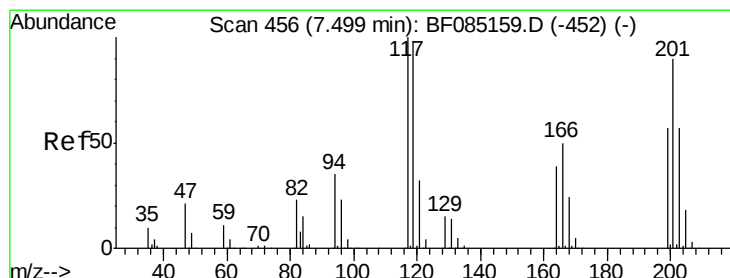
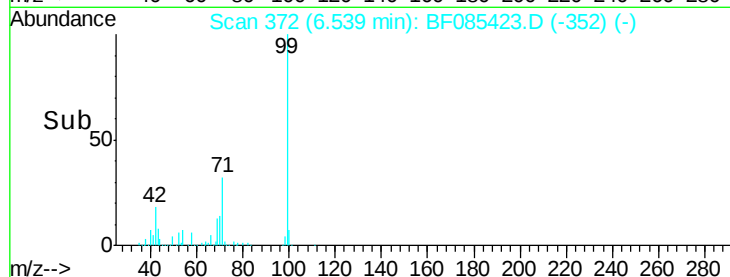
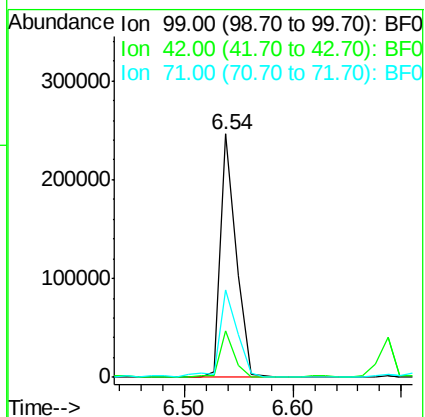
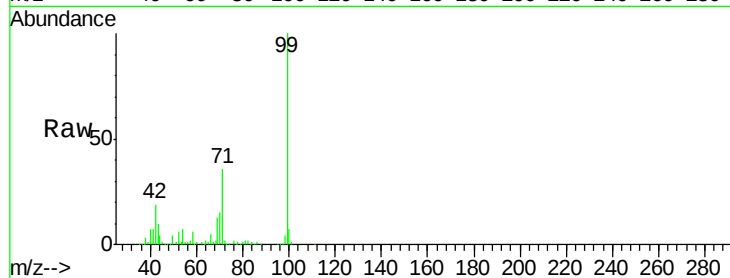
Tgt Ion: 99 Resp: 248052

Ion Ratio Lower Upper

99 100

42 19.1 13.6 20.4

71 36.2 26.7 40.1



#18

Hexachloroethane

Concen: 2.95 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.11 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

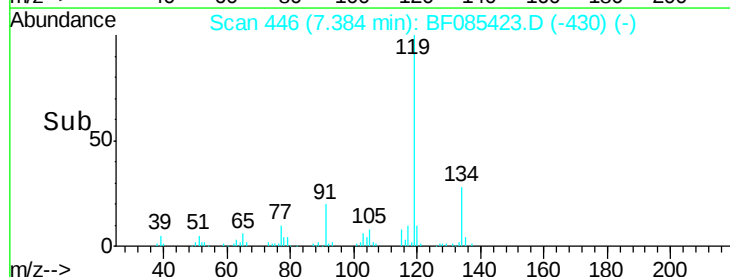
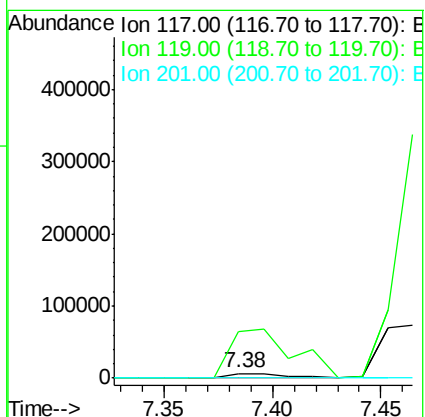
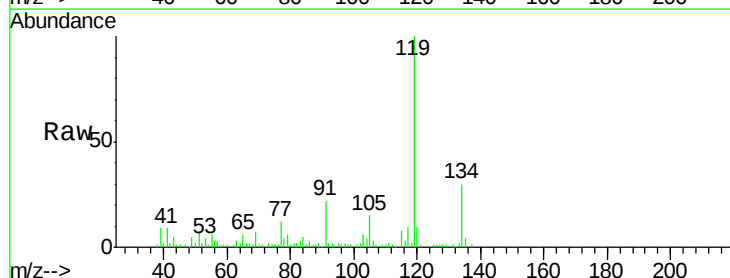
Tgt Ion: 117 Resp: 12512

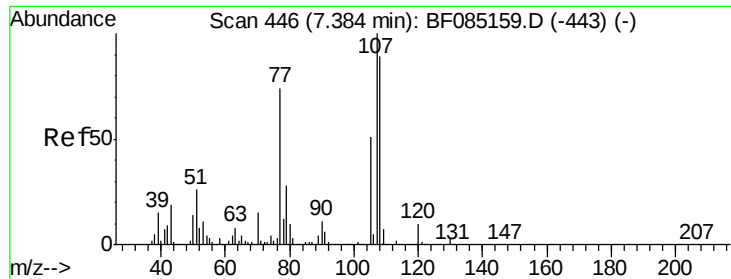
Ion Ratio Lower Upper

117 100

119 1006.4 78.2 117.4#

201 0.0 72.0 108.0#

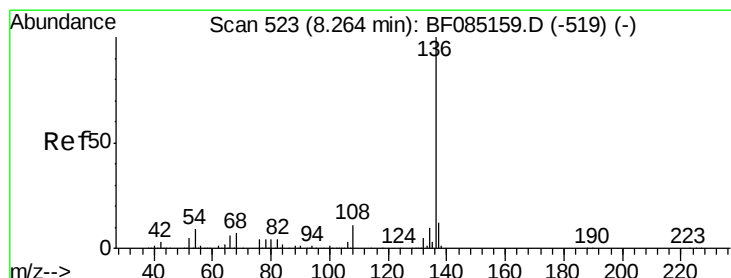
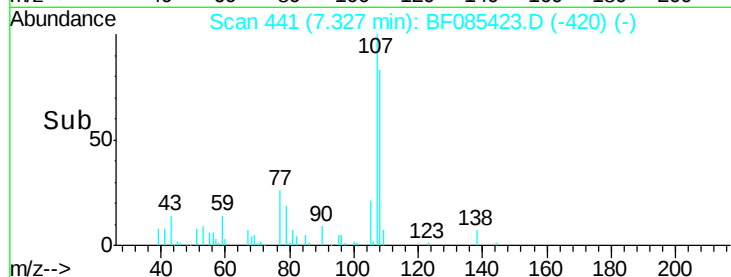
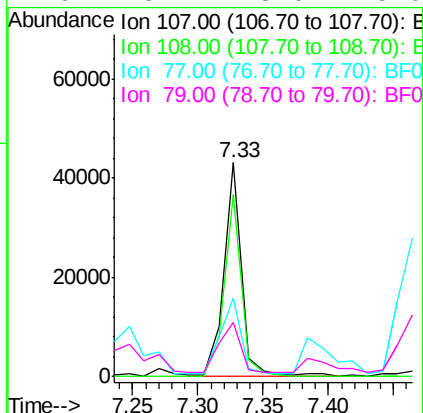
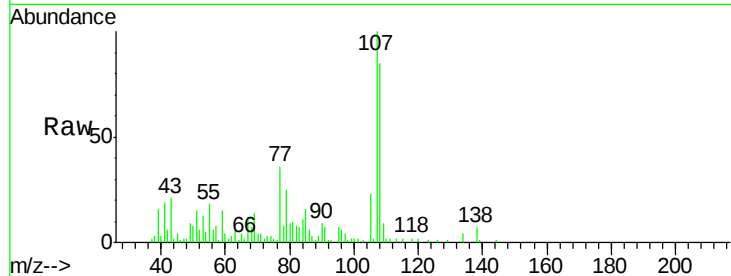




#20
3+4-Methylphenols
Concen: 3.96 ng
RT: 7.33 min Scan# 441
Delta R.T. -0.06 min
Lab File: BF085423.D
Acq: 14 Mar 2016 12:32

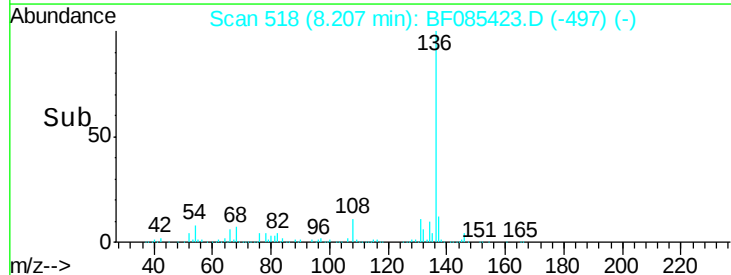
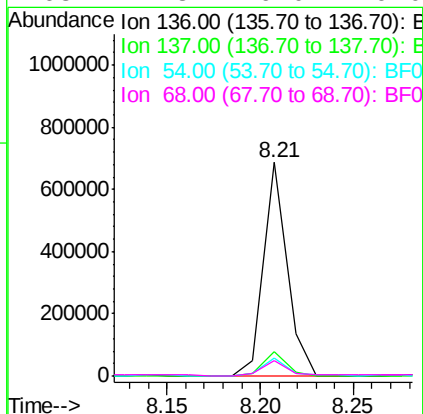
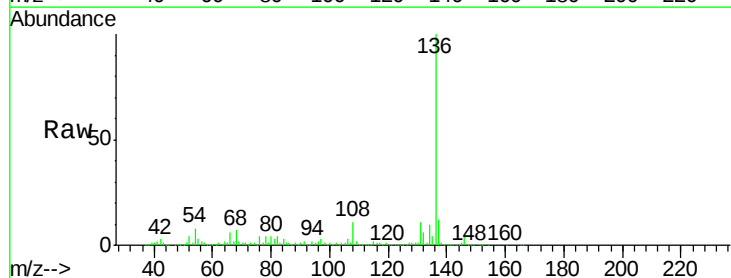
Instrument :
BNA_F
ClientSampleId :
MNR-HARMON-BLDG-30-RW1DL

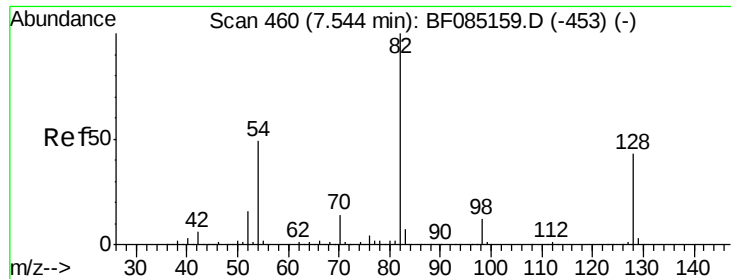
Tgt Ion:	107	Resp:	40950
Ion	Ratio	Lower	Upper
107	100		
108	85.4	68.8	108.8
77	36.3	53.6	93.6#
79	25.2	8.0	48.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF085423.D
Acq: 14 Mar 2016 12:32

Tgt Ion:	136	Resp:	599403
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	8.4	7.4	11.2
68	7.3	6.0	9.0

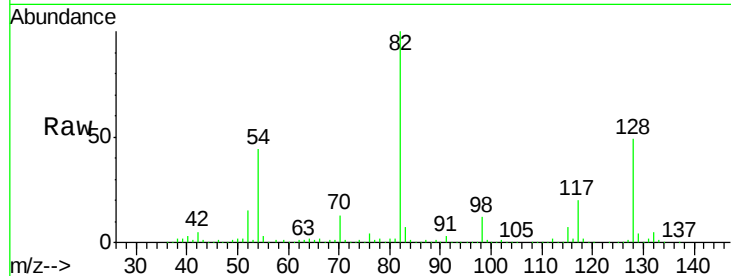




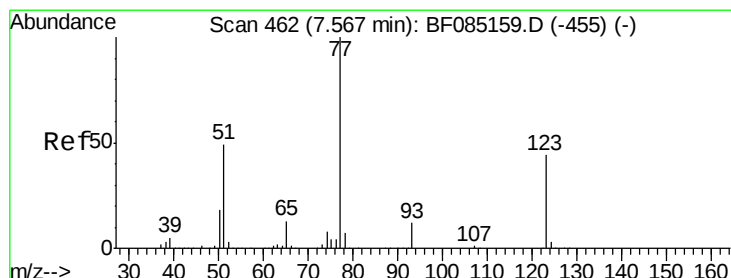
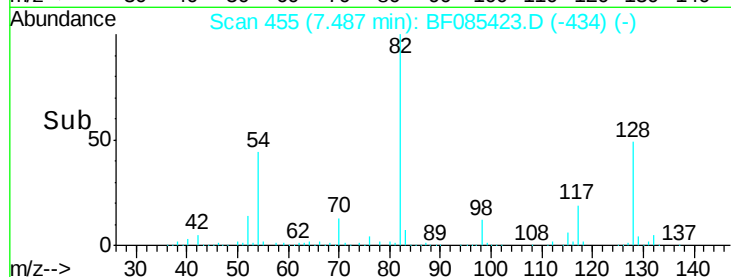
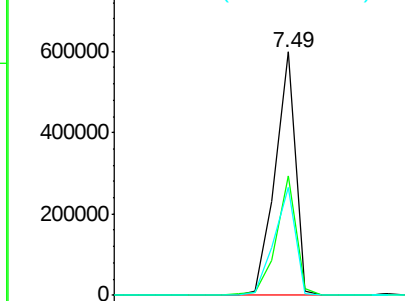
#23
 Nitrobenzene-d5
 Concen: 52.03 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 MNR-HARMON-BLDG-30-RW1DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.5	51.7
54	44.4	39.3	58.9

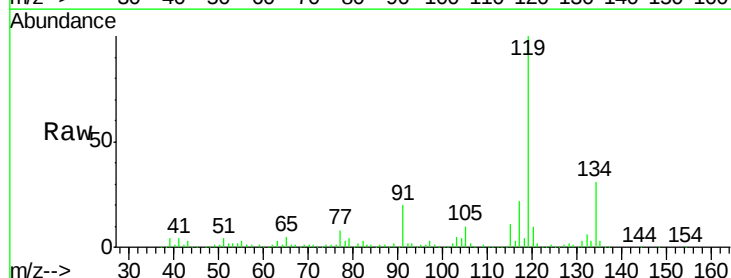


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

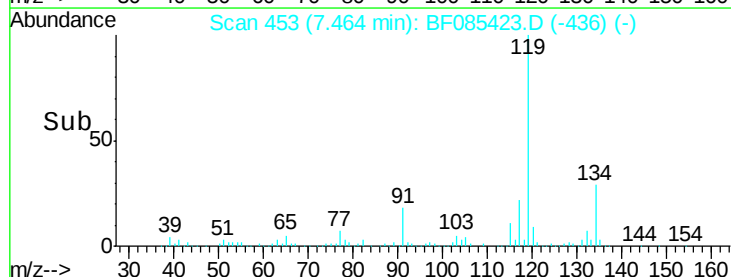
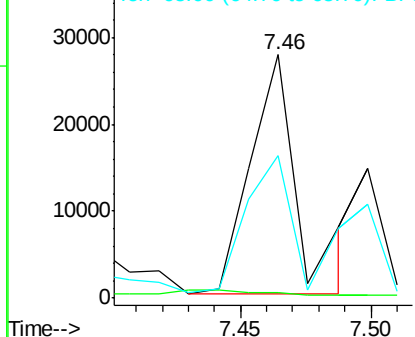


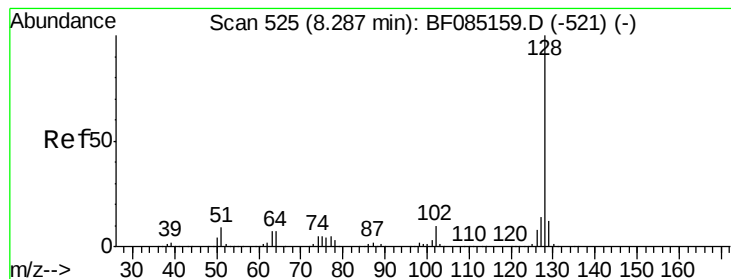
#24
 Nitrobenzene
 Concen: 3.09 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.10 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	2.2	35.4	53.2#
65	58.7	10.6	16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#31

Naphthalene

Concen: 7.14 ng

RT: 8.23 min Scan# 520

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

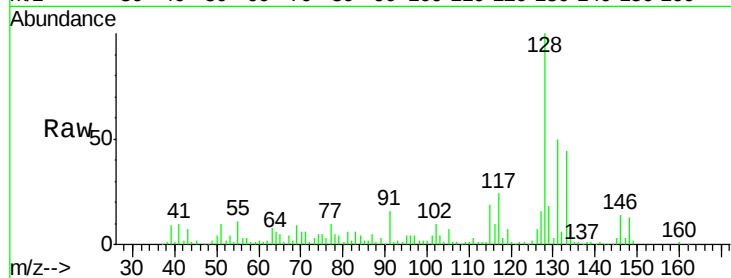
Tgt Ion:128 Resp: 210526

Ion Ratio Lower Upper

128 100

129 17.6 9.7 14.5#

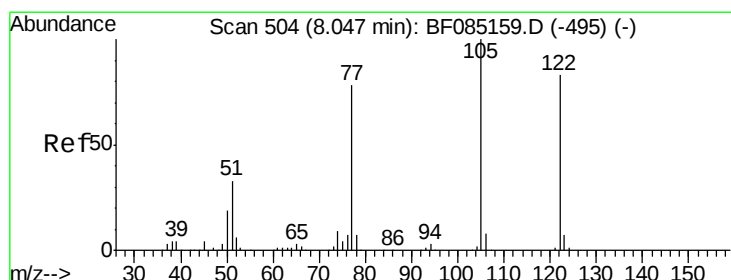
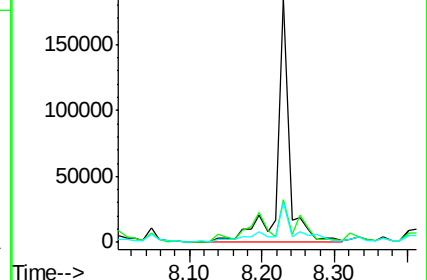
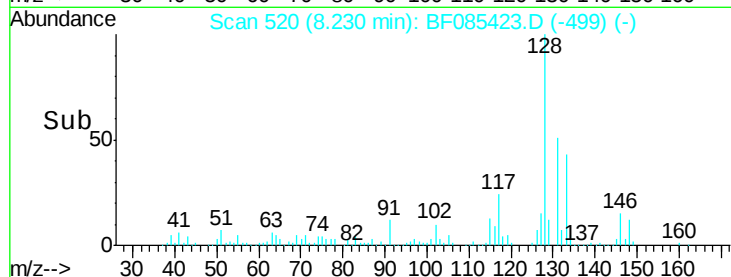
127 16.4 11.2 16.8



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



#32

Benzoic acid

Concen: 5.46 ng

RT: 7.99 min Scan# 499

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

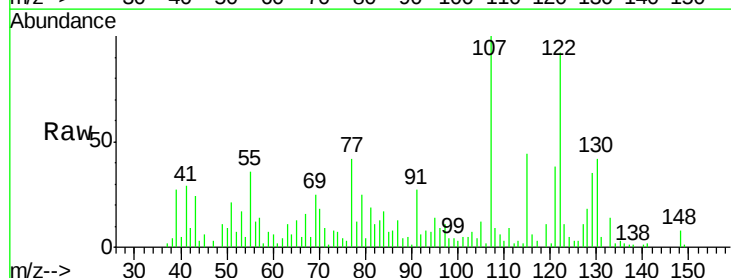
Tgt Ion:122 Resp: 36675

Ion Ratio Lower Upper

122 100

105 12.6 101.3 141.3#

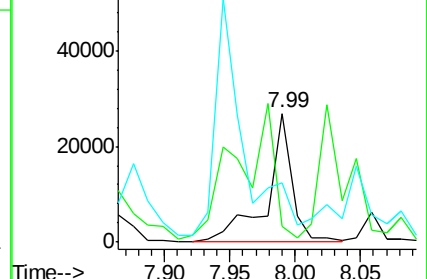
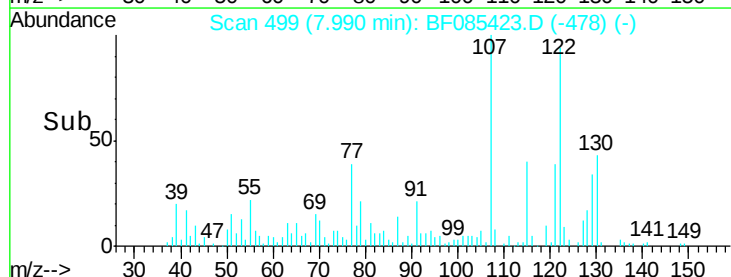
77 45.8 74.7 114.7#

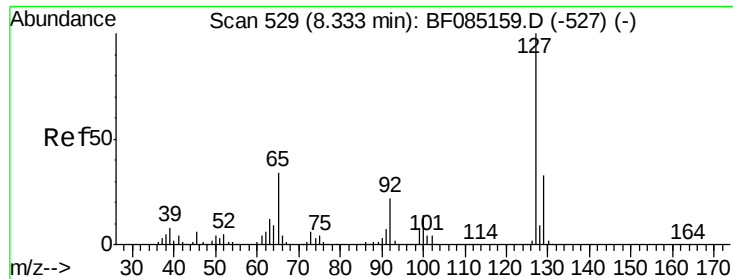


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

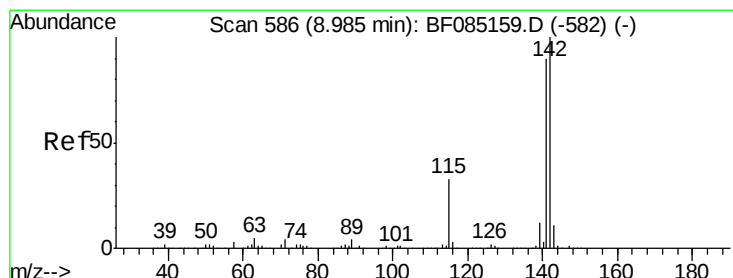
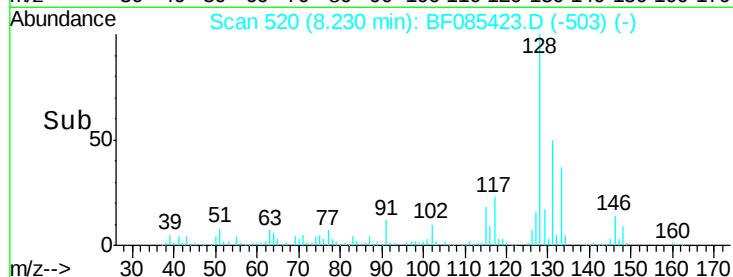
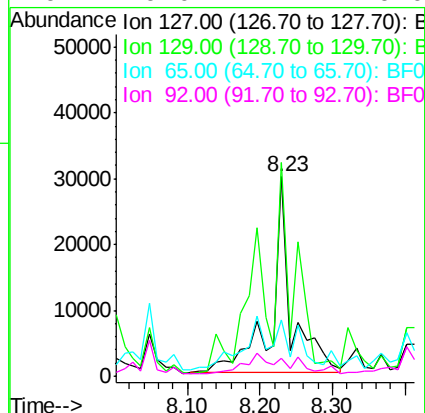
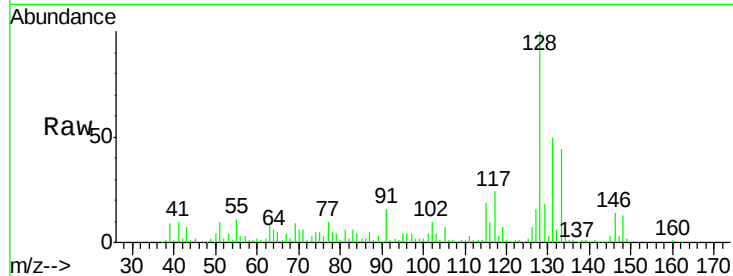




#33
 4-Chloroaniline
 Concen: 4.84 ng
 RT: 8.23 min Scan# 520
 Delta R.T. -0.10 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

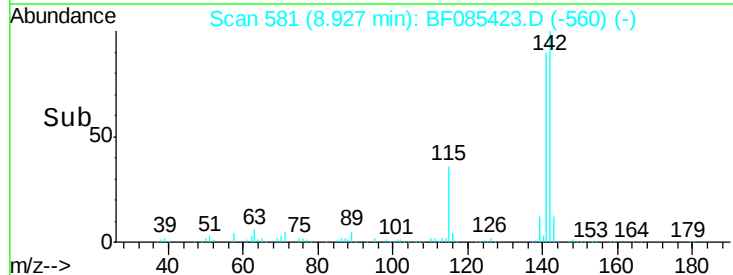
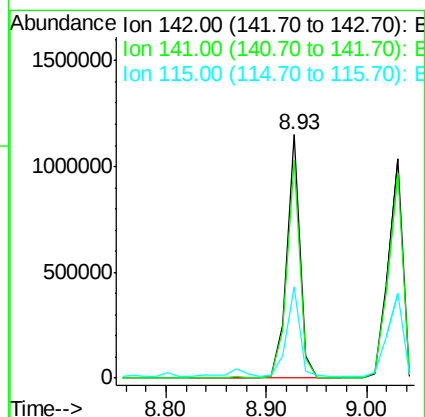
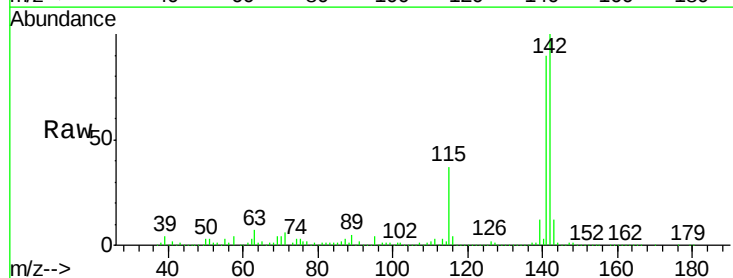
Instrument :
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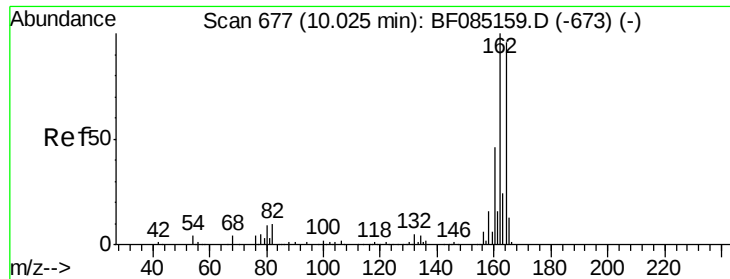
Tgt Ion:	127	Resp:	57718
Ion	Ratio	Lower	Upper
127	100		
129	107.2	26.1	39.1#
65	28.6	27.0	40.6
92	9.0	17.4	26.0#



#37
 2-Methylnaphthalene
 Concen: 55.16 ng
 RT: 8.93 min Scan# 581
 Delta R.T. -0.06 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

Tgt Ion:	142	Resp:	1043290
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.7	107.5
115	37.3	26.2	39.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

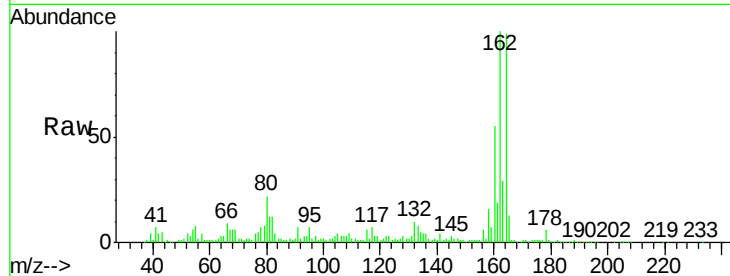
Tgt Ion:164 Resp: 306600

Ion Ratio Lower Upper

164 100

162 101.3 83.3 124.9

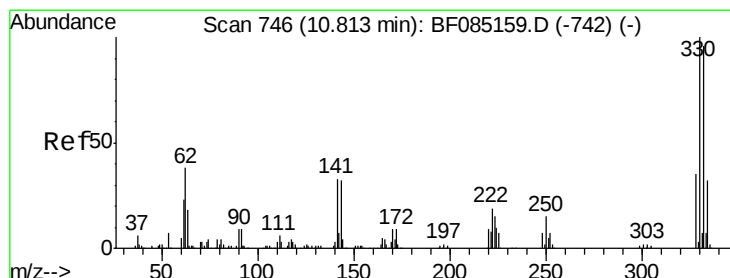
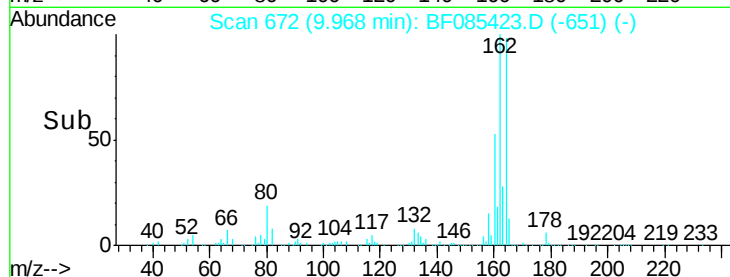
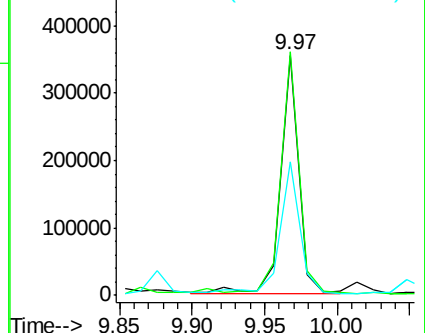
160 55.8 37.9 56.9



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: 74.52 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

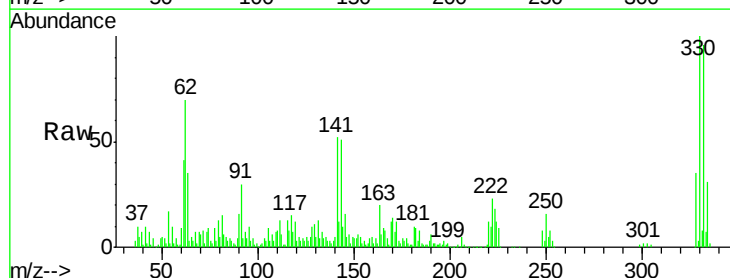
Tgt Ion:330 Resp: 195512

Ion Ratio Lower Upper

330 100

332 97.9 77.1 115.7

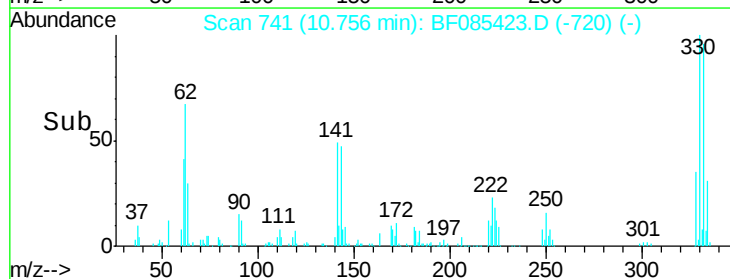
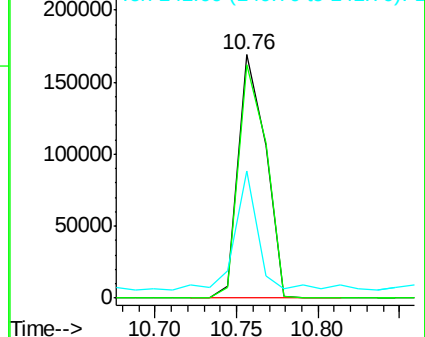
141 41.8 35.0 52.6

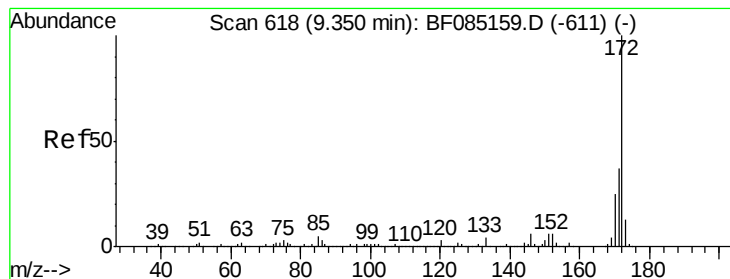


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 47.28 ng

RT: 9.29 min Scan# 613

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

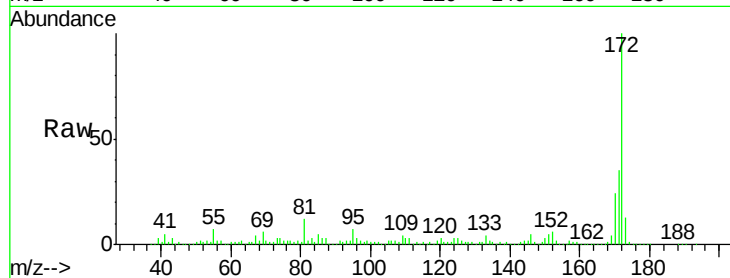
Tgt Ion: 172 Resp: 953138

Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

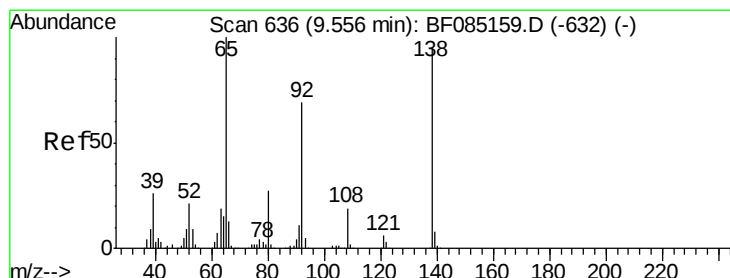
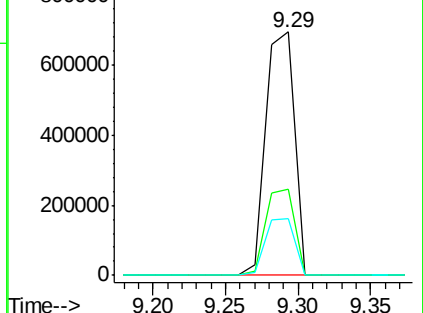
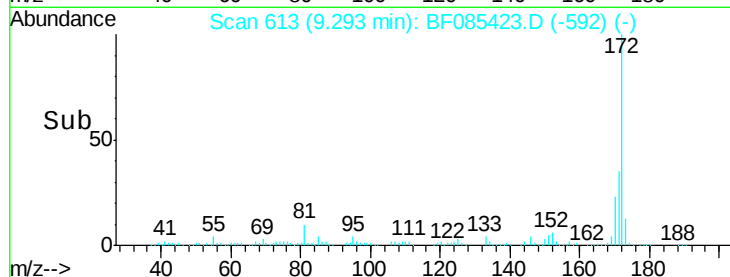
170 23.6 20.0 30.0



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



#47

2-Nitroaniline

Concen: 2.48 ng

RT: 9.53 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

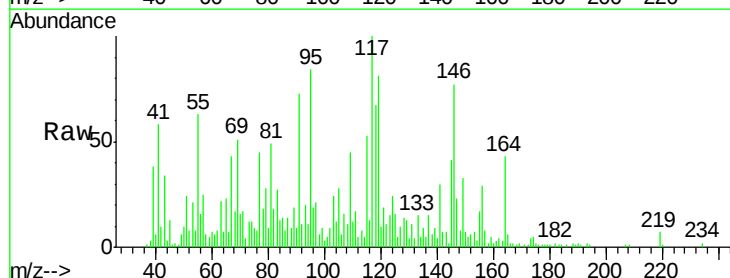
Tgt Ion: 65 Resp: 15342

Ion Ratio Lower Upper

65 100

92 48.5 55.4 83.2#

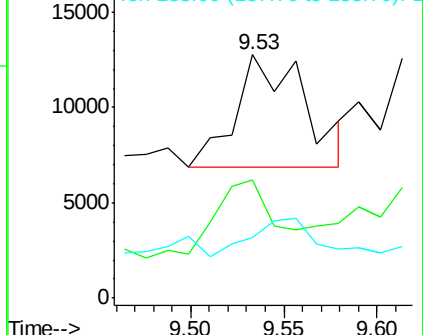
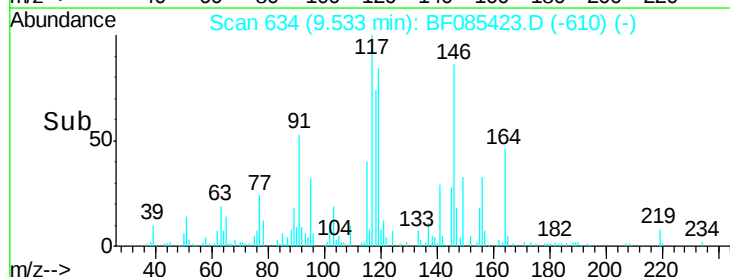
138 25.0 75.7 113.5#

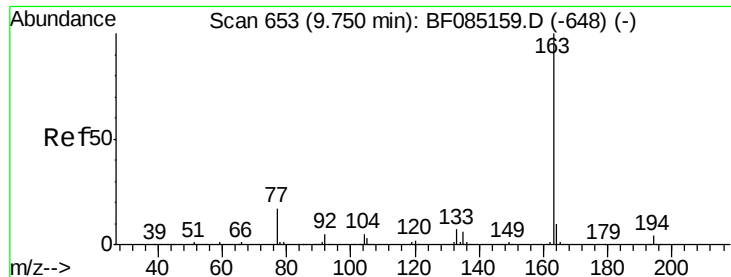


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

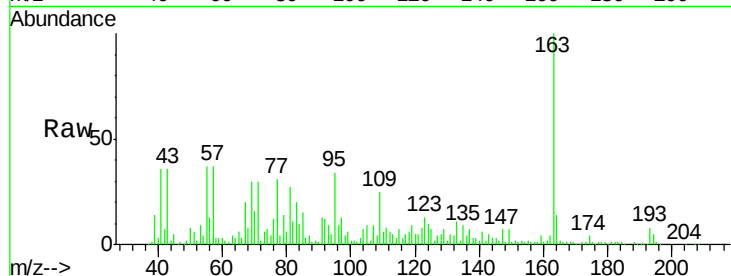




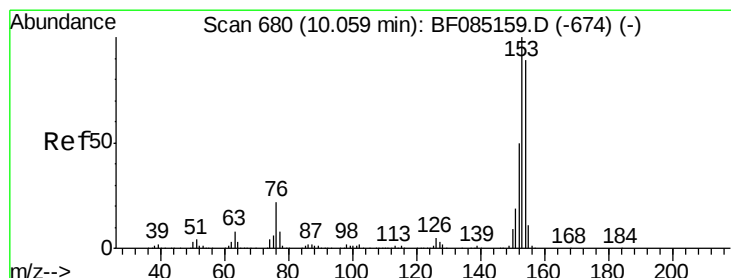
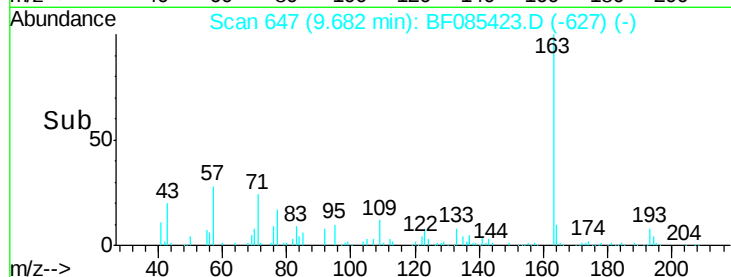
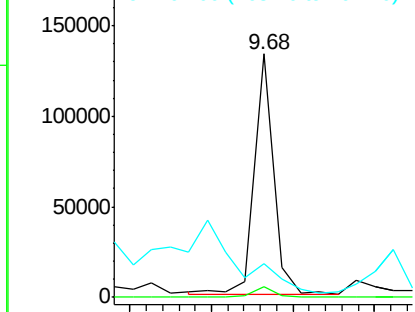
#49
Dimethylphthalate
Concen: 4.66 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085423.D
Acq: 14 Mar 2016 12:32

Instrument :
BNA_F
ClientSampleId :
MNR-HARMON-BLDG-30-RW1DL

Tgt Ion:163 Resp: 109570
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 13.6 8.2 12.4#

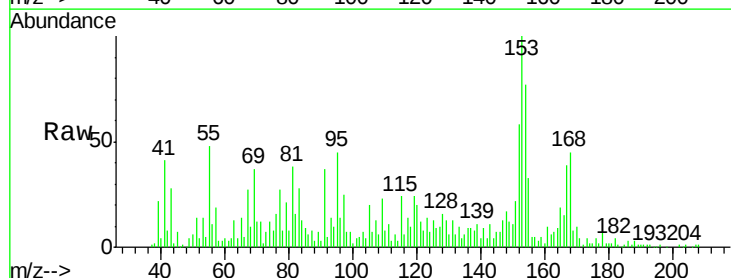


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

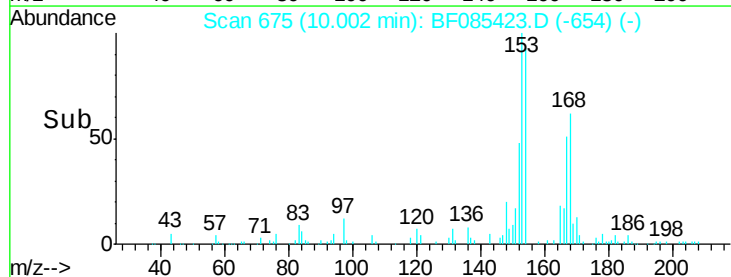
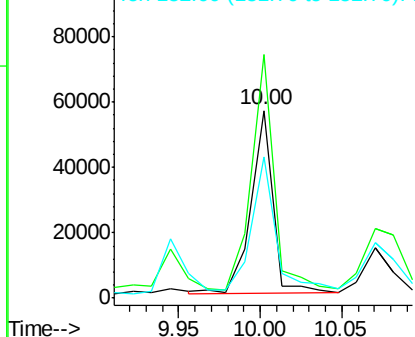


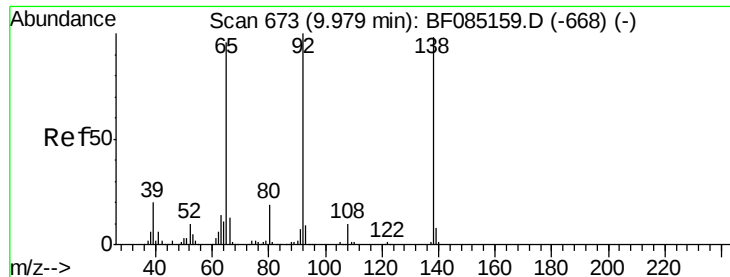
#51
Acenaphthene
Concen: 2.75 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.06 min
Lab File: BF085423.D
Acq: 14 Mar 2016 12:32

Tgt Ion:154 Resp: 51824
Ion Ratio Lower Upper
154 100
153 129.8 89.8 134.8
152 75.0 44.6 66.8#



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





#52

3-Nitroaniline

Concen: 2.45 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

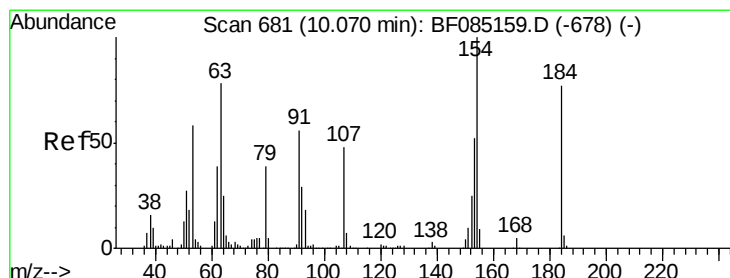
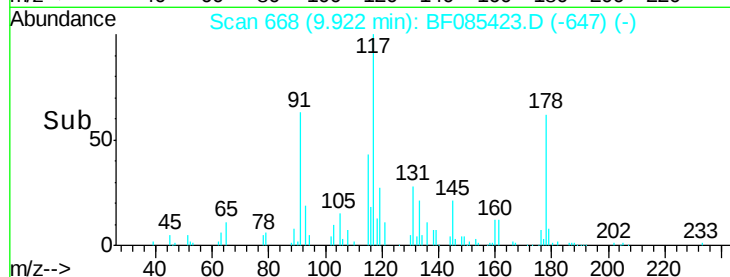
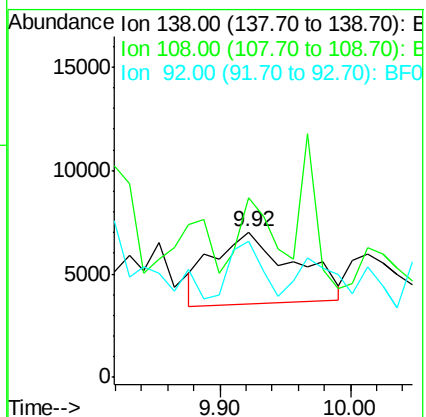
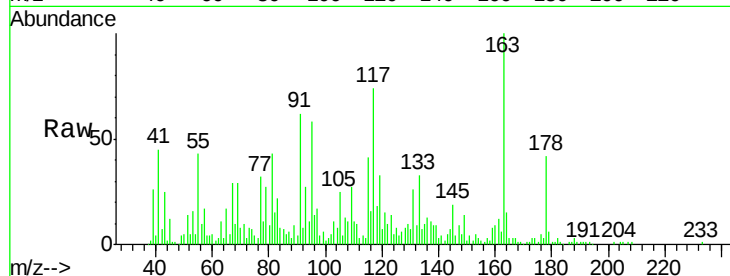
Tgt Ion:138 Resp: 14764

Ion Ratio Lower Upper

138 100

108 123.9 7.8 11.6#

92 93.8 81.3 121.9



#53

2,4-Dinitrophenol

Concen: 8.42 ng

RT: 10.04 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

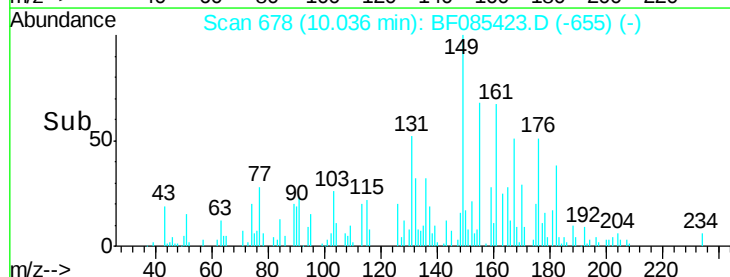
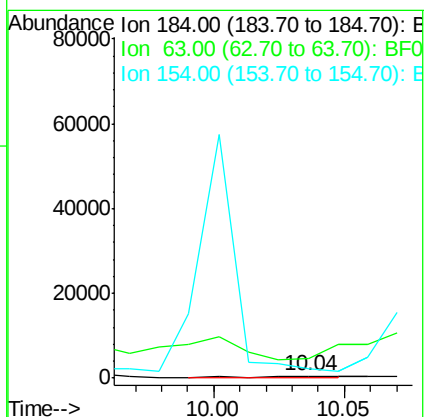
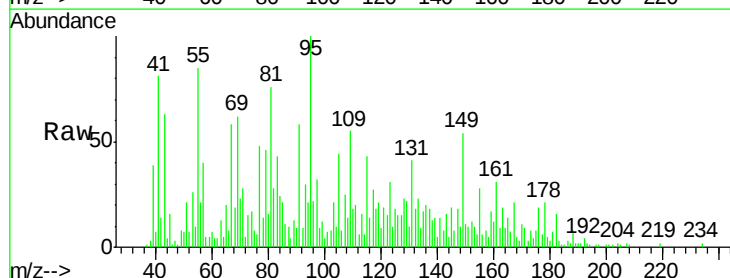
Tgt Ion:184 Resp: 1108

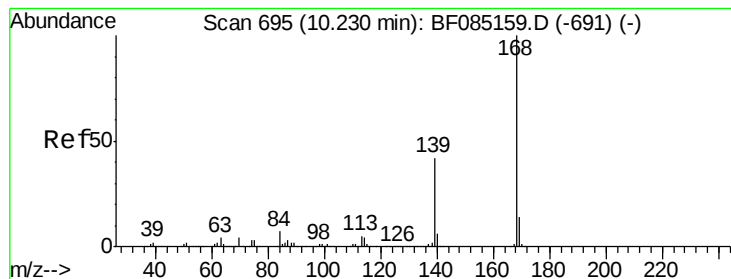
Ion Ratio Lower Upper

184 100

63 988.7 82.2 123.4#

154 485.9 108.9 163.3#





#54

Dibenzofuran

Concen: 2.54 ng

RT: 10.17 min Scan# 690

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

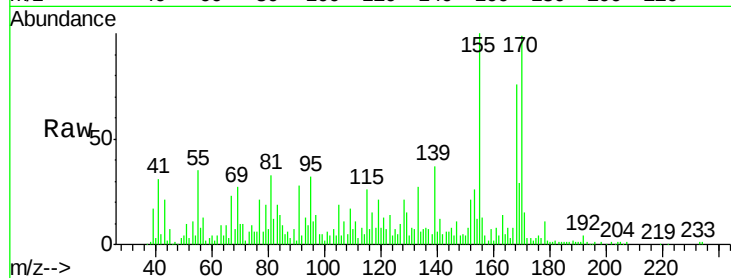
Tgt Ion:168 Resp: 62711

Ion Ratio Lower Upper

168 100

139 48.2 33.6 50.4

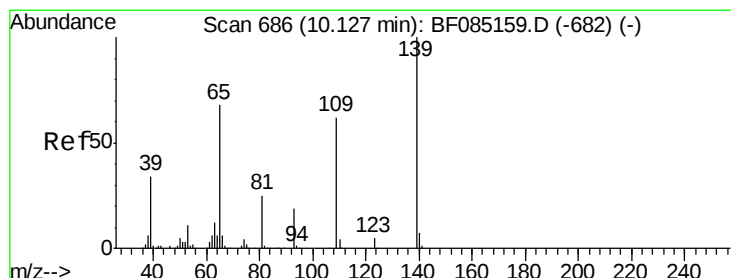
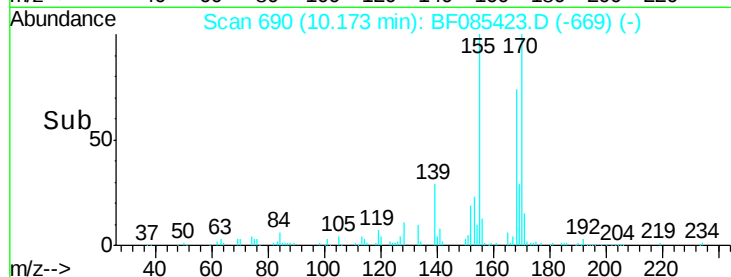
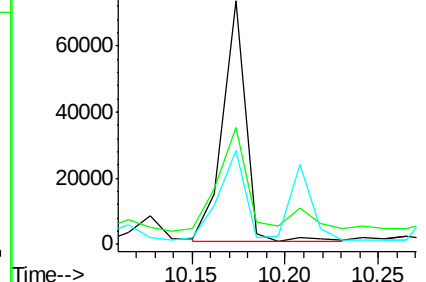
169 38.5 11.2 16.8#



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



#55

4-Nitrophenol

Concen: 2.47 ng

RT: 10.07 min Scan# 681

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

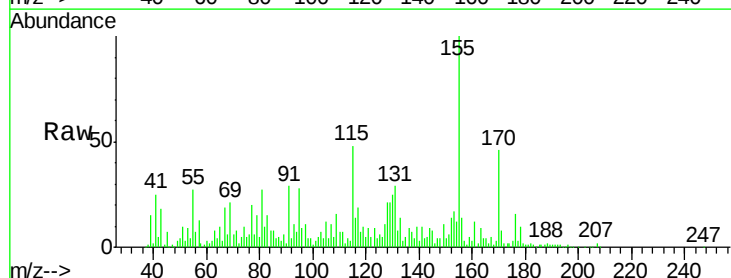
Tgt Ion:139 Resp: 11683

Ion Ratio Lower Upper

139 100

109 162.0 41.9 81.9#

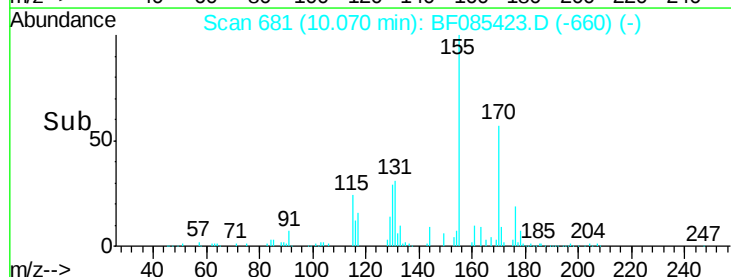
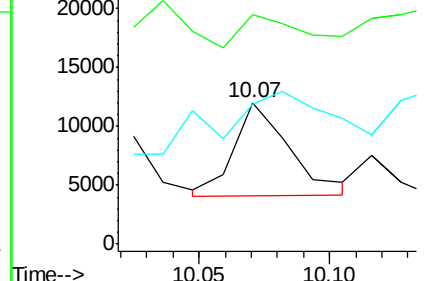
65 98.9 48.3 88.3#

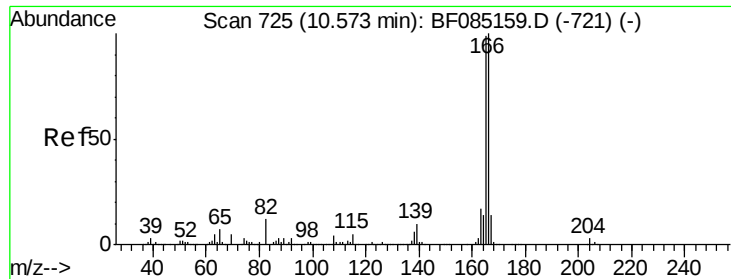


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

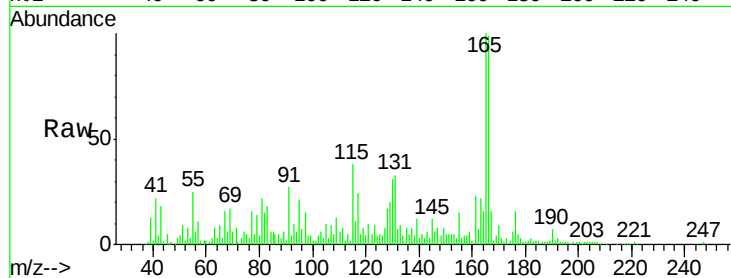




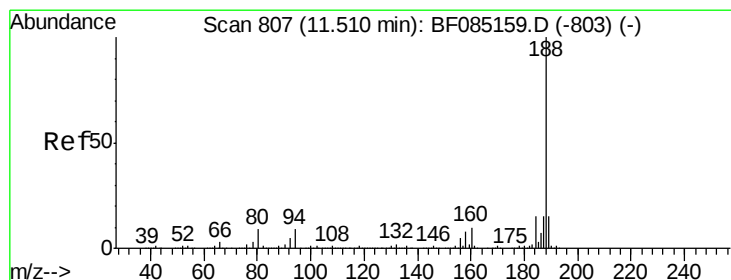
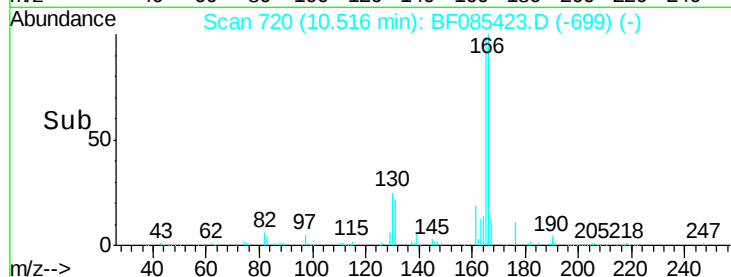
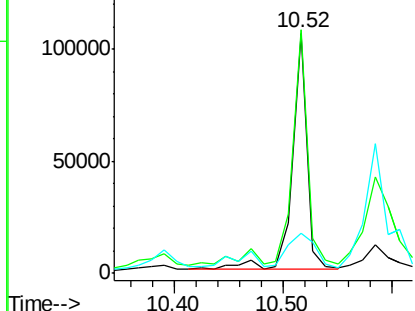
#57
Fluorene
 Concen: 5.06 ng
 RT: 10.52 min Scan# 720
 Delta R.T. -0.06 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

Instrument :
 BNA_F
 ClientSampleId :
 MNR-HARMON-BLDG-30-RW1DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.4	119.0
167	16.6	11.0	16.6#

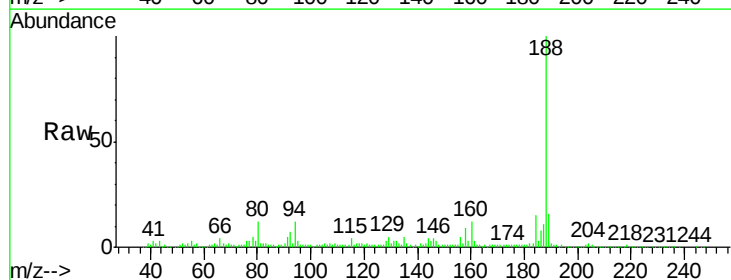


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

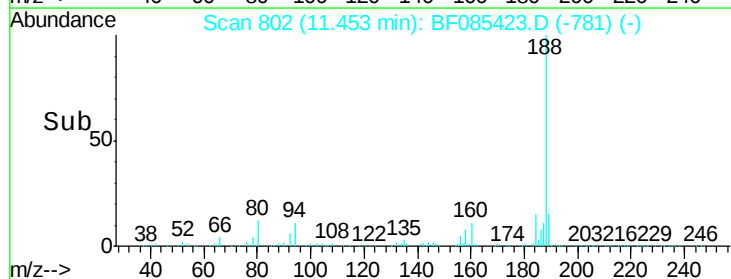
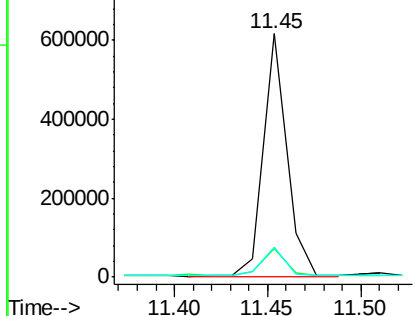


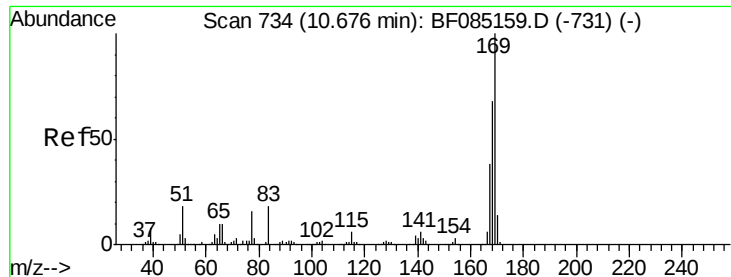
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085423.D
 Acq: 14 Mar 2016 12:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	7.0	10.6#
80	12.4	7.4	11.0#



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





#65

n-Nitrosodiphenylamine

Concen: 2.31 ng

RT: 10.63 min Scan# 730

Delta R.T. -0.05 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

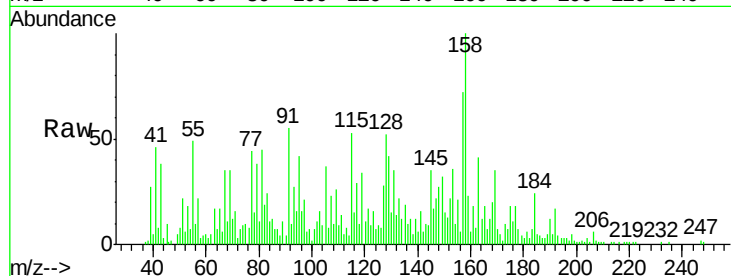
Tgt Ion:169 Resp: 38255

Ion Ratio Lower Upper

169 100

168 58.6 54.8 82.2

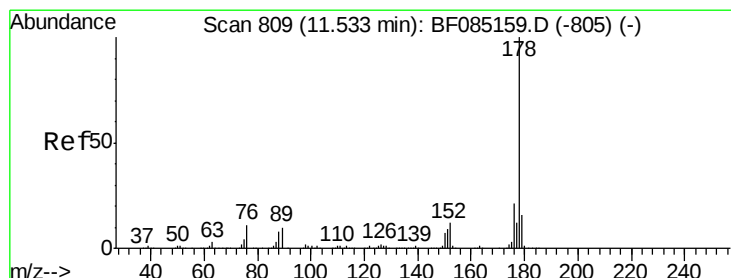
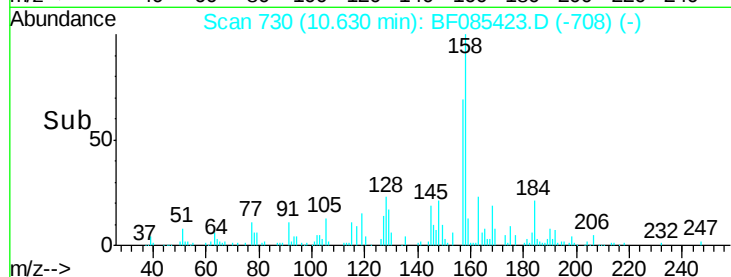
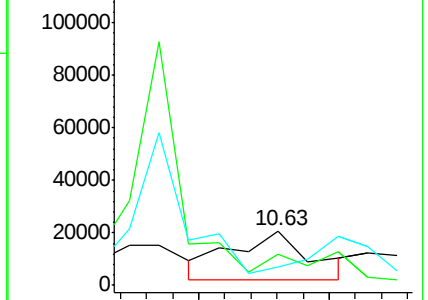
167 34.2 30.3 45.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 4.80 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

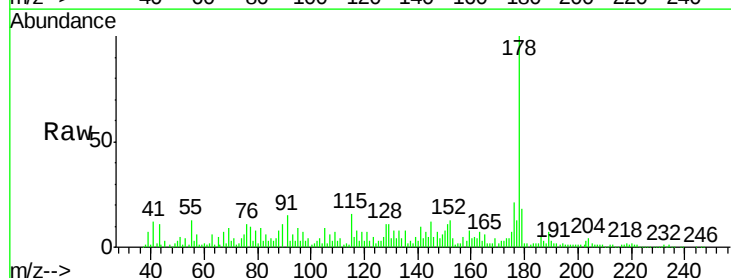
Tgt Ion:178 Resp: 133878

Ion Ratio Lower Upper

178 100

176 20.8 16.8 25.2

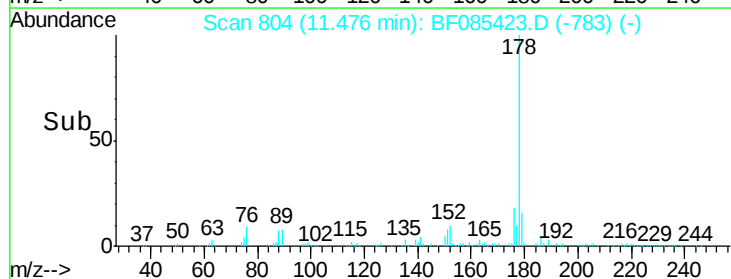
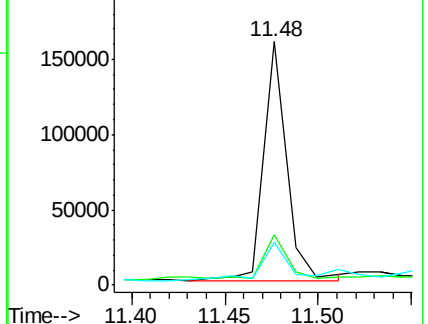
179 17.6 13.1 19.7

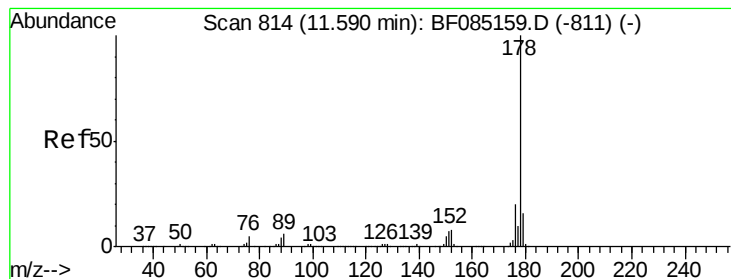


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.52 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.11 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

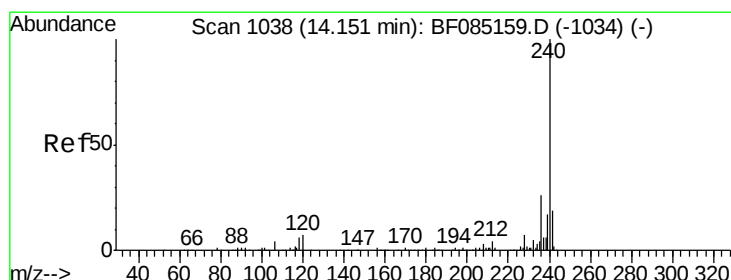
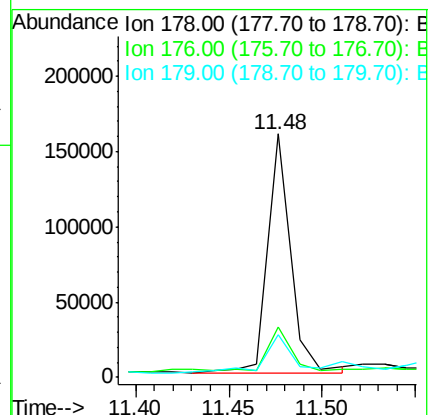
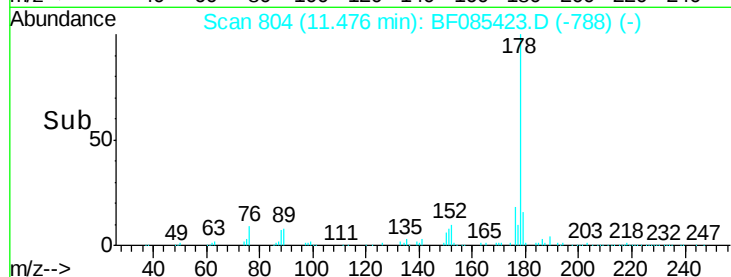
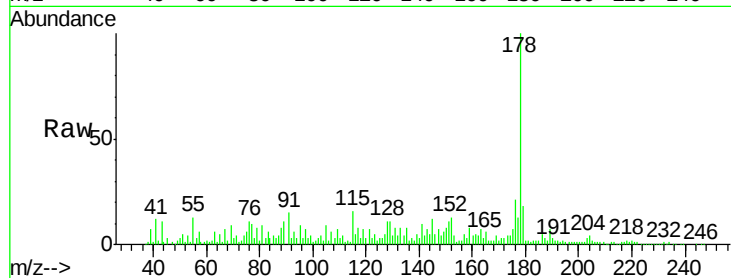
Tgt Ion:178 Resp: 133878

Ion Ratio Lower Upper

178 100

176 20.8 15.9 23.9

179 17.6 12.5 18.7



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

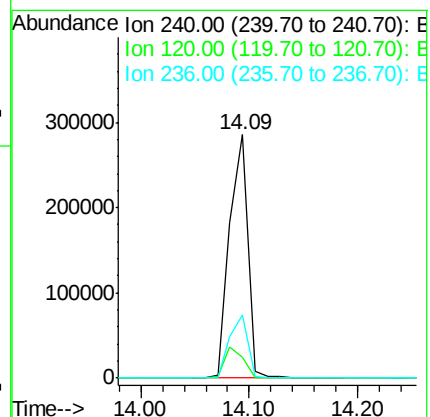
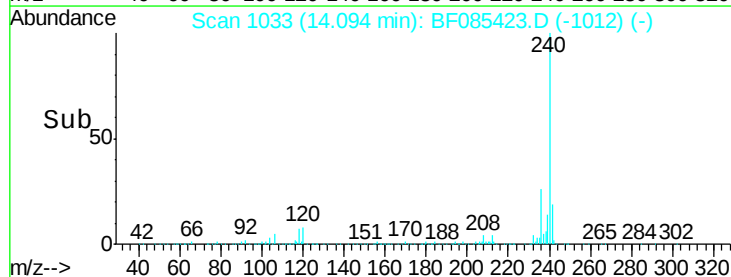
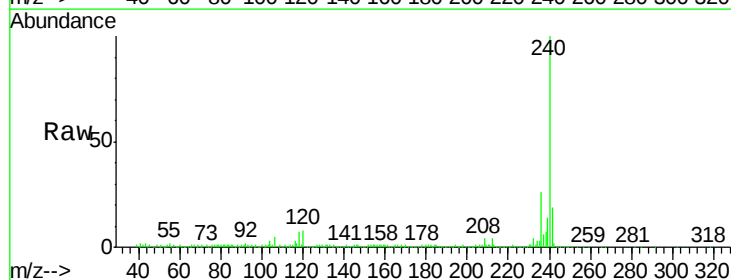
Tgt Ion:240 Resp: 330959

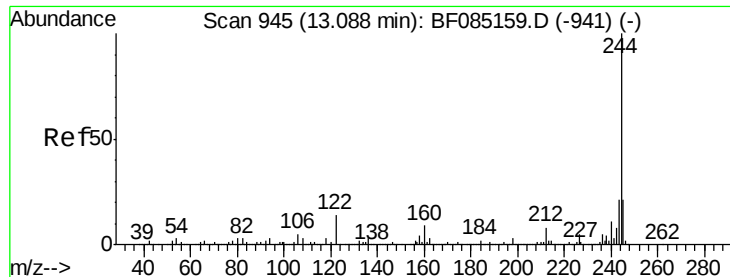
Ion Ratio Lower Upper

240 100

120 8.5 5.3 7.9#

236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 59.61 ng

RT: 13.04 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

Instrument :

BNA_F

ClientSampleId :

MNR-HARMON-BLDG-30-RW1DL

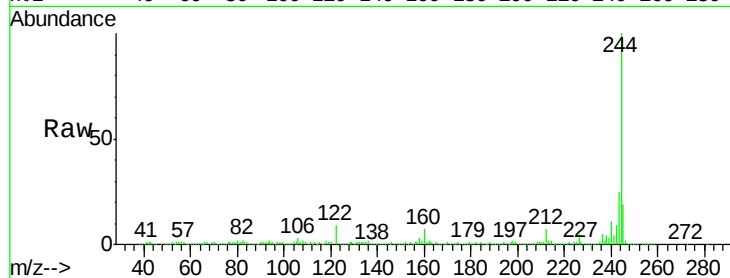
Tgt Ion:244 Resp: 849908

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

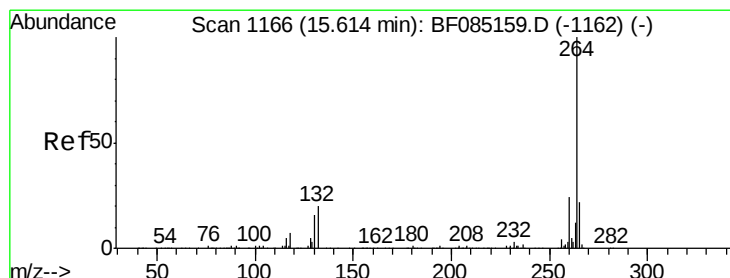
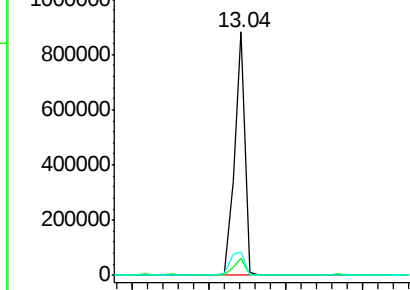
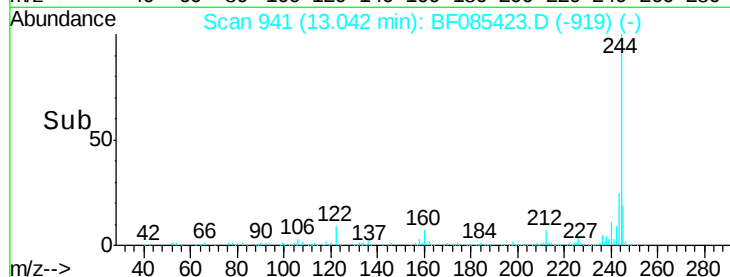
122 9.5 11.4 17.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.55 min Scan# 1160

Delta R.T. -0.07 min

Lab File: BF085423.D

Acq: 14 Mar 2016 12:32

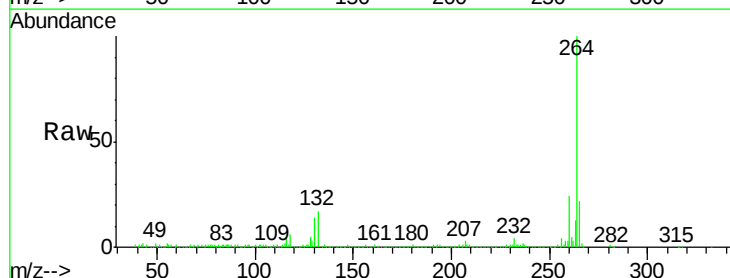
Tgt Ion:264 Resp: 253887

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.3 25.9



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

