

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022715\
 Data File : BF077507.D
 Acq On : 27 Feb 2015 15:32
 Operator : TP/IZ
 Sample : G1377-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33

Quant Time: Feb 27 22:39:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 22:28:54 2015
 Response via : Initial Calibration

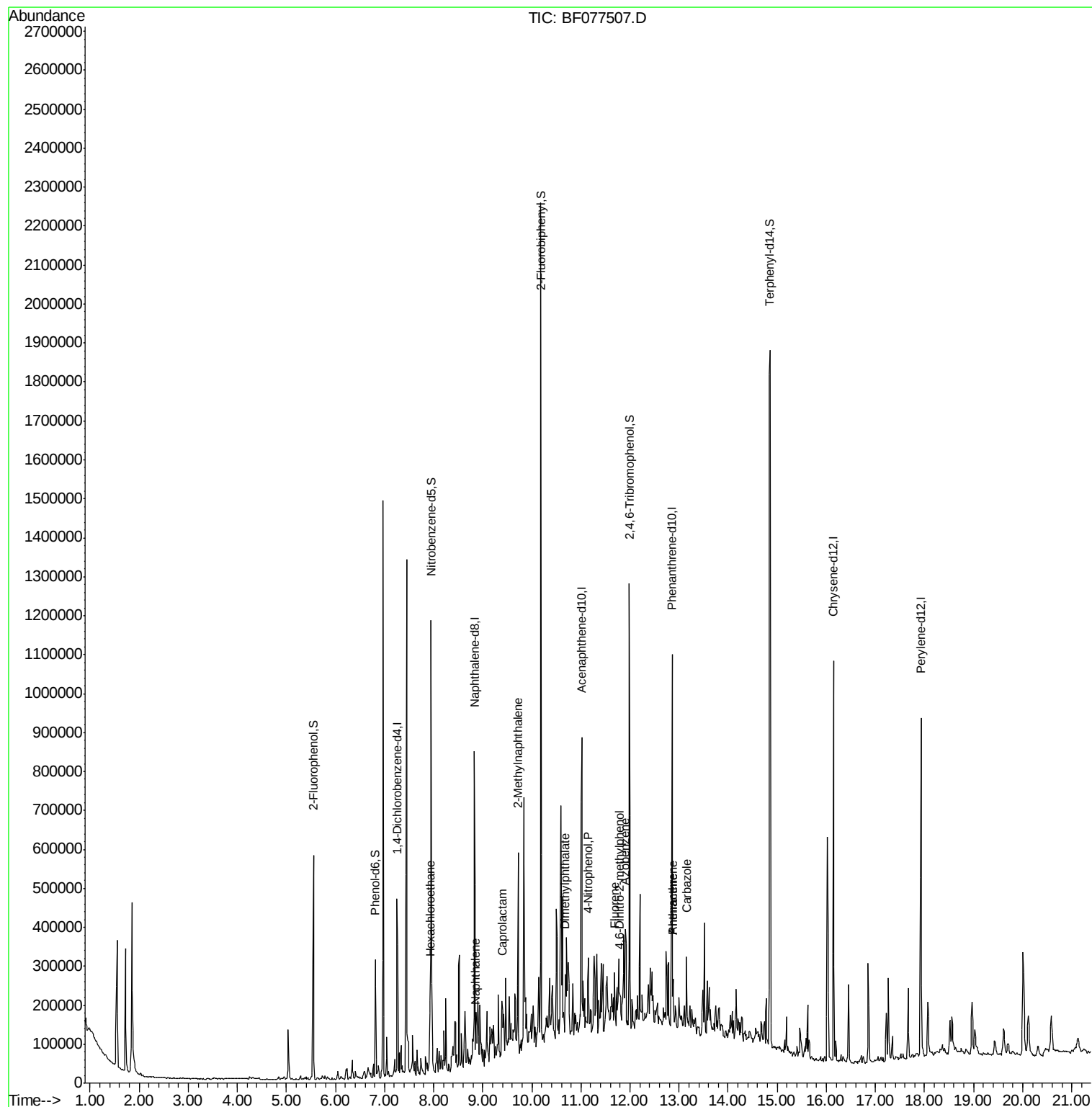
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	90961	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	347701	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	185190	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	368095	20.00	ng	0.00
75) Chrysene-d12	16.15	240	402034	20.00	ng	0.00
86) Perylene-d12	17.93	264	394277	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	188529	34.60	ng	0.00
7) Phenol-d6	6.81	99	136287	19.45	ng	0.00
23) Nitrobenzene-d5	7.95	82	338723	60.58	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	149167	83.65	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	680889	57.33	ng	0.00
78) Terphenyl-d14	14.85	244	912792	53.08	ng	0.00
Target Compounds						
18) Hexachloroethane	7.92	117	22962	9.66	ng	Qvalue # 26
31) Naphthalene	8.85	128	35154	2.02	ng	97
35) Caprolactam	9.40	113	3653	2.36	ng	# 1
37) 2-Methylnaphthalene	9.72	142	130270	10.55	ng	98
49) Dimethylphthalate	10.69	163	56921	4.37	ng	99
55) 4-Nitrophenol	11.15	139	5118	2.11	ng	# 83
57) Fluorene	11.69	166	31528	2.46	ng	# 93
62) Azobenzene	11.91	77	55299	4.54	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.80	198	738	4.18	ng	# 1
70) Phenanthrene	12.88	178	57046	2.67	ng	97
71) Anthracene	12.88	178	50226	2.37	ng	99
72) Carbazole	13.15	167	73761	3.66	ng	97

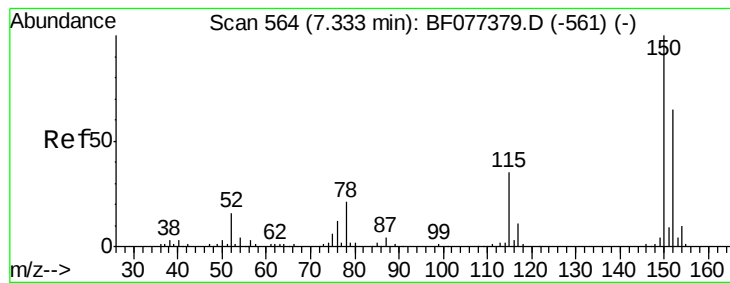
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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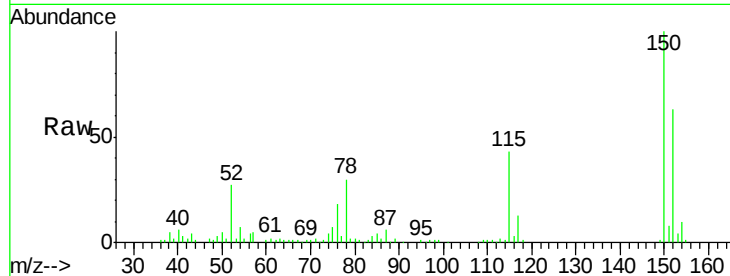


#1

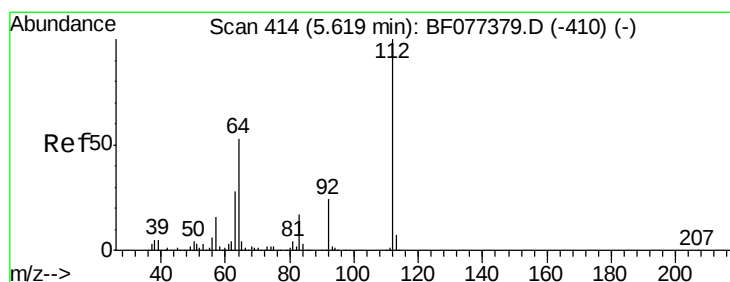
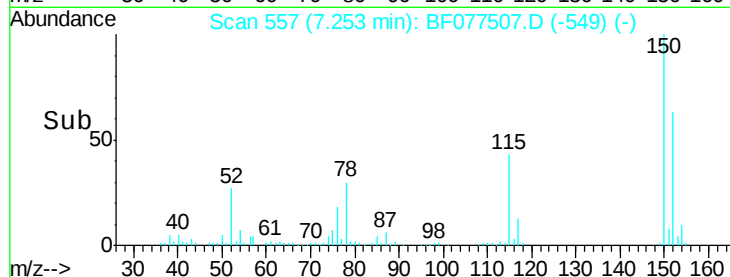
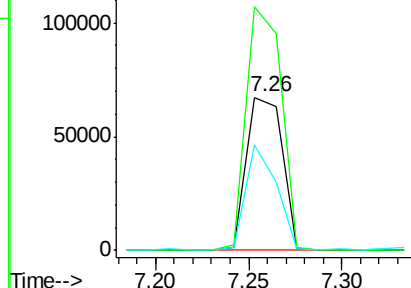
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.26 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Instrument :
 BNA_F
 ClientSampled :
 ERM-33

Tgt Ion:152 Resp: 90961
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.0 186.0
 115 68.7 49.4 74.2



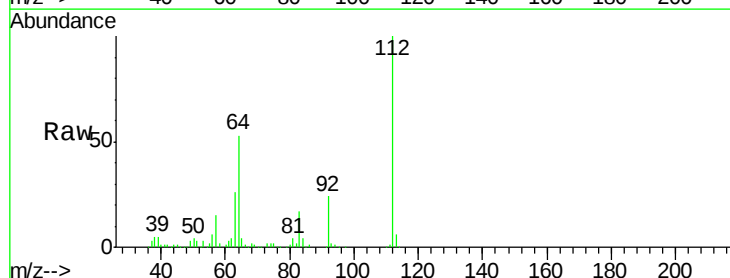
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



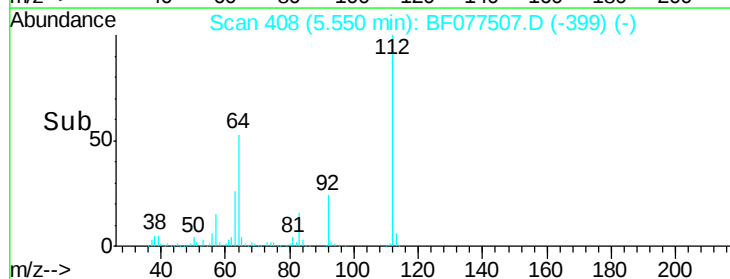
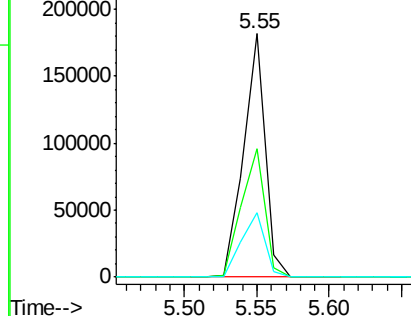
#5

2-Fluorophenol
 Concen: 34.60 ng
 RT: 5.55 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Tgt Ion:112 Resp: 188529
 Ion Ratio Lower Upper
 112 100
 64 52.8 48.5 72.7
 63 26.5 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: 19.45 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

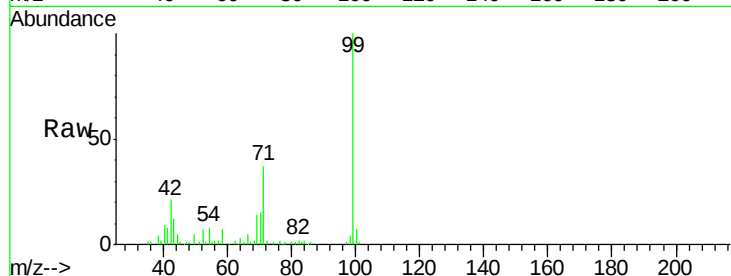
Tgt Ion: 99 Resp: 136287

Ion Ratio Lower Upper

99 100

42 21.1 16.2 24.4

71 37.1 26.7 40.1

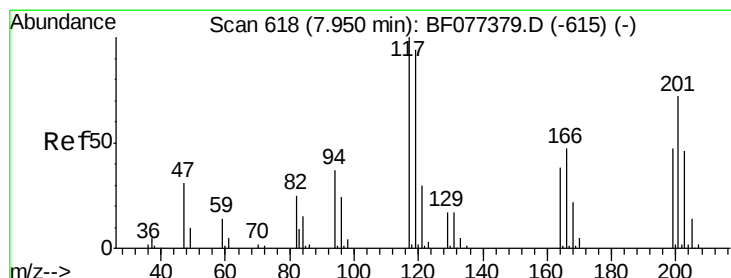
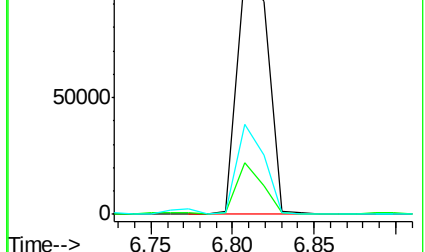
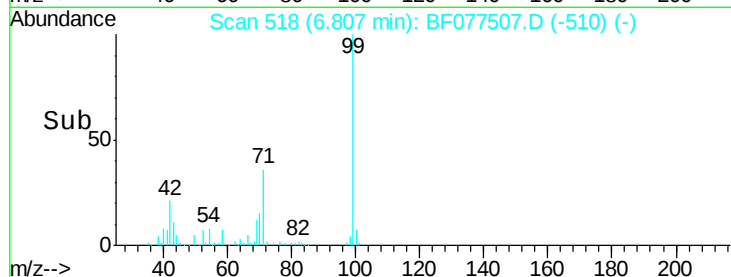


Abundance Ion 99.00 (98.70 to 99.70): BF077379.D (-520) (-)

Ion 42.00 (41.70 to 42.70): BF077379.D (-520) (-)

Ion 71.00 (70.70 to 71.70): BF077379.D (-520) (-)

Time-->



#18

Hexachloroethane

Concen: 9.66 ng

RT: 7.92 min Scan# 615

Delta R.T. 0.04 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

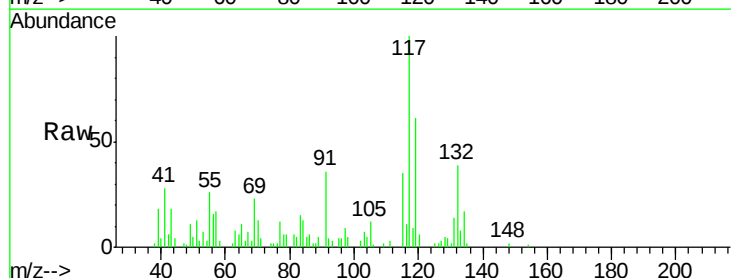
Tgt Ion: 117 Resp: 22962

Ion Ratio Lower Upper

117 100

119 61.5 77.8 116.8#

201 0.0 90.6 136.0#

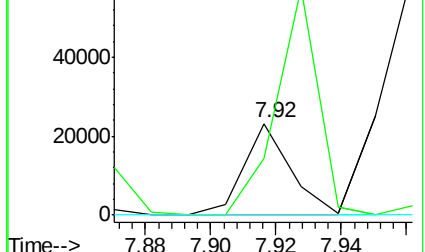
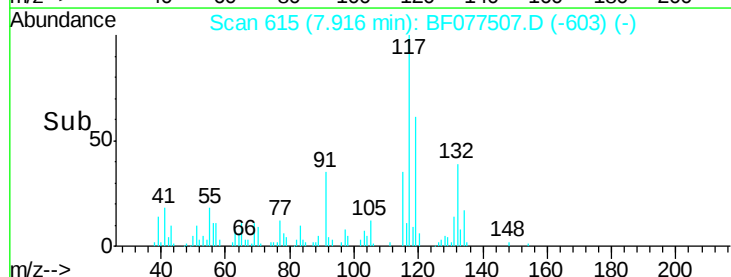


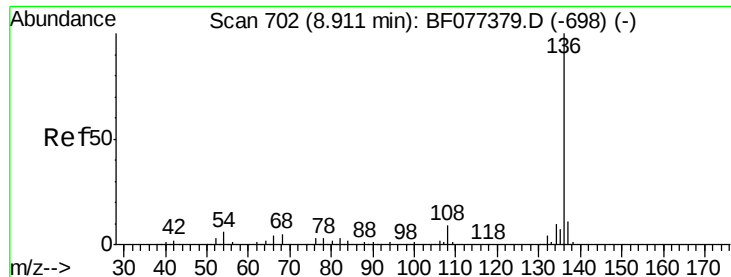
Abundance Ion 117.00 (116.70 to 117.70): BF077379.D (-615) (-)

Ion 119.00 (118.70 to 119.70): BF077379.D (-615) (-)

Ion 201.00 (200.70 to 201.70): BF077379.D (-615) (-)

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

Tgt Ion:136 Resp: 347701

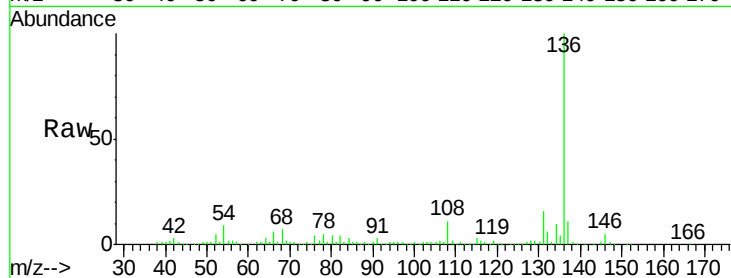
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 9.5 6.2 9.4#

68 6.9 5.0 7.6

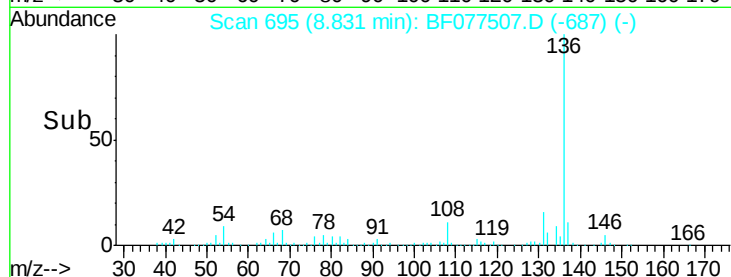


Abundance Ion 136.00 (135.70 to 136.70): E

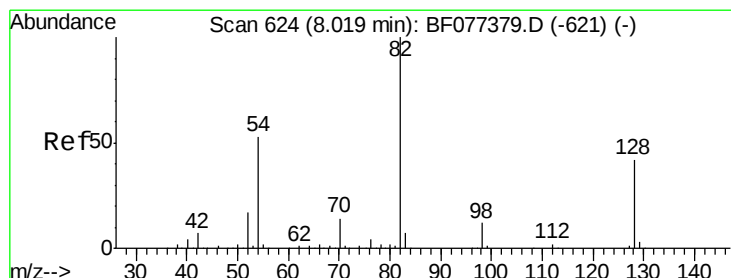
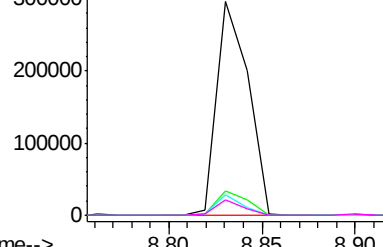
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 60.58 ng

RT: 7.95 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

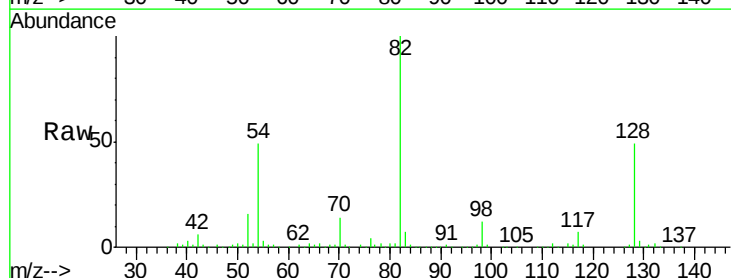
Tgt Ion: 82 Resp: 338723

Ion Ratio Lower Upper

82 100

128 48.7 43.8 65.8

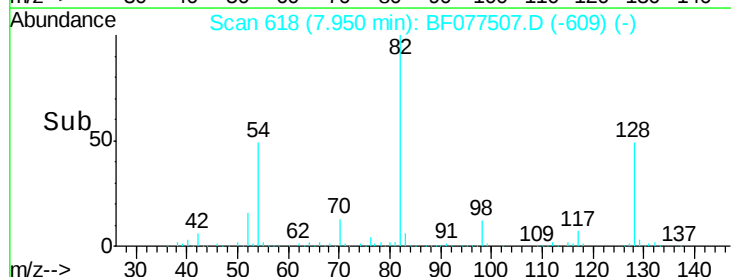
54 48.6 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

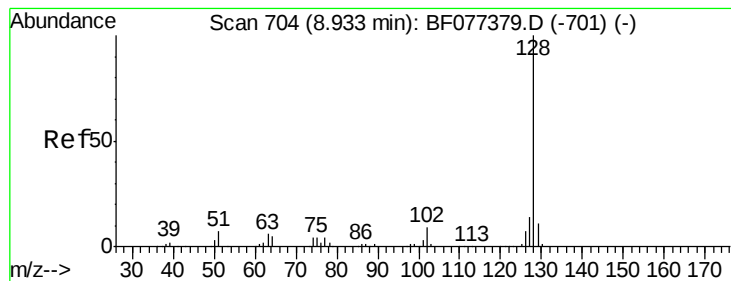
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 2.02 ng

RT: 8.85 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

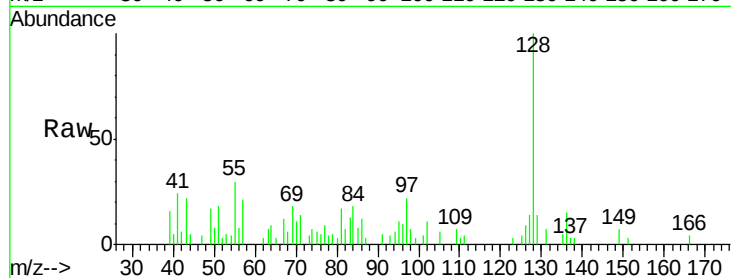
Tgt Ion:128 Resp: 35154

Ion Ratio Lower Upper

128 100

129 13.8 9.4 14.0

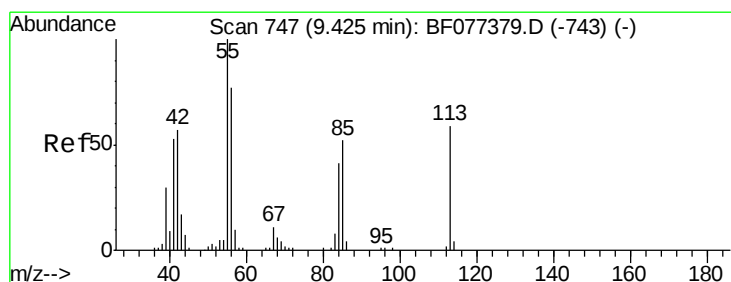
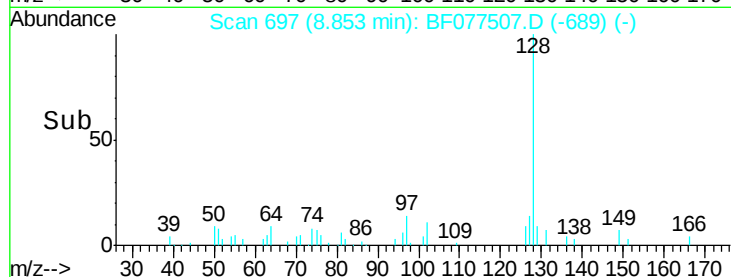
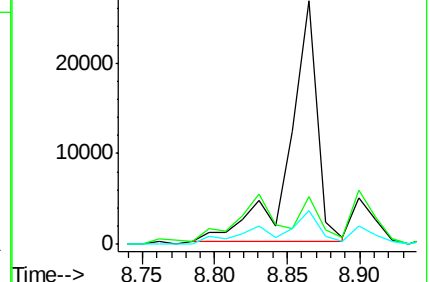
127 13.6 10.6 15.8



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



#35

Caprolactam

Concen: 2.36 ng

RT: 9.40 min Scan# 744

Delta R.T. 0.04 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

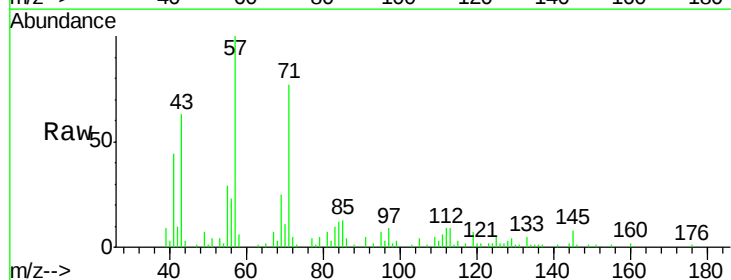
Tgt Ion:113 Resp: 3653

Ion Ratio Lower Upper

113 100

55 336.2 154.6 194.6#

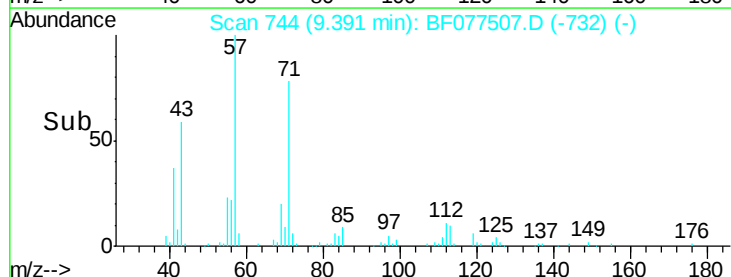
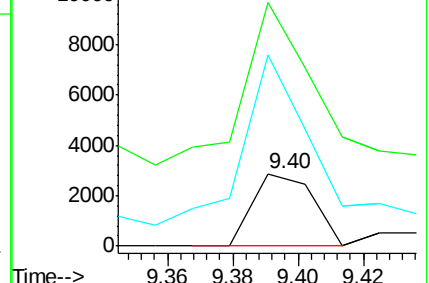
56 263.2 114.0 154.0#

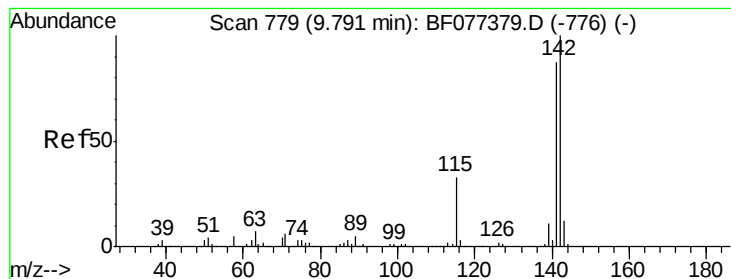


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 10.55 ng

RT: 9.72 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

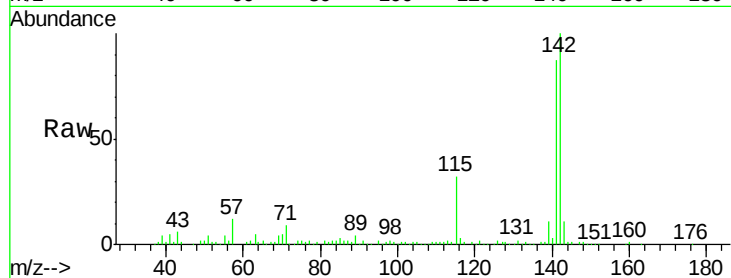
Tgt Ion:142 Resp: 130270

Ion Ratio Lower Upper

142 100

141 87.3 70.7 106.1

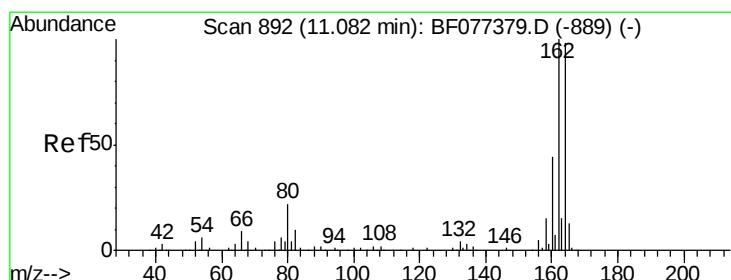
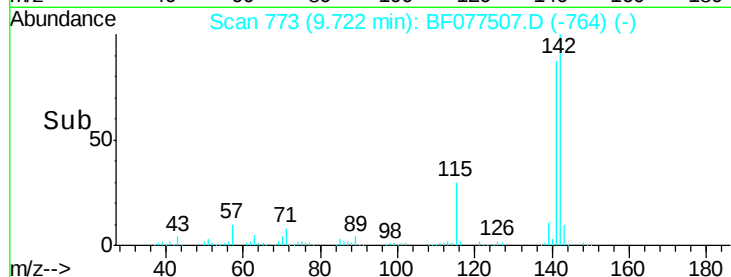
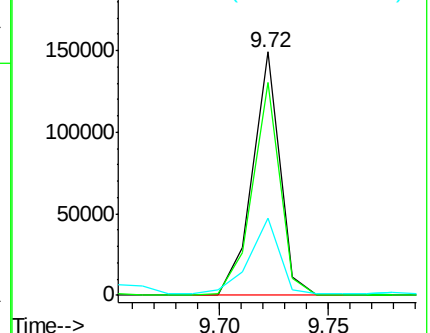
115 32.0 24.2 36.4



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: 11.01 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

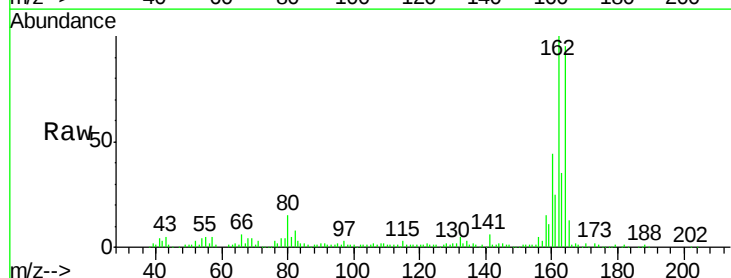
Tgt Ion:164 Resp: 185190

Ion Ratio Lower Upper

164 100

162 104.7 83.2 124.8

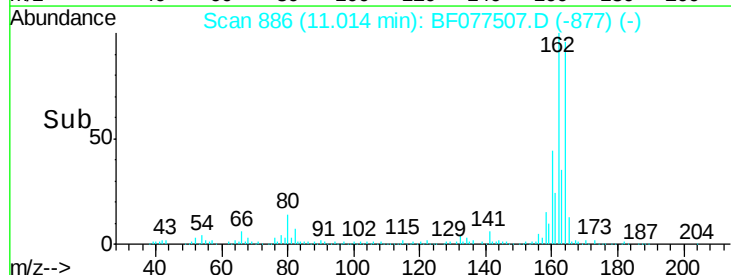
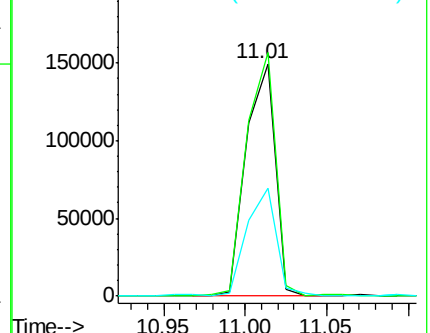
160 46.6 34.6 52.0

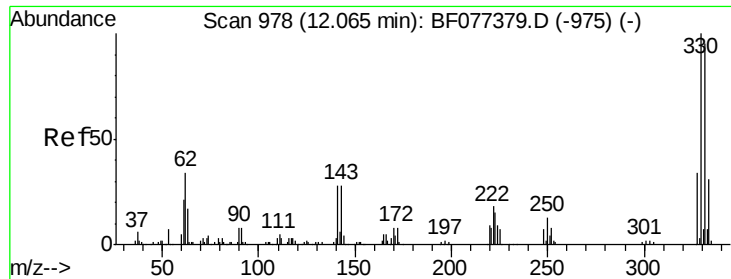


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

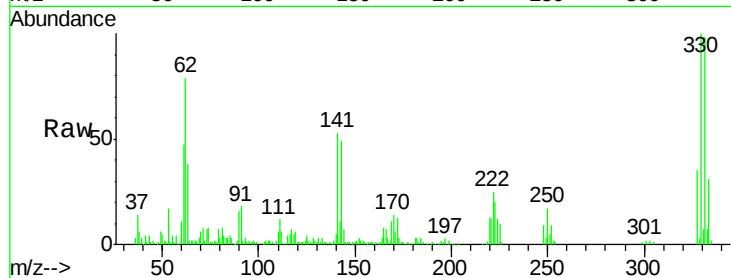




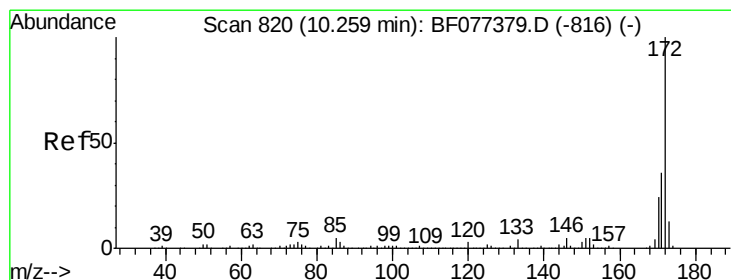
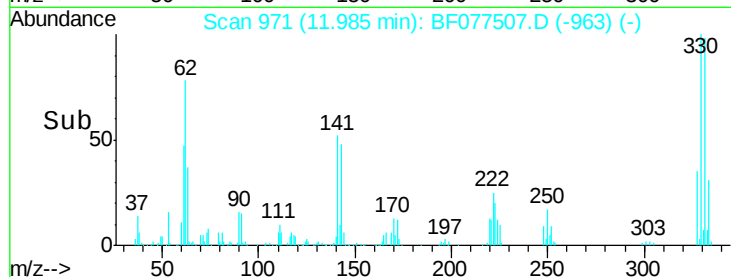
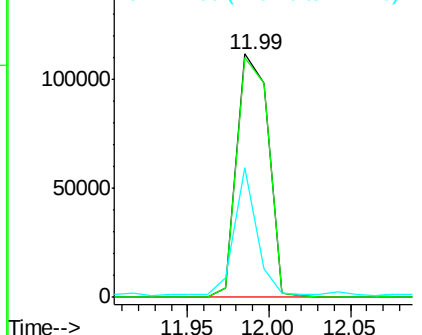
#41
 2,4,6-Tribromophenol
 Concen: 83.65 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Instrument :
 BNA_F
 ClientSampled :
 ERM-33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.2
141	36.7	28.8	43.2

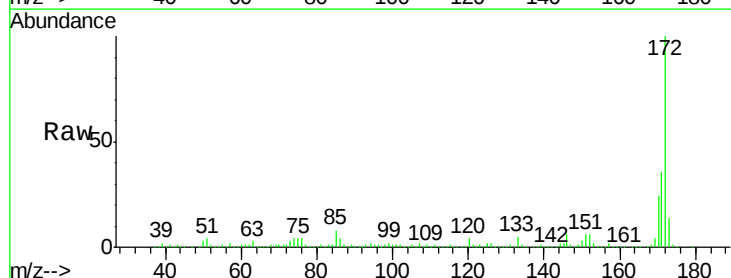


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

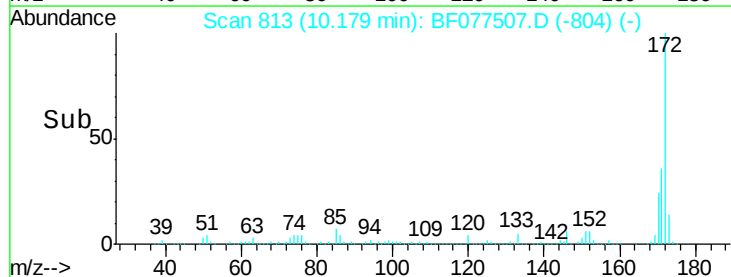
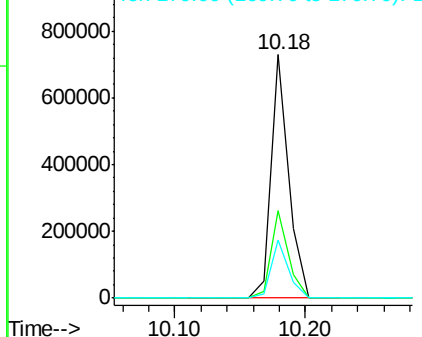


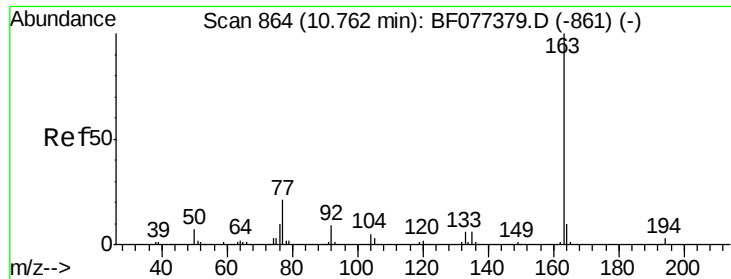
#44
 2-Fluorobiphenyl
 Concen: 57.33 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	23.7	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

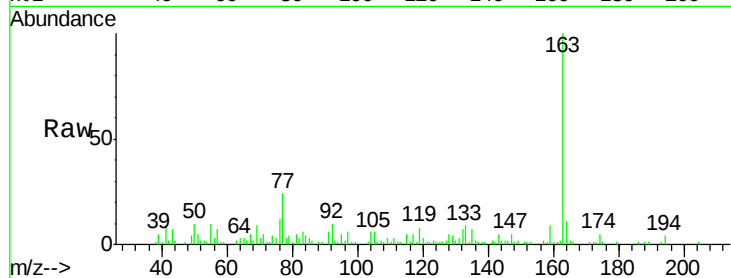




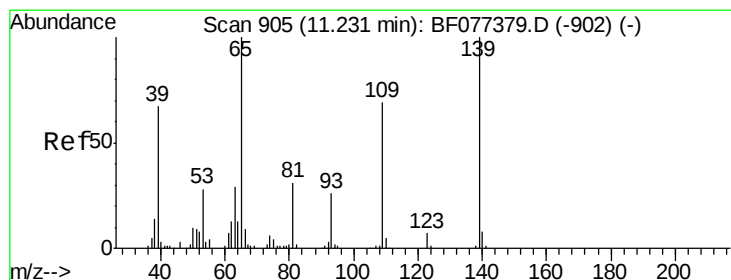
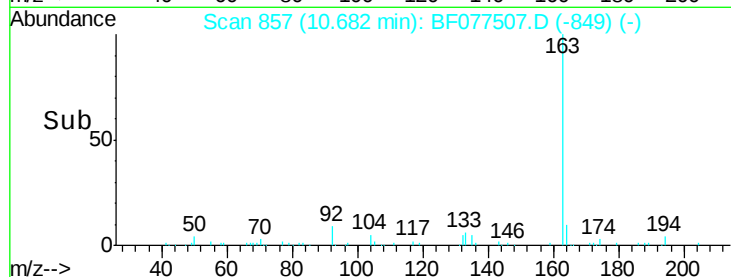
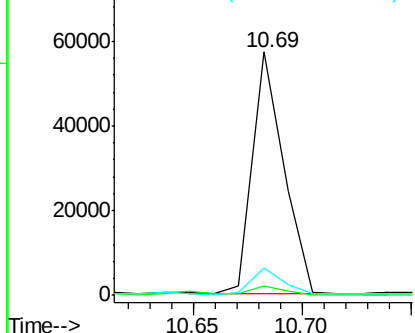
#49
Dimethylphthalate
Concen: 4.37 ng
RT: 10.69 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF077507.D
Acq: 27 Feb 2015 15:32

Instrument :
BNA_F
ClientSampleId :
ERM-33

Tgt Ion:163 Resp: 56921
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 11.1 8.6 13.0

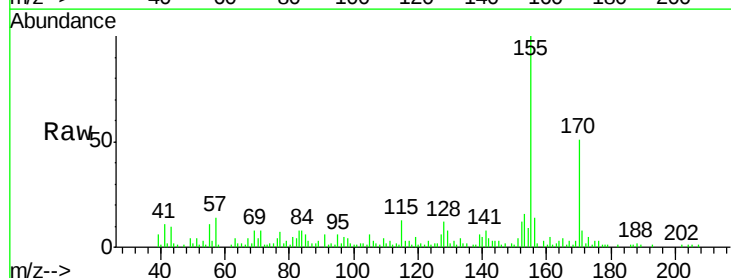


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

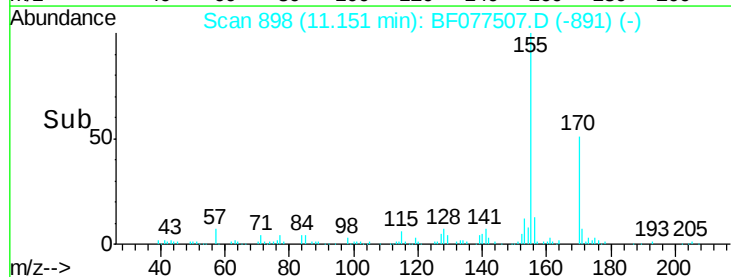
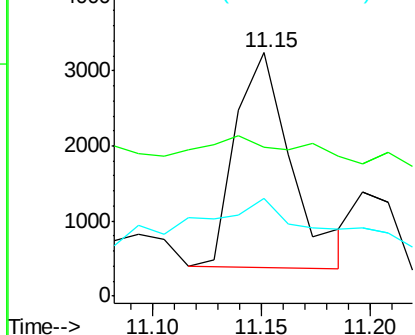


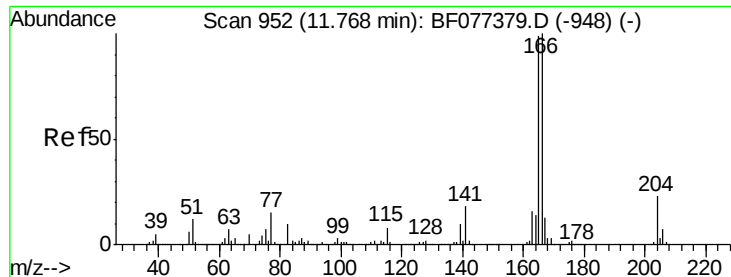
#55
4-Nitrophenol
Concen: 2.11 ng
RT: 11.15 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF077507.D
Acq: 27 Feb 2015 15:32

Tgt Ion:139 Resp: 5118
Ion Ratio Lower Upper
139 100
109 61.0 36.2 76.2
65 39.9 40.3 80.3#



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: 2.46 ng

RT: 11.69 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

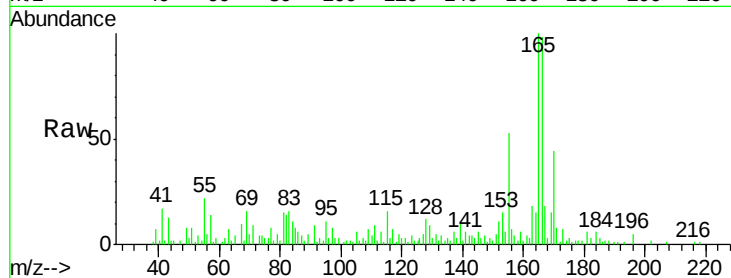
Tgt Ion:166 Resp: 31528

Ion Ratio Lower Upper

166 100

165 102.5 77.6 116.4

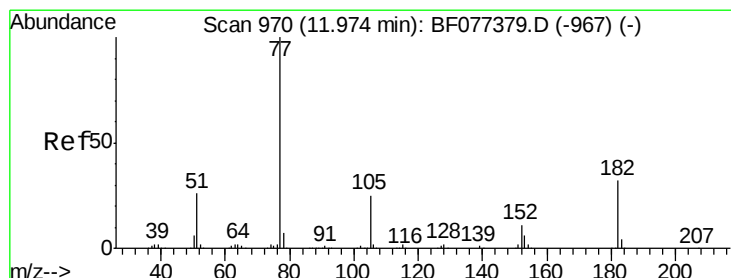
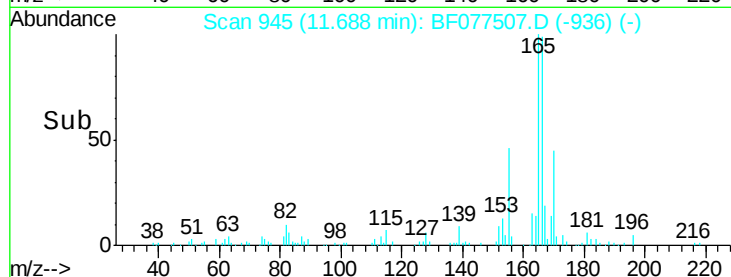
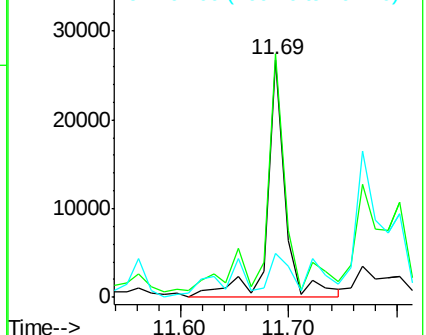
167 18.7 10.6 16.0#



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



#62

Azobenzene

Concen: 4.54 ng

RT: 11.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Tgt Ion: 77 Resp: 55299

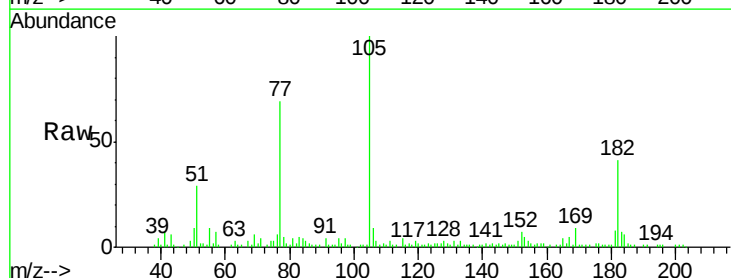
Ion Ratio Lower Upper

77 100

182 58.8 4.9 44.9#

105 144.2 3.3 43.3#

51 41.2 8.9 48.9

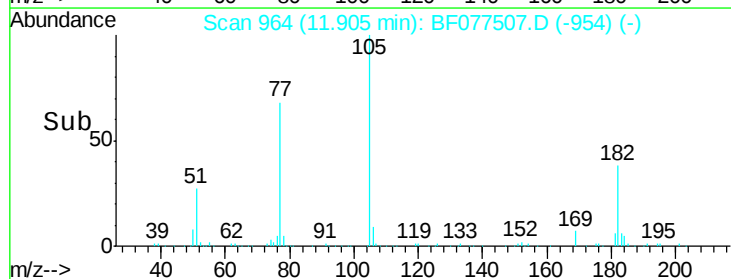
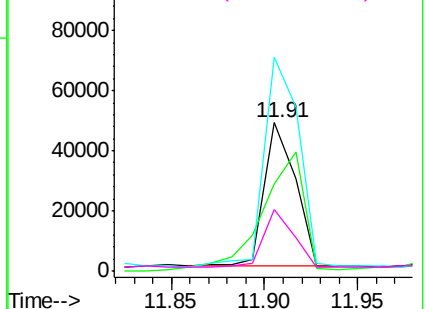


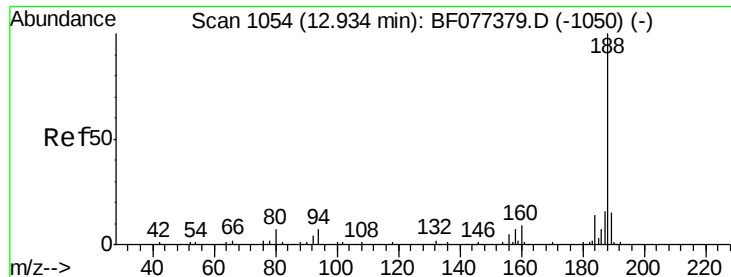
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

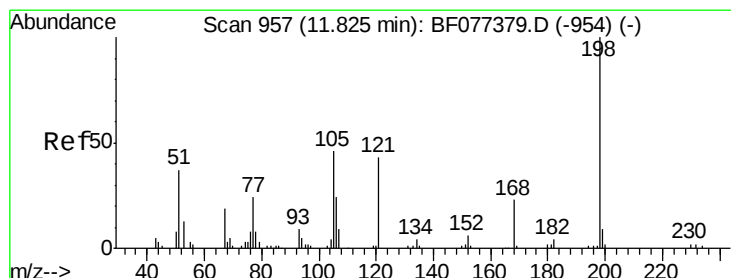
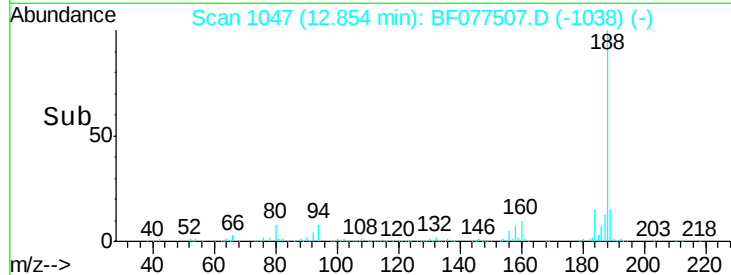
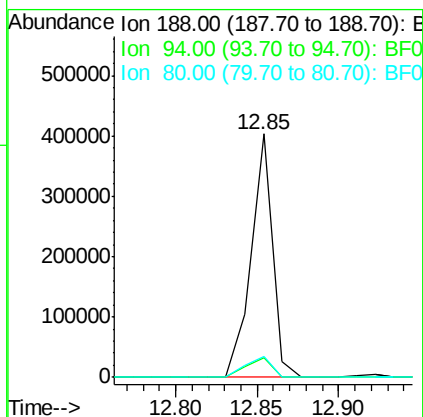
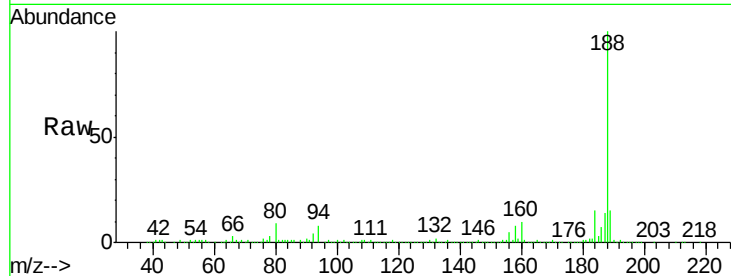




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.85 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF077507.D
Acq: 27 Feb 2015 15:32

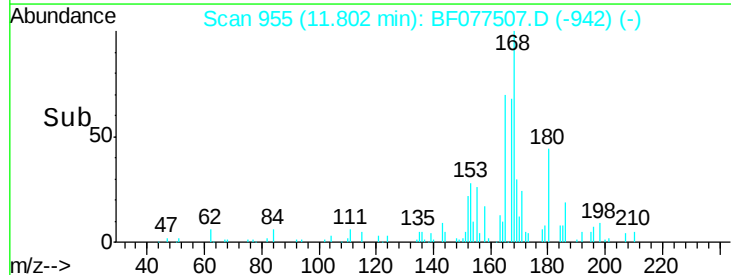
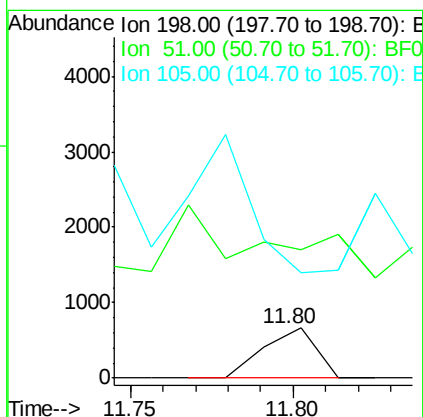
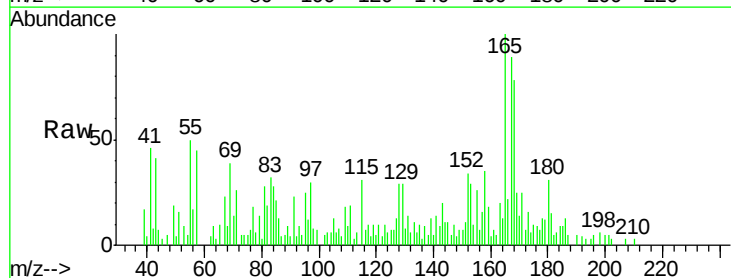
Instrument :
BNA_F
ClientSampled :
ERM-33

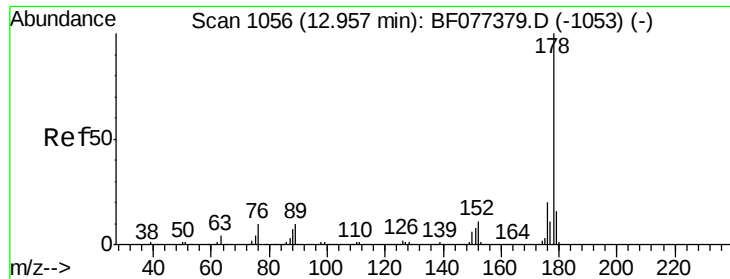
Tgt Ion:188 Resp: 368095
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.5 8.0 12.0



#64
4,6-Dinitro-2-methylphenol
Concen: 4.18 ng
RT: 11.80 min Scan# 955
Delta R.T. 0.04 min
Lab File: BF077507.D
Acq: 27 Feb 2015 15:32

Tgt Ion:198 Resp: 738
Ion Ratio Lower Upper
198 100
51 257.7 2.7 42.7#
105 210.8 10.0 50.0#





#70

Phenanthrene

Concen: 2.67 ng

RT: 12.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

Instrument :

BNA_F

ClientSampleId :

ERM-33

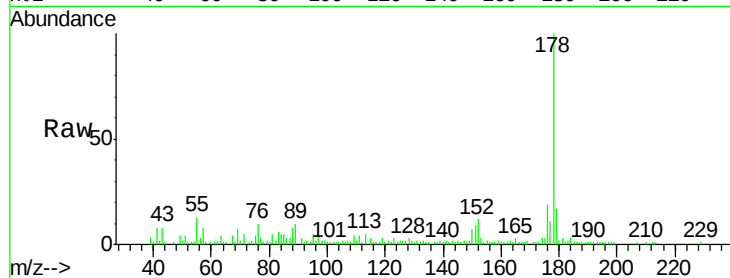
Tgt Ion:178 Resp: 57046

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

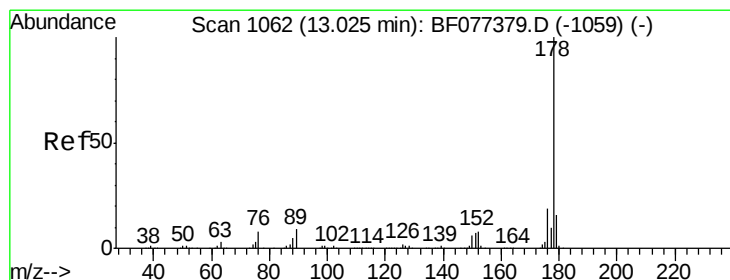
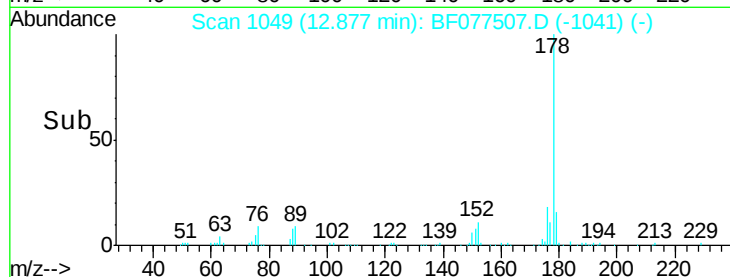
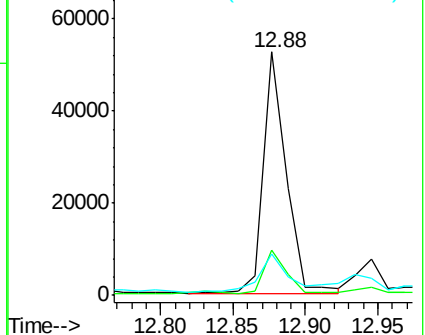
179 17.0 12.2 18.2



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



#71

Anthracene

Concen: 2.37 ng

RT: 12.88 min Scan# 1049

Delta R.T. -0.07 min

Lab File: BF077507.D

Acq: 27 Feb 2015 15:32

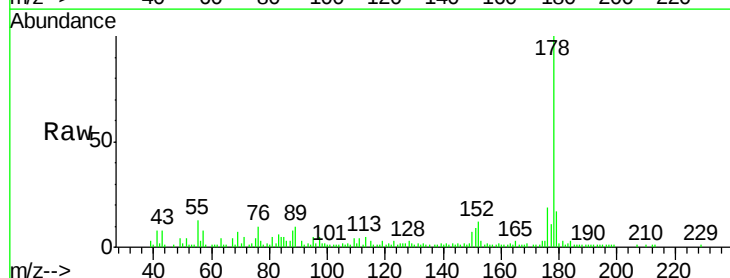
Tgt Ion:178 Resp: 50226

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

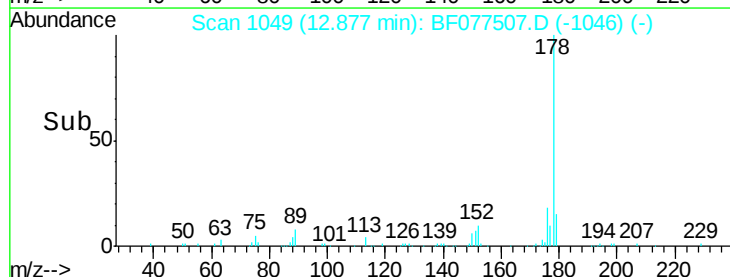
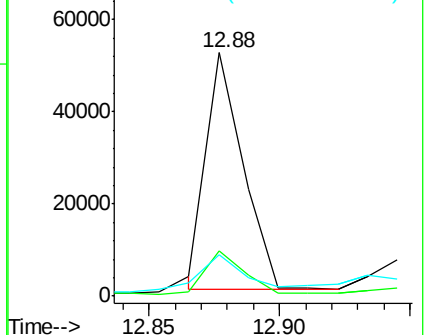
179 17.0 12.9 19.3

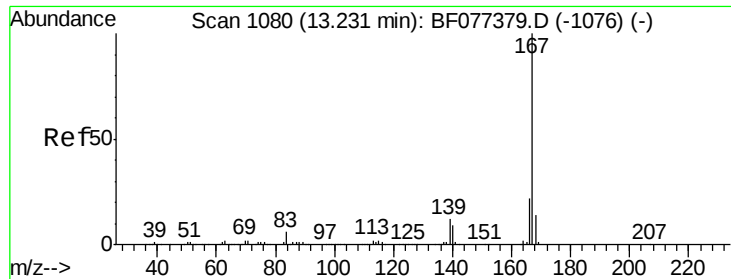


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

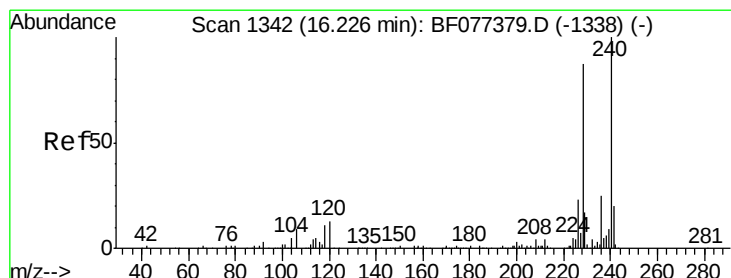
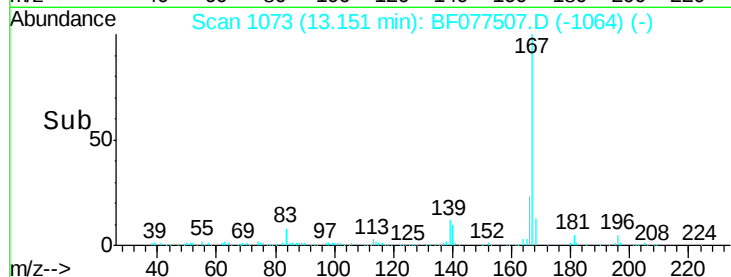
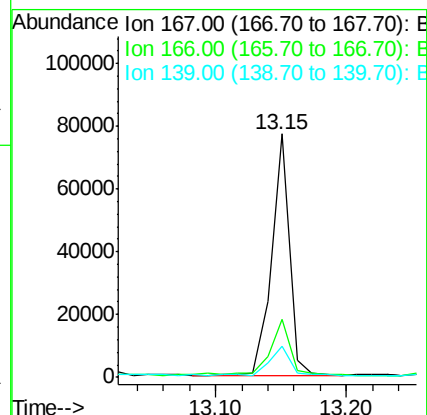
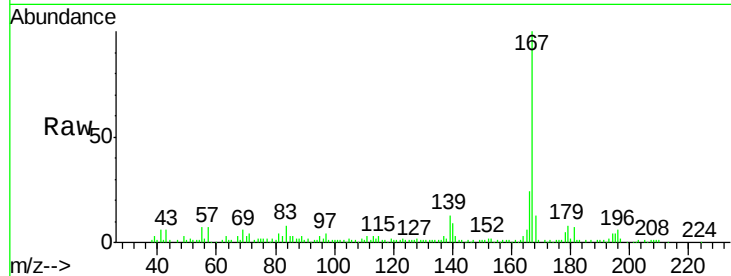




#72
 Carbazole
 Concen: 3.66 ng
 RT: 13.15 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

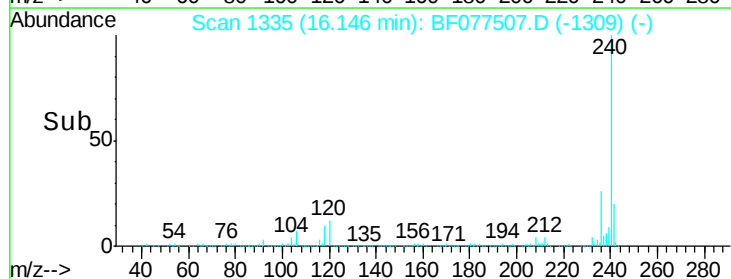
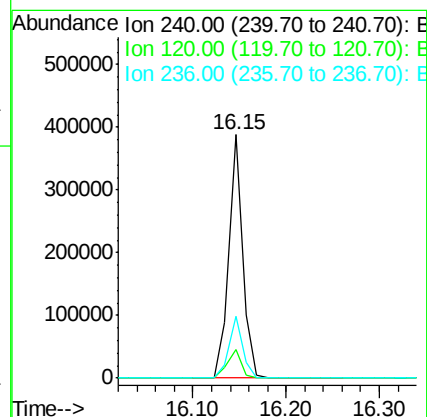
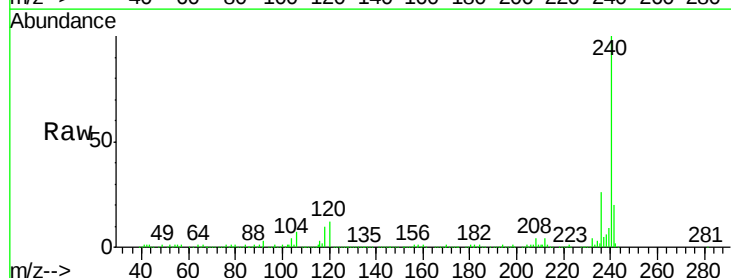
Instrument :
 BNA_F
 ClientSampled :
 ERM-33

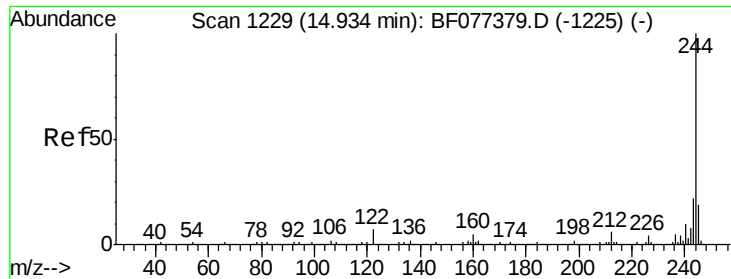
Tgt Ion:167 Resp: 73761
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.6 26.4
 139 12.8 9.9 14.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.15 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Tgt Ion:240 Resp: 402034
 Ion Ratio Lower Upper
 240 100
 120 11.9 8.8 13.2
 236 25.6 20.7 31.1

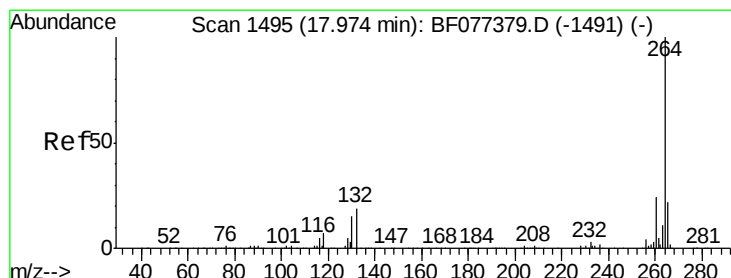
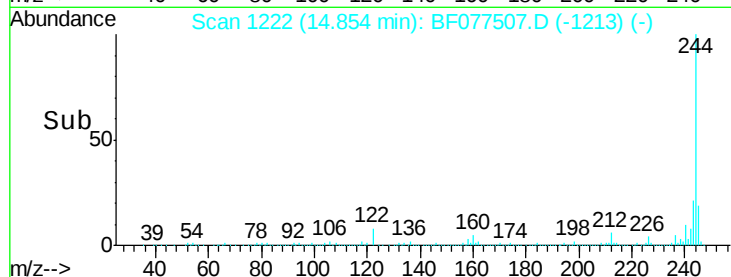
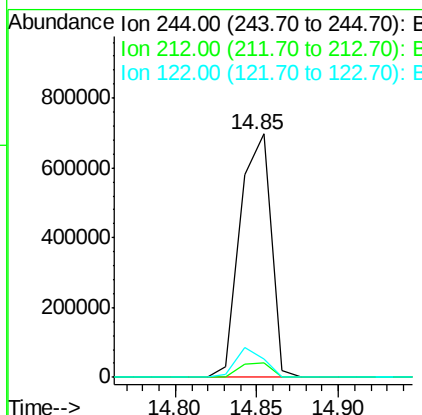
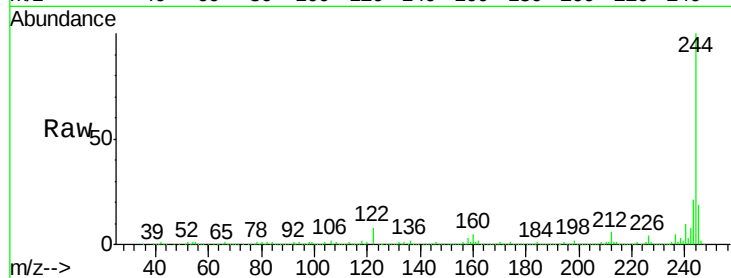




#78
 Terphenyl-d14
 Concen: 53.08 ng
 RT: 14.85 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Instrument :
 BNA_F
 ClientSampleId :
 ERM-33

Tgt Ion:244 Resp: 912792
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.2 7.8
 122 7.7 7.8 11.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.93 min Scan# 1491
 Delta R.T. 0.02 min
 Lab File: BF077507.D
 Acq: 27 Feb 2015 15:32

Tgt Ion:264 Resp: 394277
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.3 28.9
 265 21.8 16.8 25.2

