

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
 Data File : BF079716.D
 Acq On : 4 Jun 2015 21:59
 Operator : TP/IZ
 Sample : G2491-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS043MW011-150601

Quant Time: Jun 06 01:51:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 19:33:57 2015
 Response via : Initial Calibration

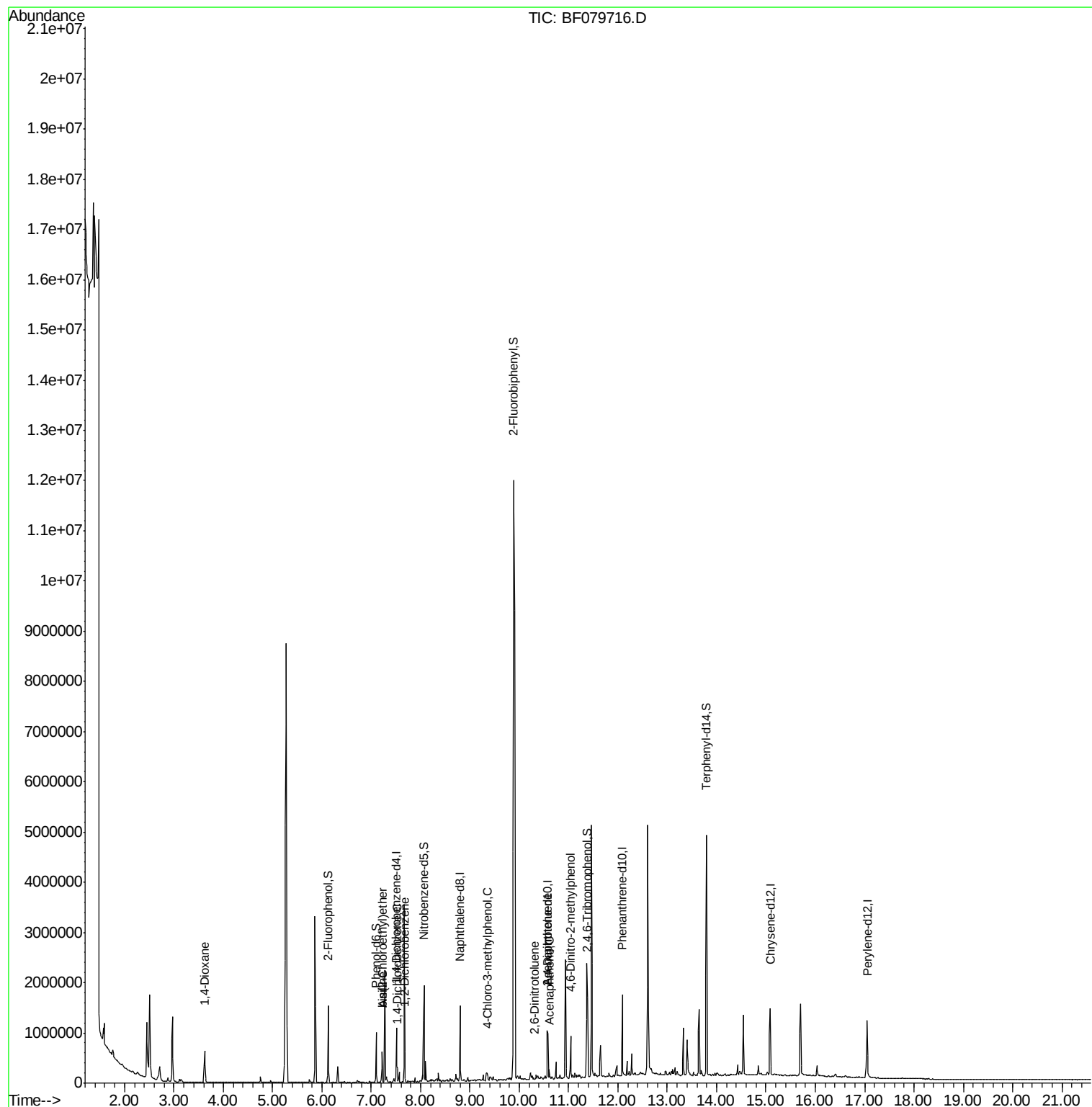
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	145497	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	547834	20.00	ng	0.00
38) Acenaphthene-d10	10.57	164	276361	20.00	ng	-0.01
63) Phenanthrene-d10	12.09	188	585782	20.00	ng	-0.01
75) Chrysene-d12	15.09	240	617368	20.00	ng	-0.08
86) Perylene-d12	17.05	264	576543	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	358551	42.26	ng	0.00
7) Phenol-d6	7.10	99	287892	26.06	ng	0.00
23) Nitrobenzene-d5	8.07	82	755099	83.92	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	337665	136.06	ng	0.01
44) 2-Fluorobiphenyl	9.88	172	1321729	69.24	ng	0.01
78) Terphenyl-d14	13.79	244	1708541	65.20	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.62	88	339894	88.67	ng	99
6) Aniline	7.22	93	218867	14.23	ng	# 57
11) bis(2-Chloroethyl)ether	7.22	93	218867	23.02	ng	93
13) 1,4-Dichlorobenzene	7.53	146	86090	7.29	ng	96
14) 1,2-Dichlorobenzene	7.68	146	36069	3.46	ng	# 84
36) 4-Chloro-3-methylphenol	9.35	107	28690	3.54	ng	# 13
50) 2,6-Dinitrotoluene	10.31	165	804	3.24	ng	# 80
51) Acenaphthene	10.60	154	43406	2.39	ng	97
56) 2,4-Dinitrotoluene	10.57	165	35938	7.97	ng	# 36
64) 4,6-Dinitro-2-methylphenol	11.04	198	2912	4.92	ng	# 33

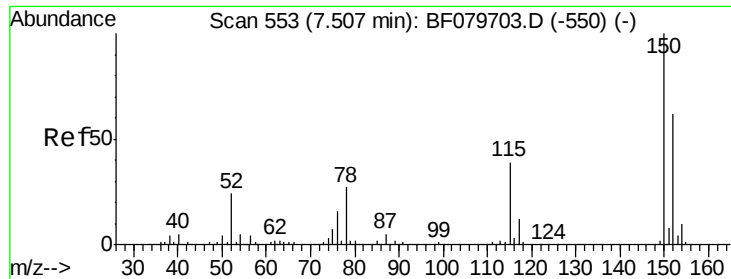
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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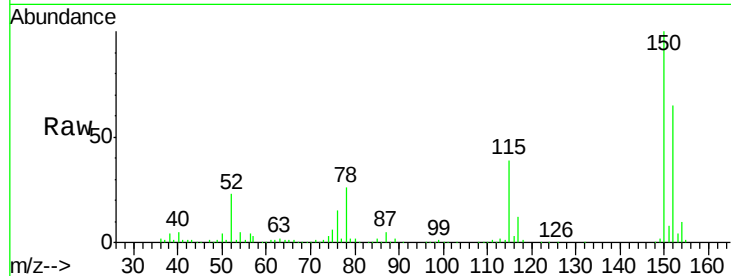


#1

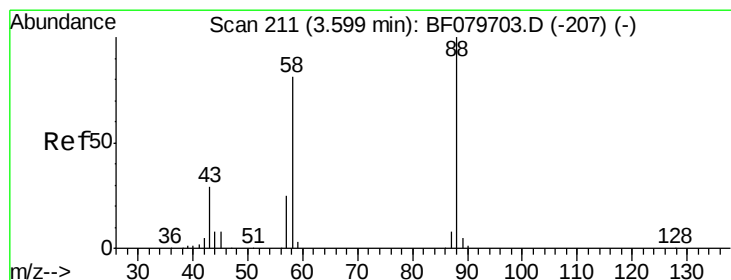
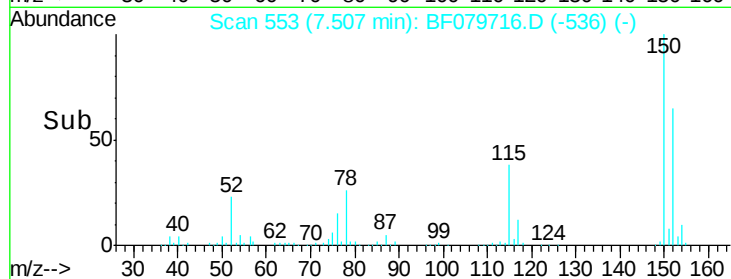
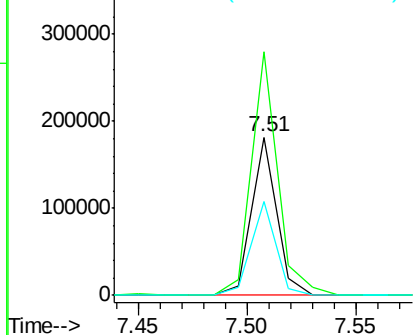
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF079716.D
Acq: 4 Jun 2015 21:59

Instrument :
BNA_F
ClientSampleId :
SS043MW011-150601

Tgt Ion:152 Resp: 145497
Ion Ratio Lower Upper
152 100
150 154.2 128.1 192.1
115 59.5 49.7 74.5



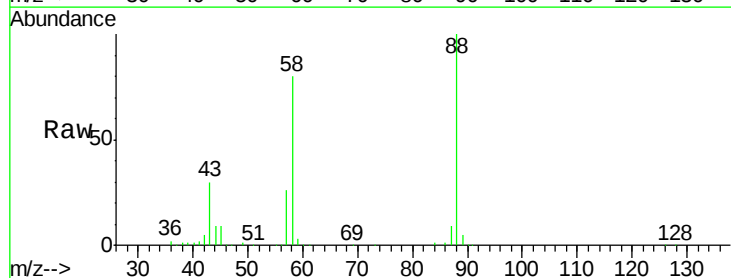
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



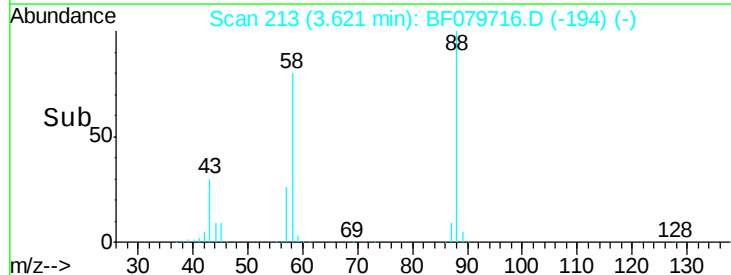
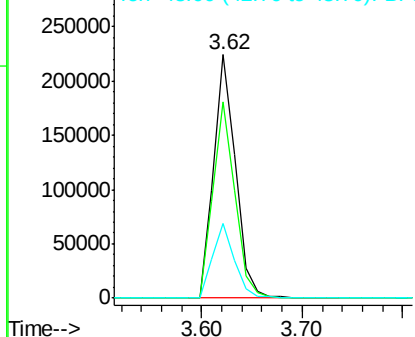
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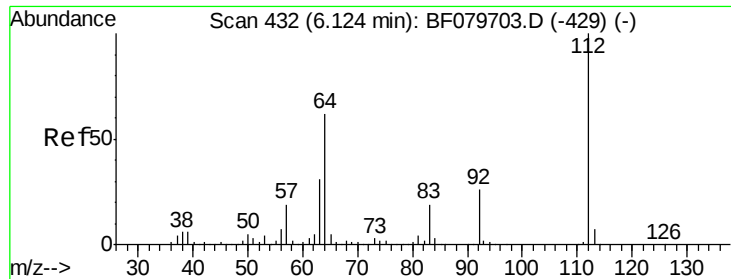
1,4-Dioxane
Concen: 88.67 ng
RT: 3.62 min Scan# 213
Delta R.T. 0.02 min
Lab File: BF079716.D
Acq: 4 Jun 2015 21:59

Tgt Ion: 88 Resp: 339894
Ion Ratio Lower Upper
88 100
58 80.5 64.2 96.4
43 30.2 25.1 37.7



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 42.26 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SS043MW011-150601

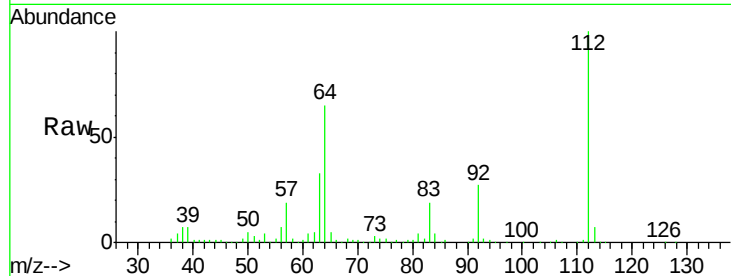
Tgt Ion: 112 Resp: 358551

Ion Ratio Lower Upper

112 100

64 65.4 49.6 74.4

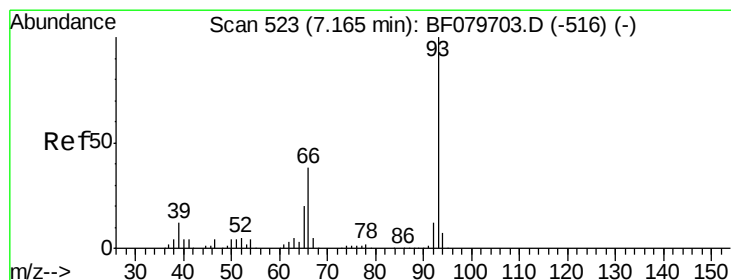
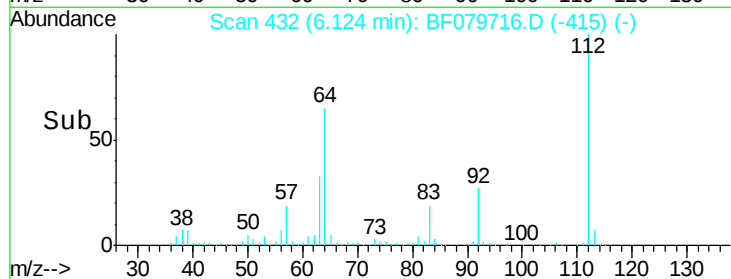
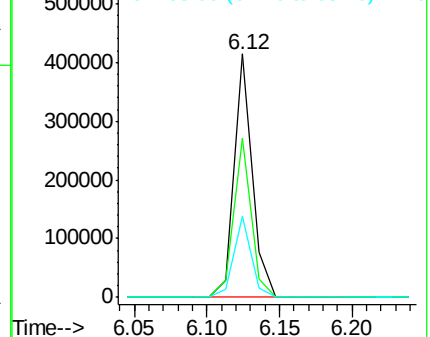
63 33.3 24.9 37.3



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



#6

Aniline

Concen: 14.23 ng

RT: 7.22 min Scan# 528

Delta R.T. 0.06 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

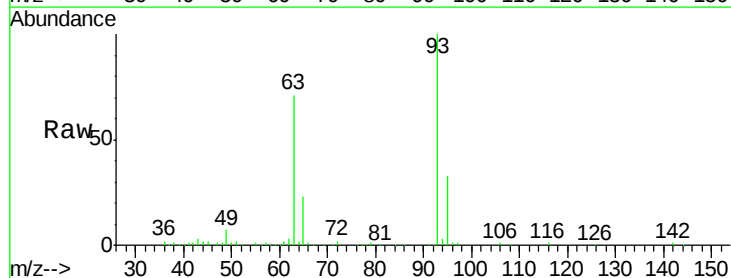
Tgt Ion: 93 Resp: 218867

Ion Ratio Lower Upper

93 100

66 0.5 30.3 45.5#

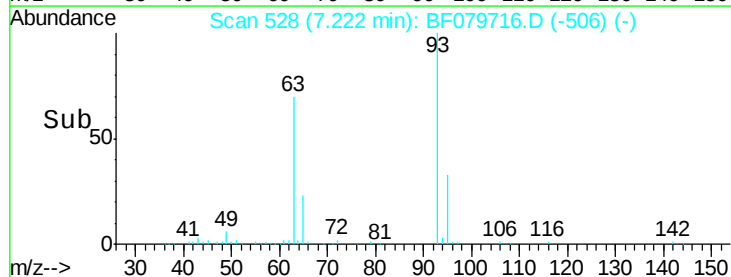
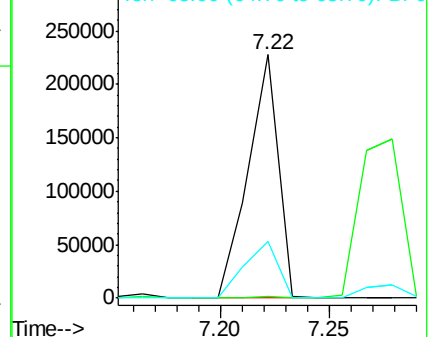
65 23.2 15.8 23.6

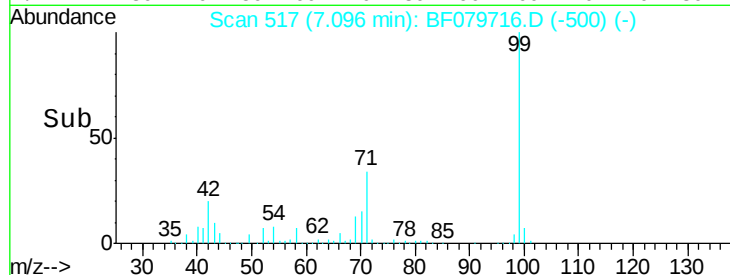
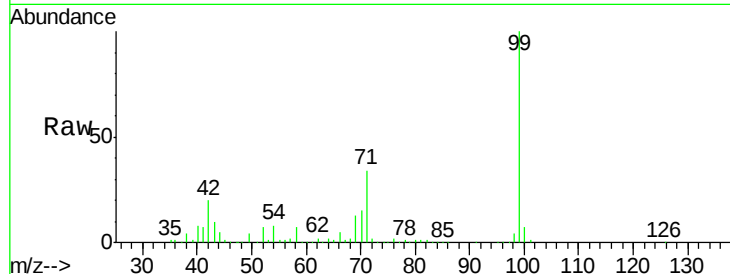
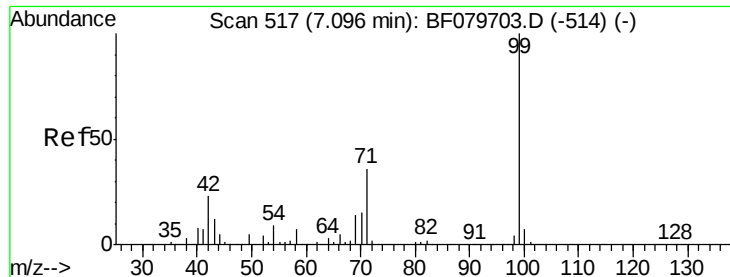


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 26.06 ng

RT: 7.10 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SS043MW011-150601

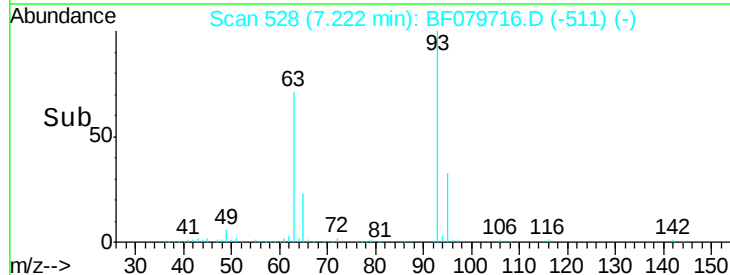
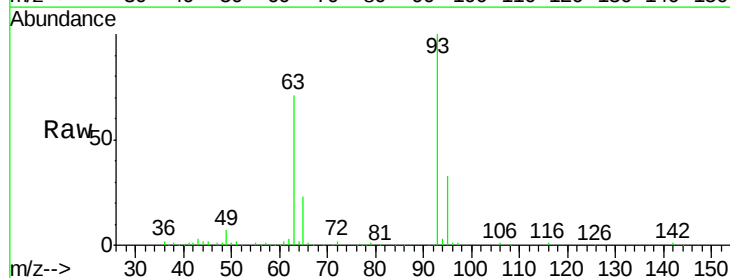
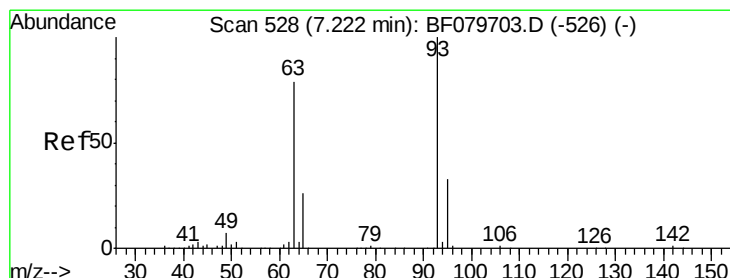
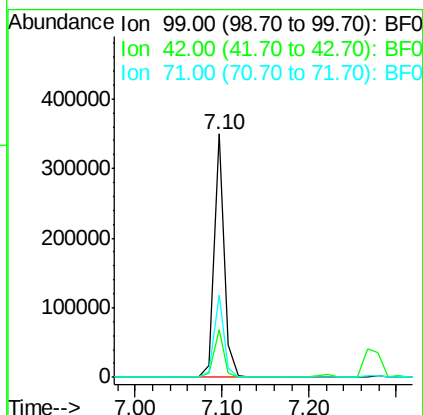
Tgt Ion: 99 Resp: 287892

Ion Ratio Lower Upper

99 100

42 19.6 18.0 27.0

71 33.8 28.4 42.6



#11

bis(2-Chloroethyl)ether

Concen: 23.02 ng

RT: 7.22 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

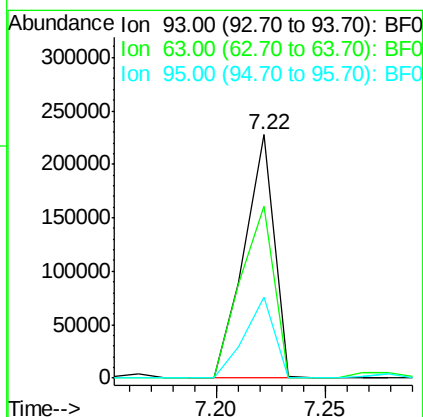
Tgt Ion: 93 Resp: 218867

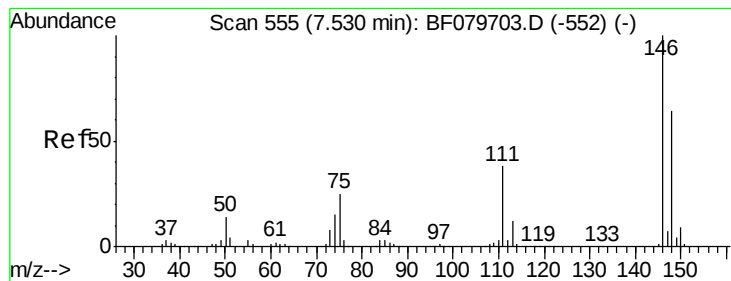
Ion Ratio Lower Upper

93 100

63 70.7 58.7 98.7

95 33.1 12.9 52.9

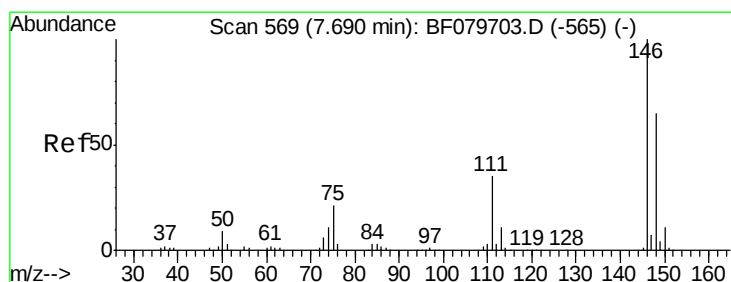
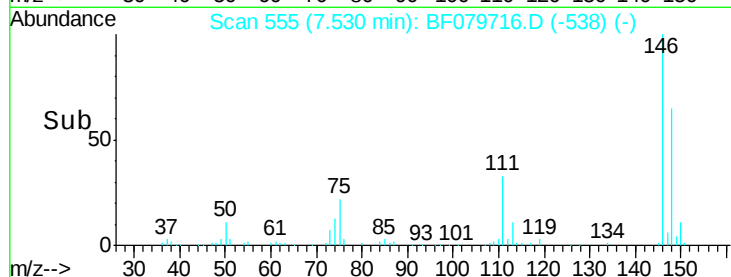
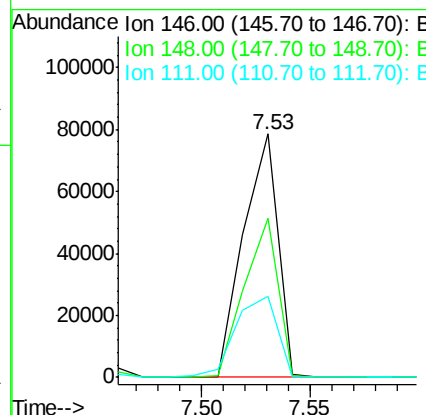
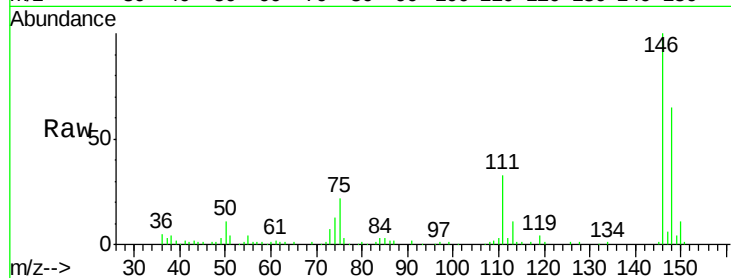




#13
 1,4-Dichlorobenzene
 Concen: 7.29 ng
 RT: 7.53 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

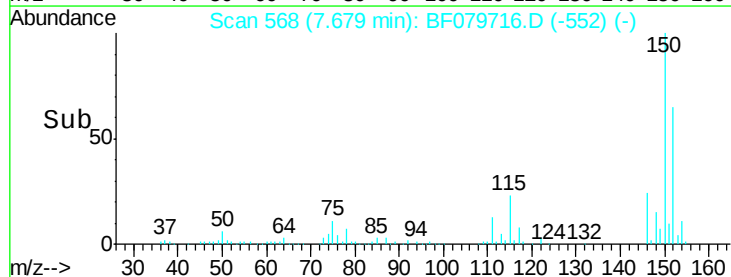
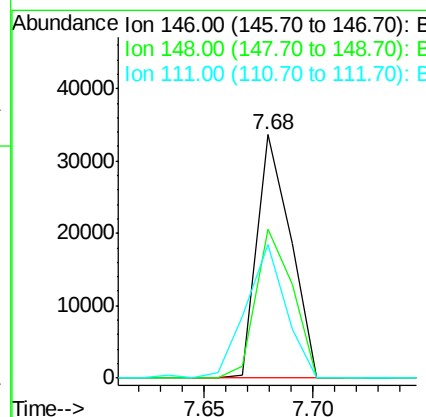
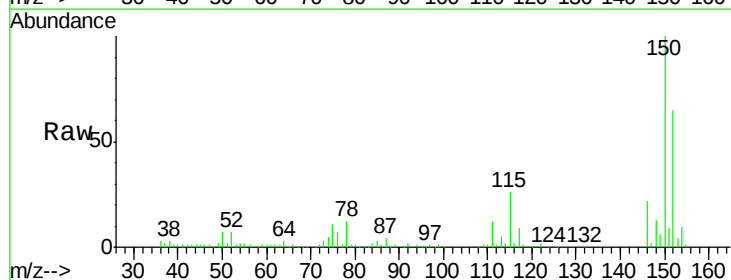
Instrument :
 BNA_F
 ClientSampleId :
 SS043MW011-150601

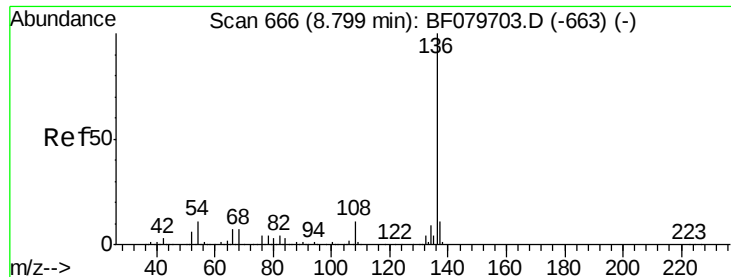
Tgt Ion:146 Resp: 86090
 Ion Ratio Lower Upper
 146 100
 148 65.4 51.4 77.0
 111 33.1 30.1 45.1



#14
 1,2-Dichlorobenzene
 Concen: 3.46 ng
 RT: 7.68 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Tgt Ion:146 Resp: 36069
 Ion Ratio Lower Upper
 146 100
 148 60.9 52.2 78.4
 111 54.7 27.9 41.9#

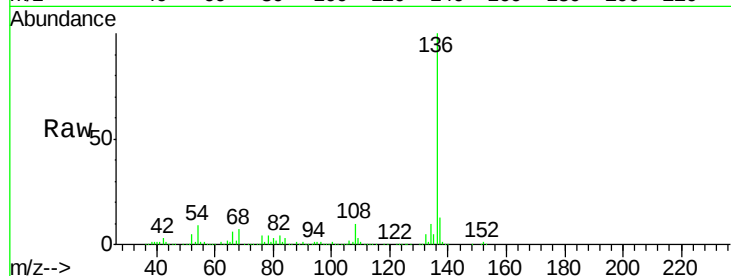




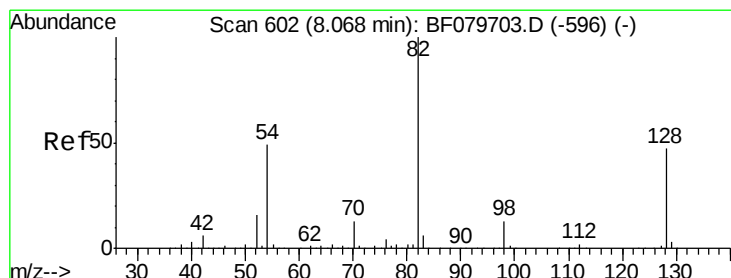
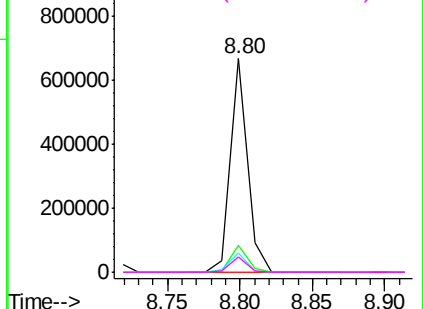
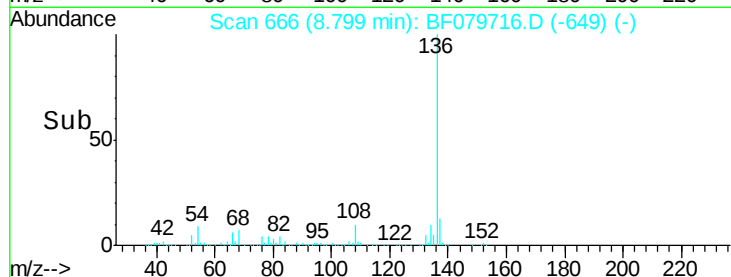
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.80 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF079716.D
Acq: 4 Jun 2015 21:59

Instrument :
BNA_F
ClientSampleId :
SS043MW011-150601

Tgt Ion:	136	Resp:	547834
Ion	Ratio	Lower	Upper
136	100		
137	12.6	8.8	13.2
54	9.3	8.7	13.1
68	7.0	5.8	8.8

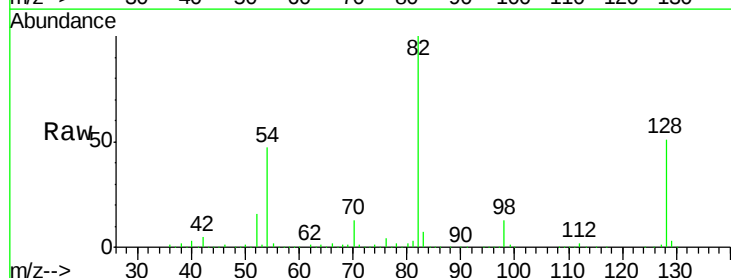


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

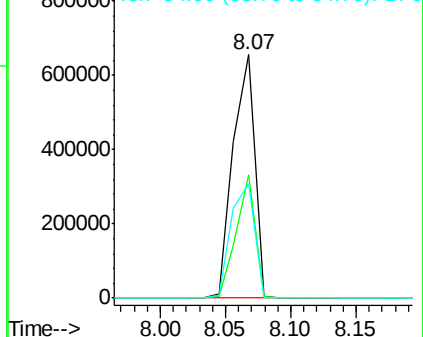
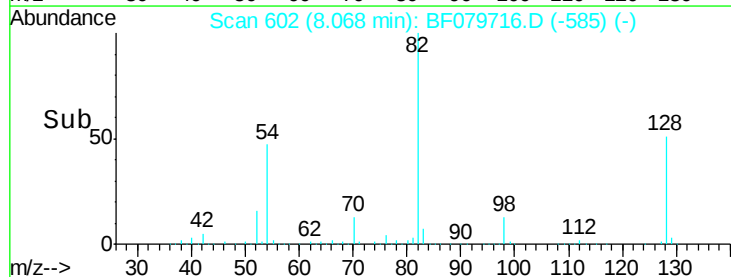


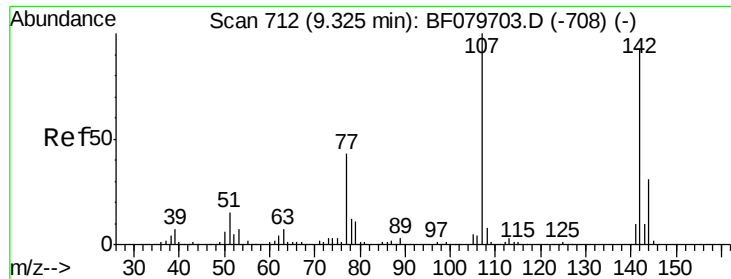
#23
Nitrobenzene-d5
Concen: 83.92 ng
RT: 8.07 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF079716.D
Acq: 4 Jun 2015 21:59

Tgt Ion:	82	Resp:	755099
Ion	Ratio	Lower	Upper
82	100		
128	50.7	37.6	56.4
54	47.2	39.4	59.2



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

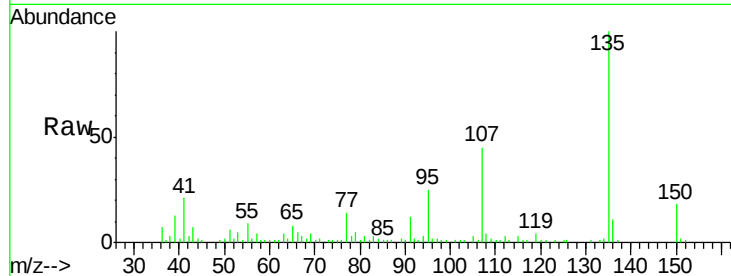




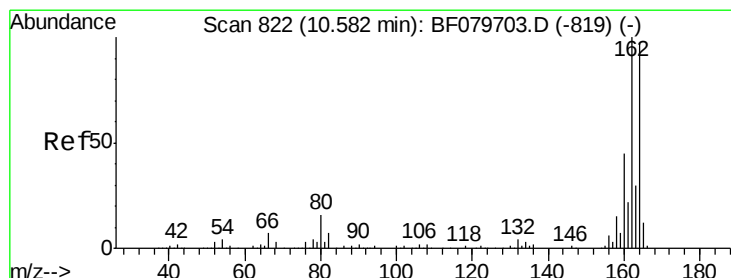
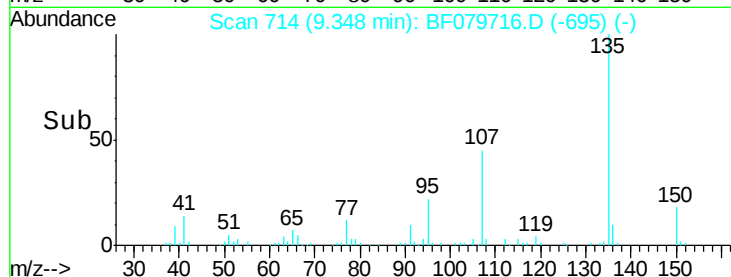
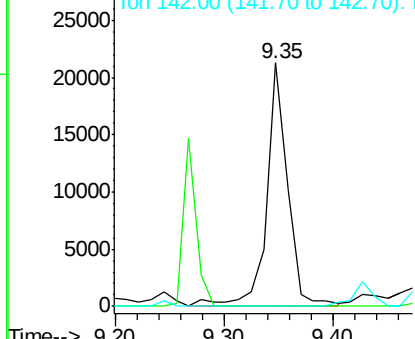
#36
 4-Chloro-3-methylphenol
 Concen: 3.54 ng
 RT: 9.35 min Scan# 714
 Delta R.T. 0.02 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Instrument :
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 ClientSampleId :
 SS043MW011-150601

Tgt Ion:107 Resp: 28690
 Ion Ratio Lower Upper
 107 100
 144 0.0 24.5 36.7#
 142 0.0 74.6 112.0#

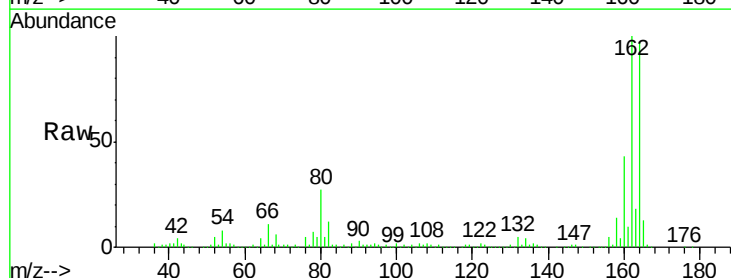


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

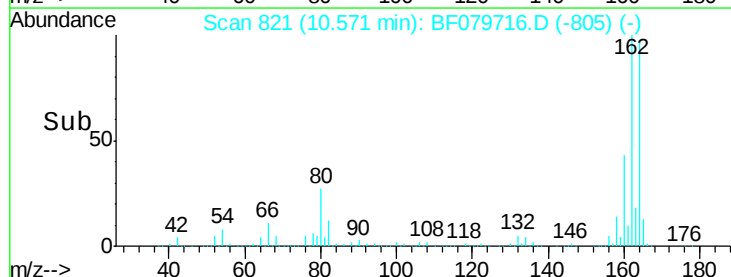
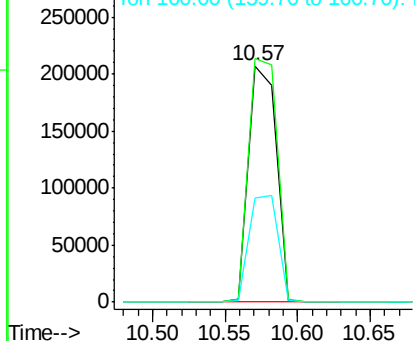


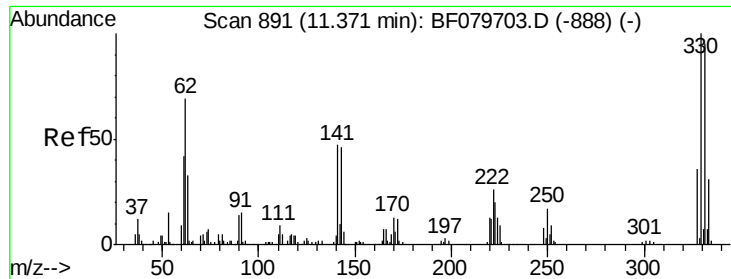
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Tgt Ion:164 Resp: 276361
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.6 123.8
 160 43.8 36.8 55.2



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

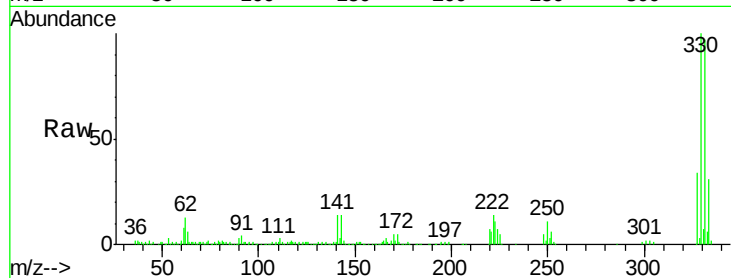




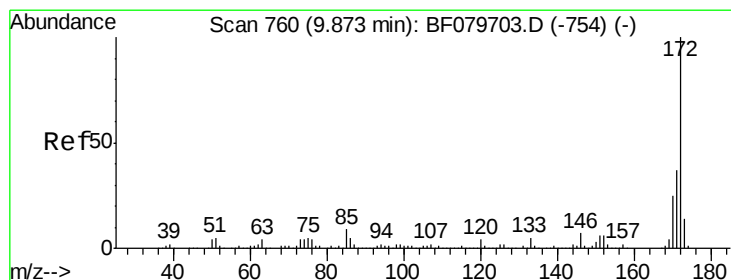
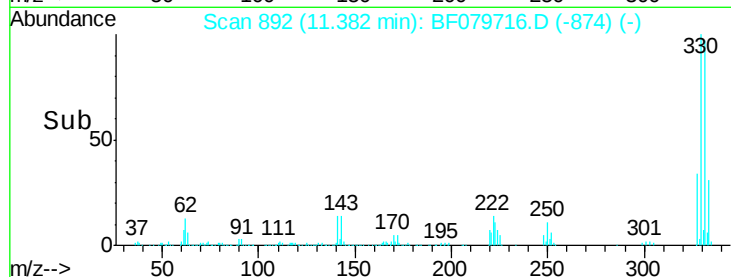
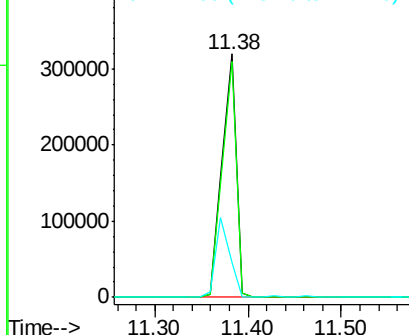
#41
 2,4,6-Tribromophenol
 Concen: 136.06 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SS043MW011-150601

Tgt Ion:330 Resp: 337665
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.0
 141 32.7 30.2 45.2

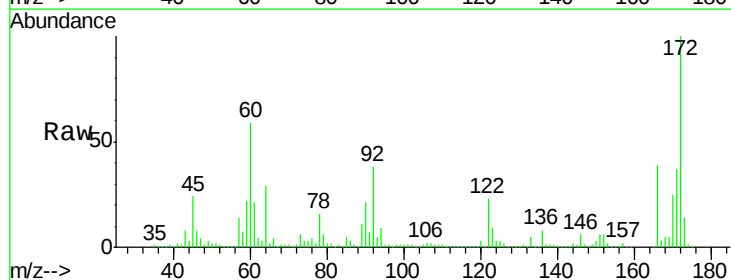


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

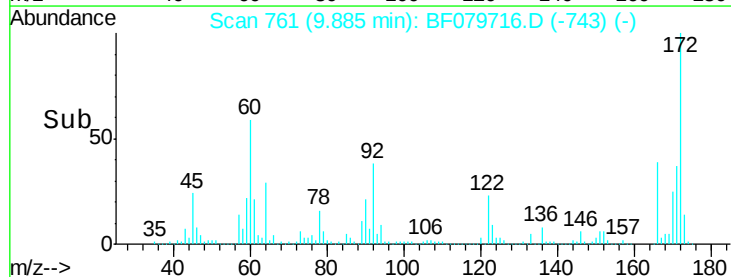
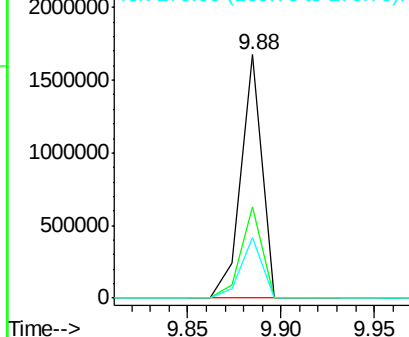


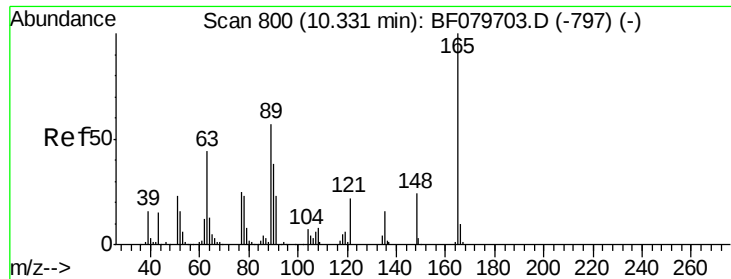
#44
 2-Fluorobiphenyl
 Concen: 69.24 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Tgt Ion:172 Resp: 1321729
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.4 44.0
 170 25.1 19.7 29.5



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





#50

2,6-Dinitrotoluene

Concen: 3.24 ng

RT: 10.31 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SS043MW011-150601

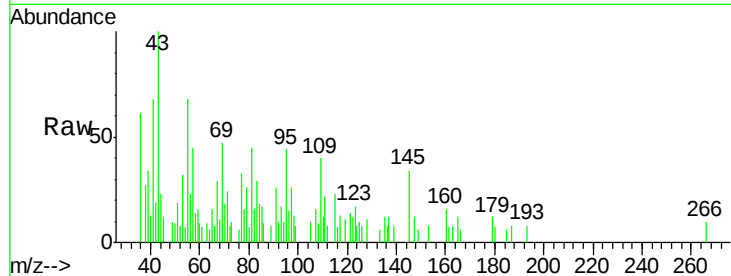
Tgt Ion:165 Resp: 804

Ion Ratio Lower Upper

165 100

63 74.6 45.2 67.8#

89 69.4 45.9 68.9#

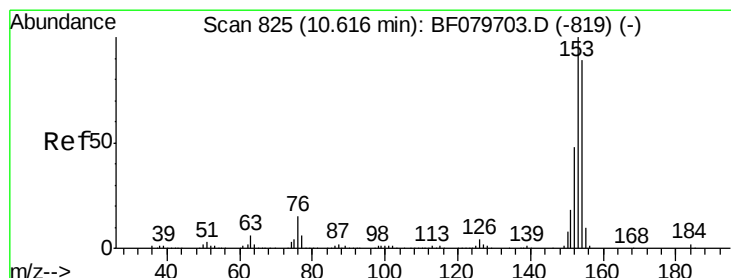
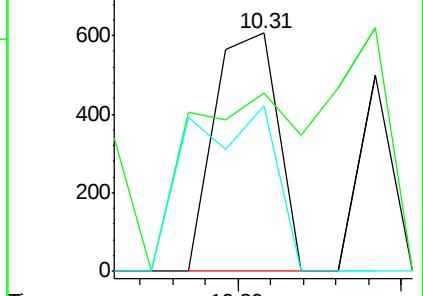
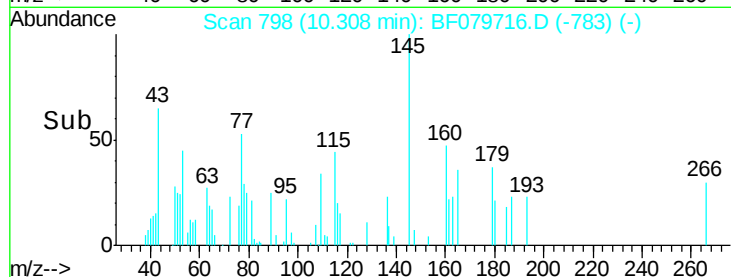


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



#51

Acenaphthene

Concen: 2.39 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

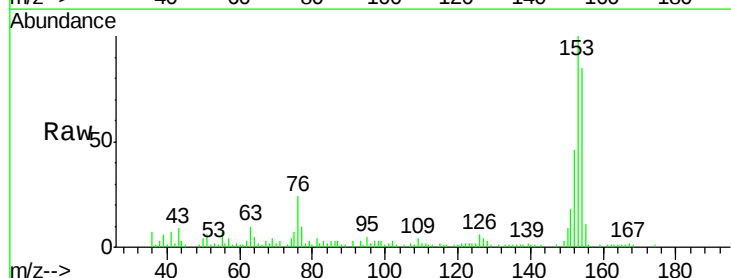
Tgt Ion:154 Resp: 43406

Ion Ratio Lower Upper

154 100

153 117.3 90.1 135.1

152 54.2 43.4 65.0

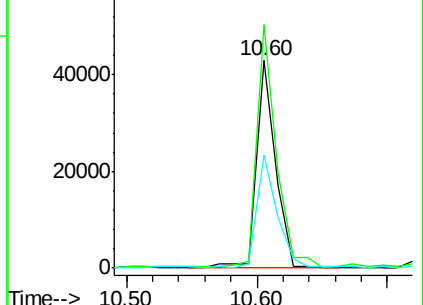
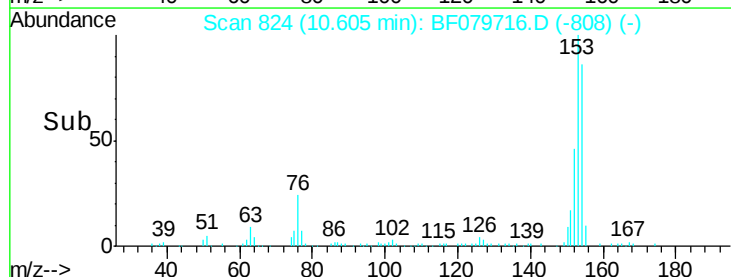


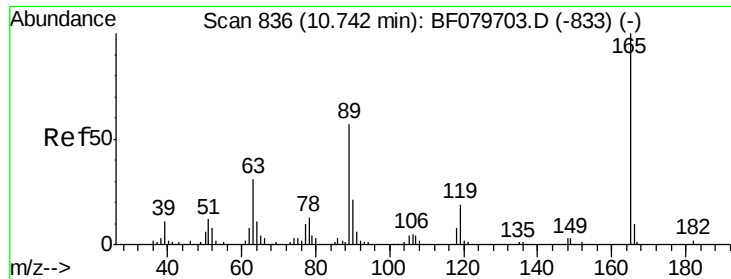
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->

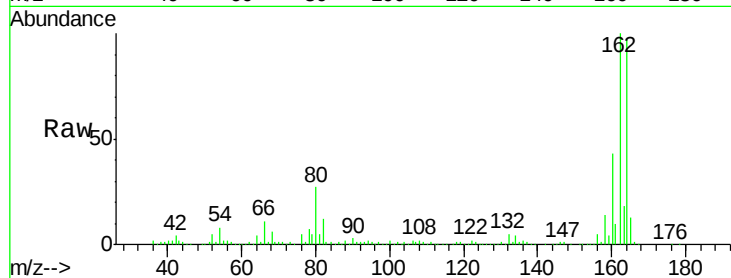




#56
 2,4-Dinitrotoluene
 Concen: 7.97 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.17 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SS043MW011-150601

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	24.7	37.1#
89	2.8	45.7	68.5#
182	0.0	1.8	2.8#

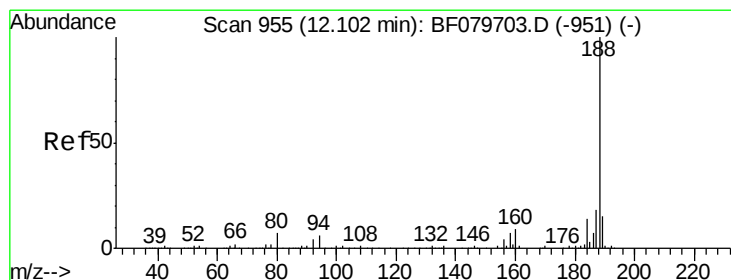
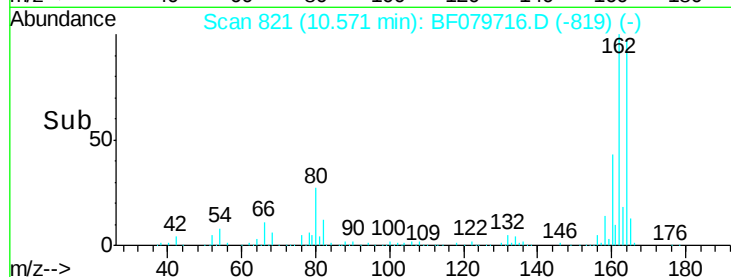
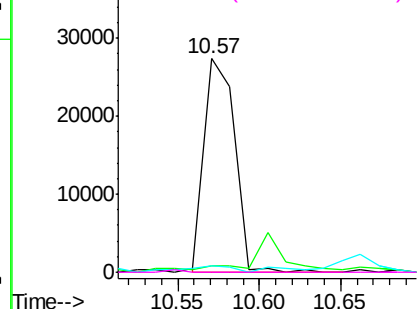


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

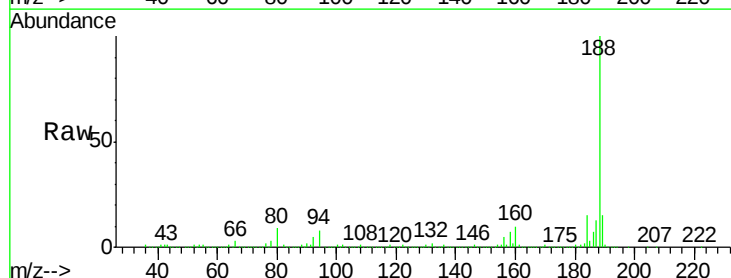
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

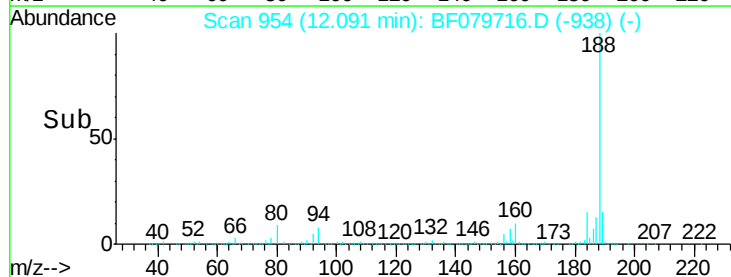
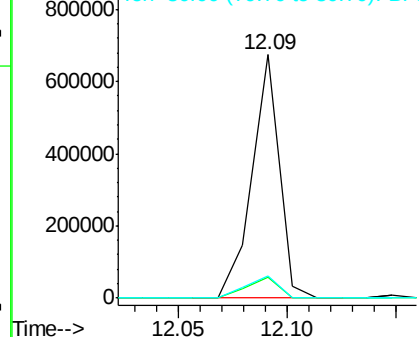
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	5.0	7.4#
80	9.2	5.3	7.9#

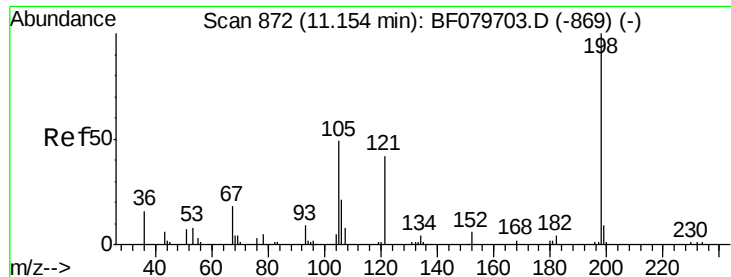


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

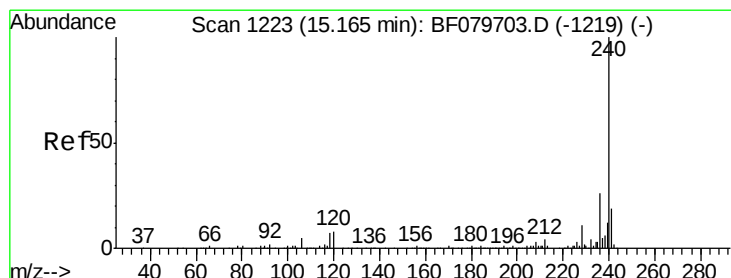
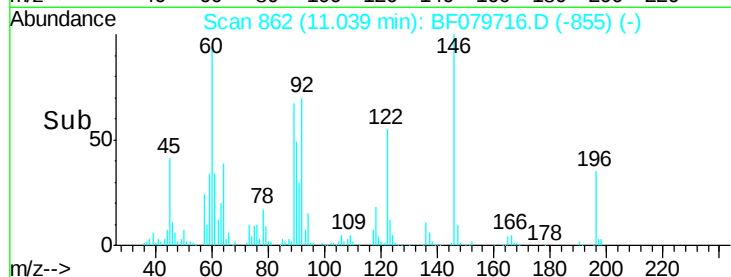
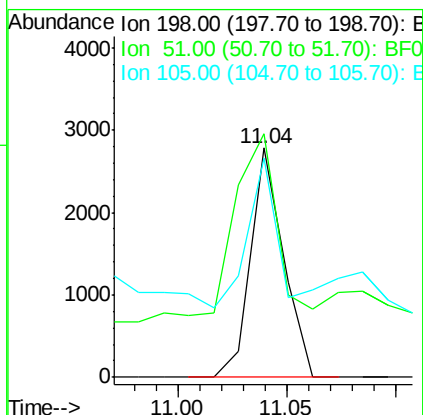
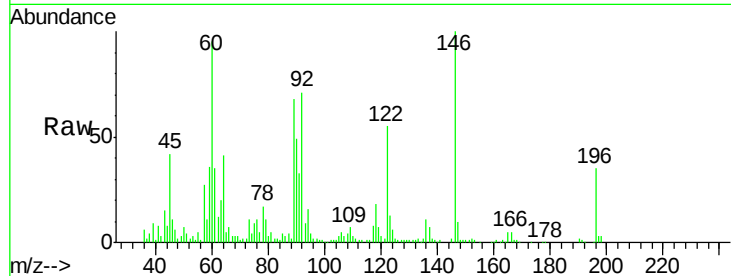




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.92 ng
 RT: 11.04 min Scan# 862
 Delta R.T. -0.11 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

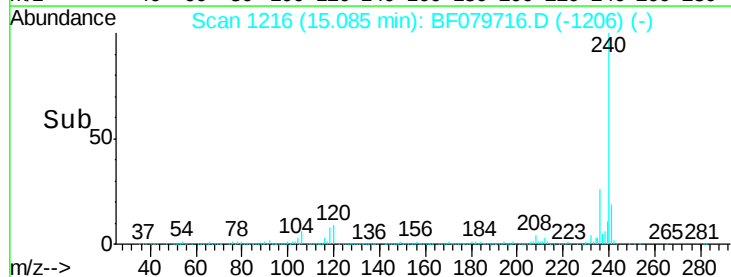
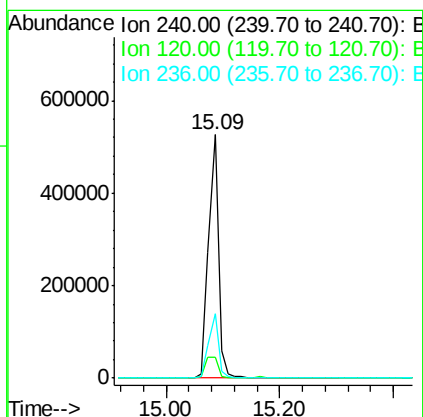
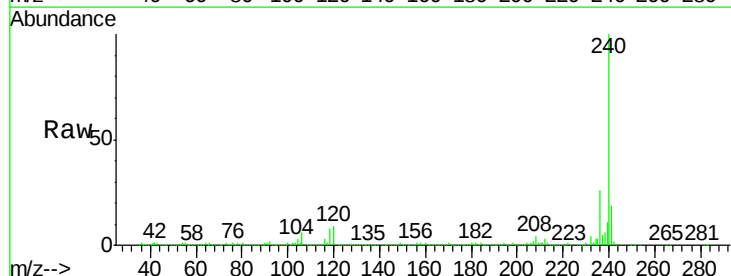
Instrument :
 BNA_F
 ClientSampleId :
 SS043MW011-150601

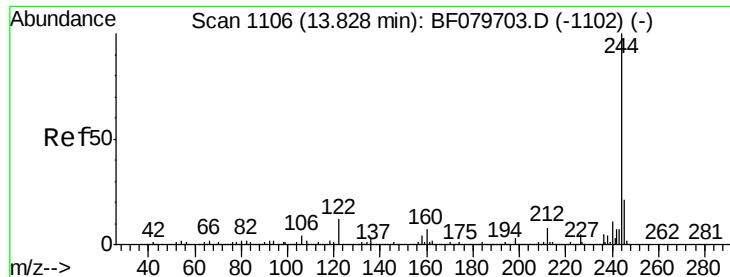
Tgt Ion:198 Resp: 2912
 Ion Ratio Lower Upper
 198 100
 51 106.3 34.4 74.4#
 105 95.6 32.7 72.7#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1216
 Delta R.T. -0.08 min
 Lab File: BF079716.D
 Acq: 4 Jun 2015 21:59

Tgt Ion:240 Resp: 617368
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.2 9.2
 236 26.5 21.0 31.4





#78

Terphenyl-d14

Concen: 65.20 ng

RT: 13.79 min Scan# 1103

Delta R.T. -0.03 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SS043MW011-150601

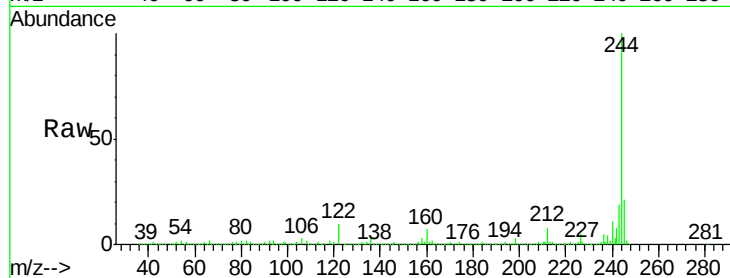
Tgt Ion:244 Resp: 1708541

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

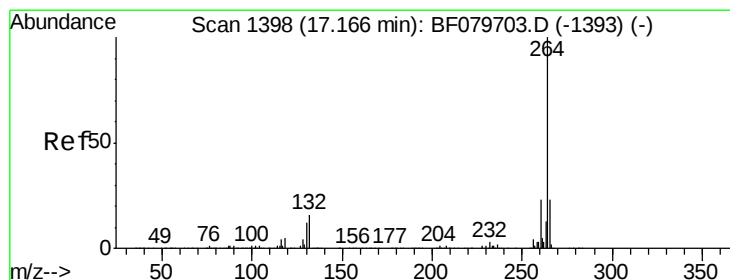
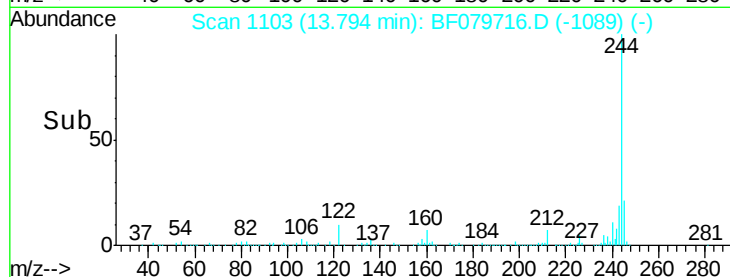
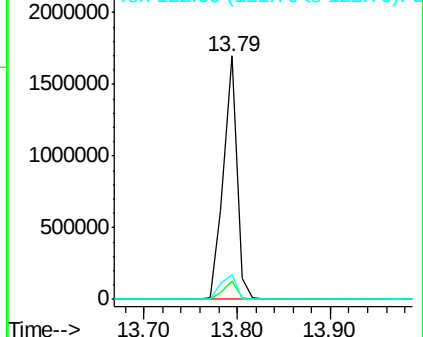
122 10.3 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.05 min Scan# 1388

Delta R.T. -0.11 min

Lab File: BF079716.D

Acq: 4 Jun 2015 21:59

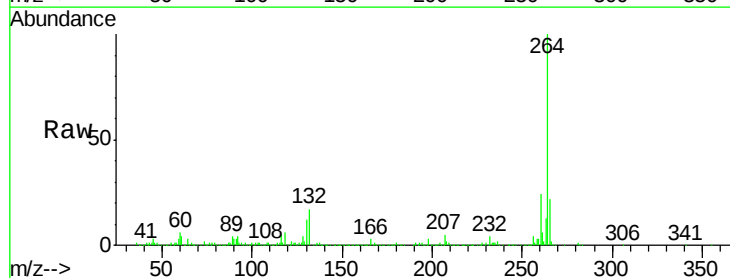
Tgt Ion:264 Resp: 576543

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 21.9 18.2 27.4



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

