

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079503.D
 Acq On : 27 May 2015 5:15
 Operator : TP/IZ
 Sample : G2255-20DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518DL

Quant Time: May 27 06:52:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	77779	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	354597	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	185173	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	362653	20.00	ng	0.01
75) Chrysene-d12	15.87	240	381565	20.00	ng	0.00
86) Perylene-d12	17.53	264	396954	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.63	99	2808	0.49	ng	0.01
23) Nitrobenzene-d5	7.72	82	5705	0.93	ng	0.01
41) 2,4,6-Tribromophenol	11.75	330	2408	1.18	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	10665	0.82	ng	0.00
78) Terphenyl-d14	14.59	244	14135	0.87	ng	0.00

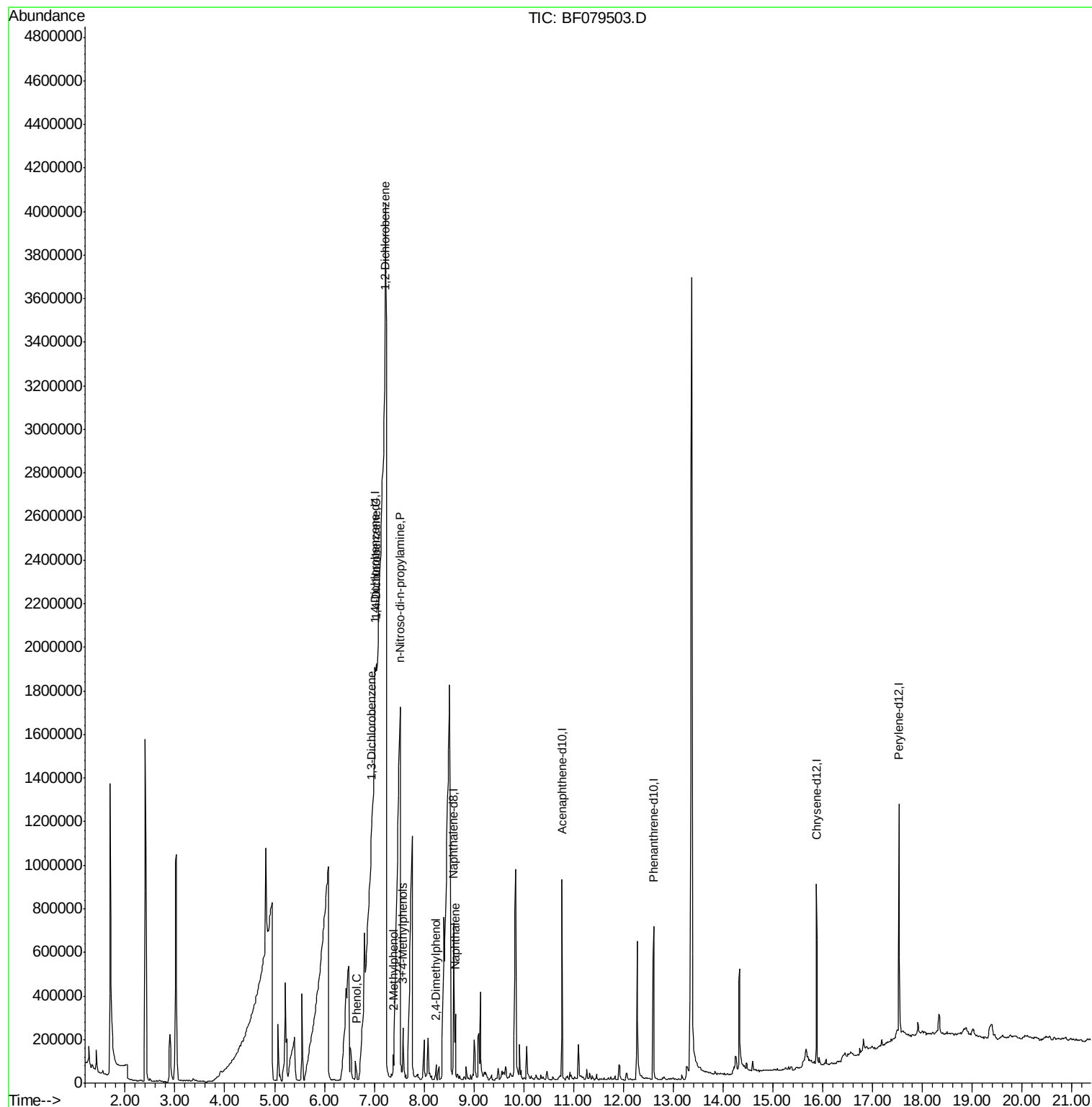
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	2534	Below Cal		# 1
10) Phenol	6.64	94	15438	2.29	ng	94
12) 1,3-Dichlorobenzene	6.95	146	16906	2.92	ng	97
13) 1,4-Dichlorobenzene	7.04	146	46658	7.91	ng	98
14) 1,2-Dichlorobenzene	7.22	146	280623	51.22	ng	97
17) 2-Methylphenol	7.38	107	18670	4.55	ng	97
19) n-Nitroso-di-n-propylamine	7.52	70	19110	4.75	ng	# 1
20) 3+4-Methylphenols	7.58	107	75982	13.48	ng	89
27) 2,4-Dimethylphenol	8.24	122	16173	3.14	ng	# 89
31) Naphthalene	8.63	128	152692	8.97	ng	99
73) Di-n-butylphthalate	13.36	149	7089	Below Cal		# 67
89) Benzo(a)pyrene	17.47	252	2802	Below Cal		# 19
90) Dibenzo(a,h)anthracene	18.86	278	3736	Below Cal		# 40
91) Benzo(g,h,i)perylene	19.22	276	4630	Below Cal		# 74

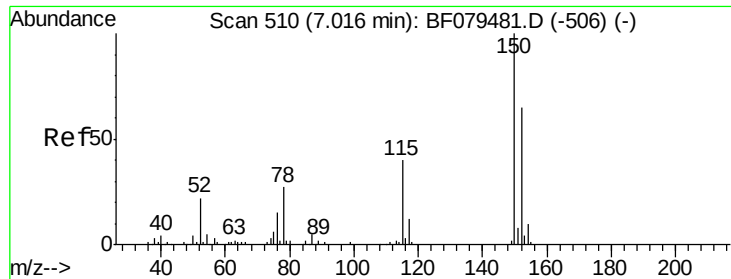
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518DL

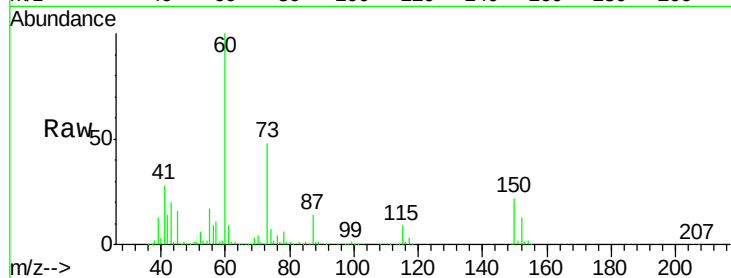
Tgt Ion:152 Resp: 77779

Ion Ratio Lower Upper

152 100

150 162.5 124.0 186.0

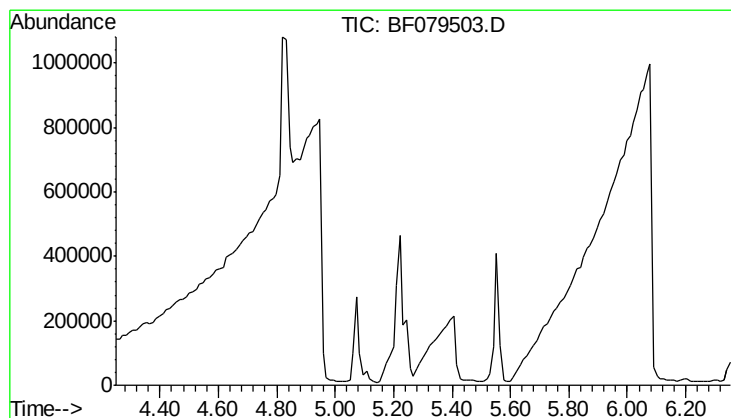
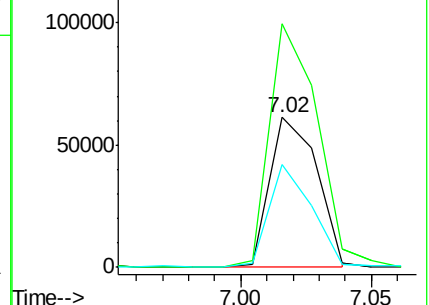
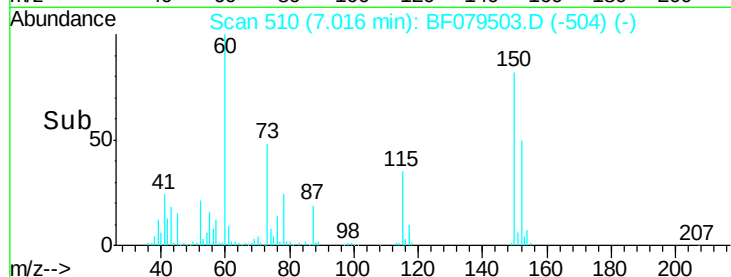
115 68.7 49.6 74.4



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: 0.00 ng

Expected RT: 5.30 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

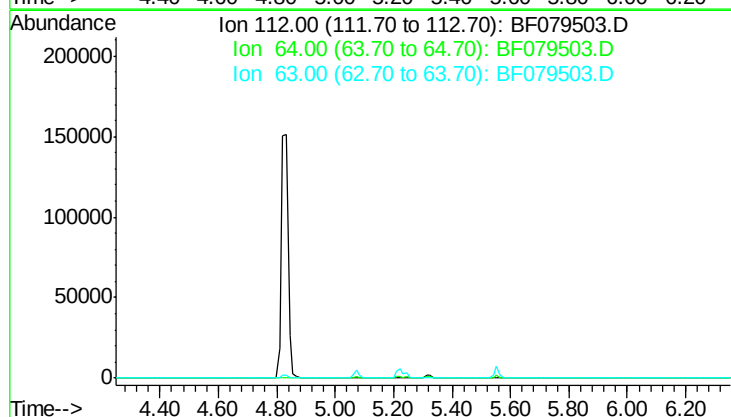
Tgt Ion: 112

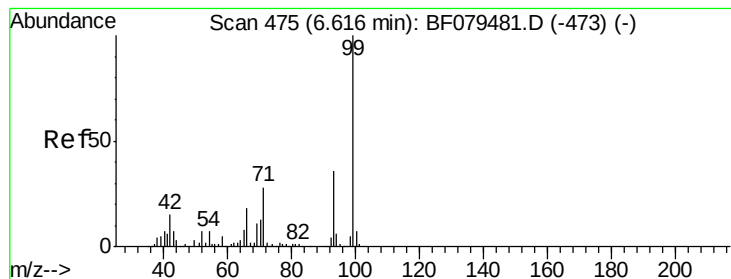
Sig Exp Ratio

112 100

64 54.4

63 27.3





#7

Phenol-d6

Concen: 0.49 ng

RT: 6.63 min Scan# 476

Delta R.T. 0.01 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518DL

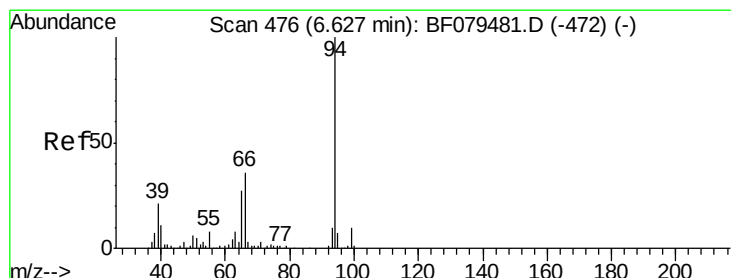
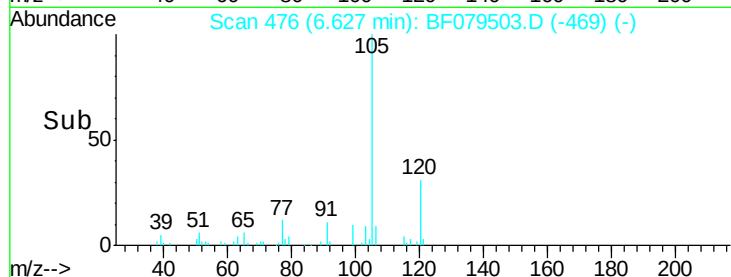
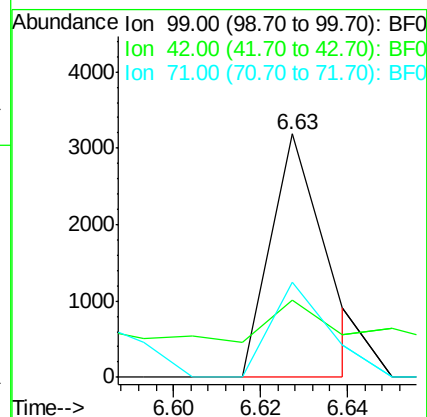
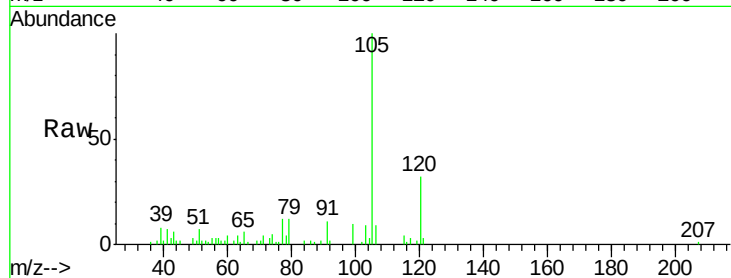
Tgt Ion: 99 Resp: 2808

Ion Ratio Lower Upper

99 100

42 31.5 11.9 17.9#

71 38.9 22.1 33.1#



#10

Phenol

Concen: 2.29 ng

RT: 6.64 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

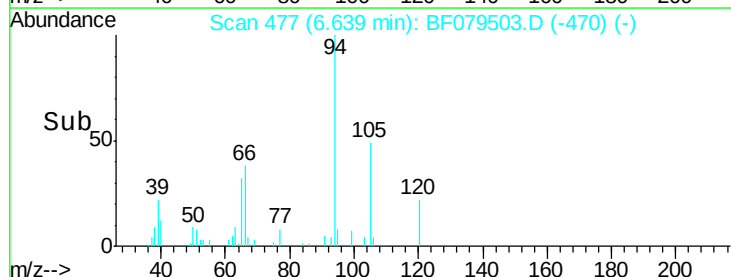
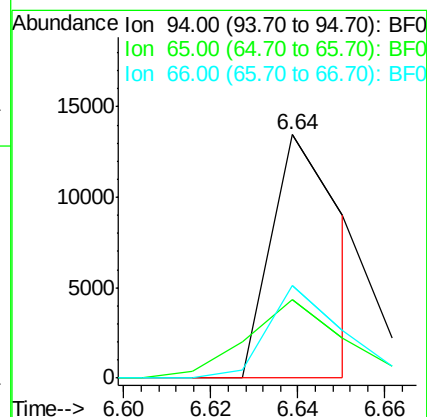
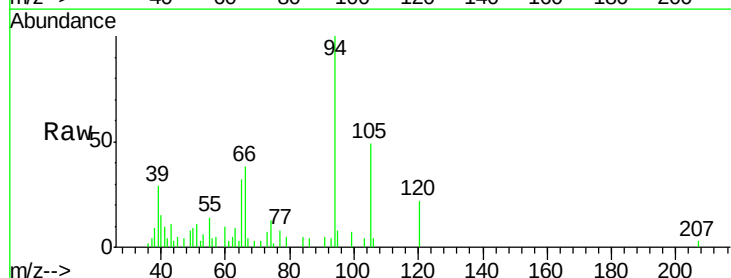
Tgt Ion: 94 Resp: 15438

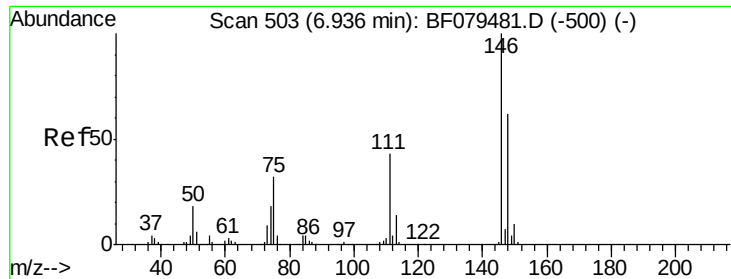
Ion Ratio Lower Upper

94 100

65 32.1 7.2 47.2

66 38.0 16.2 56.2

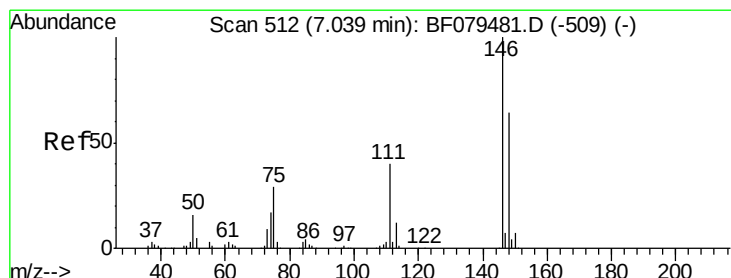
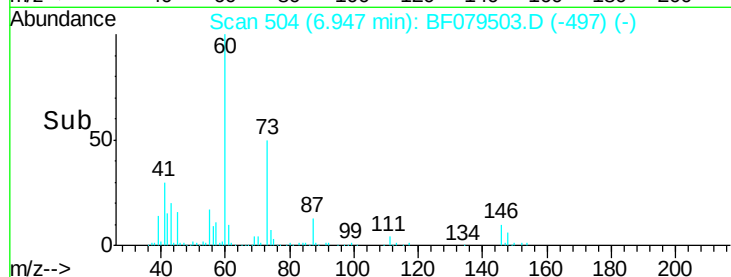
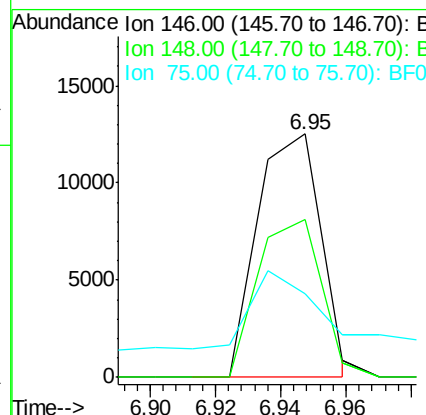
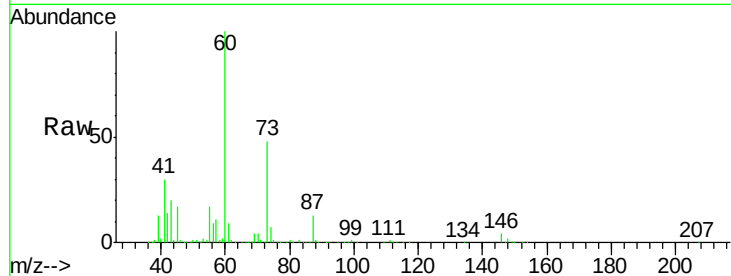




#12
 1,3-Dichlorobenzene
 Concen: 2.92 ng
 RT: 6.95 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

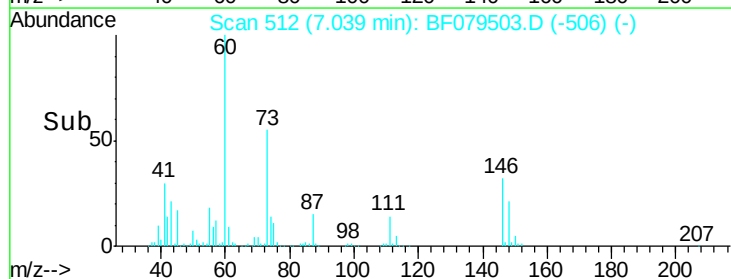
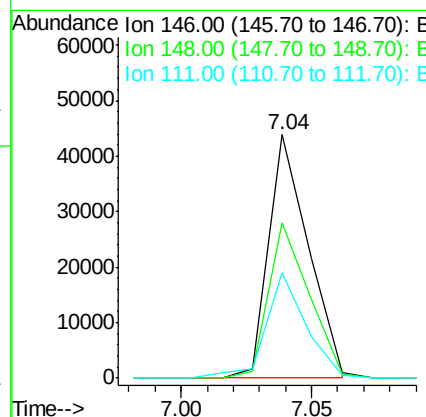
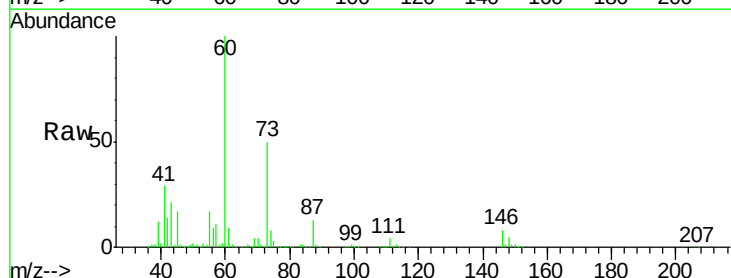
Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518DL

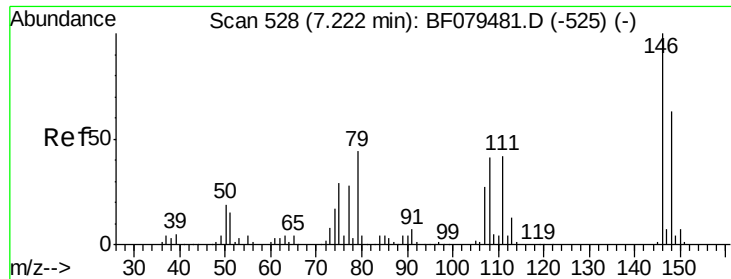
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	49.6	74.4
75	34.2	25.9	38.9



#13
 1,4-Dichlorobenzene
 Concen: 7.91 ng
 RT: 7.04 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	43.2	31.8	47.8

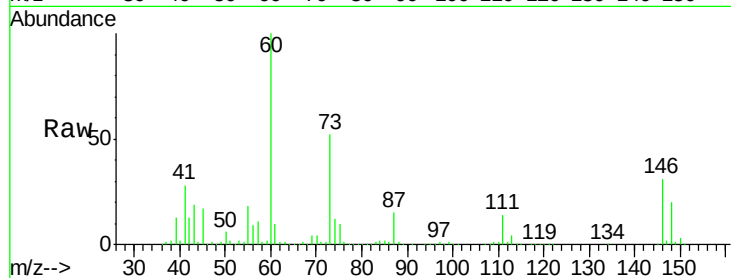




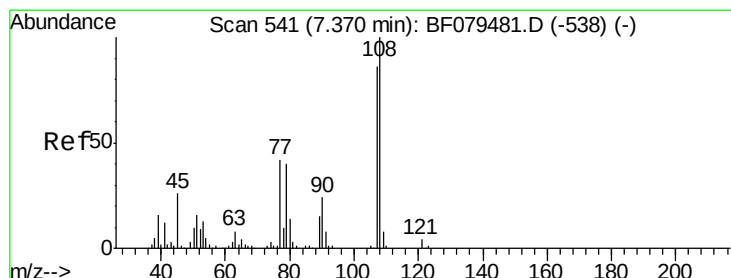
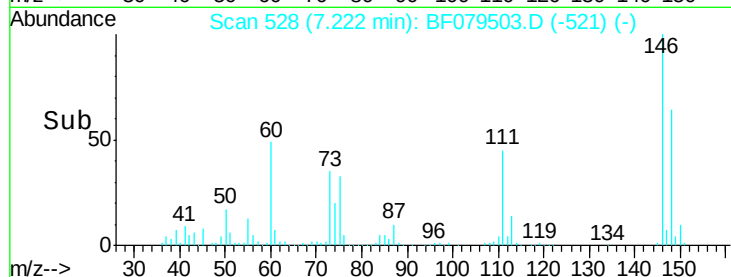
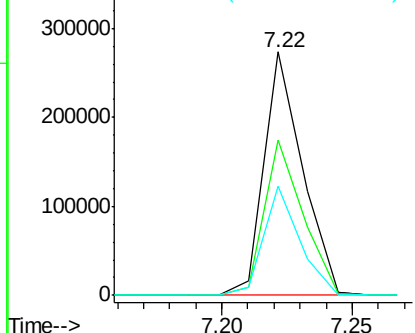
#14
 1,2-Dichlorobenzene
 Concen: 51.22 ng
 RT: 7.22 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518DL

Tgt Ion:146 Resp: 280623
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.6 76.0
 111 44.8 33.2 49.8

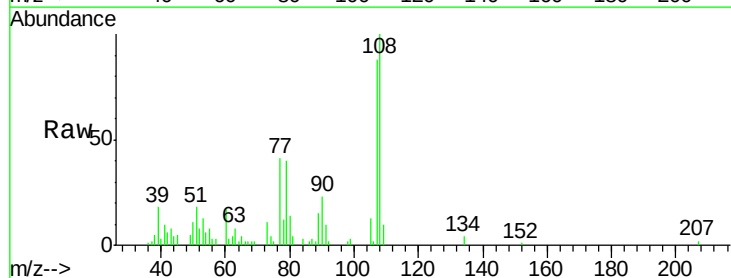


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

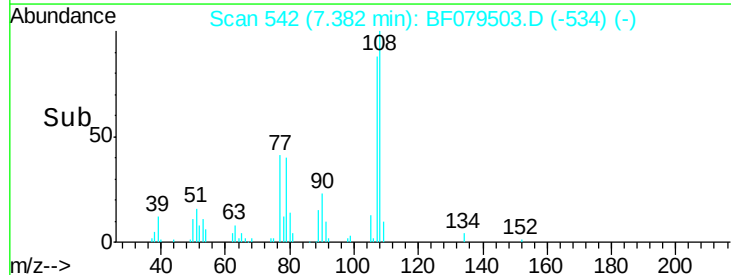
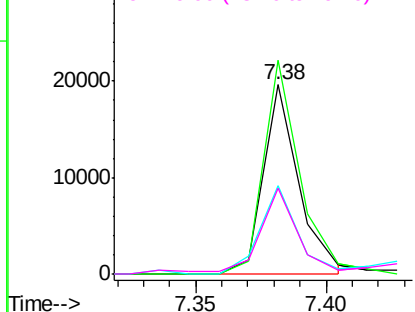


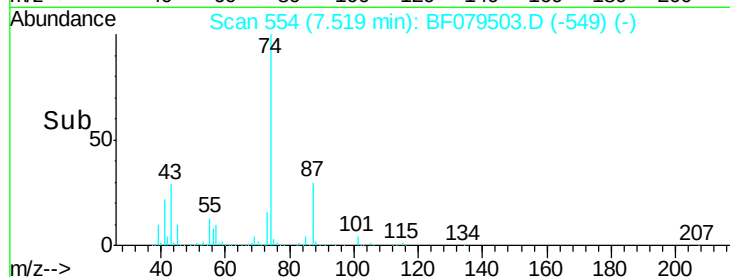
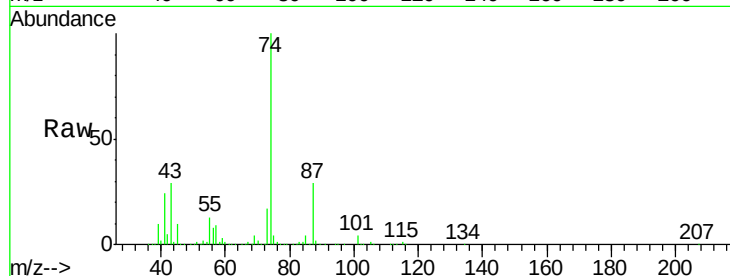
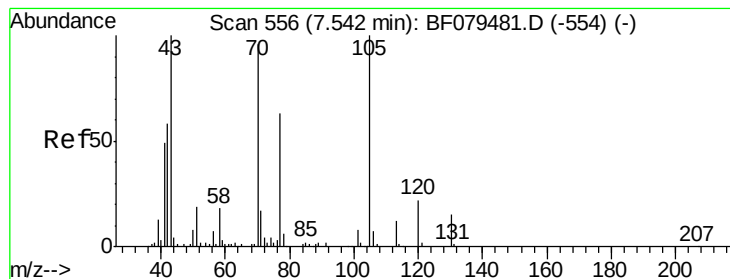
#17
 2-Methylphenol
 Concen: 4.55 ng
 RT: 7.38 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

Tgt Ion:107 Resp: 18670
 Ion Ratio Lower Upper
 107 100
 108 113.0 93.1 139.7
 77 46.6 39.2 58.8
 79 45.2 37.8 56.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 4.75 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.02 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518DL

Tgt Ion: 70 Resp: 19110

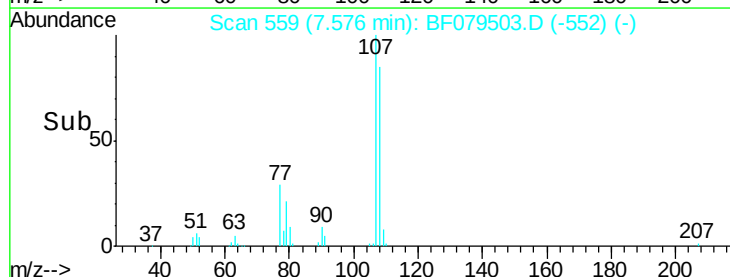
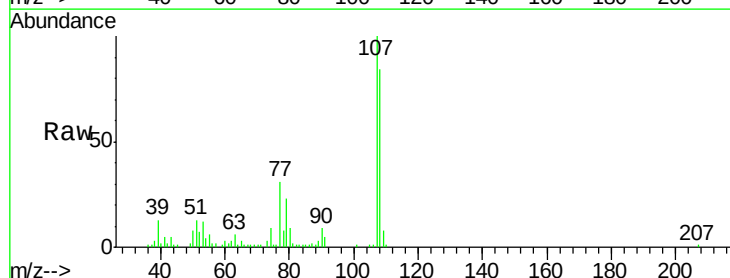
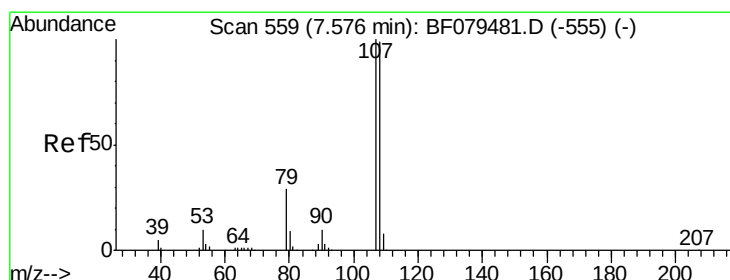
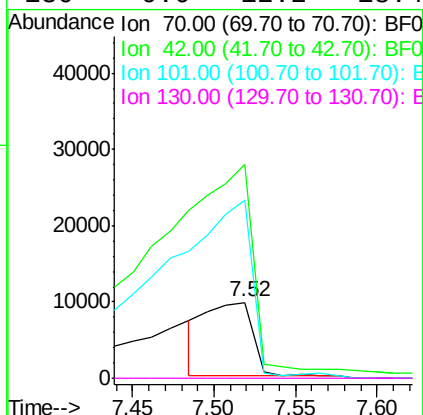
Ion Ratio Lower Upper

70 100

42 282.1 48.8 73.2#

101 235.1 6.6 9.8#

130 0.0 12.2 18.4#



#20

3+4-Methylphenols

Concen: 13.48 ng

RT: 7.58 min Scan# 559

Delta R.T. 0.00 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Tgt Ion: 107 Resp: 75982

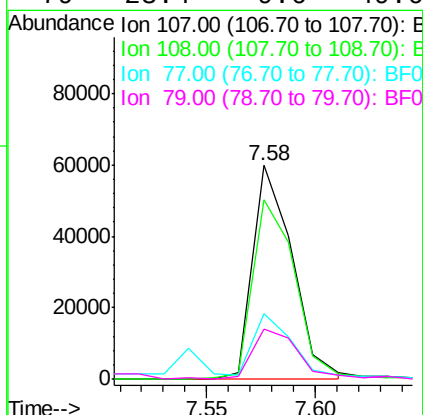
Ion Ratio Lower Upper

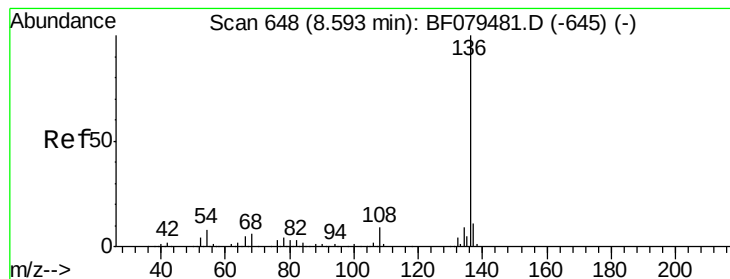
107 100

108 84.0 77.7 117.7

77 30.7 11.4 51.4

79 23.4 9.6 49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518DL

Tgt Ion:136 Resp: 354597

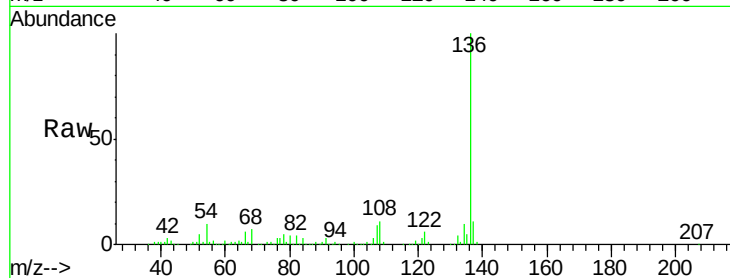
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.6 6.6 9.8

68 7.3 4.7 7.1#

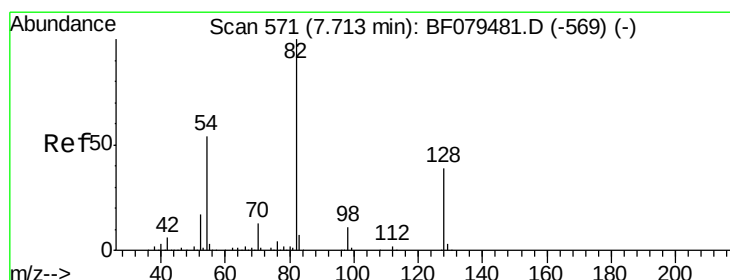
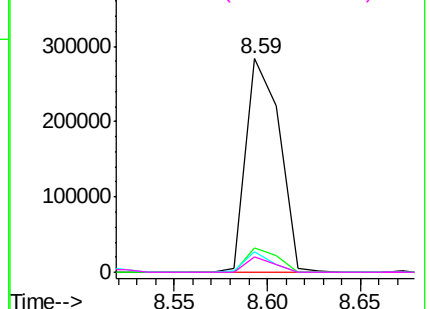
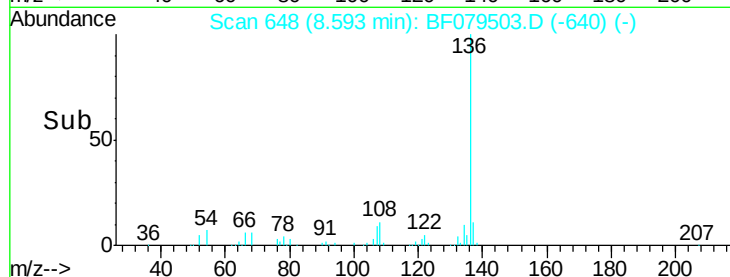


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.93 ng

RT: 7.72 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

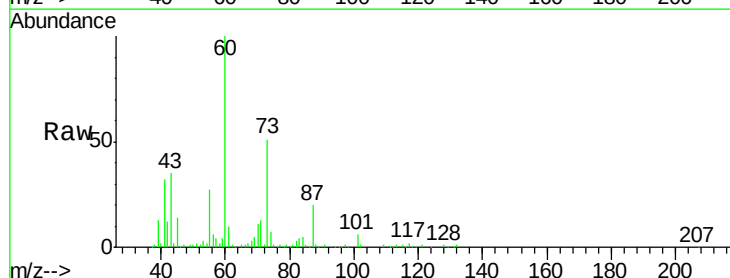
Tgt Ion: 82 Resp: 5705

Ion Ratio Lower Upper

82 100

128 44.2 30.8 46.2

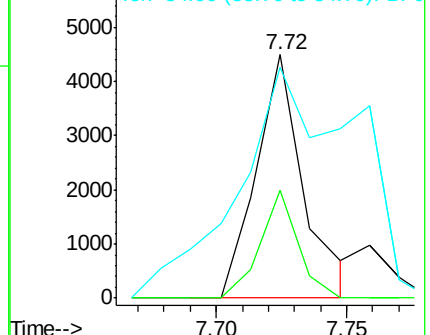
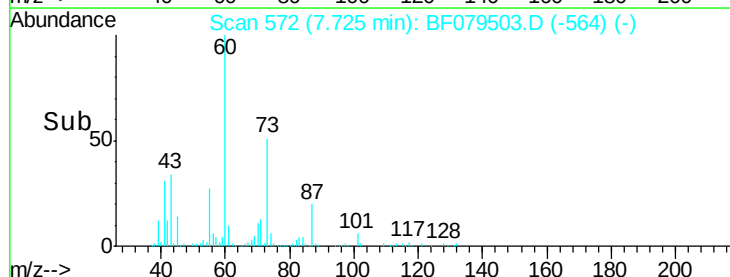
54 94.7 42.8 64.2#

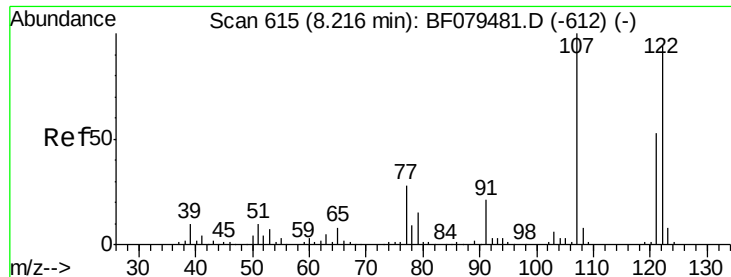


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.14 ng

RT: 8.24 min Scan# 617

Delta R.T. 0.02 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

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LF001MW001-150518DL

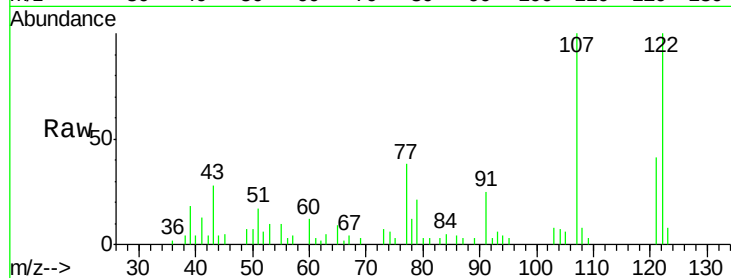
Tgt Ion:122 Resp: 16173

Ion Ratio Lower Upper

122 100

107 99.9 85.2 127.8

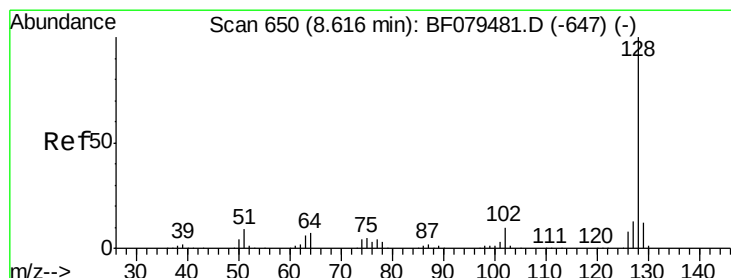
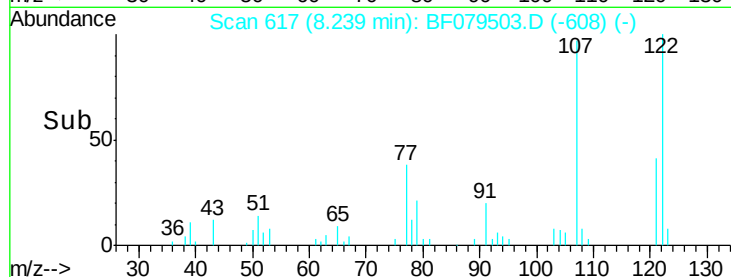
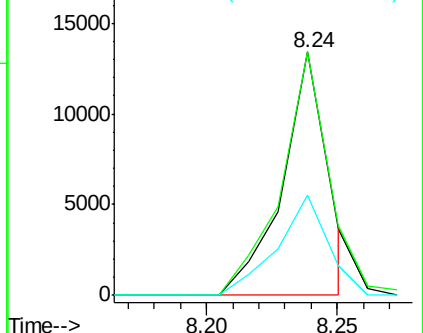
121 41.2 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 8.97 ng

RT: 8.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

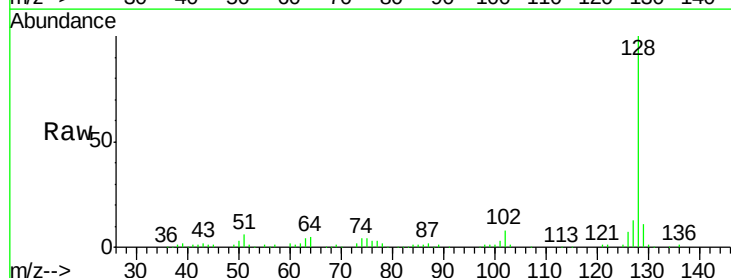
Tgt Ion:128 Resp: 152692

Ion Ratio Lower Upper

128 100

129 10.8 9.3 13.9

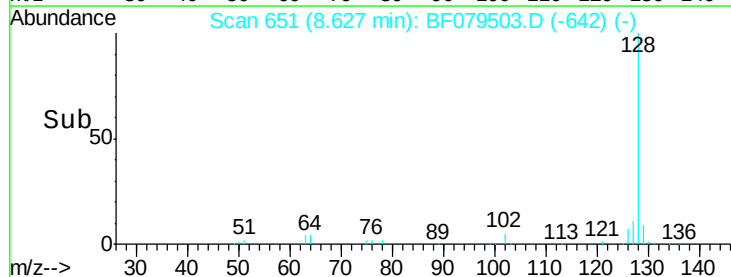
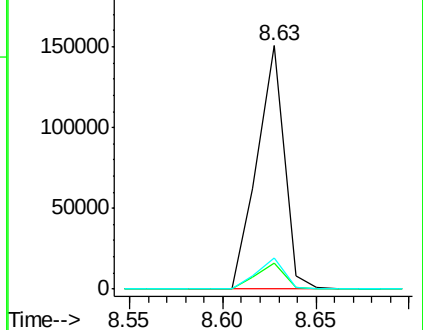
127 12.8 10.6 15.8

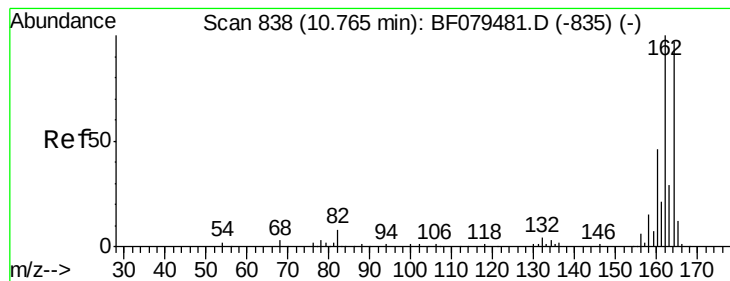


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.76 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518DL

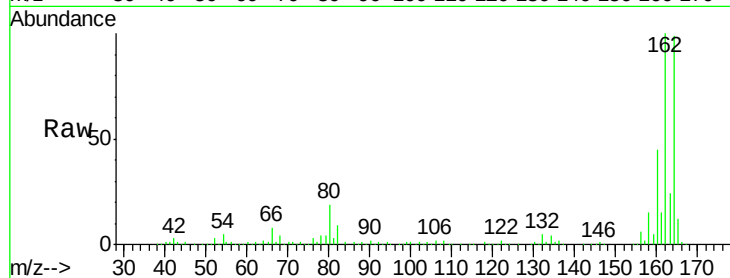
Tgt Ion:164 Resp: 185173

Ion Ratio Lower Upper

164 100

162 100.7 82.6 124.0

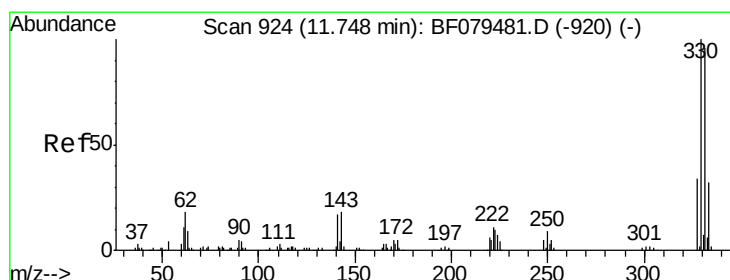
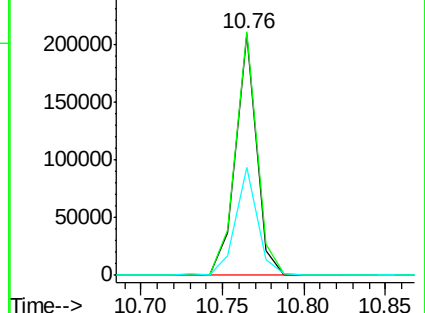
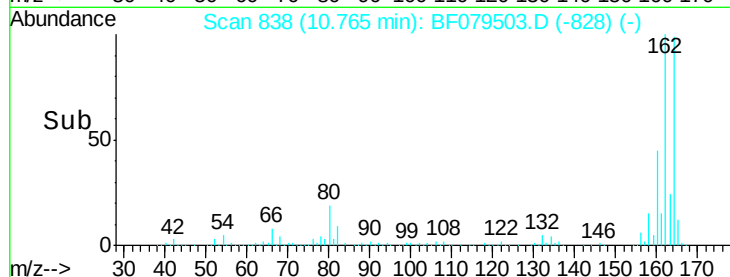
160 44.9 37.7 56.5



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: 1.18 ng

RT: 11.75 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF079503.D

Acq: 27 May 2015 5:15

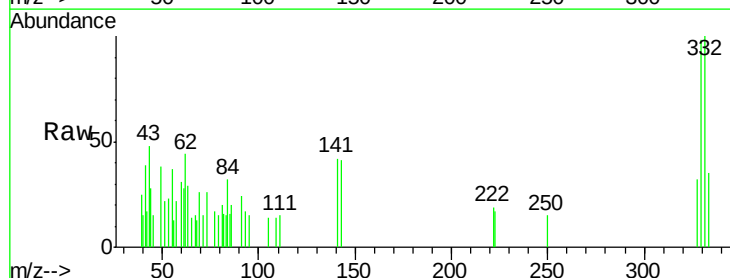
Tgt Ion:330 Resp: 2408

Ion Ratio Lower Upper

330 100

332 93.1 0.0 0.0#

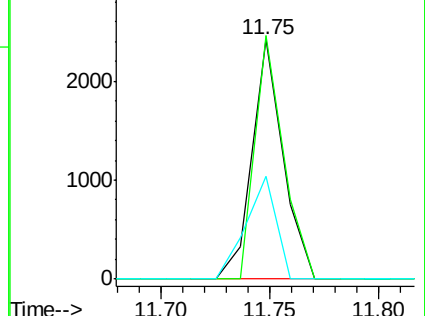
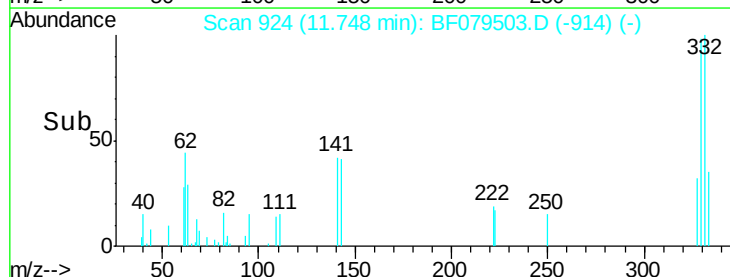
141 41.4 0.0 0.0#

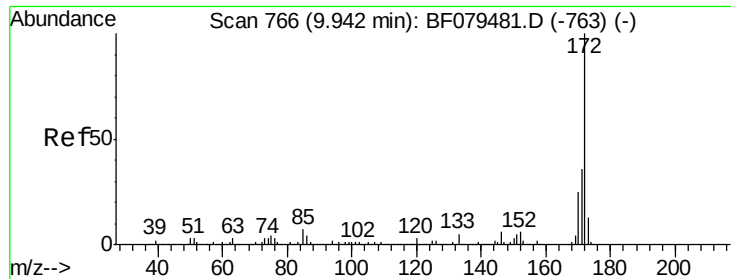


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

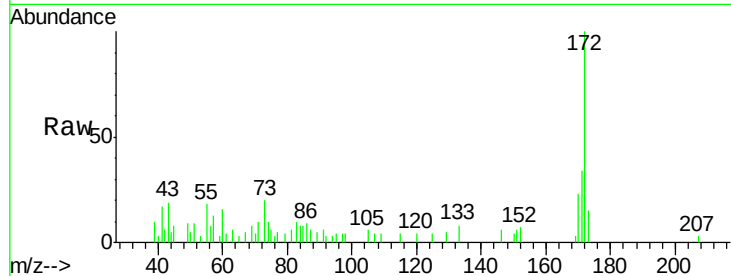




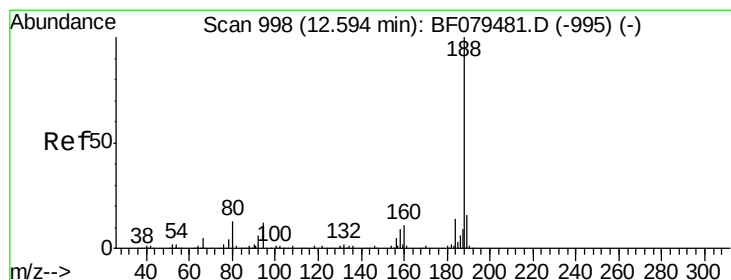
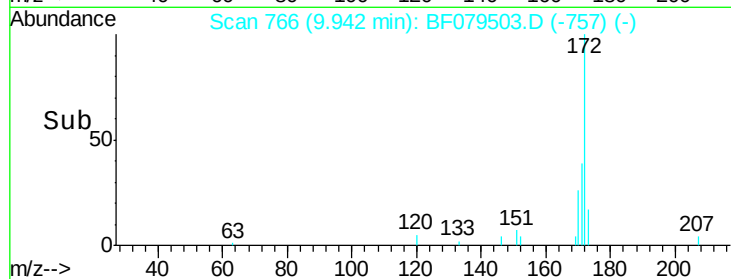
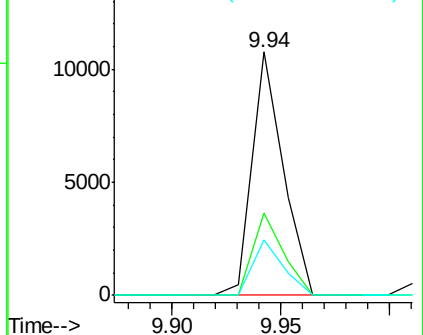
#44
 2-Fluorobiphenyl
 Concen: 0.82 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.5	42.7
170	22.5	19.7	29.5

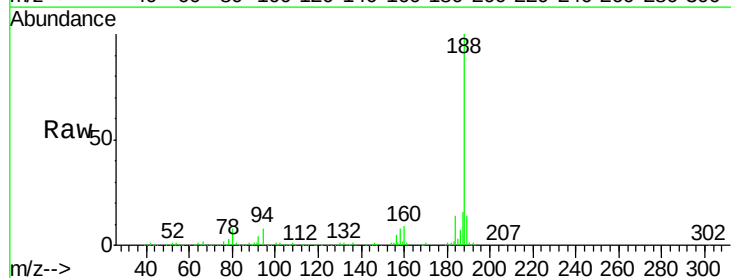


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

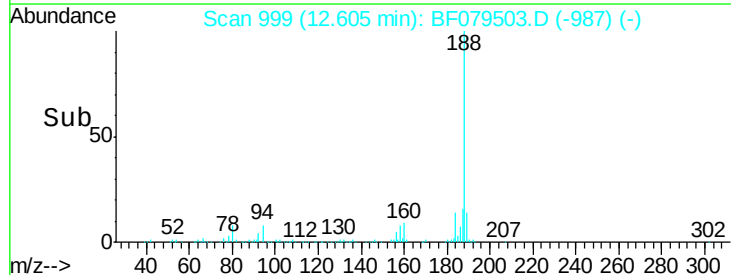
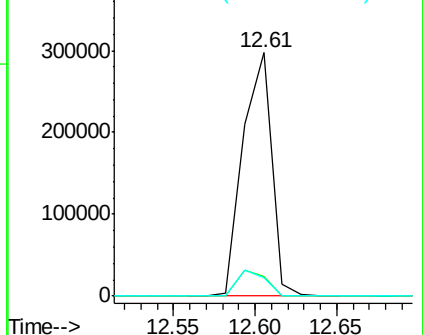


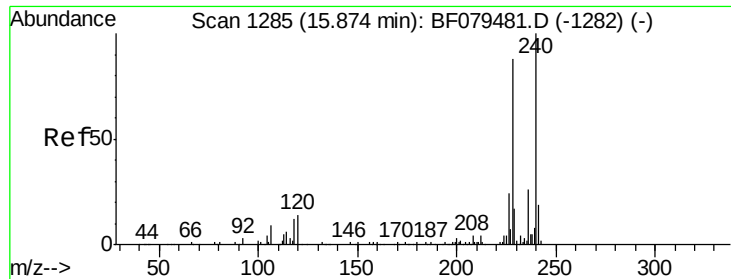
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF079503.D
 Acq: 27 May 2015 5:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.8	14.6#
80	7.5	10.5	15.7#



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

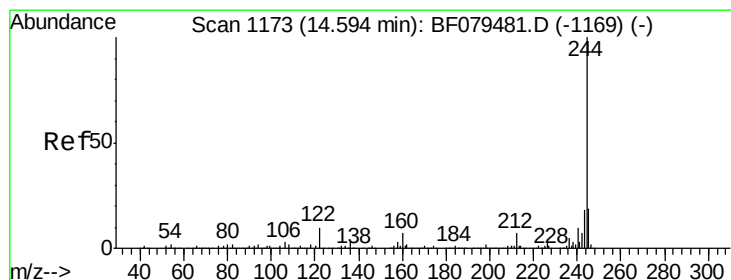
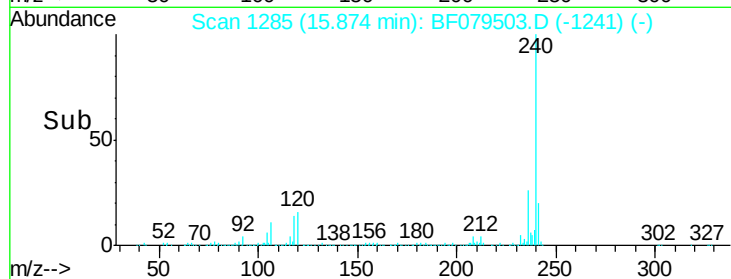
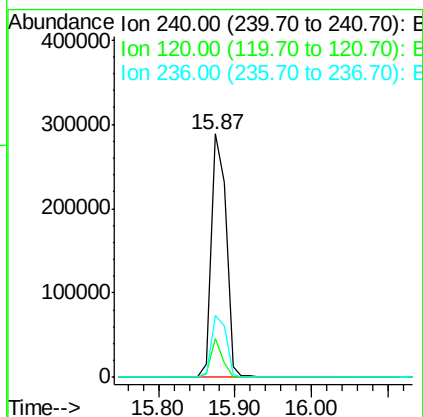
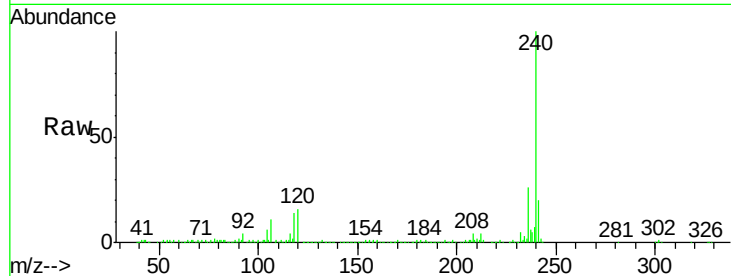




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BF079503.D
Acq: 27 May 2015 5:15

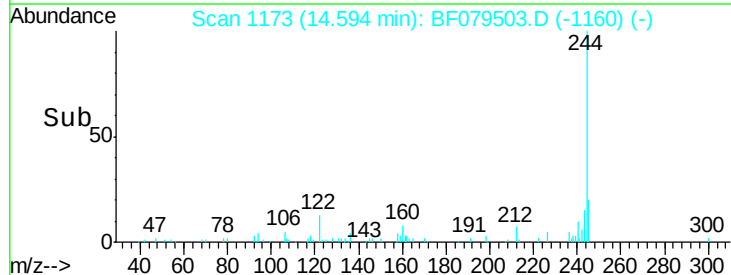
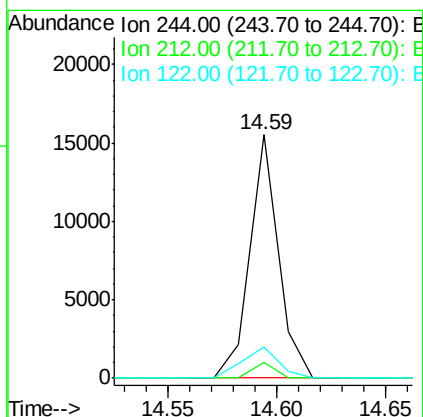
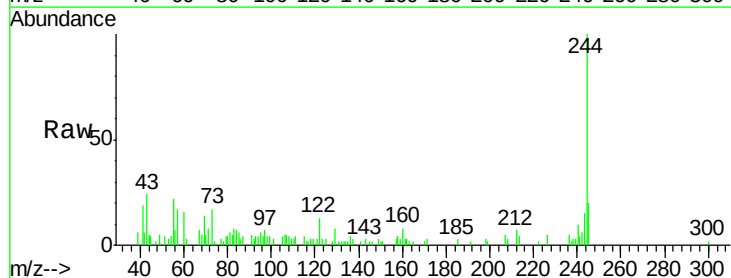
Instrument :
BNA_F
ClientSampleId :
LF001MW001-150518DL

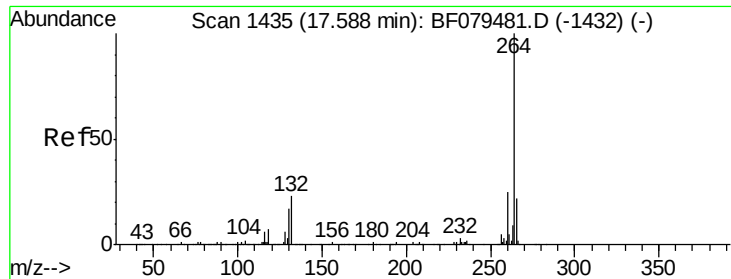
Tgt Ion:240 Resp: 381565
Ion Ratio Lower Upper
240 100
120 16.2 10.8 16.2
236 25.7 21.0 31.6



#78
Terphenyl-d14
Concen: 0.87 ng
RT: 14.59 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF079503.D
Acq: 27 May 2015 5:15

Tgt Ion:244 Resp: 14135
Ion Ratio Lower Upper
244 100
212 6.7 5.2 7.8
122 12.6 8.0 12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.06 min
Lab File: BF079503.D
Acq: 27 May 2015 5:15

Instrument :
BNA_F
ClientSampleId :
LF001MW001-150518DL

Tgt Ion: 264 Resp: 396954
Ion Ratio Lower Upper
264 100
260 23.9 19.8 29.8
265 21.9 17.8 26.6

