

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011315\
 Data File : BF076841.D
 Acq On : 13 Jan 2015 13:24
 Operator : IZ / TP
 Sample : G1044-01
 Misc : W
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

Quant Time: Jan 14 11:35:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 12 10:43:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	36694	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	158132	20.00	ng	-0.03
38) Acenaphthene-d10	15.09	164	85276	20.00	ng	-0.05
63) Phenanthrene-d10	17.82	188	141730	20.00	ng	-0.03
75) Chrysene-d12	21.31	240	129675	20.00	ng	-0.05
86) Perylene-d12	23.02	264	123879	20.00	ng	0.00

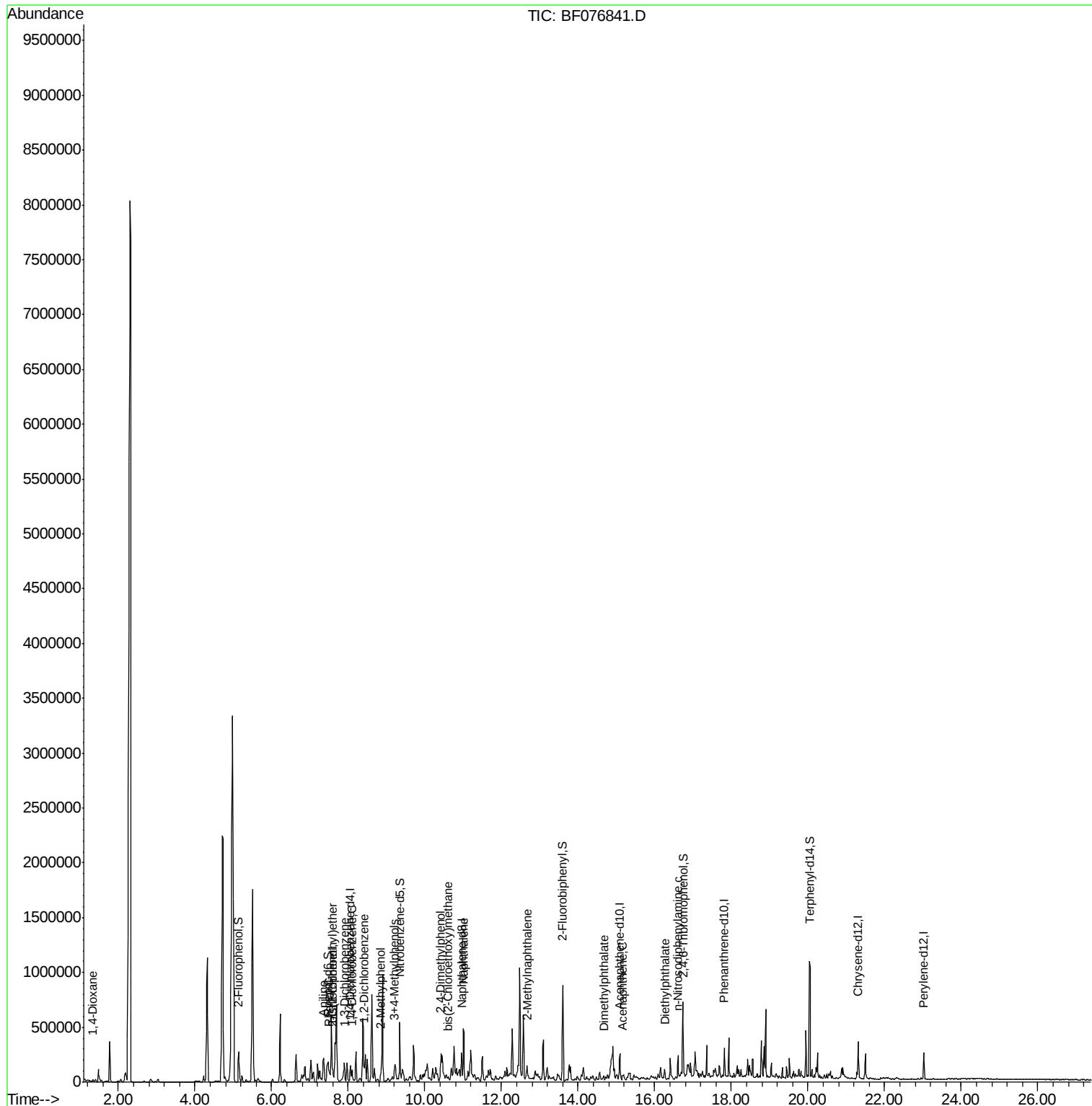
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	146423	66.59	ng	-0.03
7) Phenol-d6	7.48	99	109513	39.56	ng	-0.02
23) Nitrobenzene-d5	9.35	82	268889	94.49	ng	-0.03
41) 2,4,6-Tribromophenol	16.75	330	103932	146.02	ng	-0.03
44) 2-Fluorobiphenyl	13.60	172	521354	89.98	ng	-0.05
78) Terphenyl-d14	20.05	244	470897	79.73	ng	-0.02

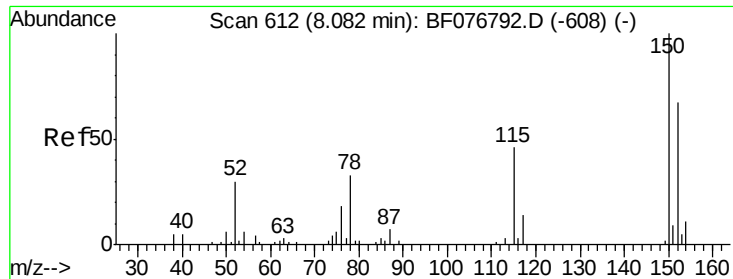
Target Compounds				Qvalue		
2) 1,4-Dioxane	1.34	88	8824	9.41	ng	87
6) Aniline	7.35	93	86930	22.74	ng	98
8) 2-Chlorophenol	7.60	128	21610	8.31	ng	87
10) Phenol	7.50	94	44274	14.68	ng	90
11) bis(2-Chloroethyl)ether	7.59	93	28663	11.86	ng	97
12) 1,3-Dichlorobenzene	7.91	146	5811	2.01	ng	96
13) 1,4-Dichlorobenzene	8.09	146	42671	14.09	ng	92
14) 1,2-Dichlorobenzene	8.41	146	41690	14.78	ng	96
17) 2-Methylphenol	8.85	107	13168	6.32	ng	89
20) 3+4-Methylphenols	9.21	107	79439	28.89	ng	95
27) 2,4-Dimethylphenol	10.41	122	20441	9.15	ng	92
28) bis(2-Chloroethoxy)methane	10.61	93	18021	5.93	ng	# 69
31) Naphthalene	11.01	128	388664	47.91	ng	98
37) 2-Methylnaphthalene	12.67	142	51074	8.97	ng	95
49) Dimethylphthalate	14.67	163	31218	5.04	ng	# 97
51) Acenaphthene	15.16	154	13930	2.76	ng	96
59) Diethylphthalate	16.27	149	28598	4.48	ng	96
65) n-Nitrosodiphenylamine	16.61	169	69232	13.45	ng	97

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

```
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Operator  : IZ / TP  
Sample    : G1044-01  
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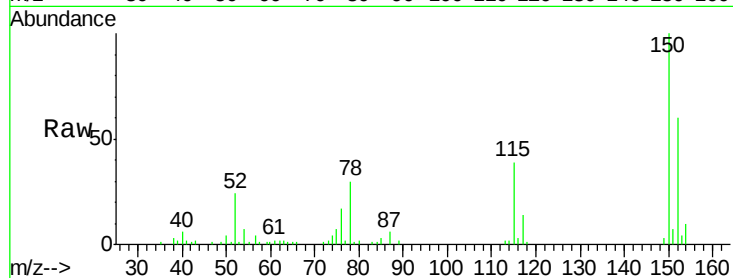




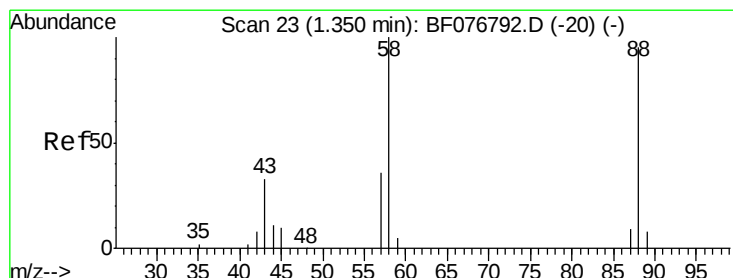
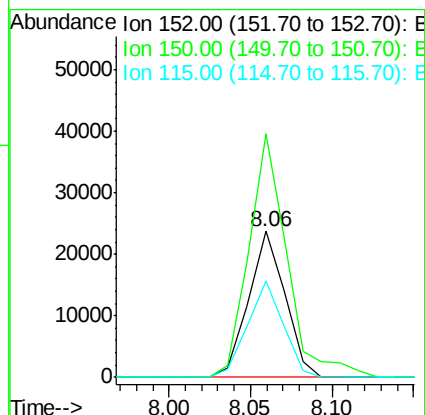
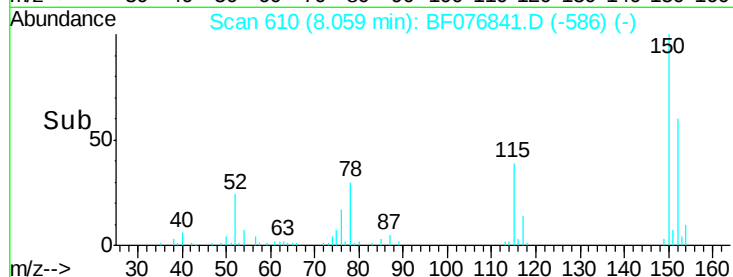
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.06 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

Instrument :
 BNA_F
 ClientSampled :
 SP-1A

Tgt Ion:152 Resp: 36694
 Ion Ratio Lower Upper
 152 100
 150 166.8 119.5 179.3
 115 65.8 54.6 81.8

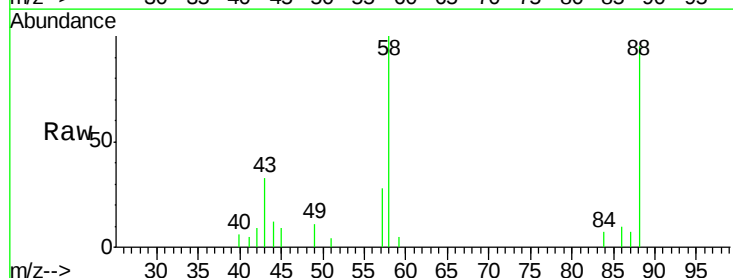


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

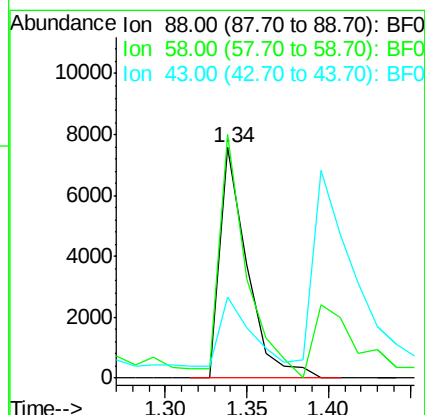
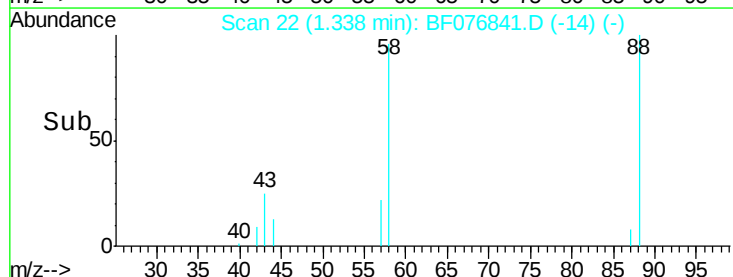


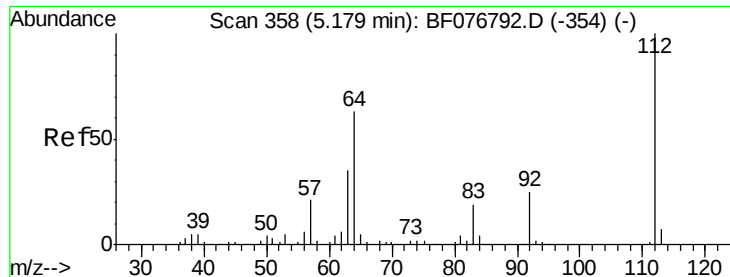
#2
 1,4-Dioxane
 Concen: 9.41 ng
 RT: 1.34 min Scan# 22
 Delta R.T. -0.01 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

Tgt Ion: 88 Resp: 8824
 Ion Ratio Lower Upper
 88 100
 58 105.1 72.4 108.6
 43 32.9 24.0 36.0



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: 66.59 ng

RT: 5.14 min Scan# 355

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

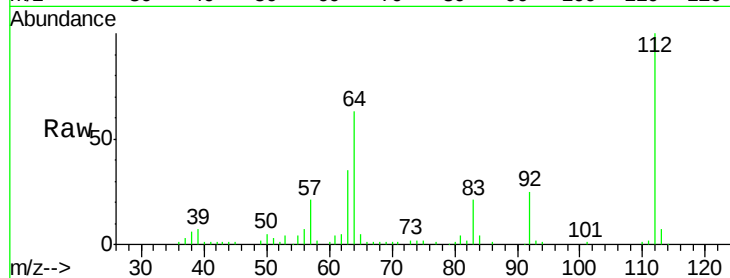
Tgt Ion: 112 Resp: 146423

Ion Ratio Lower Upper

112 100

64 63.2 50.2 75.4

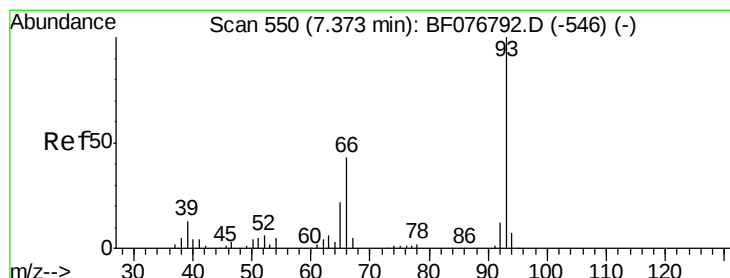
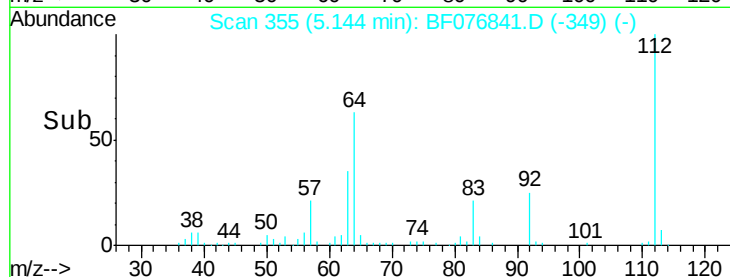
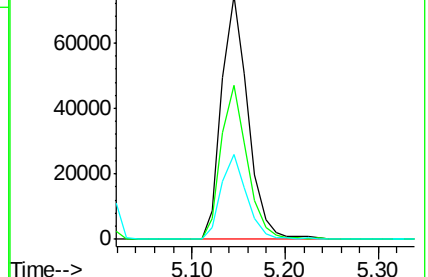
63 35.1 27.8 41.6



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: 22.74 ng

RT: 7.35 min Scan# 548

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

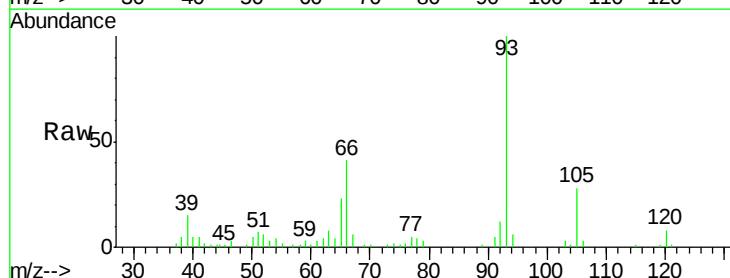
Tgt Ion: 93 Resp: 86930

Ion Ratio Lower Upper

93 100

66 41.3 34.1 51.1

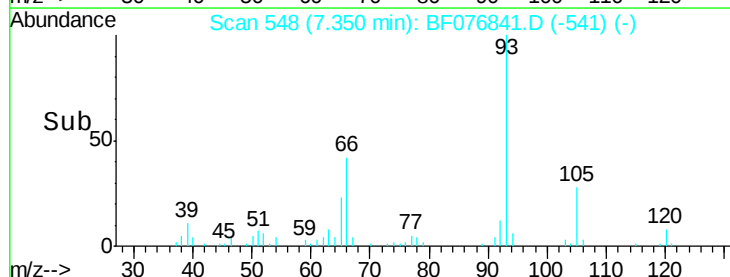
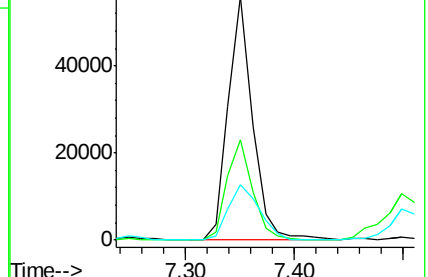
65 22.8 18.0 27.0

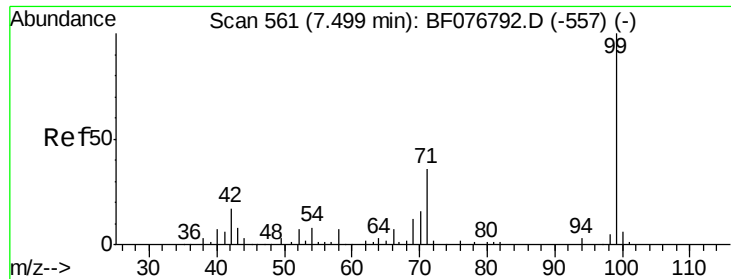


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 39.56 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

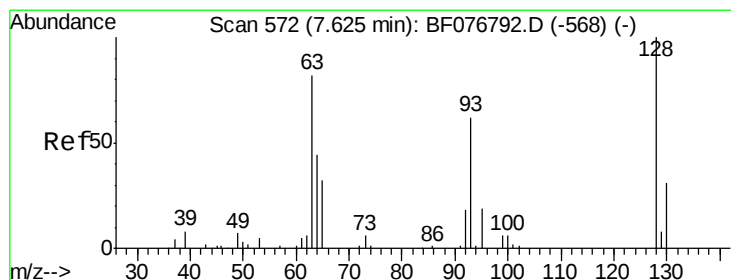
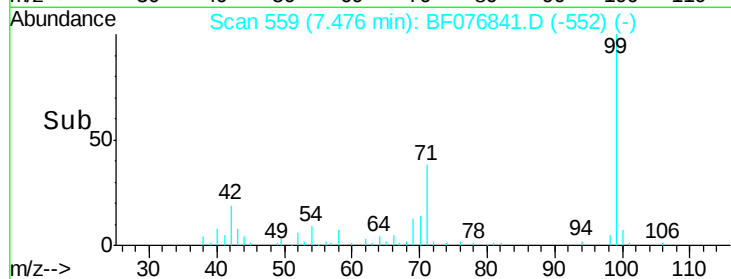
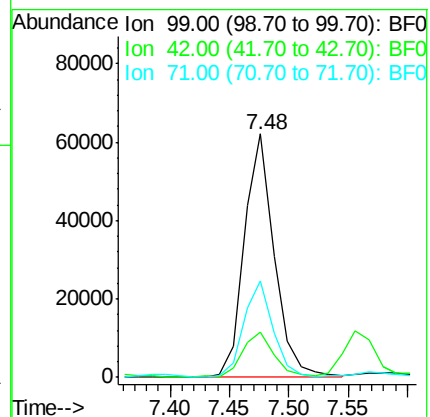
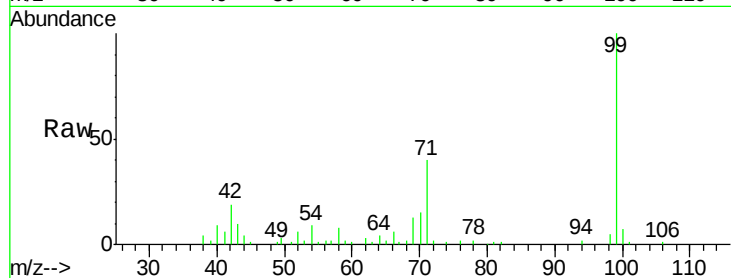
Tgt Ion: 99 Resp: 109513

Ion Ratio Lower Upper

99 100

42 18.5 13.3 19.9

71 39.5 29.2 43.8



#8

2-Chlorophenol

Concen: 8.31 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

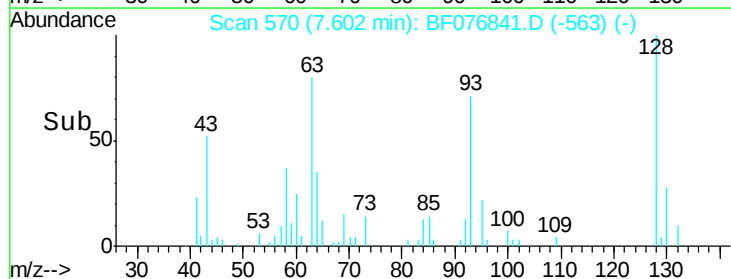
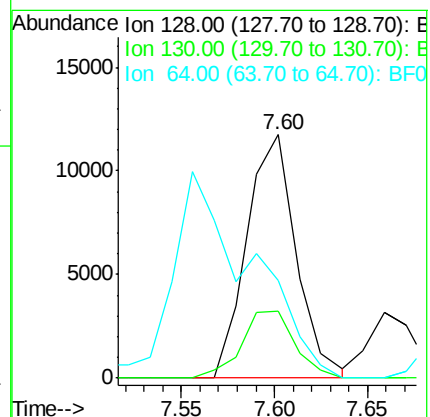
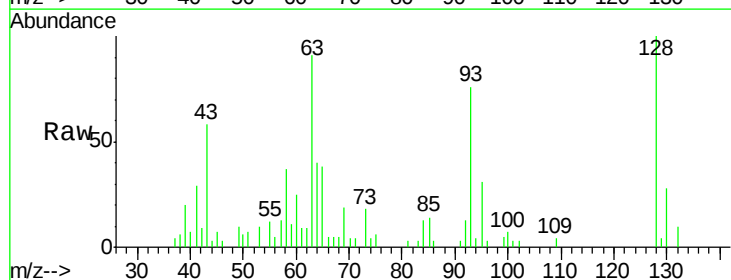
Tgt Ion: 128 Resp: 21610

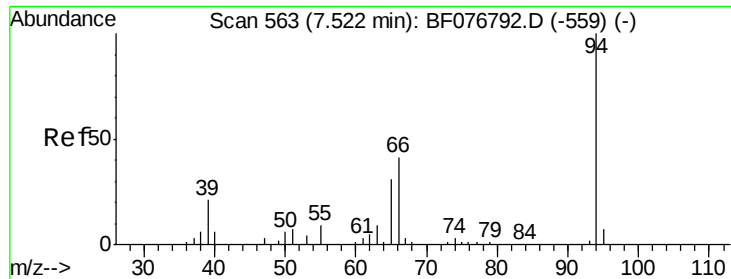
Ion Ratio Lower Upper

128 100

130 27.6 10.6 50.6

64 40.4 32.8 72.8





#10

Phenol

Concen: 14.68 ng

RT: 7.50 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

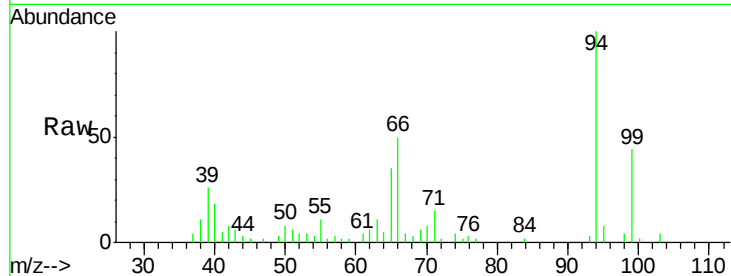
Tgt Ion: 94 Resp: 44274

Ion Ratio Lower Upper

94 100

65 34.7 11.6 51.6

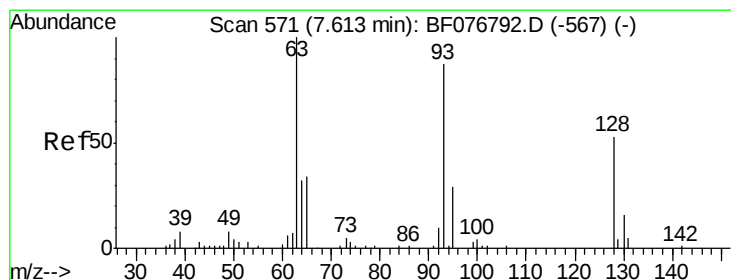
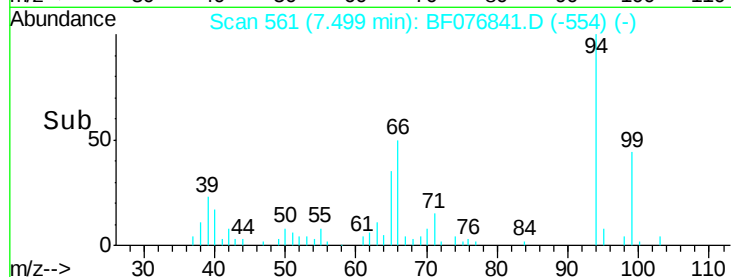
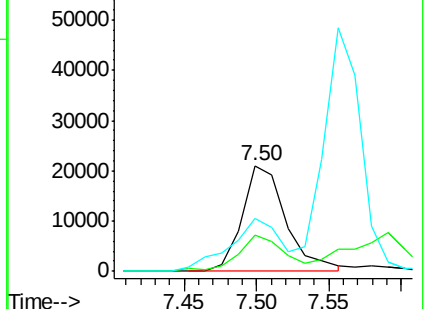
66 50.2 22.3 62.3



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 11.86 ng

RT: 7.59 min Scan# 569

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

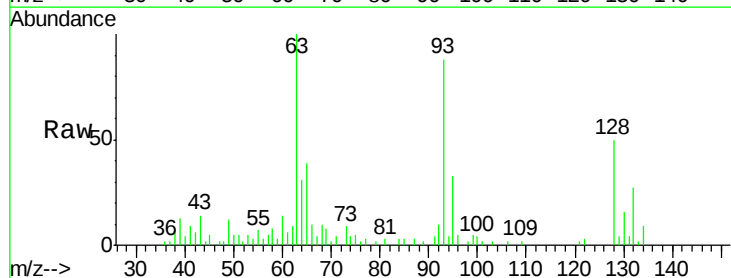
Tgt Ion: 93 Resp: 28663

Ion Ratio Lower Upper

93 100

63 113.7 96.1 136.1

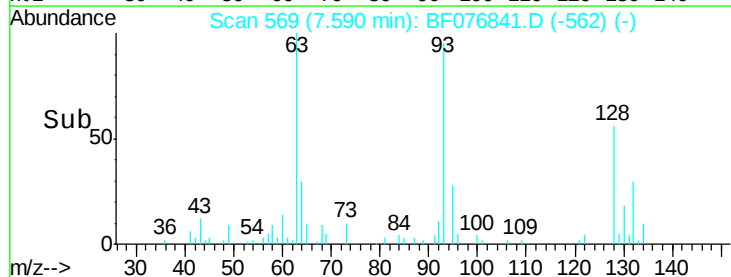
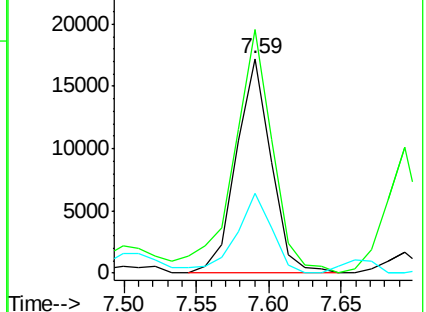
95 37.4 14.0 54.0

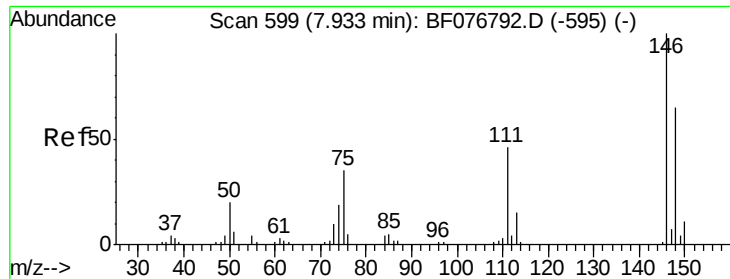


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 2.01 ng

RT: 7.91 min Scan# 597

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

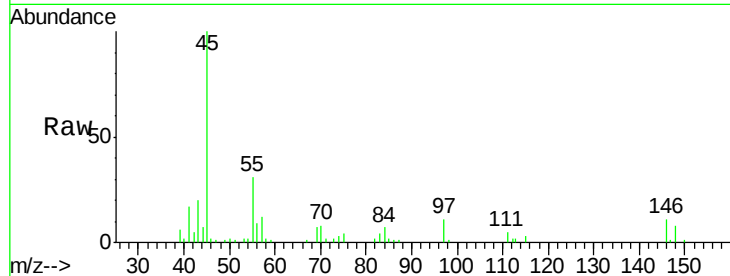
Tgt Ion:146 Resp: 5811

Ion Ratio Lower Upper

146 100

148 67.8 52.1 78.1

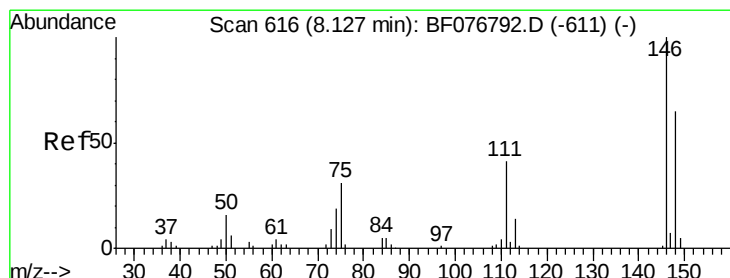
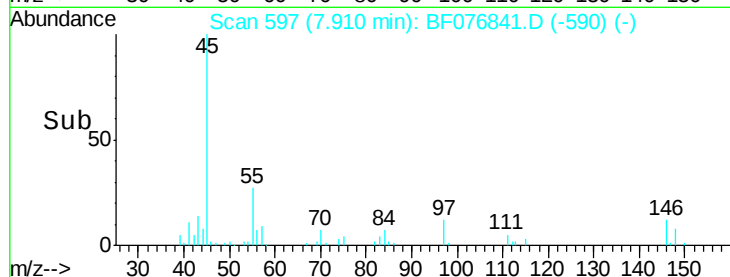
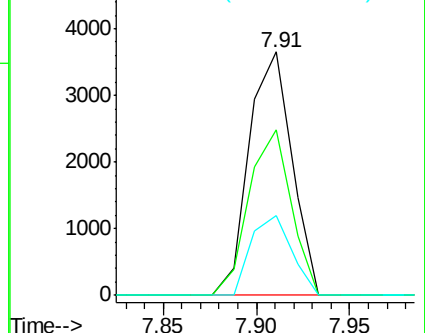
75 32.7 28.0 42.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 14.09 ng

RT: 8.09 min Scan# 613

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

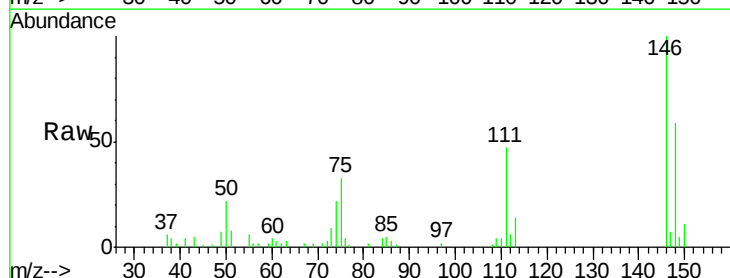
Tgt Ion:146 Resp: 42671

Ion Ratio Lower Upper

146 100

148 59.2 51.8 77.8

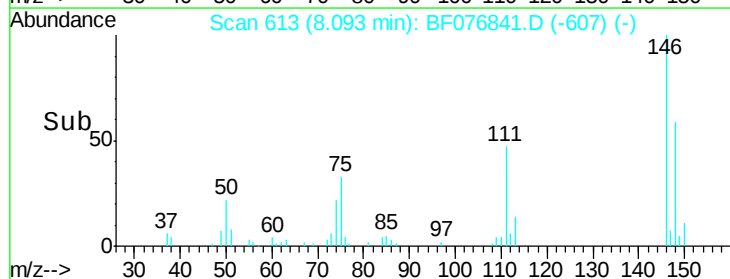
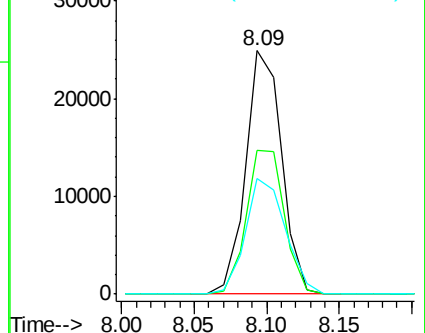
111 47.3 32.6 49.0

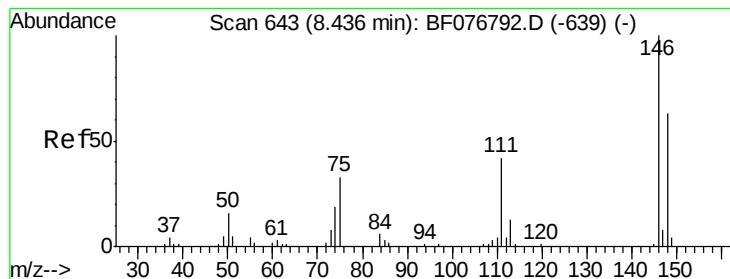


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 14.78 ng

RT: 8.41 min Scan# 641

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

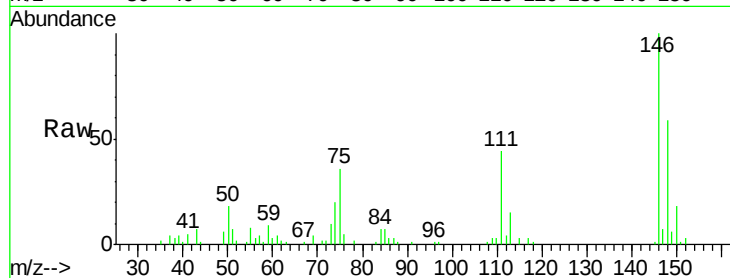
Tgt Ion:146 Resp: 41690

Ion Ratio Lower Upper

146 100

148 58.9 50.2 75.2

111 44.2 34.3 51.5

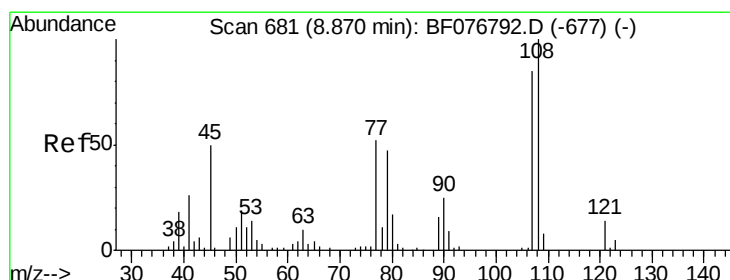
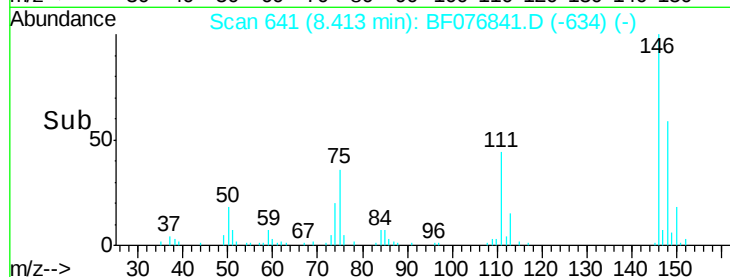
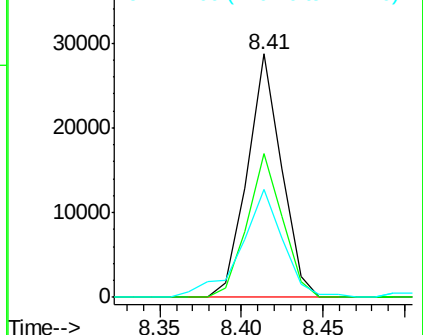


Abundance

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: 6.32 ng

RT: 8.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Tgt Ion:107 Resp: 13168

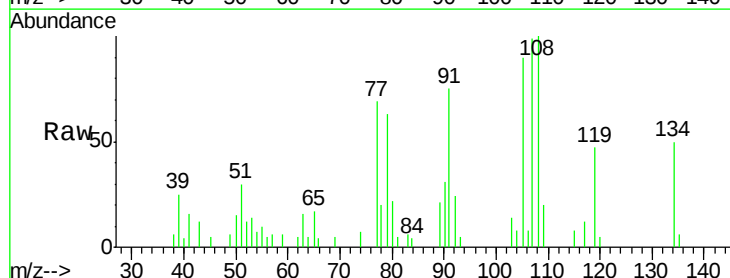
Ion Ratio Lower Upper

107 100

108 101.0 93.8 140.8

77 70.1 51.3 76.9

79 63.6 46.5 69.7



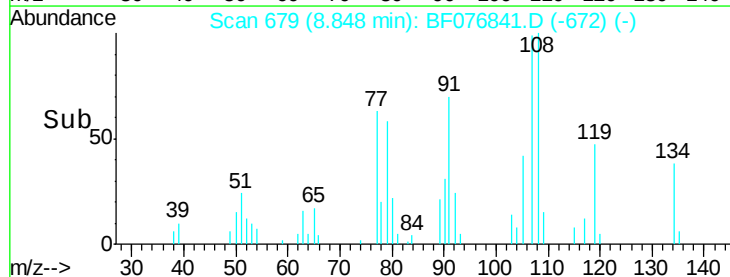
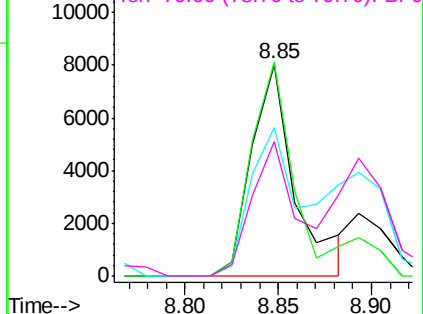
Abundance

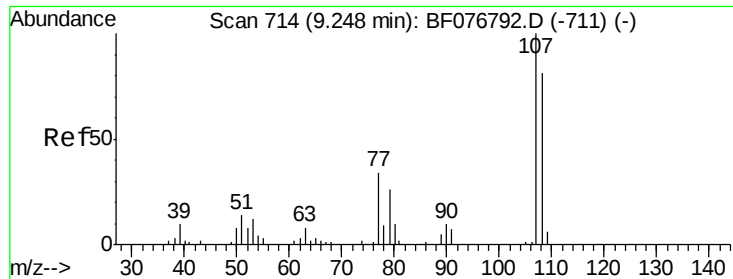
Ion 107.00 (106.70 to 107.70): E

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

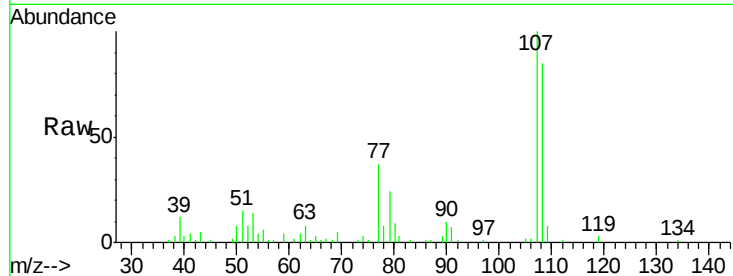




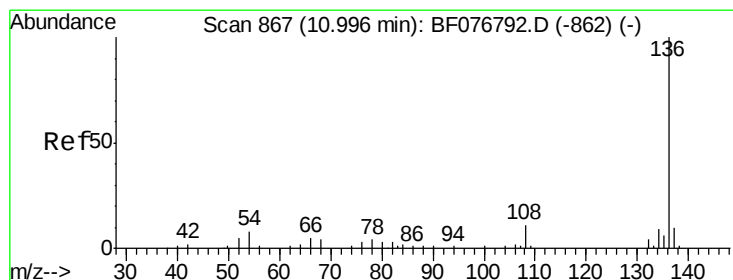
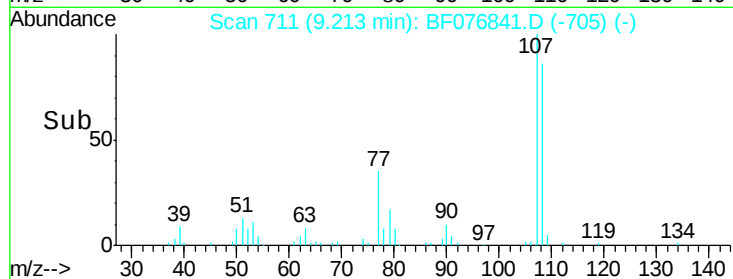
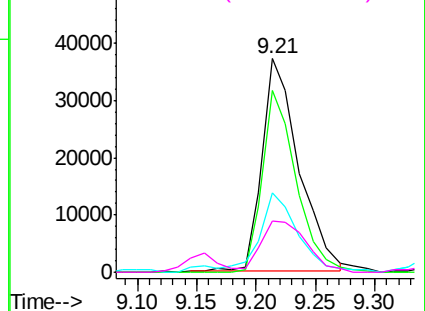
#20
3+4-Methylphenols
Concen: 28.89 ng
RT: 9.21 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF076841.D
Acq: 13 Jan 2015 13:24

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion:	107	Resp:	79439
Ion	Ratio	Lower	Upper
107	100		
108	85.3	61.4	101.4
77	37.2	14.4	54.4
79	24.1	6.4	46.4

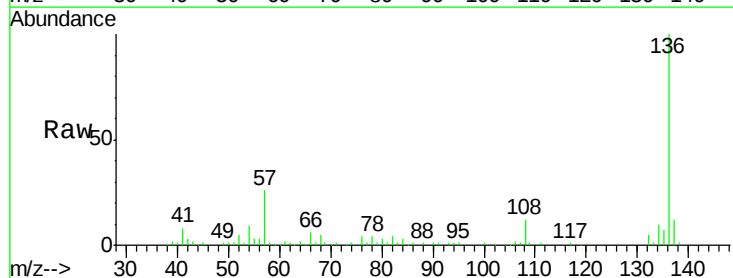


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

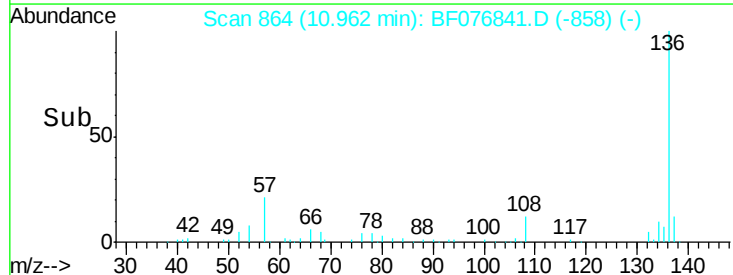
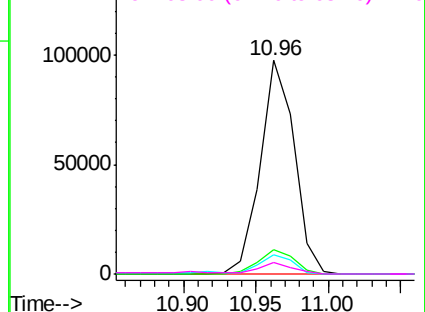


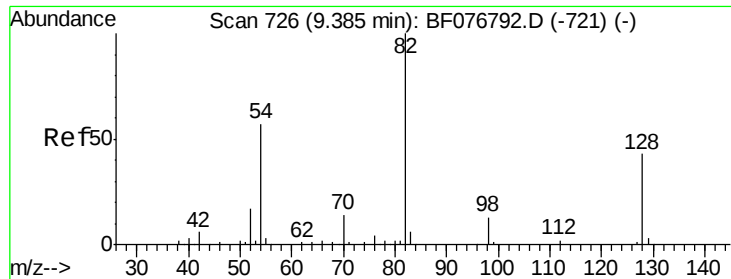
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 864
Delta R.T. -0.03 min
Lab File: BF076841.D
Acq: 13 Jan 2015 13:24

Tgt Ion:	136	Resp:	158132
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.1	12.1
54	8.7	6.3	9.5
68	5.2	3.4	5.0#



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

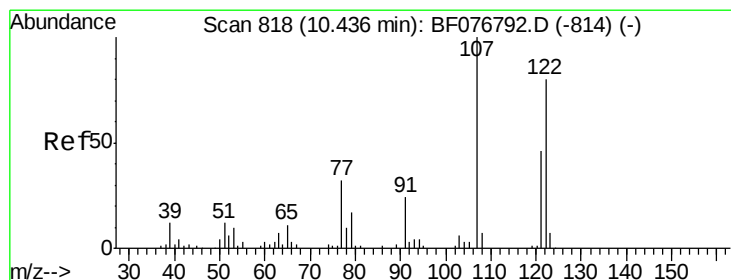
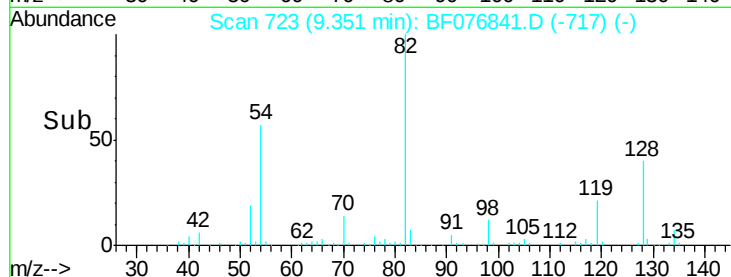
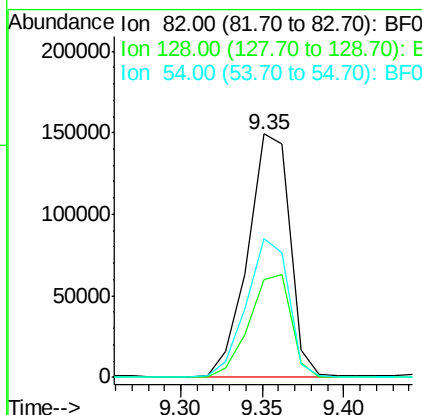
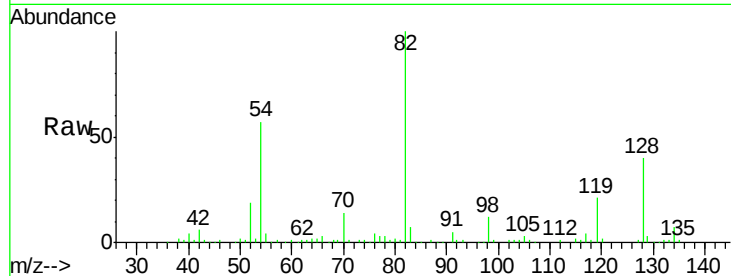




#23
 Nitrobenzene-d5
 Concen: 94.49 ng
 RT: 9.35 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

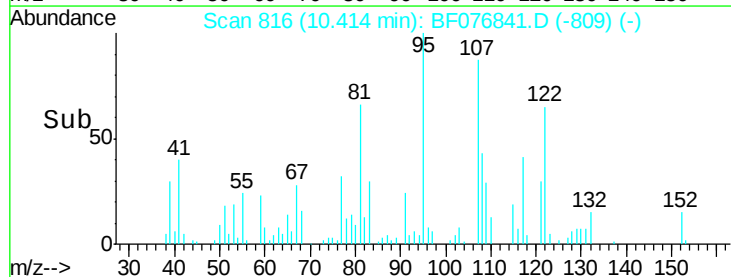
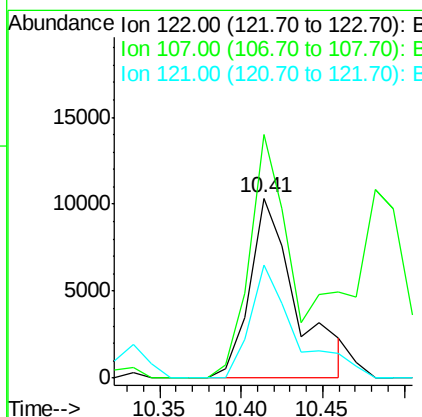
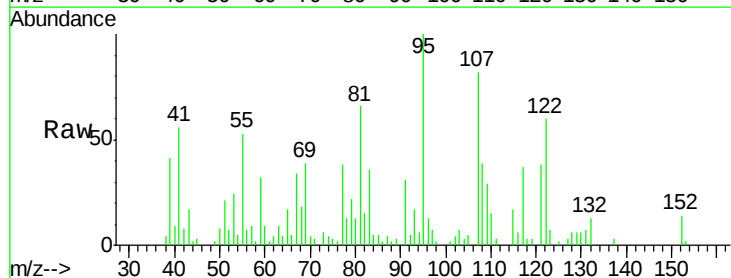
Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

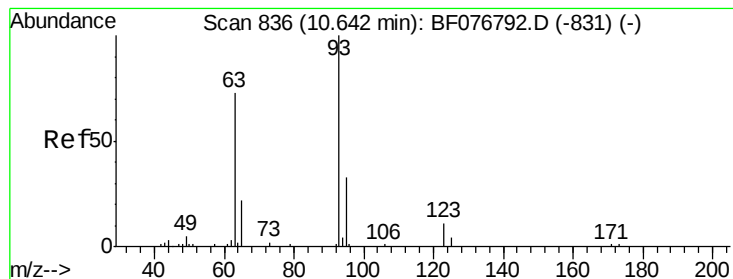
Tgt Ion: 82 Resp: 268889
 Ion Ratio Lower Upper
 82 100
 128 39.9 34.0 51.0
 54 57.2 45.6 68.4



#27
 2,4-Dimethylphenol
 Concen: 9.15 ng
 RT: 10.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

Tgt Ion: 122 Resp: 20441
 Ion Ratio Lower Upper
 122 100
 107 135.1 100.6 150.8
 121 62.7 45.8 68.8





#28

bis(2-Chloroethoxy)methane

Concen: 5.93 ng

RT: 10.61 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

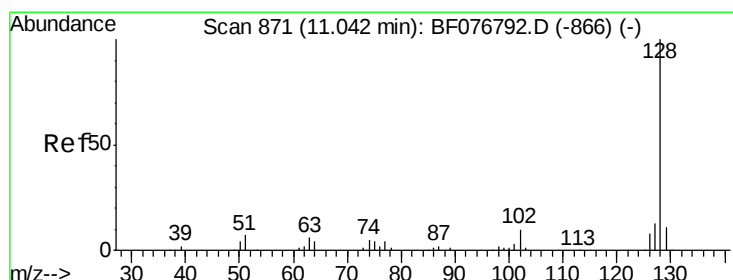
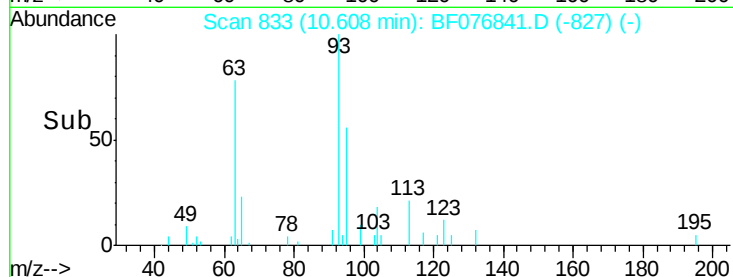
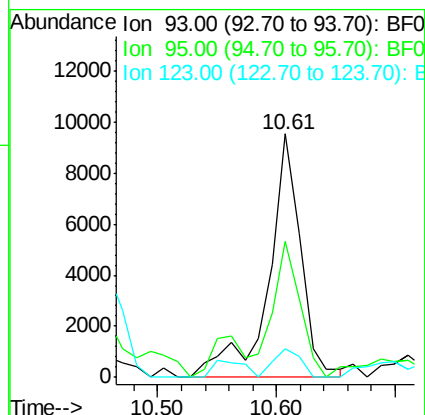
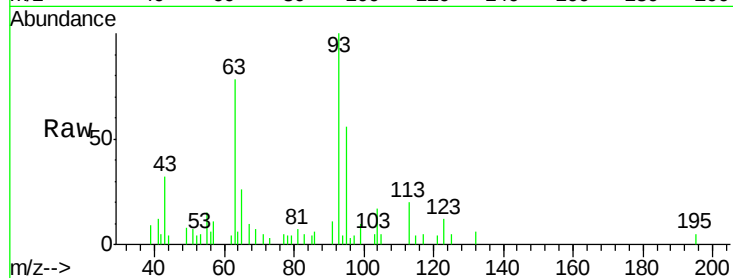
Tgt Ion: 93 Resp: 18021

Ion Ratio Lower Upper

93 100

95 56.1 26.1 39.1#

123 11.5 9.0 13.6



#31

Naphthalene

Concen: 47.91 ng

RT: 11.01 min Scan# 868

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

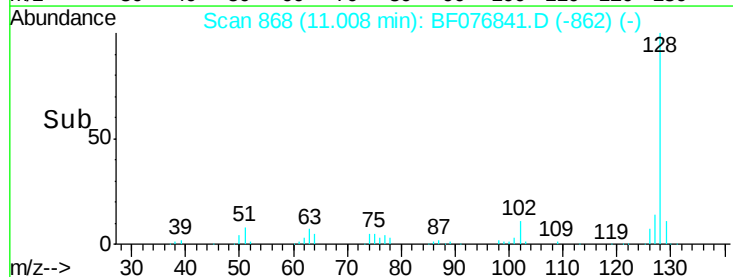
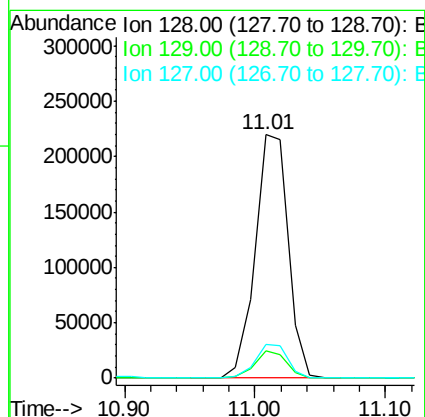
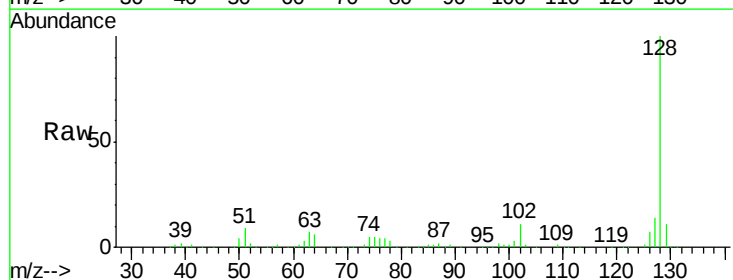
Tgt Ion: 128 Resp: 388664

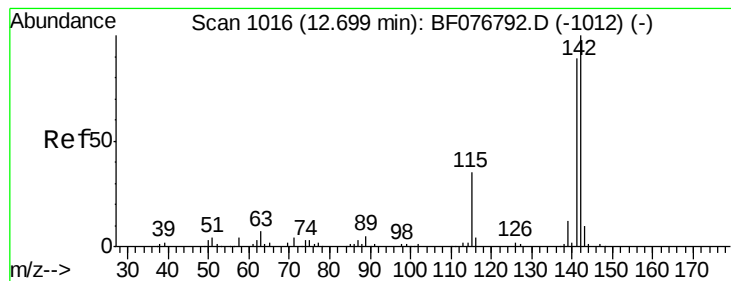
Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 14.0 10.1 15.1





#37

2-Methylnaphthalene

Concen: 8.97 ng

RT: 12.67 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

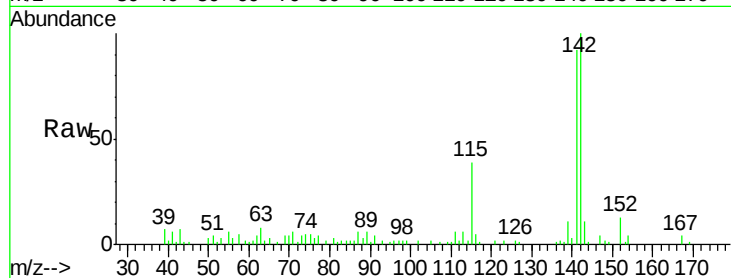
Tgt Ion:142 Resp: 51074

Ion Ratio Lower Upper

142 100

141 92.2 71.0 106.4

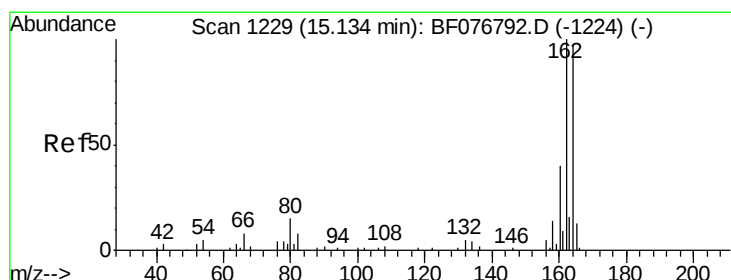
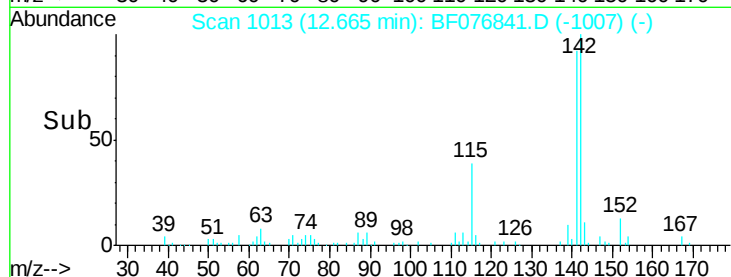
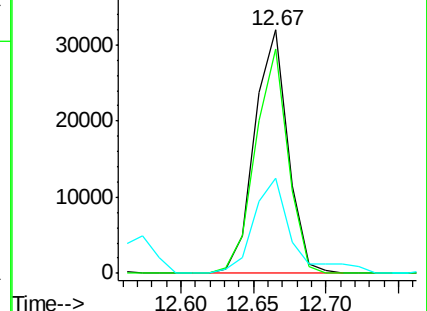
115 39.0 28.2 42.2



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: 15.09 min Scan# 1225

Delta R.T. -0.05 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

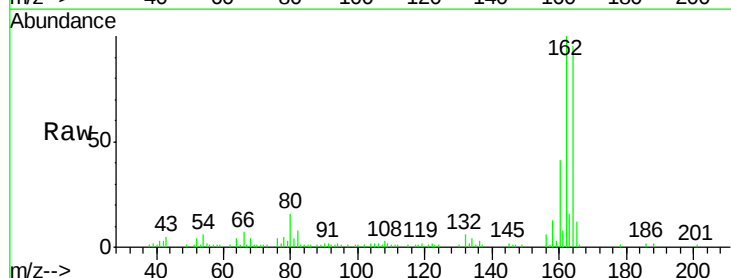
Tgt Ion:164 Resp: 85276

Ion Ratio Lower Upper

164 100

162 105.0 82.5 123.7

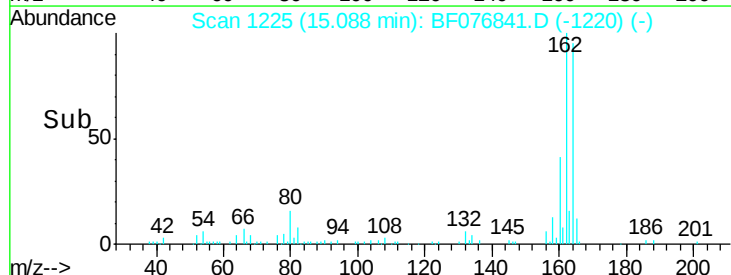
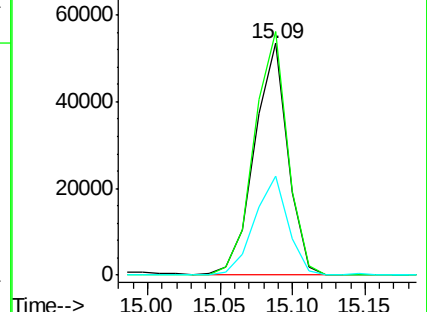
160 42.7 33.1 49.7

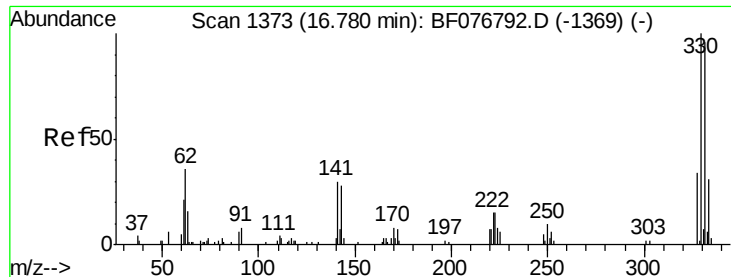


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 146.02 ng

RT: 16.75 min Scan# 1370

Delta R.T. -0.03 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

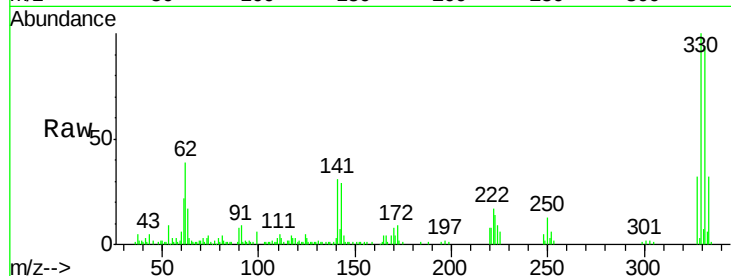
Tgt Ion:330 Resp: 103932

Ion Ratio Lower Upper

330 100

332 95.0 74.8 112.2

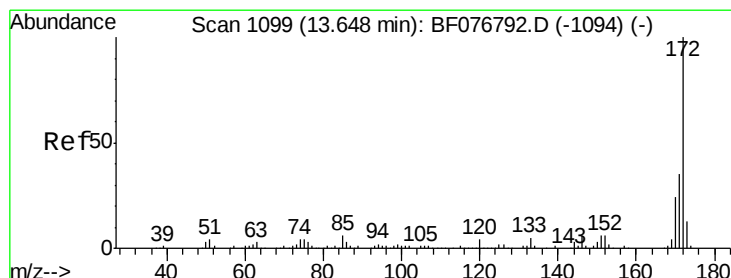
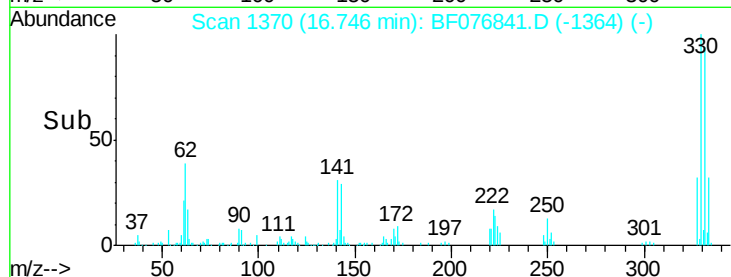
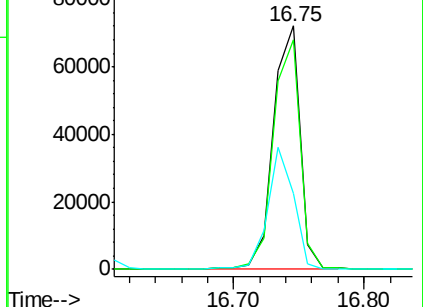
141 48.7 42.4 63.6



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: 89.98 ng

RT: 13.60 min Scan# 1095

Delta R.T. -0.05 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

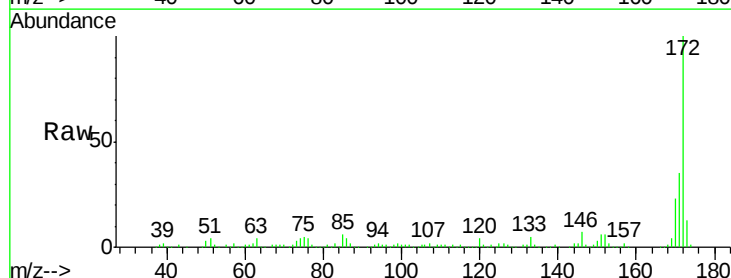
Tgt Ion:172 Resp: 521354

Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.8

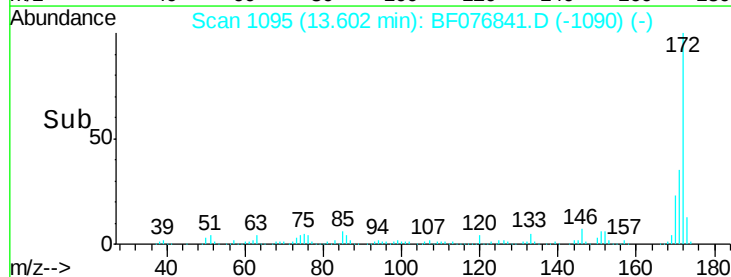
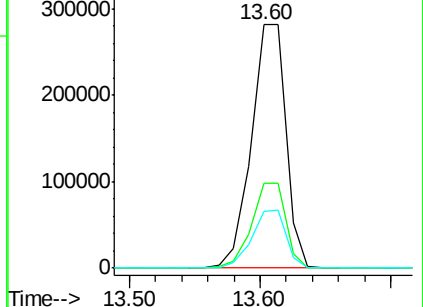
170 23.5 18.8 28.2

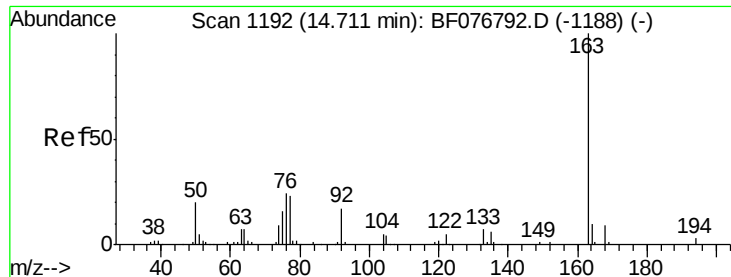


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.04 ng

RT: 14.67 min Scan# 1188

Delta R.T. -0.05 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

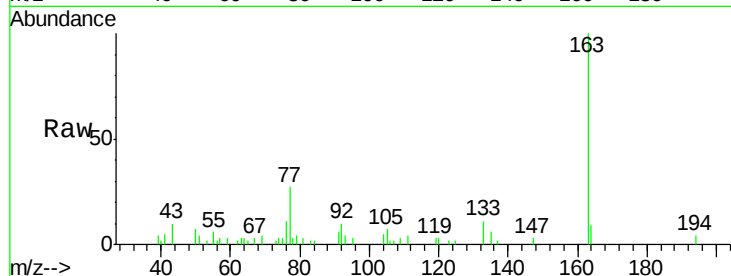
Tgt Ion:163 Resp: 31218

Ion Ratio Lower Upper

163 100

194 4.0 2.3 3.5#

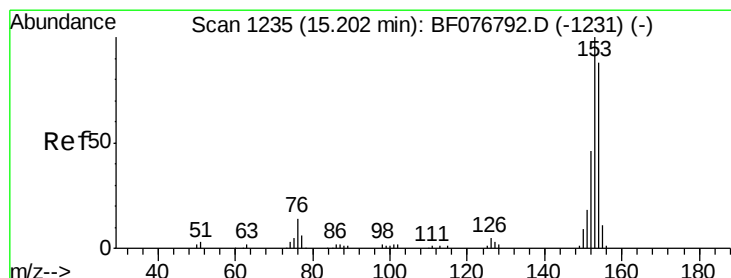
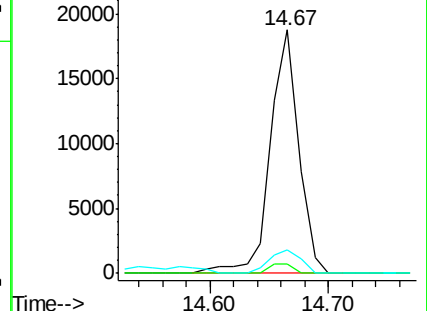
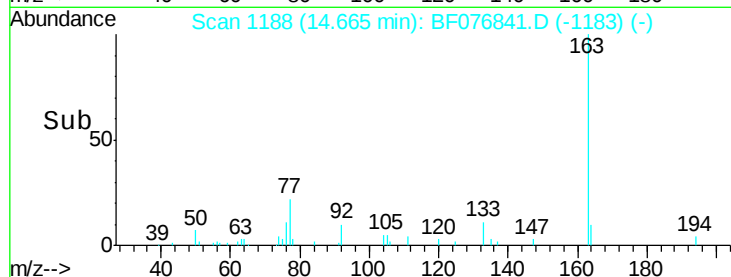
164 9.5 8.3 12.5



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: 2.76 ng

RT: 15.16 min Scan# 1231

Delta R.T. -0.05 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

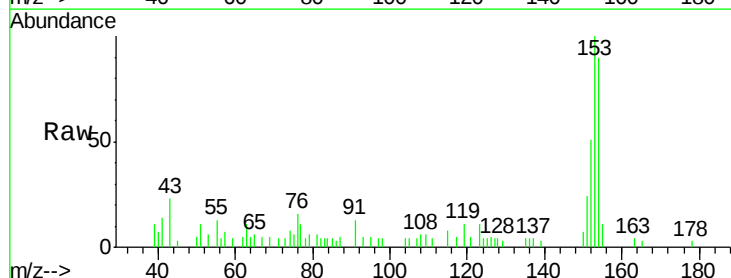
Tgt Ion:154 Resp: 13930

Ion Ratio Lower Upper

154 100

153 110.5 91.0 136.6

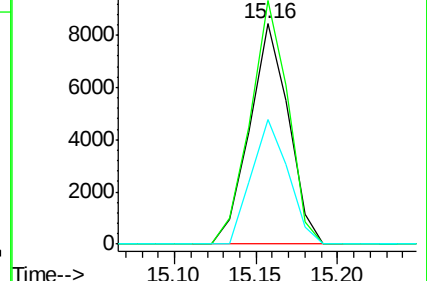
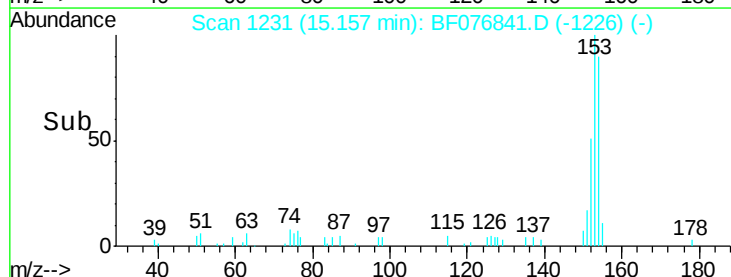
152 56.4 42.2 63.2

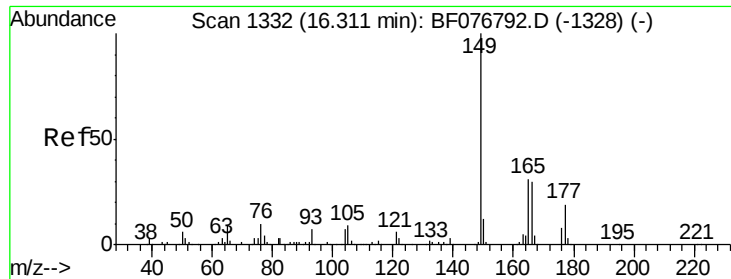


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

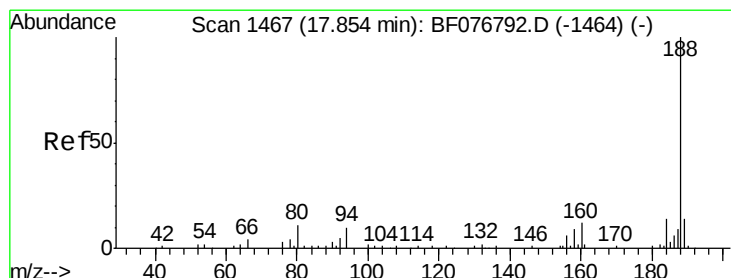
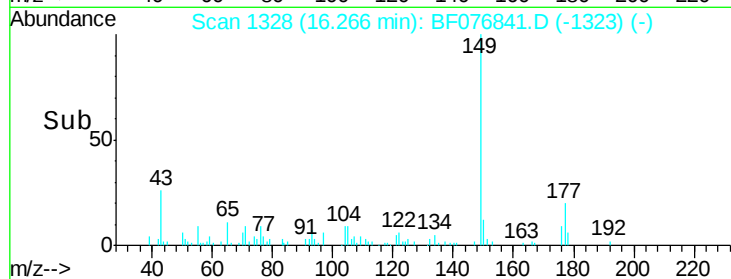
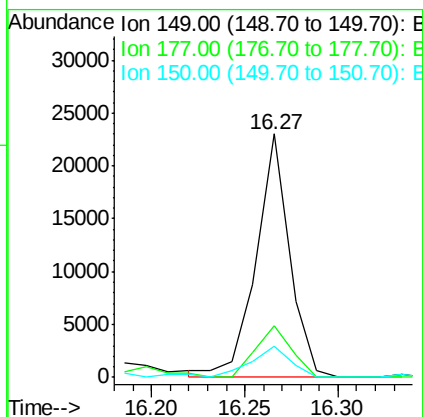
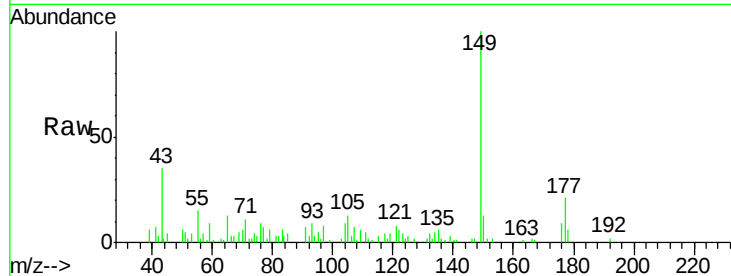




#59
Diethylphthalate
Concen: 4.48 ng
RT: 16.27 min Scan# 1328
Delta R.T. -0.05 min
Lab File: BF076841.D
Acq: 13 Jan 2015 13:24

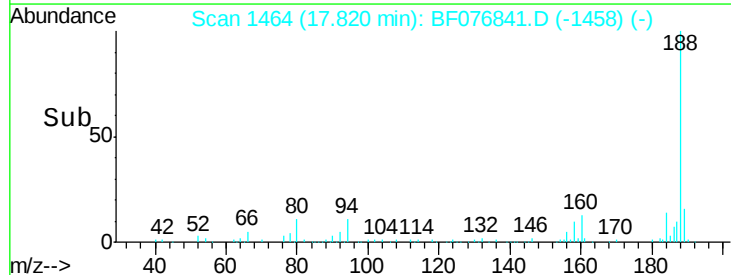
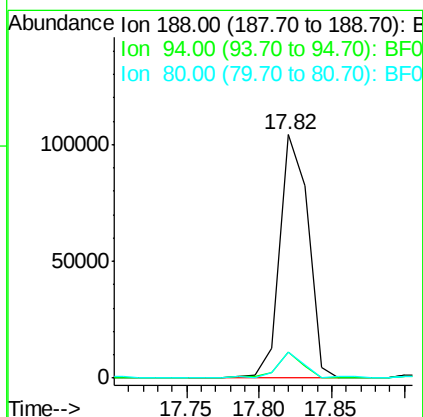
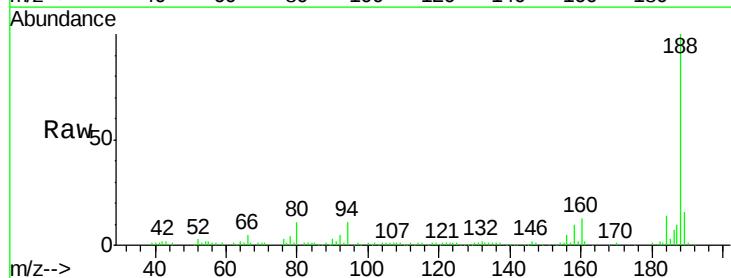
Instrument :
BNA_F
ClientSampleId :
SP-1A

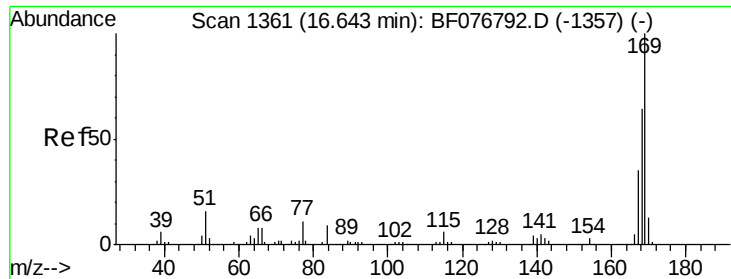
Tgt Ion:149 Resp: 28598
Ion Ratio Lower Upper
149 100
177 21.4 15.4 23.2
150 12.8 9.4 14.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.82 min Scan# 1464
Delta R.T. -0.03 min
Lab File: BF076841.D
Acq: 13 Jan 2015 13:24

Tgt Ion:188 Resp: 141730
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 10.8 8.6 13.0

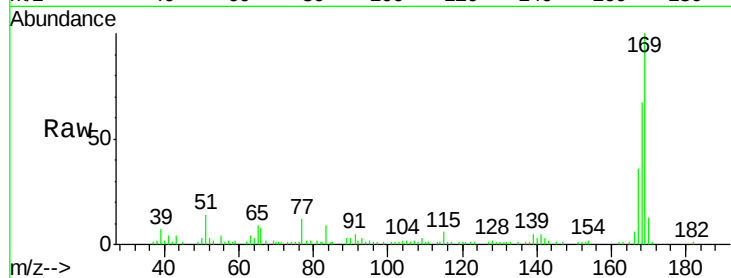




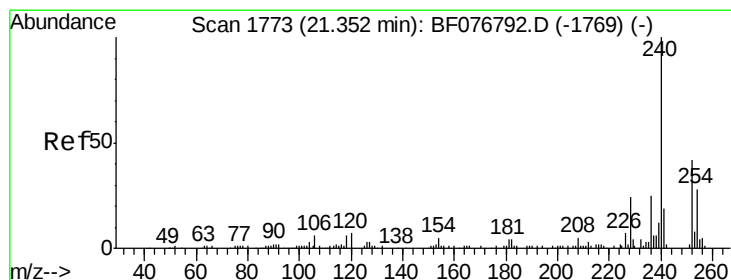
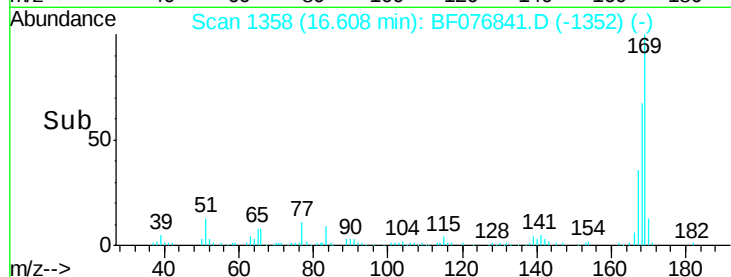
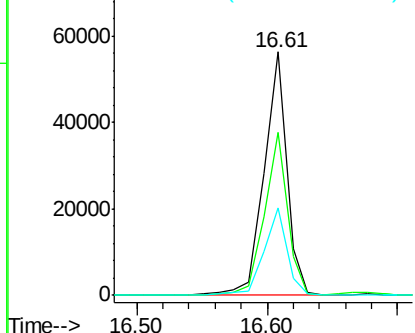
#65
 n-Nitrosodiphenylamine
 Concen: 13.45 ng
 RT: 16.61 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

Tgt Ion:169 Resp: 69232
 Ion Ratio Lower Upper
 169 100
 168 67.0 51.2 76.8
 167 35.7 28.2 42.2

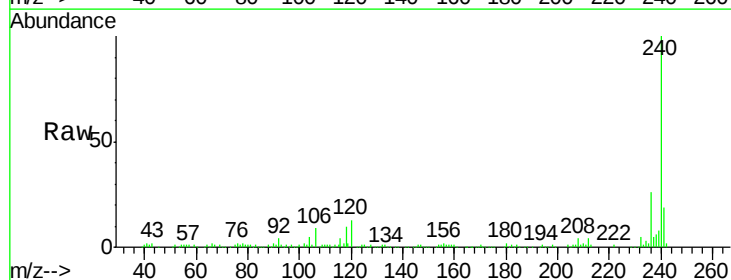


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

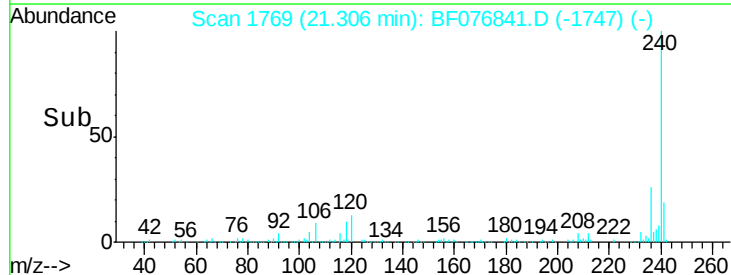
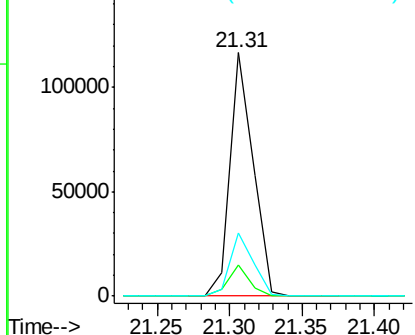


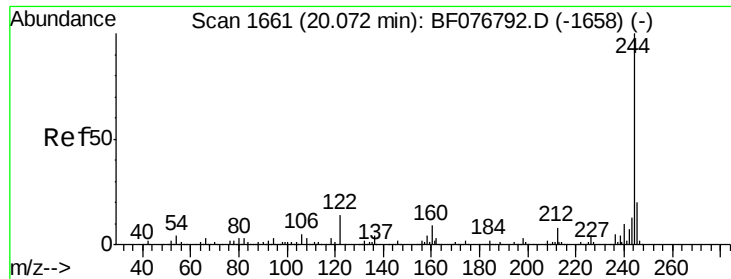
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.31 min Scan# 1769
 Delta R.T. -0.05 min
 Lab File: BF076841.D
 Acq: 13 Jan 2015 13:24

Tgt Ion:240 Resp: 129675
 Ion Ratio Lower Upper
 240 100
 120 12.7 5.7 8.5#
 236 26.2 19.7 29.5



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.73 ng

RT: 20.05 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

Instrument :

BNA_F

ClientSampleId :

SP-1A

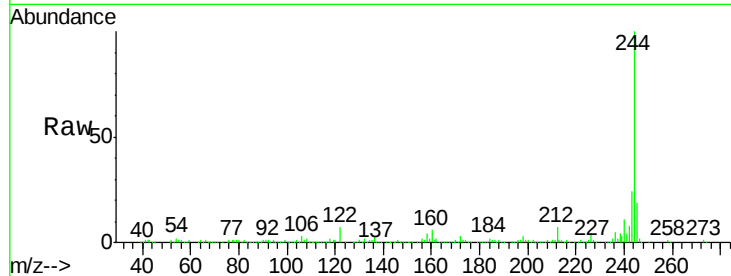
Tgt Ion:244 Resp: 470897

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

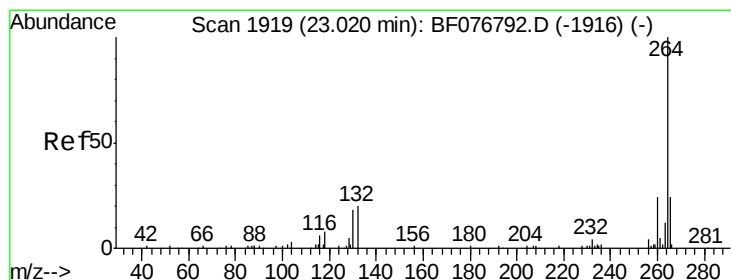
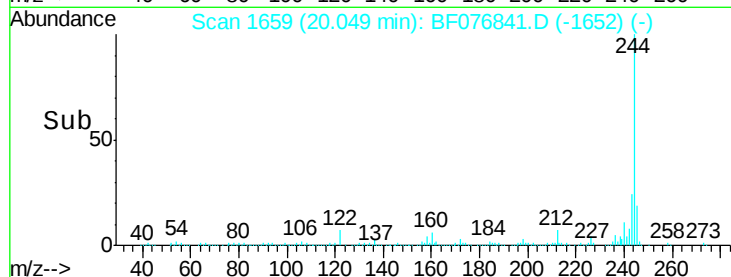
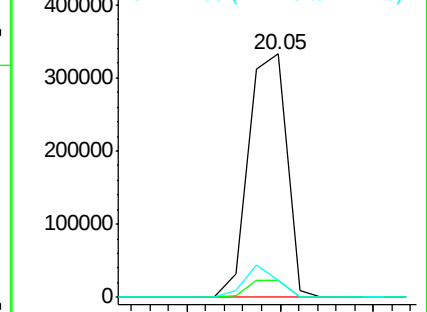
122 7.0 11.3 16.9#



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: 23.02 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BF076841.D

Acq: 13 Jan 2015 13:24

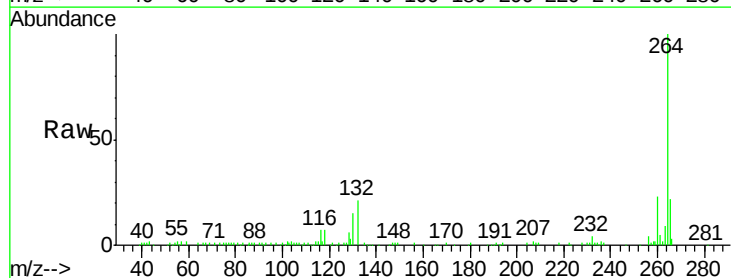
Tgt Ion:264 Resp: 123879

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.0

265 22.4 18.9 28.3



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

