

Data Path : Z:\HPCHEM1\BNA_F\Data\BF011215\
 Data File : BF076817.D
 Acq On : 12 Jan 2015 20:06
 Operator : IZ / TP
 Sample : G1044-04
 Misc : W
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Quant Time: Jan 13 00:56:45 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

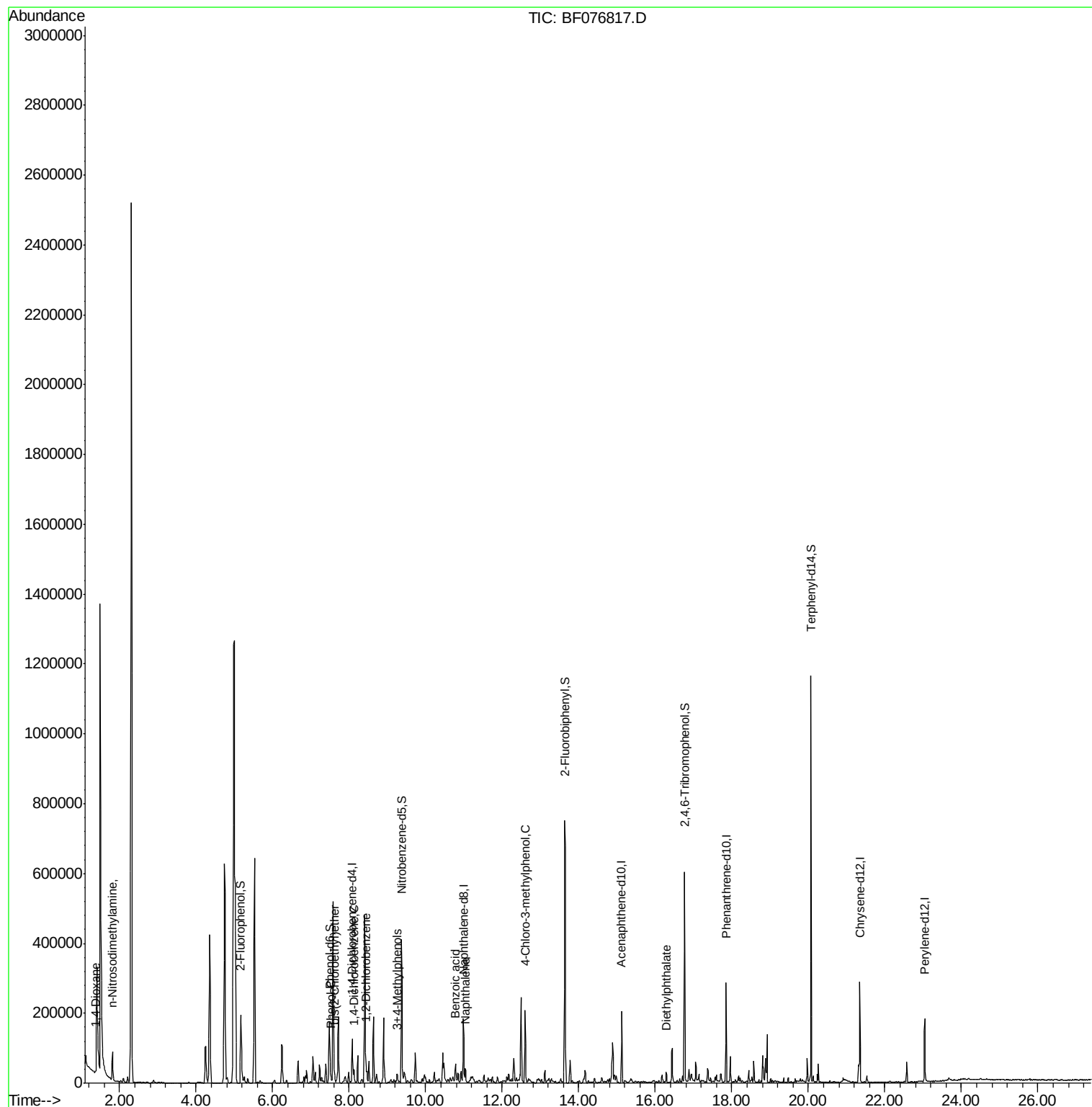
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33707	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	135660	20.00	ng	-0.01
38) Acenaphthene-d10	15.12	164	74781	20.00	ng	-0.01
63) Phenanthrene-d10	17.85	188	121985	20.00	ng	0.00
75) Chrysene-d12	21.34	240	112760	20.00	ng	-0.01
86) Perylene-d12	23.04	264	95487	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	107434	53.19	ng	-0.01
7) Phenol-d6	7.49	99	81507	32.05	ng	-0.01
23) Nitrobenzene-d5	9.37	82	208040	85.22	ng	-0.01
41) 2,4,6-Tribromophenol	16.77	330	79021	126.60	ng	-0.01
44) 2-Fluorobiphenyl	13.64	172	429703	84.57	ng	-0.01
78) Terphenyl-d14	20.07	244	380711	74.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.38	88	4617	5.36	ng	# 14
4) n-Nitrosodimethylamine	1.82	42	3320	2.88	ng	# 3
10) Phenol	7.51	94	8748	3.16	ng	86
11) bis(2-Chloroethyl)ether	7.61	93	8657	3.90	ng	88
13) 1,4-Dichlorobenzene	8.13	146	16031	5.76	ng	# 92
14) 1,2-Dichlorobenzene	8.44	146	14055	5.42	ng	91
20) 3+4-Methylphenols	9.25	107	8289	3.28	ng	97
31) Naphthalene	11.03	128	33170	4.77	ng	96
32) Benzoic acid	10.78	122	14930	15.97	ng	# 17
36) 4-Chloro-3-methylphenol	12.60	107	43384	21.45	ng	# 19
59) Diethylphthalate	16.30	149	13262	2.37	ng	# 91

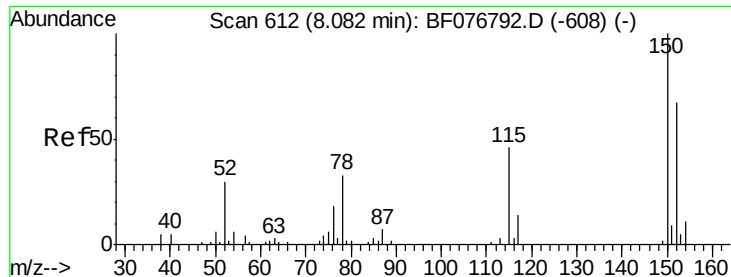
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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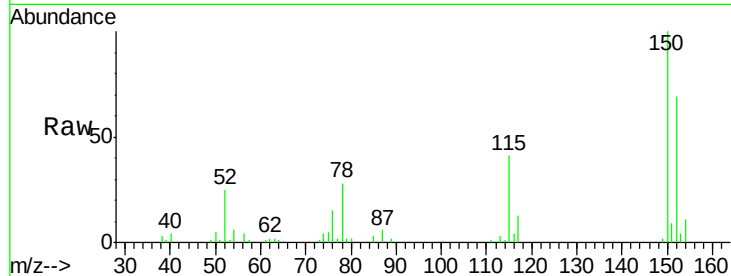


#1

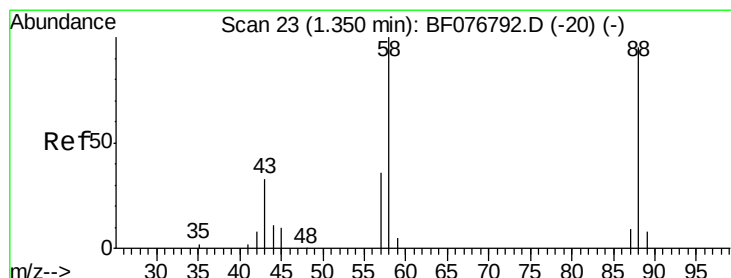
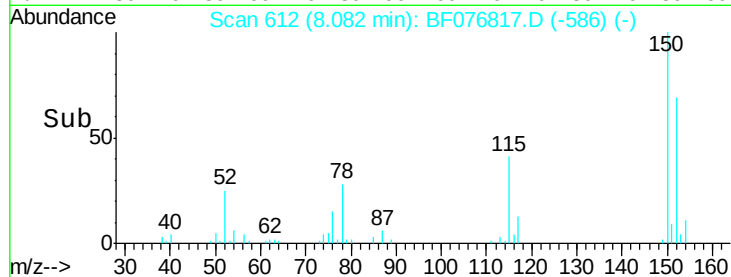
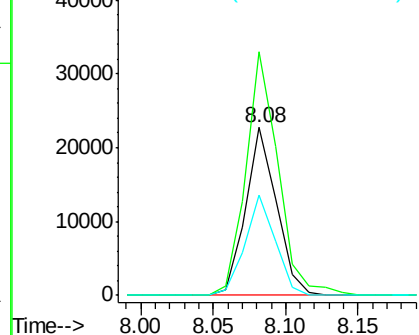
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Instrument :
BNA_F
ClientSampleId :
SP-1B

Tgt Ion: 152 Resp: 33707
Ion Ratio Lower Upper
152 100
150 145.3 119.5 179.3
115 60.0 54.6 81.8



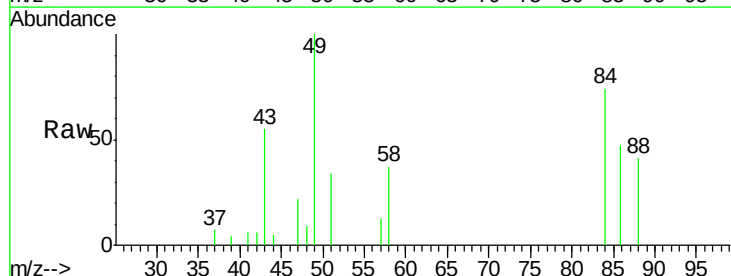
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



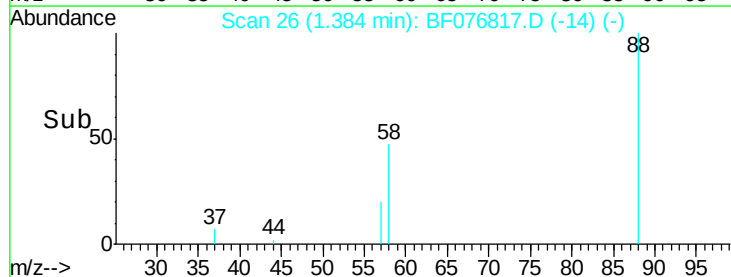
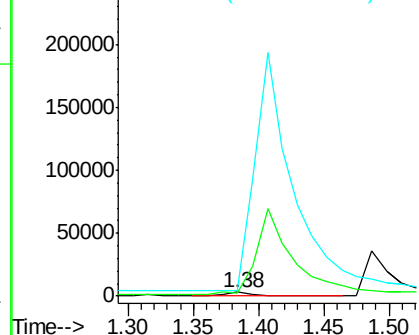
#2

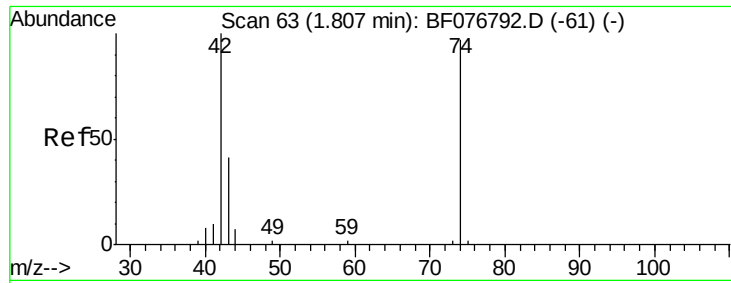
1,4-Dioxane
Concen: 5.36 ng
RT: 1.38 min Scan# 26
Delta R.T. 0.03 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Tgt Ion: 88 Resp: 4617
Ion Ratio Lower Upper
88 100
58 0.0 72.4 108.6#
43 0.0 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





#4

n-Nitrosodimethylamine

Concen: 2.88 ng

RT: 1.82 min Scan# 64

Delta R.T. 0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

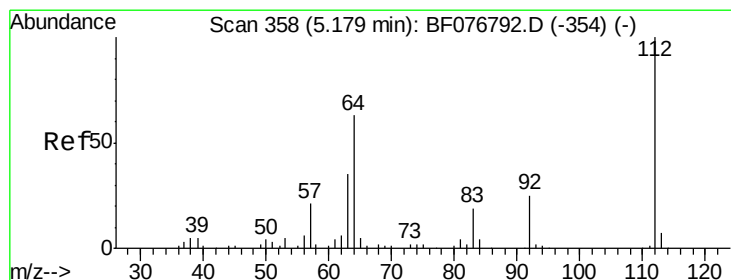
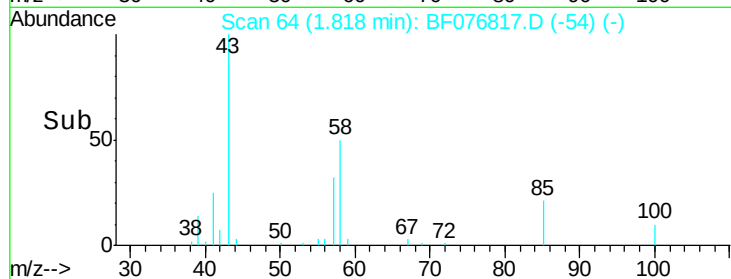
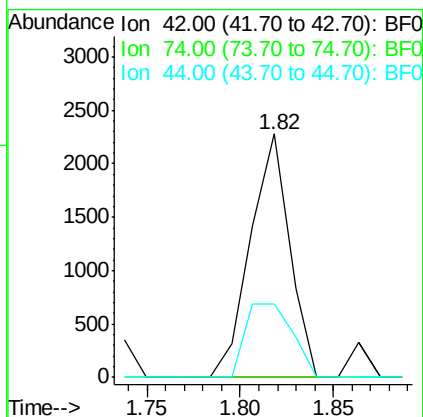
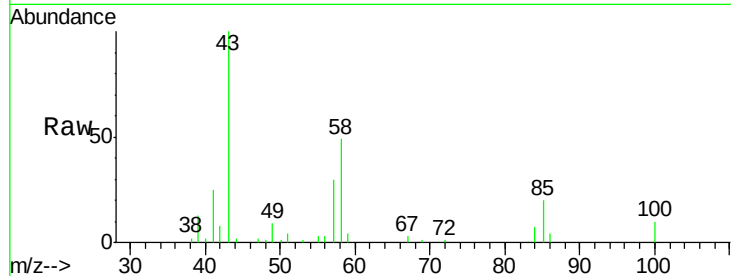
Instrument :

BNA_F

ClientSampleId :

SP-1B

Tgt Ion:	42	Resp:	3320
Ion	Ratio	Lower	Upper
42	100		
74	0.0	77.9	116.9#
44	29.9	5.8	8.6#



#5

2-Fluorophenol

Concen: 53.19 ng

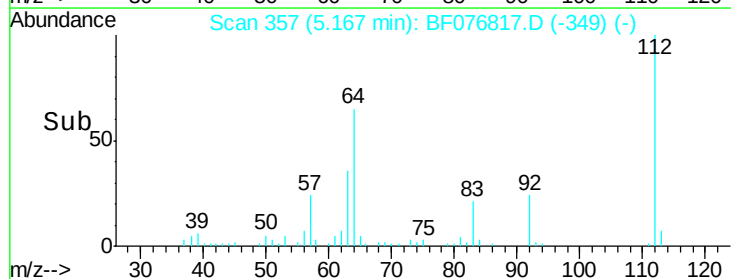
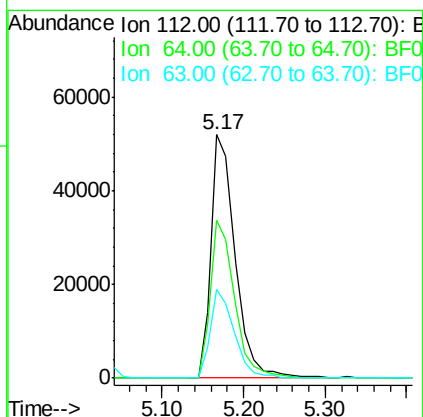
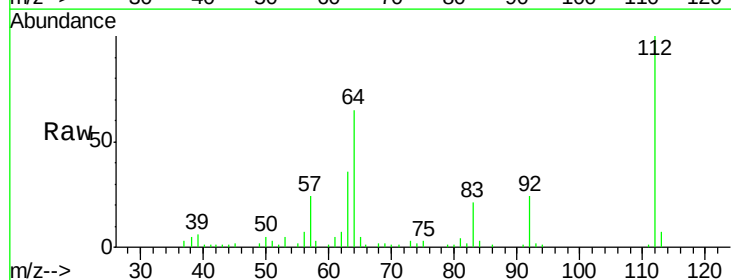
RT: 5.17 min Scan# 357

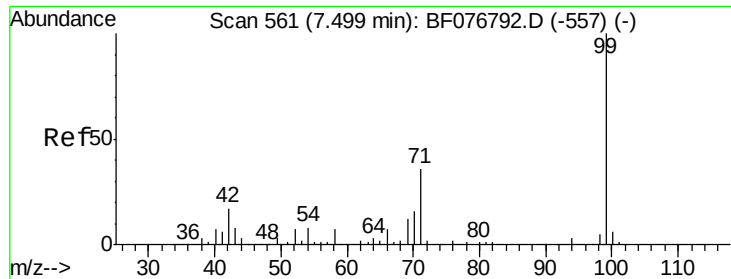
Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Tgt Ion:	112	Resp:	107434
Ion	Ratio	Lower	Upper
112	100		
64	64.8	50.2	75.4
63	36.5	27.8	41.6





#7

Phenol-d6

Concen: 32.05 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampled :

SP-1B

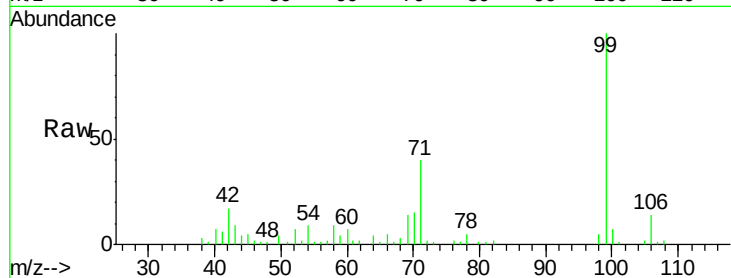
Tgt Ion: 99 Resp: 81507

Ion Ratio Lower Upper

99 100

42 16.8 13.3 19.9

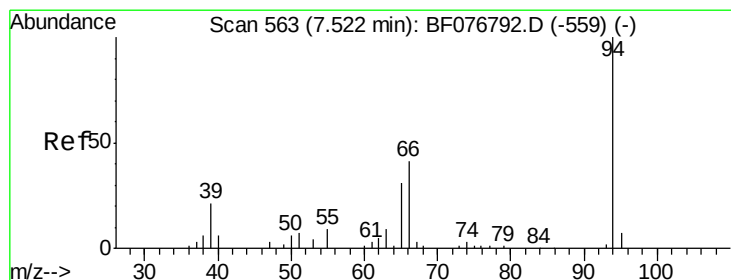
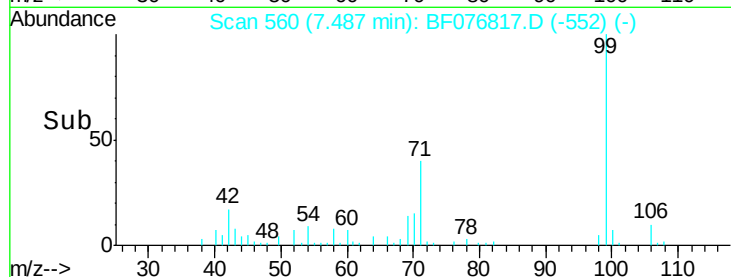
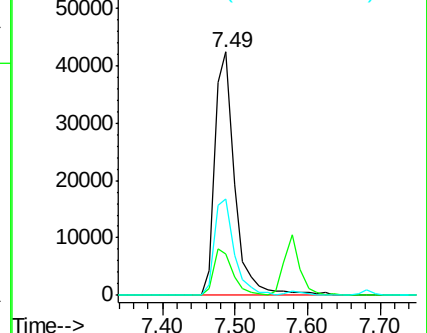
71 39.8 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.16 ng

RT: 7.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

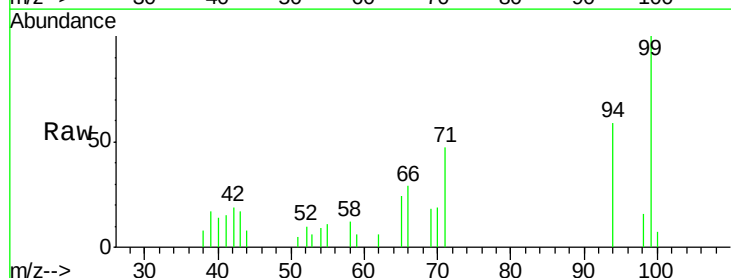
Tgt Ion: 94 Resp: 8748

Ion Ratio Lower Upper

94 100

65 40.8 11.6 51.6

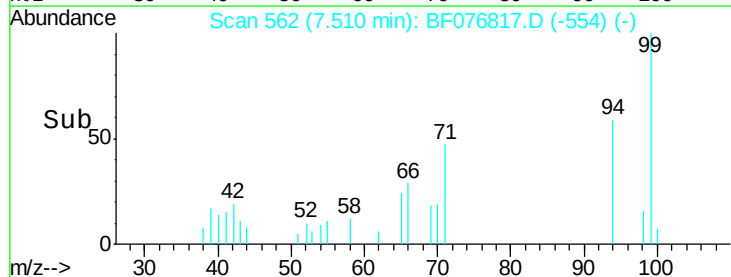
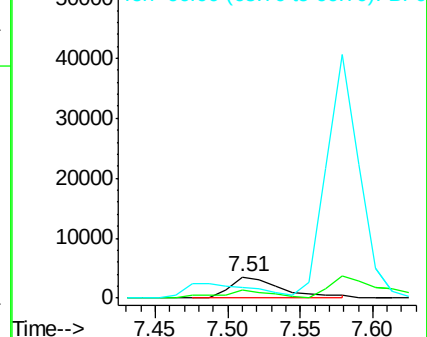
66 49.4 22.3 62.3

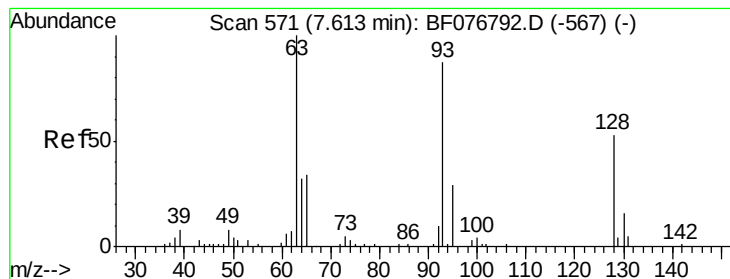


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 3.90 ng

RT: 7.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

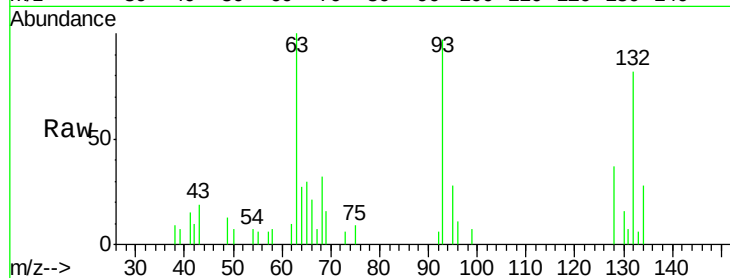
Tgt Ion: 93 Resp: 8657

Ion Ratio Lower Upper

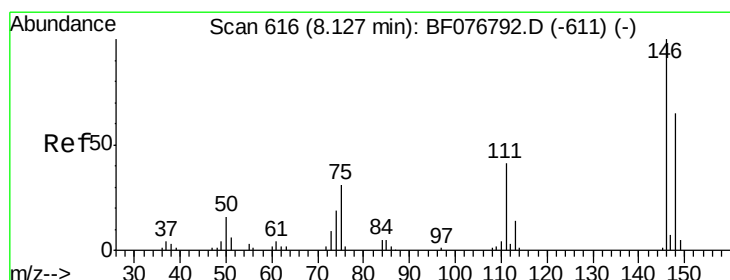
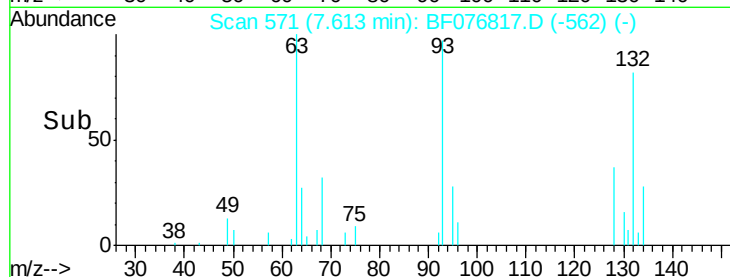
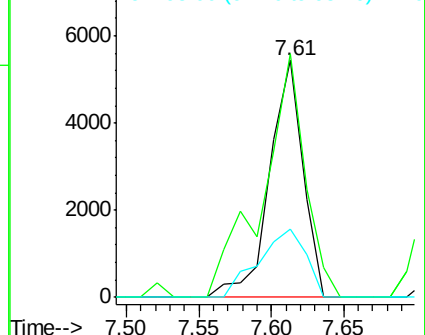
93 100

63 102.8 96.1 136.1

95 28.6 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



#13

1,4-Dichlorobenzene

Concen: 5.76 ng

RT: 8.13 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

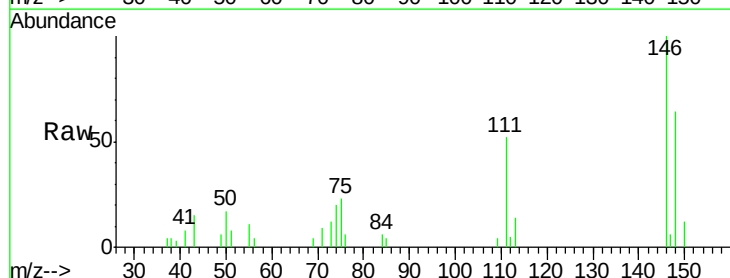
Tgt Ion: 146 Resp: 16031

Ion Ratio Lower Upper

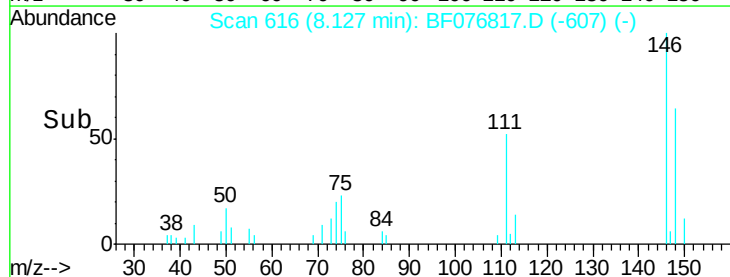
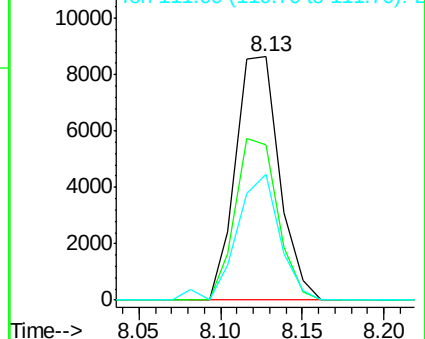
146 100

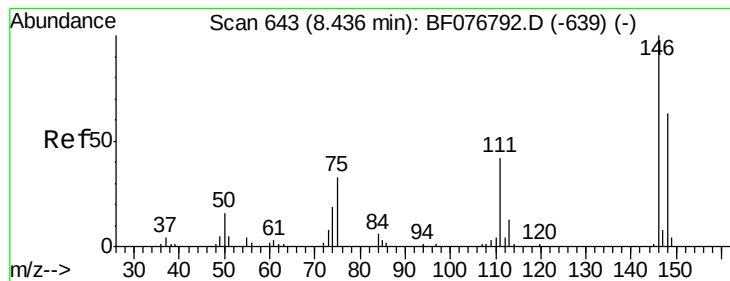
148 63.6 51.8 77.8

111 52.0 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: 5.42 ng

RT: 8.44 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

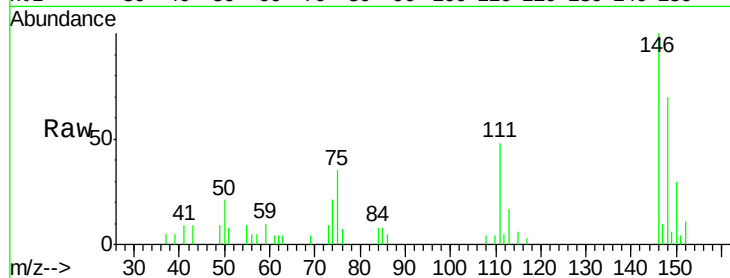
Tgt Ion:146 Resp: 14055

Ion Ratio Lower Upper

146 100

148 70.5 50.2 75.2

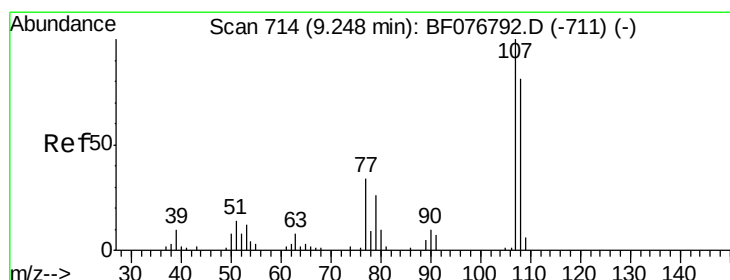
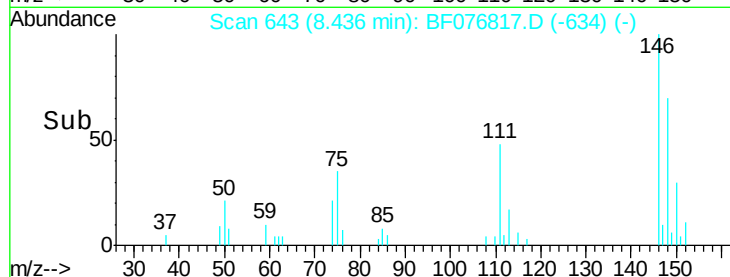
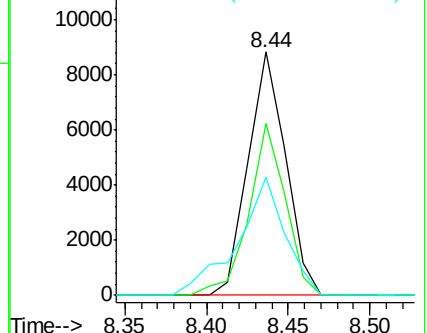
111 48.4 34.3 51.5



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



#20

3+4-Methylphenols

Concen: 3.28 ng

RT: 9.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Tgt Ion:107 Resp: 8289

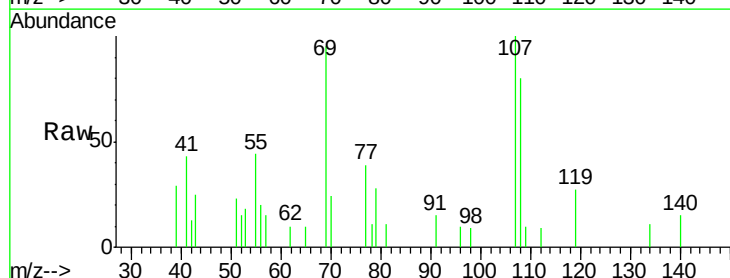
Ion Ratio Lower Upper

107 100

108 80.4 61.4 101.4

77 39.3 14.4 54.4

79 27.9 6.4 46.4

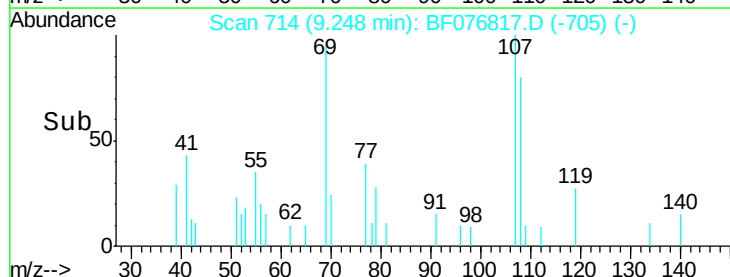
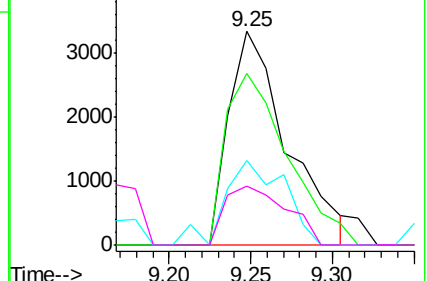


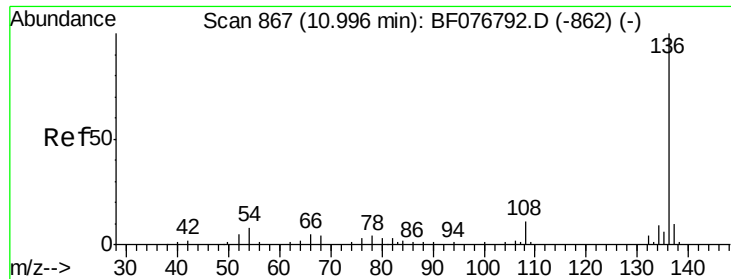
Abundance Ion 107.00 (106.70 to 107.70): E

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

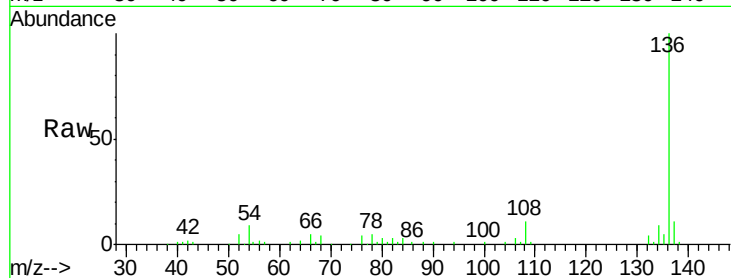




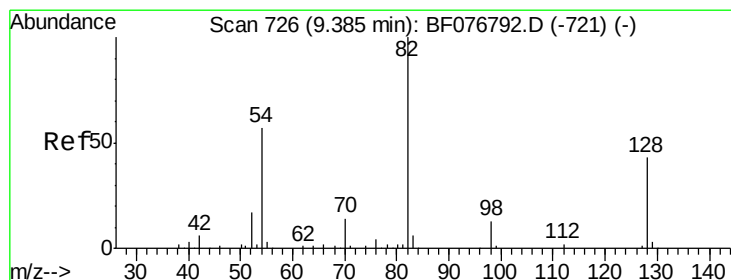
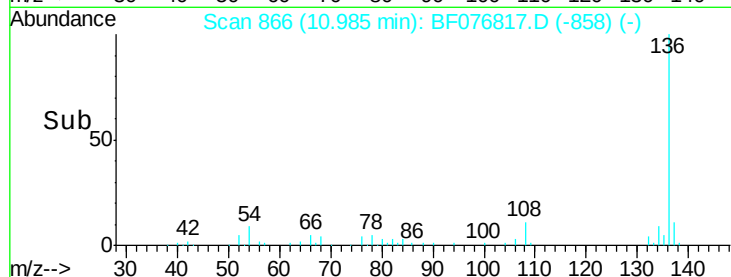
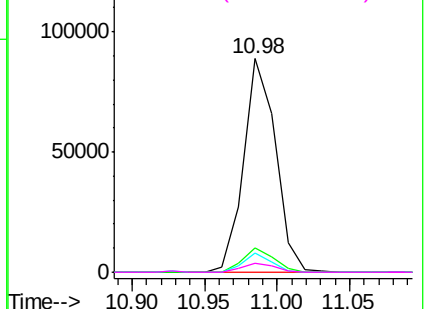
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Instrument :
BNA_F
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Tgt Ion:	136	Resp:	135660
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.1	12.1
54	8.7	6.3	9.5
68	4.4	3.4	5.0

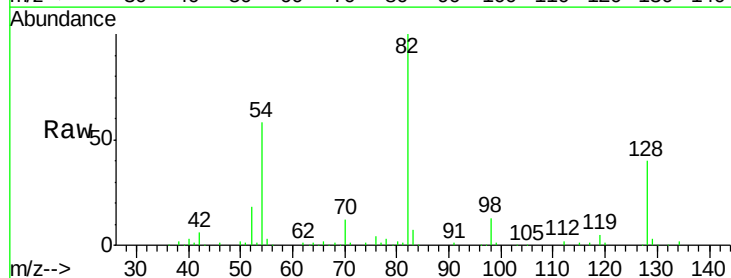


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

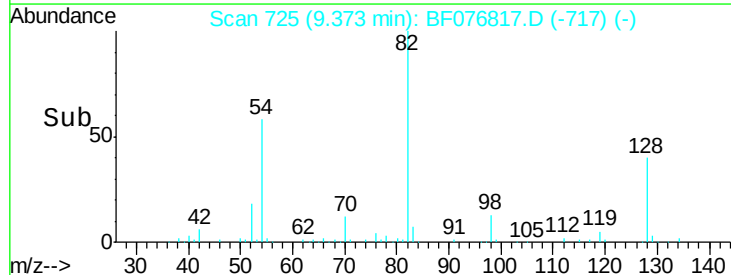
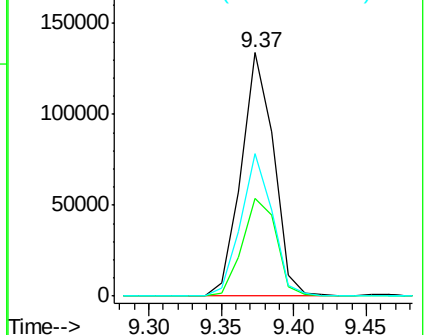


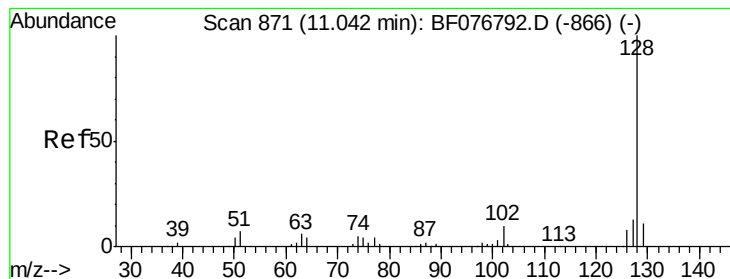
#23
Nitrobenzene-d5
Concen: 85.22 ng
RT: 9.37 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Tgt Ion:	82	Resp:	208040
Ion	Ratio	Lower	Upper
82	100		
128	40.2	34.0	51.0
54	58.5	45.6	68.4



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





#31

Naphthalene

Concen: 4.77 ng

RT: 11.03 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

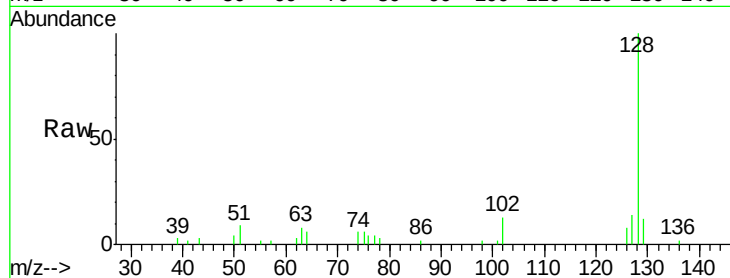
Tgt Ion:128 Resp: 33170

Ion Ratio Lower Upper

128 100

129 12.1 8.6 13.0

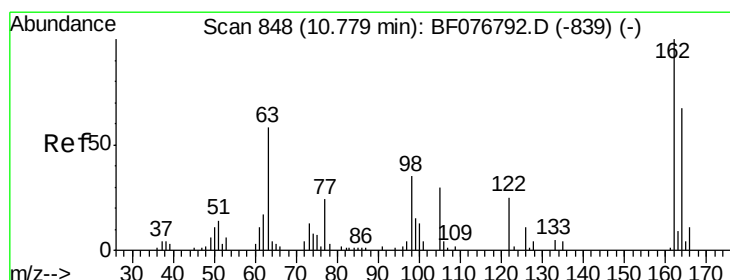
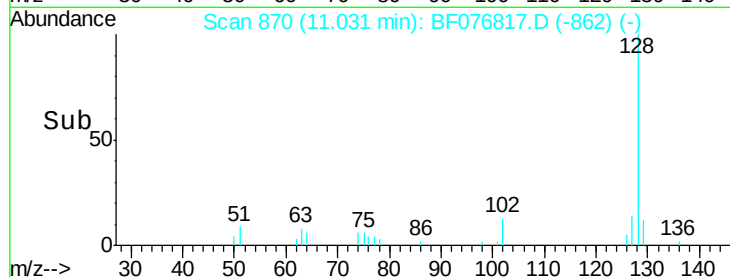
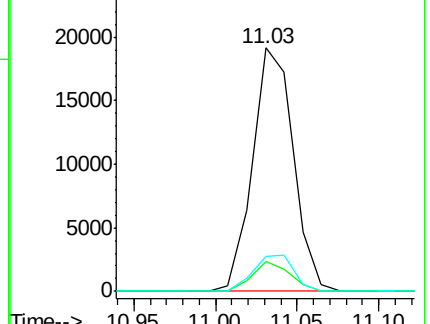
127 14.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.97 ng

RT: 10.78 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

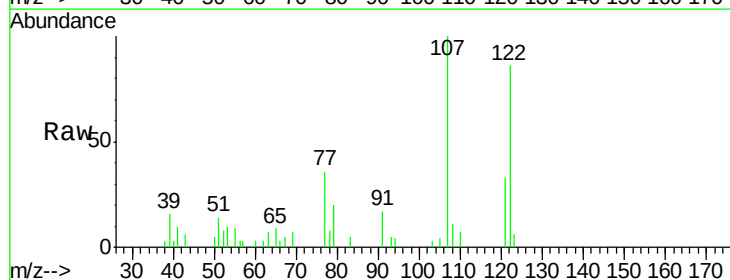
Tgt Ion:122 Resp: 14930

Ion Ratio Lower Upper

122 100

105 5.1 101.8 141.8#

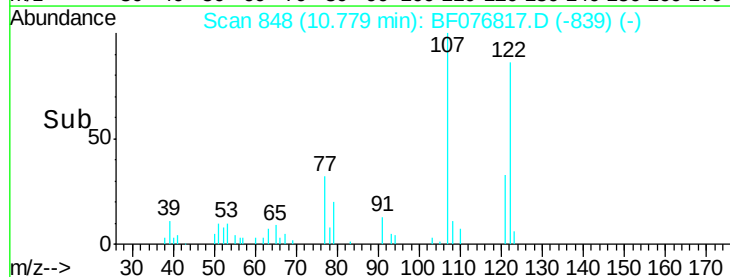
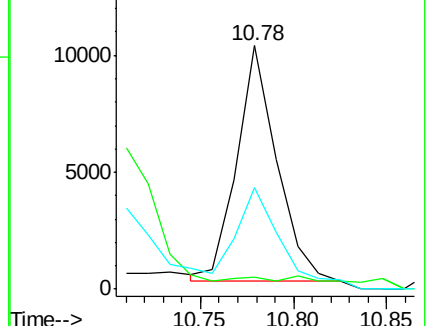
77 41.9 76.0 116.0#

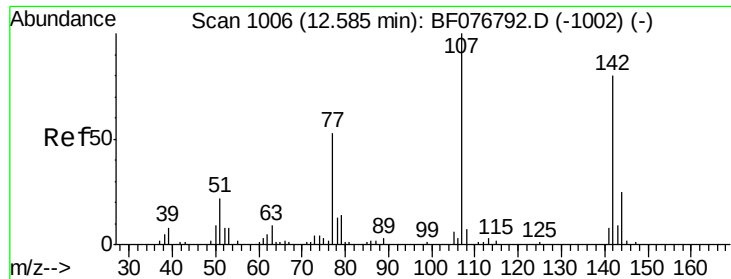


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

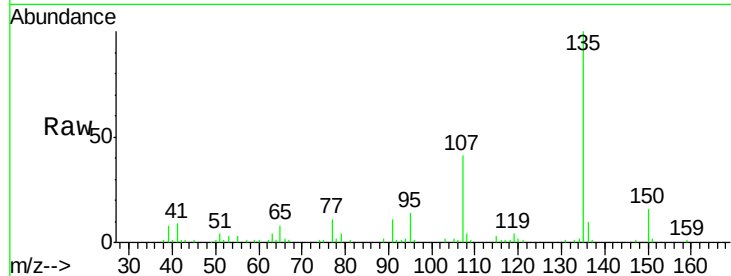




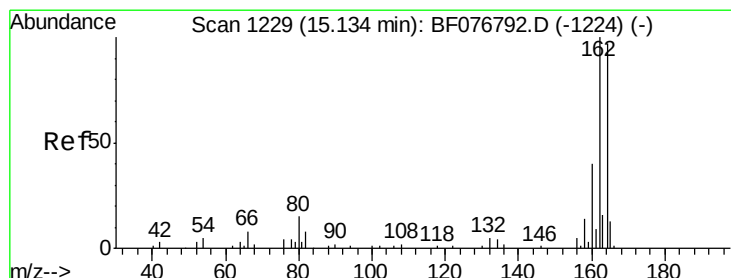
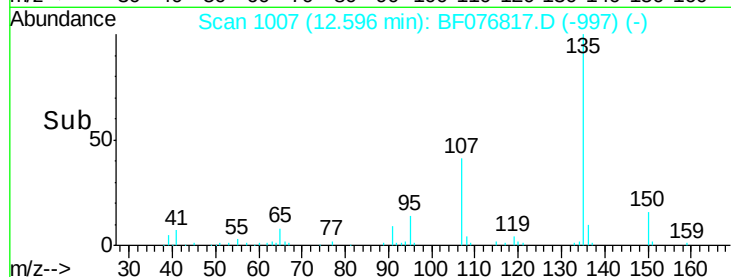
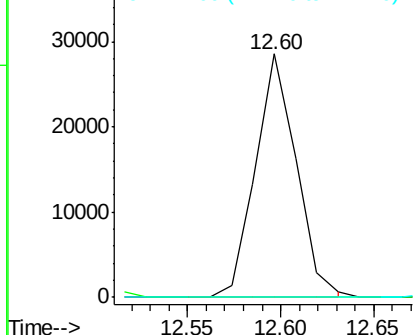
#36
4-Chloro-3-methylphenol
Concen: 21.45 ng
RT: 12.60 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Instrument :
BNA_F
ClientSampleId :
SP-1B

Tgt Ion:107 Resp: 43384
Ion Ratio Lower Upper
107 100
144 0.0 19.8 29.8#
142 0.0 64.0 96.0#

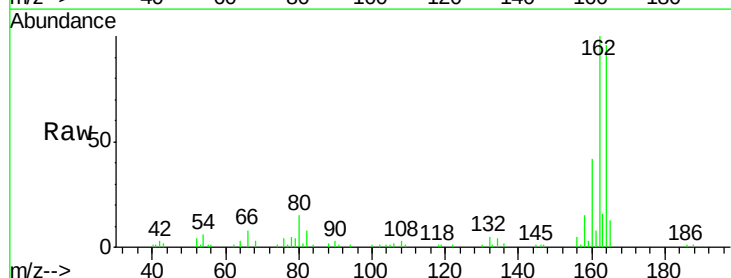


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

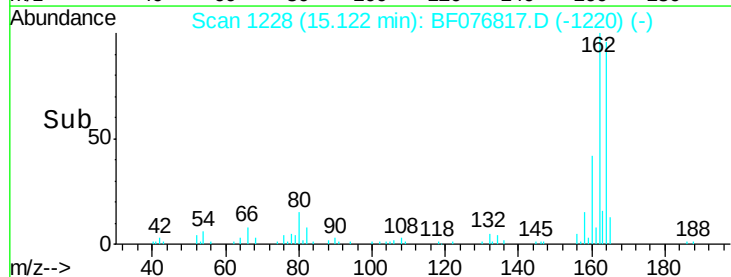
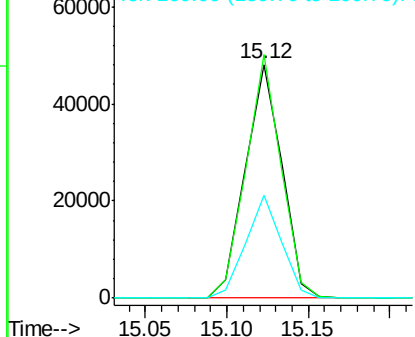


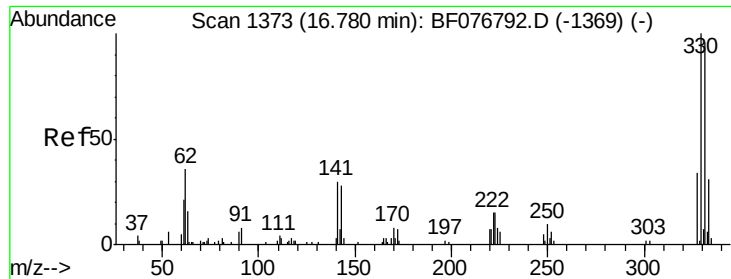
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.12 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Tgt Ion:164 Resp: 74781
Ion Ratio Lower Upper
164 100
162 104.2 82.5 123.7
160 43.8 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: 126.60 ng

RT: 16.77 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

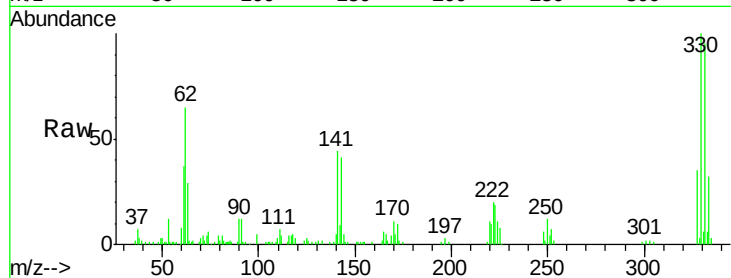
Tgt Ion:330 Resp: 79021

Ion Ratio Lower Upper

330 100

332 98.3 74.8 112.2

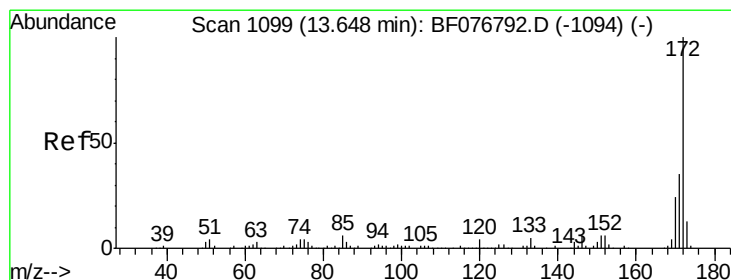
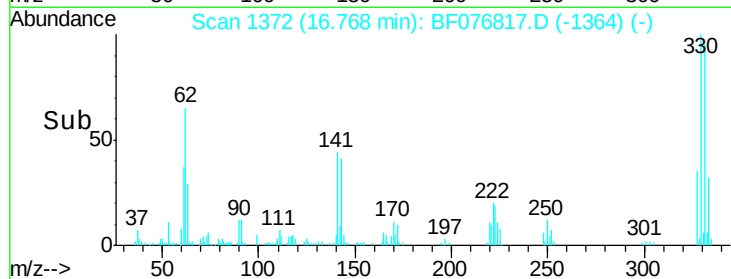
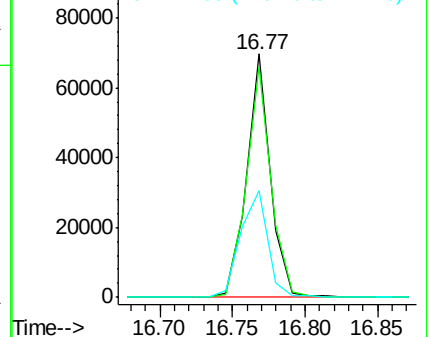
141 50.2 42.4 63.6



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: 84.57 ng

RT: 13.64 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

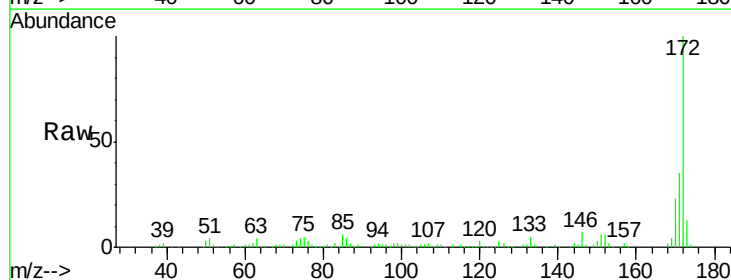
Tgt Ion:172 Resp: 429703

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

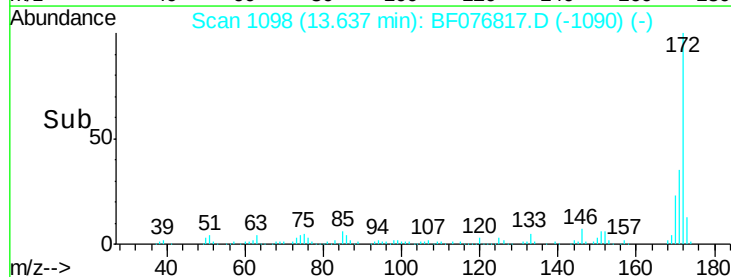
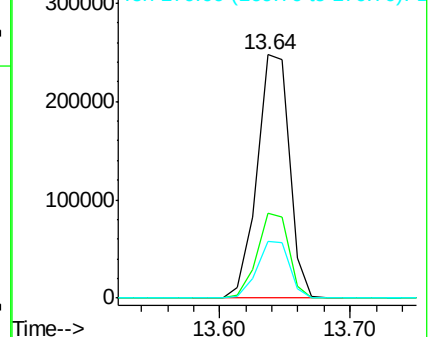
170 23.4 18.8 28.2

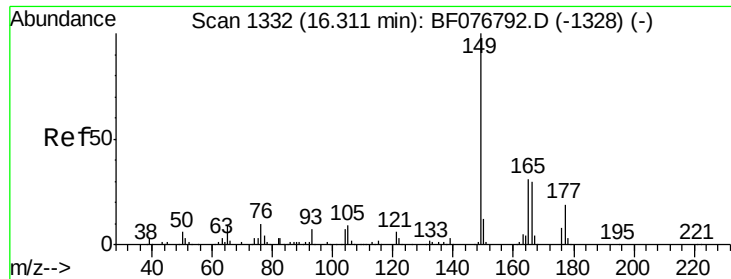


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#59

Diethylphthalate

Concen: 2.37 ng

RT: 16.30 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

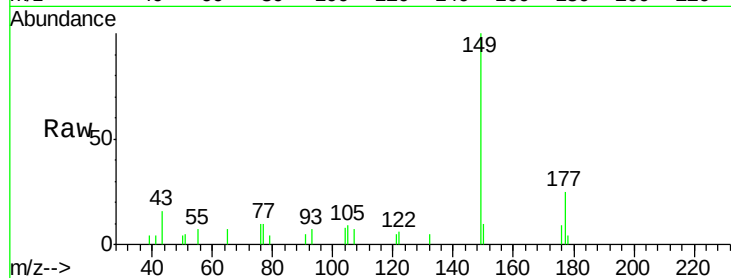
Tgt Ion:149 Resp: 13262

Ion Ratio Lower Upper

149 100

177 24.8 15.4 23.2#

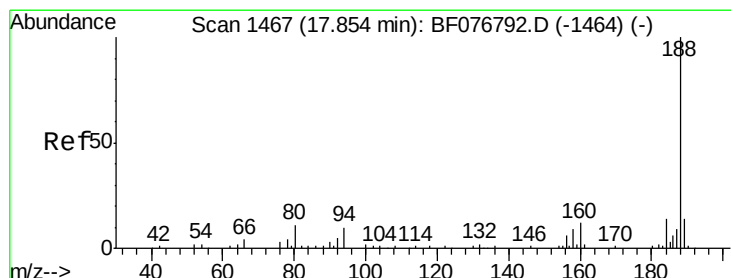
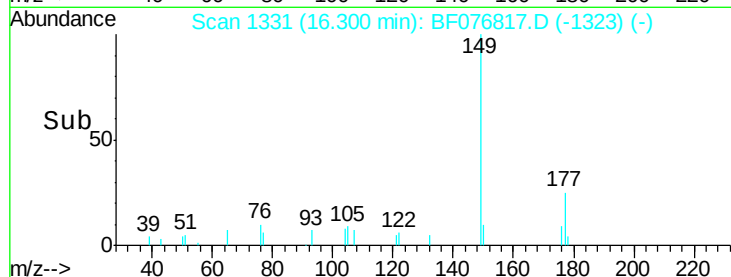
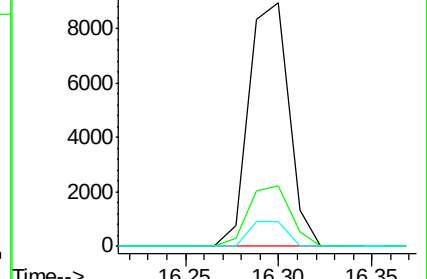
150 10.3 9.4 14.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.85 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

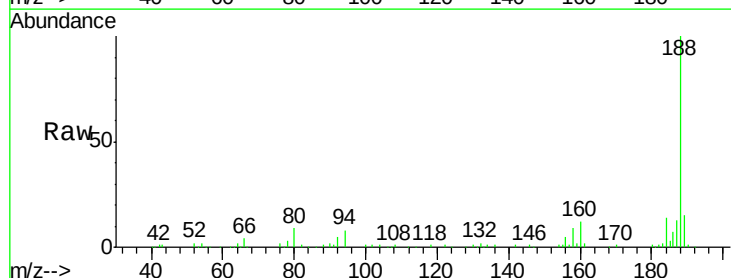
Tgt Ion:188 Resp: 121985

Ion Ratio Lower Upper

188 100

94 8.1 7.8 11.6

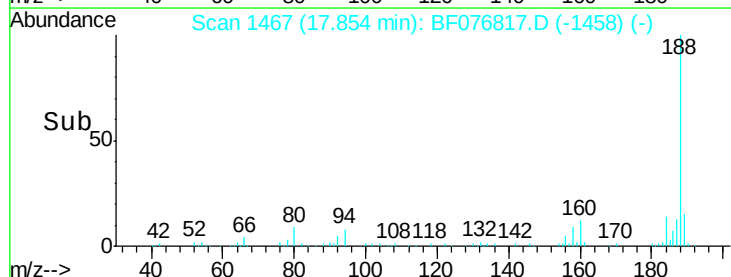
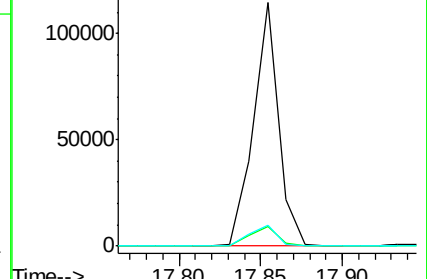
80 8.8 8.6 13.0

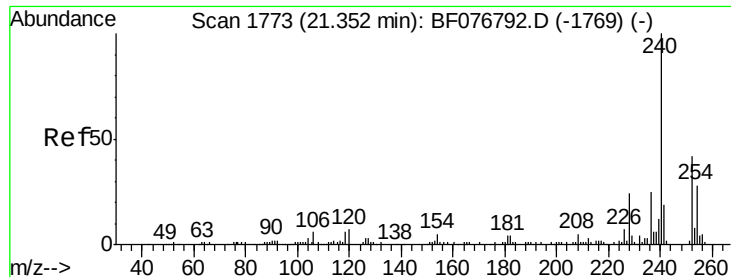


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

Instrument :

BNA_F

ClientSampleId :

SP-1B

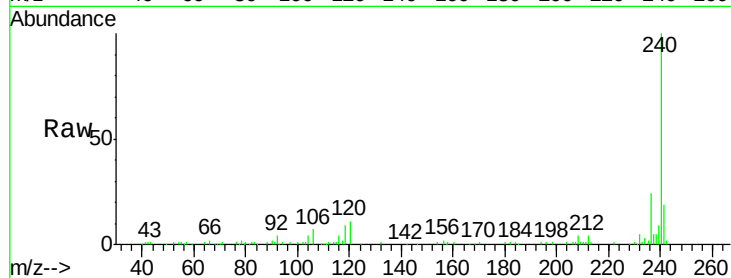
Tgt Ion:240 Resp: 112760

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

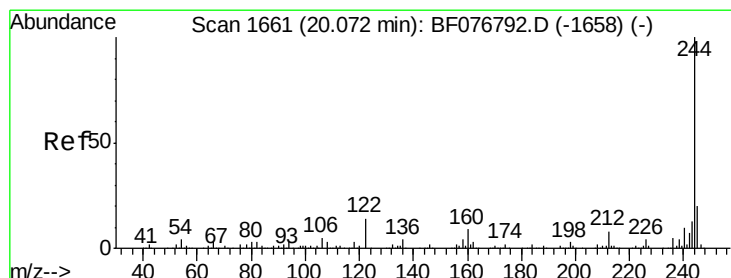
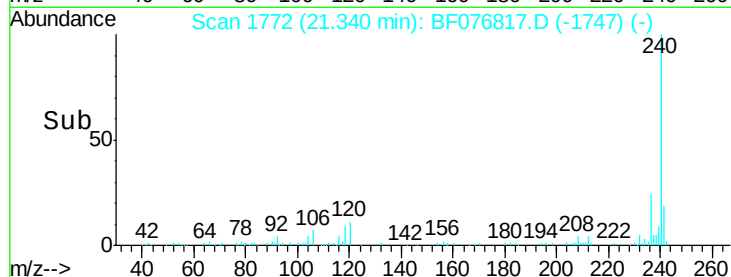
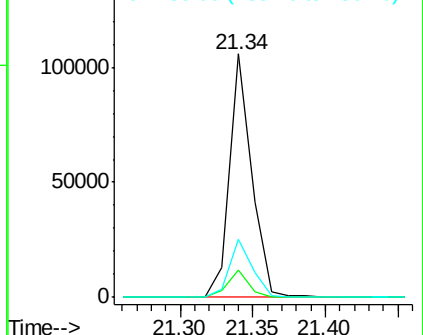
236 24.1 19.7 29.5



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: 74.13 ng

RT: 20.07 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF076817.D

Acq: 12 Jan 2015 20:06

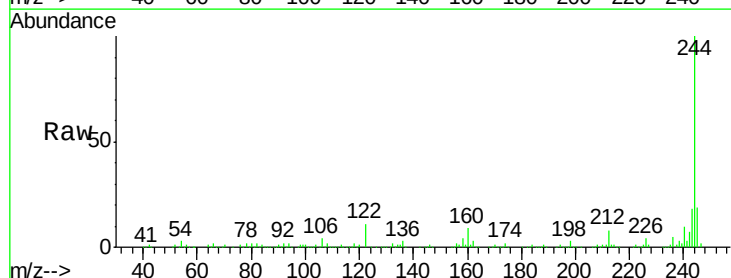
Tgt Ion:244 Resp: 380711

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

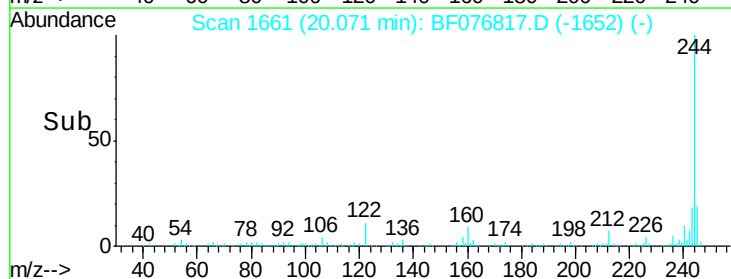
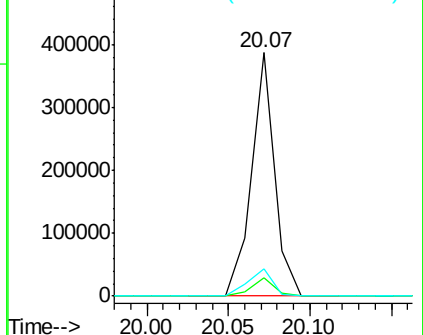
122 11.3 11.3 16.9

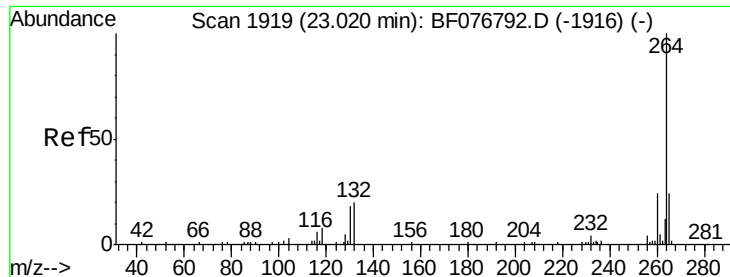


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

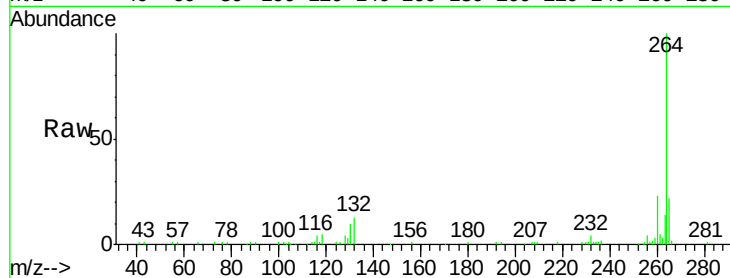




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.04 min Scan# 1921
Delta R.T. 0.02 min
Lab File: BF076817.D
Acq: 12 Jan 2015 20:06

Instrument :
BNA_F
ClientSampleId :
SP-1B

Tgt Ion: 264 Resp: 95487
Ion Ratio Lower Upper
264 100
260 23.4 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

