

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012115\
 Data File : BF076999.D
 Acq On : 21 Jan 2015 16:58
 Operator : TP/IZ
 Sample : G1100-12
 Misc : W/ACID
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8035

Quant Time: Jan 22 01:05:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 21 14:45:53 2015
 Response via : Initial Calibration

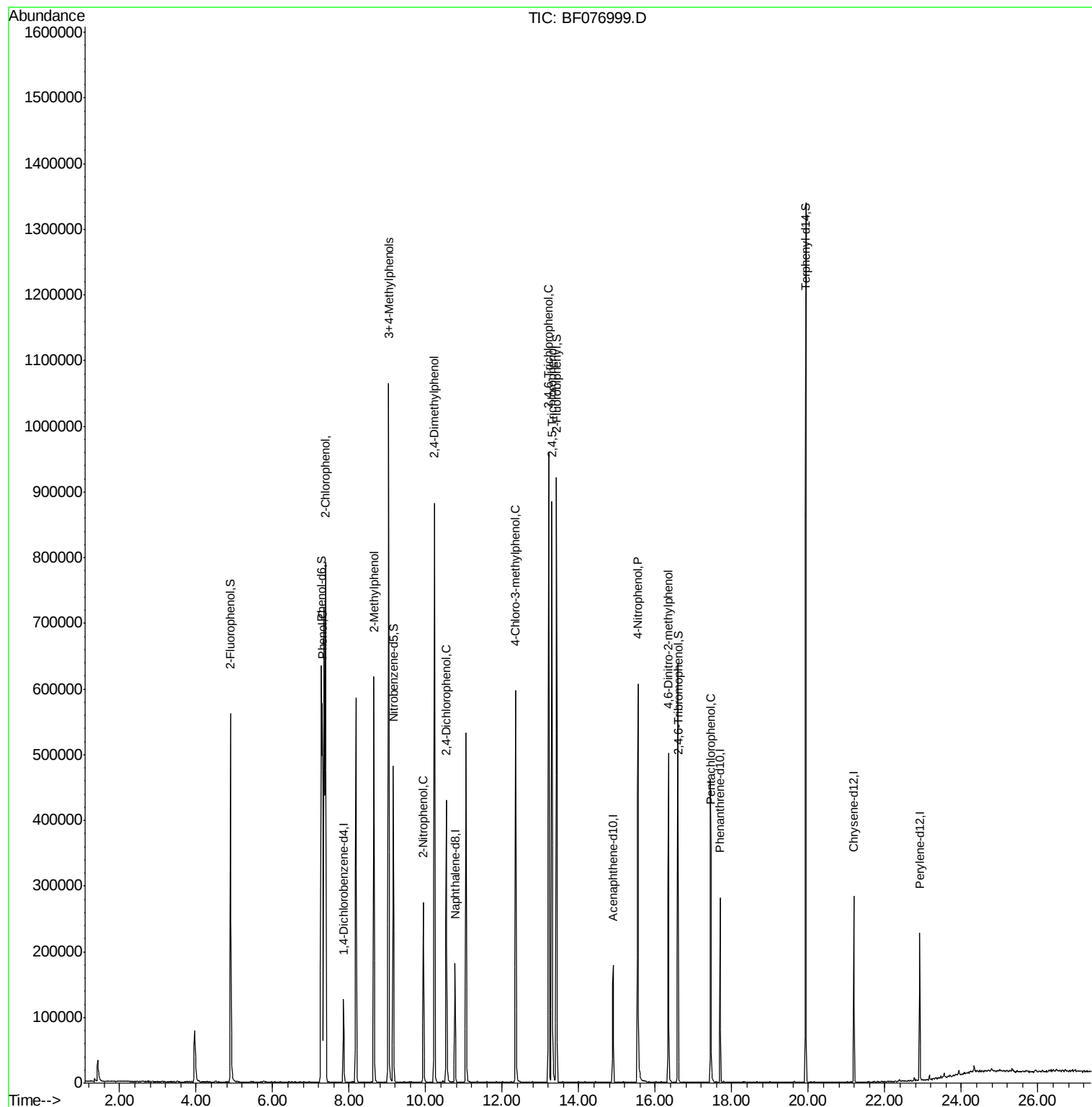
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	33967	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	145041	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	73578	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	125434	20.00	ng	0.00
75) Chrysene-d12	21.19	240	119693	20.00	ng	-0.01
86) Perylene-d12	22.91	264	108860	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	310564	150.33	ng	0.00
7) Phenol-d6	7.27	99	394755	151.47	ng	0.00
23) Nitrobenzene-d5	9.16	82	245498	93.77	ng	-0.01
41) 2,4,6-Tribromophenol	16.60	330	97858	163.85	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	487975	100.93	ng	0.00
78) Terphenyl-d14	19.93	244	546298	105.07	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.38	128	330037	138.57	ng	97
10) Phenol	7.29	94	293261	105.97	ng	89
17) 2-Methylphenol	8.64	107	165120	84.84	ng	# 92
20) 3+4-Methylphenols	9.03	107	447011	173.45	ng	96
26) 2-Nitrophenol	9.93	139	83215	60.45	ng	# 87
27) 2,4-Dimethylphenol	10.23	122	280664	136.09	ng	97
29) 2,4-Dichlorophenol	10.54	162	141614	73.67	ng	95
36) 4-Chloro-3-methylphenol	12.35	107	219382	99.68	ng	96
42) 2,4,6-Trichlorophenol	13.21	196	223940	168.96	ng	96
43) 2,4,5-Trichlorophenol	13.29	196	221284	163.69	ng	97
55) 4-Nitrophenol	15.55	139	159673	195.22	ng	88
64) 4,6-Dinitro-2-methylphenol	16.35	198	84151	100.51	ng	88
69) Pentachlorophenol	17.45	266	71012	112.52	ng	99

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

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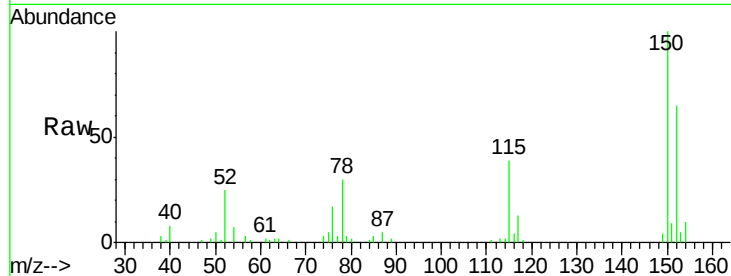


#1

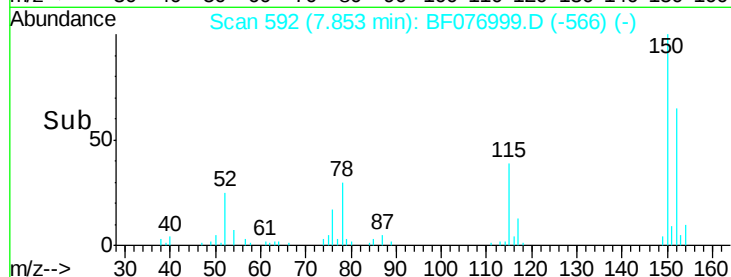
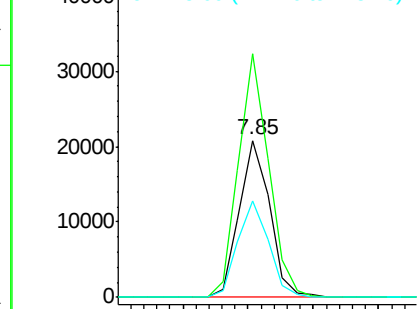
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Instrument :
BNA_F
ClientSampleId :
8035

Tot Ion:152 Resp: 33967
Ion Ratio Lower Upper
152 100
150 154.9 121.7 182.5
115 61.0 47.0 70.6



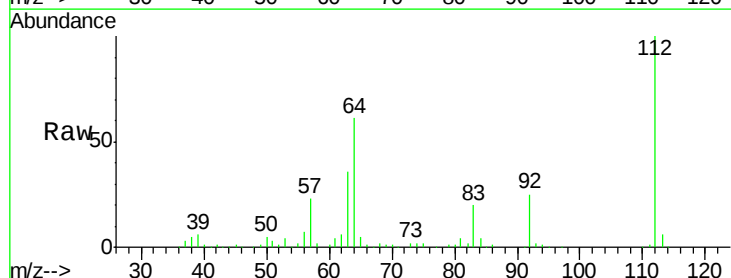
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



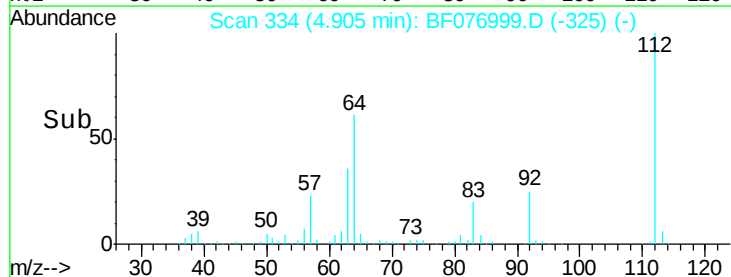
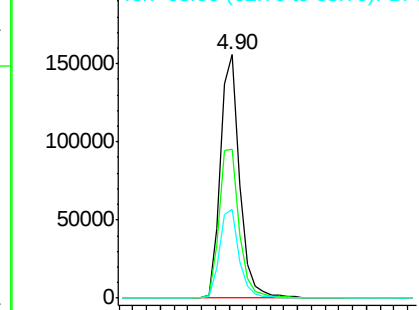
#5

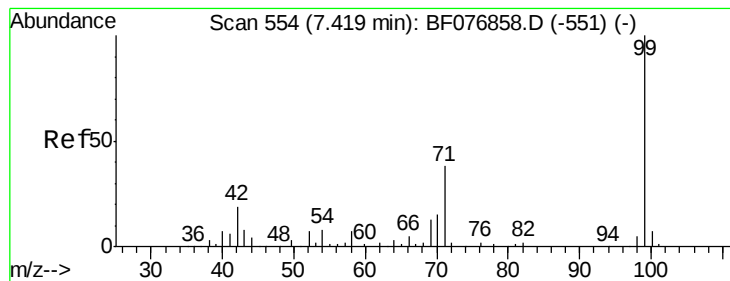
2-Fluorophenol
Concen: 150.33 ng
RT: 4.90 min Scan# 334
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Tgt Ion:112 Resp: 310564
Ion Ratio Lower Upper
112 100
64 61.3 54.2 81.4
63 36.2 28.4 42.6



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





#7

Phenol-d6

Concen: 151.47 ng

RT: 7.27 min Scan# 541

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampleId :

8035

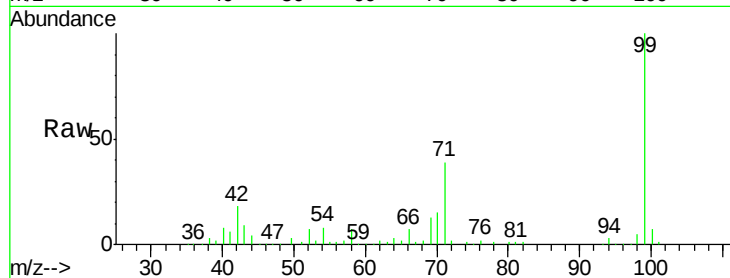
Tot Ion: 99 Resp: 394755

Ion Ratio Lower Upper

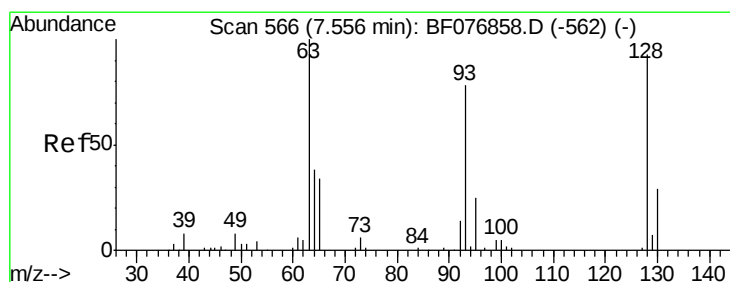
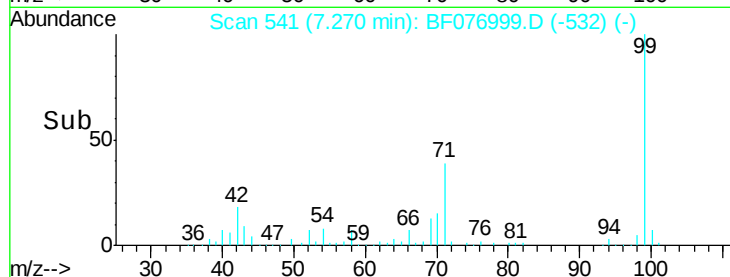
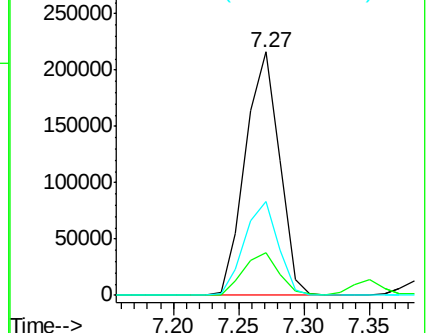
99 100

42 17.7 15.0 22.4

71 38.7 30.5 45.7



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



#8

2-Chlorophenol

Concen: 138.57 ng

RT: 7.38 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

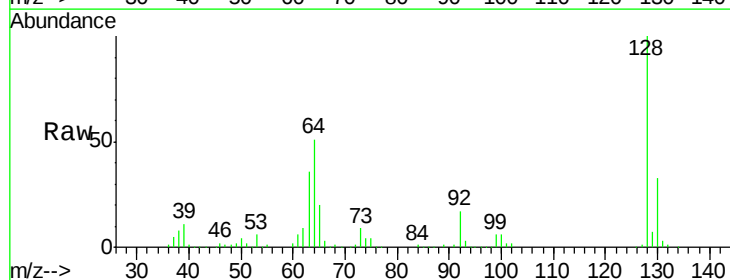
Tgt Ion: 128 Resp: 330037

Ion Ratio Lower Upper

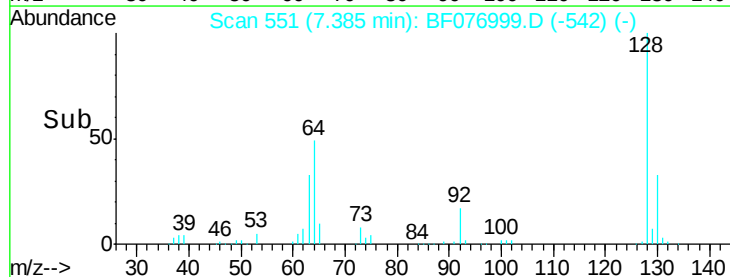
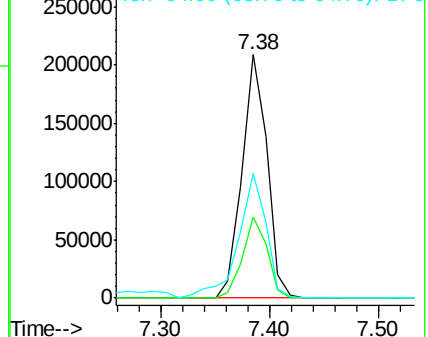
128 100

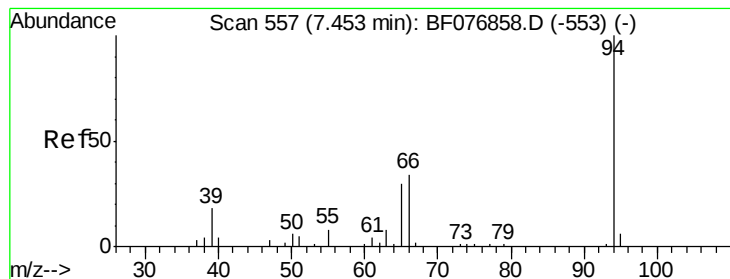
130 33.3 11.0 51.0

64 51.2 29.3 69.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 105.97 ng

RT: 7.29 min Scan# 543

Delta R.T. -0.01 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampleId :

8035

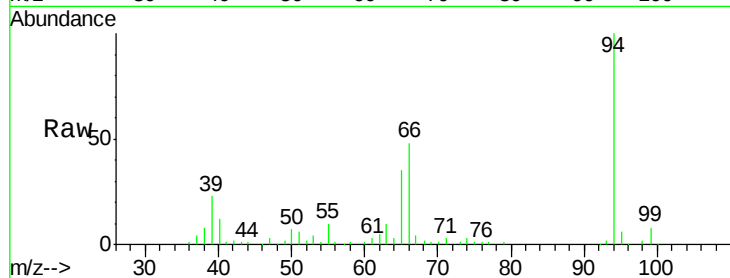
Tot Ion: 94 Resp: 293261

Ion Ratio Lower Upper

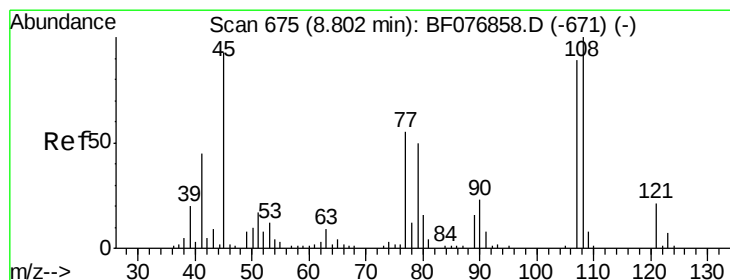
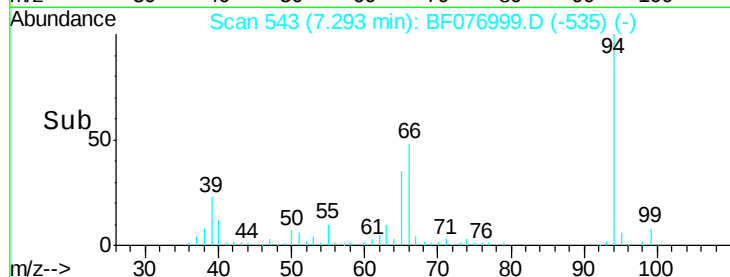
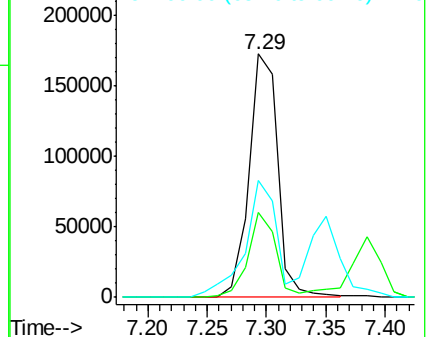
94 100

65 34.7 11.3 51.3

66 48.1 19.5 59.5



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



#17

2-Methylphenol

Concen: 84.84 ng

RT: 8.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Tgt Ion: 107 Resp: 165120

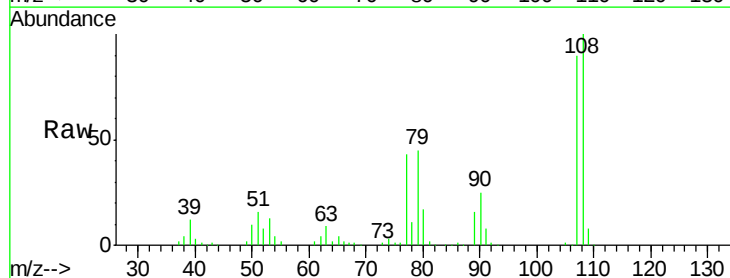
Ion Ratio Lower Upper

107 100

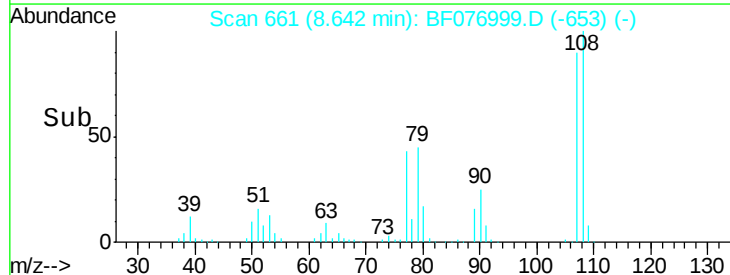
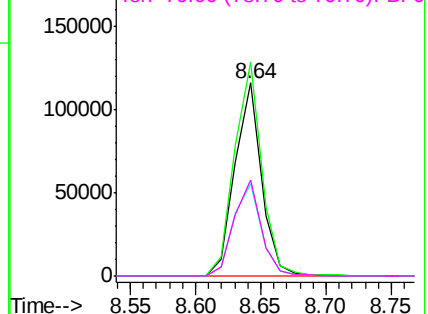
108 110.7 89.7 134.5

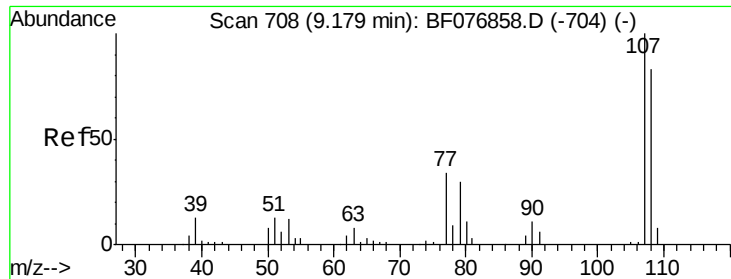
77 47.7 50.1 75.1#

79 49.7 45.0 67.6



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

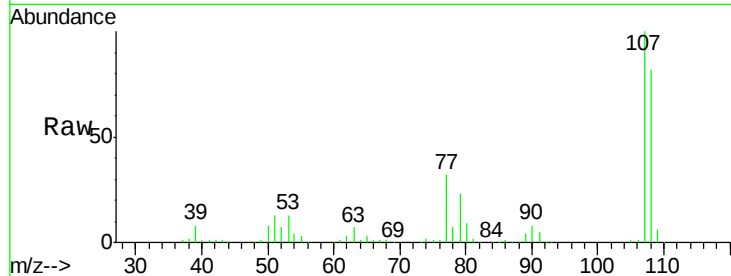




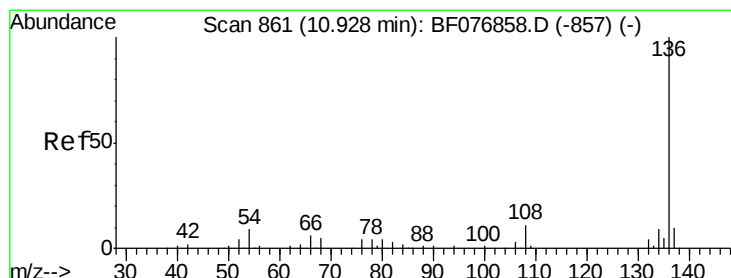
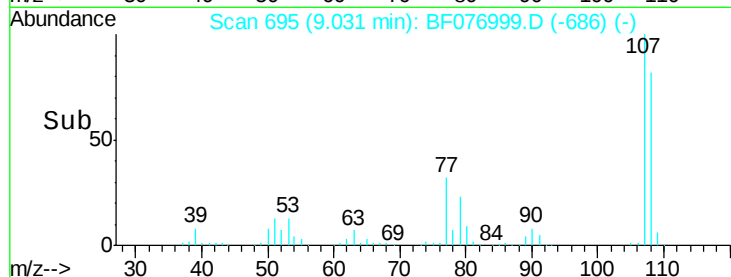
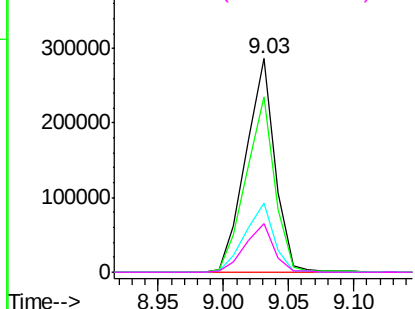
#20
3+4-Methylphenols
Concen: 173.45 ng
RT: 9.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Instrument :
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ClientSampleId :
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Tot Ion:107	Resp:	447011
Ion Ratio	Lower	Upper
107	100	
108	82.4	63.5 103.5
77	32.4	14.0 54.0
79	22.8	9.9 49.9

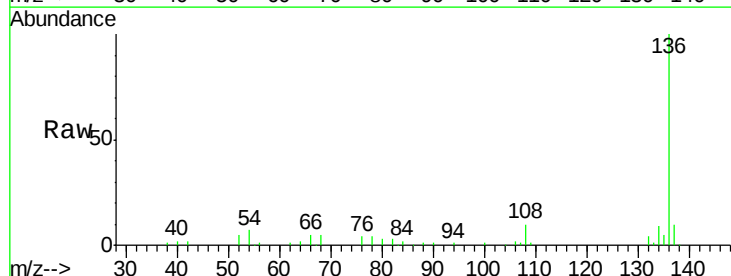


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

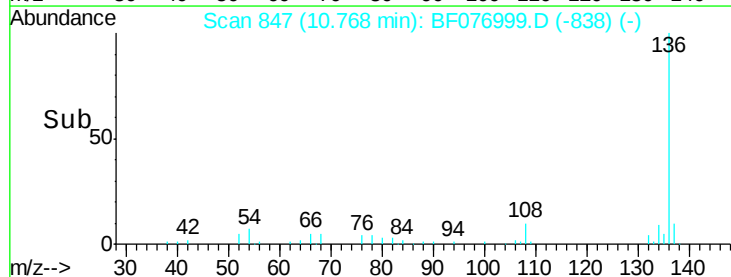
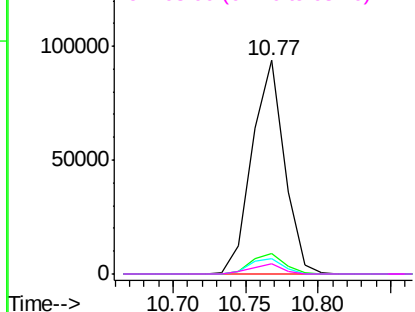


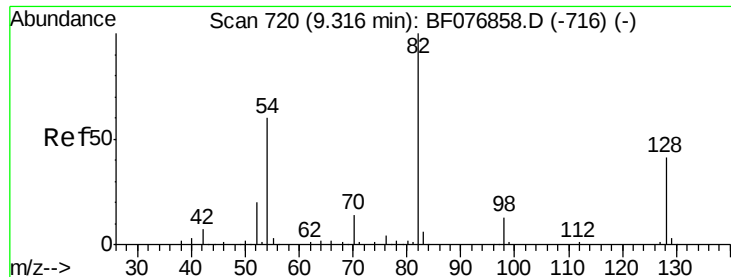
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.77 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Tgt Ion:136	Resp:	145041
Ion Ratio	Lower	Upper
136	100	
137	9.8	8.1 12.1
54	7.4	7.0 10.4
68	4.6	3.7 5.5



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

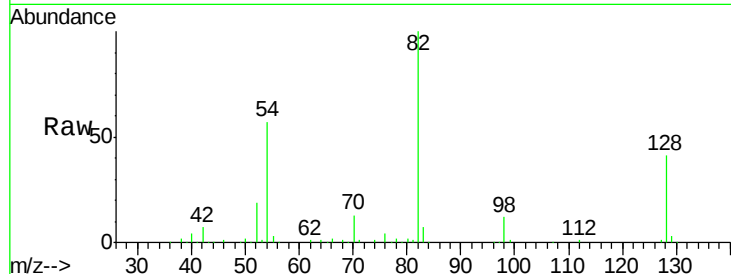




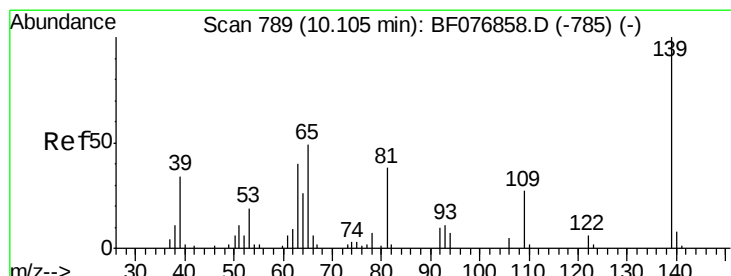
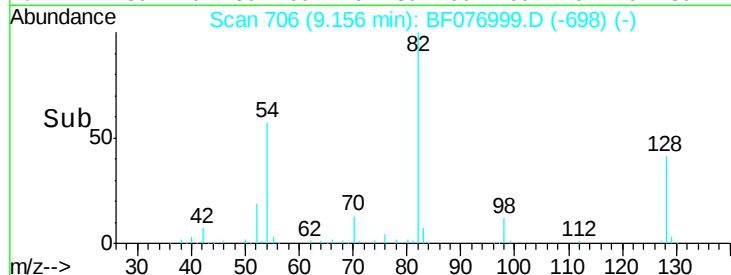
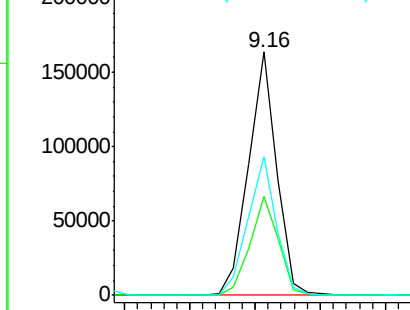
#23
Nitrobenzene-d5
Concen: 93.77 ng
RT: 9.16 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Instrument :
BNA_F
ClientSampleId :
8035

Tot Ion: 82 Resp: 245498
Ion Ratio Lower Upper
82 100
128 40.9 33.1 49.7
54 57.1 48.3 72.5

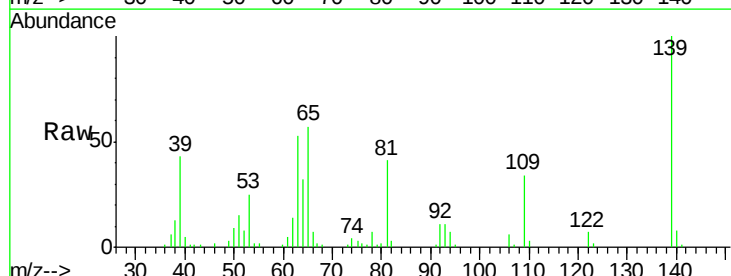


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

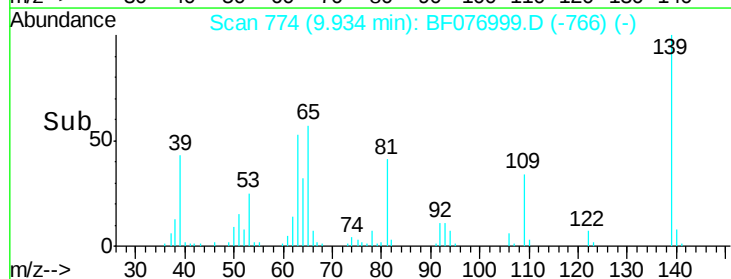
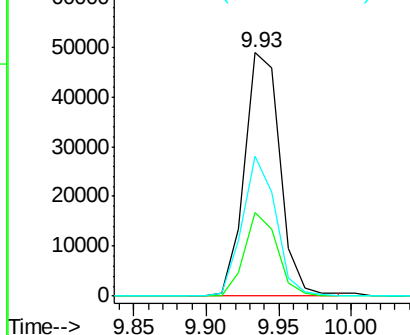


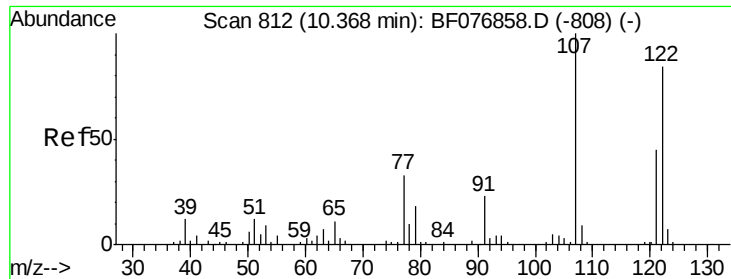
#26
2-Nitrophenol
Concen: 60.45 ng
RT: 9.93 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Tgt Ion: 139 Resp: 83215
Ion Ratio Lower Upper
139 100
109 34.4 21.3 31.9#
65 57.3 39.4 59.0



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 136.09 ng

RT: 10.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampleId :

8035

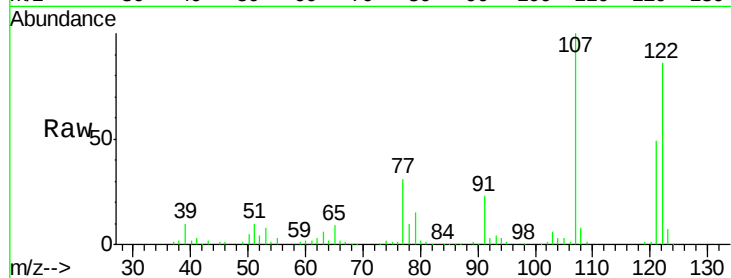
Tot Ion:122 Resp: 280664

Ion Ratio Lower Upper

122 100

107 116.8 95.2 142.8

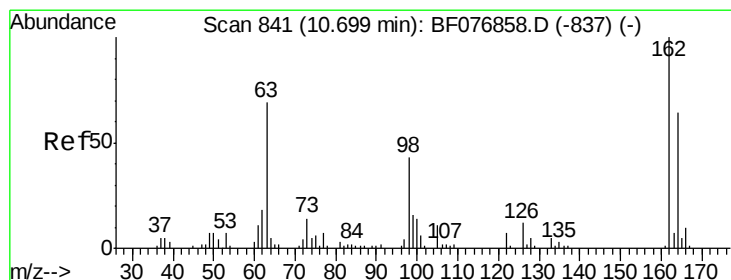
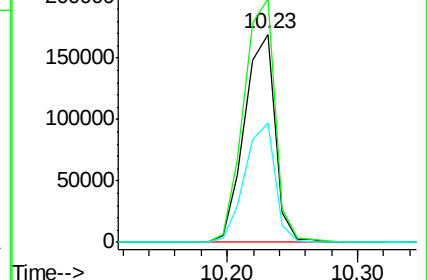
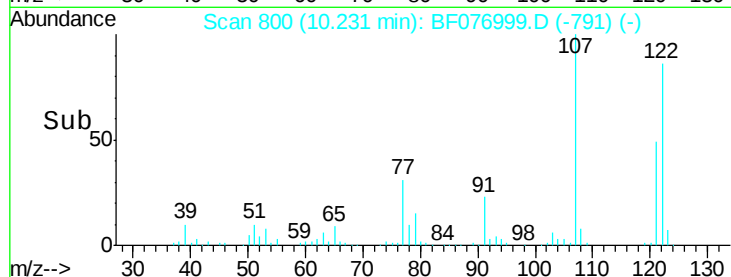
121 57.1 42.9 64.3



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



#29

2,4-Dichlorophenol

Concen: 73.67 ng

RT: 10.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

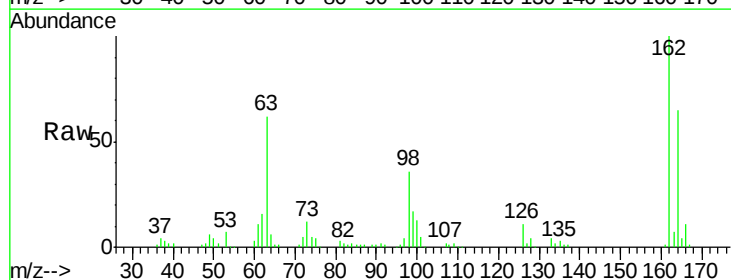
Tgt Ion:162 Resp: 141614

Ion Ratio Lower Upper

162 100

164 65.4 43.8 83.8

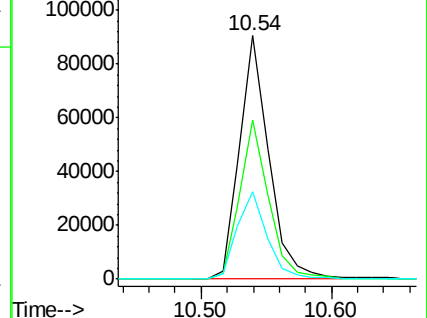
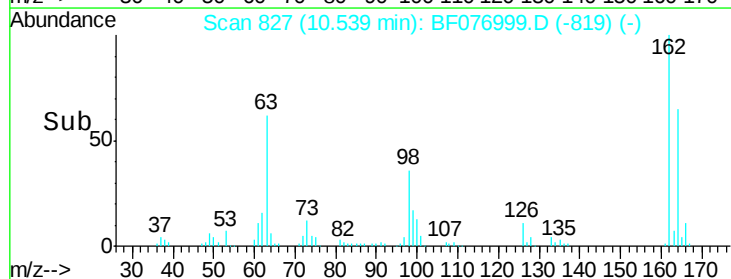
98 36.1 22.5 62.5

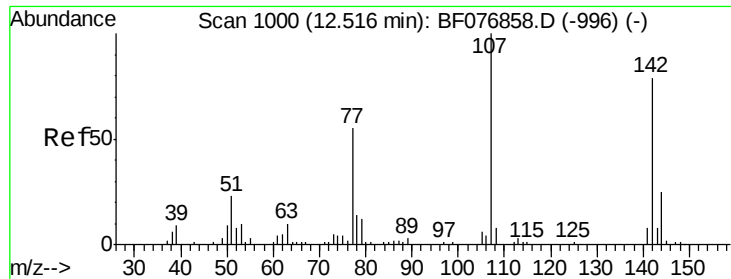


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0

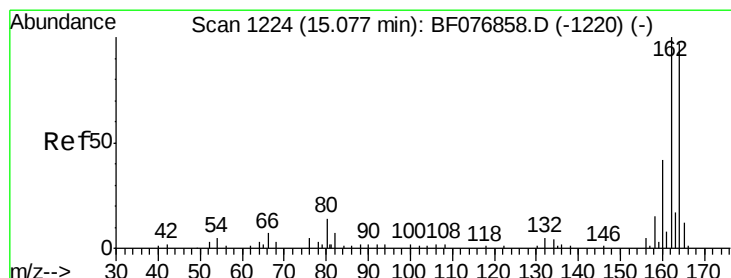
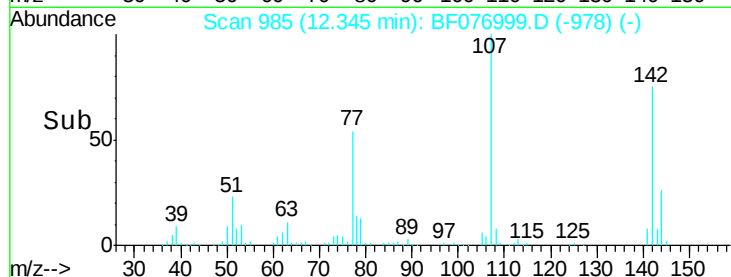
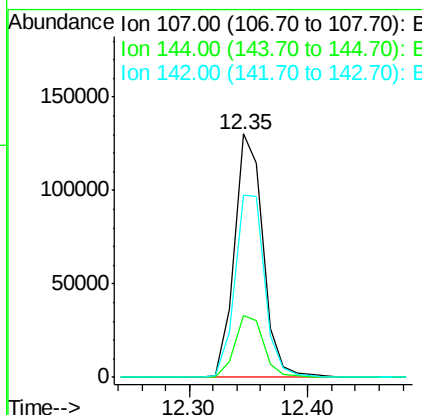
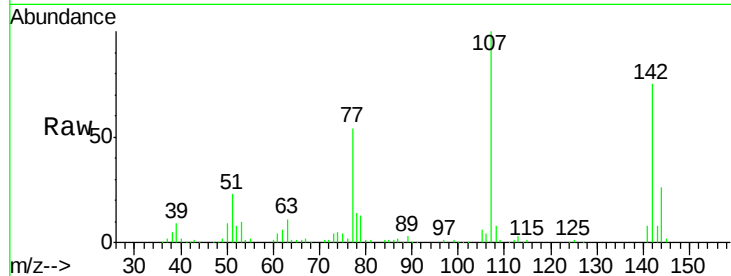




#36
 4-Chloro-3-methylphenol
 Concen: 99.68 ng
 RT: 12.35 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF076999.D
 Acq: 21 Jan 2015 16:58

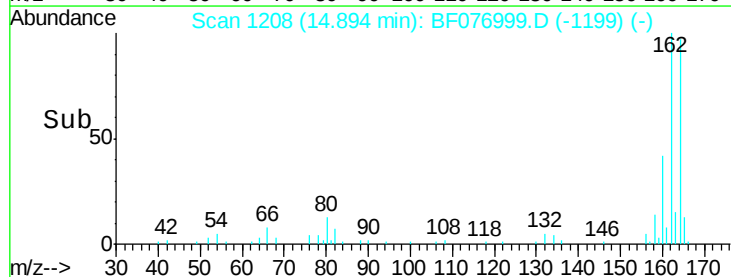
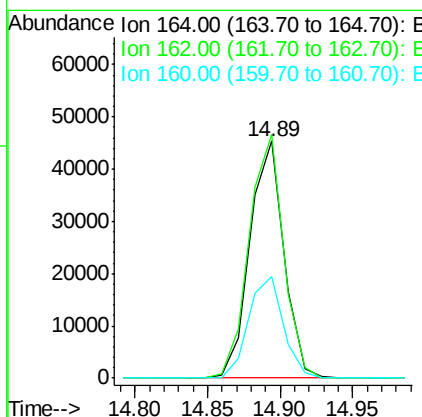
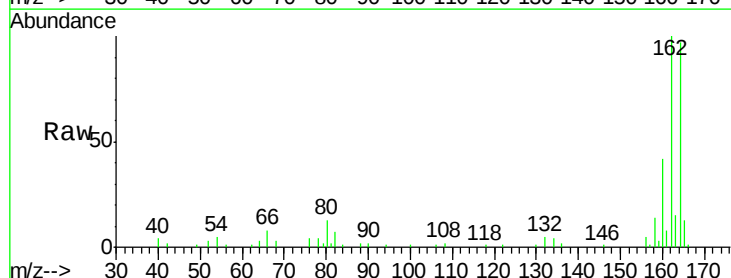
Instrument :
 BNA_F
 ClientSampleId :
 8035

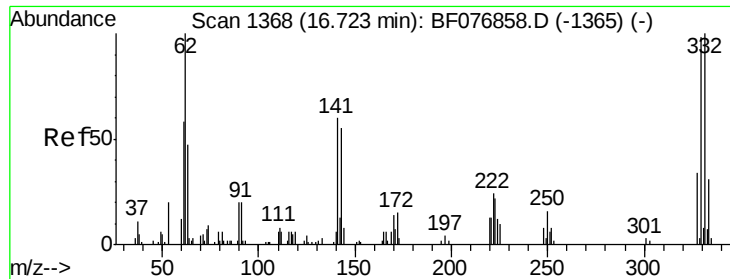
Tot Ion:107 Resp: 219382
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.0 30.0
 142 74.9 63.5 95.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.89 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF076999.D
 Acq: 21 Jan 2015 16:58

Tgt Ion:164 Resp: 73578
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.4 123.6
 160 42.7 34.8 52.2





#41

2,4,6-Tribromophenol

Concen: 163.85 ng

RT: 16.60 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampled :

8035

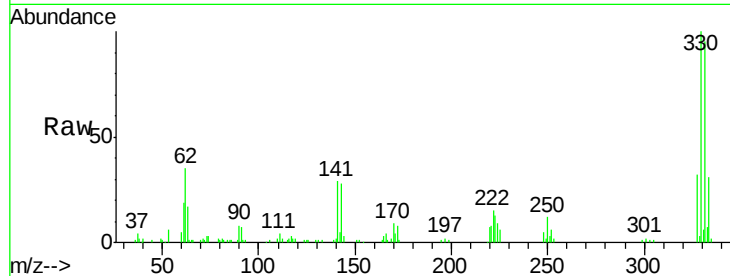
Tot Ion:330 Resp: 97858

Ion Ratio Lower Upper

330 100

332 94.6 77.8 116.6

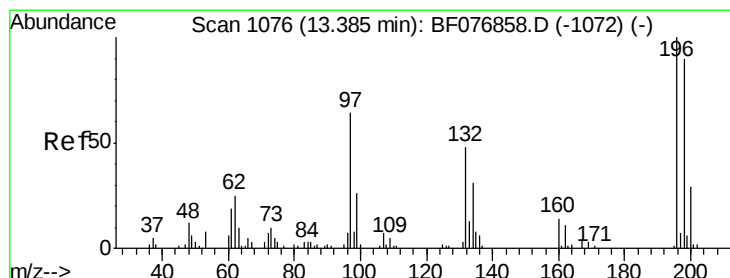
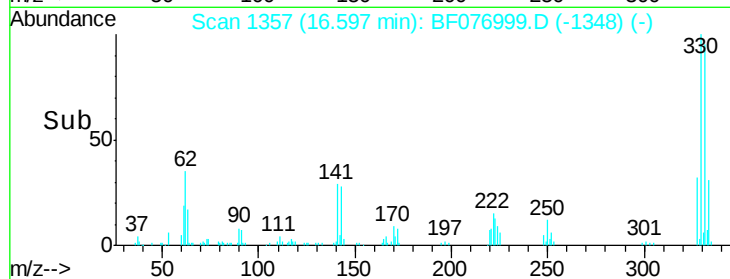
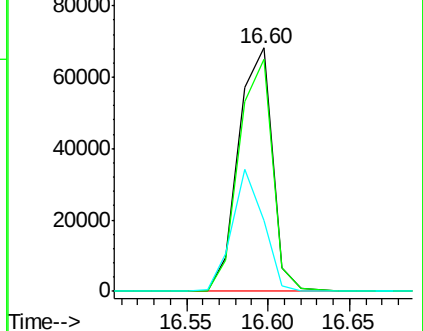
141 46.6 38.5 57.7



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



#42

2,4,6-Trichlorophenol

Concen: 168.96 ng

RT: 13.21 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

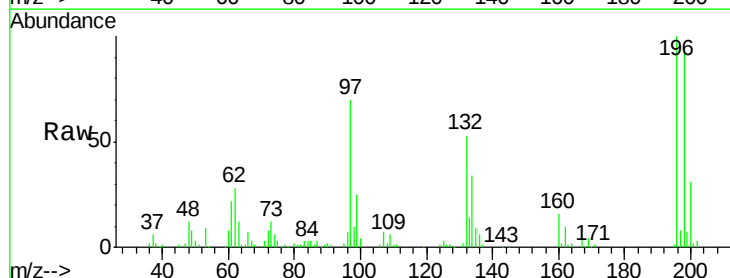
Tgt Ion:196 Resp: 223940

Ion Ratio Lower Upper

196 100

198 94.3 72.0 108.0

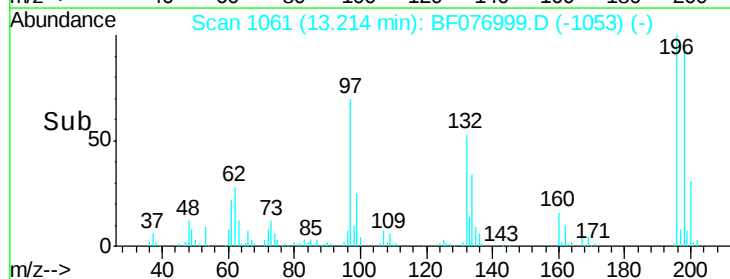
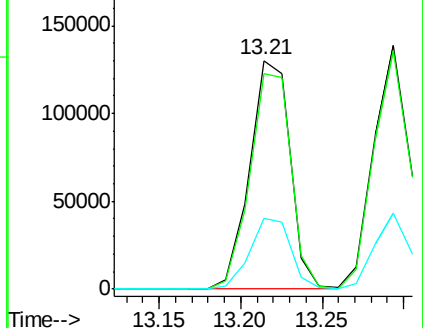
200 30.7 23.4 35.2

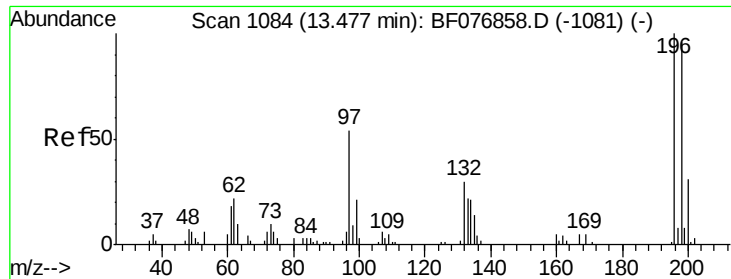


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

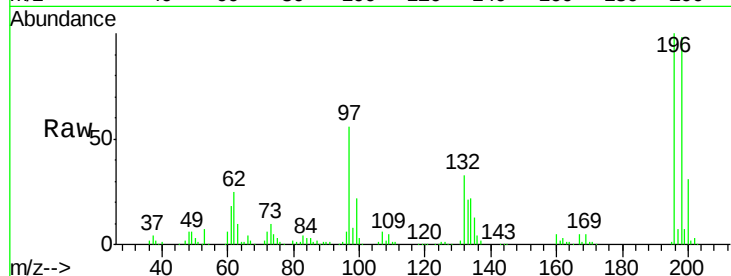




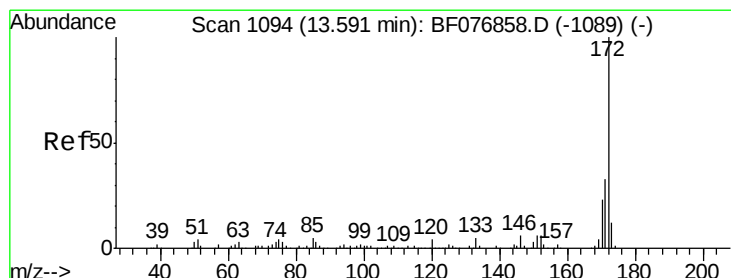
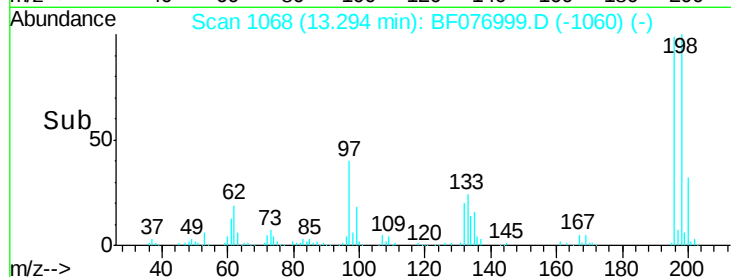
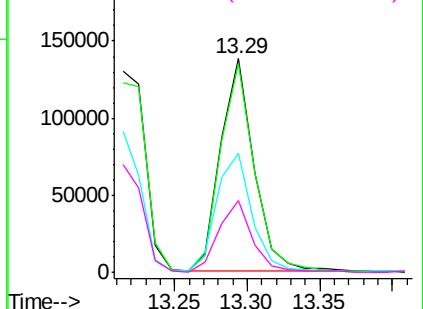
#43
 2,4,5-Trichlorophenol
 Concen: 163.69 ng
 RT: 13.29 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF076999.D
 Acq: 21 Jan 2015 16:58

Instrument :
 BNA_F
 ClientSampleId :
 8035

Tot Ion:196 Resp: 221284
 Ion Ratio Lower Upper
 196 100
 198 97.8 76.6 115.0
 97 55.8 43.4 65.0
 132 33.3 23.7 35.5

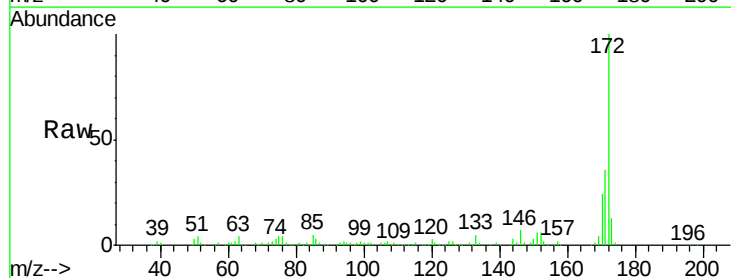


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

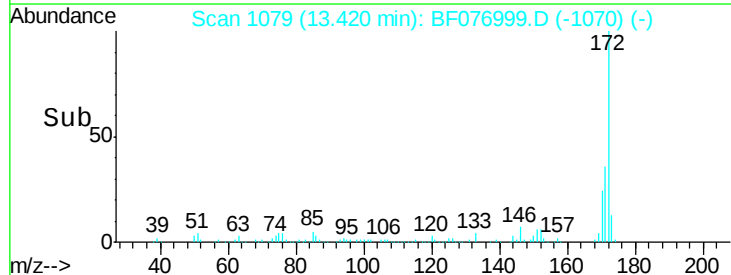
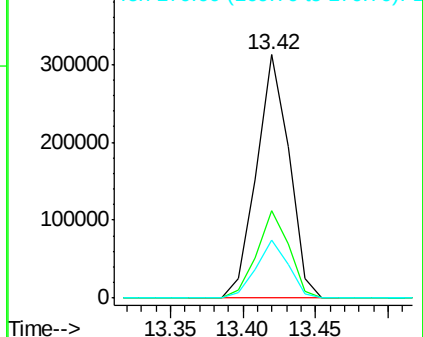


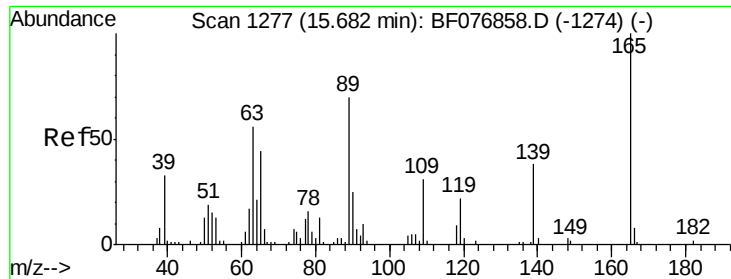
#44
 2-Fluorobiphenyl
 Concen: 100.93 ng
 RT: 13.42 min Scan# 1079
 Delta R.T. 0.00 min
 Lab File: BF076999.D
 Acq: 21 Jan 2015 16:58

Tgt Ion:172 Resp: 487975
 Ion Ratio Lower Upper
 172 100
 171 35.8 26.6 40.0
 170 23.8 18.0 27.0



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

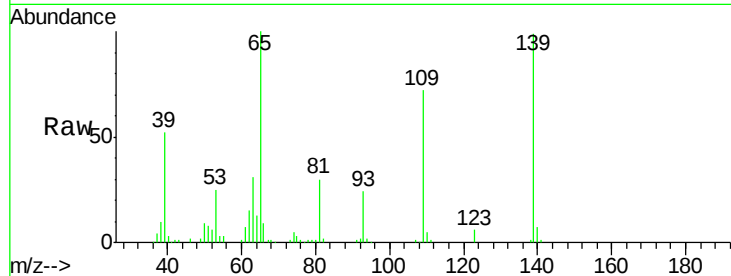




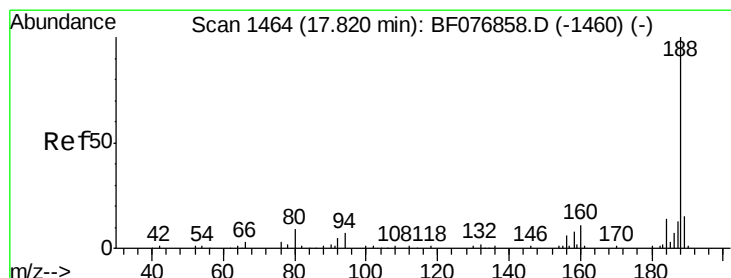
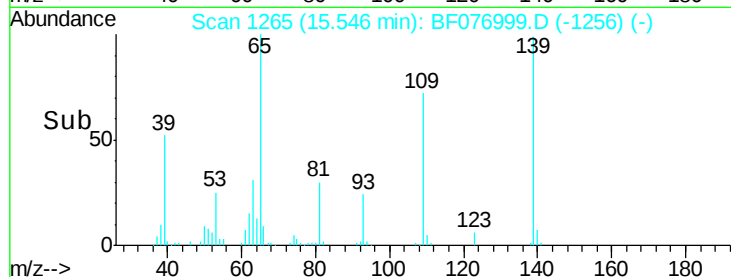
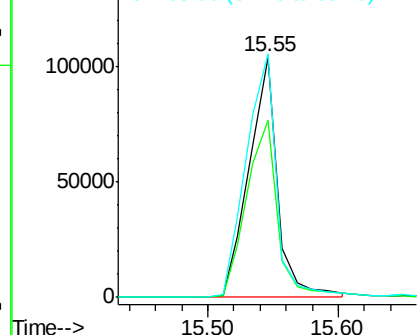
#55
4-Nitrophenol
Concen: 195.22 ng
RT: 15.55 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Instrument :
BNA_F
ClientSampleId :
8035

Tot Ion:139 Resp: 159673
Ion Ratio Lower Upper
139 100
109 73.5 61.0 101.0
65 101.5 96.6 136.6

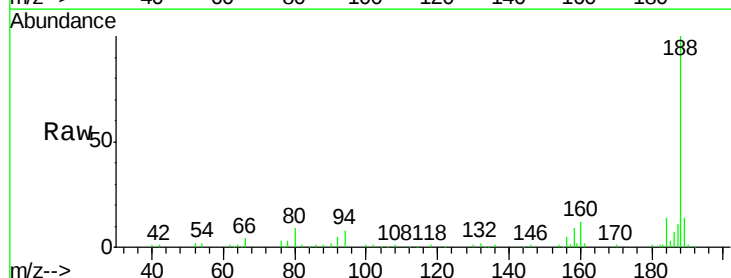


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

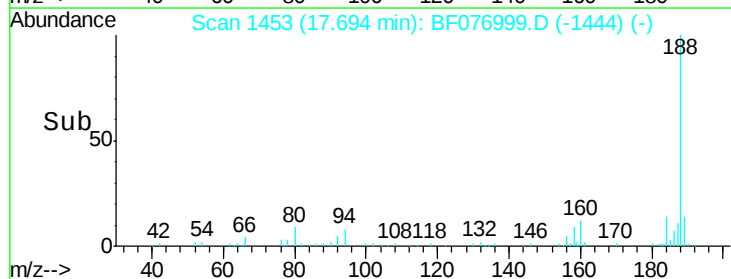
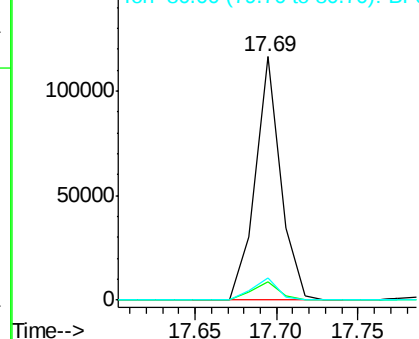


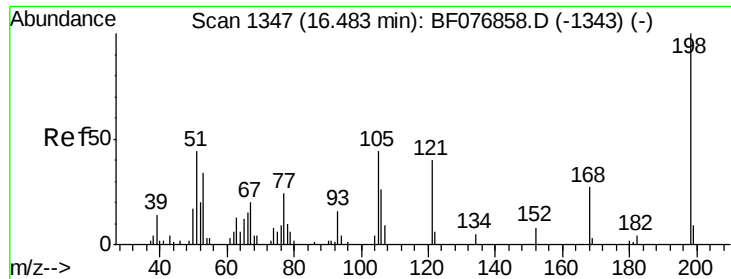
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.69 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF076999.D
Acq: 21 Jan 2015 16:58

Tgt Ion:188 Resp: 125434
Ion Ratio Lower Upper
188 100
94 7.6 6.0 9.0
80 9.0 6.9 10.3



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: 100.51 ng

RT: 16.35 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampleId :

8035

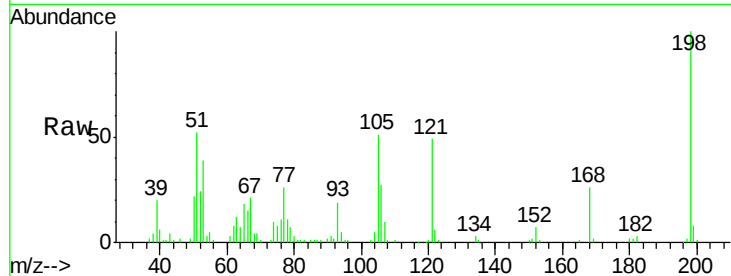
Tot Ion:198 Resp: 84151

Ion	Ratio	Lower	Upper
198	100		
51	52.2	24.2	64.2
105	51.0	24.0	64.0

198 100

51 52.2 24.2 64.2

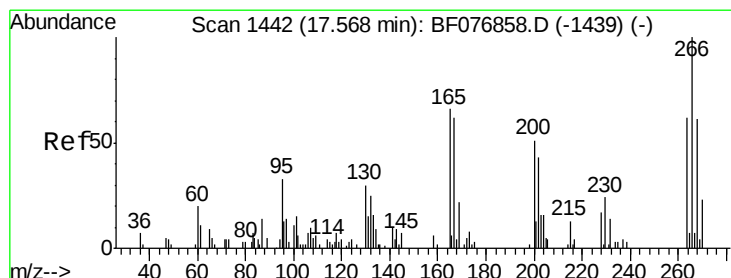
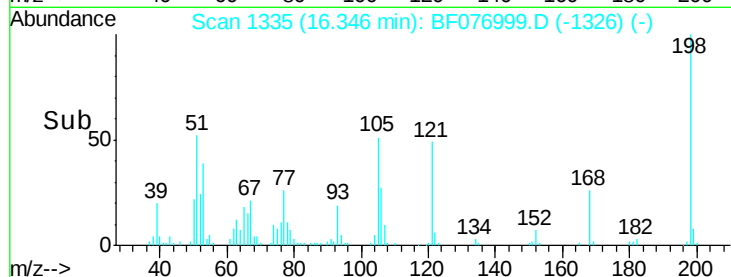
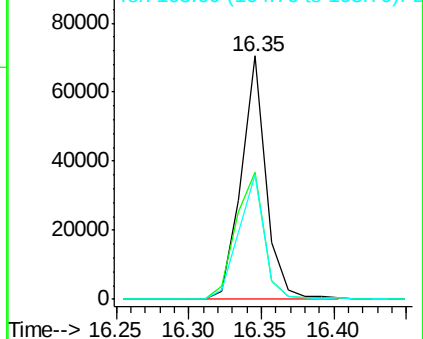
105 51.0 24.0 64.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 112.52 ng

RT: 17.45 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

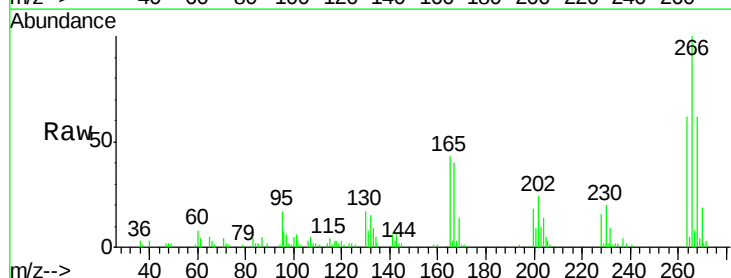
Tgt Ion:266 Resp: 71012

Ion	Ratio	Lower	Upper
266	100		
268	61.7	48.6	72.8
264	62.3	49.5	74.3

266 100

268 61.7 48.6 72.8

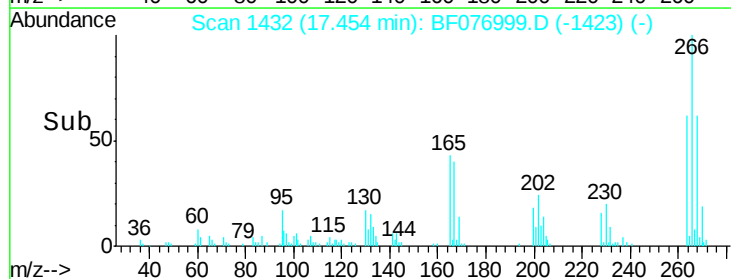
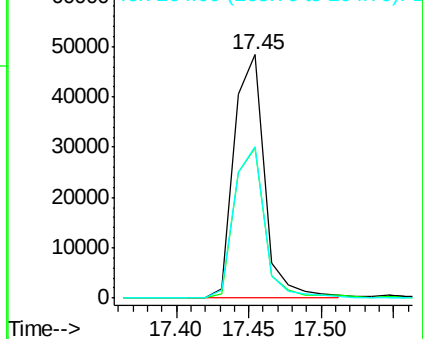
264 62.3 49.5 74.3

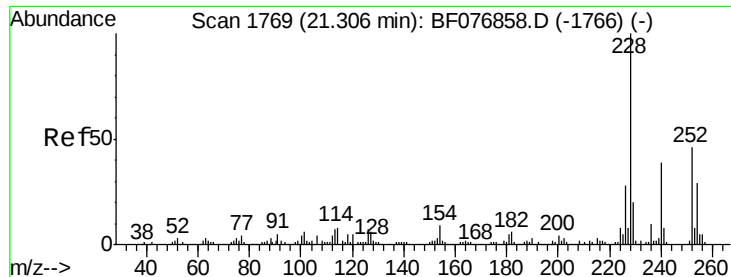


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.19 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

Instrument :

BNA_F

ClientSampleId :

8035

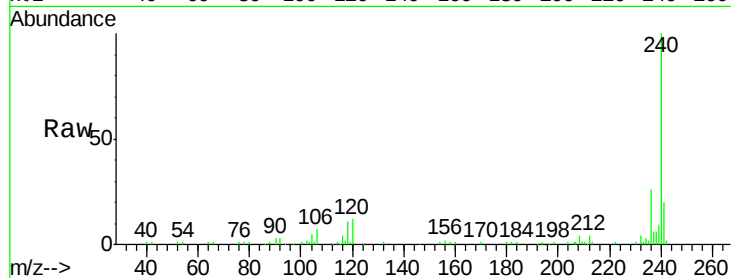
Tot Ion:240 Resp: 119693

Ion Ratio Lower Upper

240 100

120 12.4 10.4 15.6

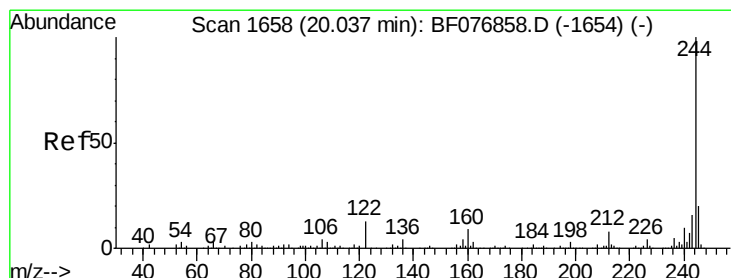
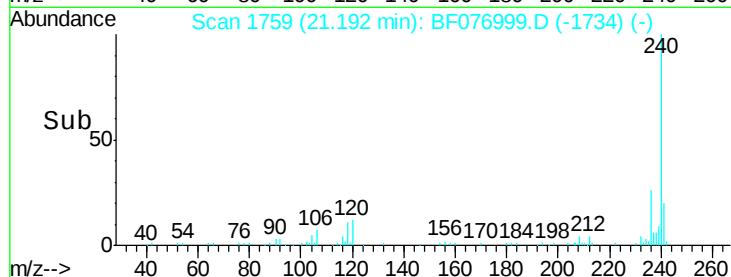
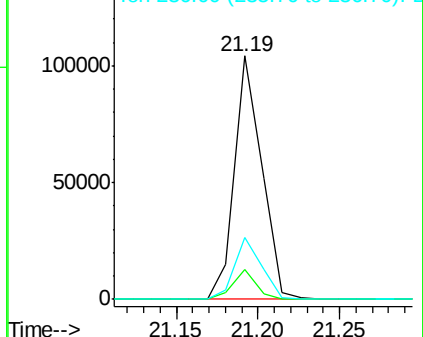
236 25.6 20.2 30.2



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: 105.07 ng

RT: 19.93 min Scan# 1649

Delta R.T. 0.00 min

Lab File: BF076999.D

Acq: 21 Jan 2015 16:58

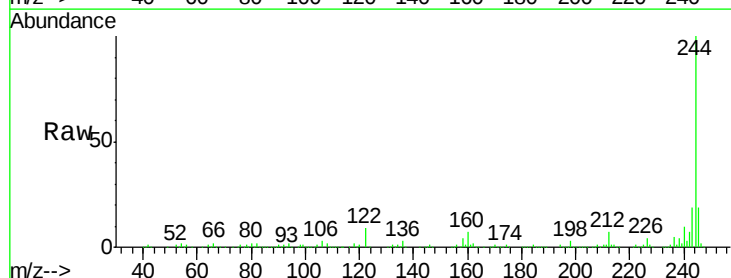
Tgt Ion:244 Resp: 546298

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

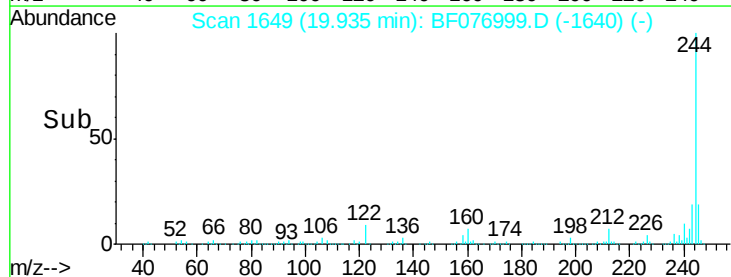
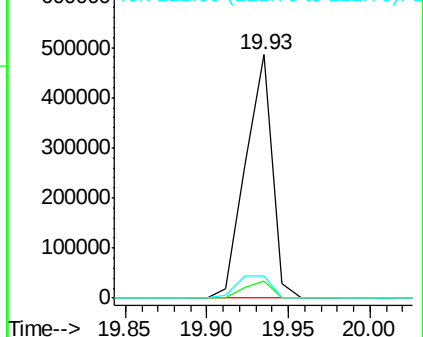
122 8.9 10.1 15.1#

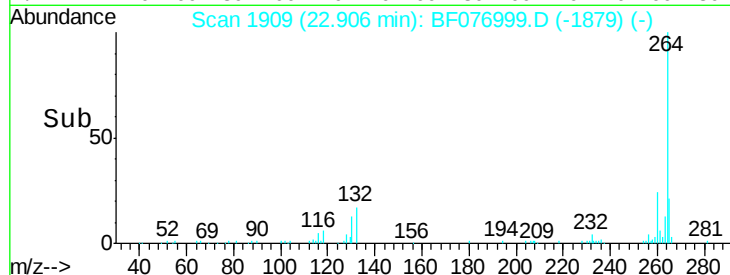
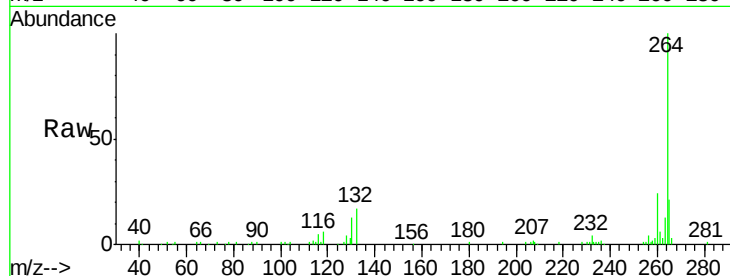
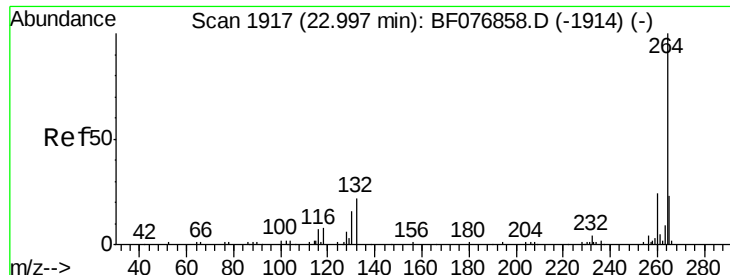


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 22.91 min Scan# 1909
 Delta R.T. 0.05 min
 Lab File: BF076999.D
 Acq: 21 Jan 2015 16:58

Instrument :
 BNA_F
 ClientSampleId :
 8035

Tot Ion:264	Resp:	108860
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.0 28.4
265	20.8	18.1 27.1

