

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084749.D
 Acq On : 2 Feb 2016 14:52
 Operator : SJ/IZ
 Sample : H1256-12DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9035DL

Quant Time: Feb 03 02:59:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

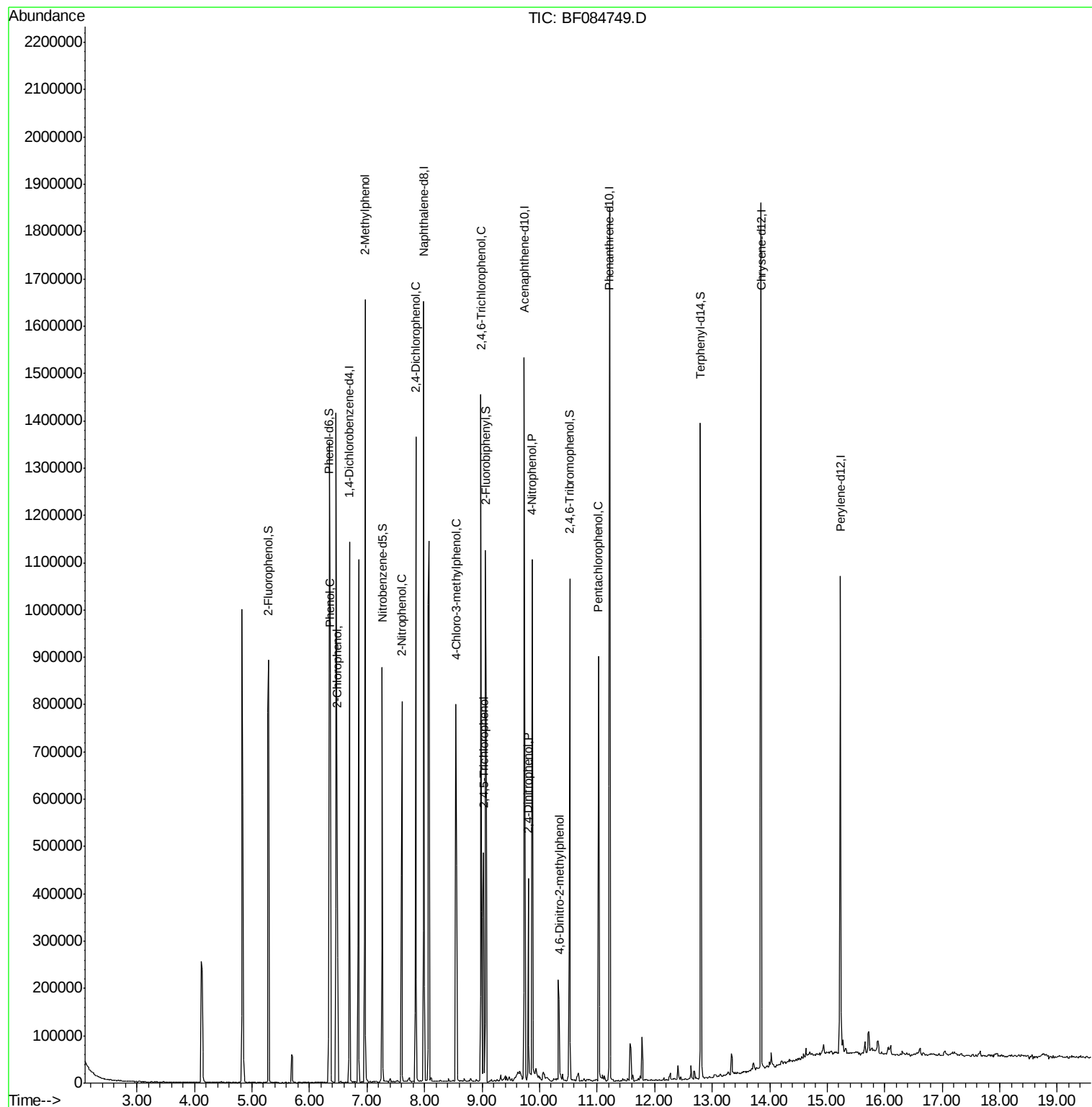
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	175083	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	731140	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	343592	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	692045	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	646174	20.00	ng	-0.02
86) Perylene-d12	15.23	264	503876	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	343454	30.55	ng	-0.02
7) Phenol-d6	6.34	99	433692	31.12	ng	-0.03
23) Nitrobenzene-d5	7.26	82	278829	21.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	118223	32.99	ng	-0.03
44) 2-Fluorobiphenyl	9.06	172	487283	18.19	ng	-0.03
78) Terphenyl-d14	12.80	244	546533	19.17	ng	-0.03
Target Compounds						Qvalue
8) 2-Chlorophenol	6.48	128	171881	13.51	ng	88
10) Phenol	6.36	94	437132	28.00	ng	# 76
17) 2-Methylphenol	6.97	107	257925	25.63	ng	96
26) 2-Nitrophenol	7.61	139	173151	25.26	ng	96
29) 2,4-Dichlorophenol	7.85	162	245751	24.09	ng	97
36) 4-Chloro-3-methylphenol	8.54	107	199514	17.14	ng	88
42) 2,4,6-Trichlorophenol	8.98	196	191115	27.19	ng	97
43) 2,4,5-Trichlorophenol	9.02	196	91249	12.77	ng	93
53) 2,4-Dinitrophenol	9.80	184	46235	22.05	ng	# 76
55) 4-Nitrophenol	9.87	139	145600	30.84	ng	# 81
64) 4,6-Dinitro-2-methylphenol	10.34	198	36540	8.55	ng	81
69) Pentachlorophenol	11.02	266	91799	23.45	ng	98

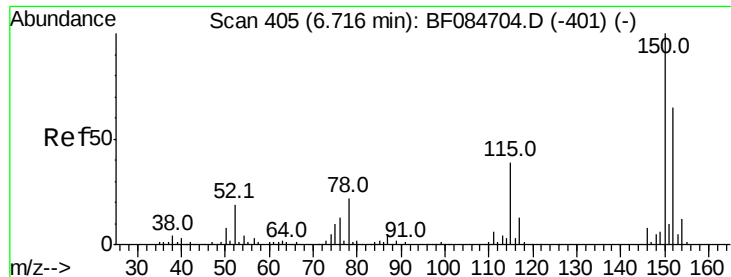
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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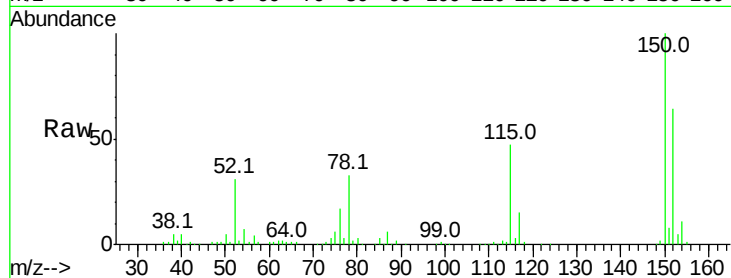


#1

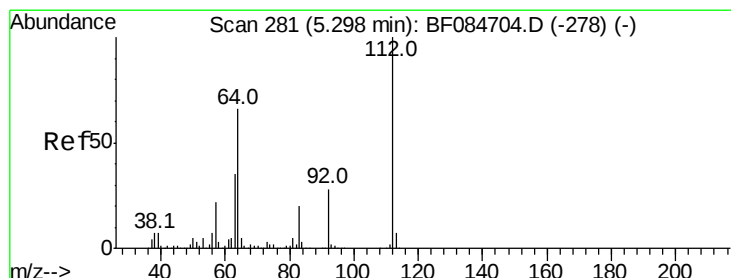
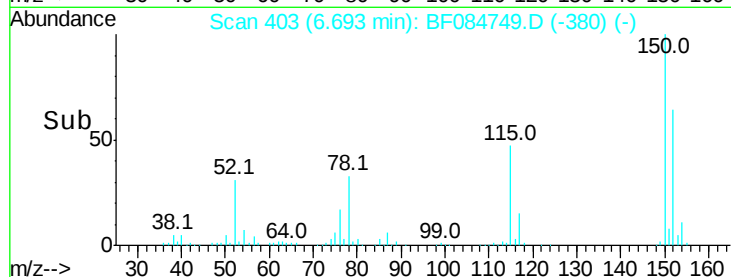
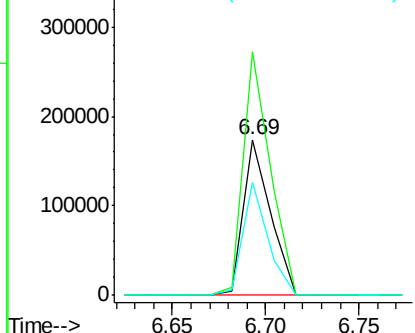
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Instrument :
BNA_F
ClientSampleId :
9035DL

Tot Ion:152 Resp: 175083
Ion Ratio Lower Upper
152 100
150 156.5 123.0 184.4
115 72.8 51.4 77.2



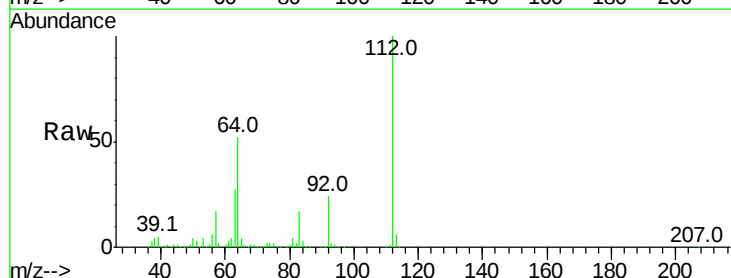
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



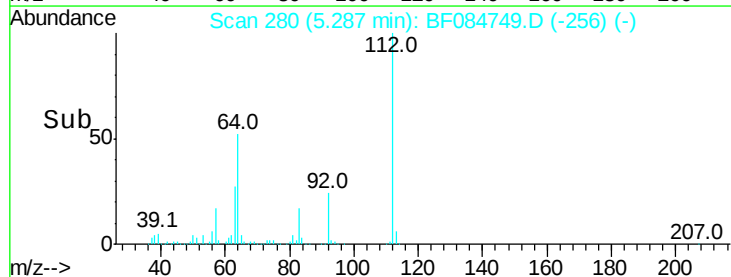
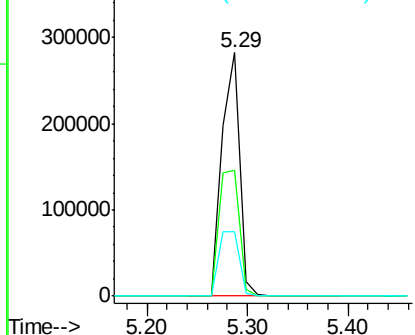
#5

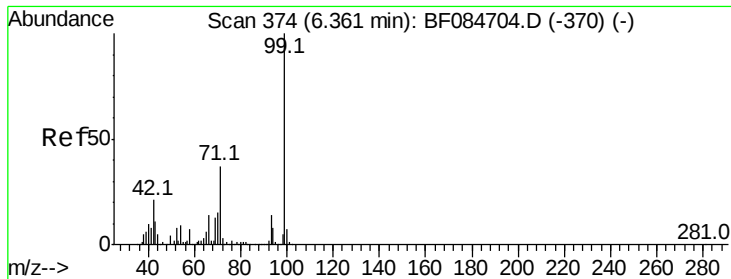
2-Fluorophenol
Concen: 30.55 ng
RT: 5.29 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Tgt Ion:112 Resp: 343454
Ion Ratio Lower Upper
112 100
64 51.9 36.6 55.0
63 26.5 19.4 29.0



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: 31.12 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Instrument :

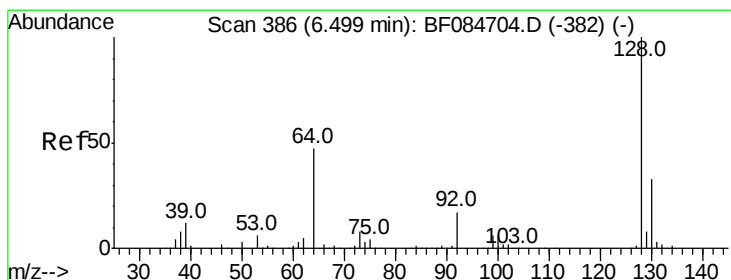
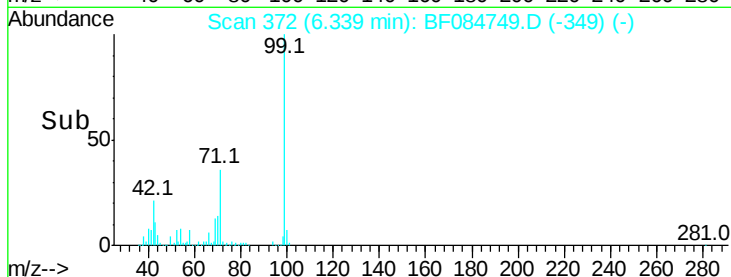
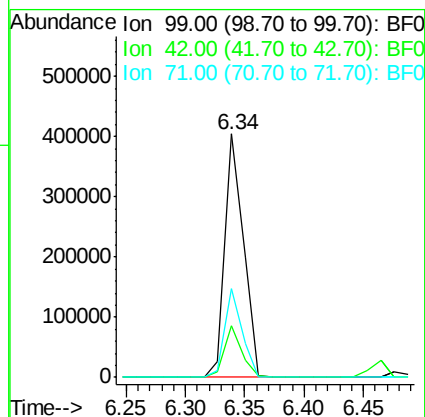
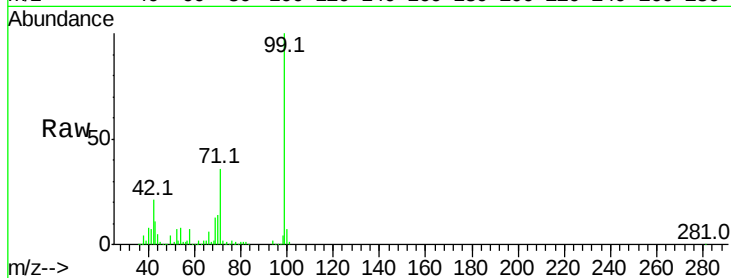
BNA_F

ClientSampled :

9035DL

Tot Ion: 99 Resp: 433692

Ion	Ratio	Lower	Upper
99	100		
42	21.1	12.8	19.2#
71	36.5	30.9	46.3



#8

2-Chlorophenol

Concen: 13.51 ng

RT: 6.48 min Scan# 384

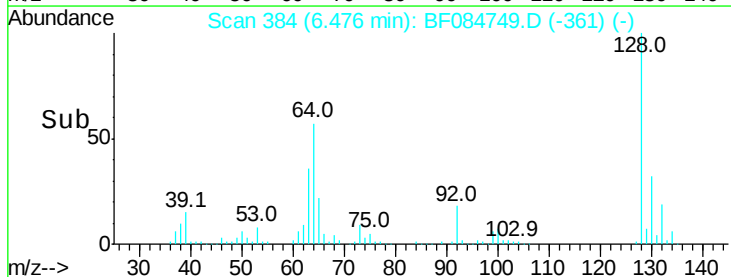
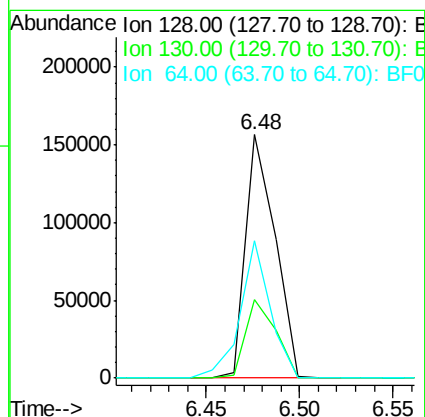
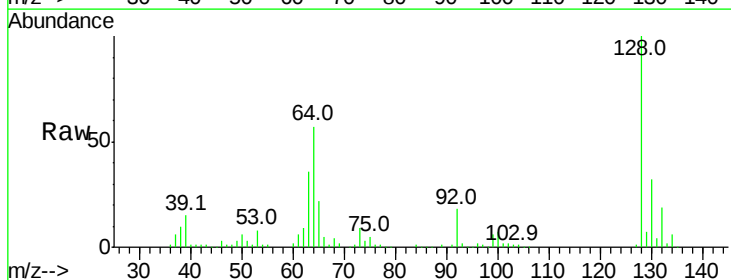
Delta R.T. -0.03 min

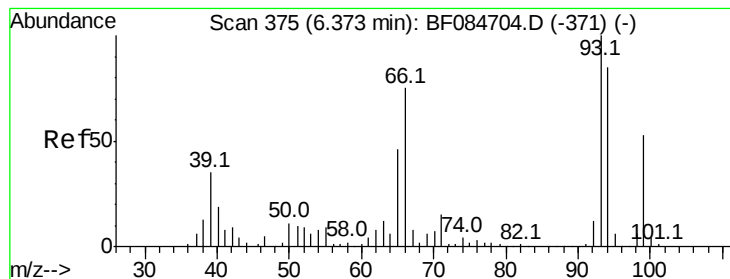
Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Tgt Ion: 128 Resp: 171881

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.6	51.6
64	56.6	23.8	63.8





#10

Phenol

Concen: 28.00 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Instrument :

BNA_F

ClientSampleId :

9035DL

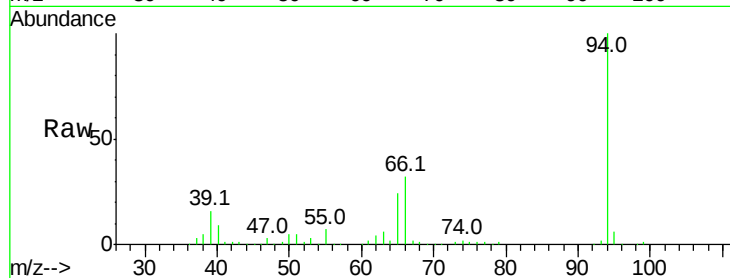
Tot Ion: 94 Resp: 437132

Ion Ratio Lower Upper

94 100

65 23.5 12.9 52.9

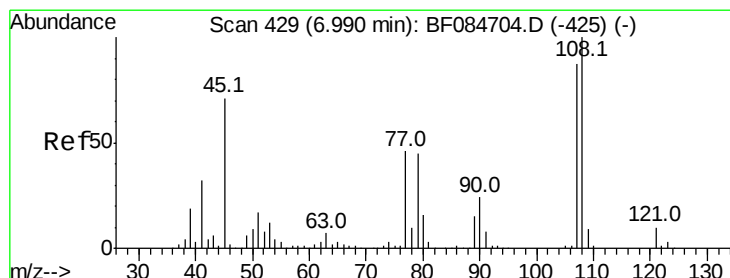
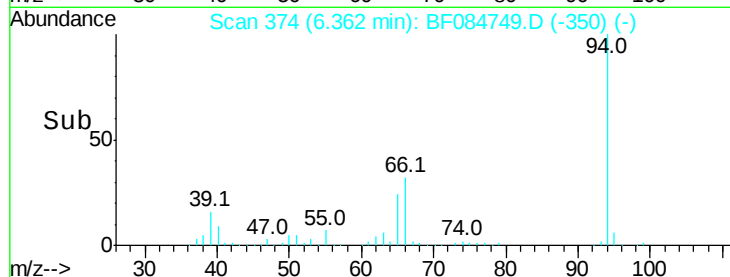
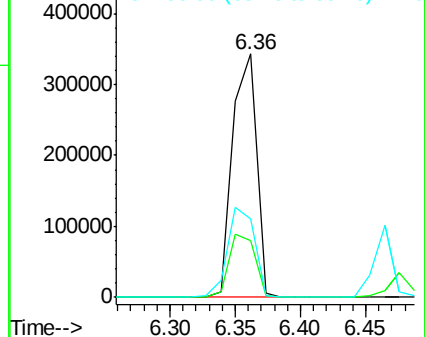
66 32.4 32.7 72.7#



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: 25.63 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Tgt Ion:107 Resp: 257925

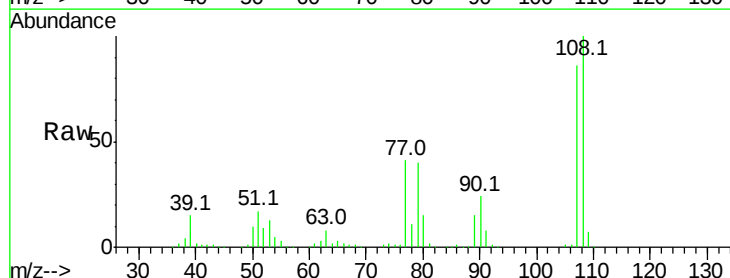
Ion Ratio Lower Upper

107 100

108 116.7 89.8 134.6

77 47.6 35.7 53.5

79 46.8 35.7 53.5

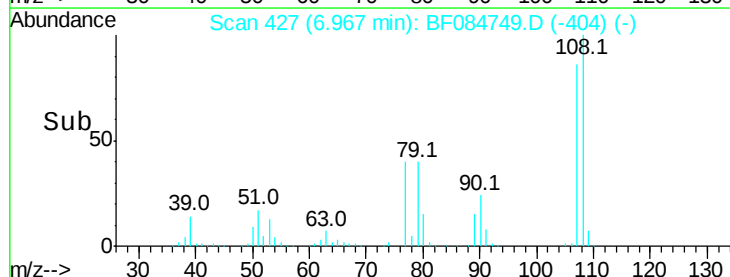
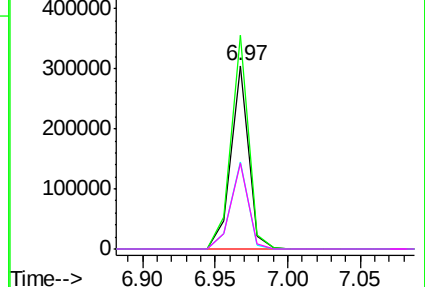


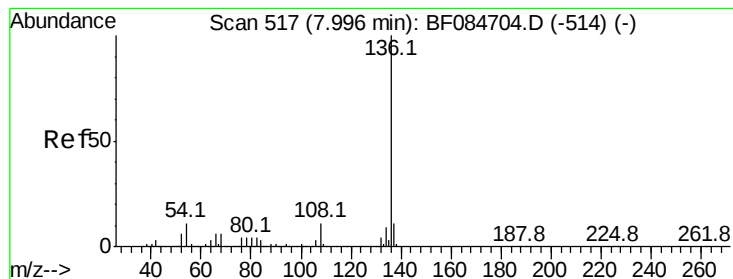
Abundance Ion 107.00 (106.70 to 107.70): E

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: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Instrument :

BNA_F

ClientSampleId :

9035DL

Tot Ion:136 Resp: 731140

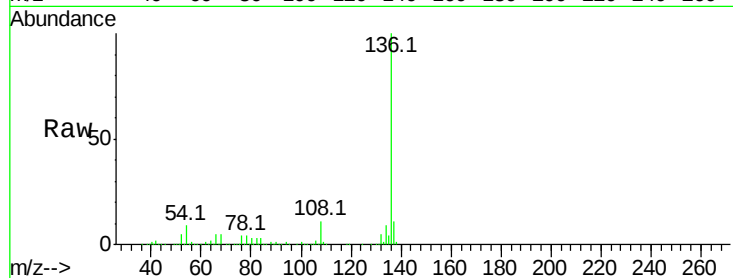
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 9.5 5.8 8.8#

68 5.1 4.2 6.2

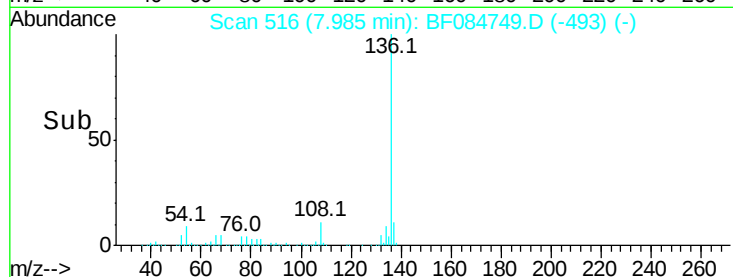


Abundance Ion 136.00 (135.70 to 136.70): E

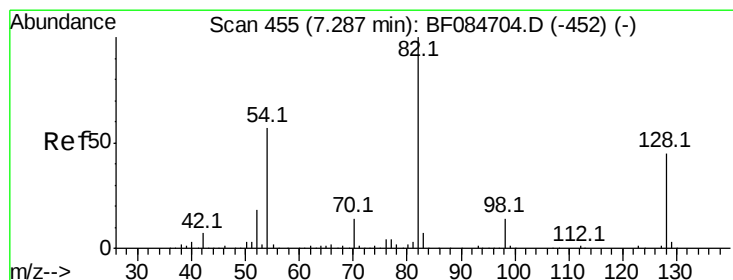
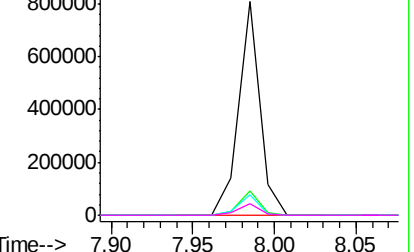
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 21.48 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

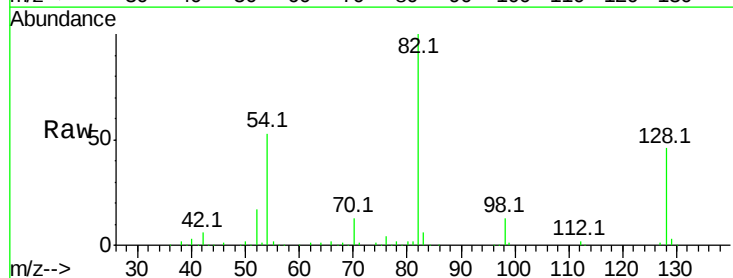
Tgt Ion: 82 Resp: 278829

Ion Ratio Lower Upper

82 100

128 46.2 34.6 51.8

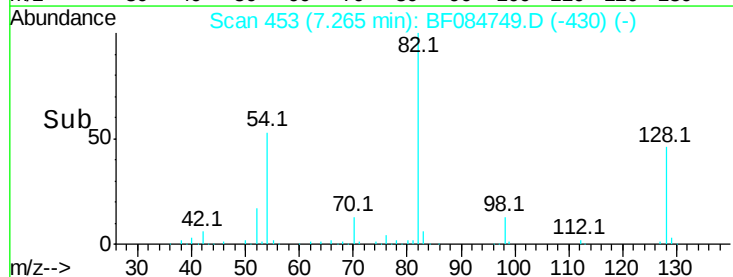
54 53.2 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

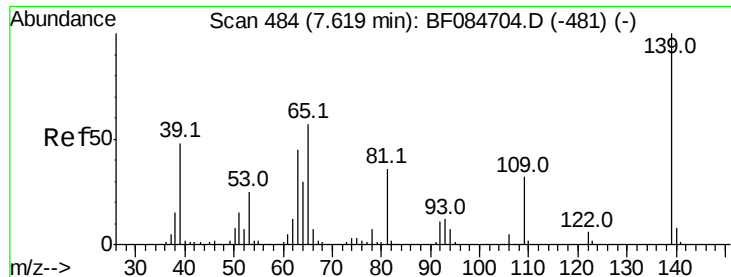
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

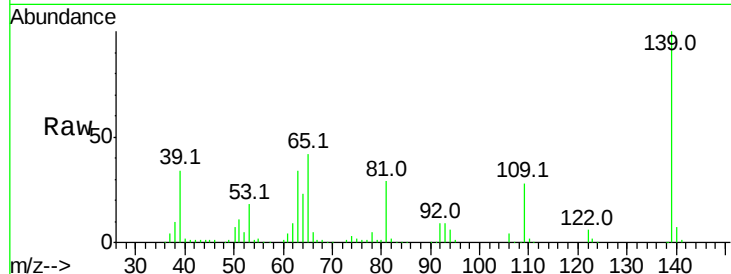




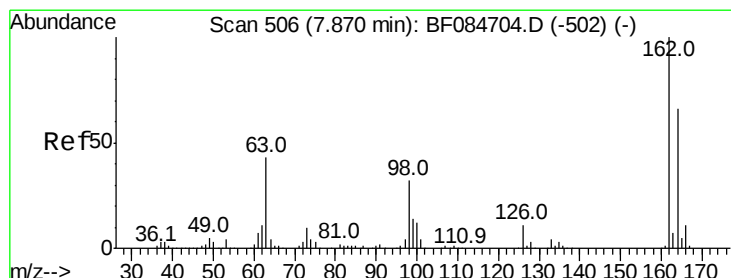
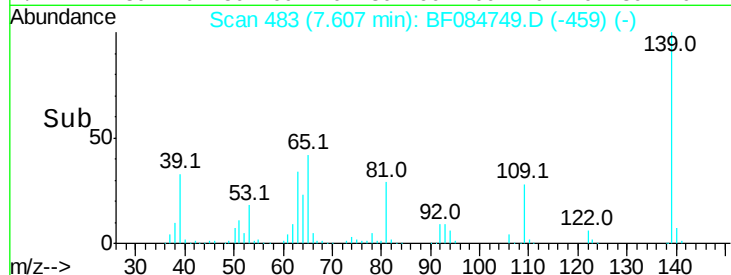
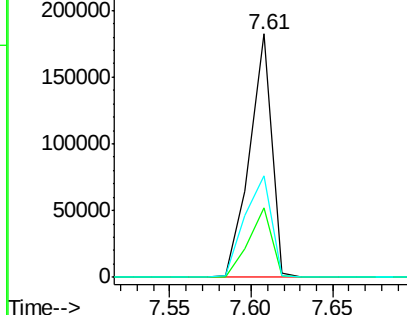
#26
2-Nitrophenol
Concen: 25.26 ng
RT: 7.61 min Scan# 483
Delta R.T. -0.02 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Instrument :
BNA_F
ClientSampled :
9035DL

Tot Ion	Ratio	Lower	Upper
139	100		
109	28.4	25.4	38.2
65	41.7	32.3	48.5

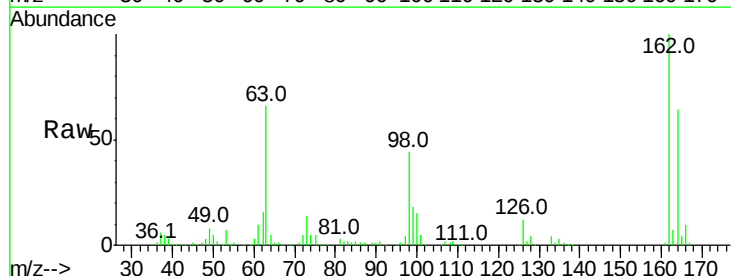


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

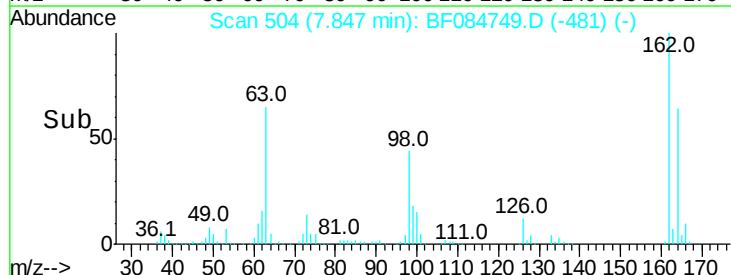
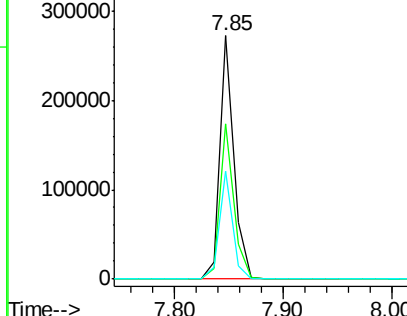


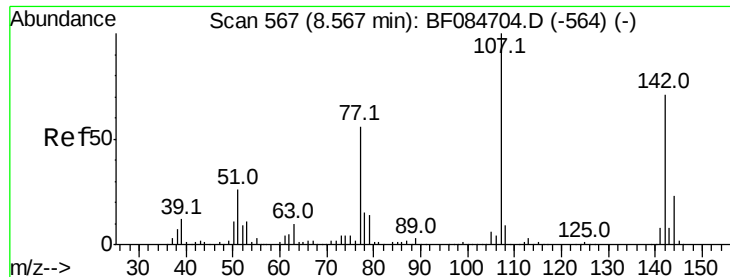
#29
2,4-Dichlorophenol
Concen: 24.09 ng
RT: 7.85 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.1	84.1
98	44.1	20.2	60.2



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: 17.14 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Instrument :

BNA_F

ClientSampleId :

9035DL

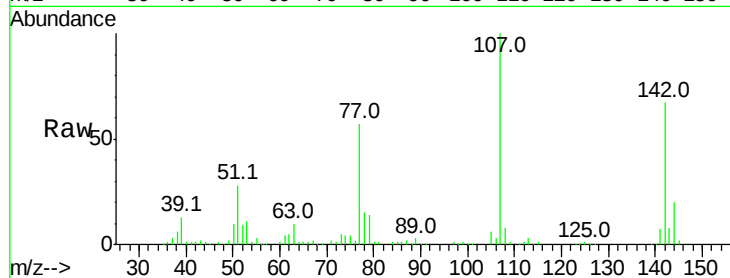
Tot Ion:107 Resp: 199514

Ion Ratio Lower Upper

107 100

144 19.7 19.7 29.5

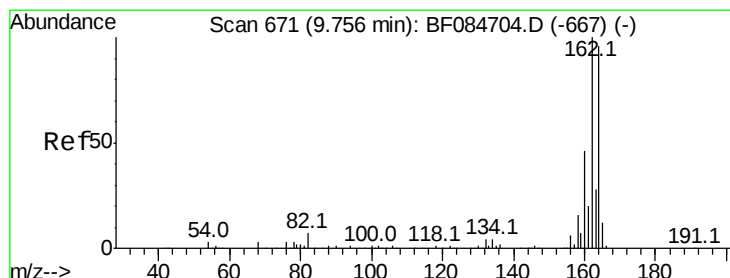
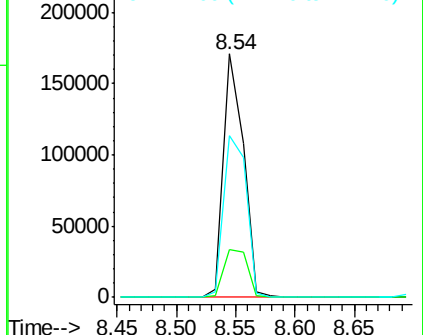
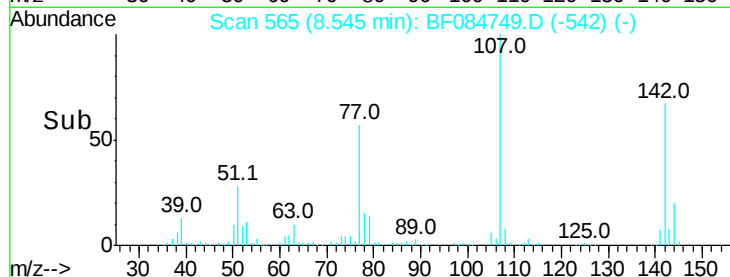
142 66.5 61.8 92.6



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: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

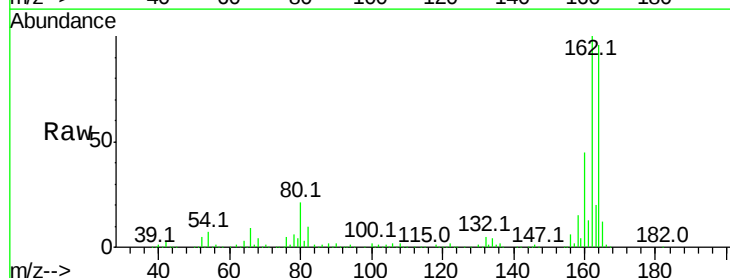
Tgt Ion:164 Resp: 343592

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

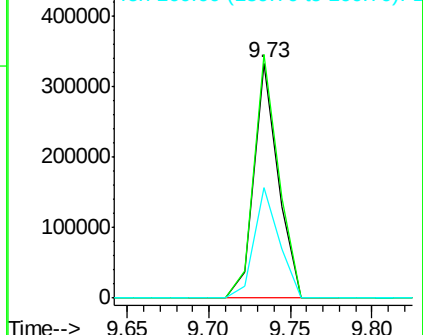
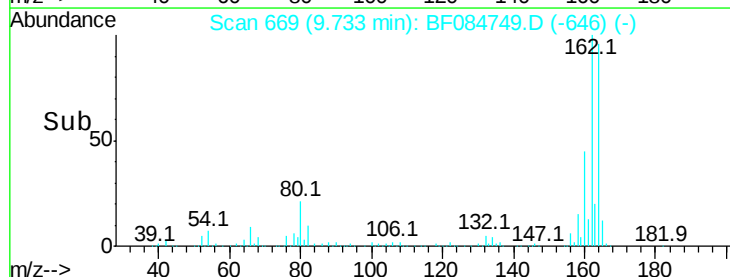
160 46.8 37.5 56.3

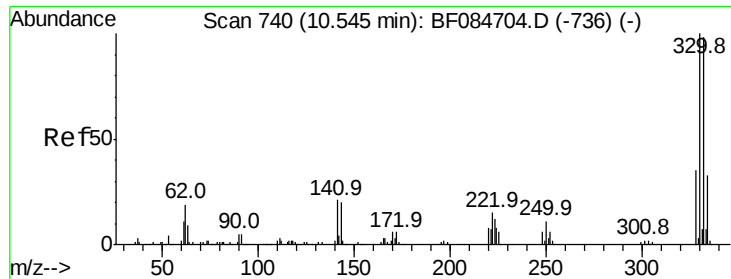


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

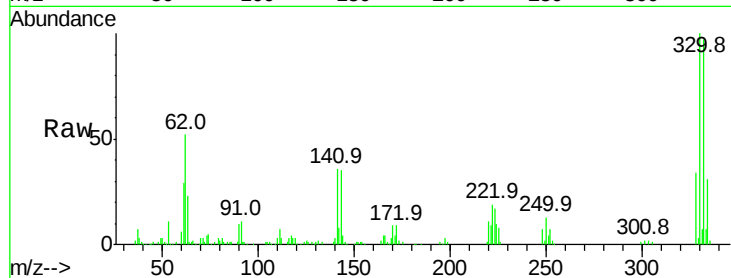




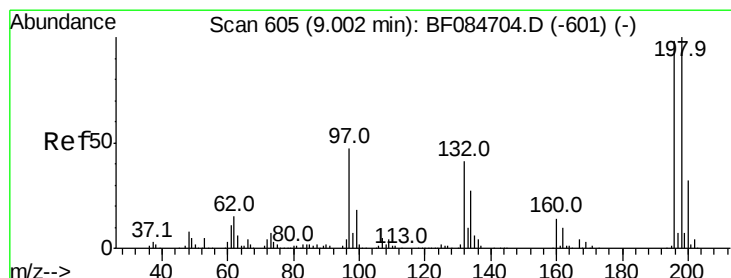
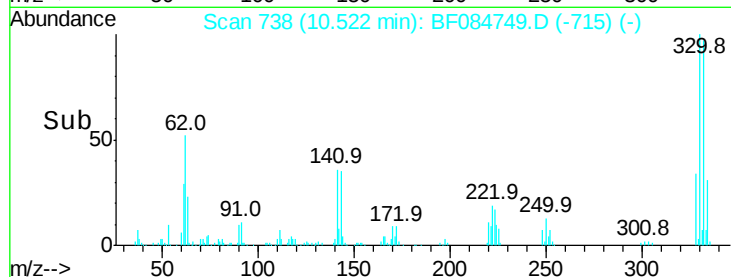
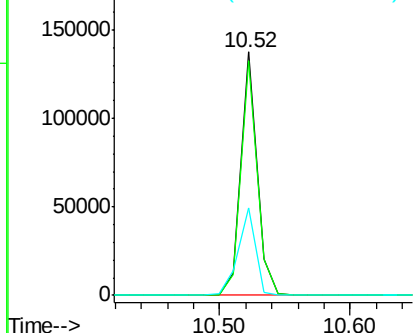
#41
 2,4,6-Tribromophenol
 Concen: 32.99 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Instrument :
 BNA_F
 ClientSampleID :
 9035DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	37.9	27.8	41.6

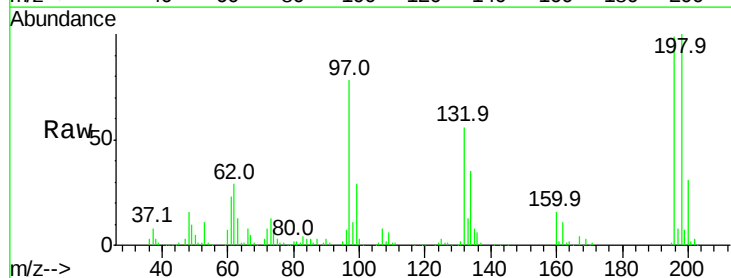


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

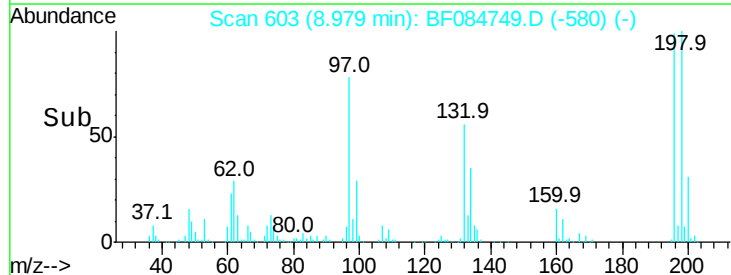
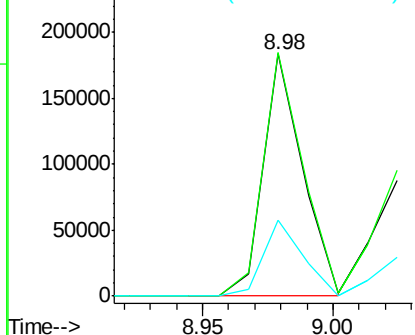


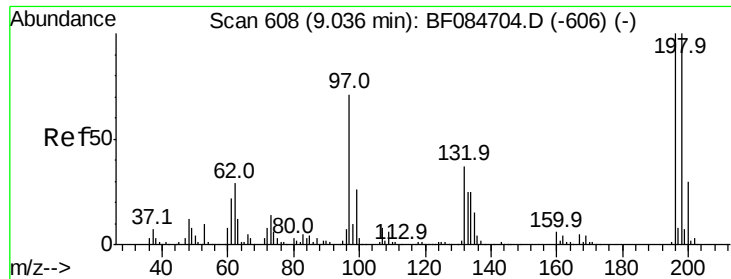
#42
 2,4,6-Trichlorophenol
 Concen: 27.19 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.03 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.6	77.7	116.5
200	31.3	24.6	37.0



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

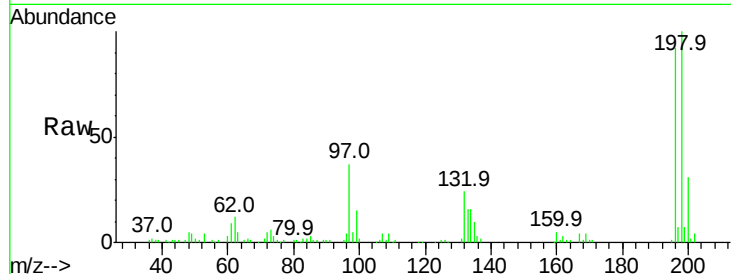




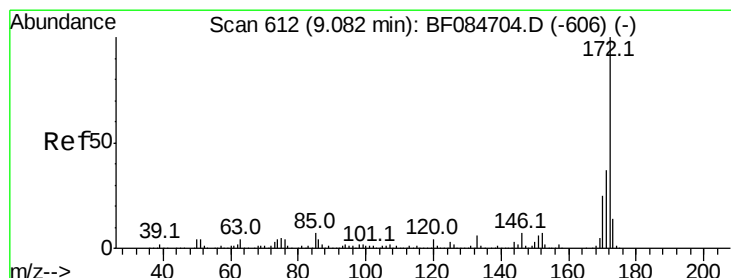
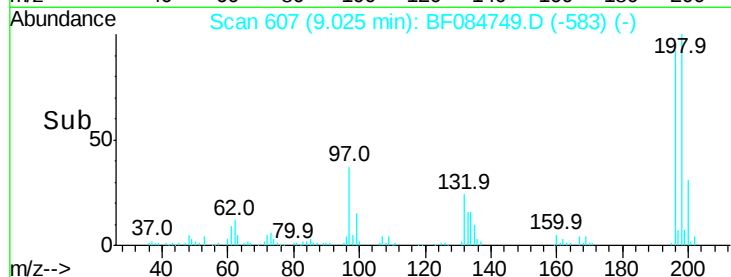
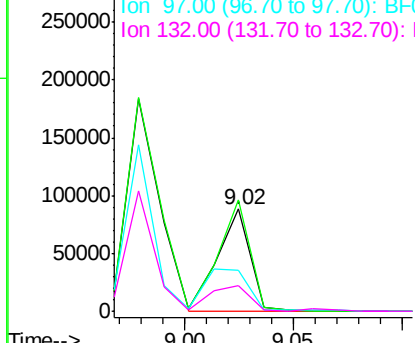
#43
 2,4,5-Trichlorophenol
 Concen: 12.77 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 9035DL

Tot Ion:196 Resp: 91249
 Ion Ratio Lower Upper
 196 100
 198 108.9 79.0 118.6
 97 40.5 33.0 49.6
 132 25.7 21.1 31.7

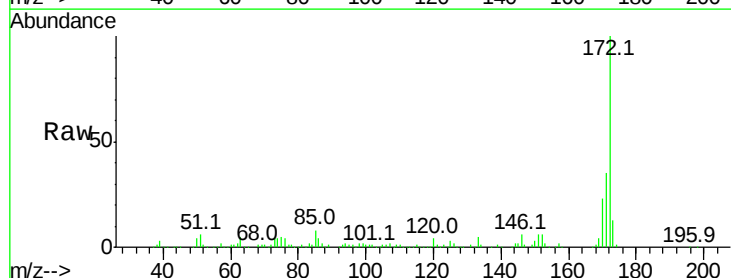


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

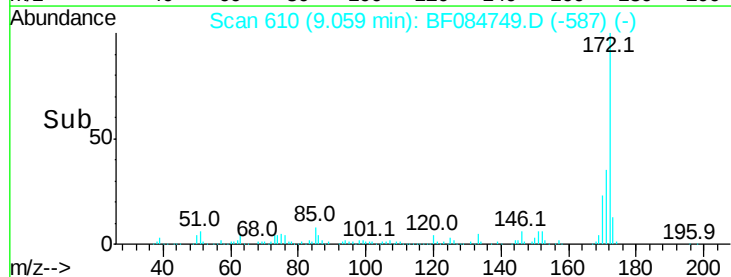
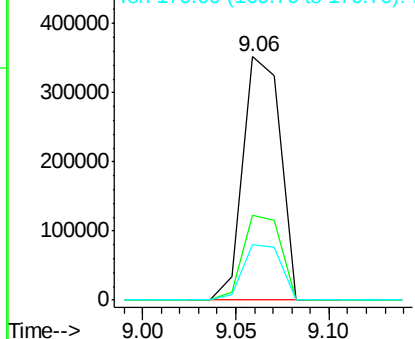


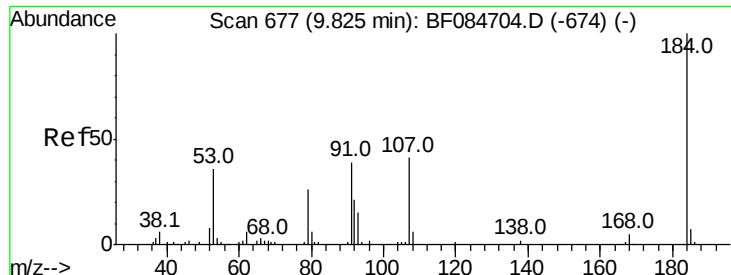
#44
 2-Fluorobiphenyl
 Concen: 18.19 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Tgt Ion:172 Resp: 487283
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.9 43.3
 170 22.7 18.6 27.8



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

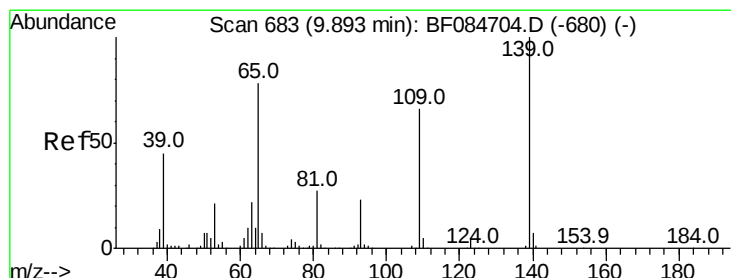
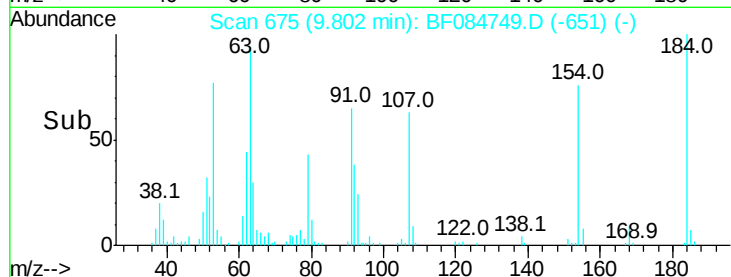
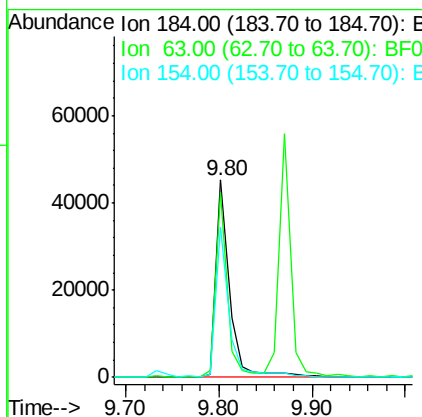
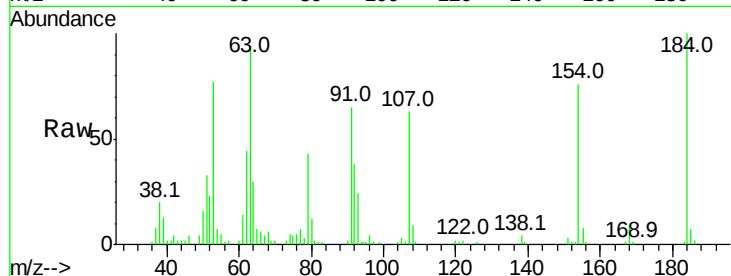




#53
 2,4-Dinitrophenol
 Concen: 22.05 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

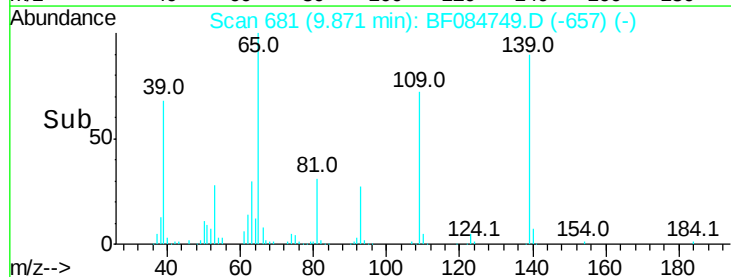
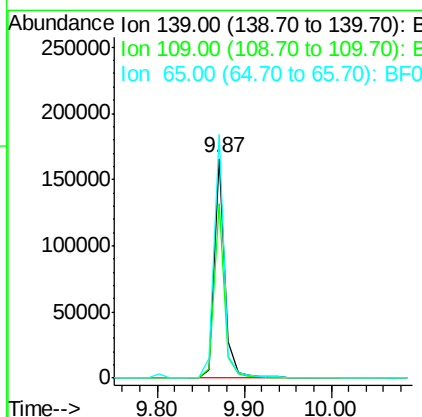
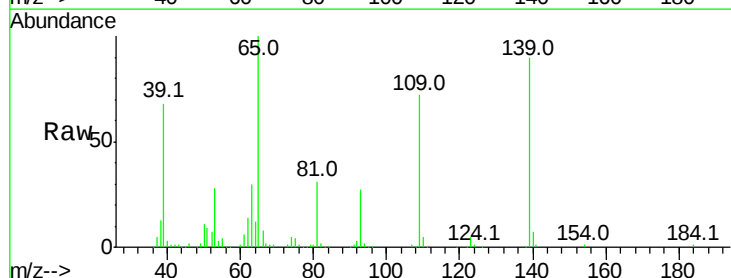
Instrument :
 BNA_F
 ClientSampleID :
 9035DL

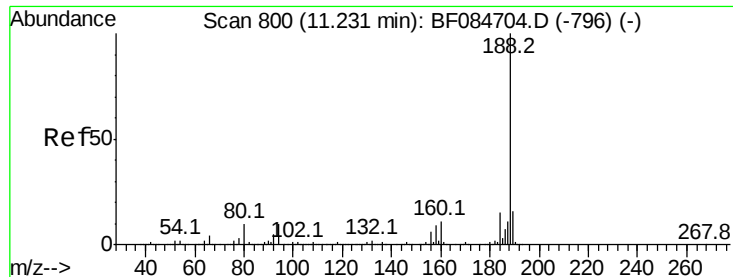
Tot Ion:184 Resp: 46235
 Ion Ratio Lower Upper
 184 100
 63 93.9 43.1 64.7#
 154 76.3 60.5 90.7



#55
 4-Nitrophenol
 Concen: 30.84 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Tgt Ion:139 Resp: 145600
 Ion Ratio Lower Upper
 139 100
 109 79.3 58.5 98.5
 65 110.7 57.6 97.6#

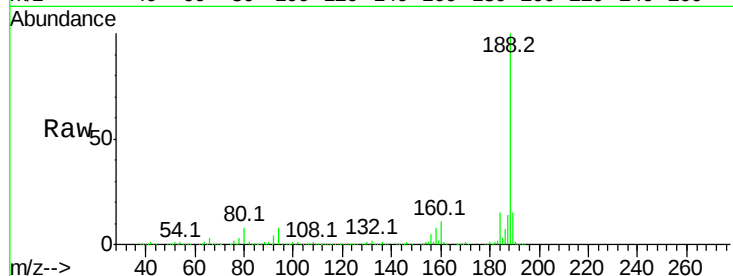




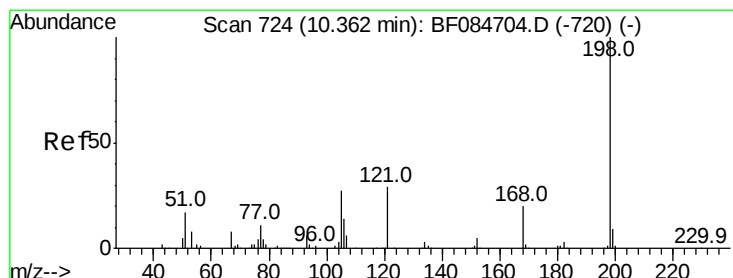
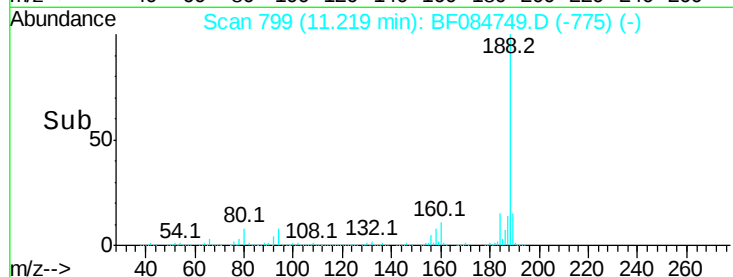
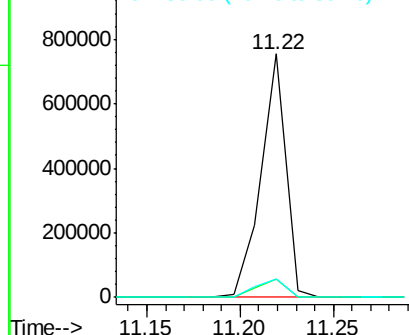
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Instrument :
BNA_F
ClientSampleId :
9035DL

Tot Ion:188 Resp: 692045
Ion Ratio Lower Upper
188 100
94 7.7 9.0 13.4#
80 7.6 9.6 14.4#

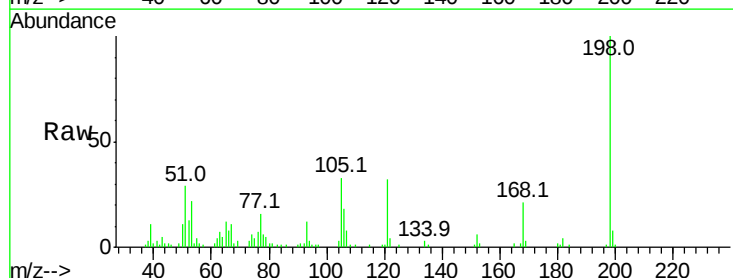


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

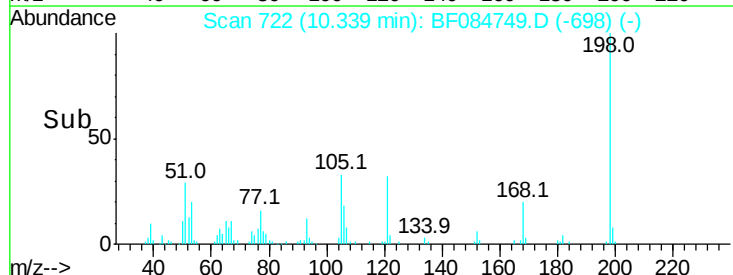
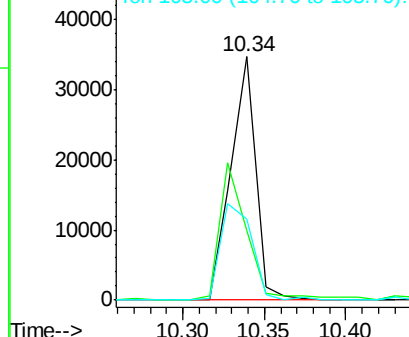


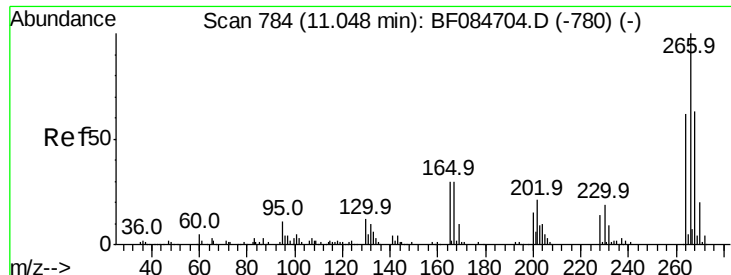
#64
4,6-Dinitro-2-methylphenol
Concen: 8.55 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF084749.D
Acq: 2 Feb 2016 14:52

Tgt Ion:198 Resp: 36540
Ion Ratio Lower Upper
198 100
51 28.6 18.9 58.9
105 33.2 26.4 66.4



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

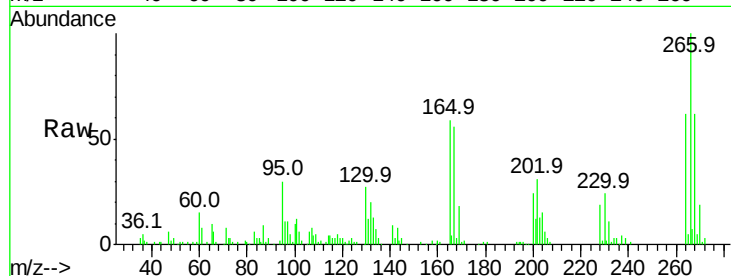




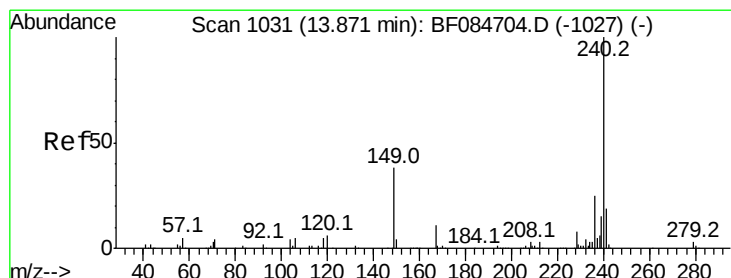
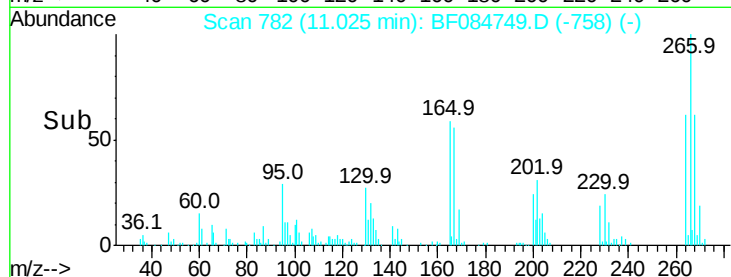
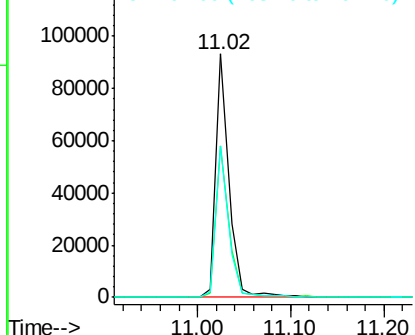
#69
 Pentachlorophenol
 Concen: 23.45 ng
 RT: 11.02 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Instrument :
 BNA_F
 ClientSampleID :
 9035DL

Tot Ion:266 Resp: 91799
 Ion Ratio Lower Upper
 266 100
 268 62.4 52.4 78.6
 264 62.4 50.2 75.2

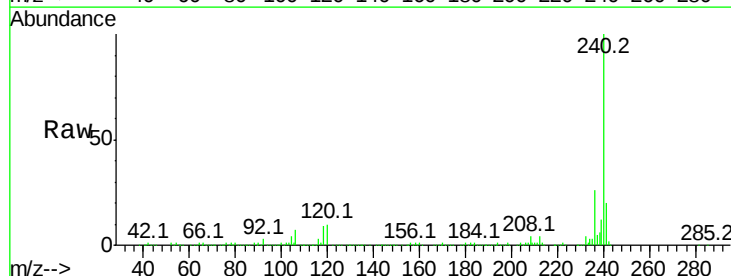


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

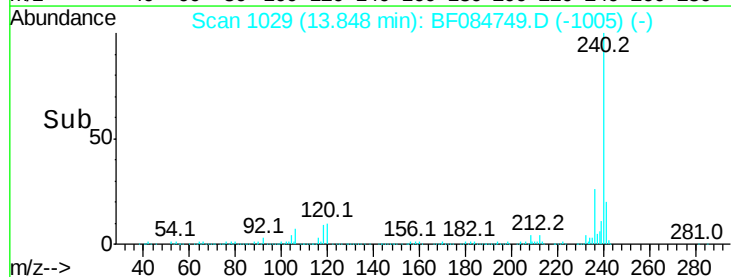
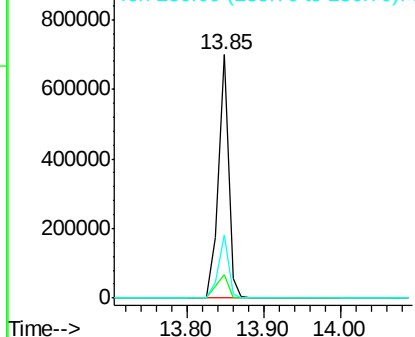


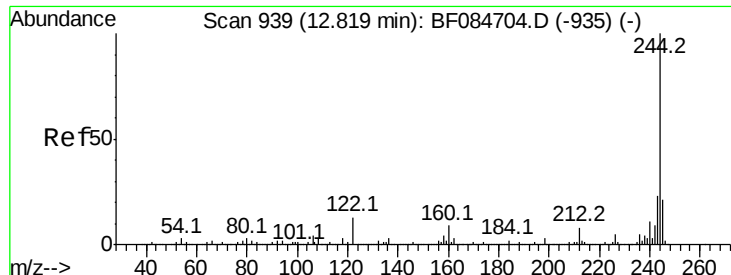
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF084749.D
 Acq: 2 Feb 2016 14:52

Tgt Ion:240 Resp: 646174
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.5 14.3
 236 25.8 20.6 31.0



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: 19.17 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

Instrument :

BNA_F

ClientSampled :

9035DL

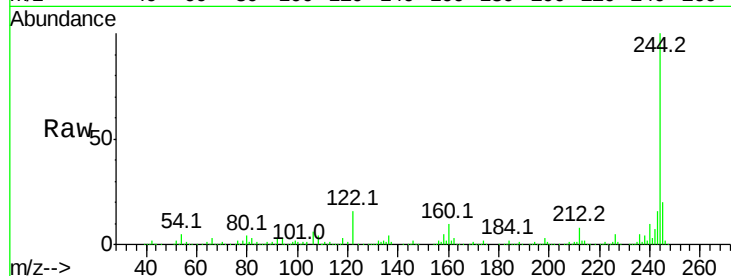
Tot Ion:244 Resp: 546533

Ion Ratio Lower Upper

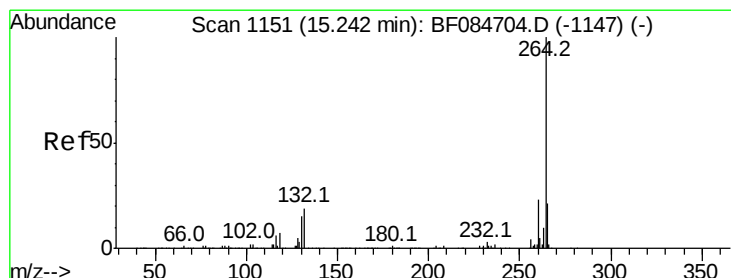
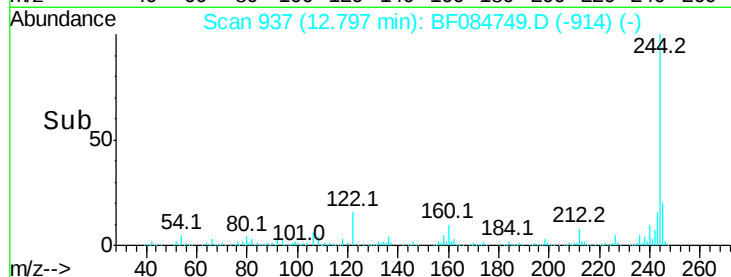
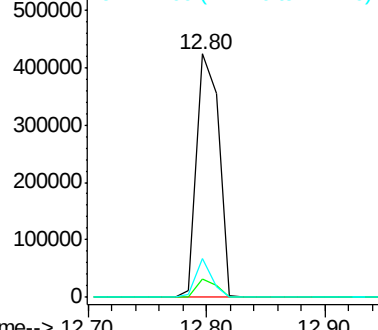
244 100

212 7.6 5.7 8.5

122 16.2 7.4 11.0#



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: 15.23 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF084749.D

Acq: 2 Feb 2016 14:52

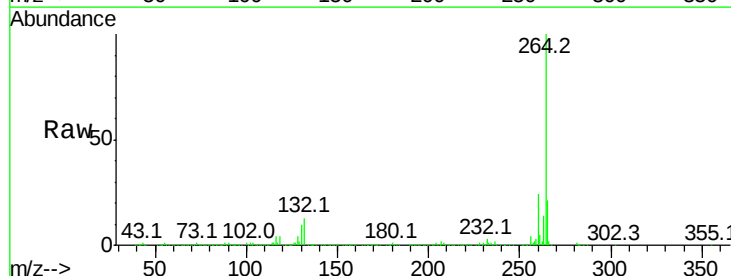
Tgt Ion:264 Resp: 503876

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.2 17.8 26.6



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

