

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084724.D
 Acq On : 1 Feb 2016 22:13
 Operator : SJ/IZ
 Sample : H1256-12DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9035DL

Quant Time: Feb 02 04:48:19 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

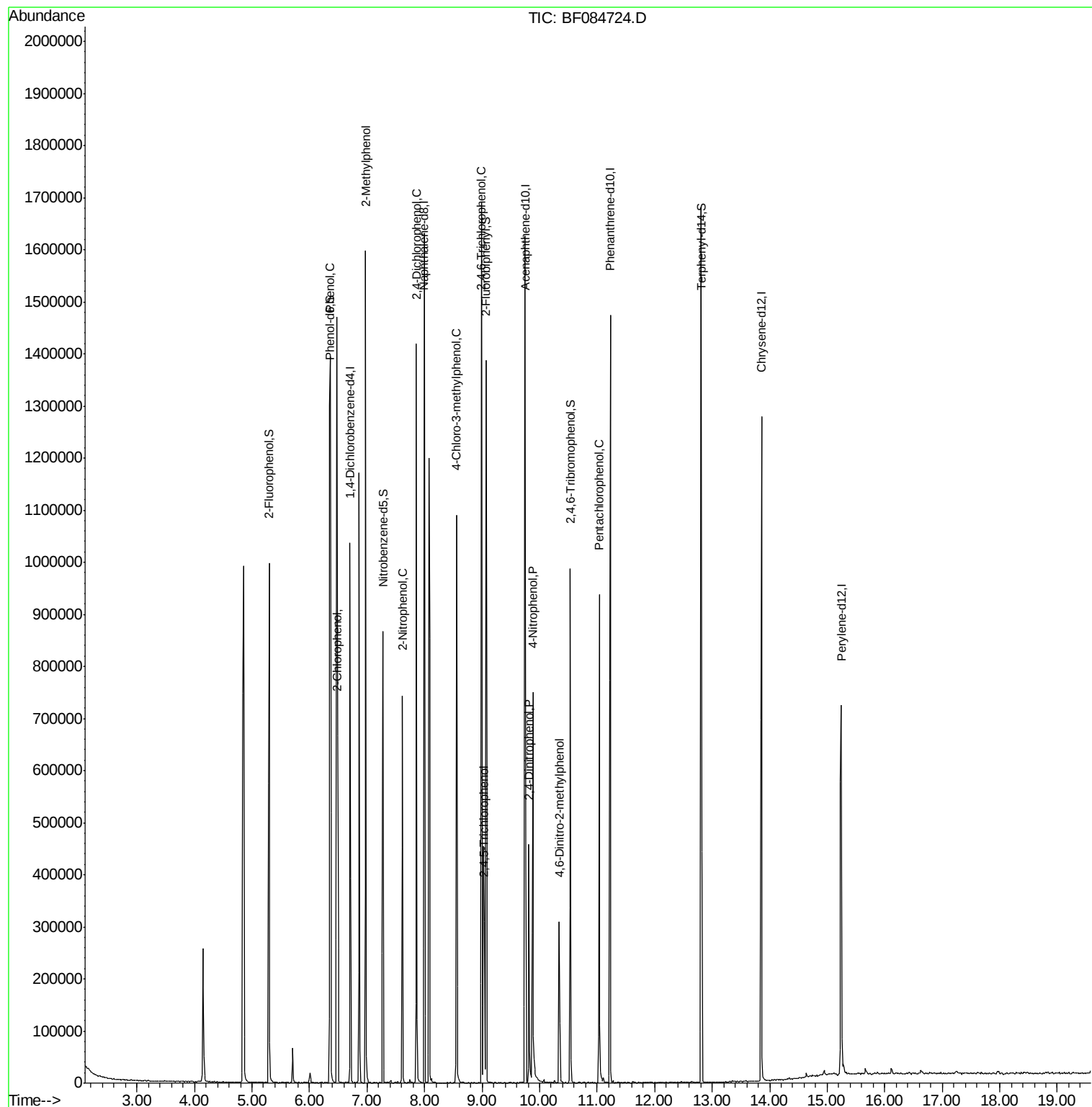
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	162516	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	688778	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	319903	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	631361	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	532534	20.00	ng	-0.01
86) Perylene-d12	15.24	264	369156	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	328134	31.45	ng	-0.01
7) Phenol-d6	6.35	99	407681	31.52	ng	-0.02
23) Nitrobenzene-d5	7.28	82	269741	22.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	121490	36.41	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	475421	19.17	ng	-0.02
78) Terphenyl-d14	12.81	244	518699	22.07	ng	-0.02
Target Compounds						Qvalue
8) 2-Chlorophenol	6.49	128	165613	14.02	ng	87
10) Phenol	6.36	94	405889	28.01	ng	92
17) 2-Methylphenol	6.98	107	259426	27.78	ng	97
26) 2-Nitrophenol	7.62	139	171914	26.62	ng	96
29) 2,4-Dichlorophenol	7.86	162	247970	25.80	ng	99
36) 4-Chloro-3-methylphenol	8.56	107	204262	18.63	ng	94
42) 2,4,6-Trichlorophenol	8.99	196	193526	29.57	ng	97
43) 2,4,5-Trichlorophenol	9.04	196	89366	13.44	ng	95
53) 2,4-Dinitrophenol	9.81	184	55010	26.57	ng	# 88
55) 4-Nitrophenol	9.88	139	149363	33.98	ng	91
64) 4,6-Dinitro-2-methylphenol	10.34	198	40608	10.42	ng	# 31
69) Pentachlorophenol	11.04	266	98451	27.57	ng	98

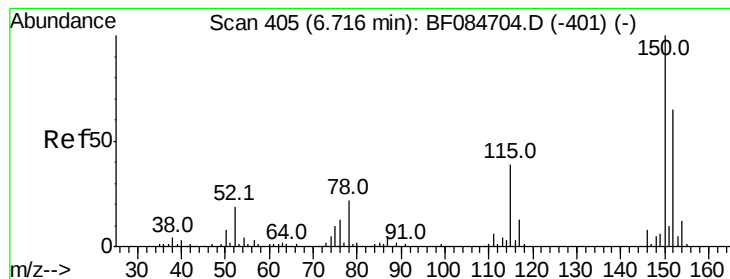
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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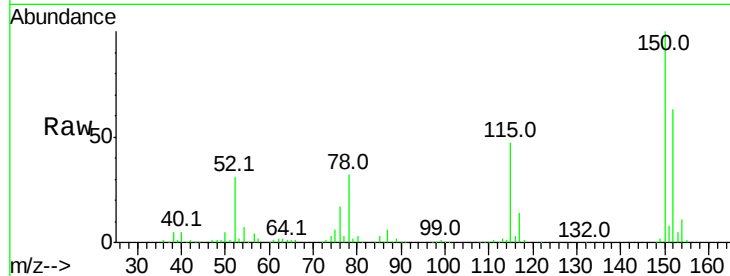


#1

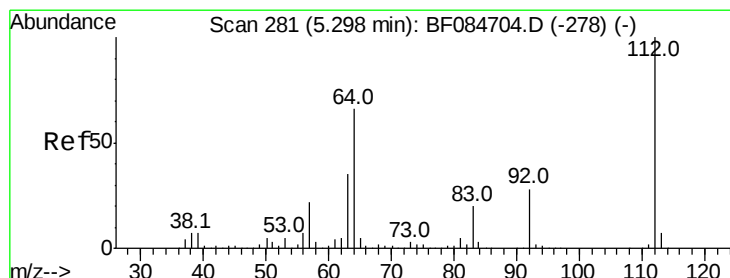
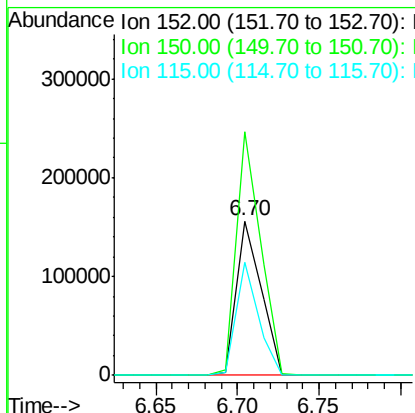
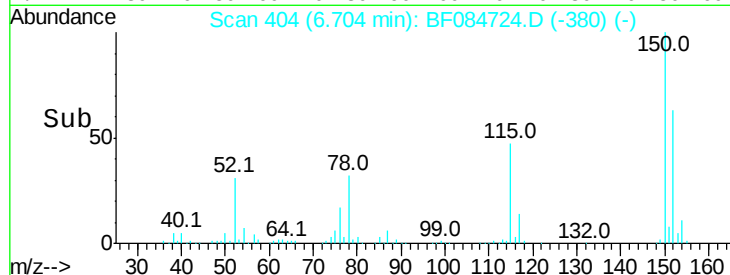
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084724.D
Acq: 1 Feb 2016 22:13

Instrument :
BNA_F
ClientSampleId :
9035DL

Tot Ion:152 Resp: 162516
Ion Ratio Lower Upper
152 100
150 158.0 123.0 184.4
115 73.8 51.4 77.2



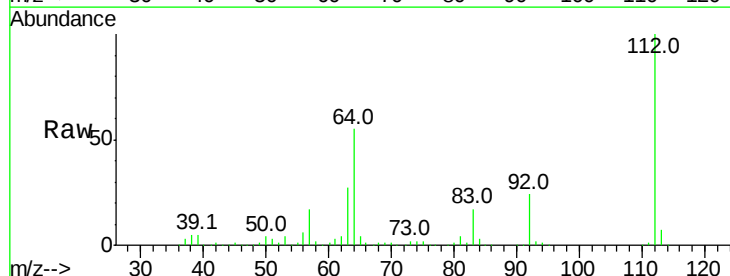
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



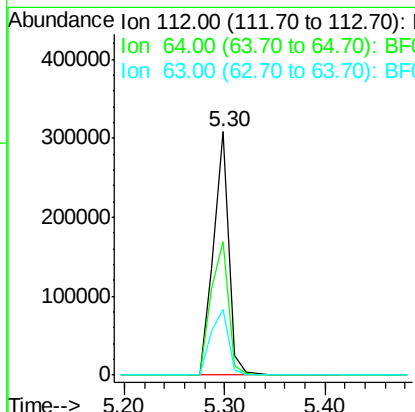
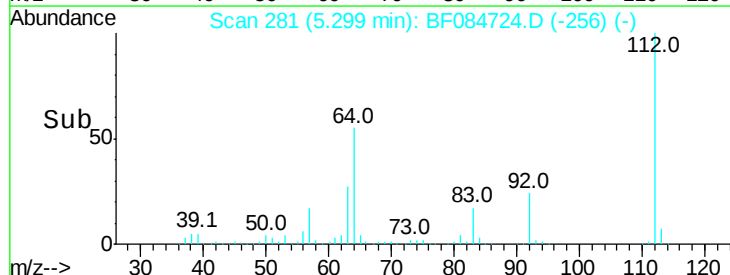
#5

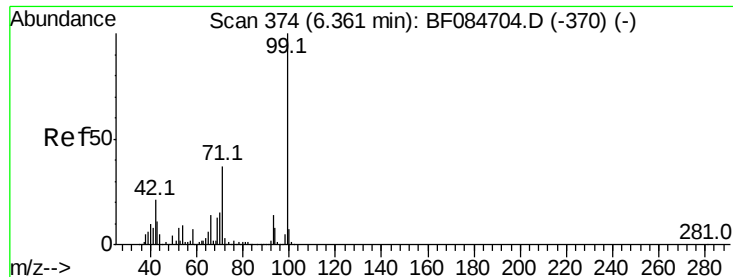
2-Fluorophenol
Concen: 31.45 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF084724.D
Acq: 1 Feb 2016 22:13

Tgt Ion:112 Resp: 328134
Ion Ratio Lower Upper
112 100
64 54.6 36.6 55.0
63 27.1 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: 31.52 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Instrument :

BNA_F

ClientSampleId :

9035DL

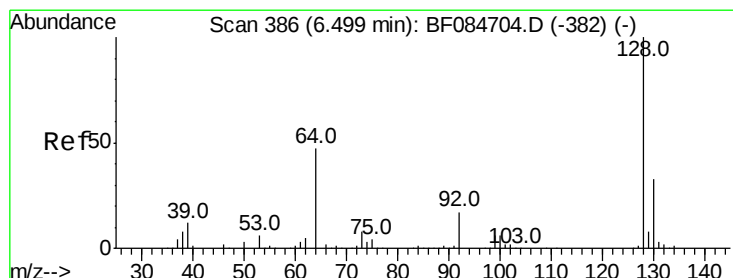
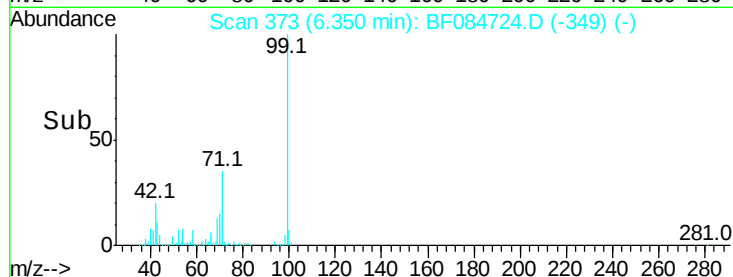
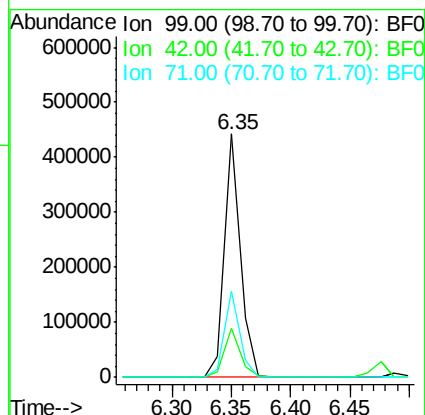
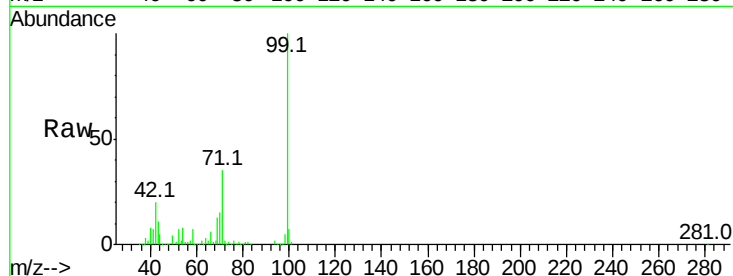
Tot Ion: 99 Resp: 407681

Ion Ratio Lower Upper

99 100

42 20.3 12.8 19.2#

71 35.4 30.9 46.3



#8

2-Chlorophenol

Concen: 14.02 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

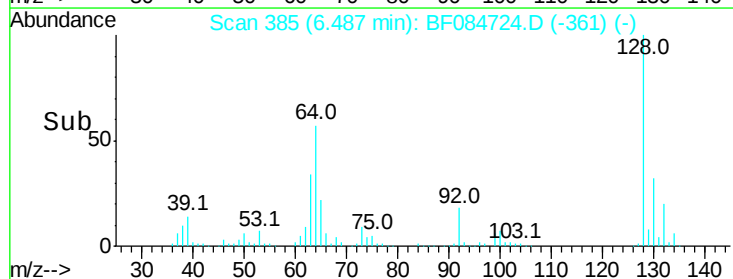
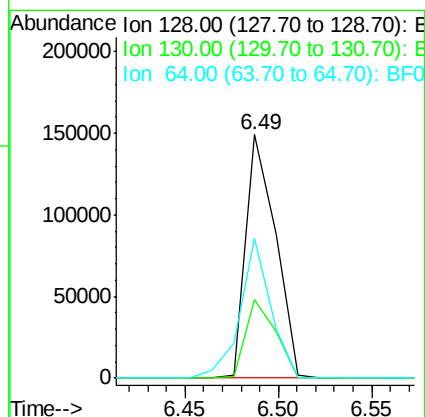
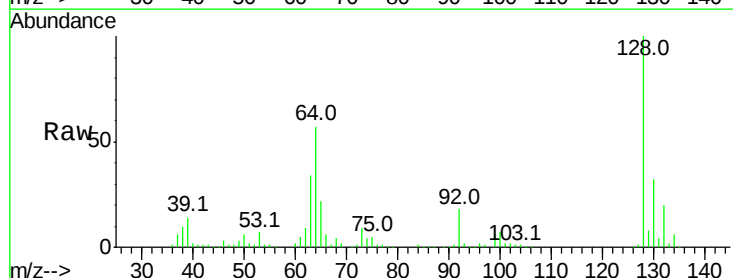
Tgt Ion:128 Resp: 165613

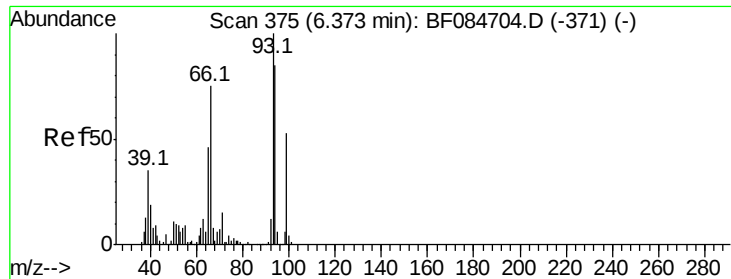
Ion Ratio Lower Upper

128 100

130 32.1 11.6 51.6

64 57.4 23.8 63.8





#10

Phenol

Concen: 28.01 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Instrument :

BNA_F

ClientSampleId :

9035DL

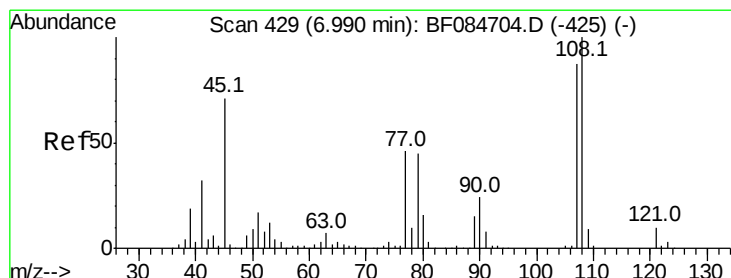
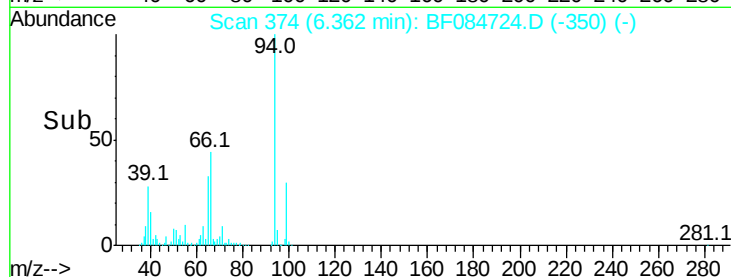
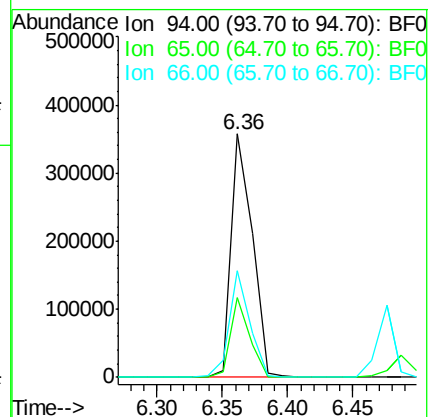
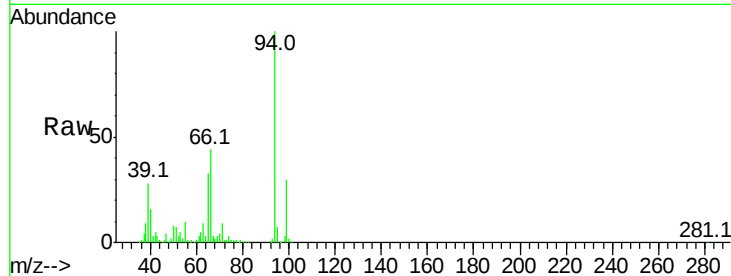
Tot Ion: 94 Resp: 405889

Ion Ratio Lower Upper

94 100

65 32.7 12.9 52.9

66 43.6 32.7 72.7



#17

2-Methylphenol

Concen: 27.78 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Tgt Ion: 107 Resp: 259426

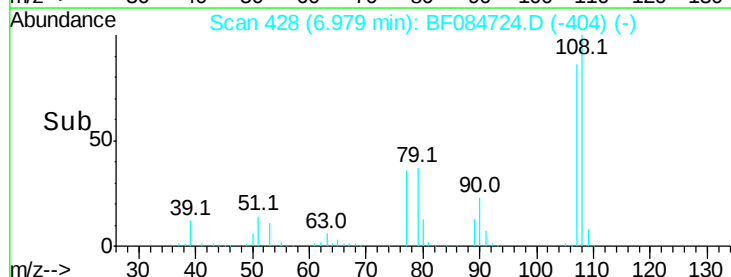
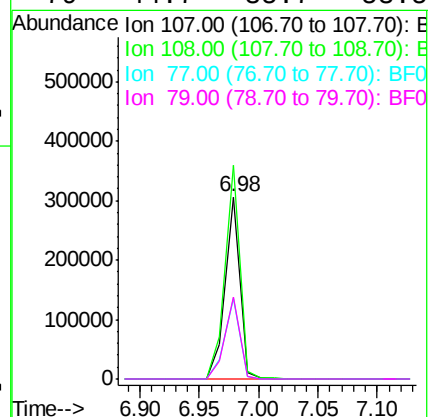
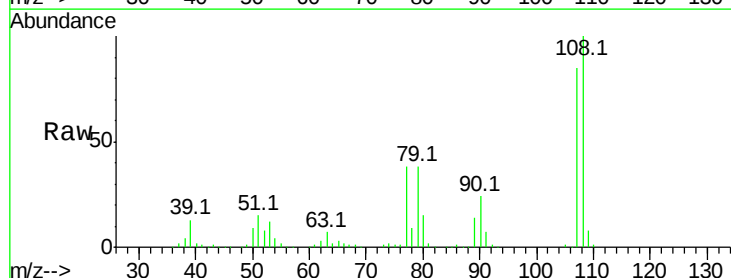
Ion Ratio Lower Upper

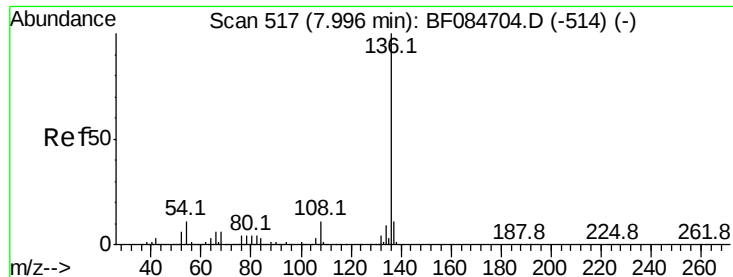
107 100

108 117.2 89.8 134.6

77 44.3 35.7 53.5

79 44.7 35.7 53.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Instrument :

BNA_F

ClientSampleId :

9035DL

Tot Ion:136 Resp: 688778

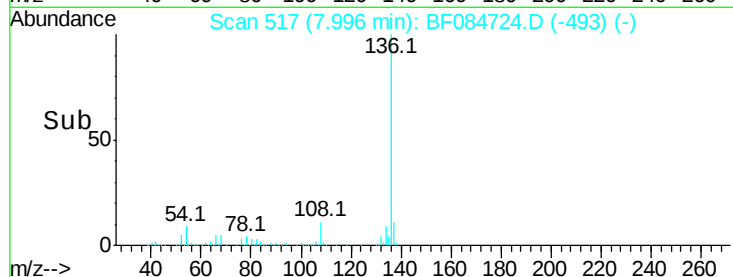
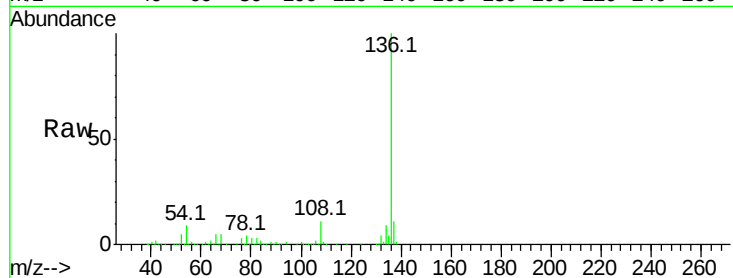
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.7 5.8 8.8

68 5.1 4.2 6.2

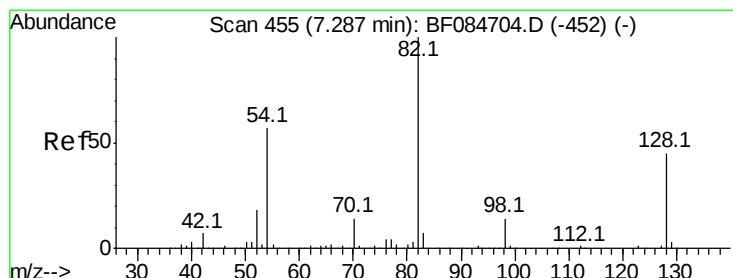
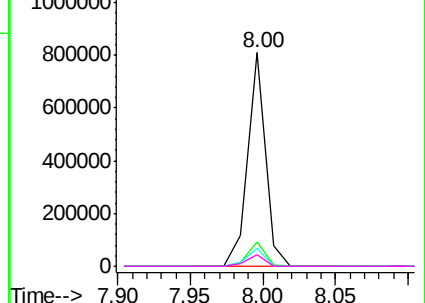


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 22.06 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

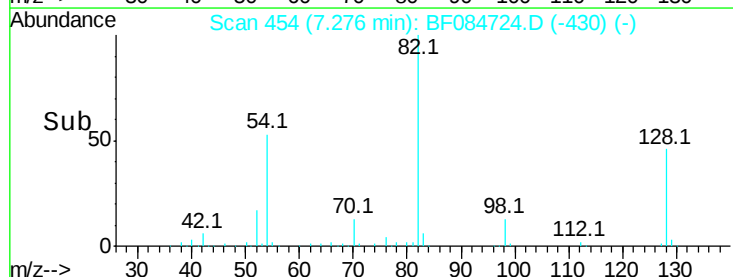
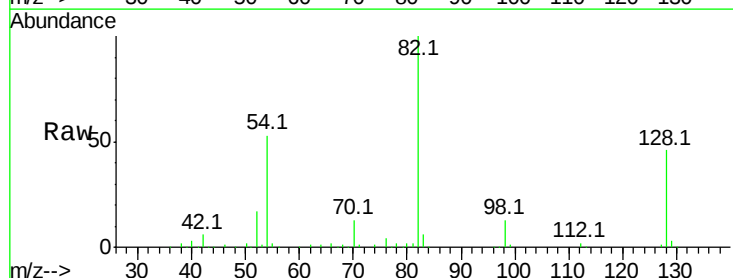
Tgt Ion: 82 Resp: 269741

Ion Ratio Lower Upper

82 100

128 46.2 34.6 51.8

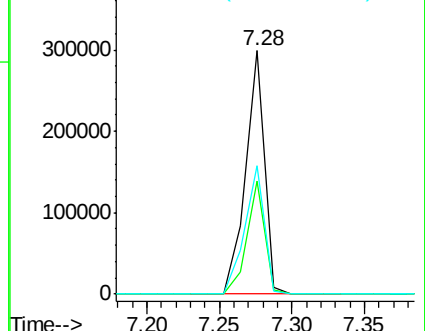
54 52.7 38.4 57.6

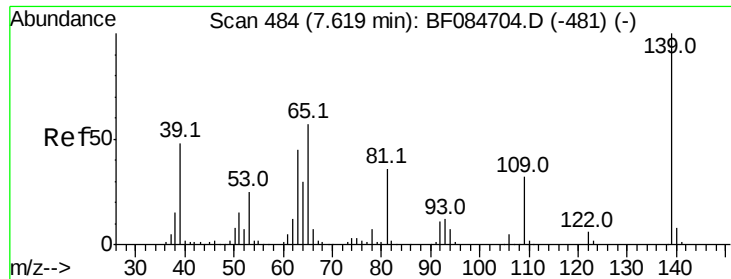


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

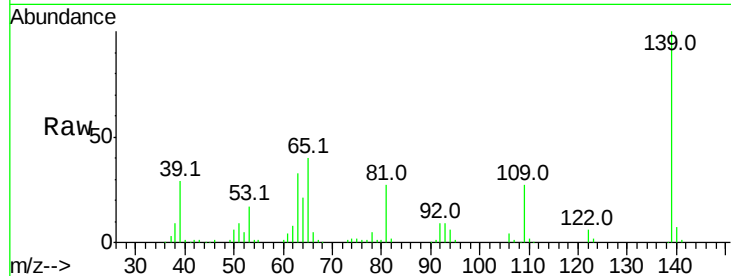




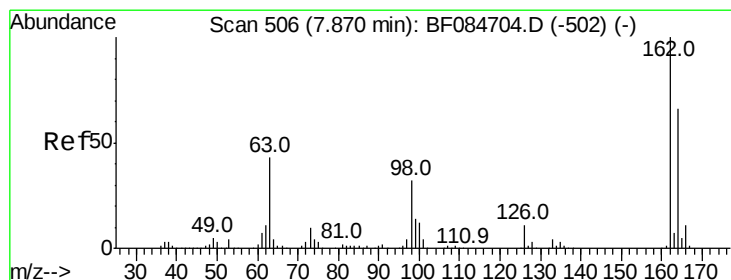
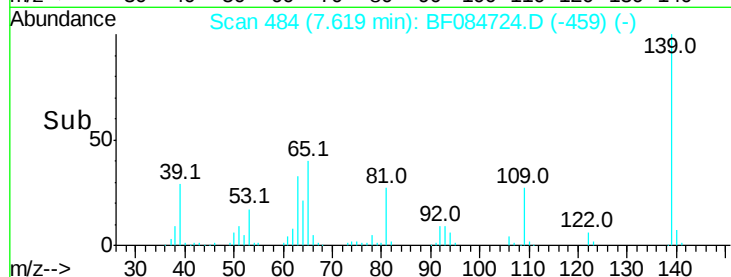
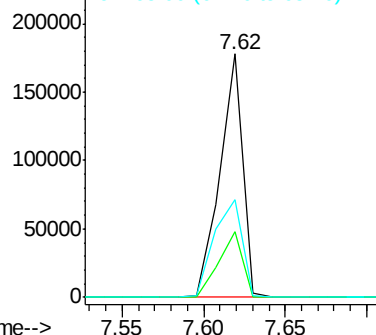
#26
2-Nitrophenol
Concen: 26.62 ng
RT: 7.62 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF084724.D
Acq: 1 Feb 2016 22:13

Instrument :
BNA_F
ClientSampleId :
9035DL

Tot Ion	Ratio	Lower	Upper
139	100		
109	27.1	25.4	38.2
65	40.2	32.3	48.5

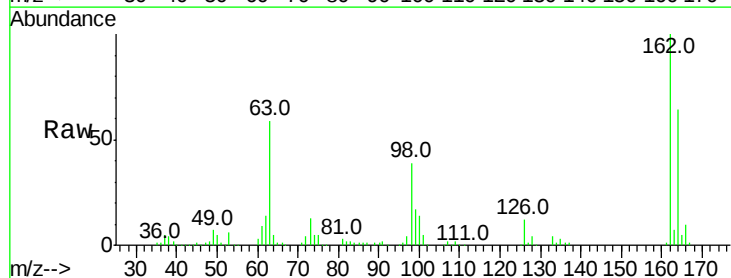


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

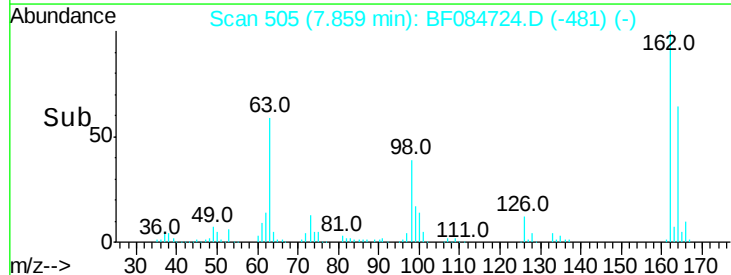
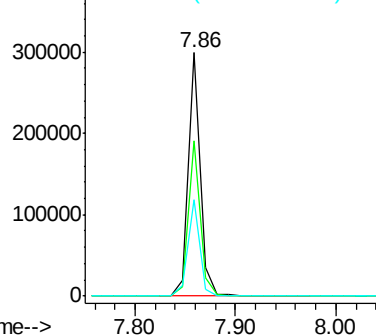


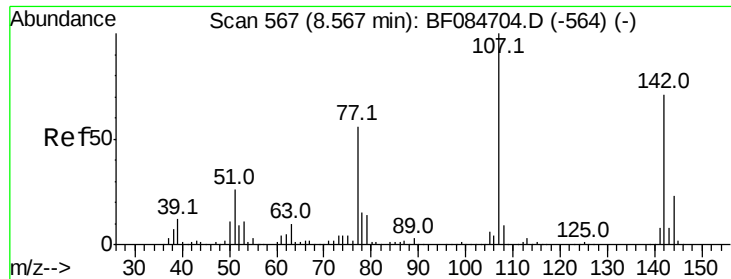
#29
2,4-Dichlorophenol
Concen: 25.80 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF084724.D
Acq: 1 Feb 2016 22:13

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.1	84.1
98	39.4	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

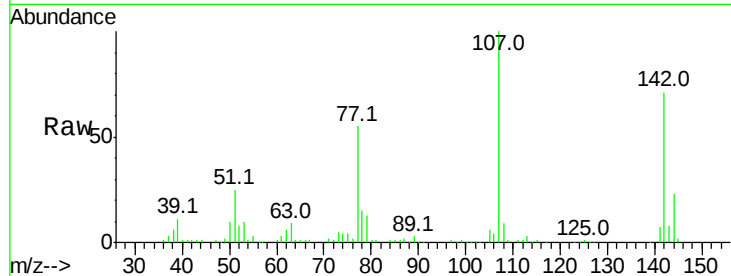




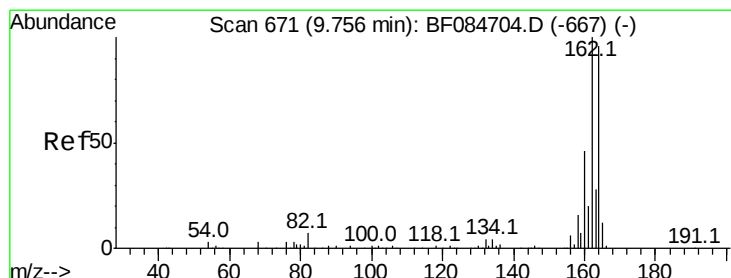
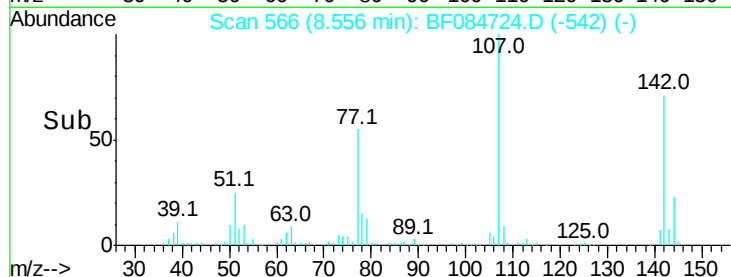
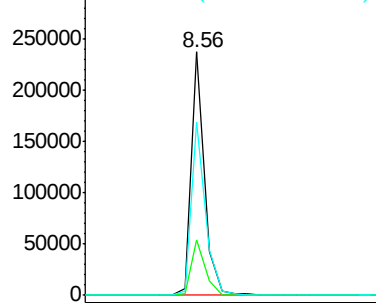
#36
 4-Chloro-3-methylphenol
 Concen: 18.63 ng
 RT: 8.56 min Scan# 566
 Delta R.T. -0.02 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Instrument :
 BNA_F
 ClientSampleID :
 9035DL

Tot Ion:107 Resp: 204262
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.7 29.5
 142 71.4 61.8 92.6

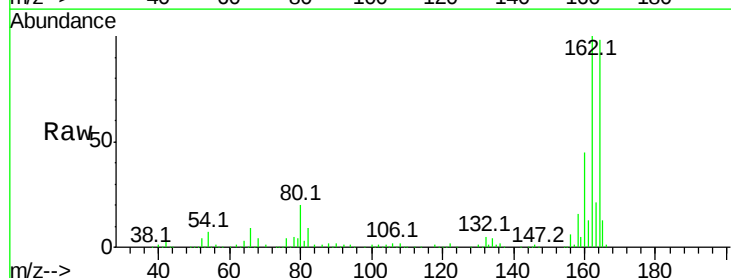


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

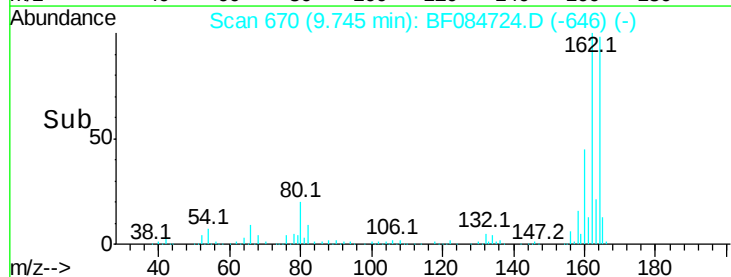
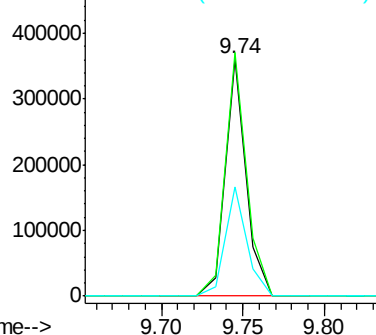


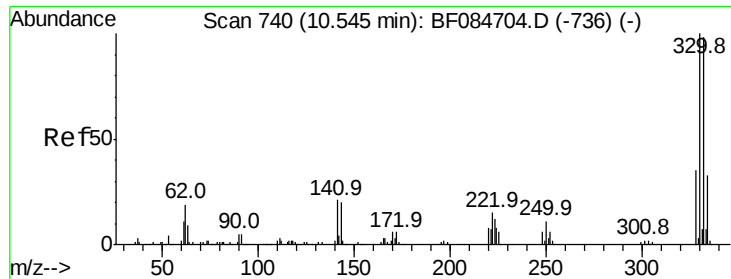
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Tgt Ion:164 Resp: 319903
 Ion Ratio Lower Upper
 164 100
 162 102.4 85.1 127.7
 160 46.1 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

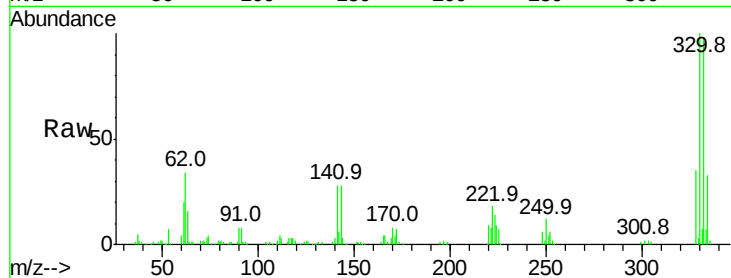




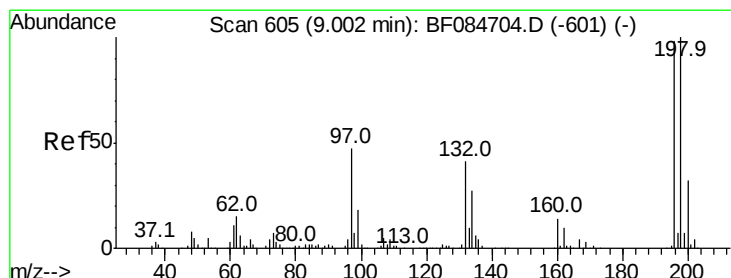
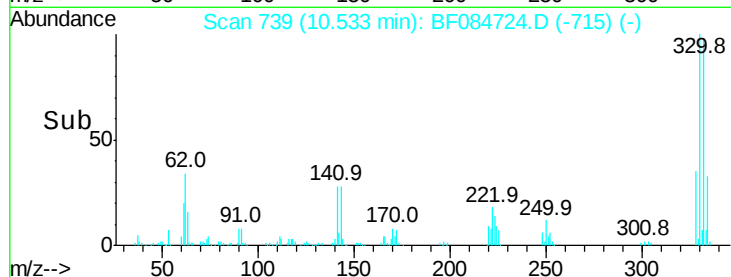
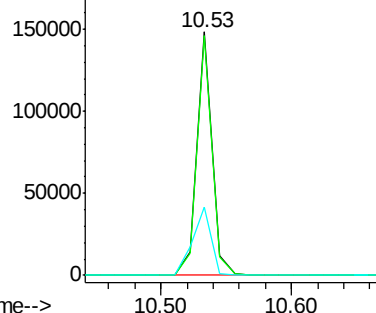
#41
 2,4,6-Tribromophenol
 Concen: 36.41 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 9035DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	34.1	27.8	41.6

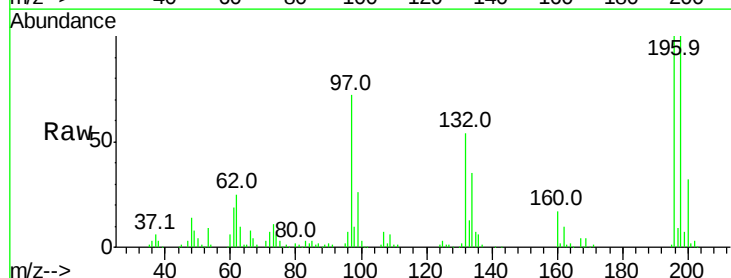


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

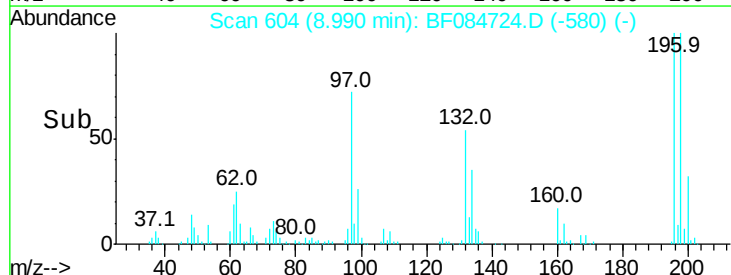
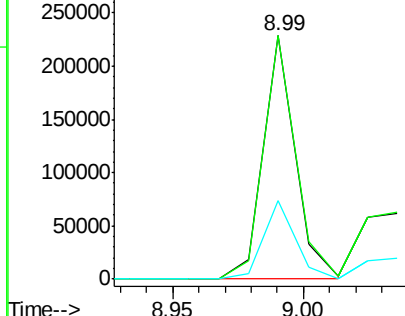


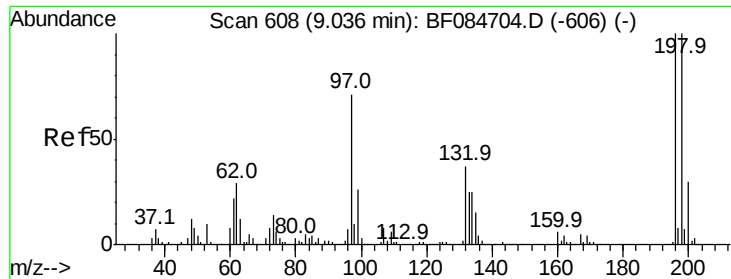
#42
 2,4,6-Trichlorophenol
 Concen: 29.57 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.8	77.7	116.5
200	32.2	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

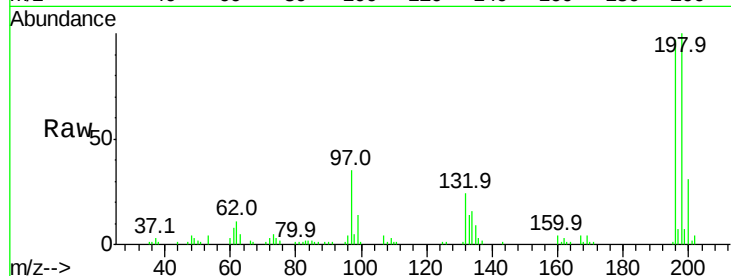




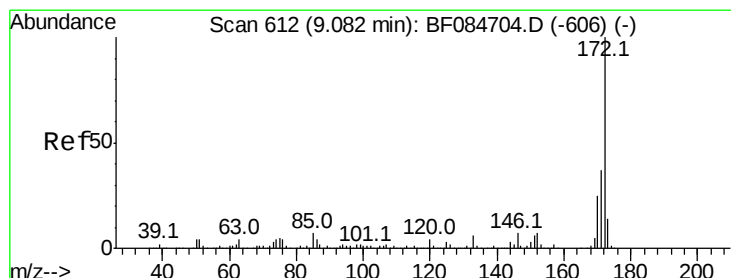
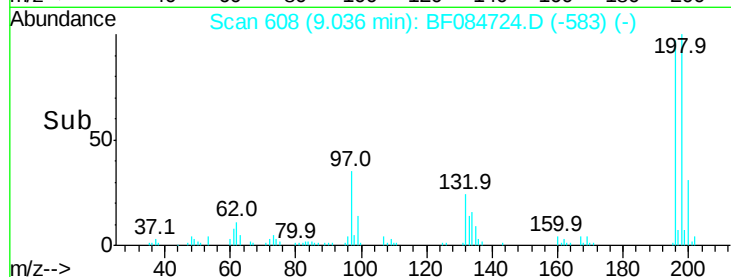
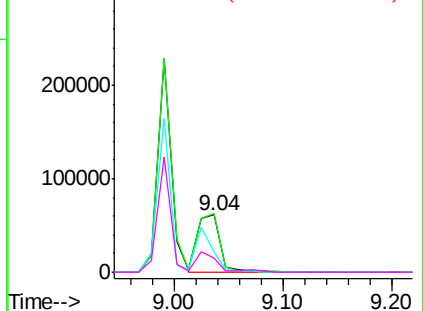
#43
 2,4,5-Trichlorophenol
 Concen: 13.44 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 9035DL

Tot Ion:	196	Resp:	89366
Ion	Ratio	Lower	Upper
196	100		
198	103.5	79.0	118.6
97	36.6	33.0	49.6
132	24.8	21.1	31.7

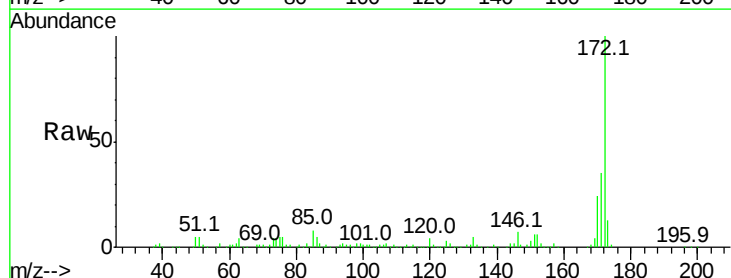


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

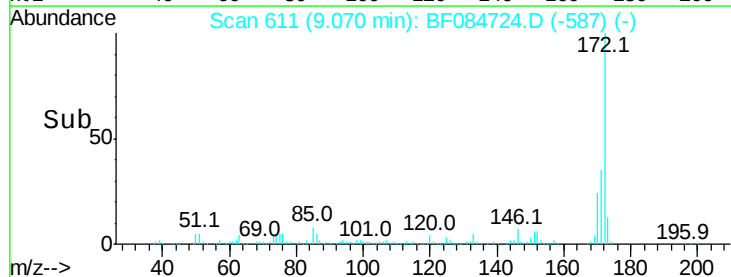
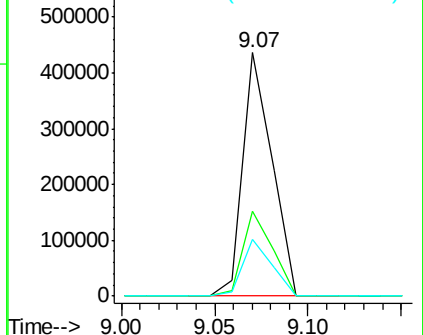


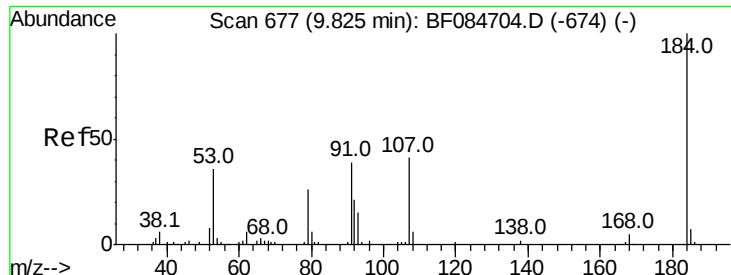
#44
 2-Fluorobiphenyl
 Concen: 19.17 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Tgt Ion:	172	Resp:	475421
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	23.6	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

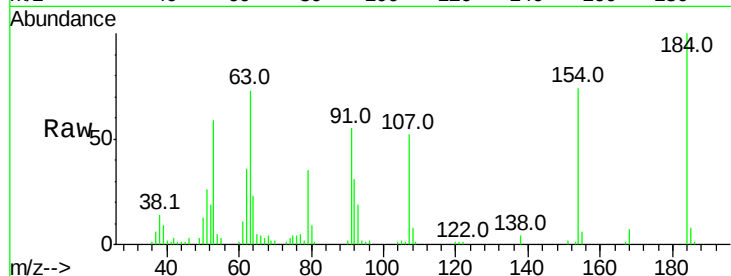




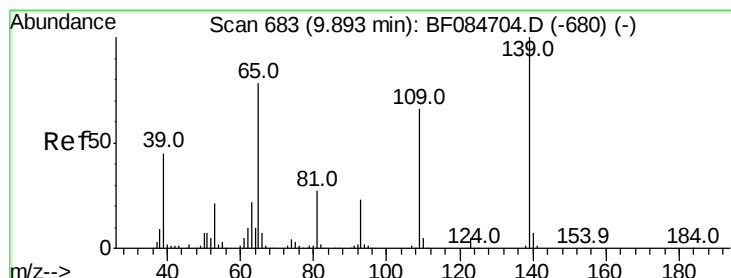
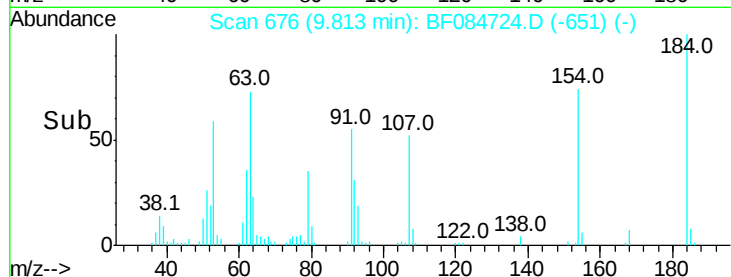
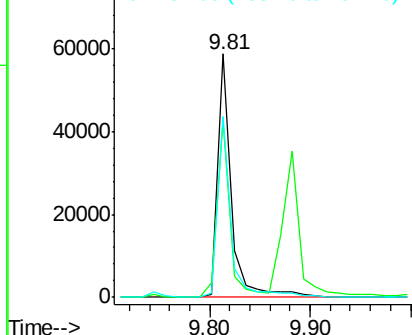
#53
 2,4-Dinitrophenol
 Concen: 26.57 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Instrument :
 BNA_F
 ClientSampled :
 9035DL

Tot Ion:184 Resp: 55010
 Ion Ratio Lower Upper
 184 100
 63 72.7 43.1 64.7#
 154 74.3 60.5 90.7

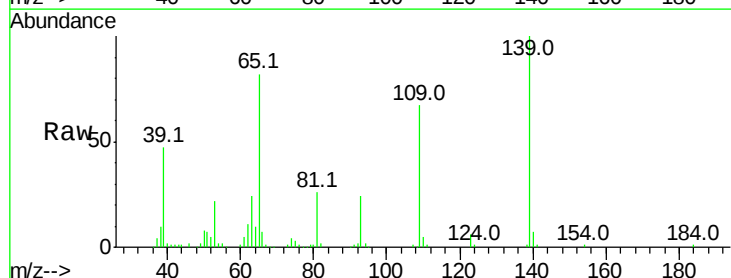


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

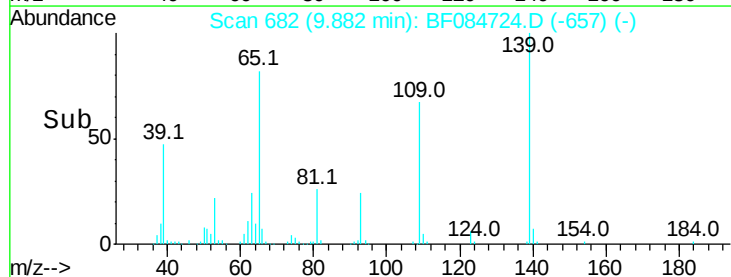
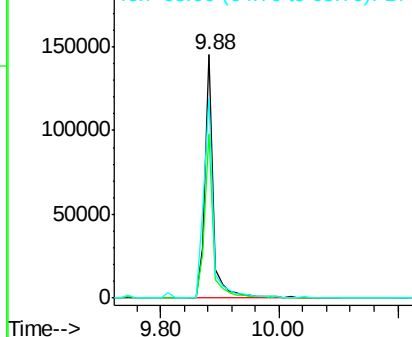


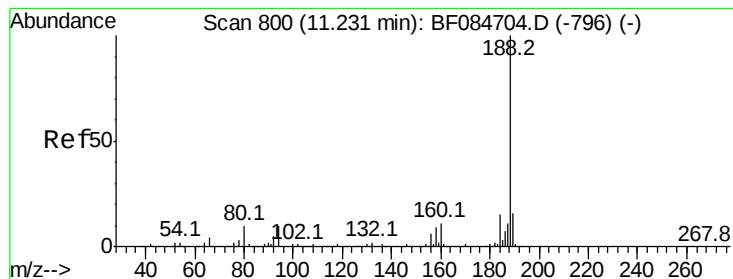
#55
 4-Nitrophenol
 Concen: 33.98 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Tgt Ion:139 Resp: 149363
 Ion Ratio Lower Upper
 139 100
 109 67.3 58.5 98.5
 65 82.0 57.6 97.6



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: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Instrument :

BNA_F

ClientSampleId :

9035DL

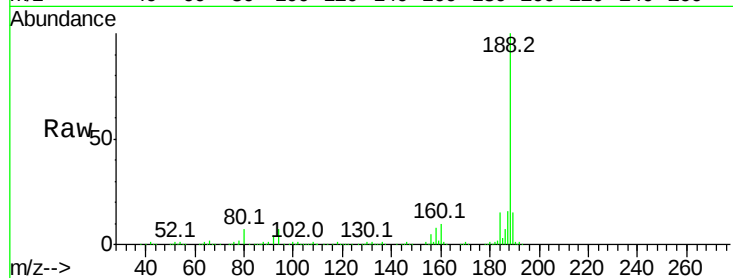
Tot Ion:188 Resp: 631361

Ion Ratio Lower Upper

188 100

94 6.5 9.0 13.4#

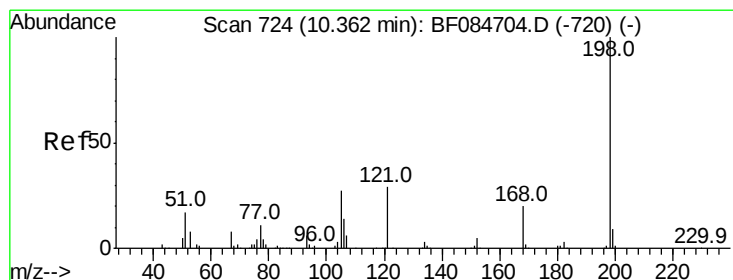
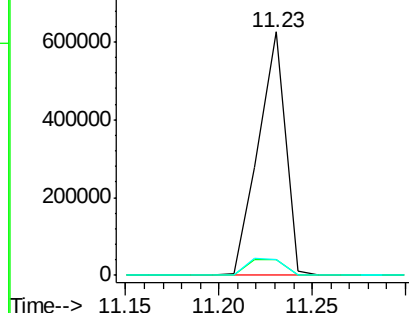
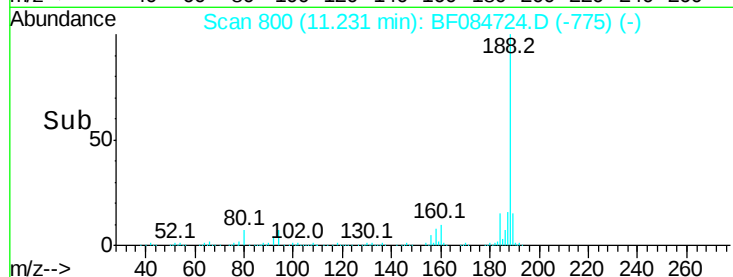
80 6.5 9.6 14.4#



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: 10.42 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

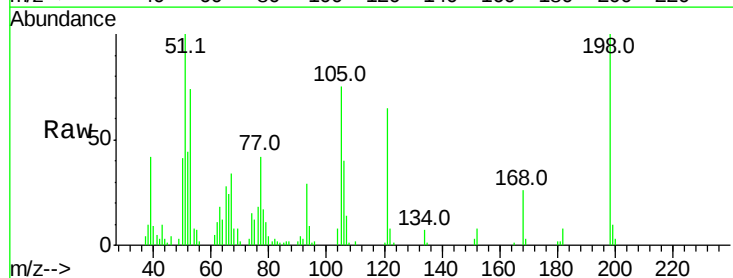
Tgt Ion:198 Resp: 40608

Ion Ratio Lower Upper

198 100

51 99.7 18.9 58.9#

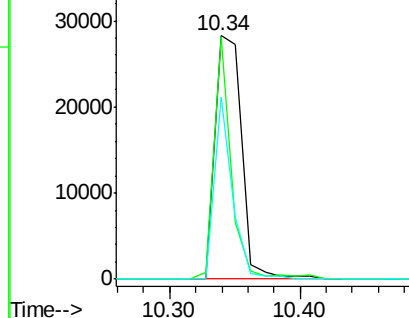
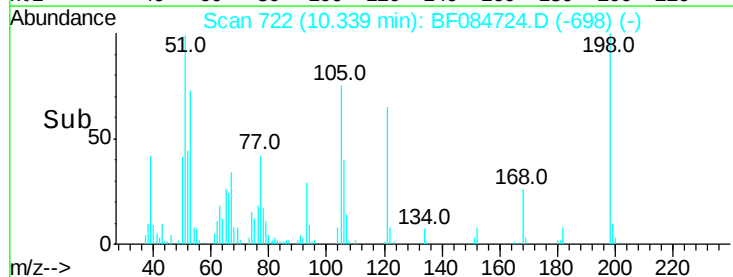
105 74.6 26.4 66.4#

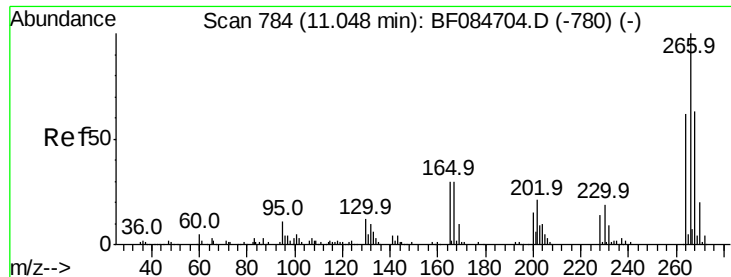


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

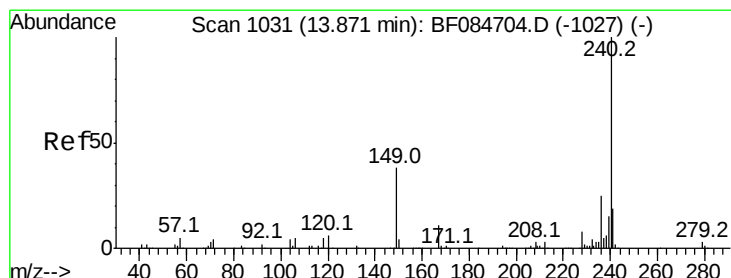
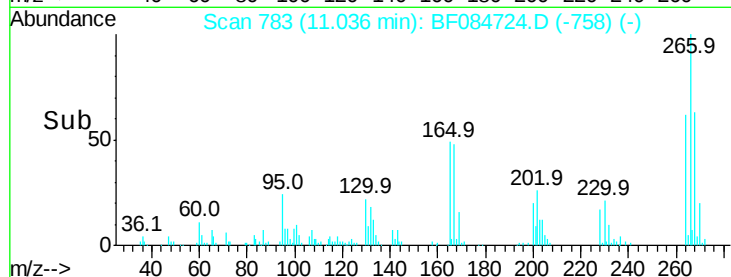
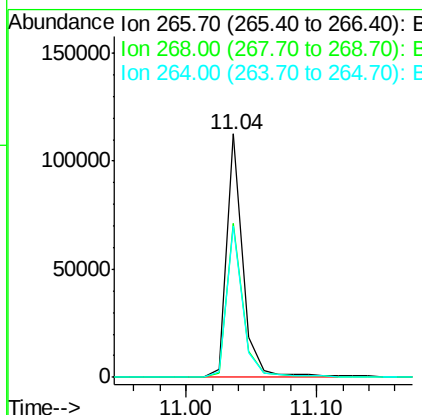
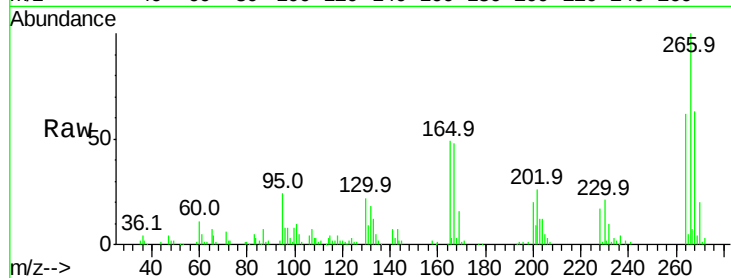




#69
 Pentachlorophenol
 Concen: 27.57 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

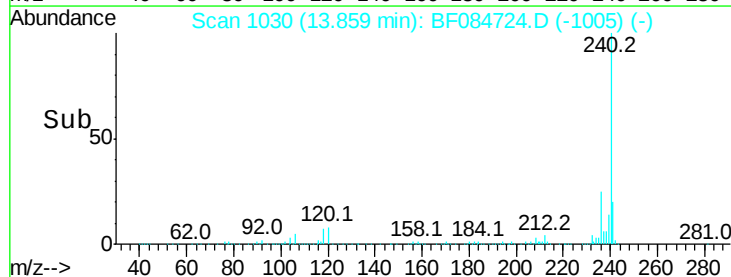
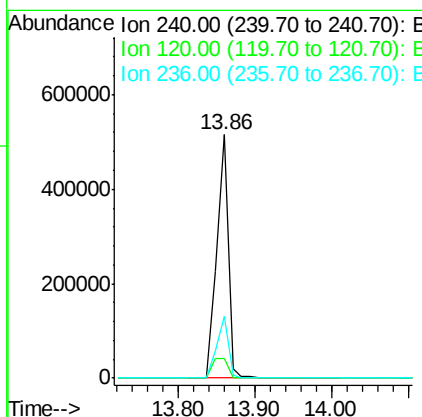
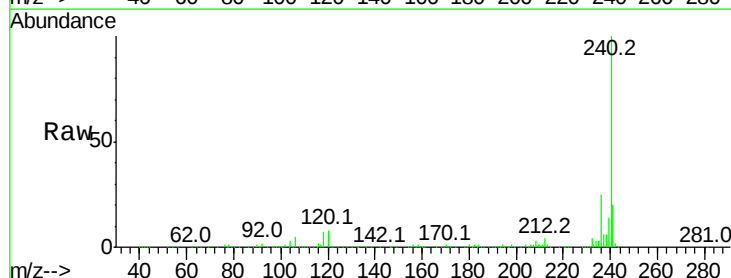
Instrument :
 BNA_F
 ClientSampleId :
 9035DL

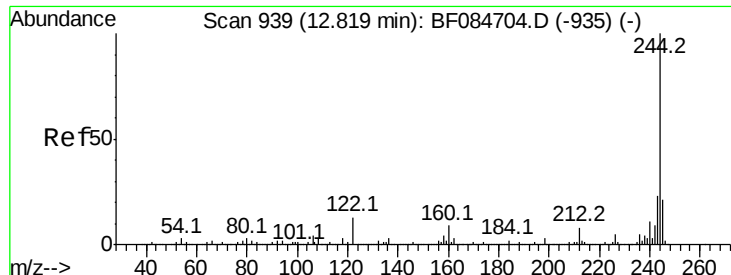
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.1	52.4	78.6
264	62.4	50.2	75.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF084724.D
 Acq: 1 Feb 2016 22:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.8	9.5	14.3#
236	25.5	20.6	31.0





#78

Terphenyl-d14

Concen: 22.07 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

Instrument :

BNA_F

ClientSampleId :

9035DL

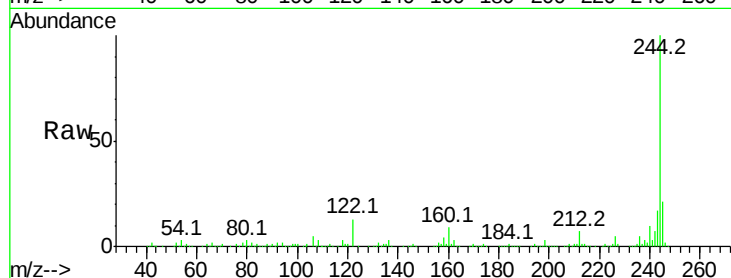
Tot Ion:244 Resp: 518699

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

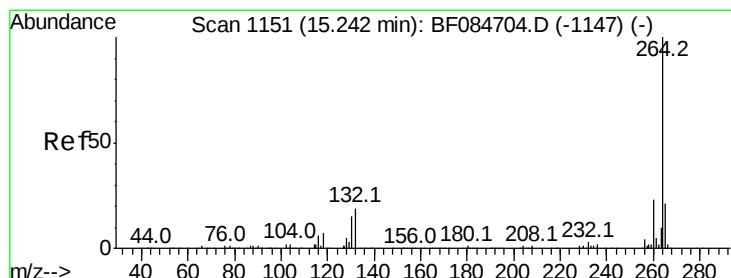
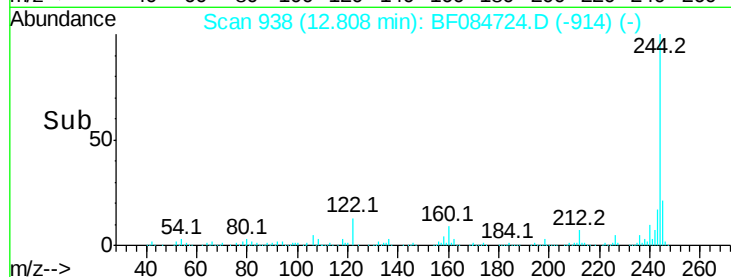
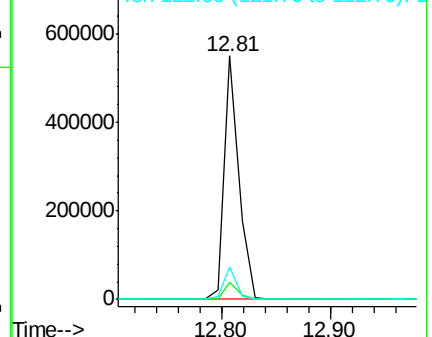
122 13.5 7.4 11.0#



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: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF084724.D

Acq: 1 Feb 2016 22:13

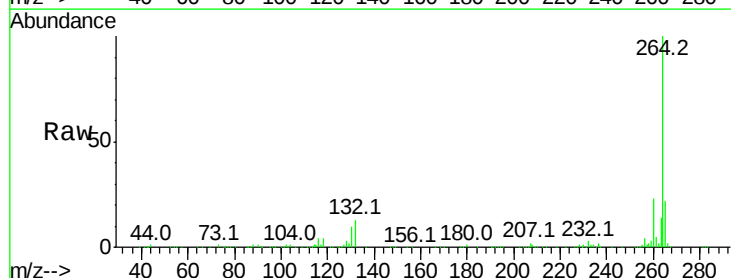
Tgt Ion:264 Resp: 369156

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.8 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

