

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092427.D
 Acq On : 24 Jan 2017 14:23
 Operator : UM/SJ
 Sample : I1305-22DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Quant Time: Jan 24 14:57:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

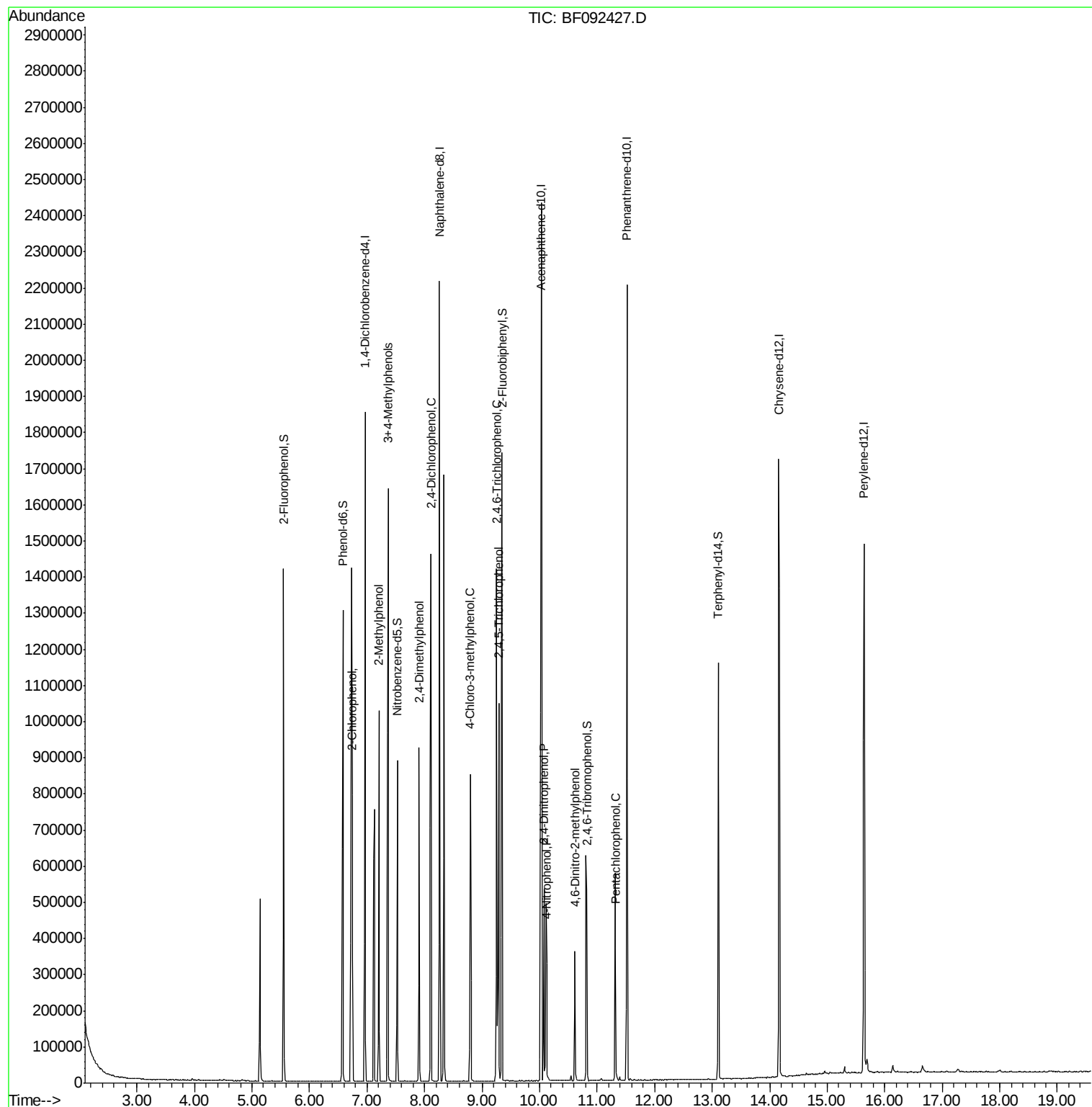
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	254088	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	967995	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	572765	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	866648	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	818889	20.00	ng	-0.01
86) Perylene-d12	15.64	264	706204	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	346746	21.23	ng	0.00
7) Phenol-d6	6.58	99	471999	22.69	ng	-0.01
23) Nitrobenzene-d5	7.53	82	255987	14.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	87302	22.37	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	513655	16.58	ng	-0.01
78) Terphenyl-d14	13.11	244	465390	15.13	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	6.74	128	188678	11.00	ng	86
17) 2-Methylphenol	7.21	107	159523	10.88	ng	97
20) 3+4-Methylphenols	7.37	107	503030	28.29	ng	# 63
27) 2,4-Dimethylphenol	7.90	122	153616	9.49	ng	97
29) 2,4-Dichlorophenol	8.11	162	317209	22.61	ng	95
36) 4-Chloro-3-methylphenol	8.80	107	179880	11.89	ng	91
42) 2,4,6-Trichlorophenol	9.25	196	202860	18.33	ng	90
43) 2,4,5-Trichlorophenol	9.29	196	132563	13.09	ng	# 89
53) 2,4-Dinitrophenol	10.08	184	58573	22.89	ng	# 76
55) 4-Nitrophenol	10.12	139	93499	12.63	ng	# 66
64) 4,6-Dinitro-2-methylphenol	10.61	198	59386	16.36	ng	92
69) Pentachlorophenol	11.32	266	77009	13.62	ng	97

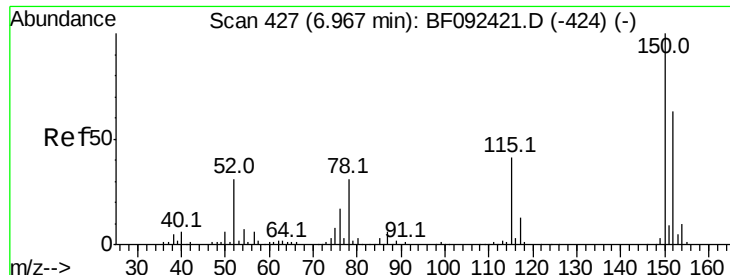
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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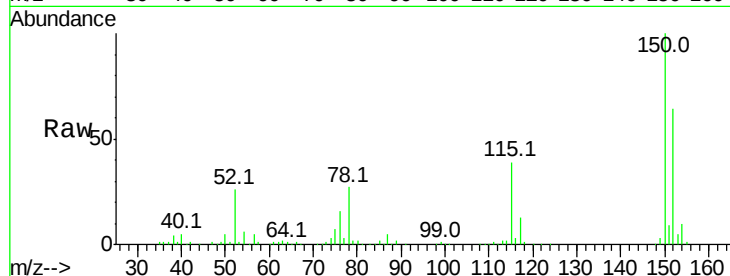


#1

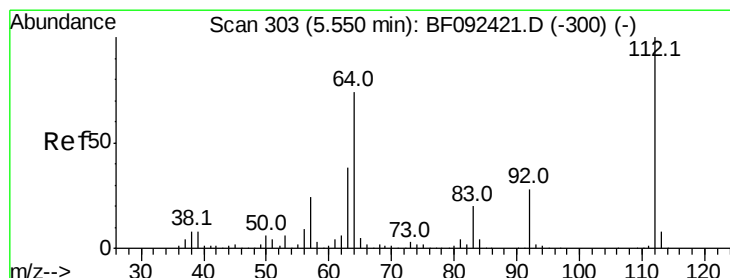
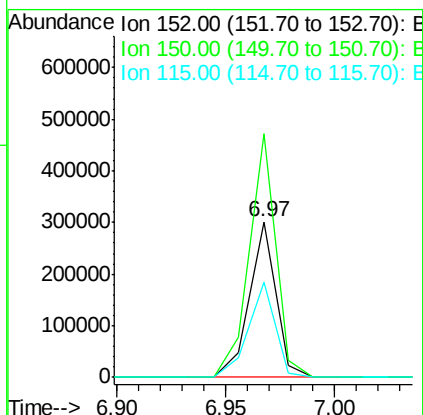
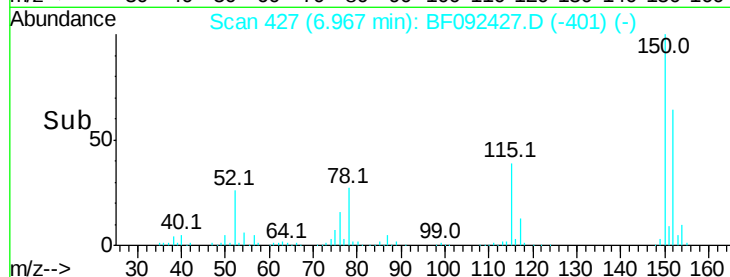
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Instrument :
BNA_F
ClientSampleId :
0035DL

Tot Ion:152 Resp: 254088
Ion Ratio Lower Upper
152 100
150 156.8 124.9 187.3
115 61.4 46.0 69.0



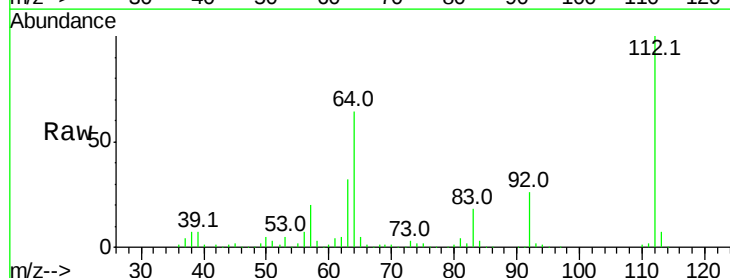
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



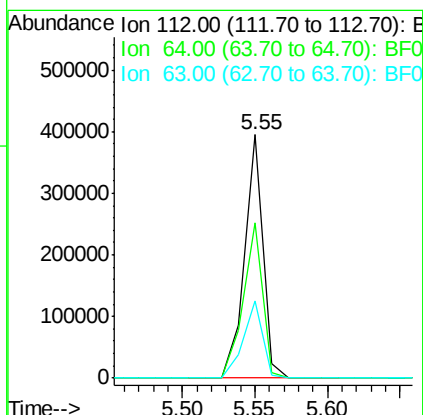
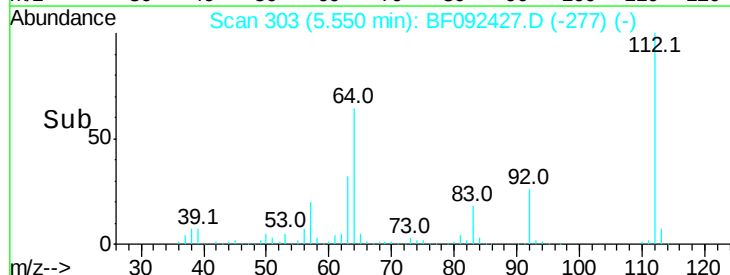
#5

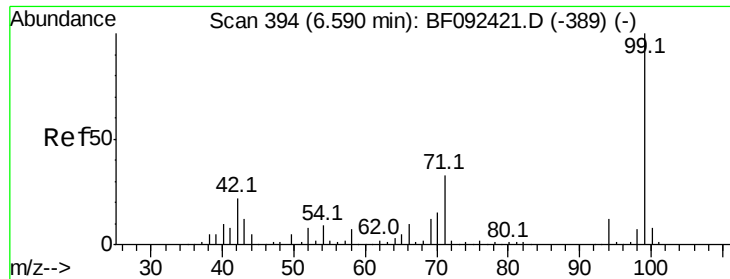
2-Fluorophenol
Concen: 21.23 ng
RT: 5.55 min Scan# 303
Delta R.T. -0.00 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Tgt Ion:112 Resp: 346746
Ion Ratio Lower Upper
112 100
64 64.0 46.1 69.1
63 31.9 23.8 35.6



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: 22.69 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092427.D

Acq: 24 Jan 2017 14:23

Instrument :

BNA_F

ClientSampleId :

0035DL

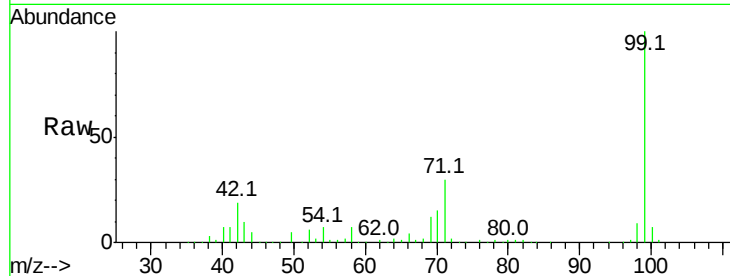
Tot Ion: 99 Resp: 471999

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

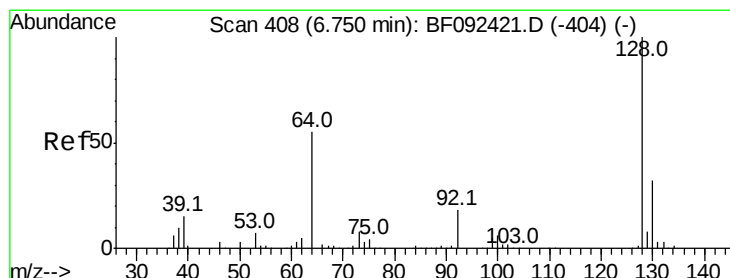
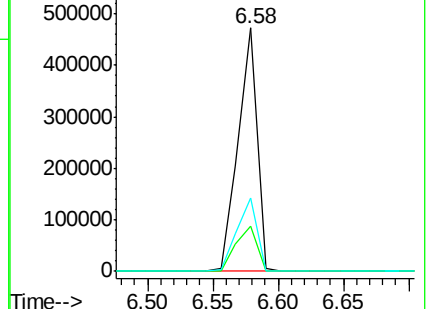
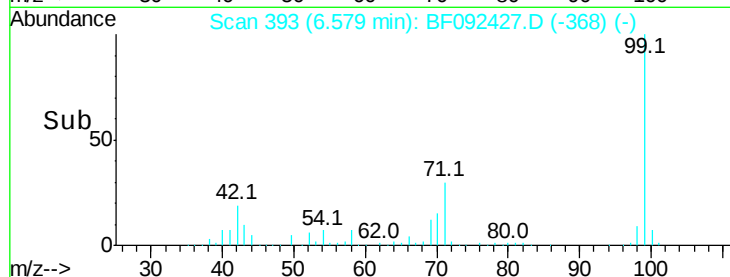
71 30.2 27.5 41.3



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: 11.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF092427.D

Acq: 24 Jan 2017 14:23

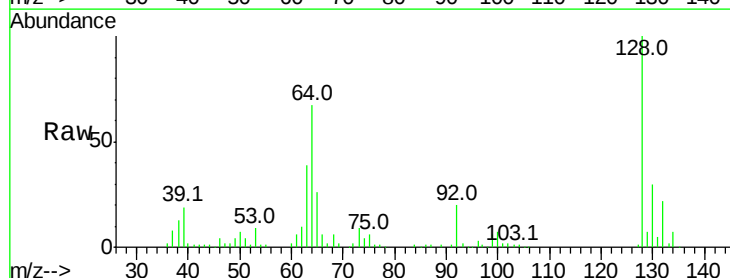
Tgt Ion: 128 Resp: 188678

Ion Ratio Lower Upper

128 100

130 30.3 12.3 52.3

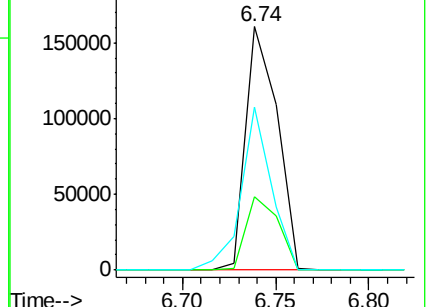
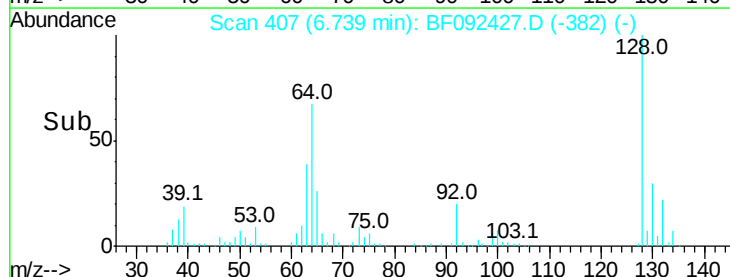
64 67.1 32.2 72.2

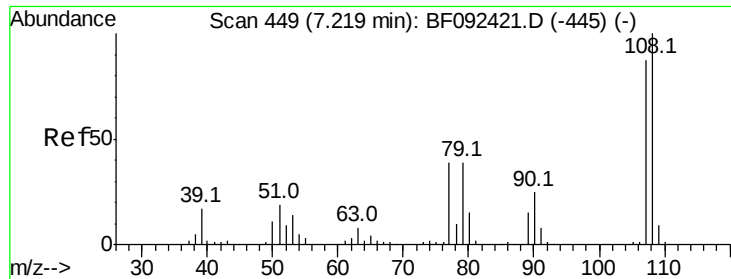


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

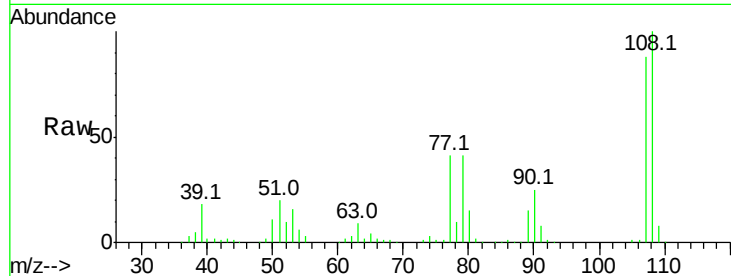




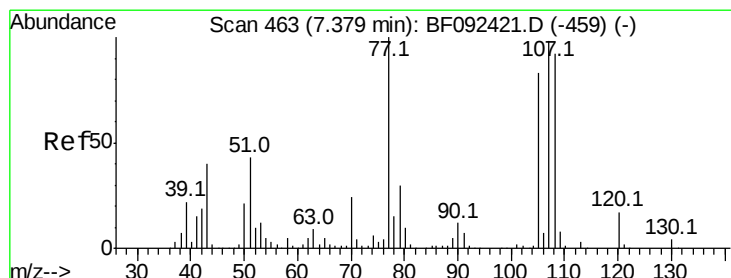
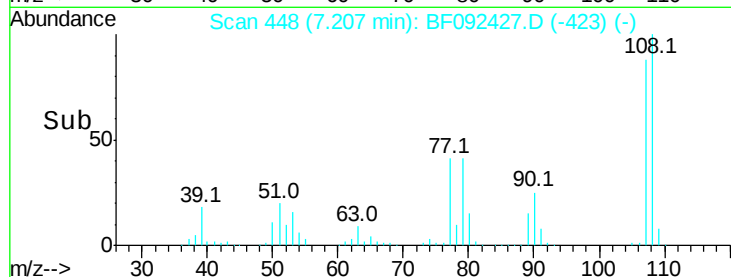
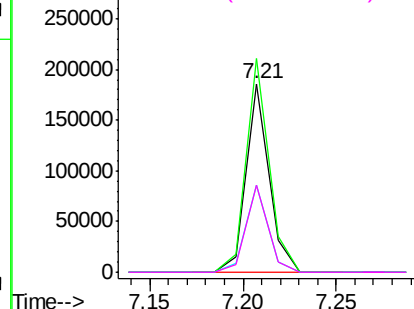
#17
2-Methylphenol
Concen: 10.88 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.01 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Instrument :
BNA_F
ClientSampleId :
0035DL

Tot Ion:107 Resp: 159523
Ion Ratio Lower Upper
107 100
108 113.4 93.0 139.6
77 46.1 39.8 59.8
79 46.0 38.0 57.0

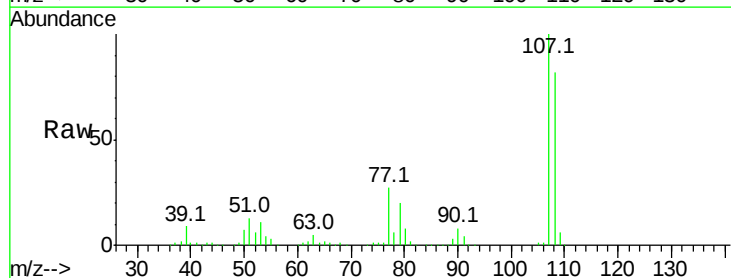


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

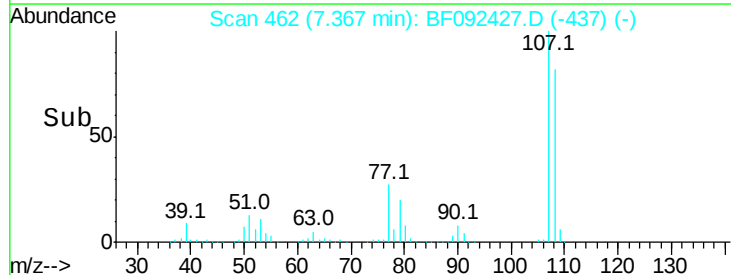
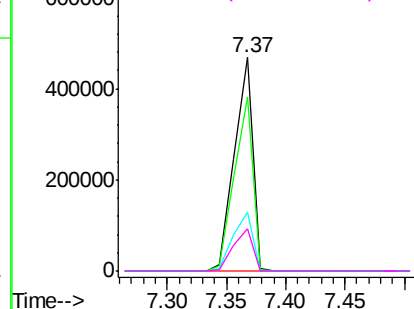


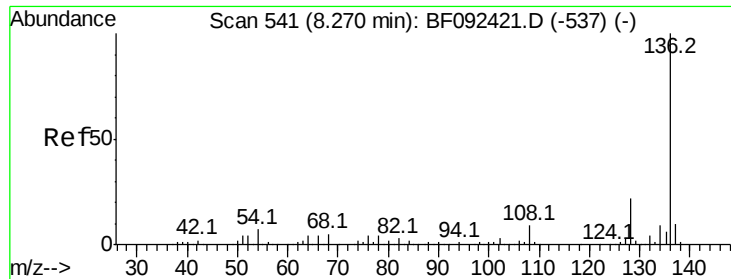
#20
3+4-Methylphenols
Concen: 28.29 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Tgt Ion:107 Resp: 503030
Ion Ratio Lower Upper
107 100
108 81.8 73.0 113.0
77 27.4 71.3 111.3#
79 19.9 11.1 51.1



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

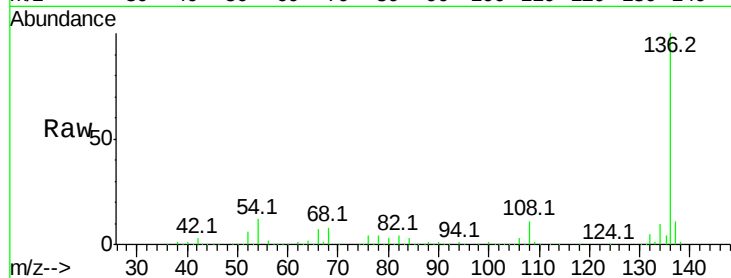




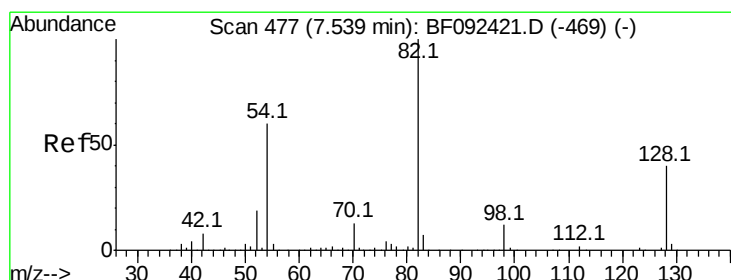
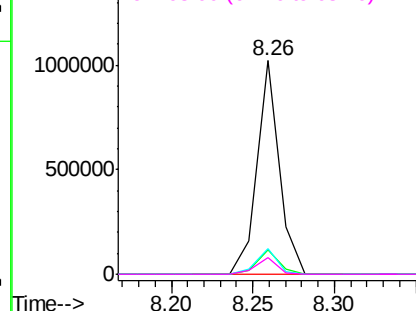
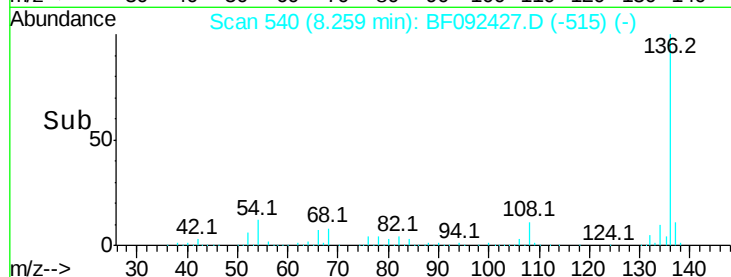
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Instrument :
BNA_F
ClientSampleId :
0035DL

Tot Ion:	136	Resp:	967995
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	12.0	4.5	6.7#
68	8.1	3.6	5.4#

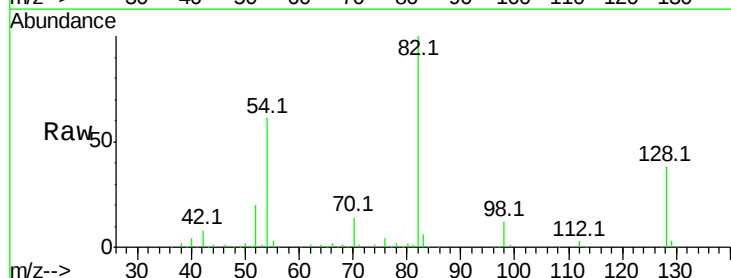


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

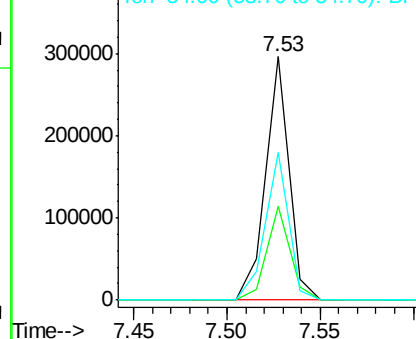
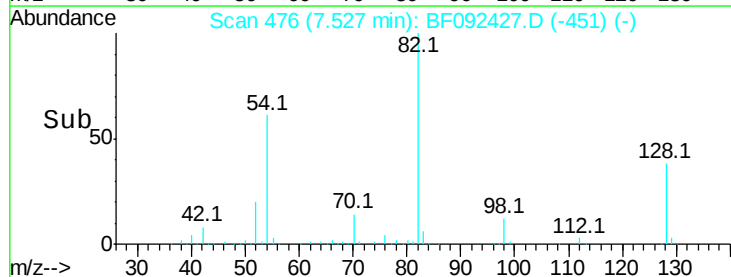


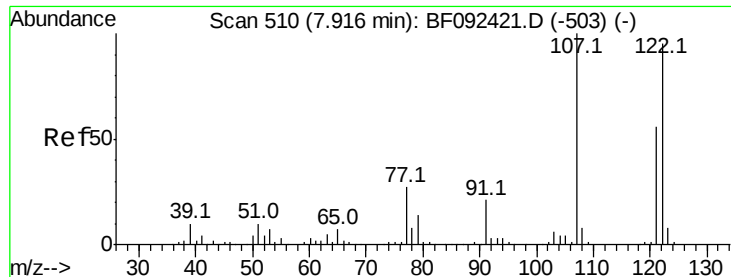
#23
Nitrobenzene-d5
Concen: 14.45 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Tgt Ion:	82	Resp:	255987
Ion	Ratio	Lower	Upper
82	100		
128	38.3	34.6	52.0
54	60.5	39.5	59.3#



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

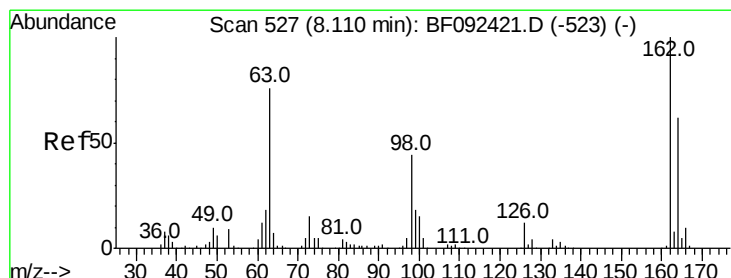
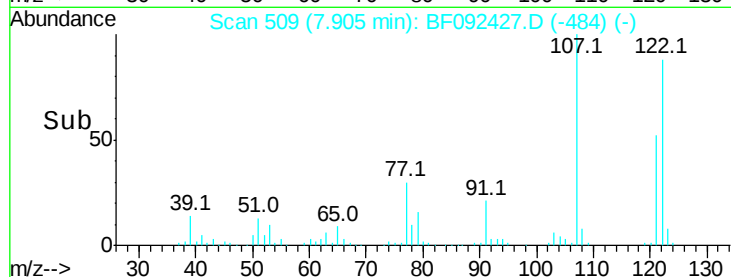
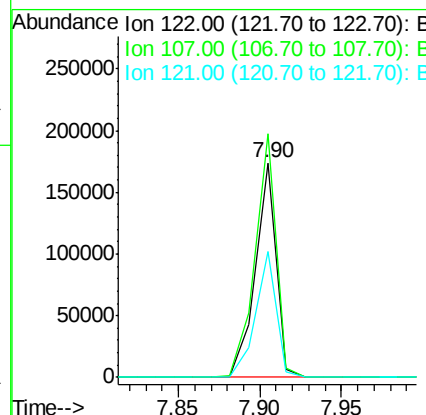
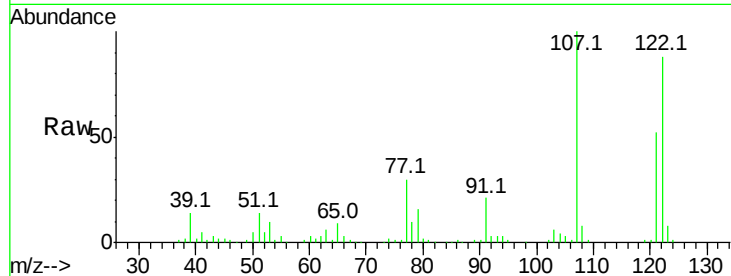




#27
2,4-Dimethylphenol
Concen: 9.49 ng
RT: 7.90 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

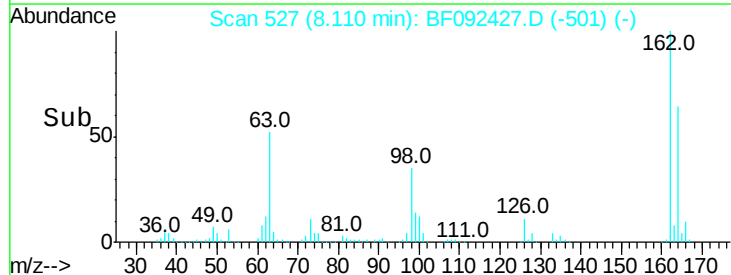
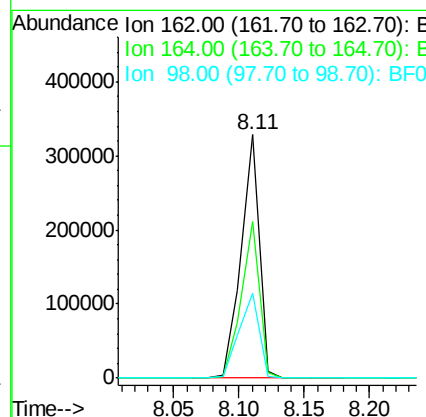
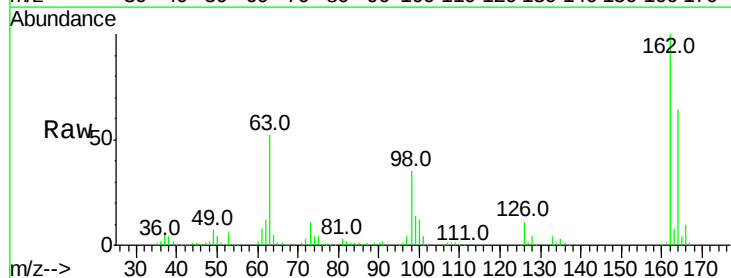
Instrument :
BNA_F
ClientSampled :
0035DL

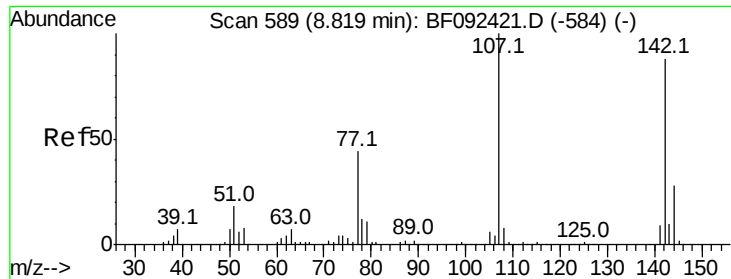
Tot Ion:122 Resp: 153616
Ion Ratio Lower Upper
122 100
107 113.6 94.1 141.1
121 58.6 46.0 69.0



#29
2,4-Dichlorophenol
Concen: 22.61 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092427.D
Acq: 24 Jan 2017 14:23

Tgt Ion:162 Resp: 317209
Ion Ratio Lower Upper
162 100
164 64.3 46.8 86.8
98 34.9 9.1 49.1

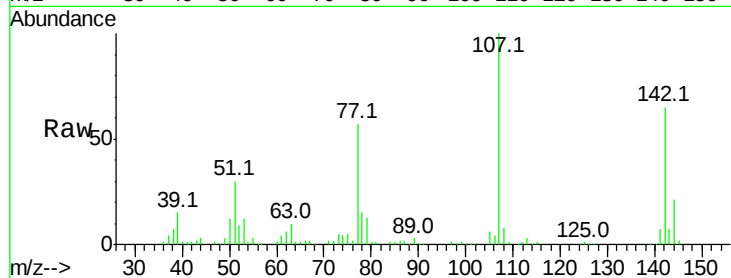




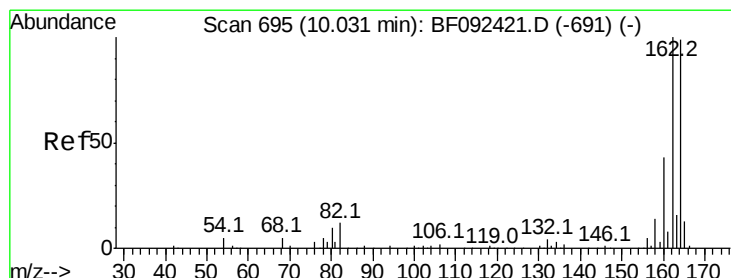
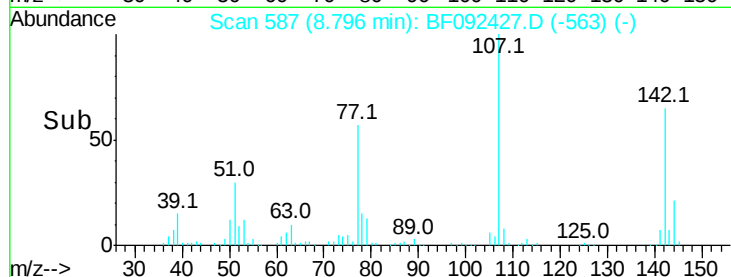
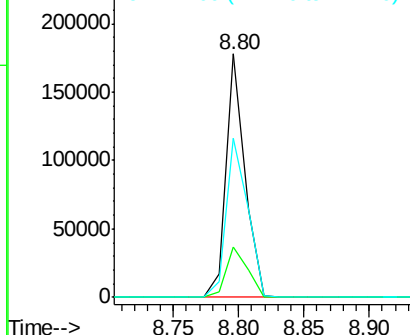
#36
 4-Chloro-3-methylphenol
 Concen: 11.89 ng
 RT: 8.80 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleID :
 0035DL

Tot Ion:107 Resp: 179880
 Ion Ratio Lower Upper
 107 100
 144 20.9 19.3 28.9
 142 65.1 59.0 88.6

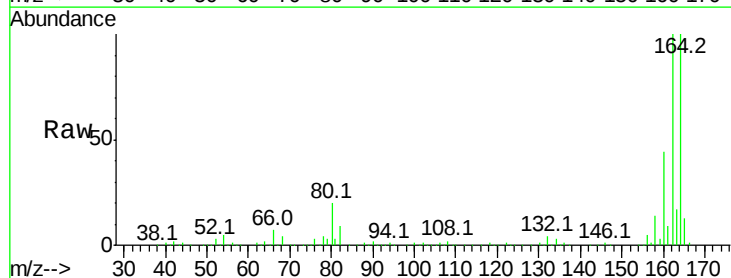


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

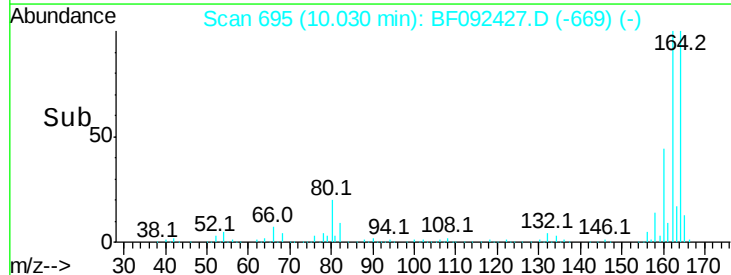
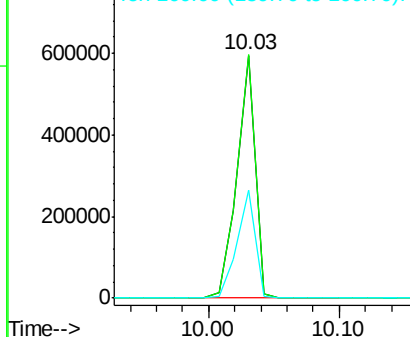


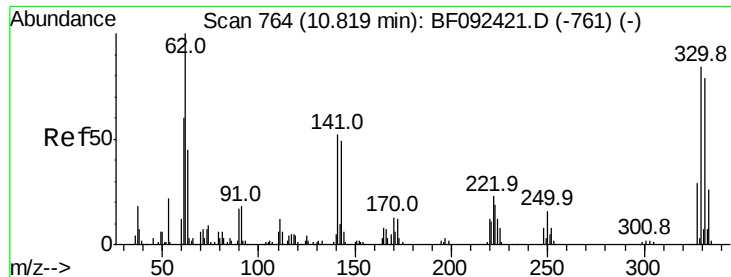
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion:164 Resp: 572765
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.2 120.2
 160 44.4 36.9 55.3



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: 22.37 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092427.D

Acq: 24 Jan 2017 14:23

Instrument :

BNA_F

ClientSampleId :

0035DL

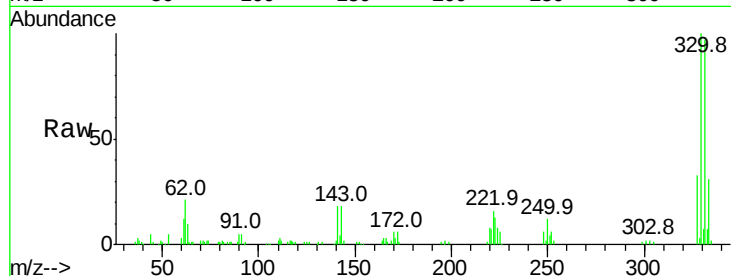
Tot Ion:330 Resp: 87302

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

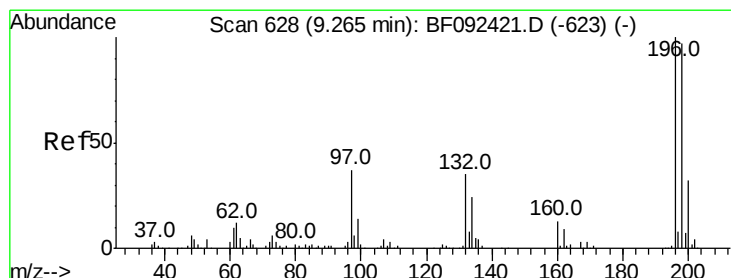
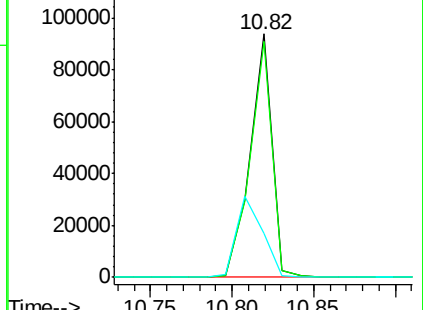
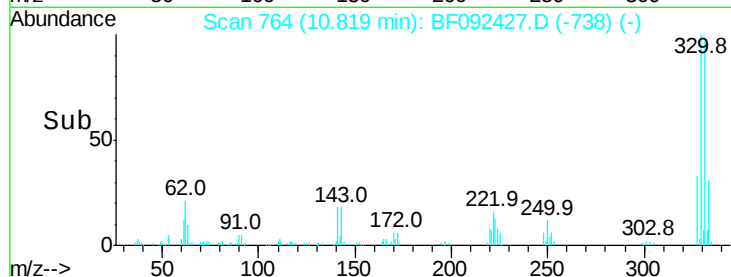
141 39.7 34.1 51.1



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: 18.33 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF092427.D

Acq: 24 Jan 2017 14:23

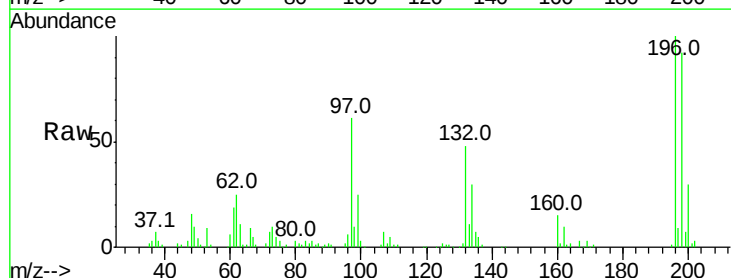
Tgt Ion:196 Resp: 202860

Ion Ratio Lower Upper

196 100

198 91.9 82.1 123.1

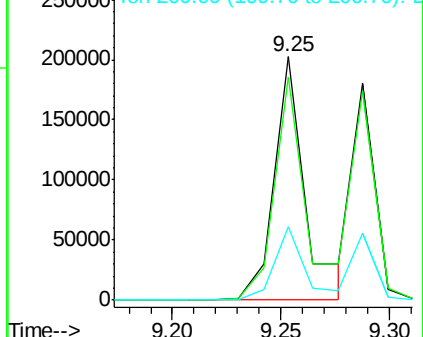
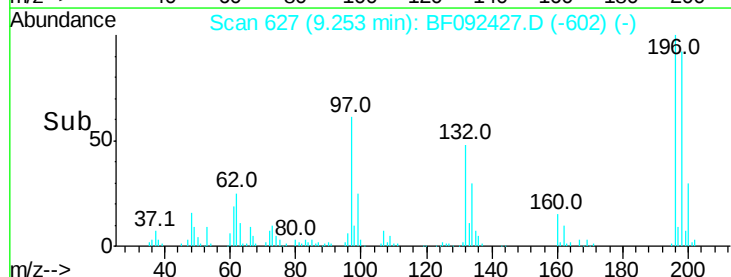
200 30.1 27.0 40.4

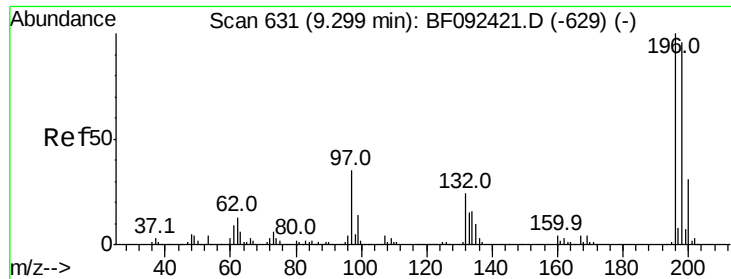


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

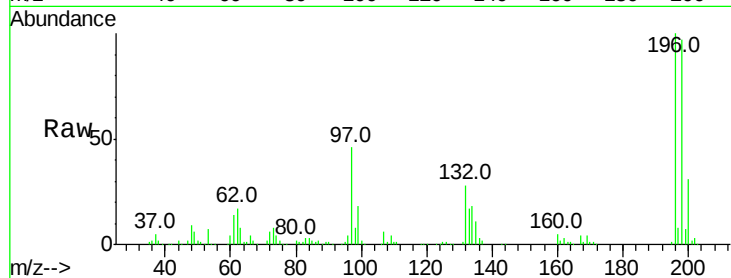




#43
 2,4,5-Trichlorophenol
 Concen: 13.09 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.6	79.4	119.2
97	46.1	51.5	77.3
132	28.4	27.4	41.2



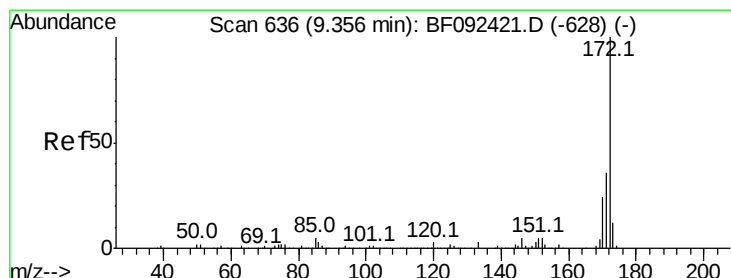
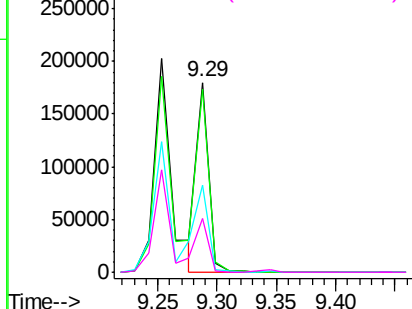
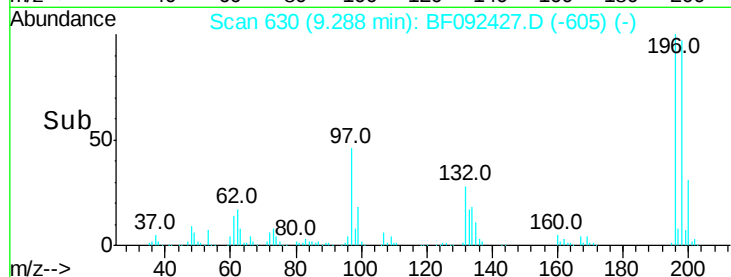
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

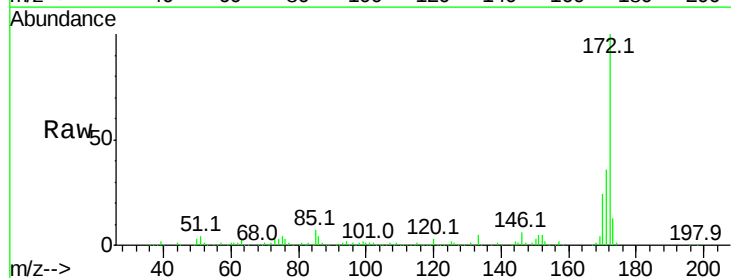
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 16.58 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.1	20.2	30.4

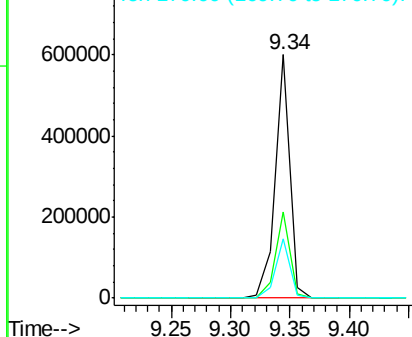
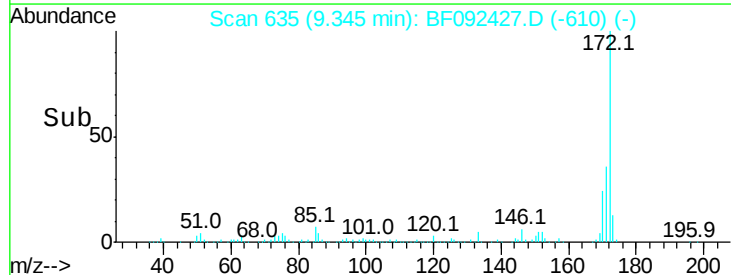


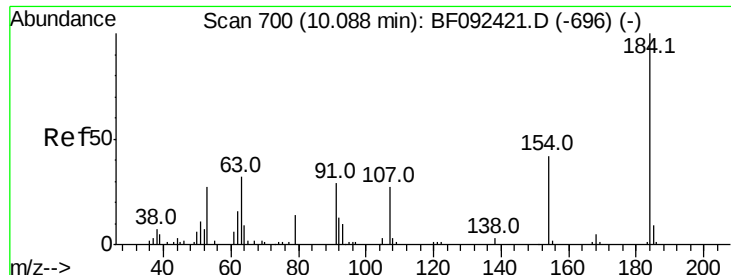
Abundance

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

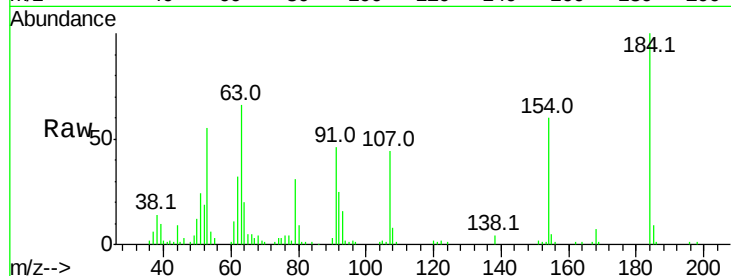




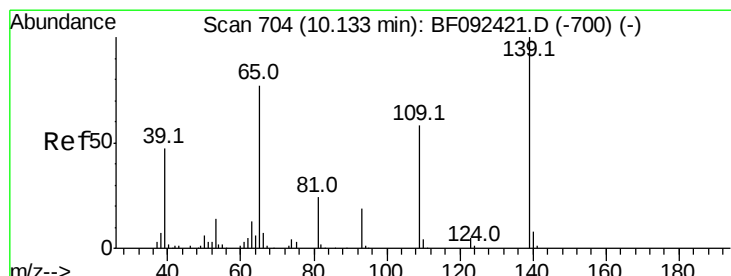
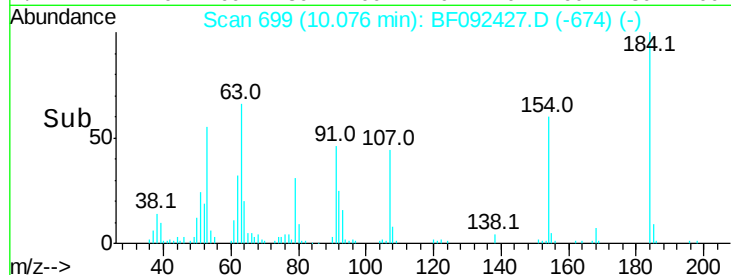
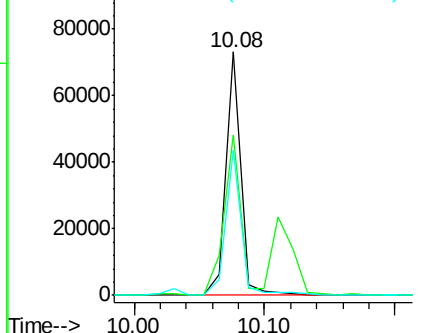
#53
 2,4-Dinitrophenol
 Concen: 22.89 ng
 RT: 10.08 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion:184 Resp: 58573
 Ion Ratio Lower Upper
 184 100
 63 65.9 28.4 42.6#
 154 59.5 44.3 66.5

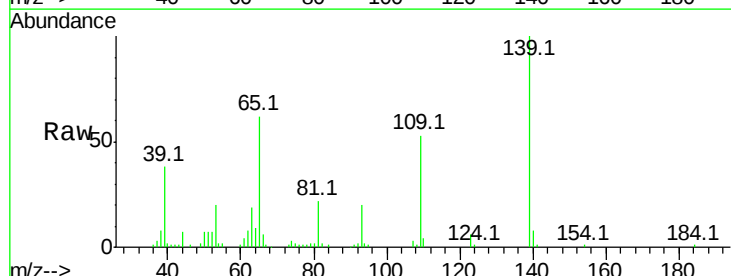


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

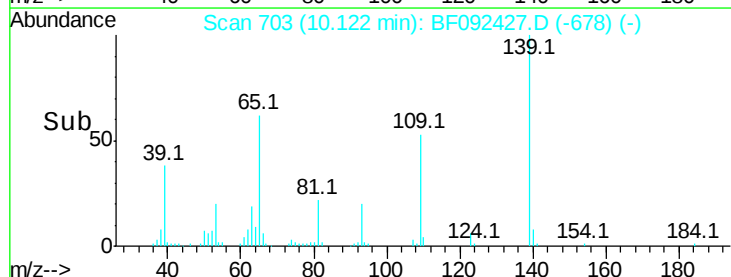
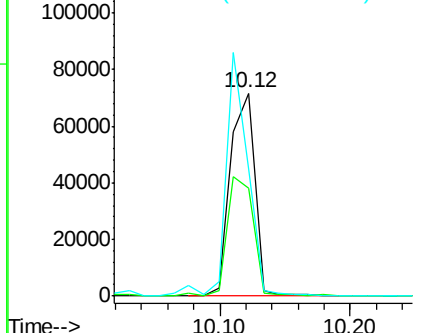


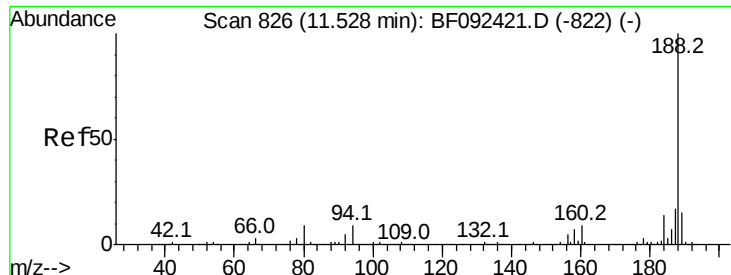
#55
 4-Nitrophenol
 Concen: 12.63 ng
 RT: 10.12 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion:139 Resp: 93499
 Ion Ratio Lower Upper
 139 100
 109 53.3 52.2 92.2
 65 62.4 85.8 125.8#



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

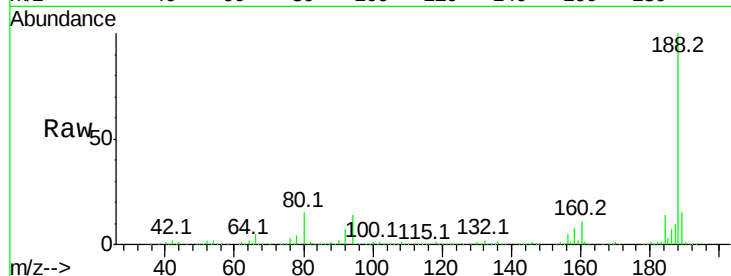




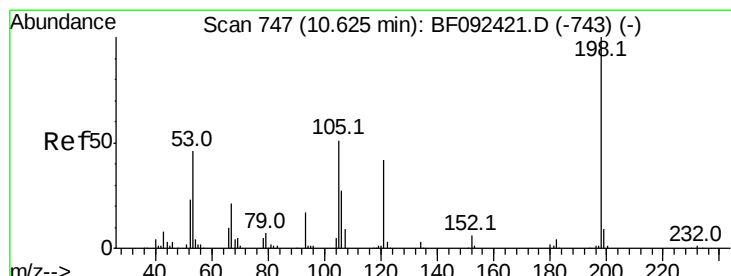
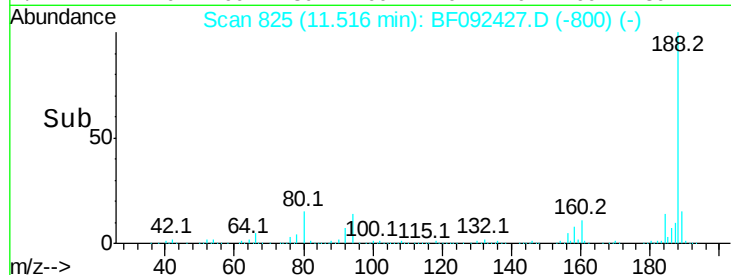
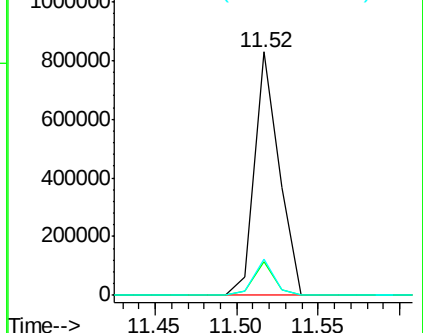
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion:188 Resp: 866648
 Ion Ratio Lower Upper
 188 100
 94 13.7 10.0 15.0
 80 14.9 11.2 16.8

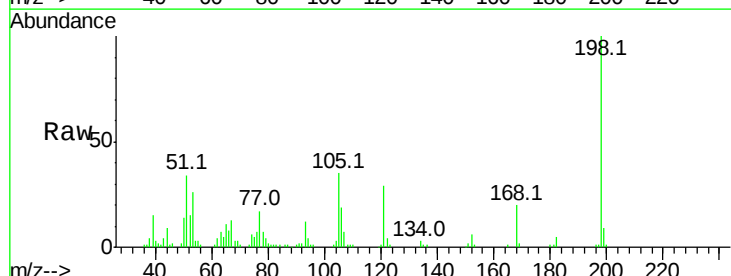


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

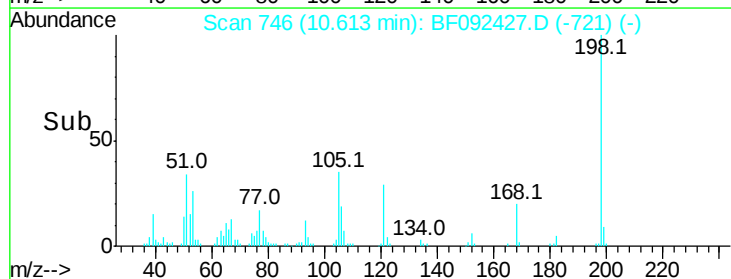
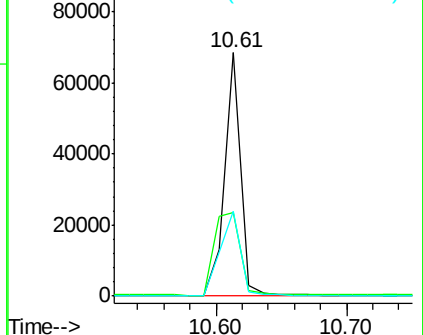


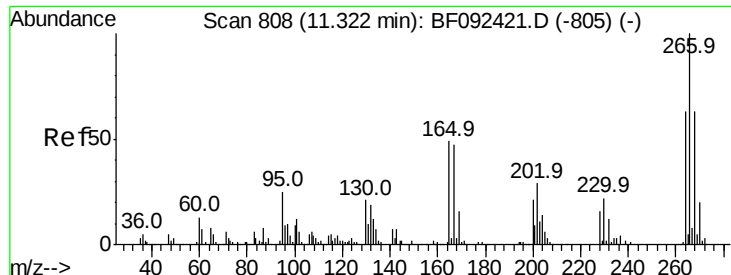
#64
 4,6-Dinitro-2-methylphenol
 Concen: 16.36 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion:198 Resp: 59386
 Ion Ratio Lower Upper
 198 100
 51 34.5 6.7 46.7
 105 35.1 16.6 56.6



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

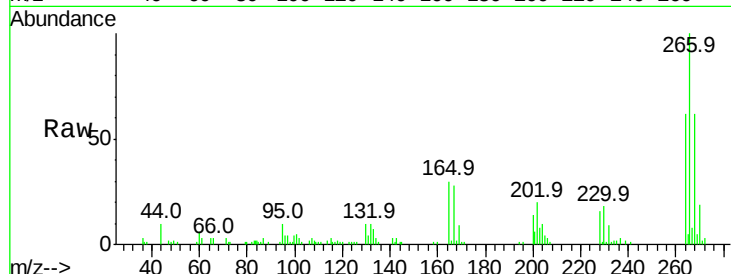




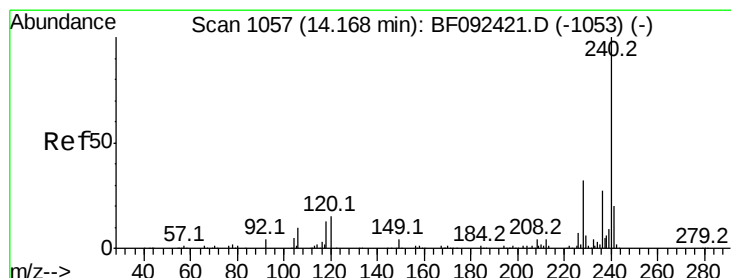
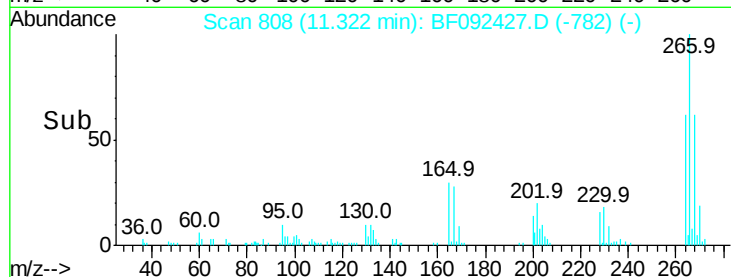
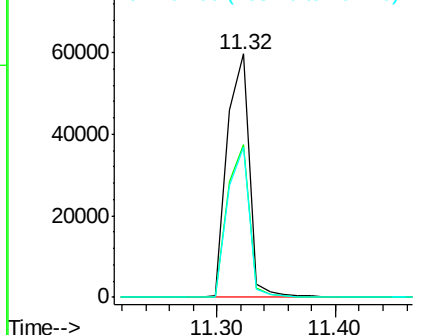
#69
 Pentachlorophenol
 Concen: 13.62 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.5	53.3	79.9
264	61.7	50.3	75.5

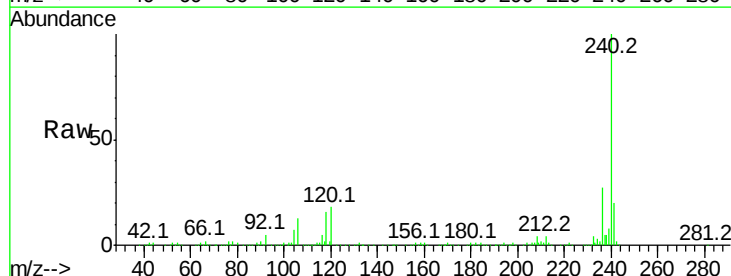


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

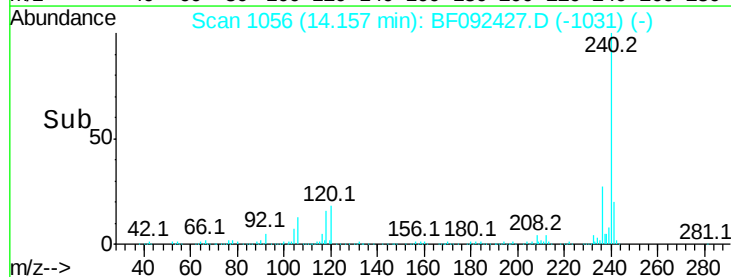
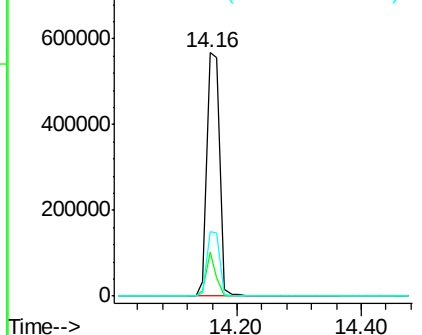


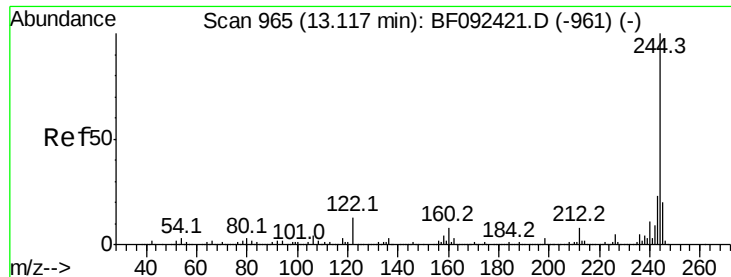
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.2	12.9	19.3
236	26.7	20.9	31.3



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

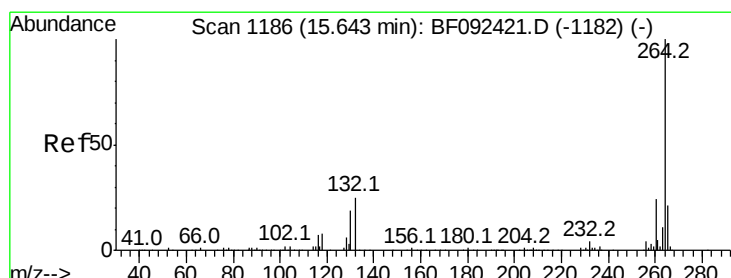
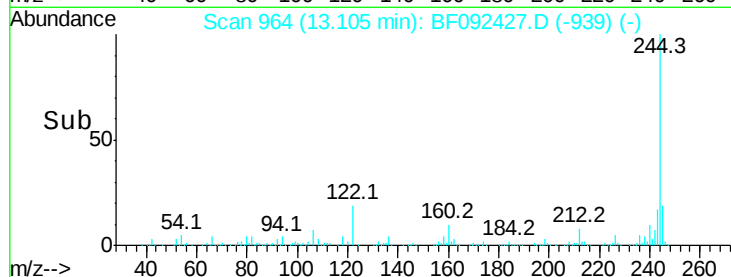
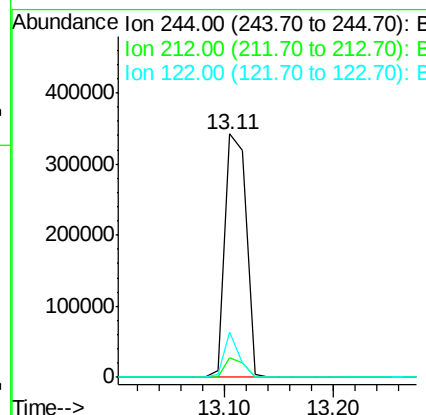
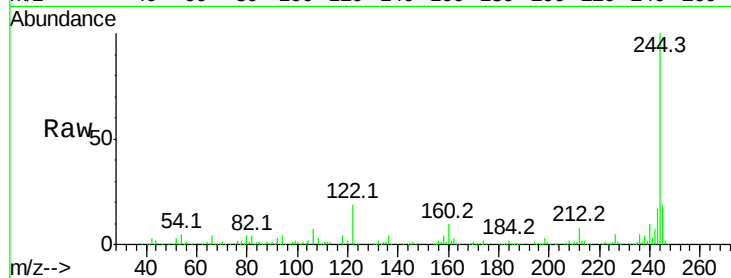




#78
 Terphenyl-d14
 Concen: 15.13 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Instrument :
 BNA_F
 ClientSampleID :
 0035DL

Tot Ion:244 Resp: 465390
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 18.6 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF092427.D
 Acq: 24 Jan 2017 14:23

Tgt Ion:264 Resp: 706204
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.2 28.8
 265 22.0 17.4 26.0

