

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092634.D
 Acq On : 30 Jan 2017 15:27
 Operator : SJ/MA
 Sample : I1305-22DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Quant Time: Jan 30 15:55:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

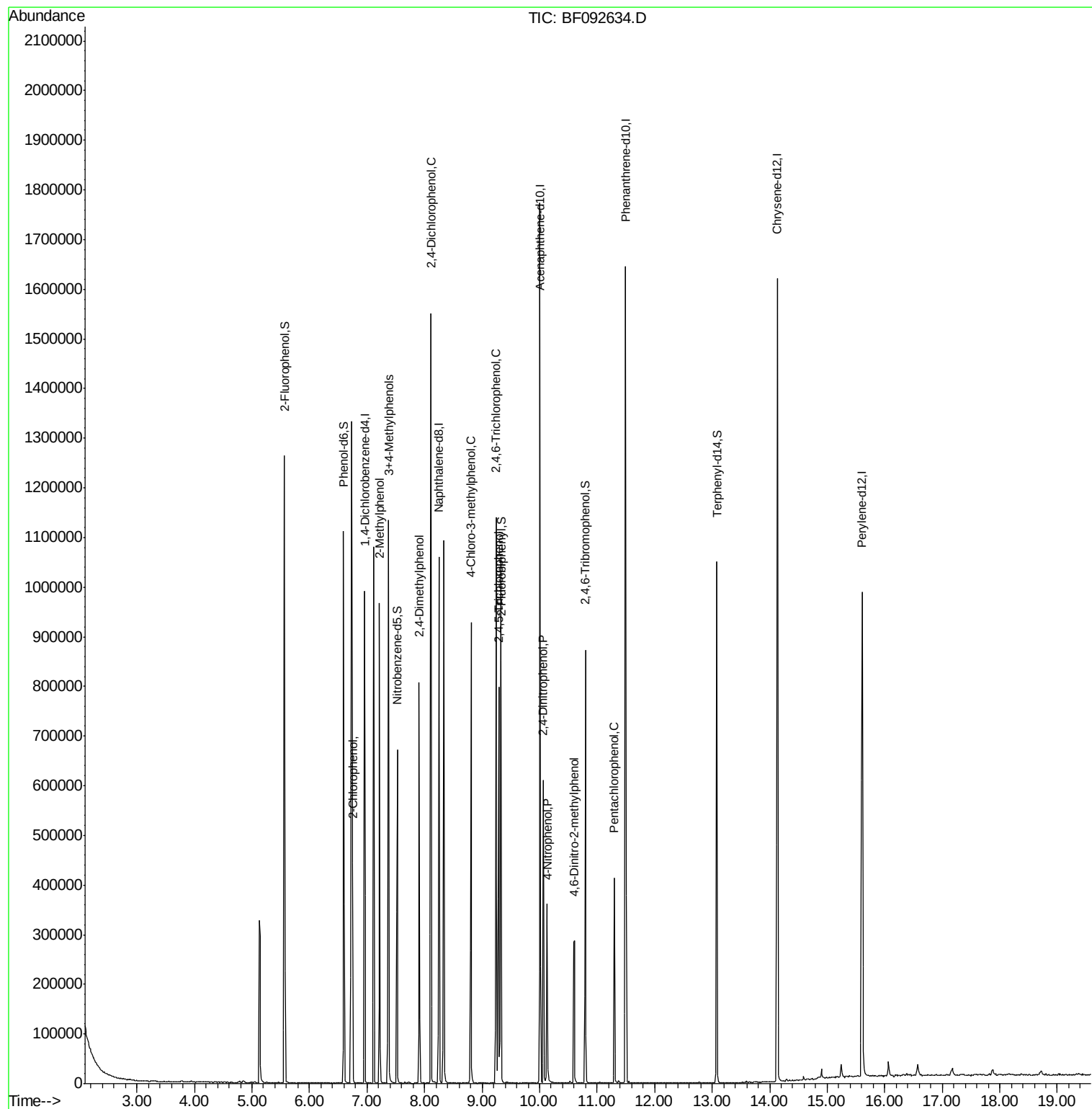
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	162277	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	647069	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	364275	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	596946	20.00	ng	0.00
75) Chrysene-d12	14.13	240	559817	20.00	ng	-0.01
86) Perylene-d12	15.61	264	461561	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	305624	32.31	ng	-0.01
7) Phenol-d6	6.59	99	378179	31.07	ng	-0.01
23) Nitrobenzene-d5	7.53	82	246784	21.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	87024	33.03	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	480615	23.90	ng	0.00
78) Terphenyl-d14	13.08	244	488759	20.51	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.75	128	185137	17.74	ng	86
17) 2-Methylphenol	7.22	107	154973	17.31	ng	95
20) 3+4-Methylphenols	7.38	107	449014	41.95	ng	# 61
27) 2,4-Dimethylphenol	7.90	122	138167	13.87	ng	95
29) 2,4-Dichlorophenol	8.11	162	300653	32.36	ng	91
36) 4-Chloro-3-methylphenol	8.81	107	194888	20.12	ng	93
42) 2,4,6-Trichlorophenol	9.24	196	174727	26.00	ng	92
43) 2,4,5-Trichlorophenol	9.29	196	147159	19.99	ng	# 84
53) 2,4-Dinitrophenol	10.06	184	64489	27.24	ng	# 66
55) 4-Nitrophenol	10.13	139	89758	20.55	ng	# 66
64) 4,6-Dinitro-2-methylphenol	10.60	198	61433	18.64	ng	94
69) Pentachlorophenol	11.30	266	41328	19.02	ng	99

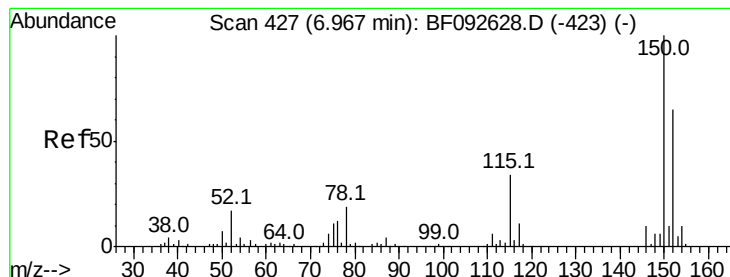
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

Instrument :

BNA_F

ClientSampleId :

0035DL

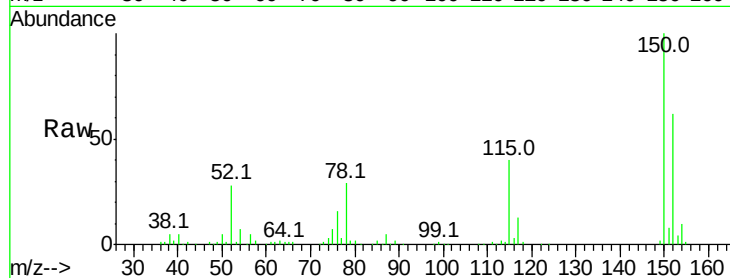
Tot Ion:152 Resp: 162277

Ion Ratio Lower Upper

152 100

150 160.0 124.9 187.3

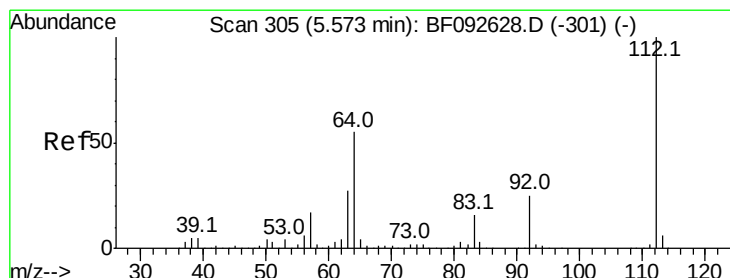
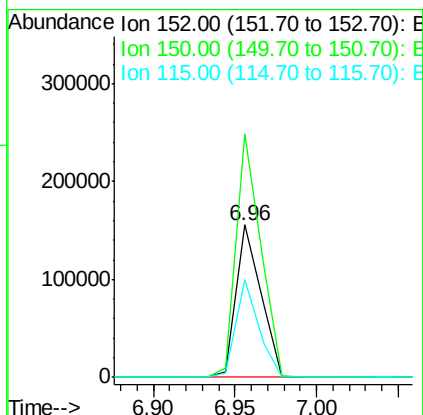
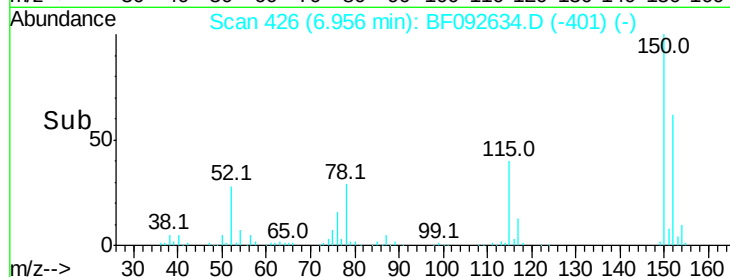
115 64.5 46.0 69.0



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: 32.31 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

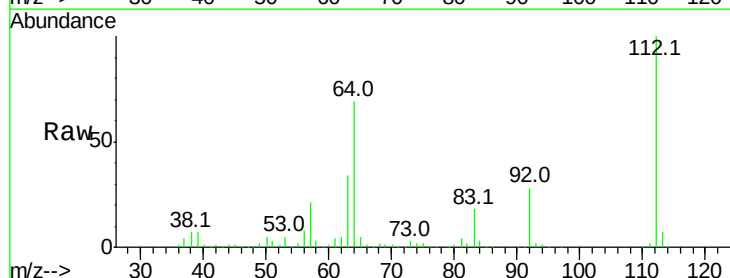
Tgt Ion:112 Resp: 305624

Ion Ratio Lower Upper

112 100

64 69.1 46.1 69.1#

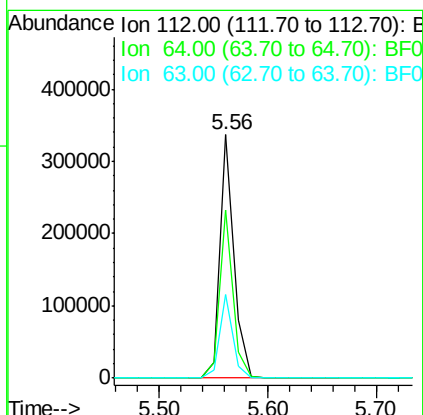
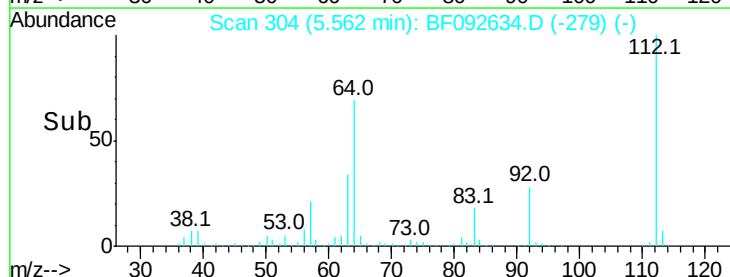
63 34.1 23.8 35.6

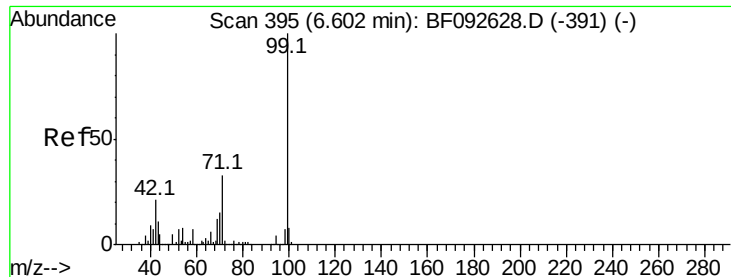


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.07 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

Instrument :

BNA_F

ClientSampleId :

0035DL

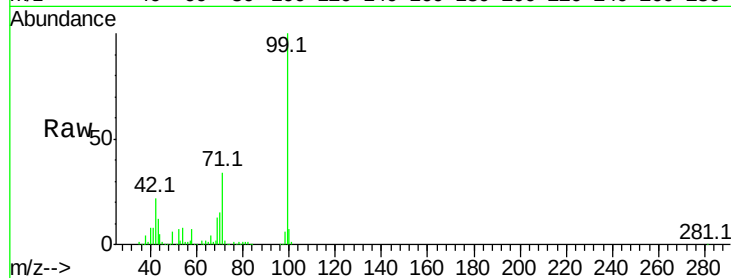
Tot Ion: 99 Resp: 378179

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

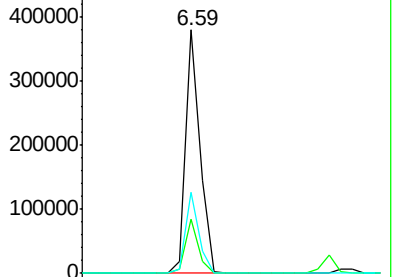
71 33.5 27.5 41.3



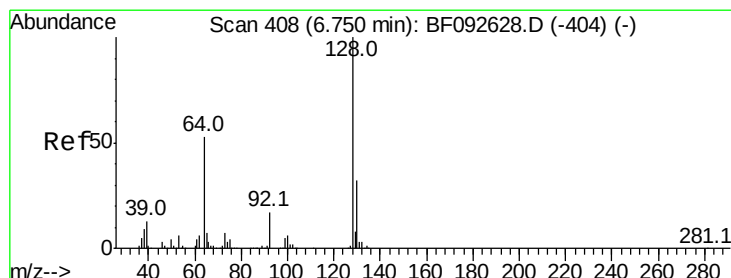
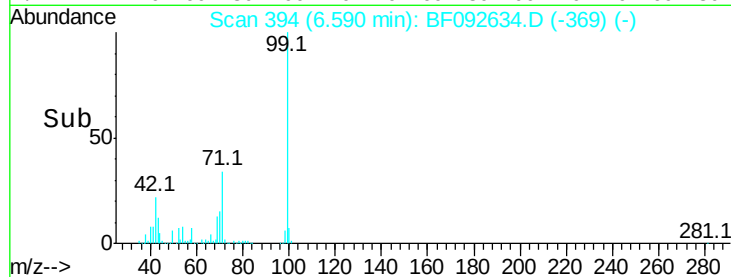
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#8

2-Chlorophenol

Concen: 17.74 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

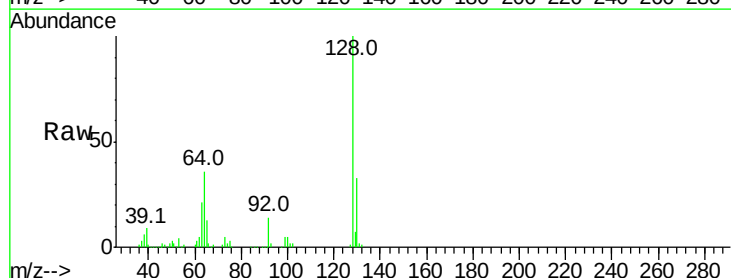
Tgt Ion: 128 Resp: 185137

Ion Ratio Lower Upper

128 100

130 32.6 12.3 52.3

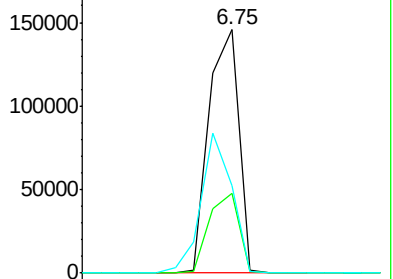
64 36.2 32.2 72.2



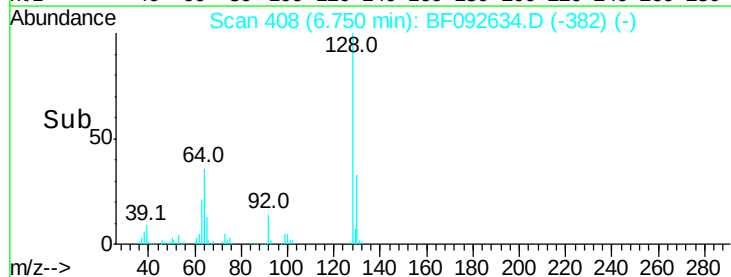
Abundance Ion 128.00 (127.70 to 128.70): E

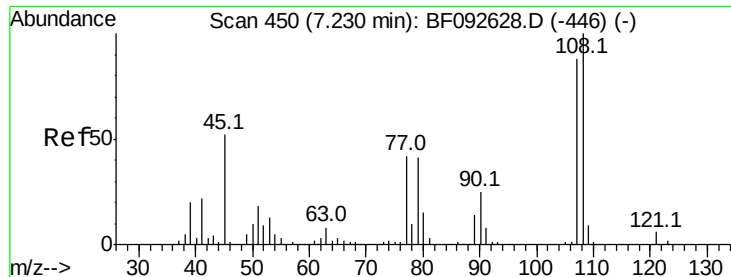
Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



Time-->

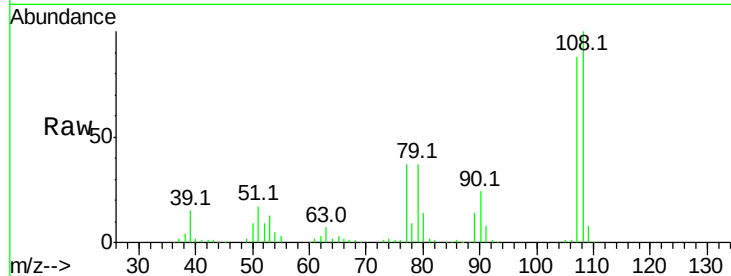




#17
2-Methylphenol
Concen: 17.31 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF092634.D
Acq: 30 Jan 2017 15:27

Instrument :
BNA_F
ClientSampleId :
0035DL

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.1	93.0	139.6
77	42.6	39.8	59.8
79	42.7	38.0	57.0



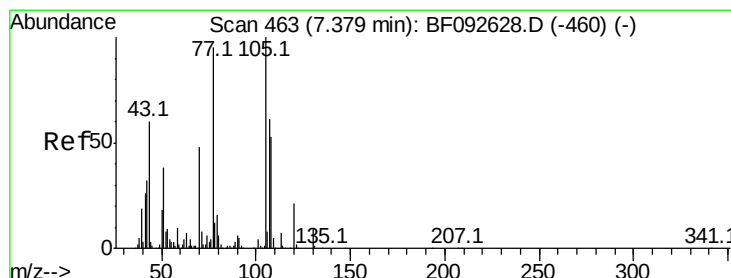
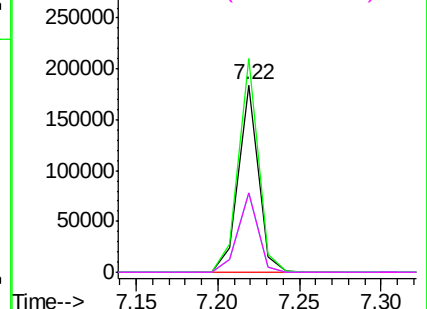
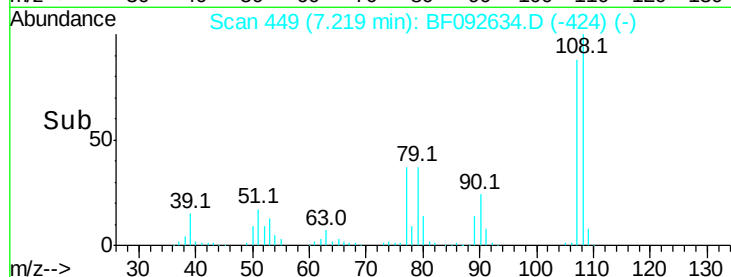
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

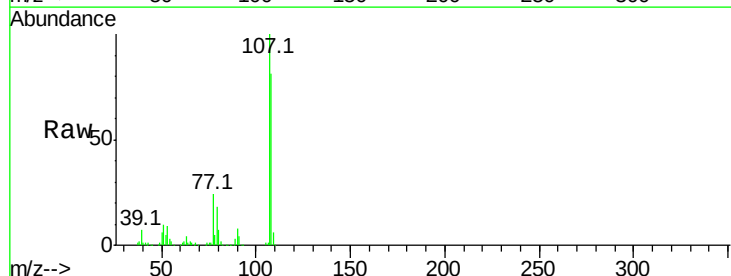
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20
3+4-Methylphenols
Concen: 41.95 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF092634.D
Acq: 30 Jan 2017 15:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.1	73.0	113.0
77	24.2	71.3	111.3
79	17.7	11.1	51.1



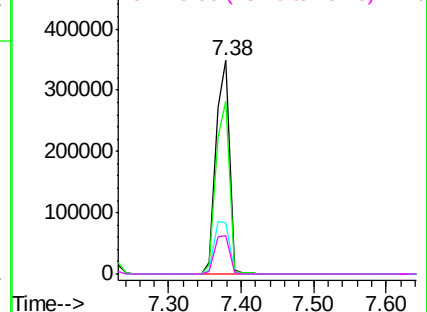
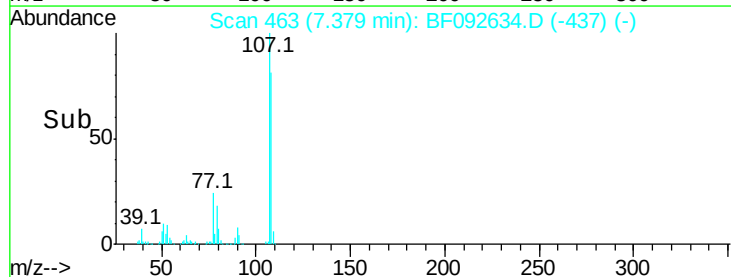
Abundance

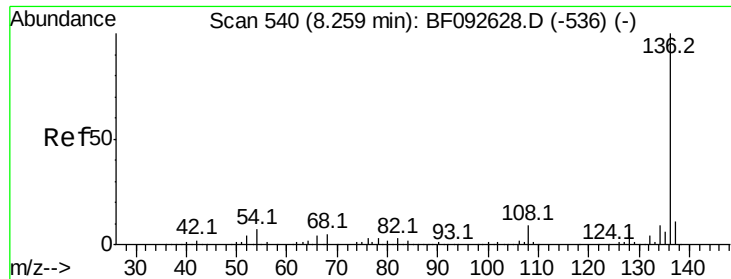
Ion 107.00 (106.70 to 107.70): E

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

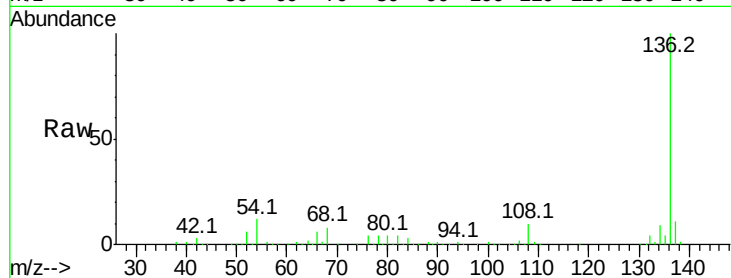




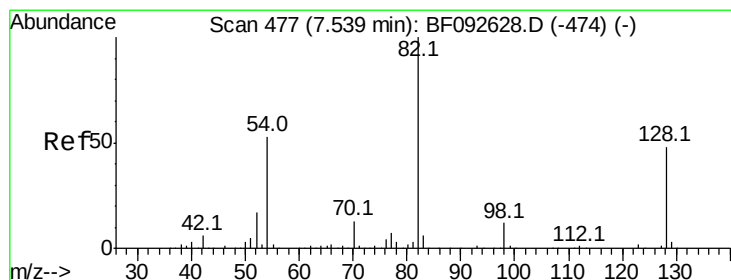
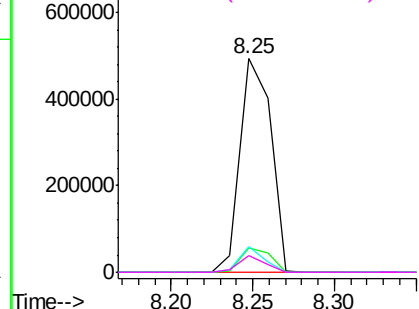
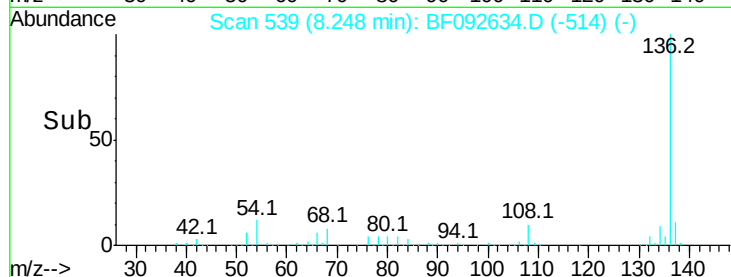
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092634.D
Acq: 30 Jan 2017 15:27

Instrument :
BNA_F
ClientSampleId :
0035DL

Tot Ion:136	Resp:	647069
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.4 12.6
54	12.0	4.5 6.7#
68	8.1	3.6 5.4#

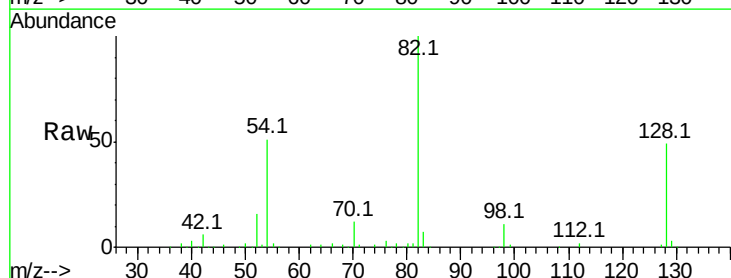


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

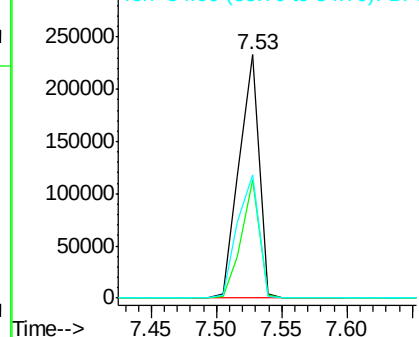
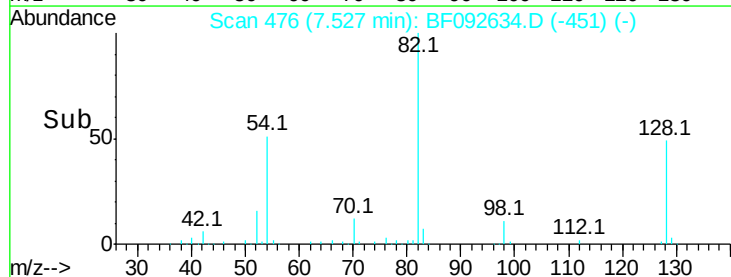


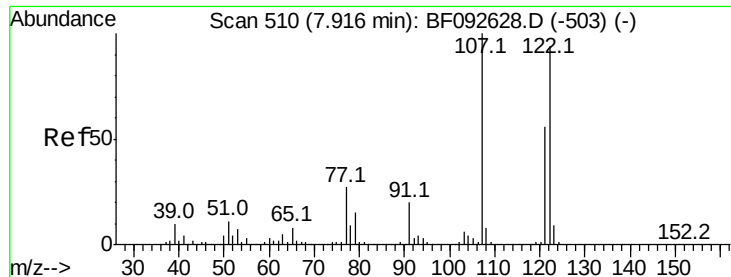
#23
Nitrobenzene-d5
Concen: 21.24 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092634.D
Acq: 30 Jan 2017 15:27

Tgt Ion: 82	Resp:	246784
Ion	Ratio	Lower Upper
82	100	
128	48.5	34.6 52.0
54	50.9	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: 13.87 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

Instrument :

BNA_F

ClientSampleId :

0035DL

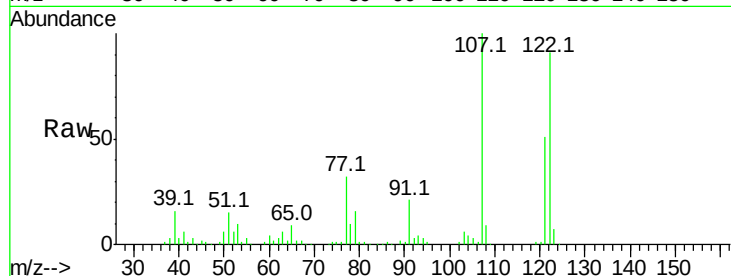
Tot Ion:122 Resp: 138167

Ion Ratio Lower Upper

122 100

107 109.9 94.1 141.1

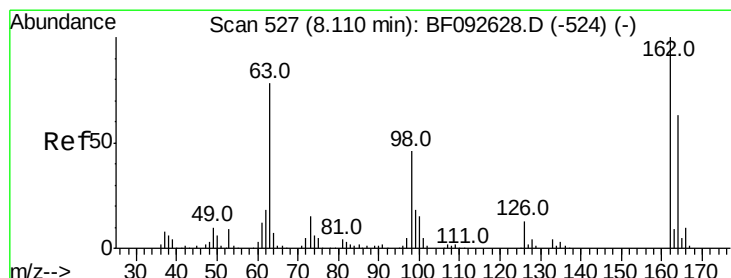
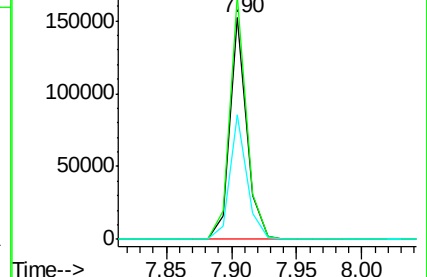
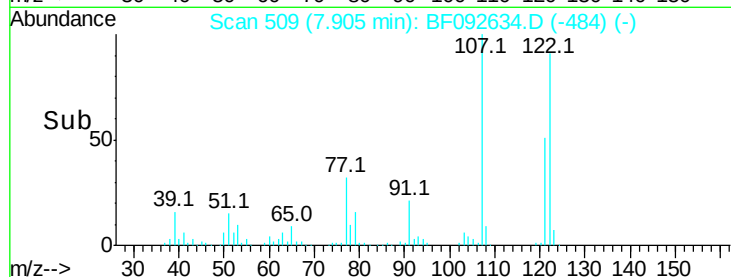
121 56.0 46.0 69.0



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: 32.36 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

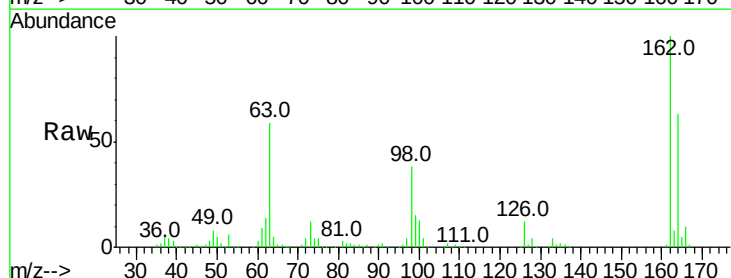
Tgt Ion:162 Resp: 300653

Ion Ratio Lower Upper

162 100

164 62.6 46.8 86.8

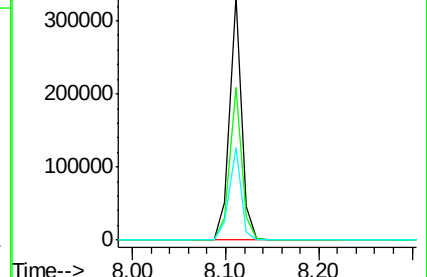
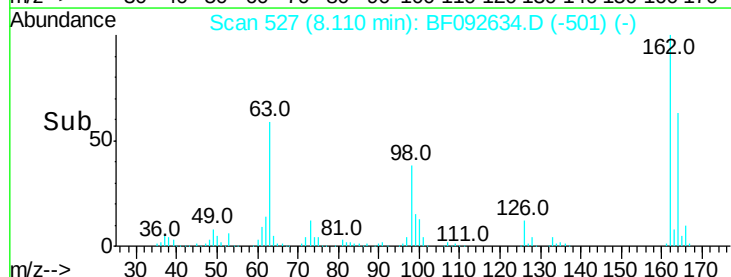
98 37.9 9.1 49.1

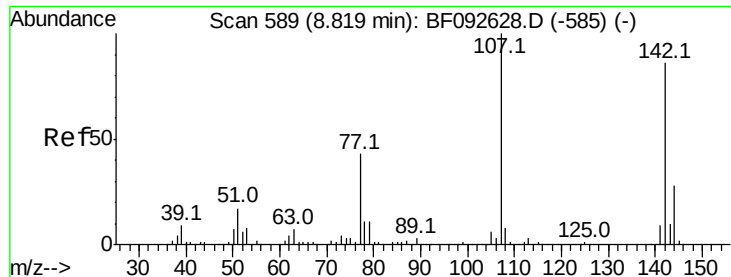


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0

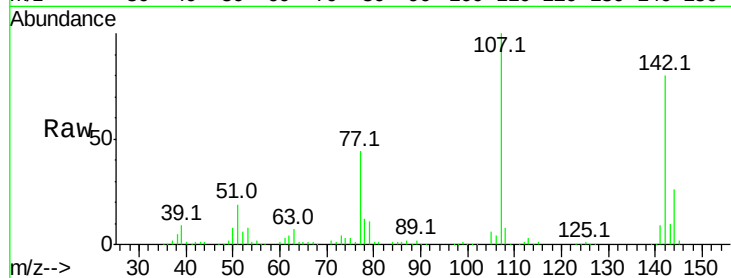




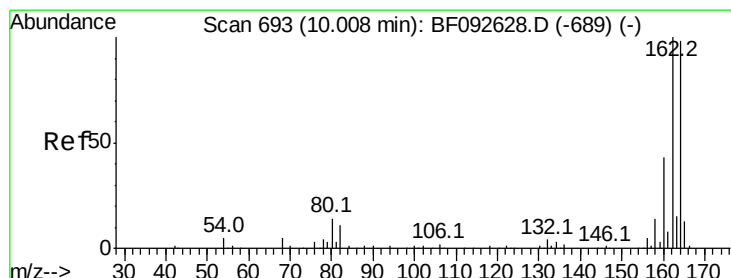
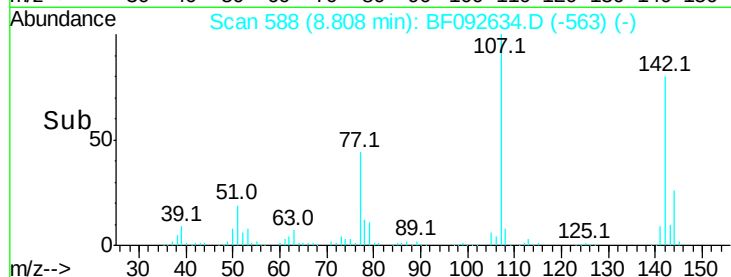
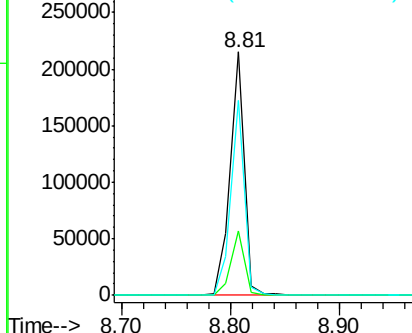
#36
 4-Chloro-3-methylphenol
 Concen: 20.12 ng
 RT: 8.81 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Instrument :
 BNA_F
 ClientSampleID :
 0035DL

Tot Ion:107 Resp: 194888
 Ion Ratio Lower Upper
 107 100
 144 26.5 19.3 28.9
 142 80.3 59.0 88.6

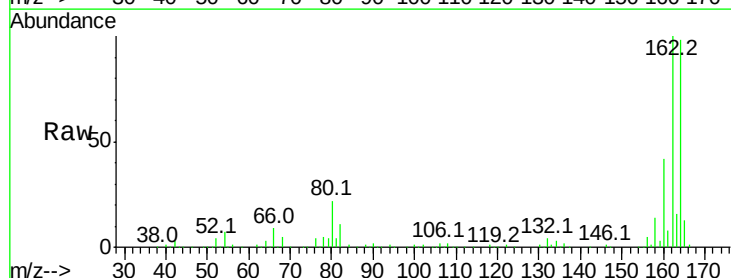


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

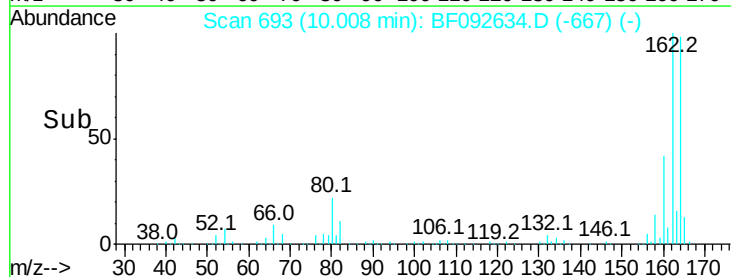
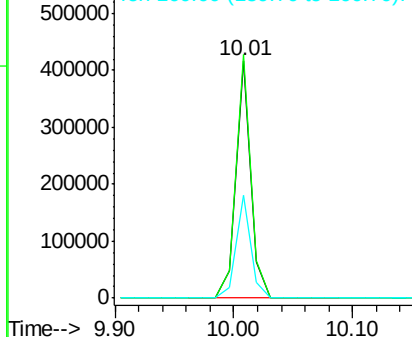


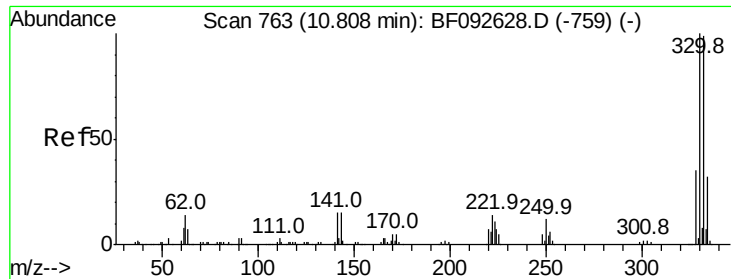
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion:164 Resp: 364275
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.2 120.2
 160 43.2 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

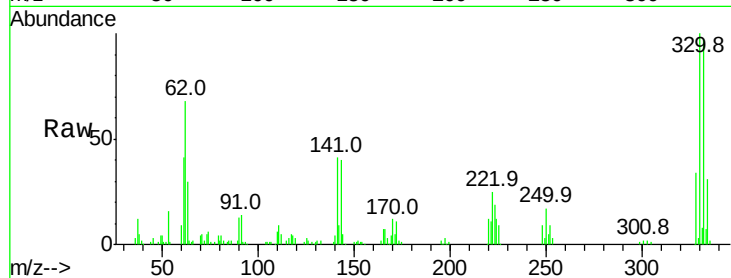




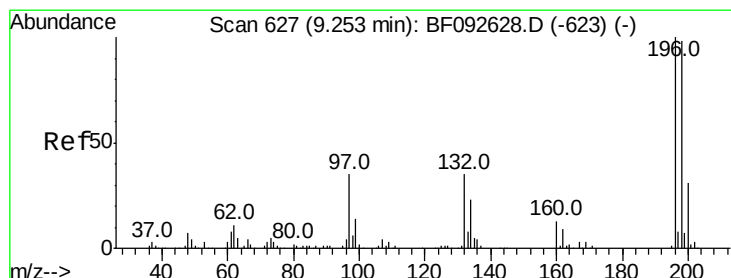
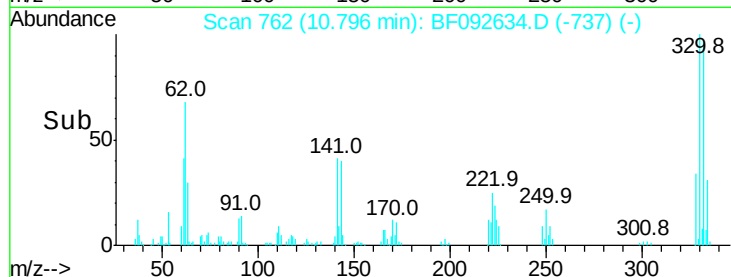
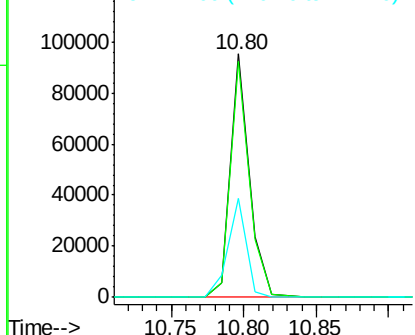
#41
 2,4,6-Tribromophenol
 Concen: 33.03 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion:330 Resp: 87024
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 38.9 34.1 51.1

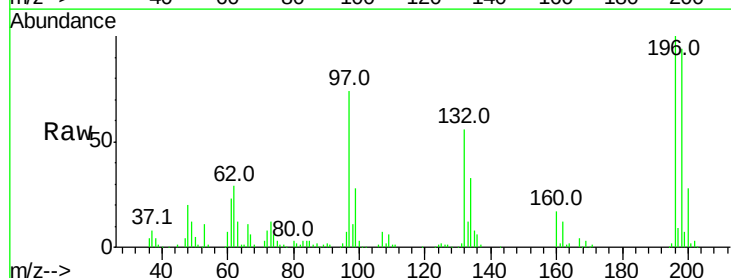


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

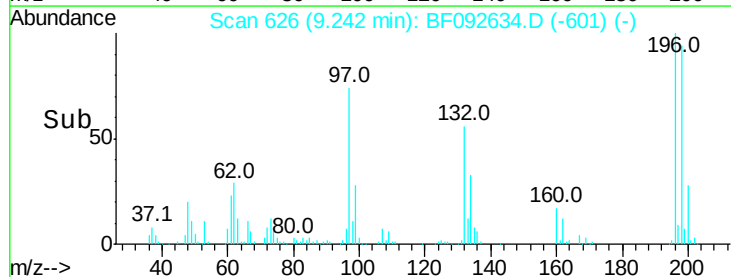
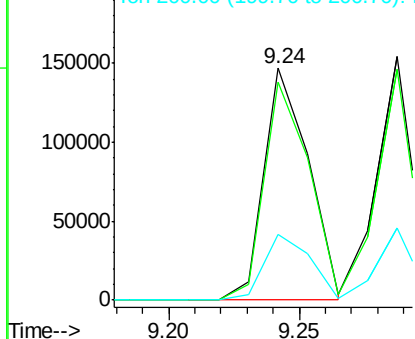


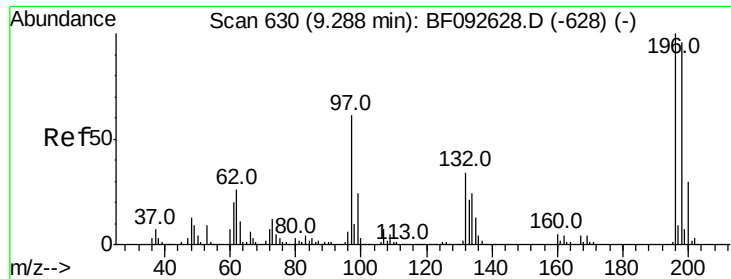
#42
 2,4,6-Trichlorophenol
 Concen: 26.00 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion:196 Resp: 174727
 Ion Ratio Lower Upper
 196 100
 198 94.2 82.1 123.1
 200 28.5 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

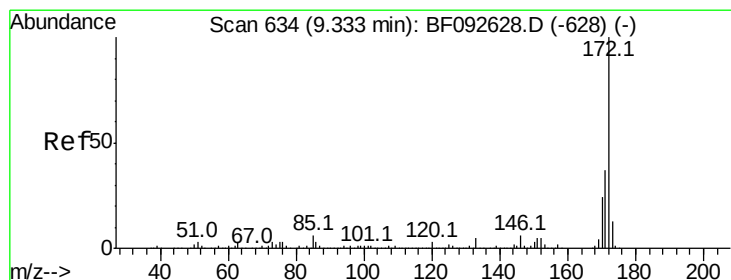
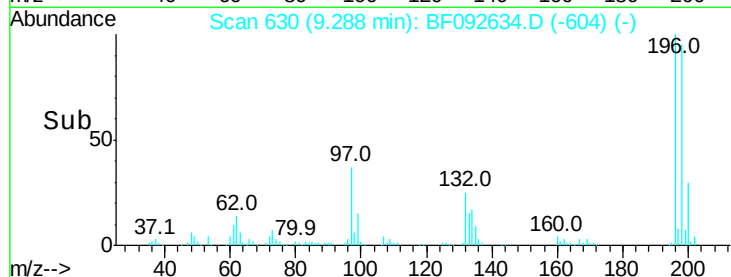
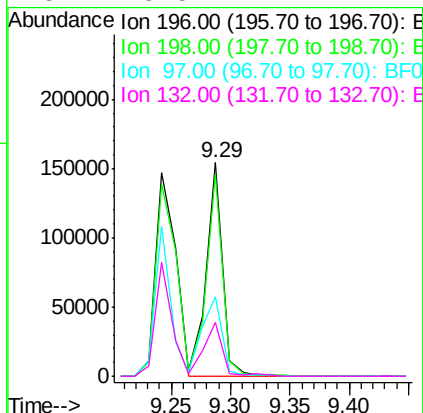
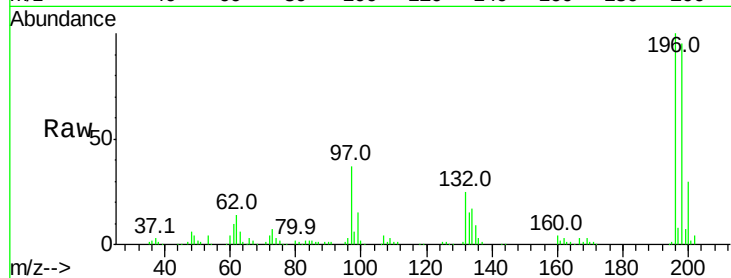




#43
 2,4,5-Trichlorophenol
 Concen: 19.99 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

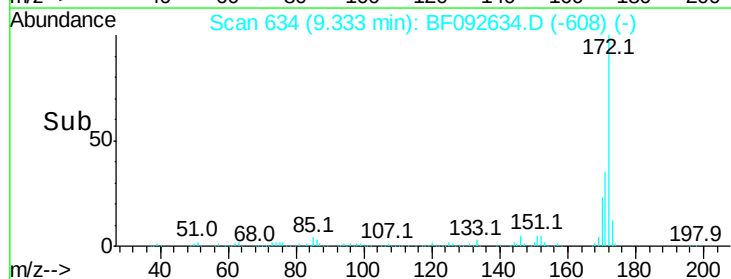
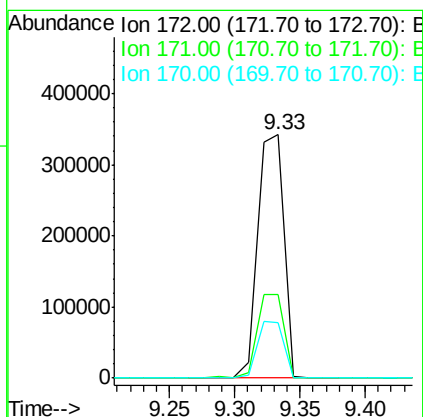
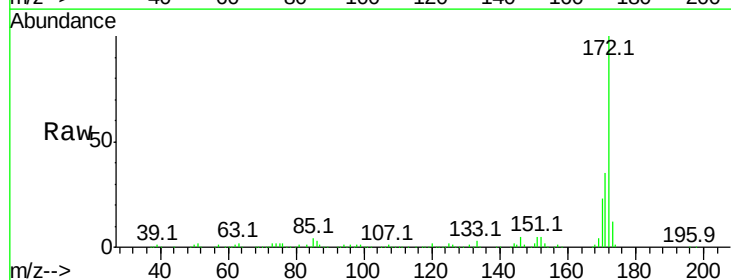
Instrument :
 BNA_F
 ClientSampleId :
 0035DL

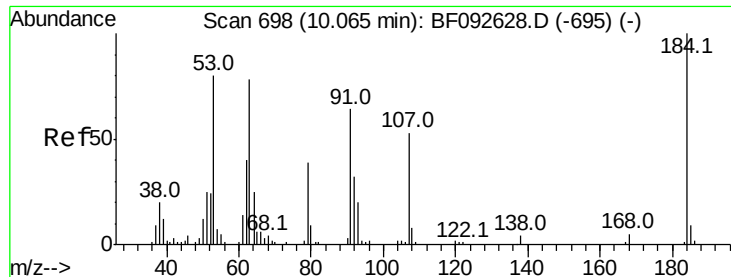
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.6	79.4	119.2
97	37.4	51.5	77.3#
132	25.5	27.4	41.2#



#44
 2-Fluorobiphenyl
 Concen: 23.90 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.4	44.0
170	22.8	20.2	30.4

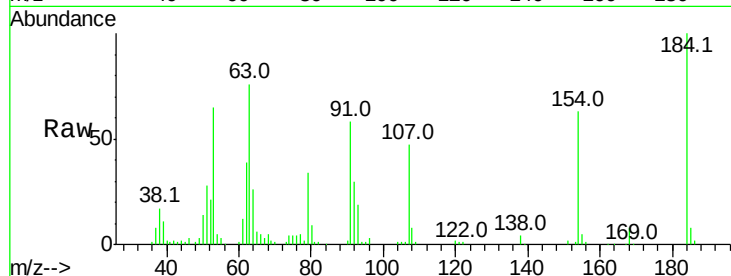




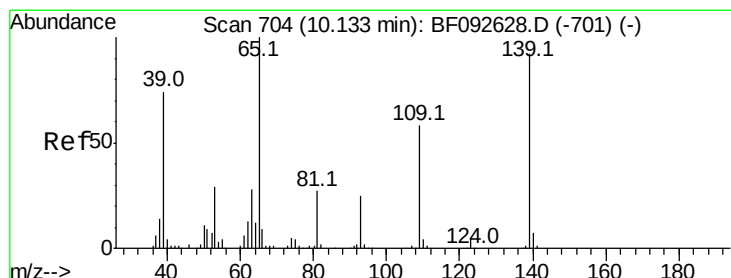
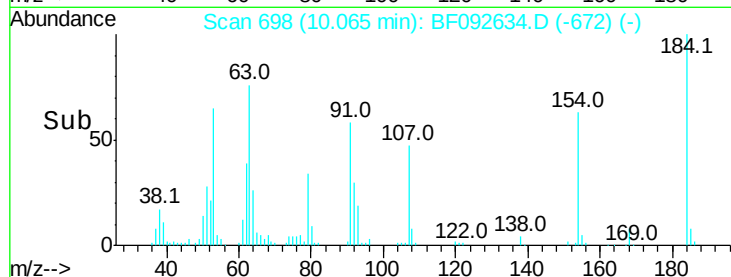
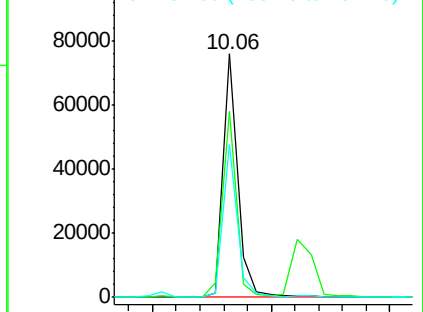
#53
 2,4-Dinitrophenol
 Concen: 27.24 ng
 RT: 10.06 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :
 0035DL

Tot Ion:184 Resp: 64489
 Ion Ratio Lower Upper
 184 100
 63 76.5 28.4 42.6#
 154 62.9 44.3 66.5

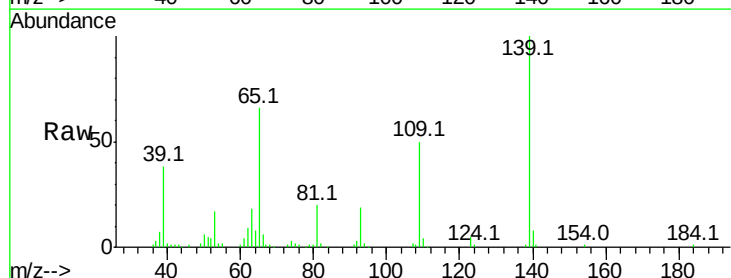


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

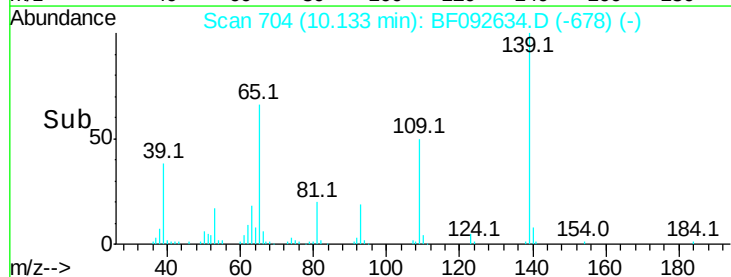
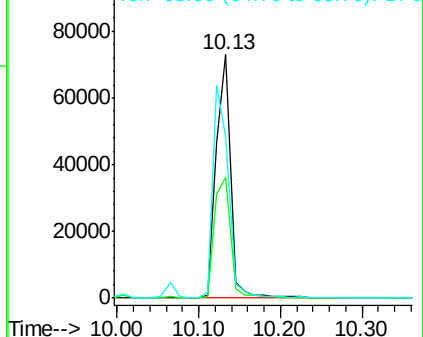


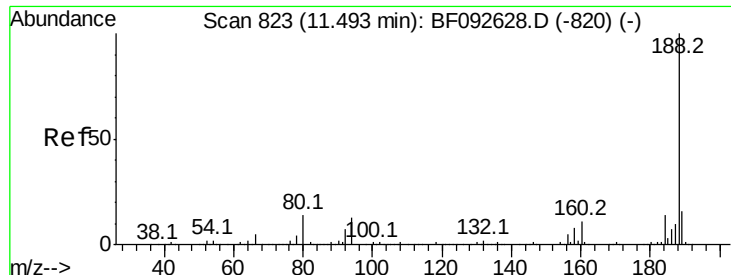
#55
 4-Nitrophenol
 Concen: 20.55 ng
 RT: 10.13 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion:139 Resp: 89758
 Ion Ratio Lower Upper
 139 100
 109 49.8 52.2 92.2#
 65 66.2 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

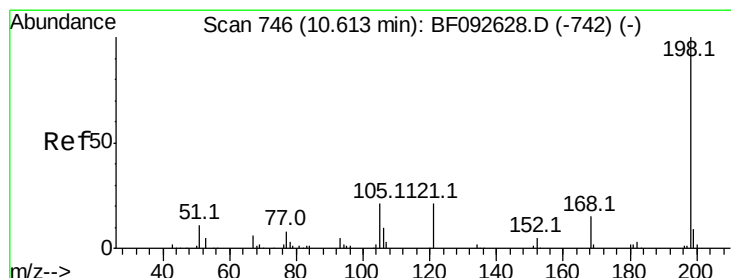
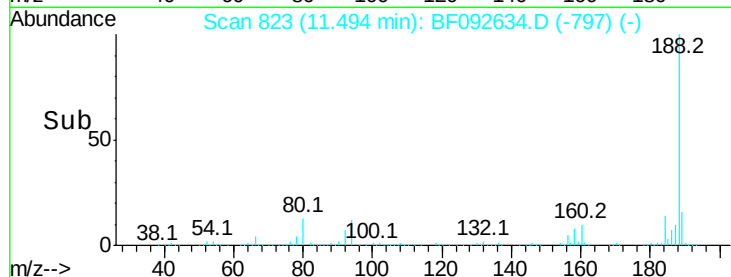
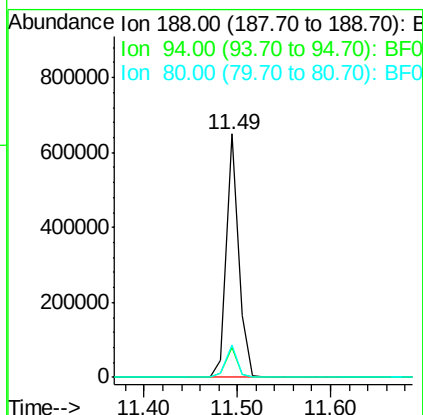
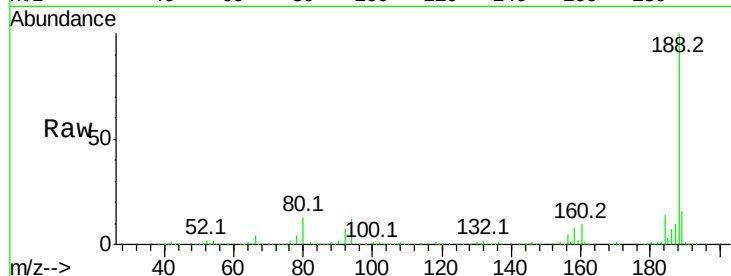




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

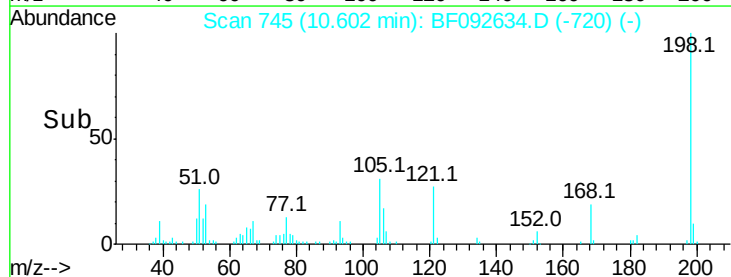
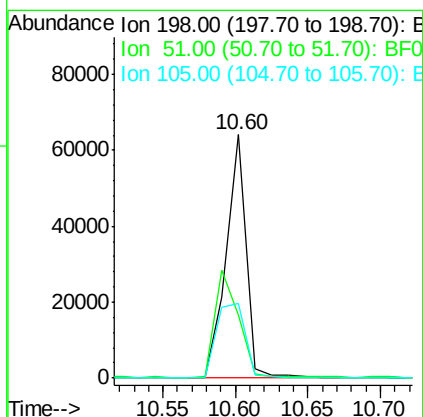
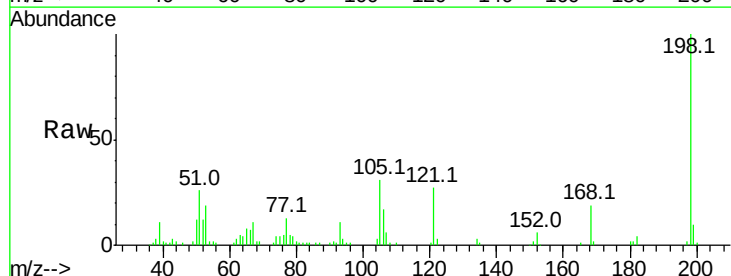
Instrument :
 BNA_F
 ClientSampleId :
 0035DL

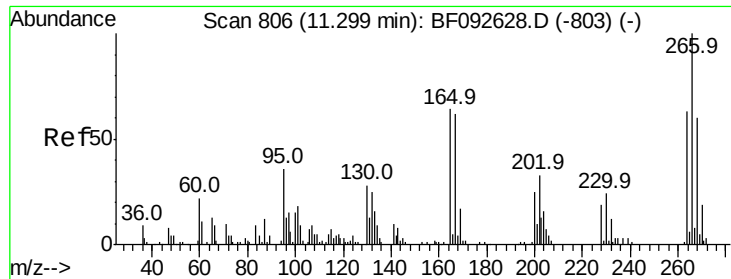
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.0	15.0
80	13.2	11.2	16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 18.64 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion	Ratio	Lower	Upper
198	100		
51	26.1	6.7	46.7
105	30.5	16.6	56.6

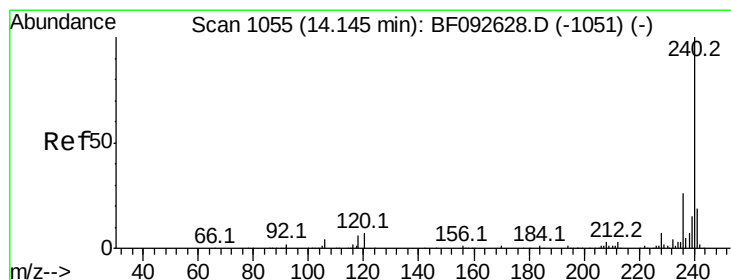
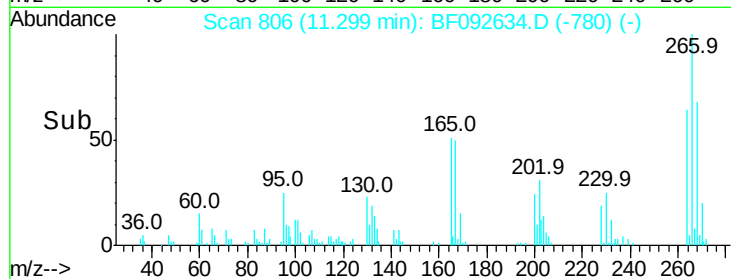
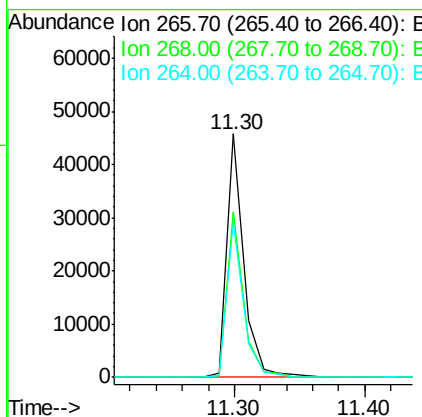
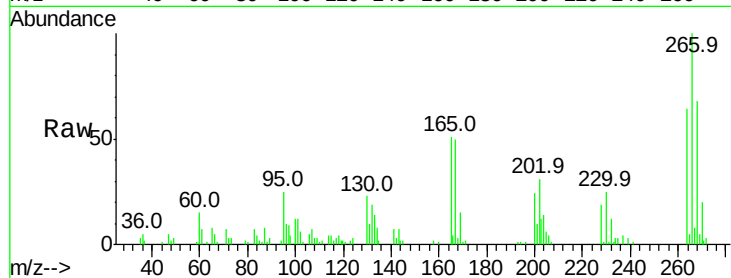




#69
 Pentachlorophenol
 Concen: 19.02 ng
 RT: 11.30 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

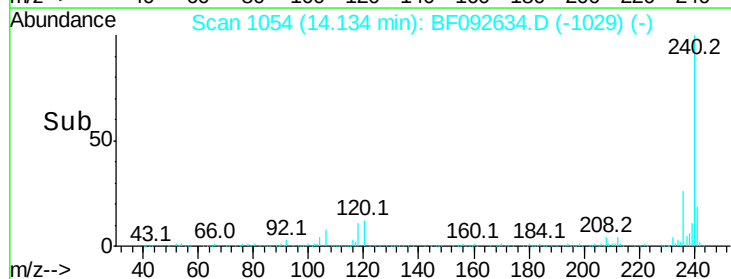
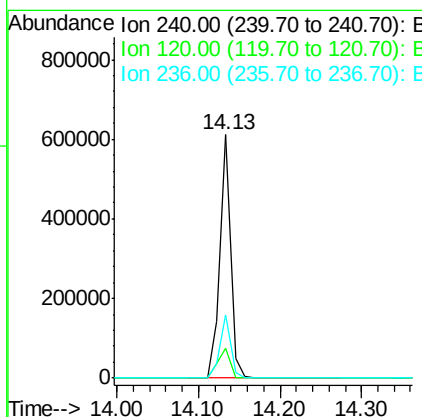
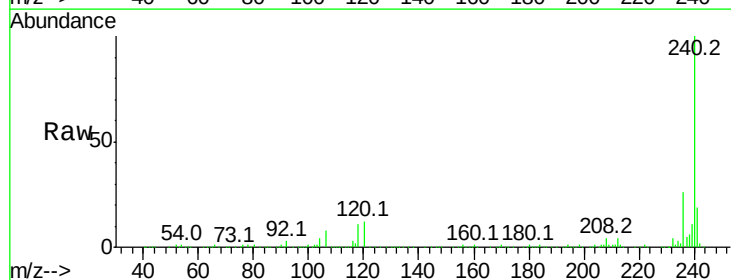
Instrument :
 BNA_F
 ClientSampleId :
 0035DL

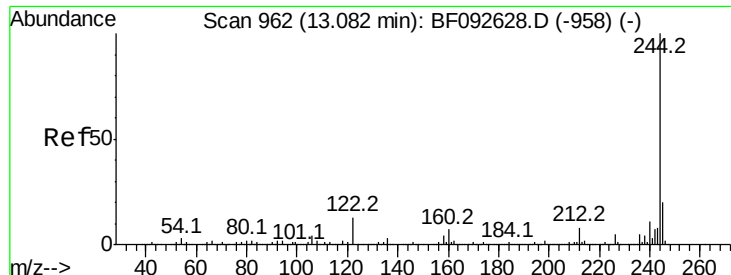
Tot Ion	Ratio	Lower	Upper
266	100		
268	67.8	53.3	79.9
264	63.6	50.3	75.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF092634.D
 Acq: 30 Jan 2017 15:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	12.9	19.3#
236	26.1	20.9	31.3





#78

Terphenyl-d14

Concen: 20.51 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

Instrument :

BNA_F

ClientSampled :

0035DL

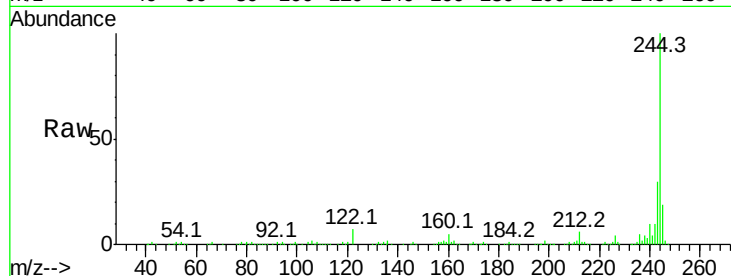
Tot Ion:244 Resp: 488759

Ion Ratio Lower Upper

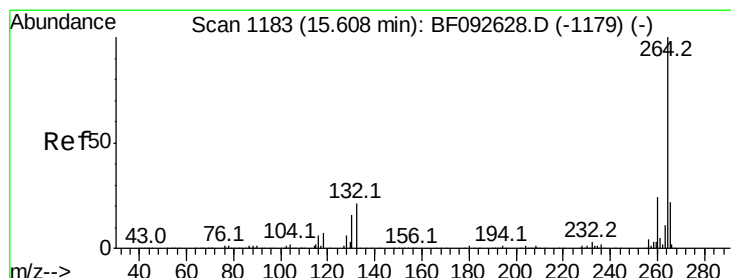
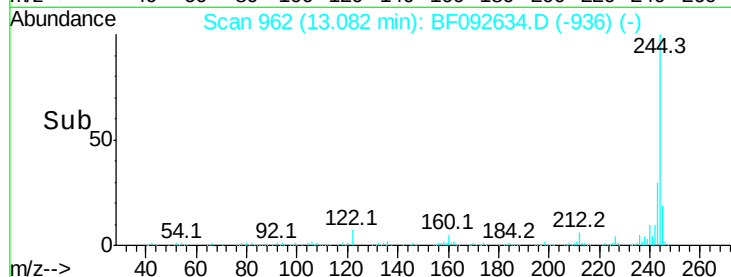
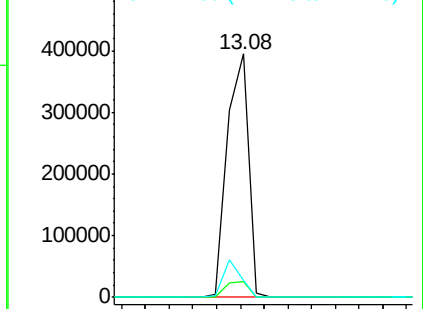
244 100

212 6.3 6.2 9.2

122 7.0 11.4 17.2#



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: 15.61 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF092634.D

Acq: 30 Jan 2017 15:27

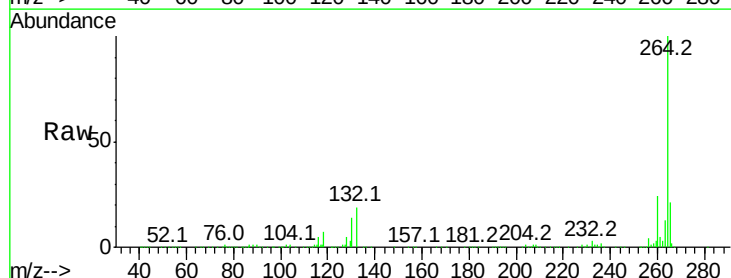
Tgt Ion:264 Resp: 461561

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.0 17.4 26.0



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

