

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013017\
 Data File : BF092665.D
 Acq On : 31 Jan 2017 6:44
 Operator : SJ/MA
 Sample : I1529-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELT-WCS012617(0-15)

Quant Time: Jan 31 07:26:40 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

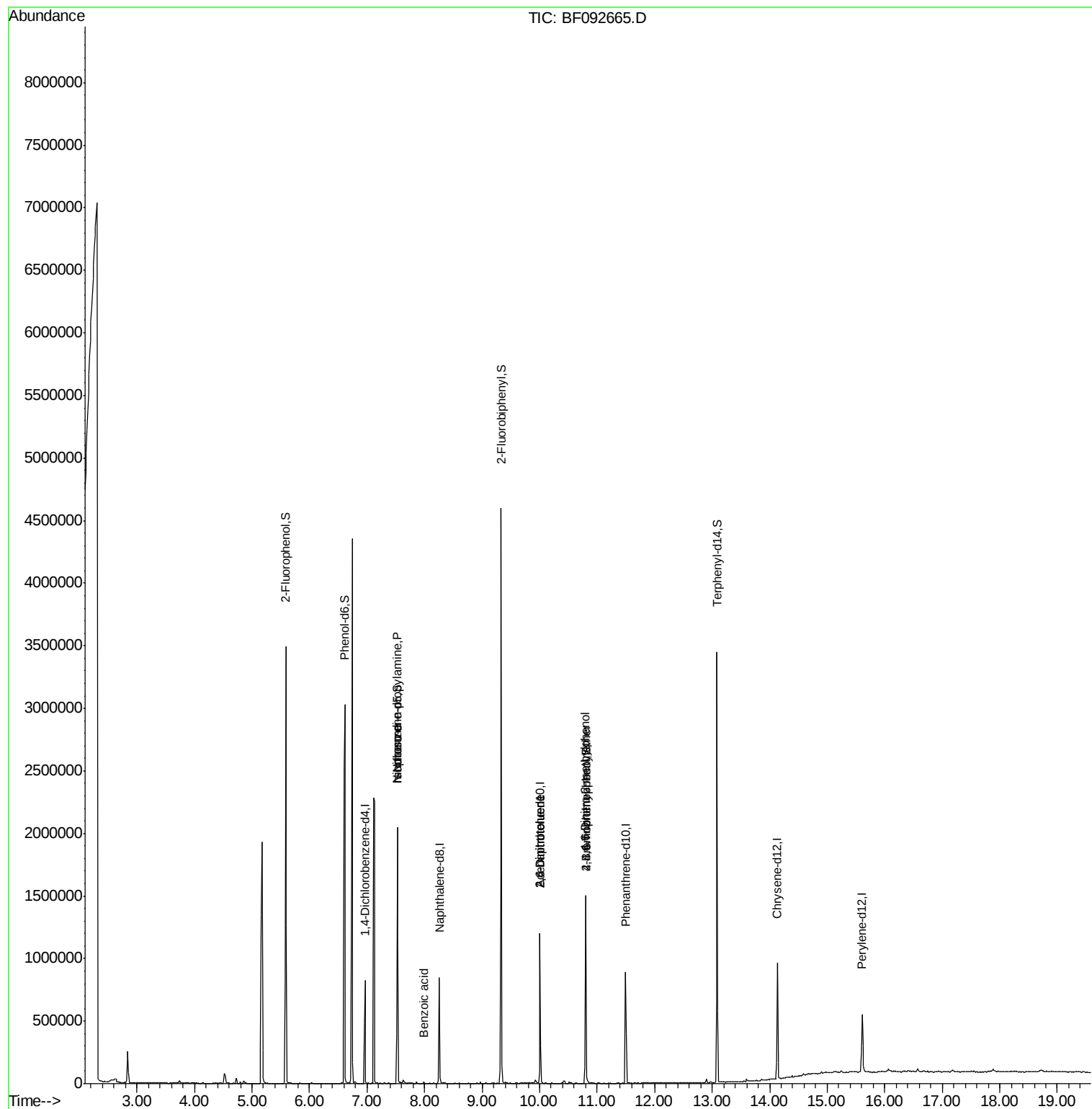
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152678	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564593	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	256890	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	366982	20.00	ng	0.00
75) Chrysene-d12	14.13	240	298505	20.00	ng	-0.01
86) Perylene-d12	15.61	264	209640	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1092053	122.71	ng	0.01
7) Phenol-d6	6.61	99	1422687	124.25	ng	0.01
23) Nitrobenzene-d5	7.53	82	847561	83.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	261488	140.74	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1525886	107.61	ng	0.00
78) Terphenyl-d14	13.08	244	1044943	82.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	110954	15.22	ng	# 85
25) Isophorone	7.53	82	750379	39.72	ng	# 65
32) Benzoic acid	7.98	122	215	7.20	ng	# 72
50) 2,6-Dinitrotoluene	10.01	165	33715	9.02	ng	# 31
56) 2,4-Dinitrotoluene	10.01	165	33716	6.78	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.80	198	622	2.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	18702	4.88	ng	# 1

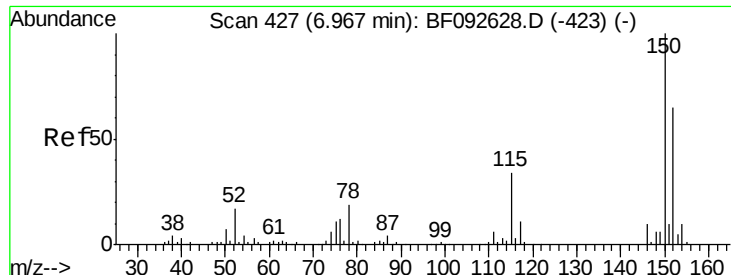
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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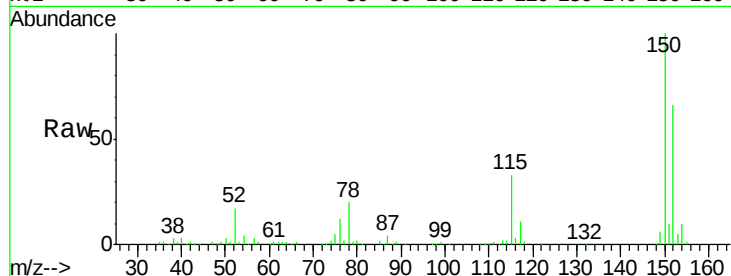


#1

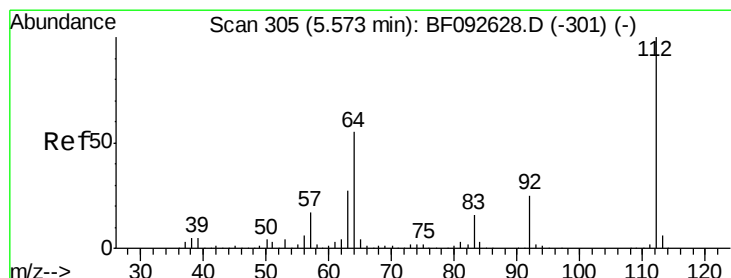
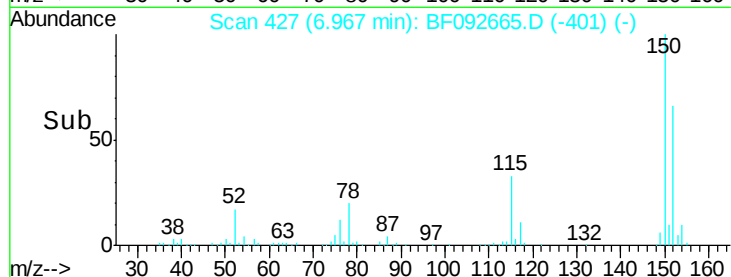
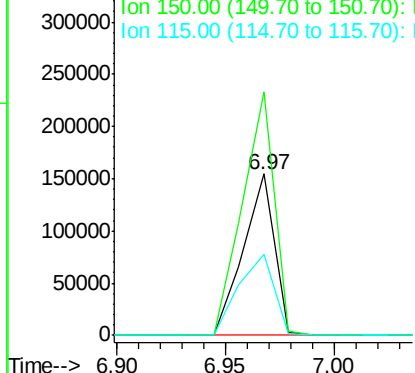
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092665.D
Acq: 31 Jan 2017 6:44

Instrument :
BNA_F
ClientSampleId :
ELT-WCS012617(0-15)

Tgt Ion:152 Resp: 152678
Ion Ratio Lower Upper
152 100
150 150.8 124.9 187.3
115 50.4 46.0 69.0



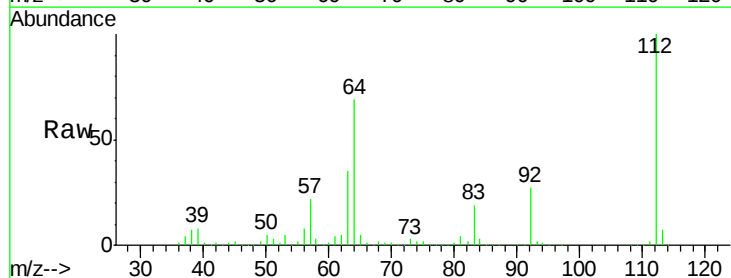
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



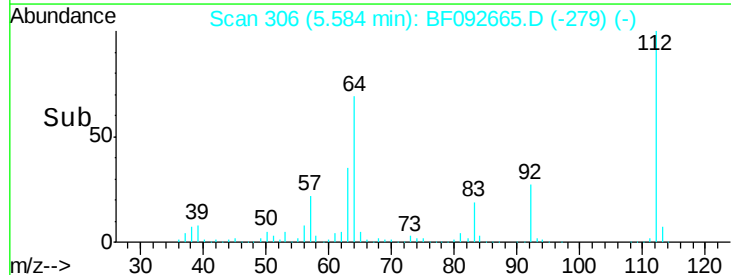
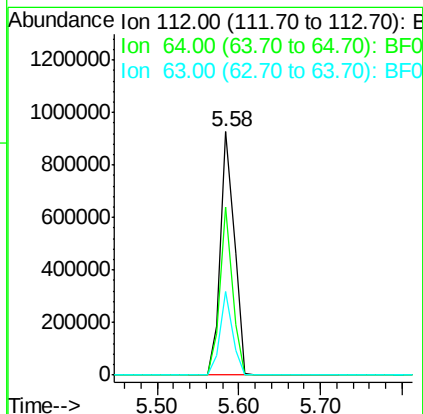
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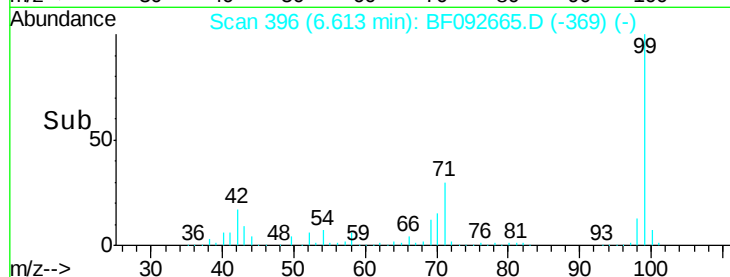
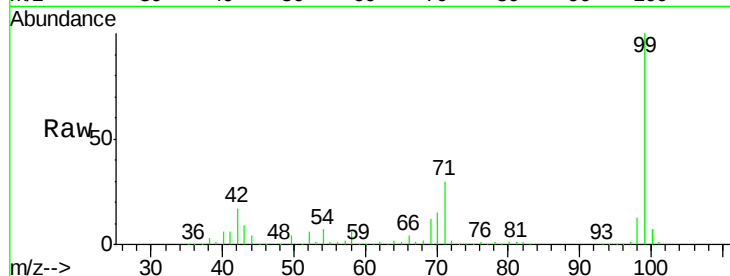
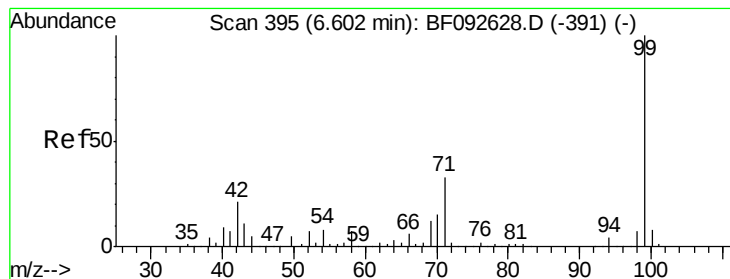
2-Fluorophenol
Concen: 122.71 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.01 min
Lab File: BF092665.D
Acq: 31 Jan 2017 6:44

Tgt Ion:112 Resp: 1092053
Ion Ratio Lower Upper
112 100
64 69.1 46.1 69.1
63 34.6 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: 124.25 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

Instrument :

BNA_F

ClientSampleId :

ELT-WCS012617(0-15)

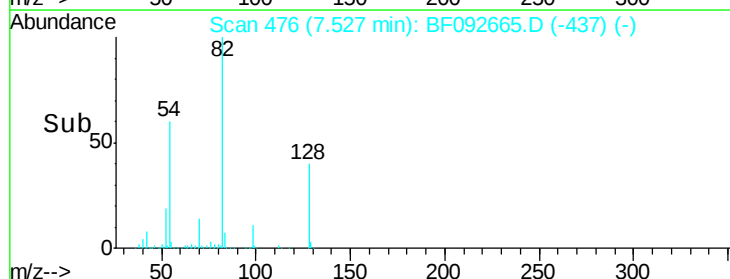
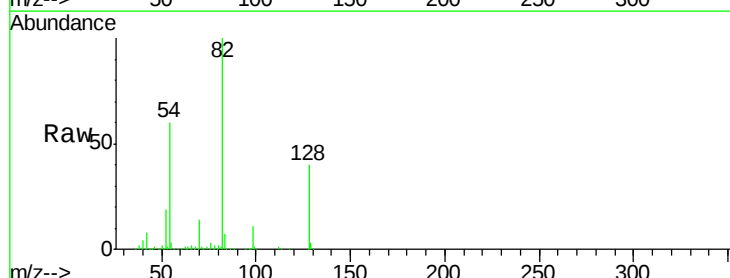
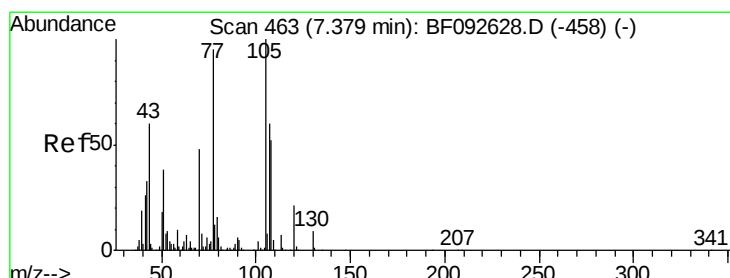
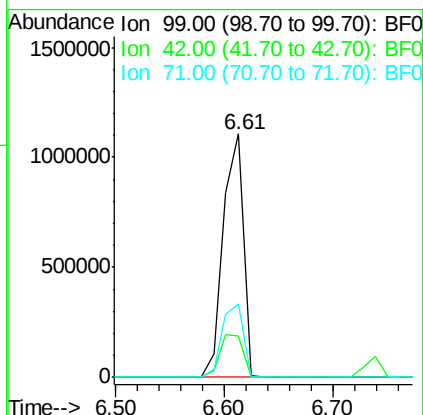
Tgt Ion: 99 Resp: 1422687

Ion Ratio Lower Upper

99 100

42 16.8 15.6 23.4

71 30.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.22 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

Tgt Ion: 70 Resp: 110954

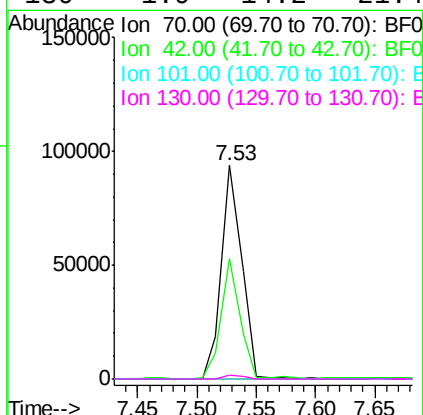
Ion Ratio Lower Upper

70 100

42 56.5 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

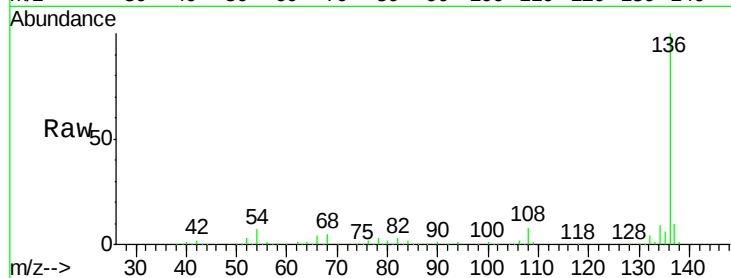




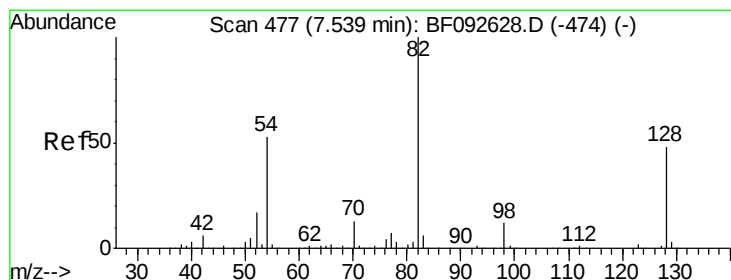
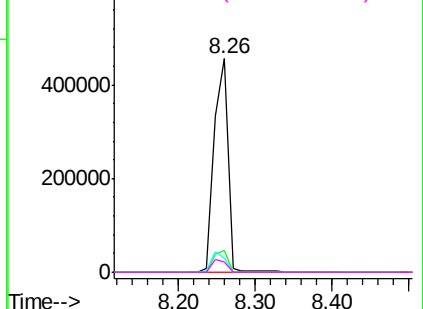
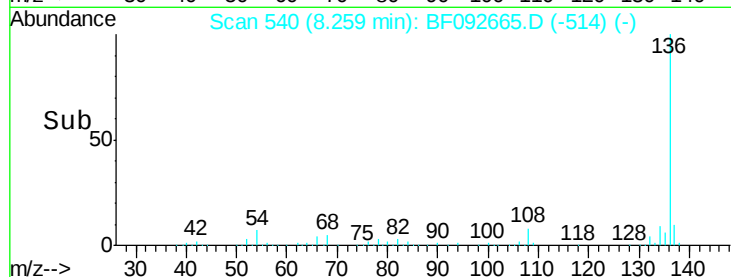
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF092665.D
Acq: 31 Jan 2017 6:44

Instrument :
BNA_F
ClientSampleId :
ELT-WCS012617(0-15)

Tgt Ion:	136	Resp:	564593
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	6.6	4.5	6.7
68	4.9	3.6	5.4

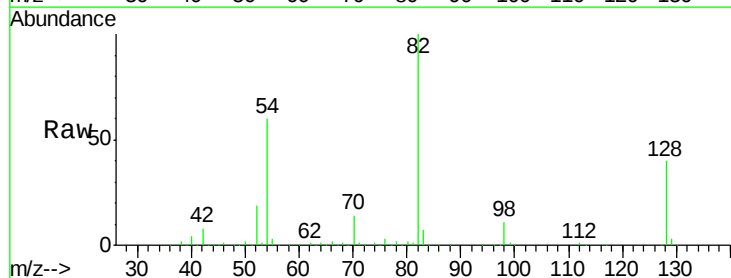


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

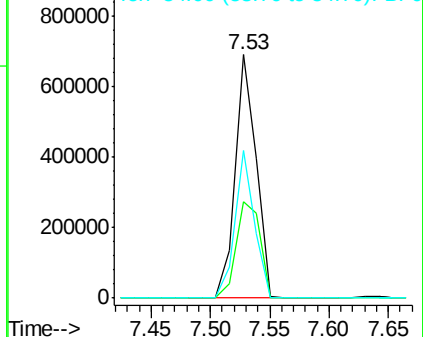
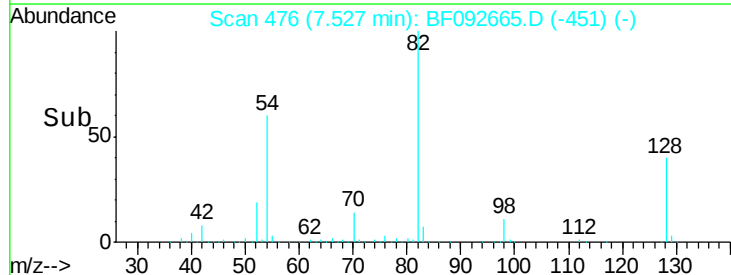


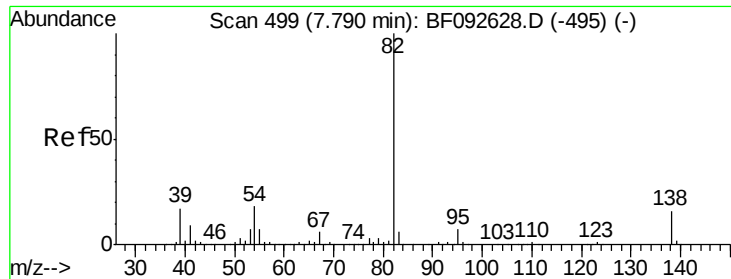
#23
Nitrobenzene-d5
Concen: 83.60 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092665.D
Acq: 31 Jan 2017 6:44

Tgt Ion:	82	Resp:	847561
Ion	Ratio	Lower	Upper
82	100		
128	39.6	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): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.72 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

Instrument :

BNA_F

ClientSampleId :

ELT-WCS012617(0-15)

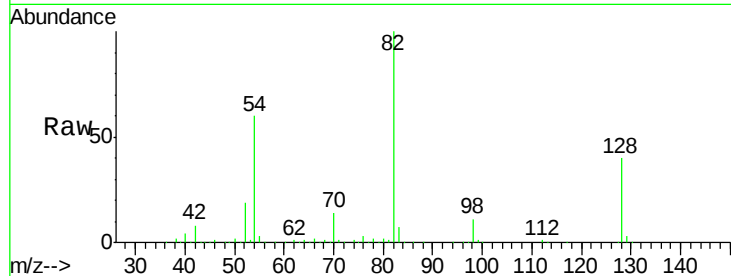
Tgt Ion: 82 Resp: 750379

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

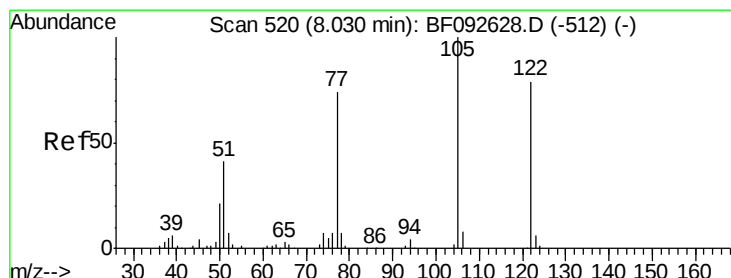
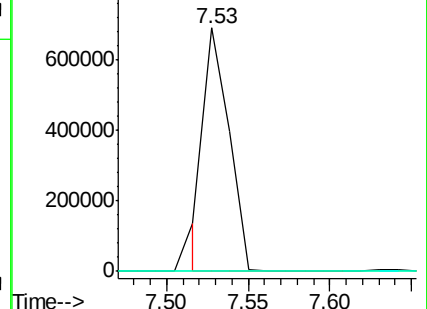
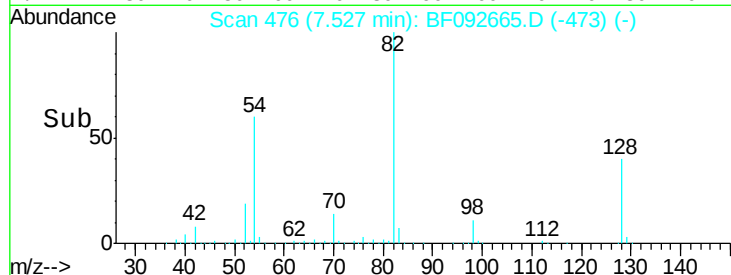
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 7.20 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

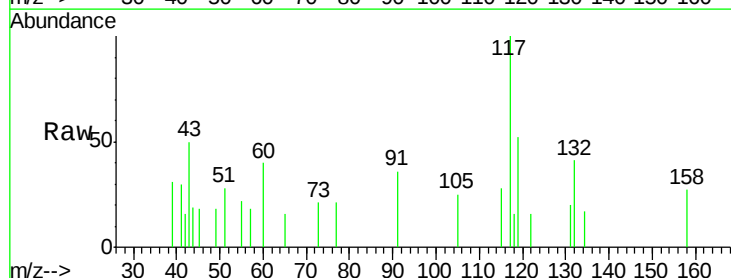
Tgt Ion: 122 Resp: 215

Ion Ratio Lower Upper

122 100

105 153.8 107.2 147.2#

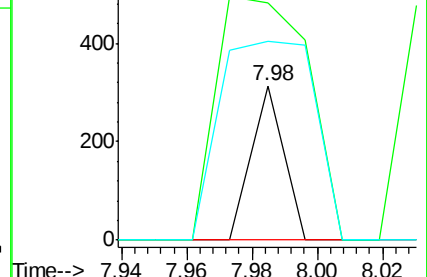
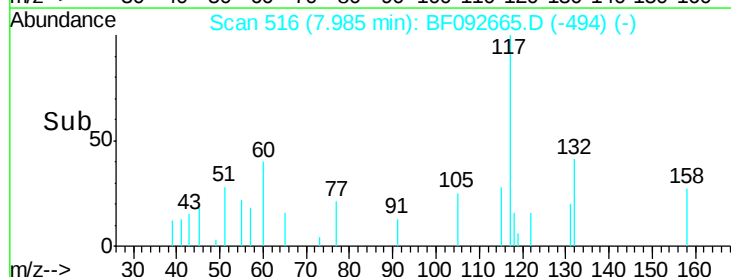
77 128.7 74.5 114.5#

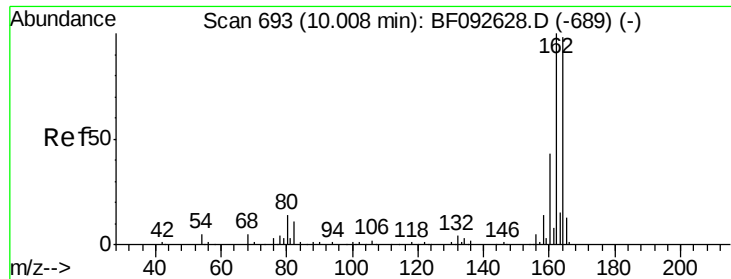


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

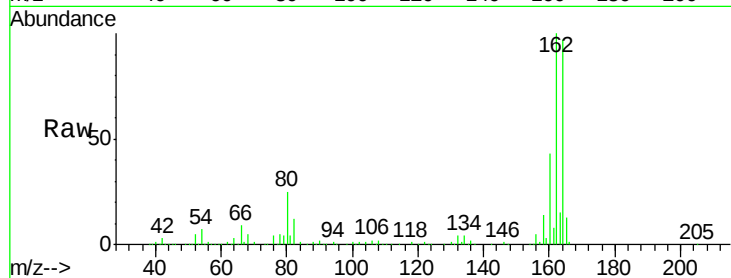




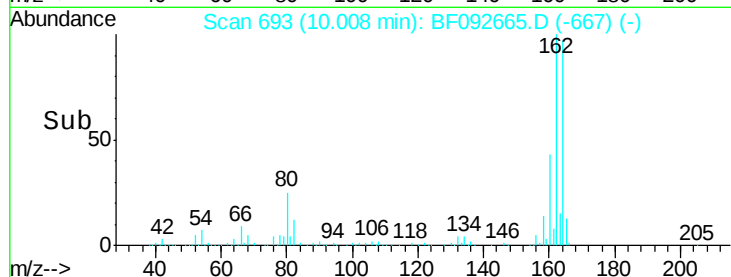
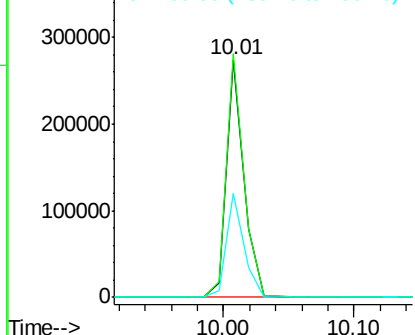
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :
 ELT-WCS012617(0-15)

Tgt Ion:164 Resp: 256890
 Ion Ratio Lower Upper
 164 100
 162 102.6 80.2 120.2
 160 43.7 36.9 55.3

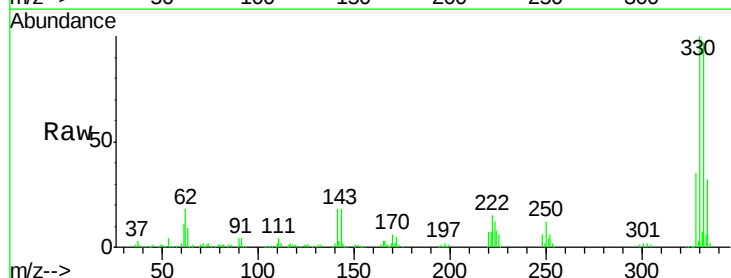


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

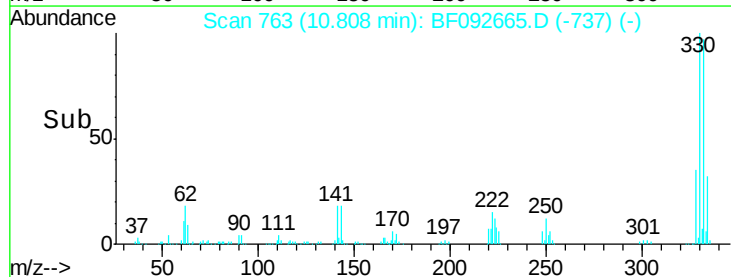
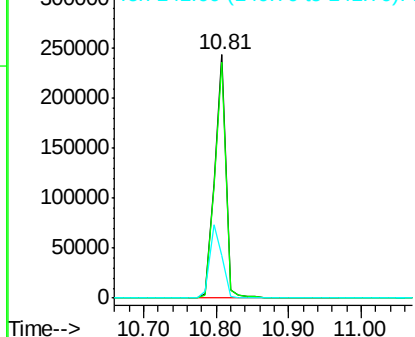


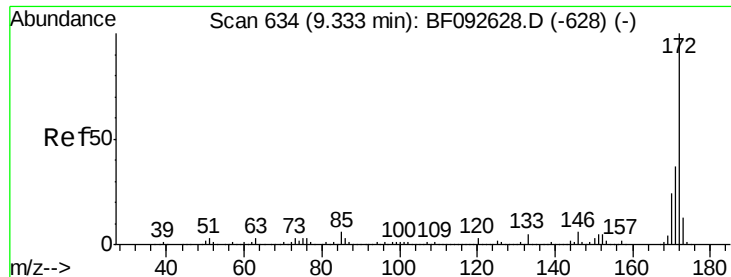
#41
 2,4,6-Tribromophenol
 Concen: 140.74 ng
 RT: 10.81 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Tgt Ion:330 Resp: 261488
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 33.3 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

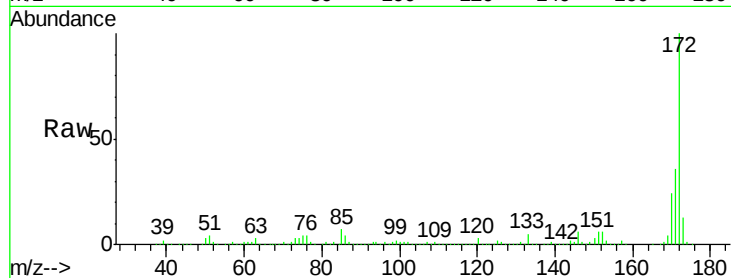




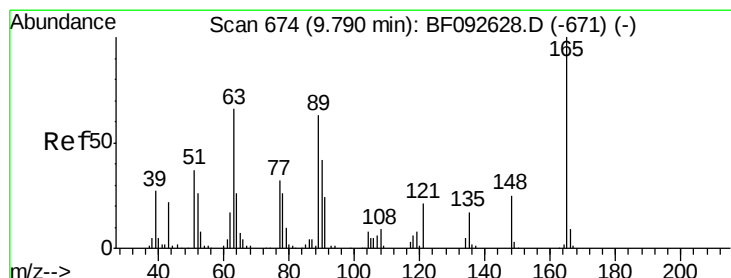
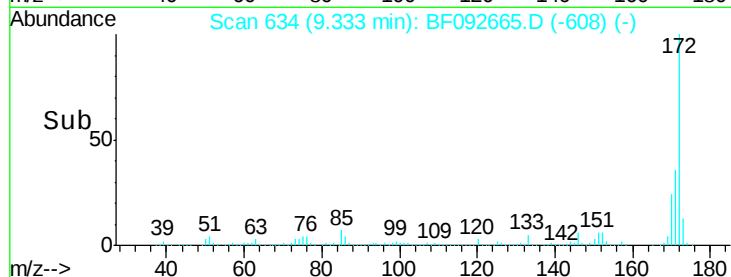
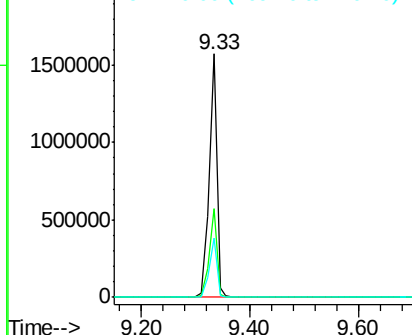
#44
 2-Fluorobiphenyl
 Concen: 107.61 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :
 ELT-WCS012617(0-15)

Tgt Ion:172 Resp: 1525886
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.5 20.2 30.4

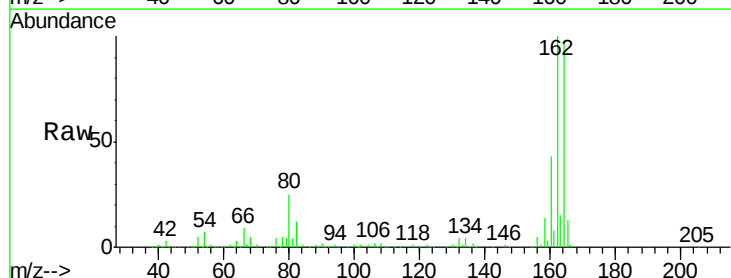


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

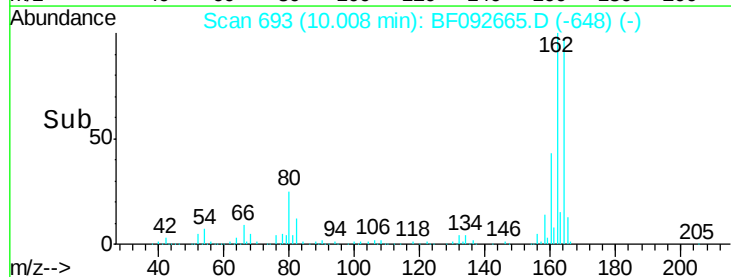
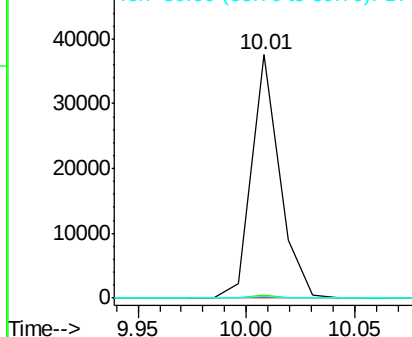


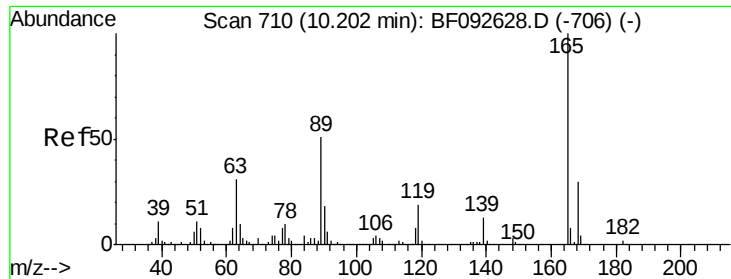
#50
 2,6-Dinitrotoluene
 Concen: 9.02 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.22 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Tgt Ion:165 Resp: 33715
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.2 54.4#
 89 0.9 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

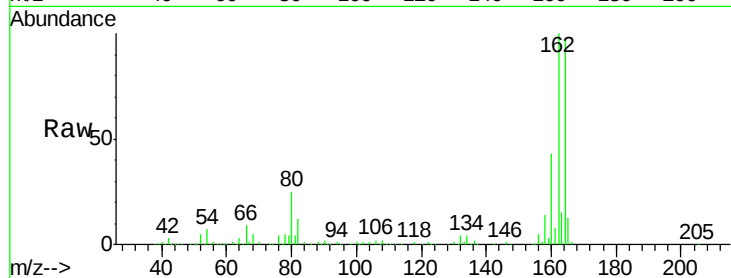




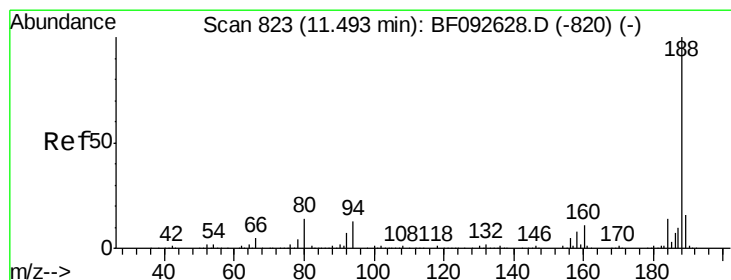
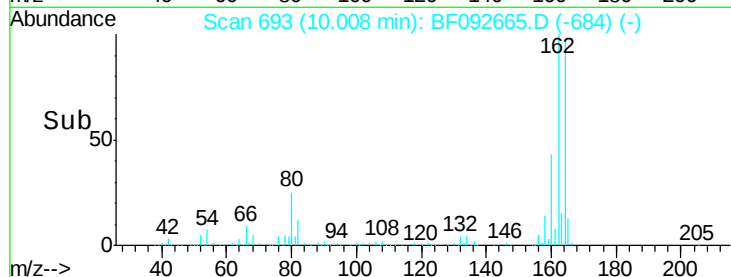
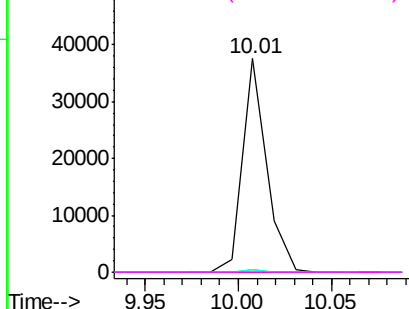
#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.19 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :
 ELT-WCS012617(0-15)

Tgt Ion:	165	Resp:	33716
Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#

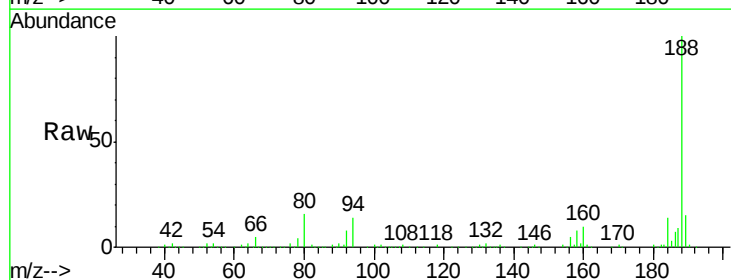


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

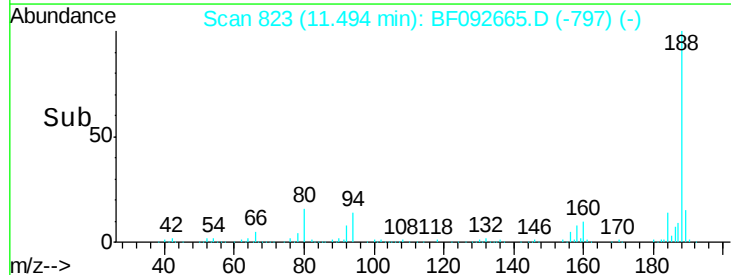
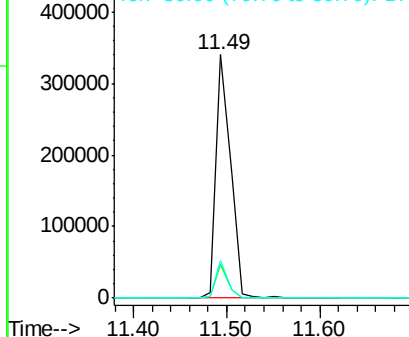


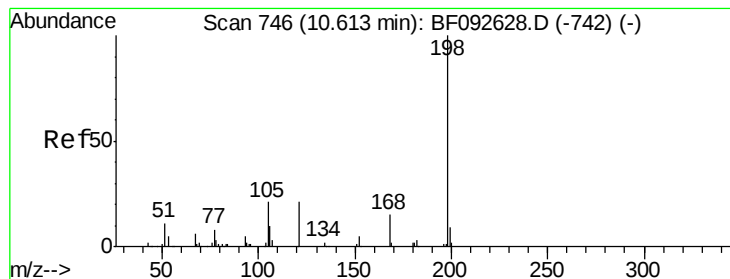
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF092665.D
 Acq: 31 Jan 2017 6:44

Tgt Ion:	188	Resp:	366982
Ion	Ratio	Lower	Upper
188	100		
94	13.8	10.0	15.0
80	15.6	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: 2.93 ng

RT: 10.80 min Scan# 762

Delta R.T. 0.18 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

Instrument :

BNA_F

ClientSampleId :

ELT-WCS012617(0-15)

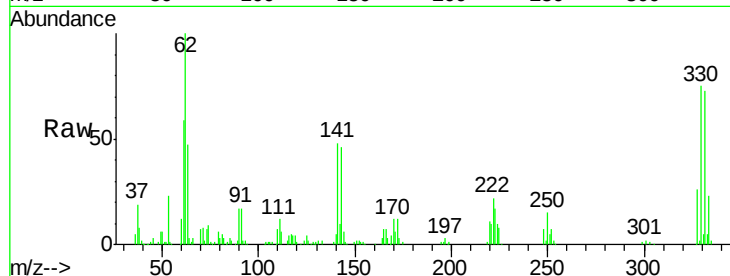
Tgt Ion:198 Resp: 622

Ion Ratio Lower Upper

198 100

51 257.7 6.7 46.7#

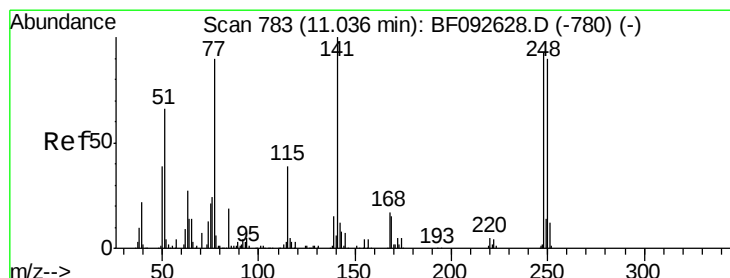
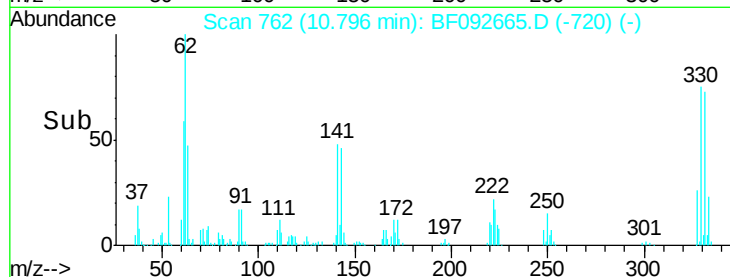
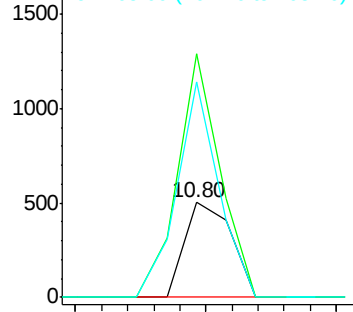
105 228.5 16.6 56.6#



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



#66

4-Bromophenyl-phenylether

Concen: 4.88 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.23 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

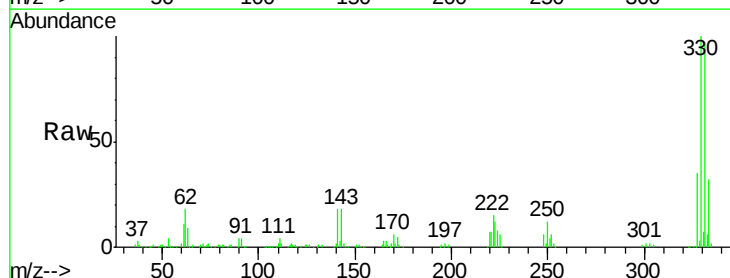
Tgt Ion:248 Resp: 18702

Ion Ratio Lower Upper

248 100

250 201.0 76.9 115.3#

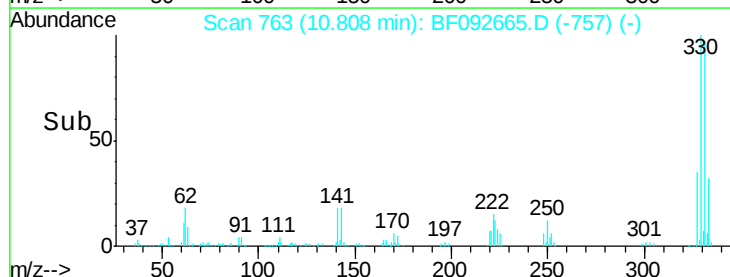
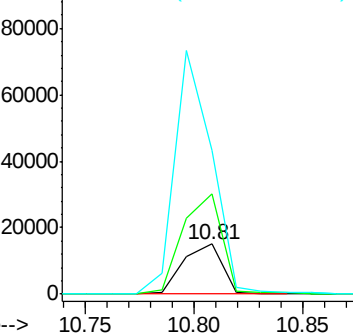
141 285.9 68.2 102.4#

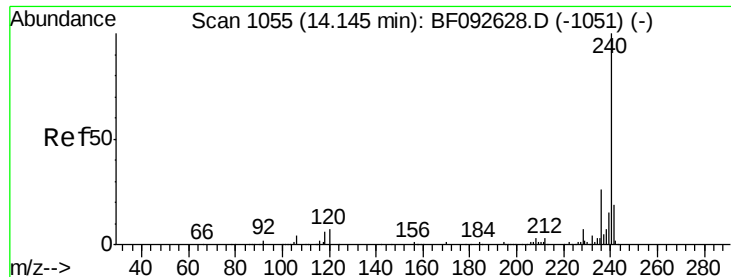


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

Instrument :

BNA_F

ClientSampleId :

ELT-WCS012617(0-15)

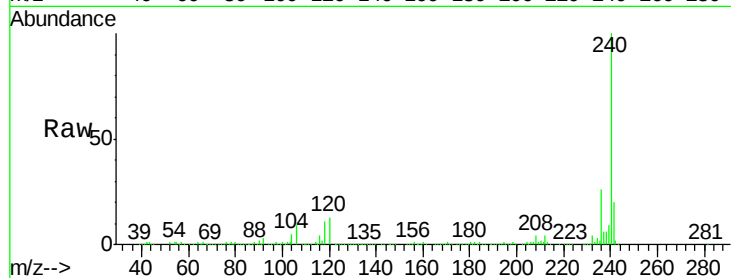
Tgt Ion:240 Resp: 298505

Ion Ratio Lower Upper

240 100

120 13.0 12.9 19.3

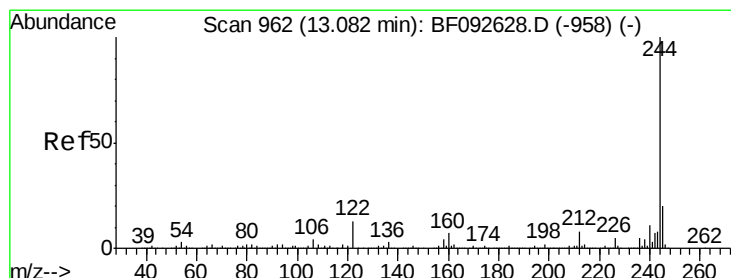
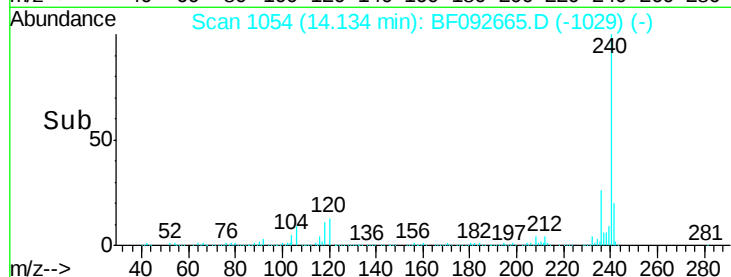
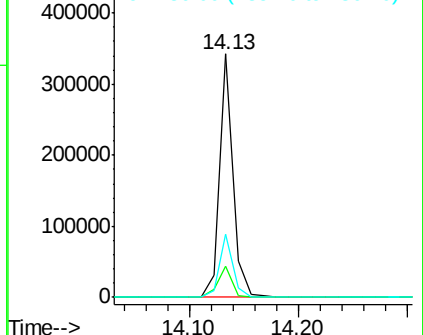
236 26.0 20.9 31.3



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: 82.25 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF092665.D

Acq: 31 Jan 2017 6:44

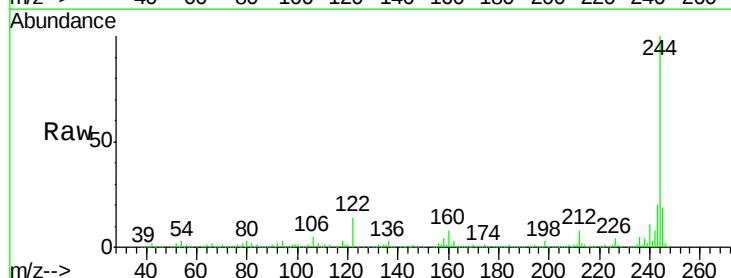
Tgt Ion:244 Resp: 1044943

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

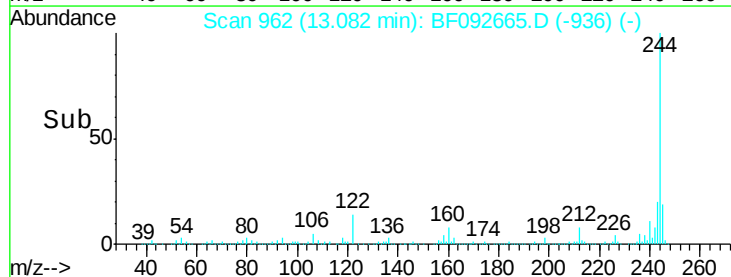
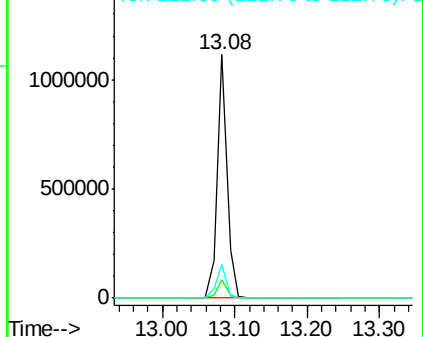
122 14.0 11.4 17.2

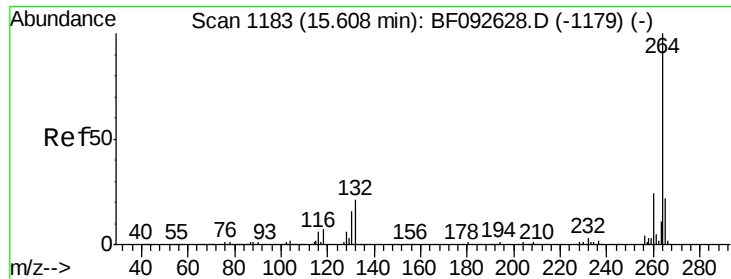


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

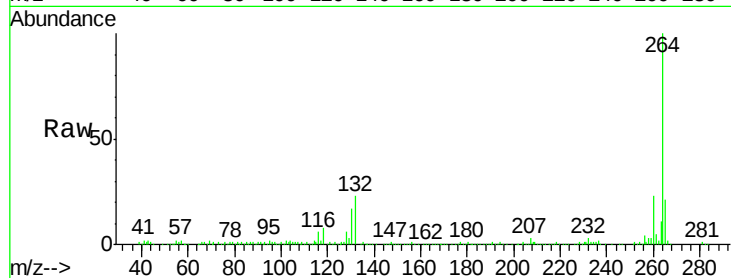




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF092665.D
Acq: 31 Jan 2017 6:44

Instrument :
BNA_F
ClientSampleId :
ELT-WCS012617(0-15)

Tgt Ion: 264 Resp: 209640
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 21.5 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

