

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032871.D
 Acq On : 28 Feb 2018 2:08
 Operator : SJ/JU
 Sample : J1397-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 06:04:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	76257	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	324353	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	181275	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	415080	20.00	ng	0.00
75) Chrysene-d12	22.62	240	380538	20.00	ng	-0.01
86) Perylene-d12	26.43	264	387407	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	534934	112.23	ng	0.00
7) Phenol-d6	8.01	99	626756	94.34	ng	0.00
23) Nitrobenzene-d5	10.12	82	461799	97.19	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	249505	130.90	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1009174	80.29	ng	0.00
78) Terphenyl-d14	20.78	244	1489744	87.96	ng	0.00

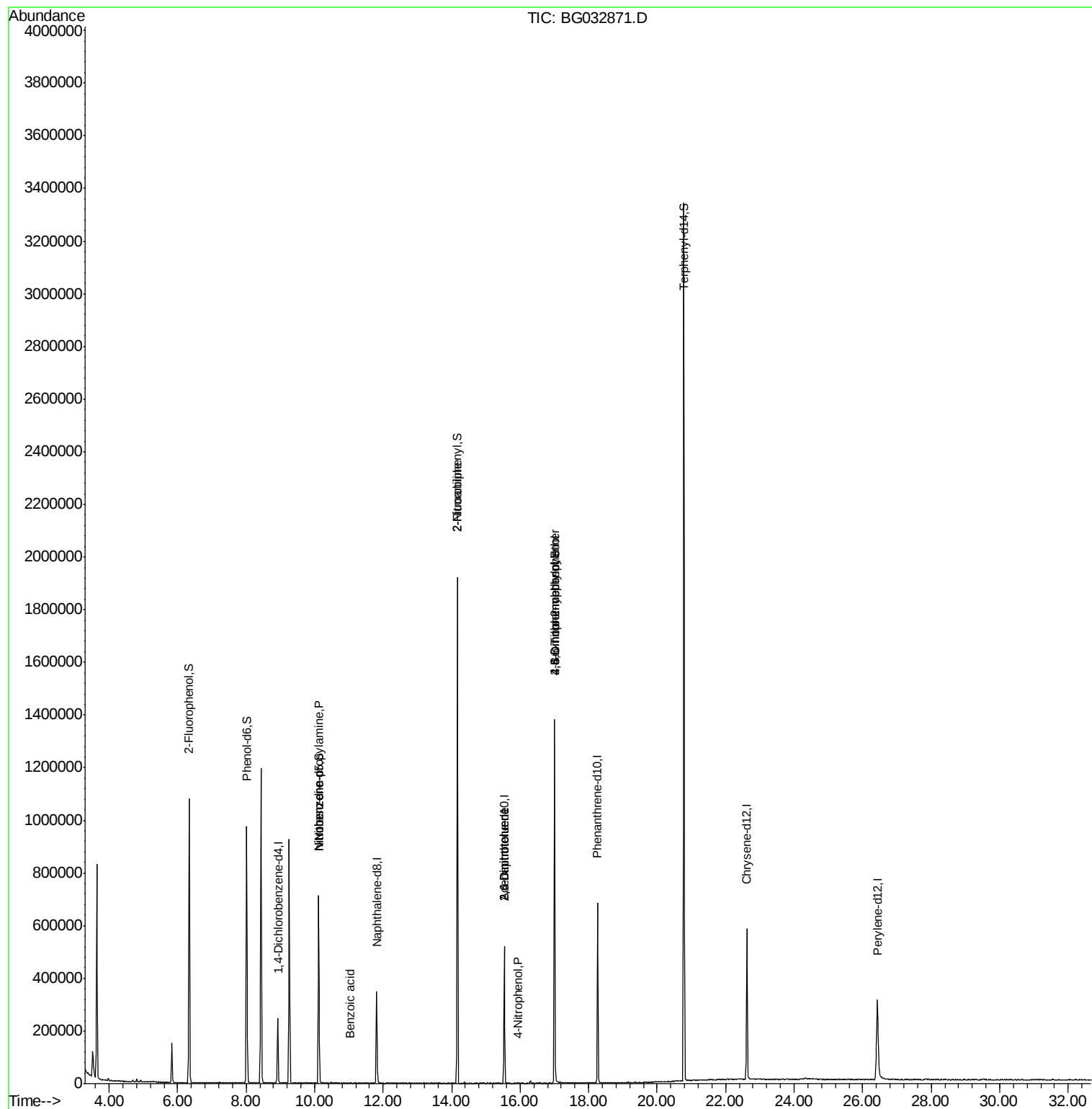
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	59813	12.75	ng	# 81
24) Nitrobenzene	10.12	77	1522	6.64	ng	# 42
32) Benzoic acid	11.03	122	55	5.84	ng	# 1
47) 2-Nitroaniline	14.17	65	1907	10.34	ng	# 2
50) 2,6-Dinitrotoluene	15.53	165	23987	16.57	ng	# 20
55) 4-Nitrophenol	15.92	139	220	7.16	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	23987	14.77	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	488	5.45	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17878	4.07	ng	# 1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampleId :

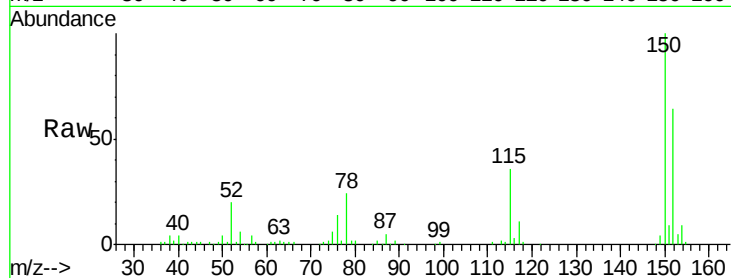
Tot Ion:152 Resp: 76257

Ion Ratio Lower Upper

152 100

150 156.8 126.6 189.8

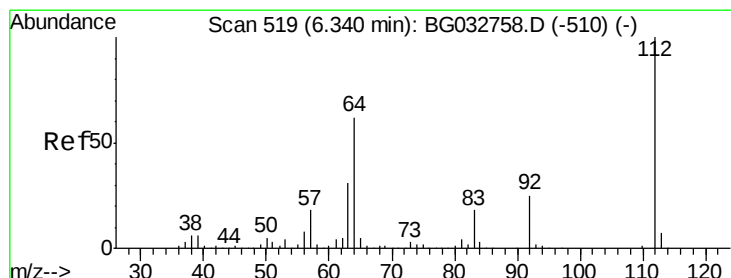
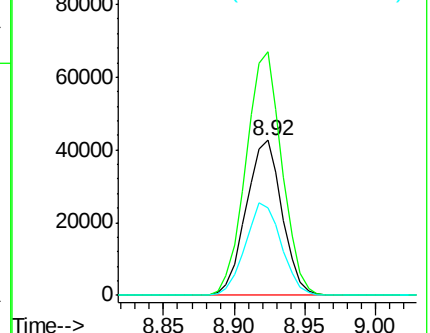
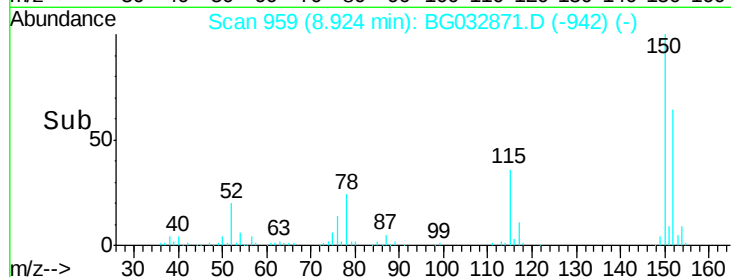
115 56.7 53.0 79.4



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: 112.23 ng

RT: 6.33 min Scan# 518

Delta R.T. -0.00 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

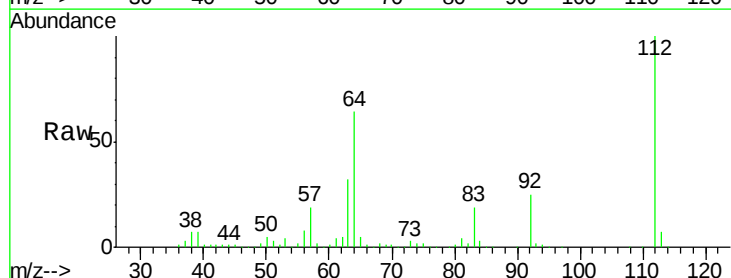
Tgt Ion:112 Resp: 534934

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

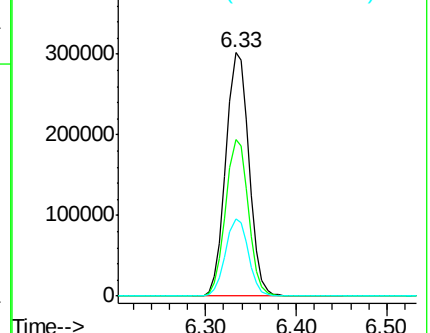
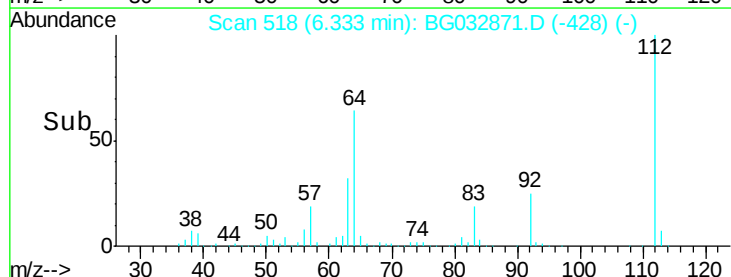
63 31.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.34 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampled :

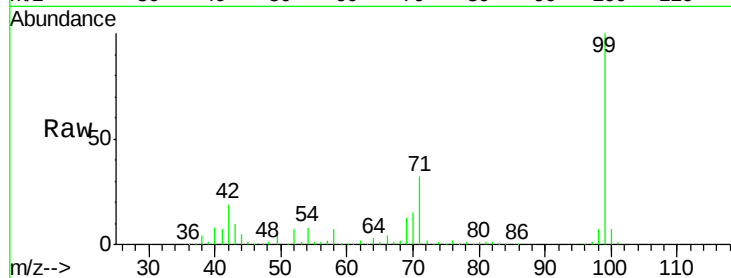
Tot Ion: 99 Resp: 626756

Ion Ratio Lower Upper

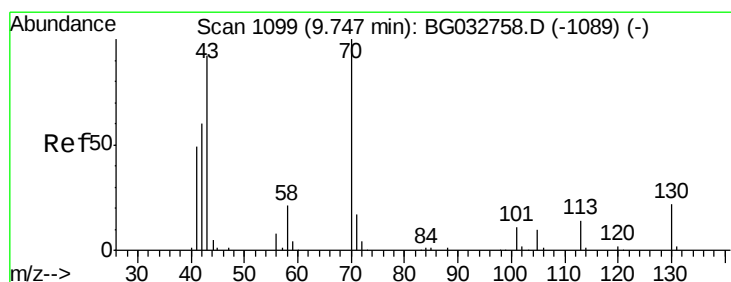
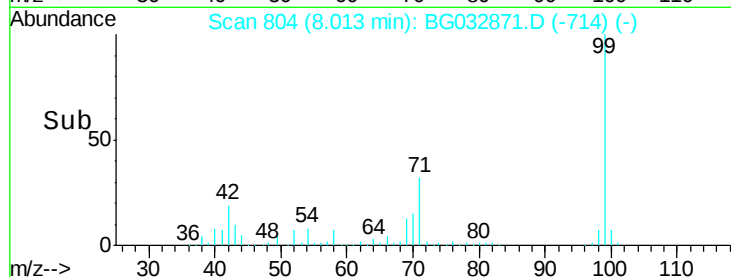
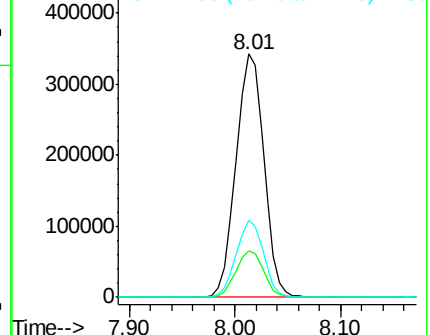
99 100

42 19.0 14.1 21.1

71 31.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 12.75 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Tgt Ion: 70 Resp: 59813

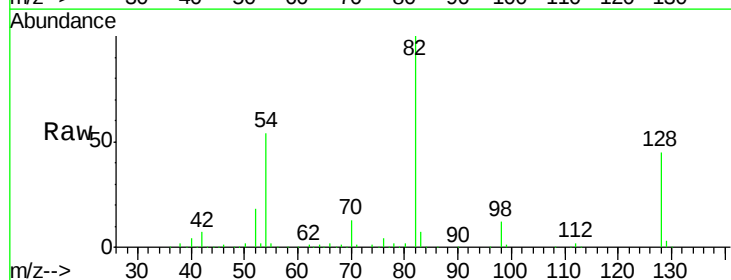
Ion Ratio Lower Upper

70 100

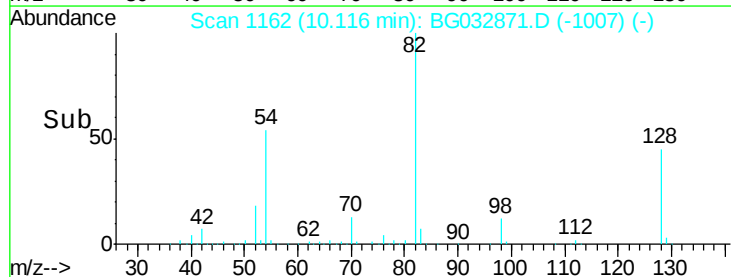
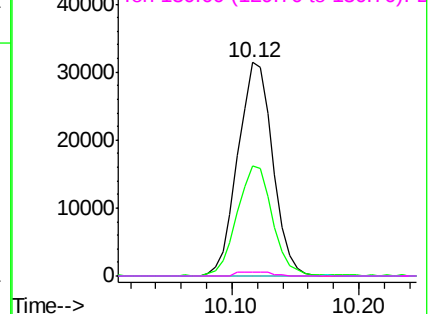
42 51.3 49.1 73.7

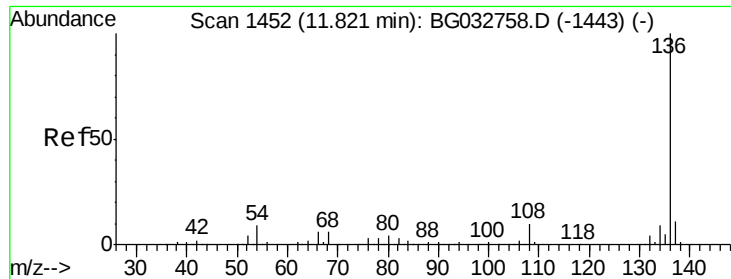
101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

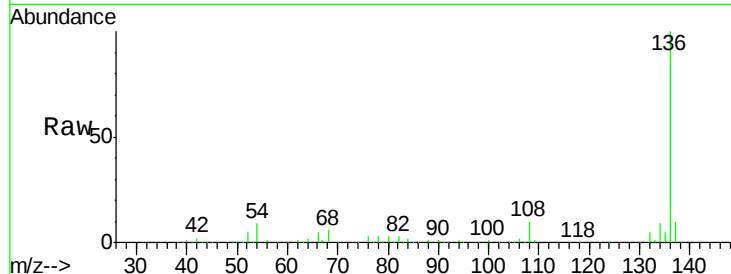




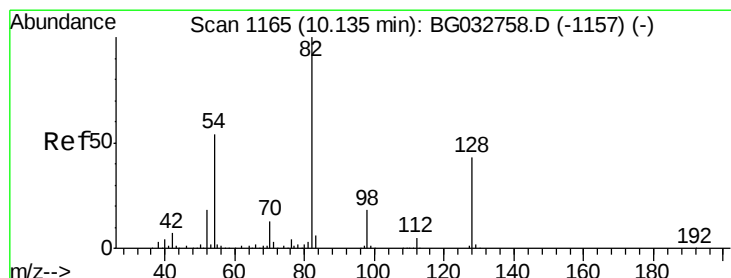
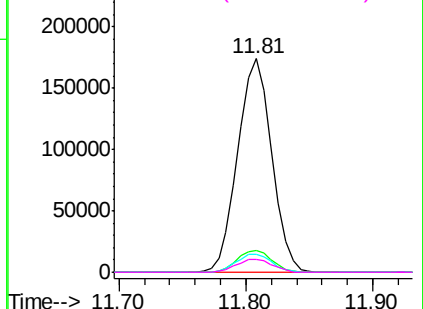
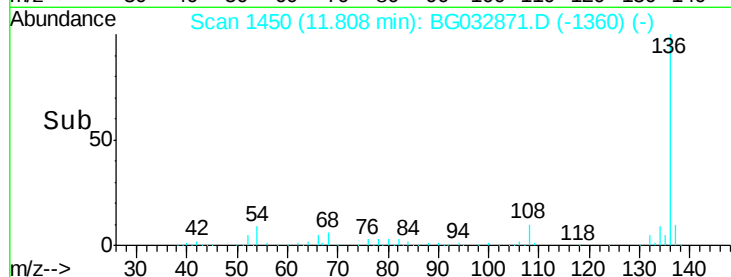
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	324353
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	8.7	10.3 15.5#
68	6.2	4.5 6.7

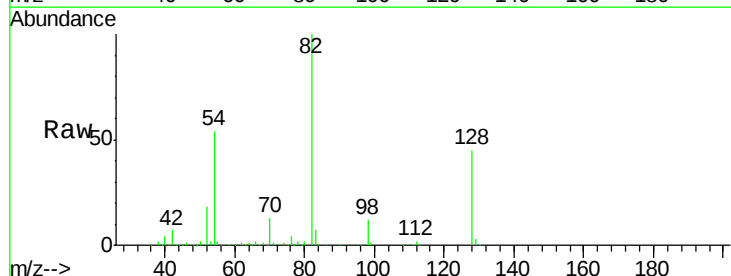


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

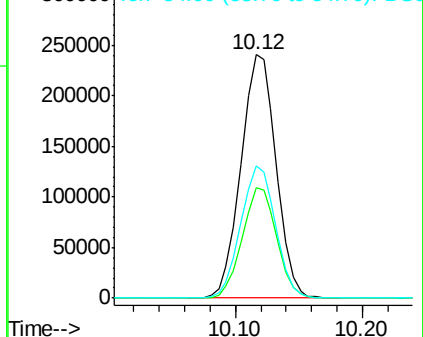
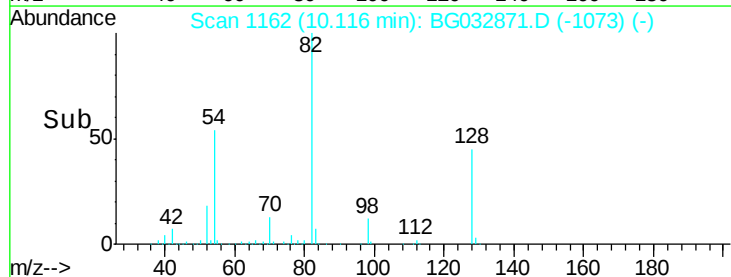


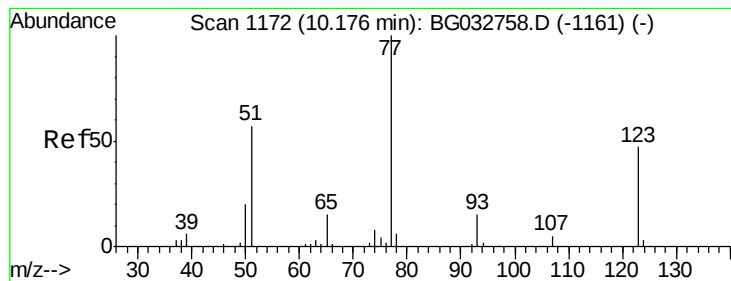
#23
Nitrobenzene-d5
Concen: 97.19 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

Tgt Ion: 82	Resp:	461799
Ion Ratio	Lower	Upper
82	100	
128	45.2	29.7 44.5#
54	54.3	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.64 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.04 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampleId :

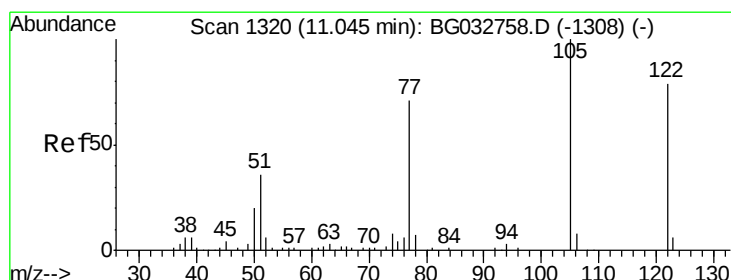
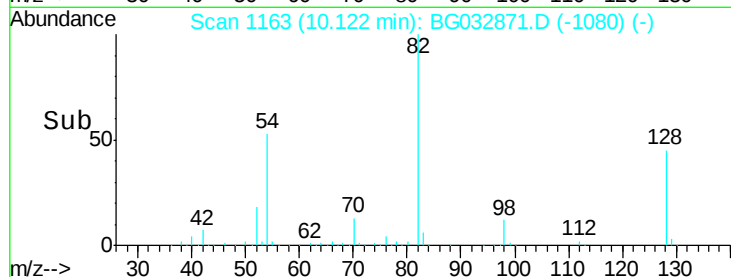
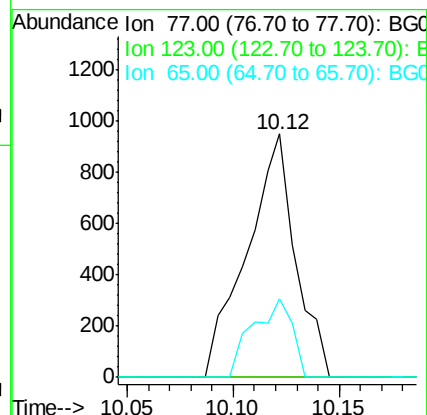
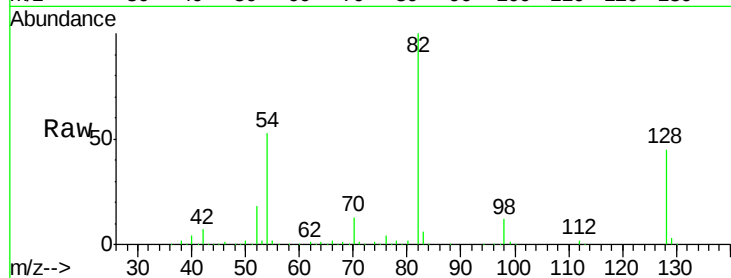
Tot Ion: 77 Resp: 1522

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 32.4 13.0 19.6#



#32

Benzoic acid

Concen: 5.84 ng

RT: 11.03 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

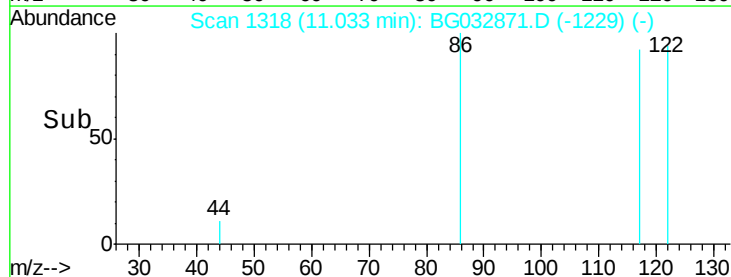
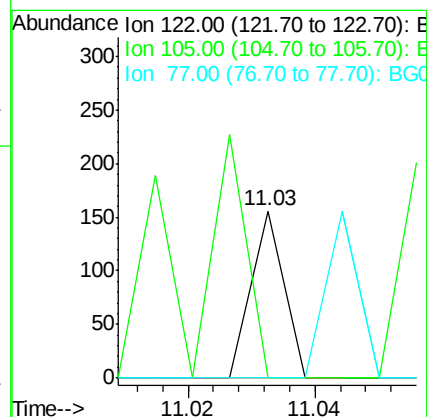
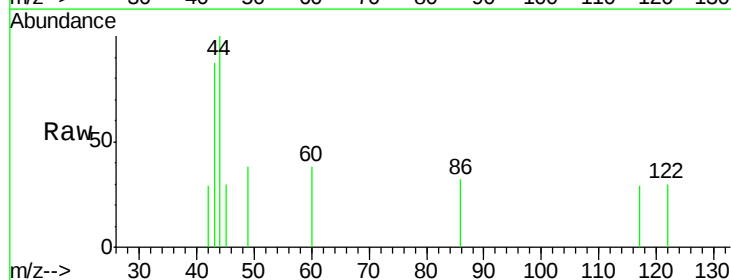
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

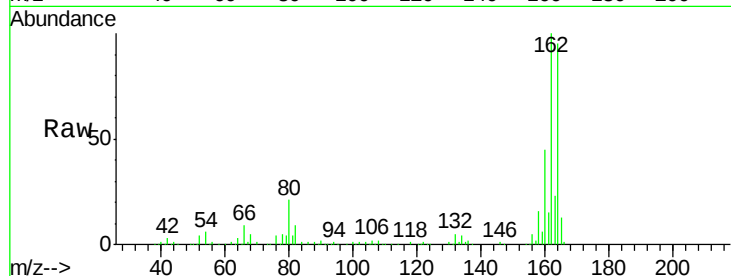




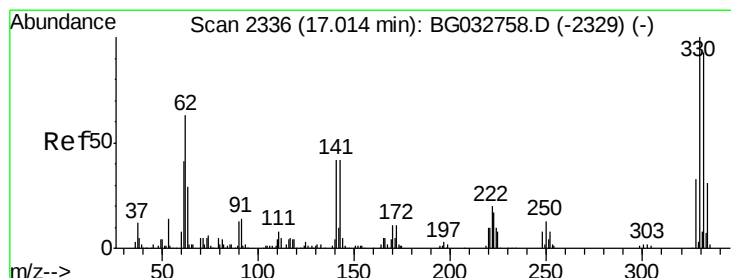
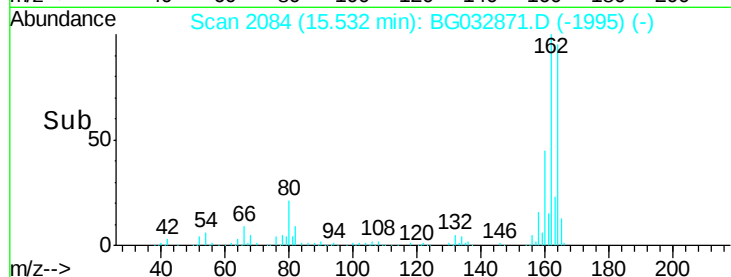
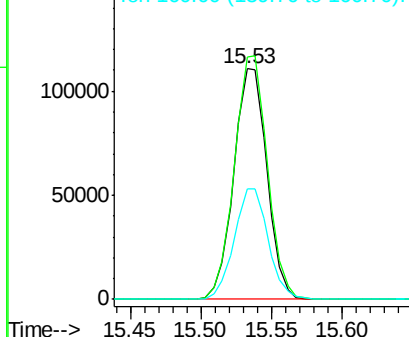
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 181275
Ion Ratio Lower Upper
164 100
162 105.1 78.8 118.2
160 47.8 35.4 53.0

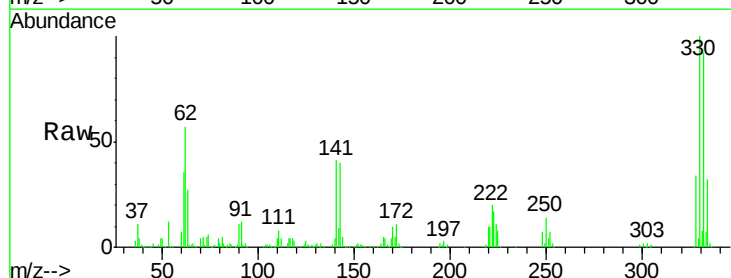


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

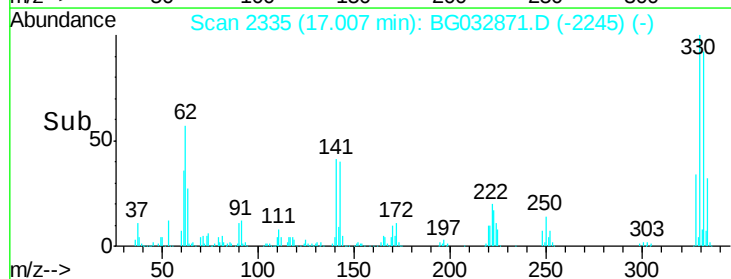
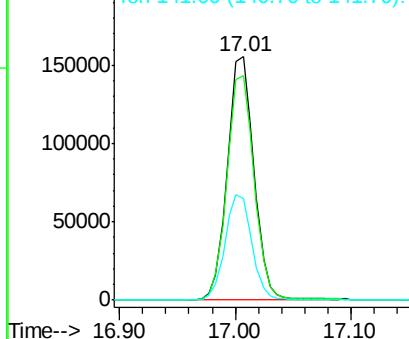


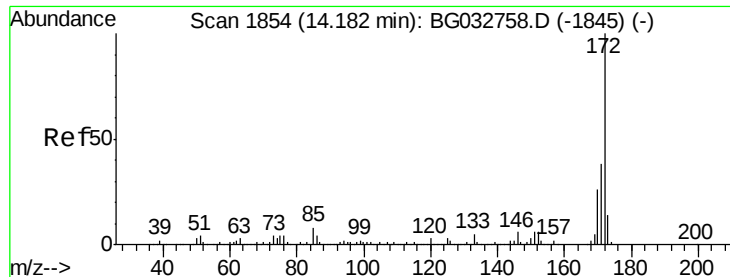
#41
2,4,6-Tribromophenol
Concen: 130.90 ng
RT: 17.01 min Scan# 2335
Delta R.T. -0.00 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

Tgt Ion:330 Resp: 249505
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.6
141 43.7 25.2 37.8#



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

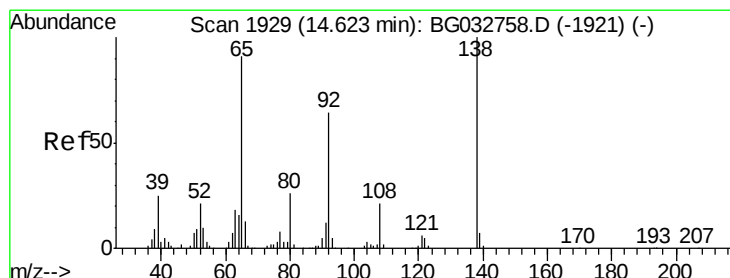
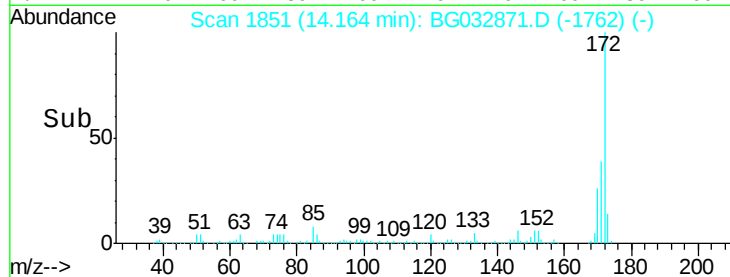
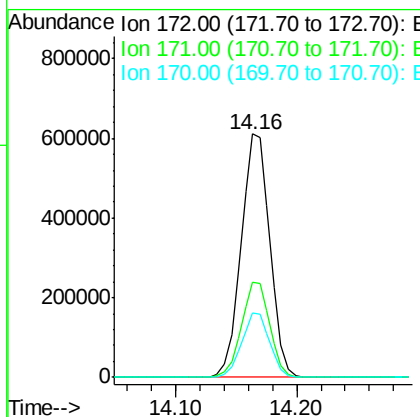
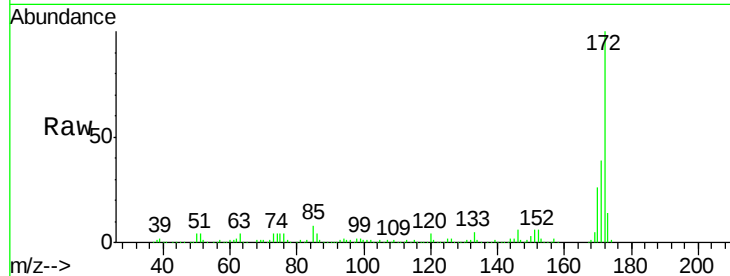




#44
 2-Fluorobiphenyl
 Concen: 80.29 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032871.D
 Acq: 28 Feb 2018 2:08

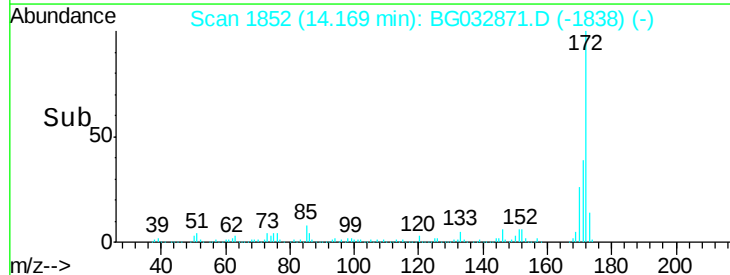
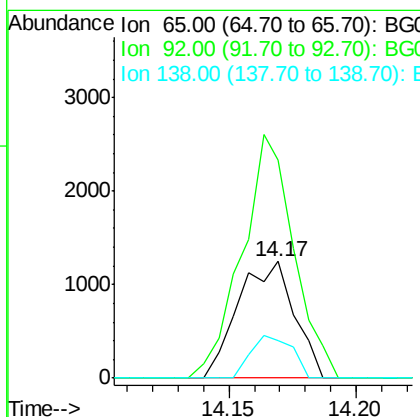
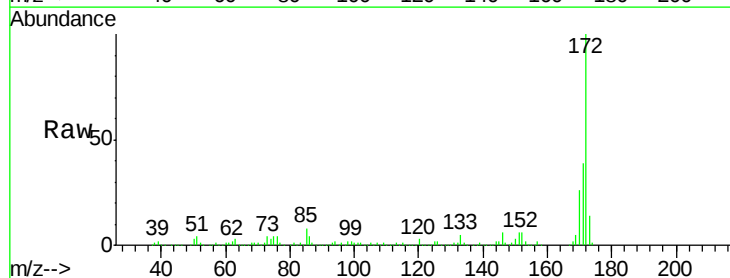
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1009174
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.0 45.0
 170 26.3 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.34 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032871.D
 Acq: 28 Feb 2018 2:08

Tgt Ion: 65 Resp: 1907
 Ion Ratio Lower Upper
 65 100
 92 187.4 54.6 82.0#
 138 32.2 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.57 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampleId :

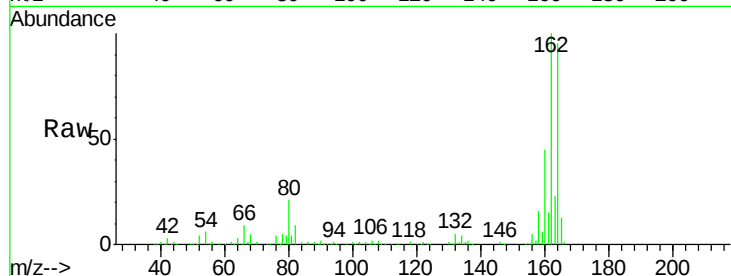
Tot Ion:165 Resp: 23987

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

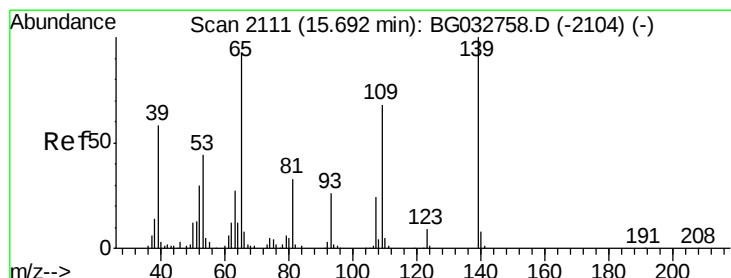
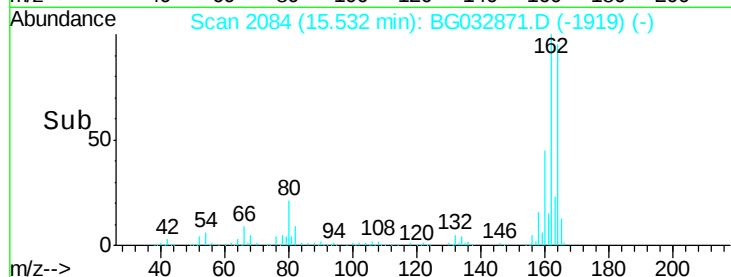
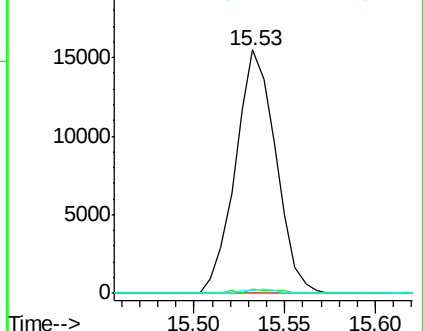
89 1.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55

4-Nitrophenol

Concen: 7.16 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.23 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

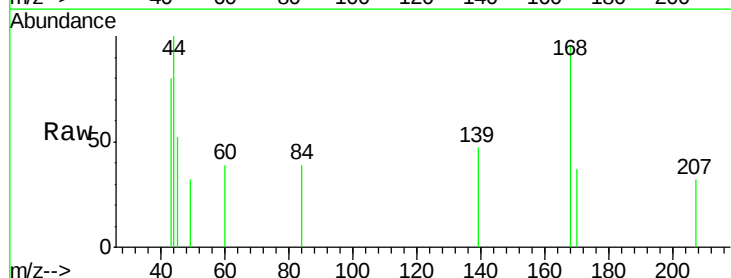
Tgt Ion:139 Resp: 220

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

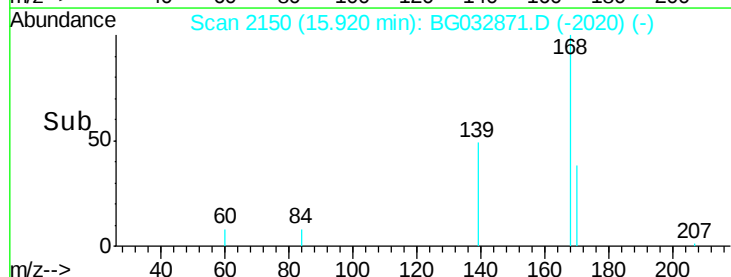
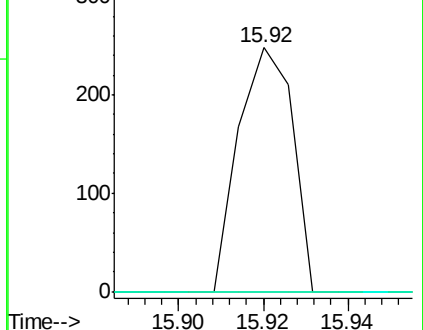
65 0.0 97.2 137.2#

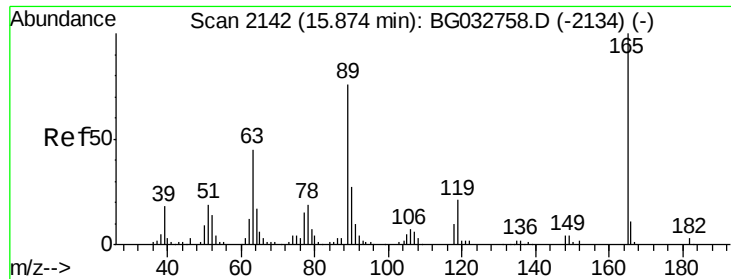


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

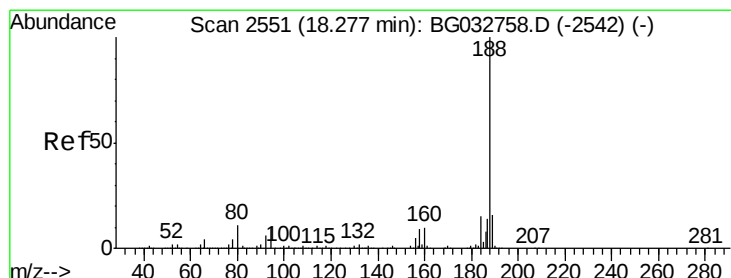
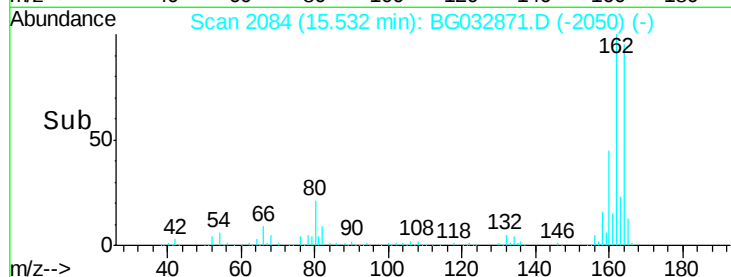
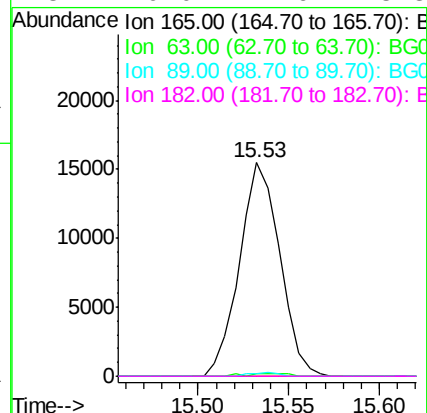
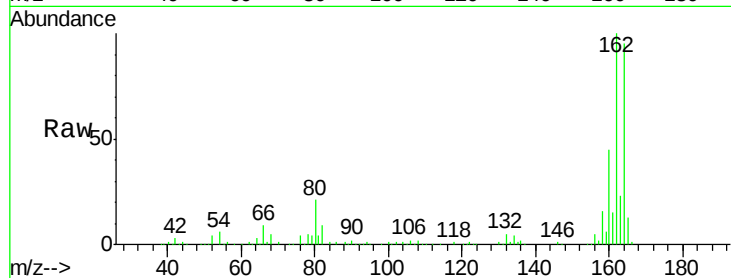




#56
2,4-Dinitrotoluene
Concen: 14.77 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

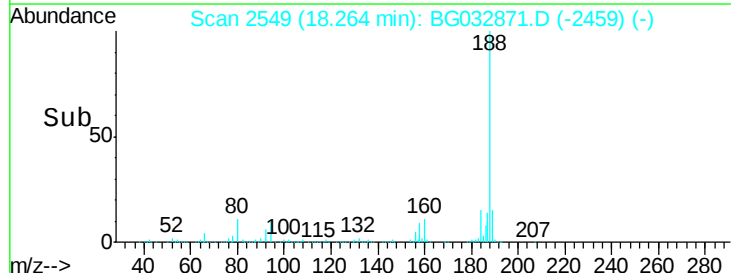
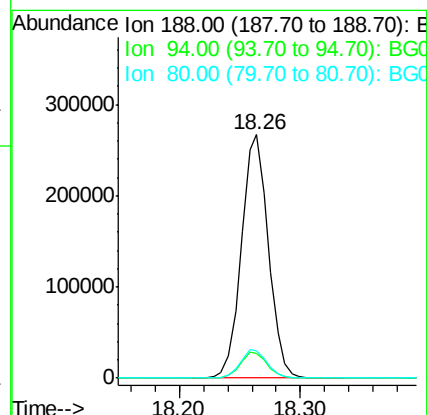
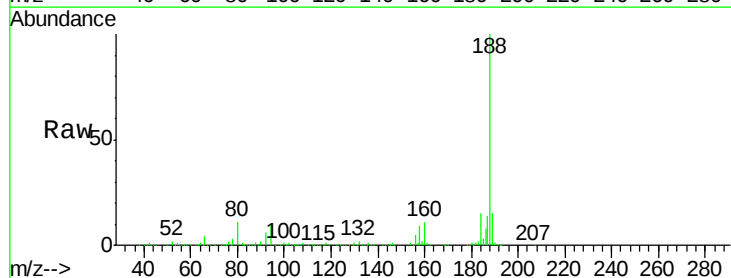
Instrument :
BNA_F
ClientSampleId :

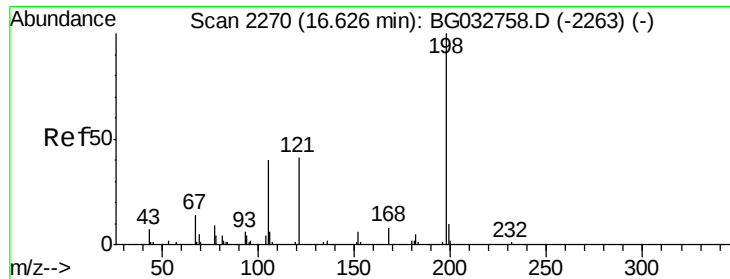
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	1.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032871.D
Acq: 28 Feb 2018 2:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.9	10.3
80	11.1	7.7	11.5

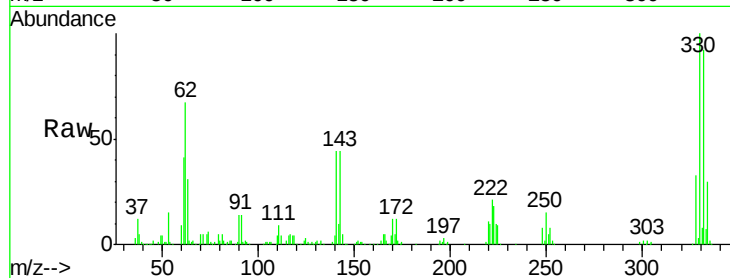




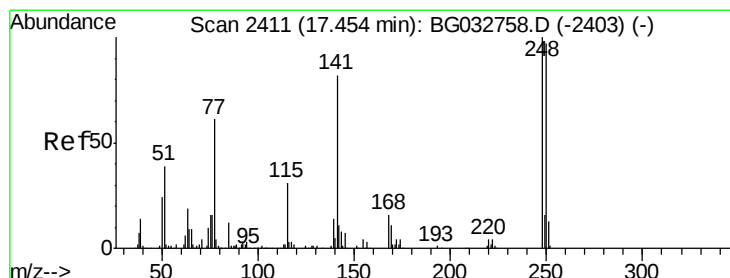
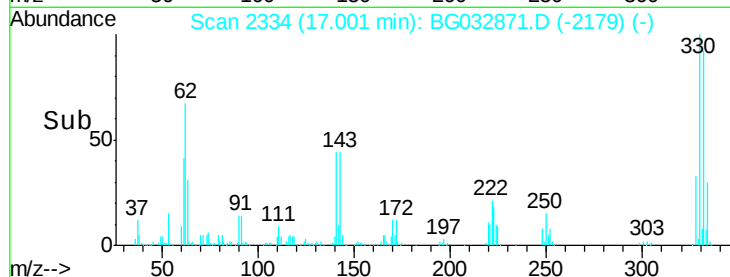
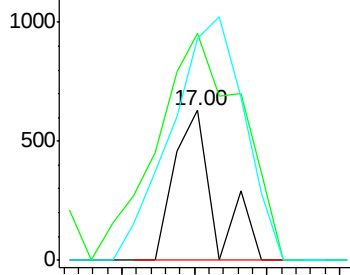
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.45 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032871.D
 Acq: 28 Feb 2018 2:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 488
 Ion Ratio Lower Upper
 198 100
 51 151.1 30.6 70.6#
 105 148.1 23.8 63.8#

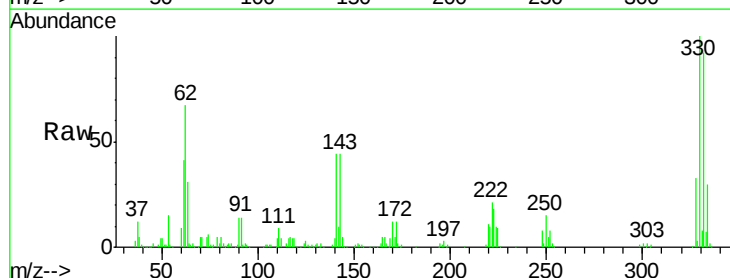


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

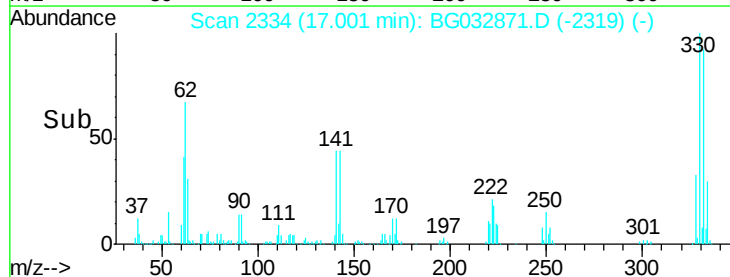
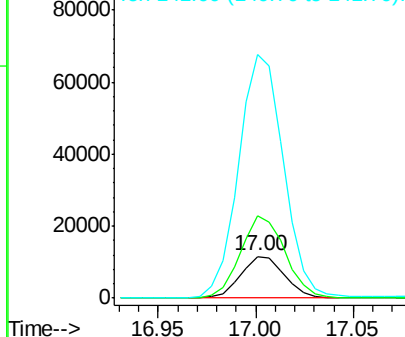


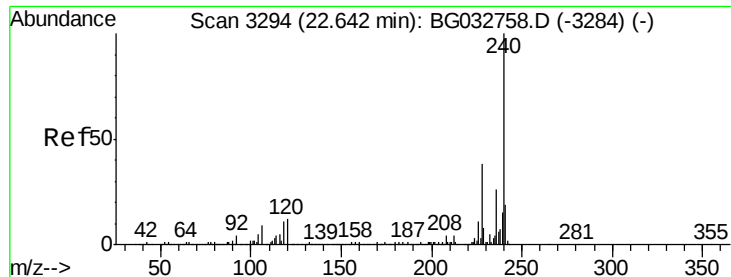
#66
 4-Bromophenyl-phenylether
 Concen: 4.07 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.44 min
 Lab File: BG032871.D
 Acq: 28 Feb 2018 2:08

Tgt Ion:248 Resp: 17878
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.1 115.7#
 141 584.5 50.8 76.2#



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: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampleId :

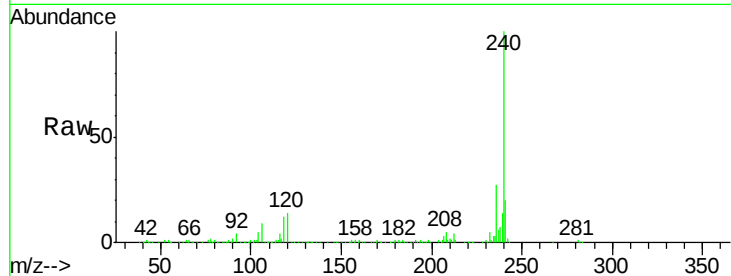
Tot Ion:240 Resp: 380538

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

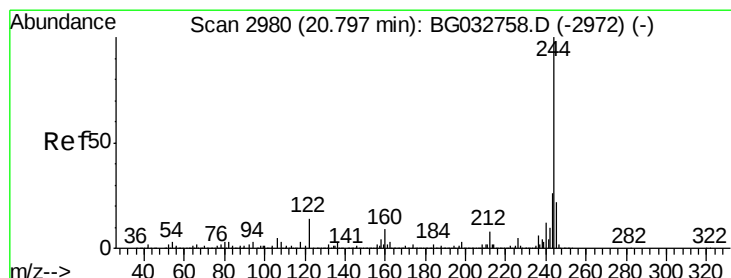
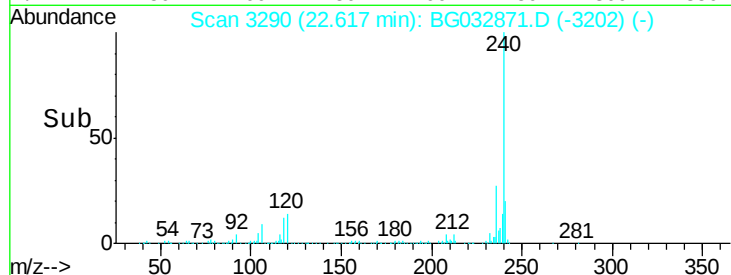
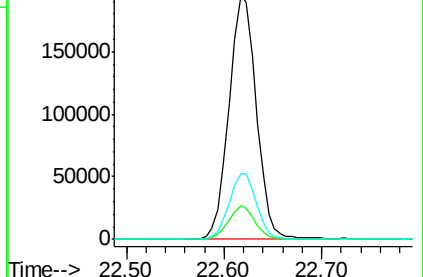
236 27.1 20.9 31.3



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: 87.96 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

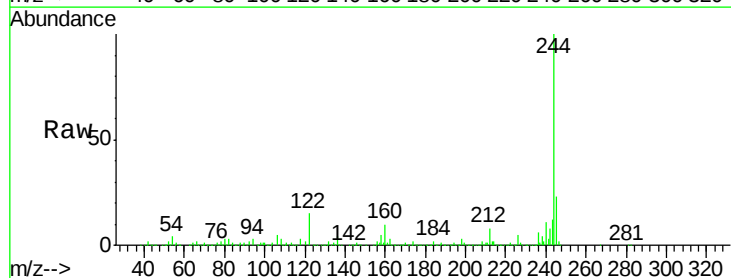
Tgt Ion:244 Resp: 1489744

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

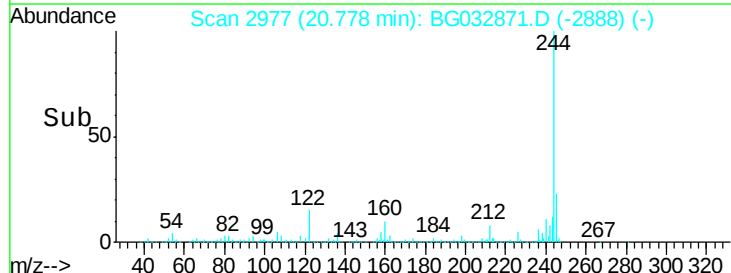
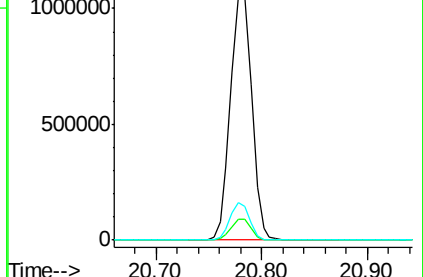
122 15.4 7.0 10.4#

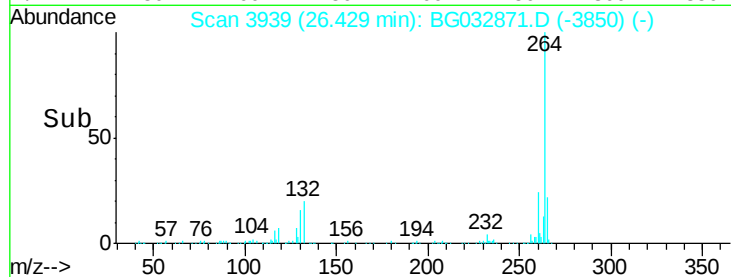
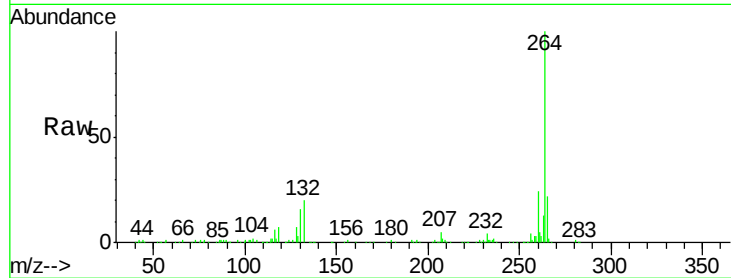
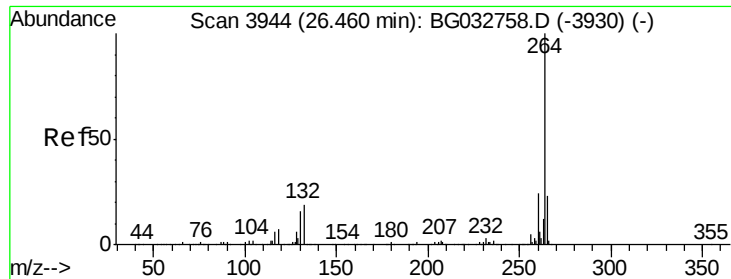


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032871.D

Acq: 28 Feb 2018 2:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 264 Resp: 387407

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 22.1 17.7 26.5

