

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032908.D
 Acq On : 1 Mar 2018 5:18
 Operator : SJ/JU
 Sample : J1709-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 07:42:33 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	75490	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	332495	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	189535	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	415549	20.00	ng	0.00
75) Chrysene-d12	22.61	240	371022	20.00	ng	-0.02
86) Perylene-d12	26.42	264	368699	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	675762	143.21	ng	0.00
7) Phenol-d6	8.02	99	823771	125.25	ng	0.00
23) Nitrobenzene-d5	10.12	82	582359	117.28	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	314491	157.81	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1288903	98.08	ng	0.00
78) Terphenyl-d14	20.78	244	1724461	104.42	ng	0.00

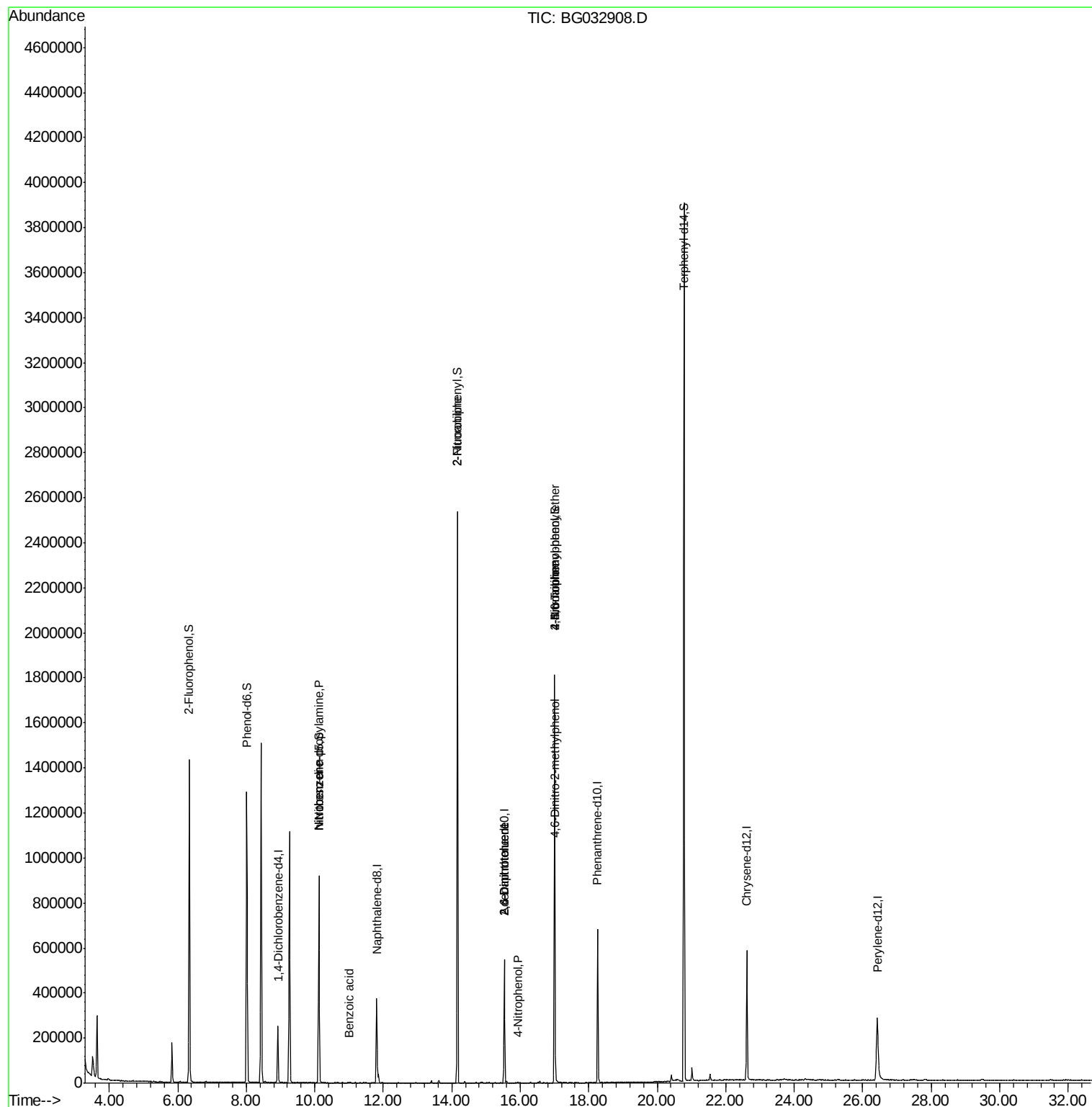
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	76680	16.514	ng	# 83
24) Nitrobenzene	10.13	77	1720	6.662	ng	# 50
32) Benzoic acid	11.01	122	56	5.836	ng	# 26
47) 2-Nitroaniline	14.17	65	2173	10.389	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23646	16.130	ng	# 19
55) 4-Nitrophenol	15.92	139	850	7.375	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23646	14.326	ng	# 17
61) 4-Nitroaniline	17.00	138	72	5.318	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.02	198	1427	6.401	ng	# 64
66) 4-Bromophenyl-phenylether	17.00	248	23280	5.298	ng	# 1

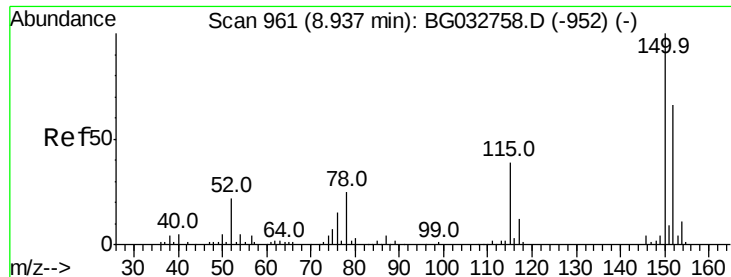
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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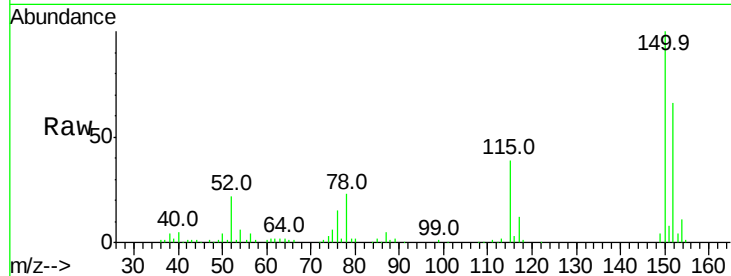


#1

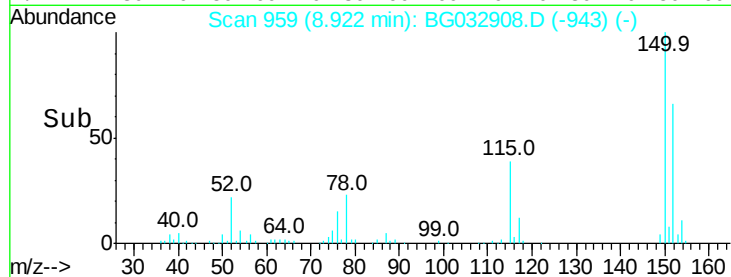
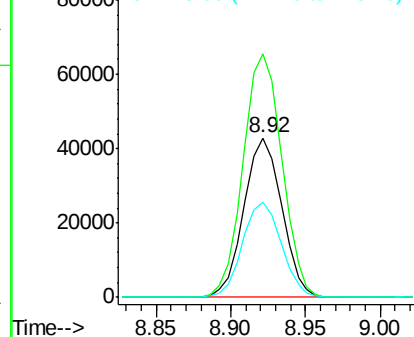
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75490
Ion Ratio Lower Upper
152 100
150 152.6 126.6 189.8
115 59.9 53.0 79.4



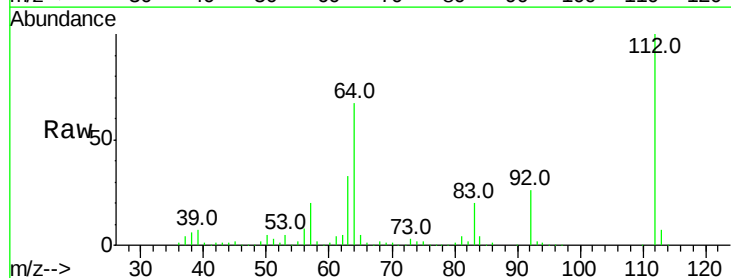
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



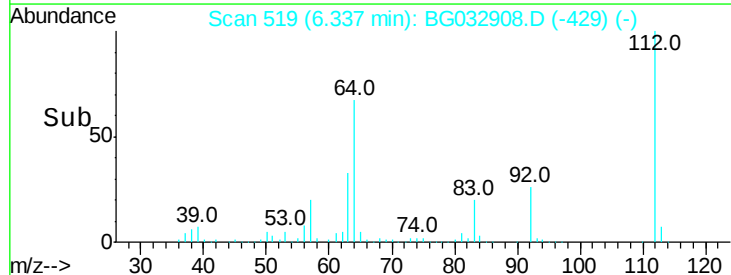
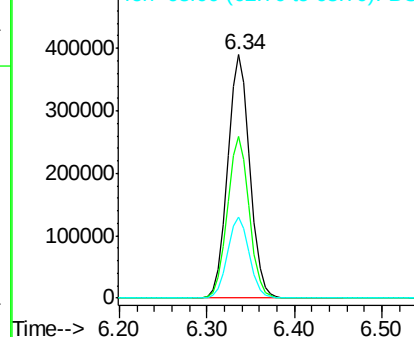
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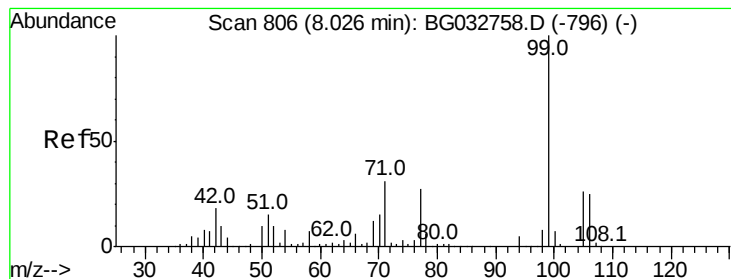
2-Fluorophenol
Concen: 143.214 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Tgt Ion:112 Resp: 675762
Ion Ratio Lower Upper
112 100
64 66.5 56.3 84.5
63 33.3 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: 125.250 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

Instrument :

BNA_F

ClientSampled :

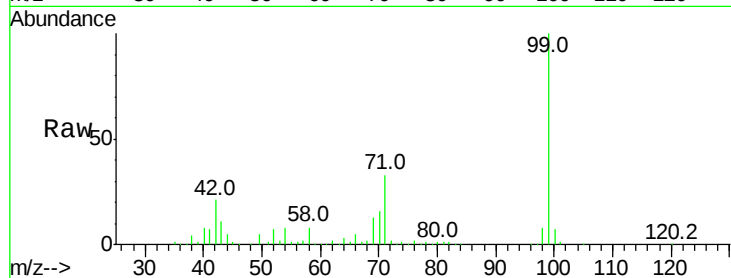
Tot Ion: 99 Resp: 823771

Ion Ratio Lower Upper

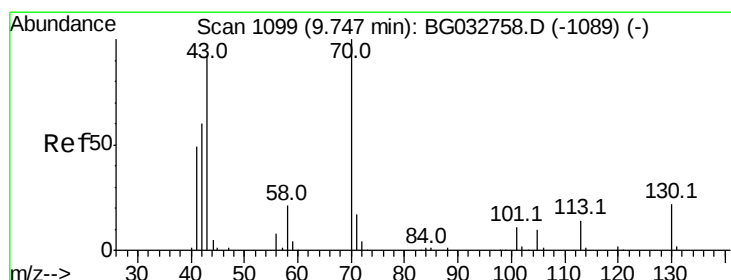
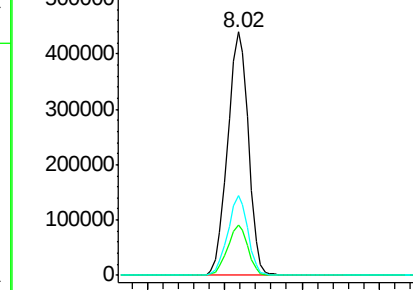
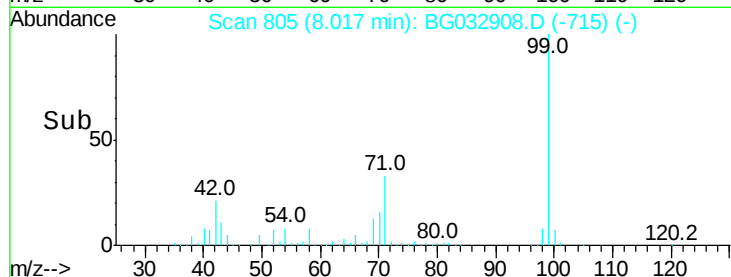
99 100

42 20.7 14.1 21.1

71 33.0 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: 16.514 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

Tgt Ion: 70 Resp: 76680

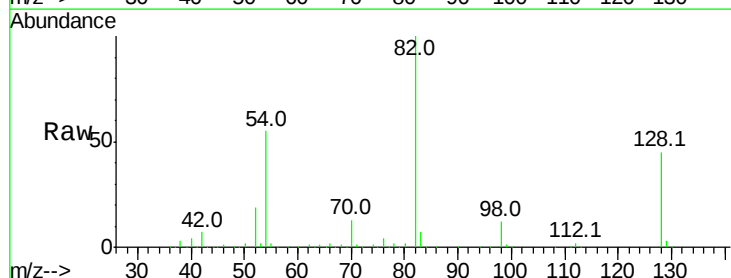
Ion Ratio Lower Upper

70 100

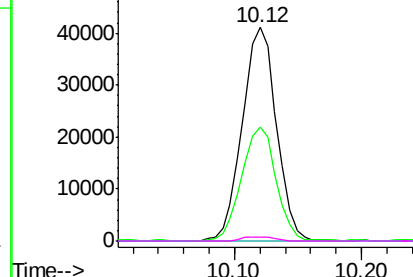
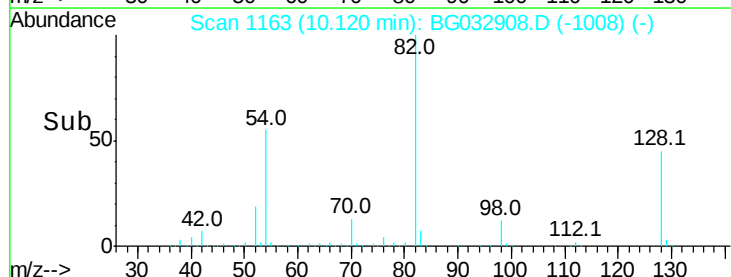
42 53.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

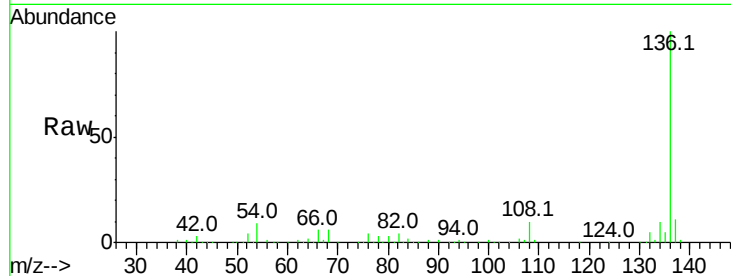




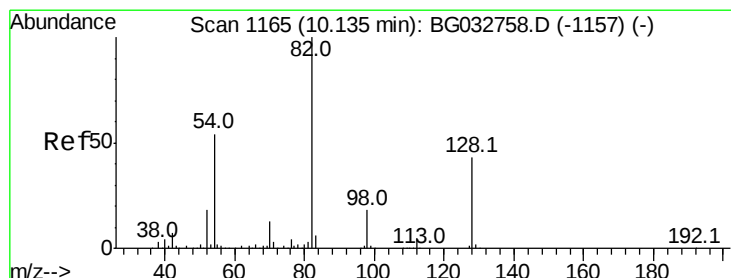
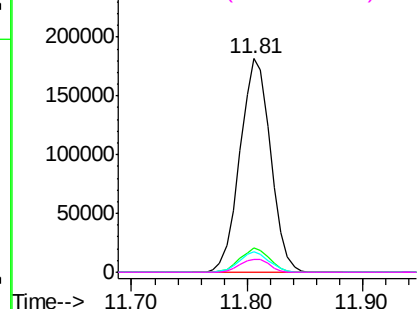
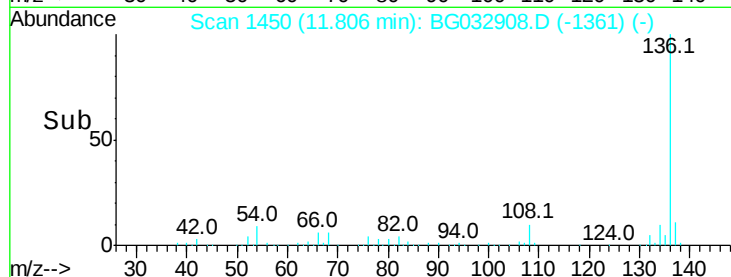
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	9.4	10.3	15.5
68	6.1	4.5	6.7

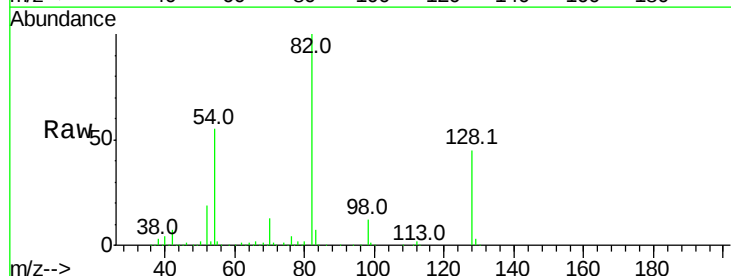


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

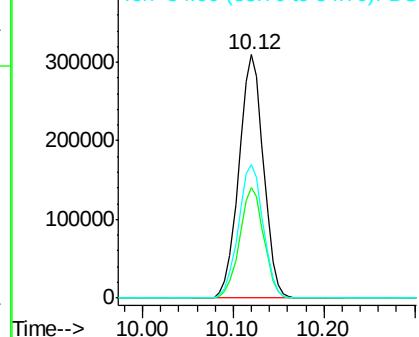
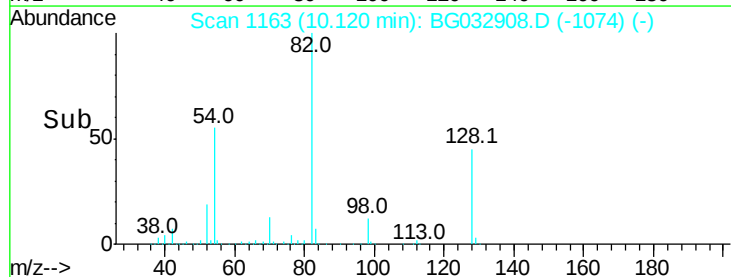


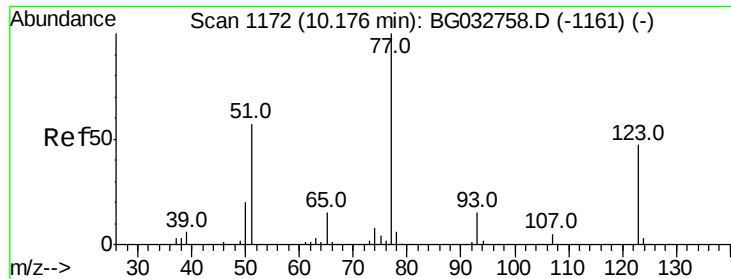
#23
Nitrobenzene-d5
Concen: 117.283 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.7	44.5
54	55.0	43.1	64.7



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

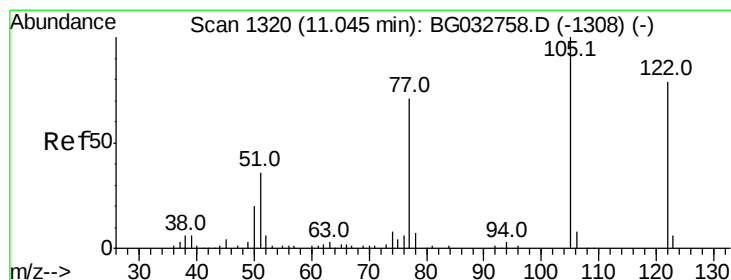
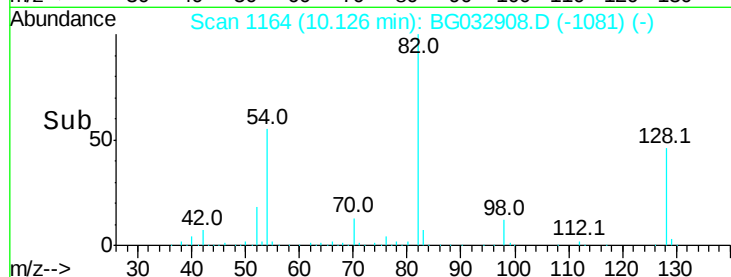
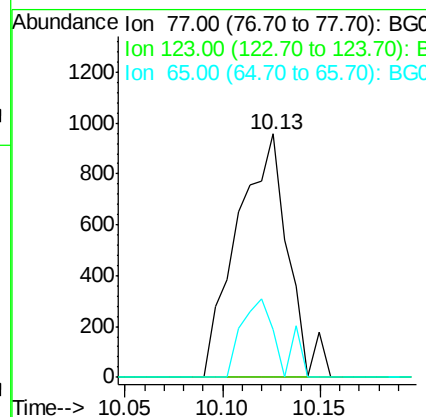
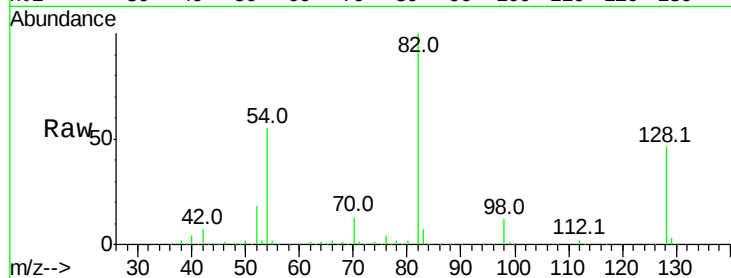




#24
 Nitrobenzene
 Concen: 6.662 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

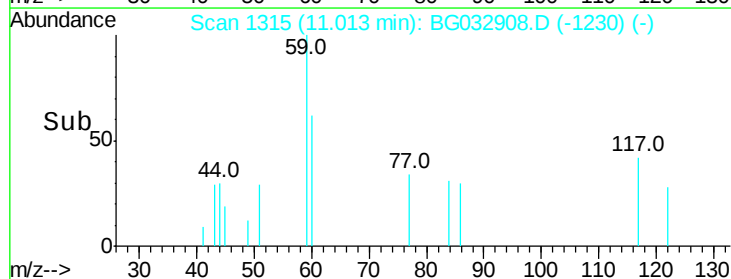
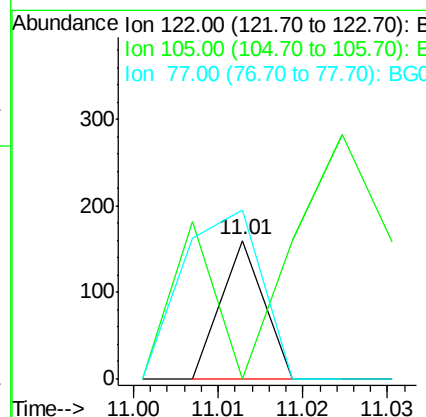
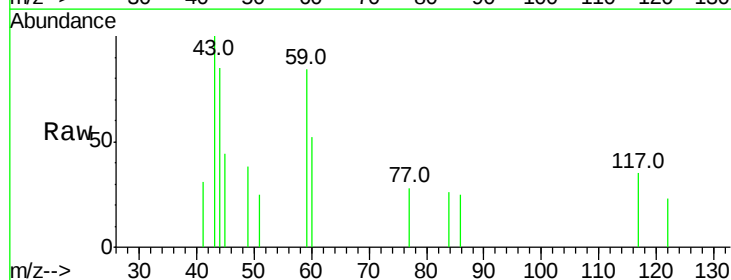
Instrument :
 BNA_F
 ClientSampled :

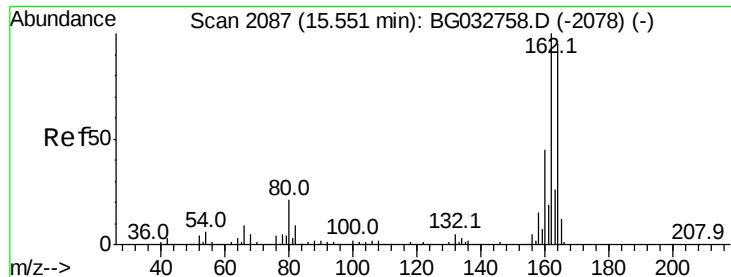
Tot Ion: 77 Resp: 1720
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 19.8 13.0 19.6#



#32
 Benzoic acid
 Concen: 5.836 ng
 RT: 11.01 min Scan# 1315
 Delta R.T. -0.03 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

Tgt Ion: 122 Resp: 56
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 121.9 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

Instrument :

BNA_F

ClientSampleId :

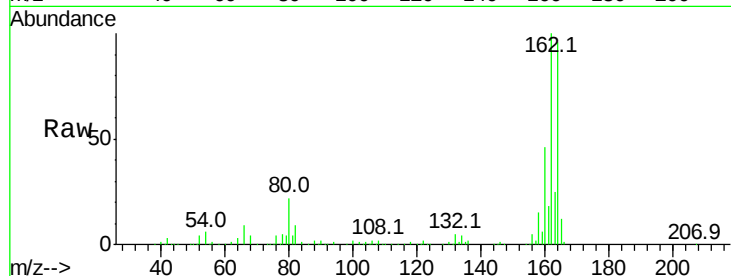
Tot Ion:164 Resp: 189535

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

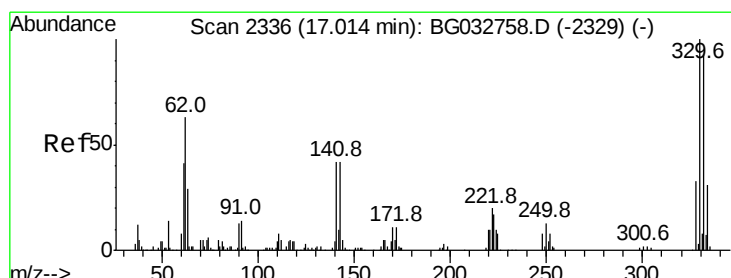
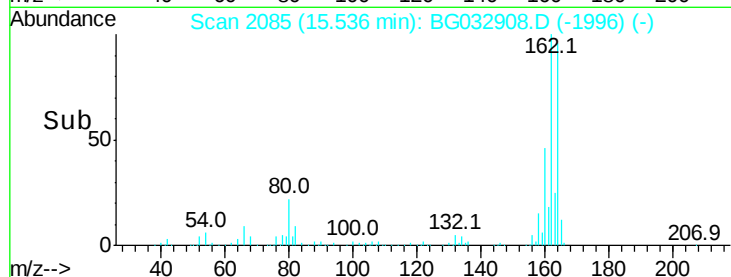
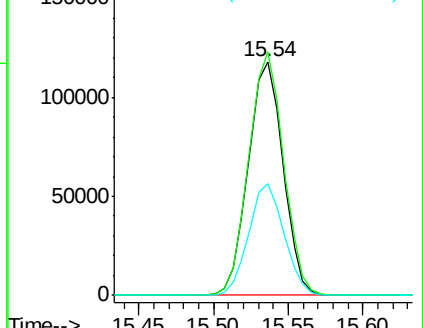
160 48.0 35.4 53.0



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: 157.806 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

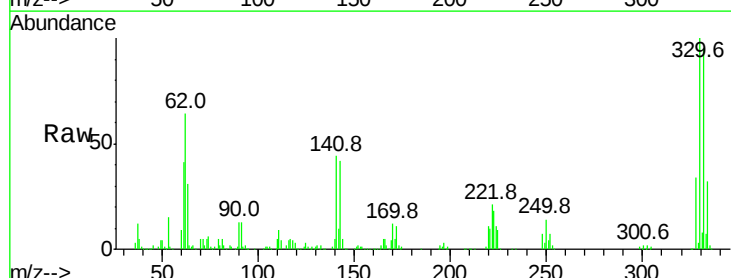
Tgt Ion:330 Resp: 314491

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

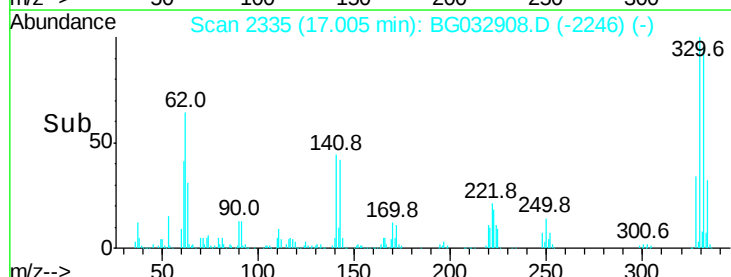
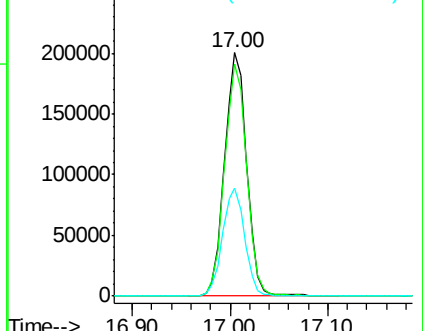
141 44.5 25.2 37.8#

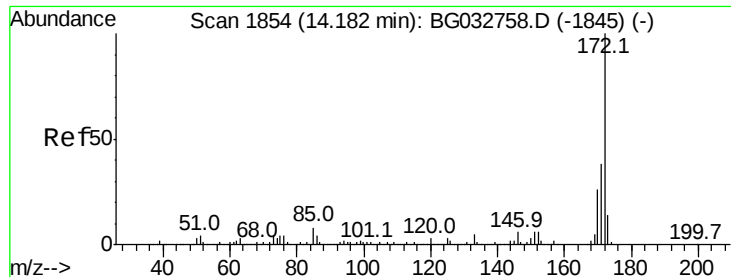


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



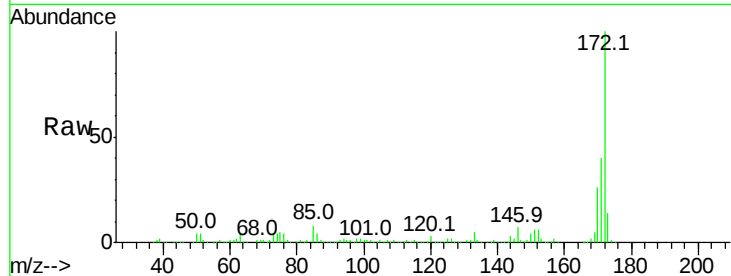


#44
 2-Fluorobiphenyl
 Concen: 98.078 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

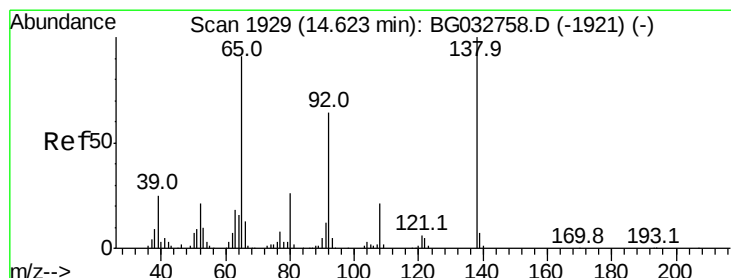
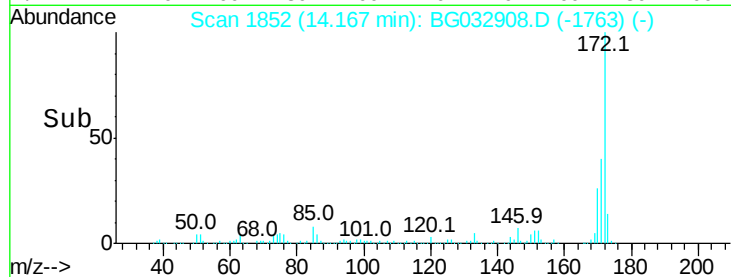
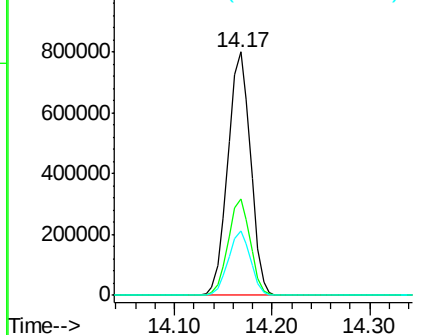
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1288903

Ion	Ratio	Lower	Upper
172	100		
171	39.6	30.0	45.0
170	26.3	19.5	29.3



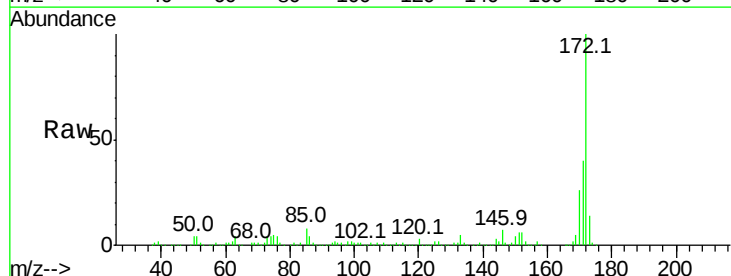
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



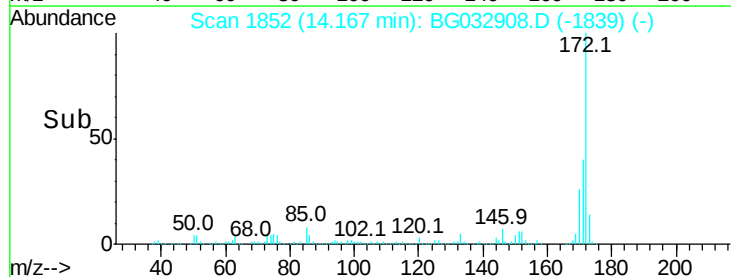
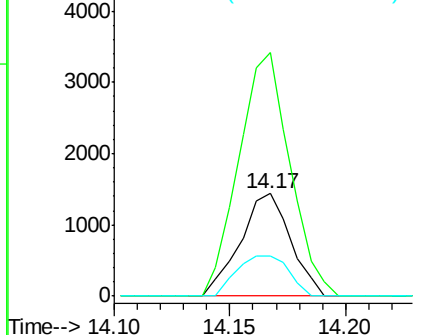
#47
 2-Nitroaniline
 Concen: 10.389 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

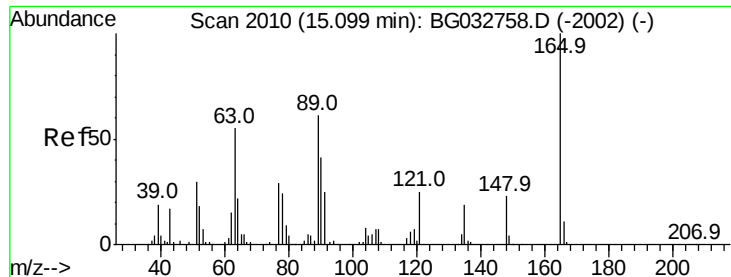
Tgt Ion: 65 Resp: 2173

Ion	Ratio	Lower	Upper
65	100		
92	237.5	54.6	82.0#
138	39.2	72.9	109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E

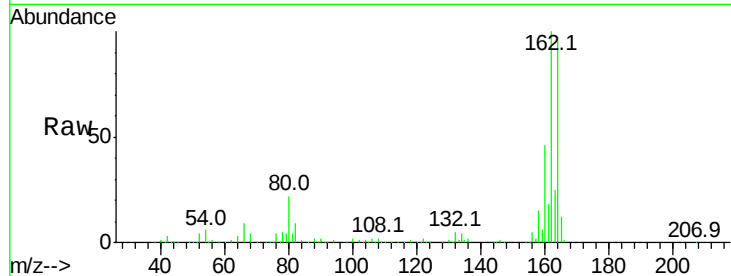




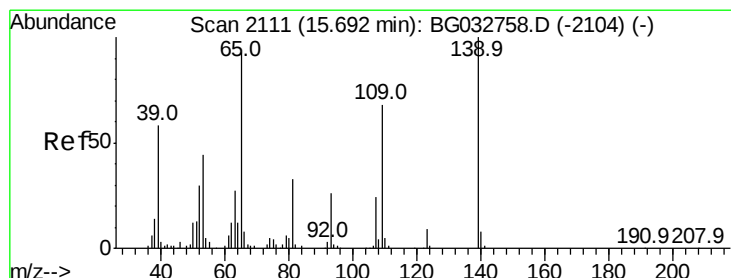
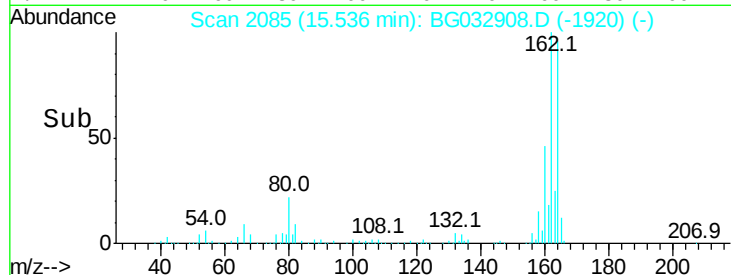
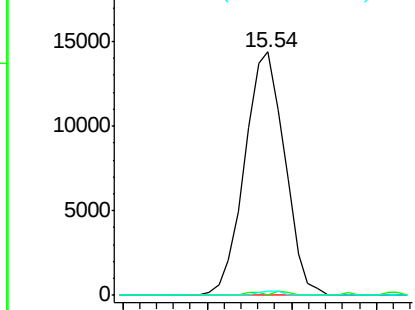
#50
2,6-Dinitrotoluene
Concen: 16.130 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23646
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.5 49.2 73.8#

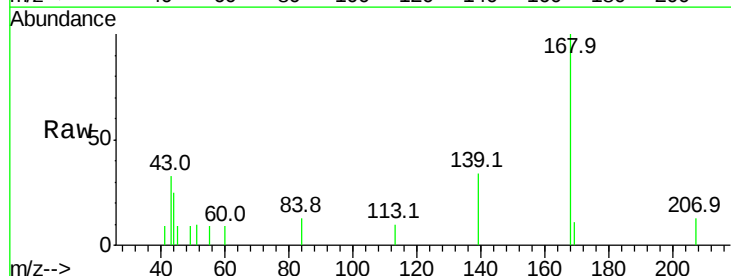


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

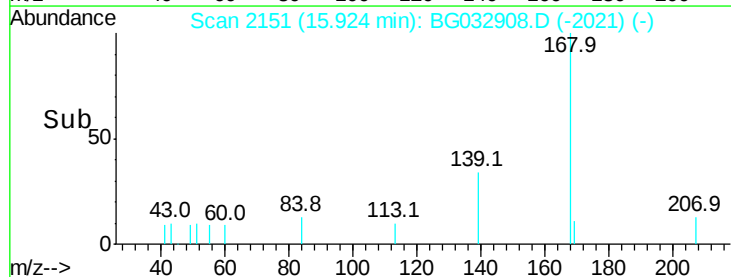
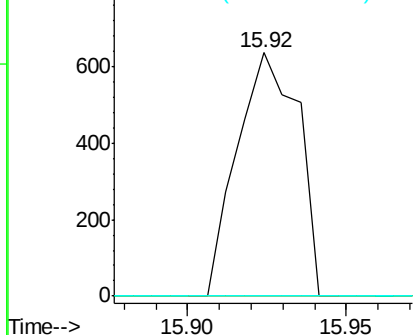


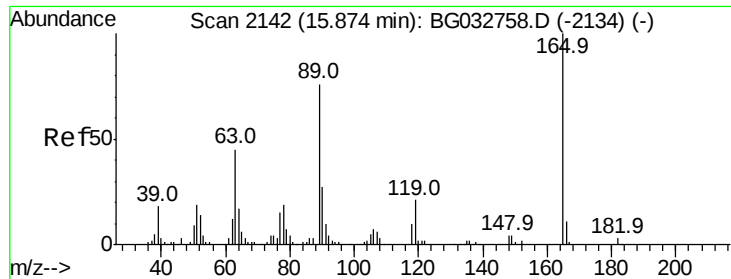
#55
4-Nitrophenol
Concen: 7.375 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Tgt Ion:139 Resp: 850
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

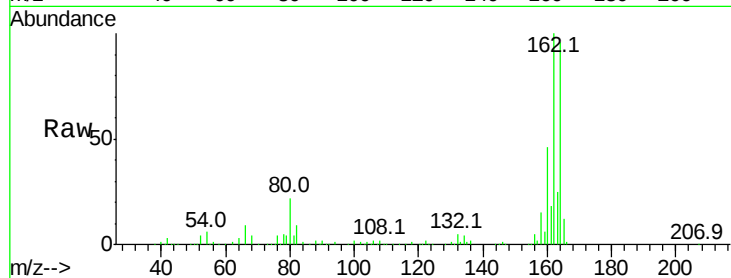




#56
 2,4-Dinitrotoluene
 Concen: 14.326 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	23646
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#

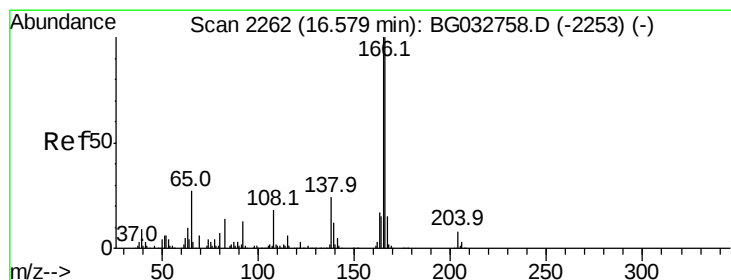
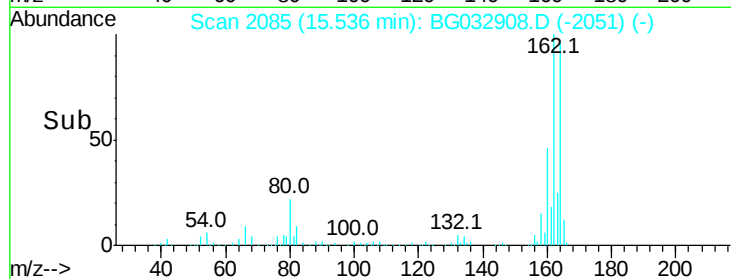
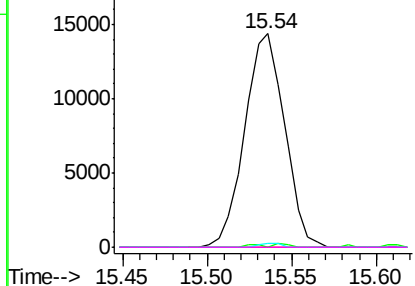


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

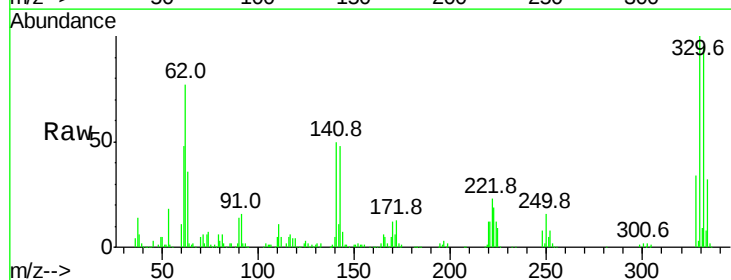
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#61
 4-Nitroaniline
 Concen: 5.318 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.42 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

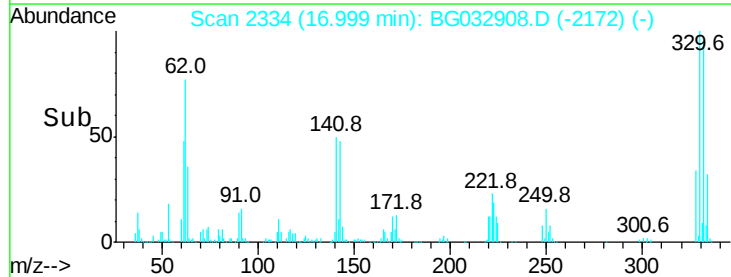
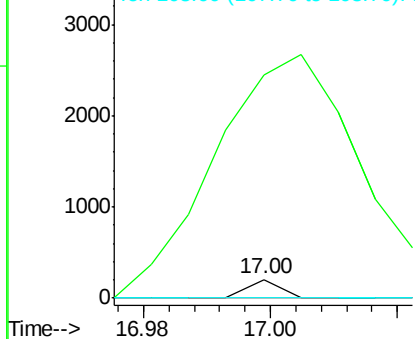
Tgt Ion:	138	Resp:	72
Ion Ratio	Lower	Upper	
138	100		
92	1193.7	40.1	80.1#
108	0.0	65.4	105.4#

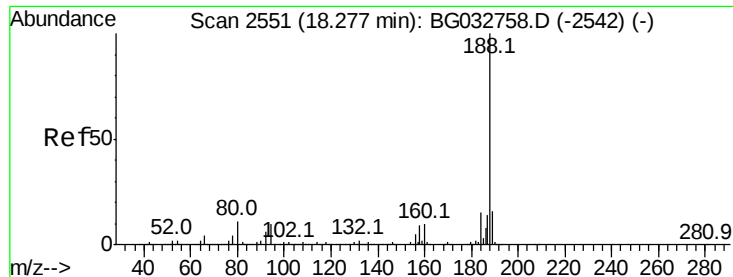


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

Instrument :

BNA_F

ClientSampleId :

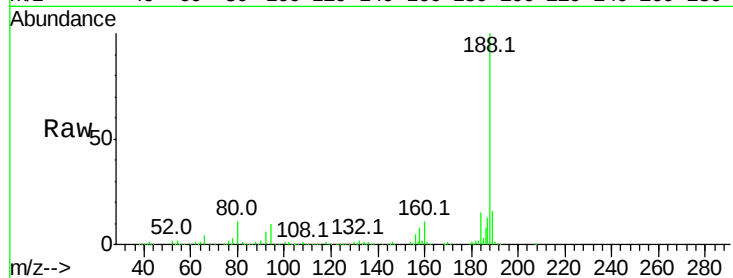
Tot Ion:188 Resp: 415549

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

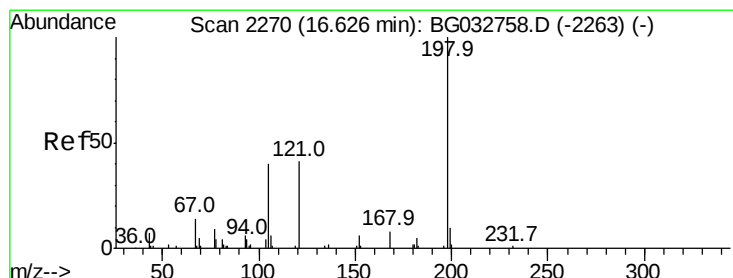
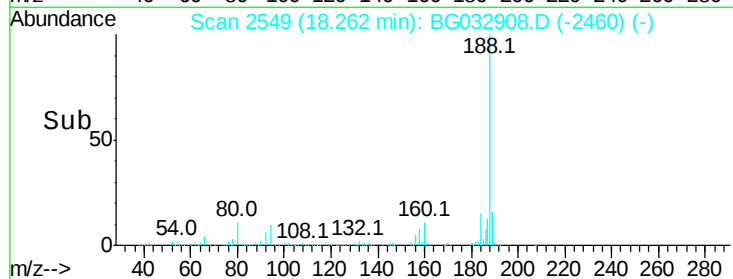
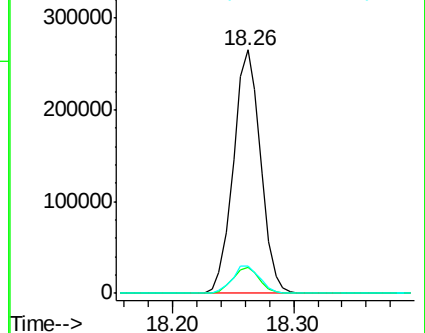
80 11.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 6.401 ng

RT: 17.02 min Scan# 2338

Delta R.T. 0.40 min

Lab File: BG032908.D

Acq: 1 Mar 2018 5:18

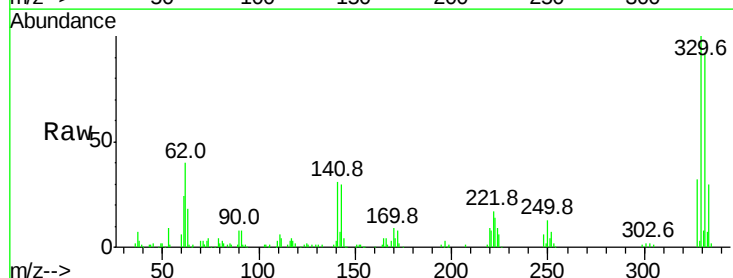
Tgt Ion:198 Resp: 1427

Ion Ratio Lower Upper

198 100

51 25.1 30.6 70.6#

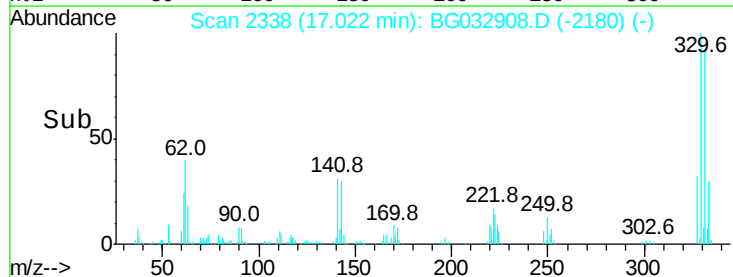
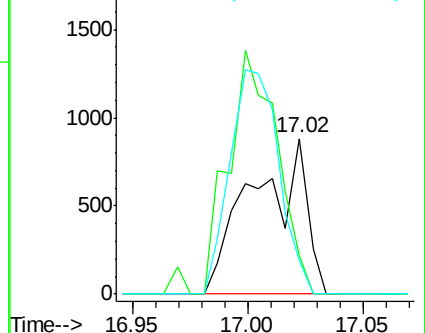
105 21.6 23.8 63.8#

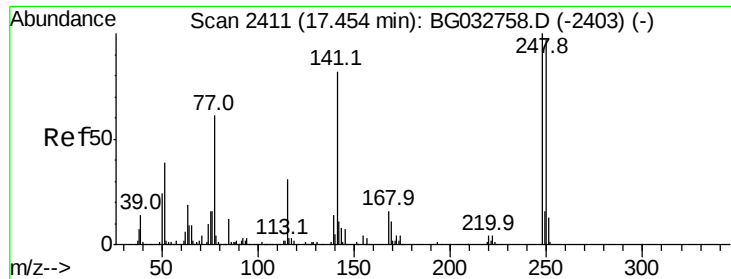


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

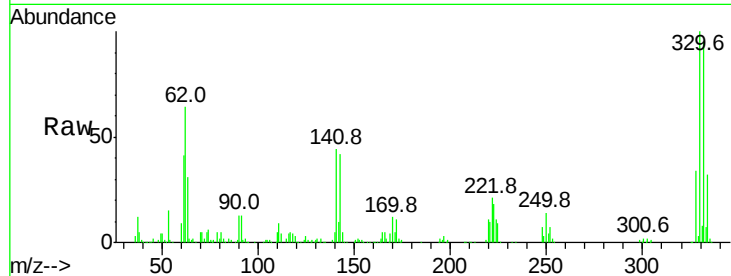




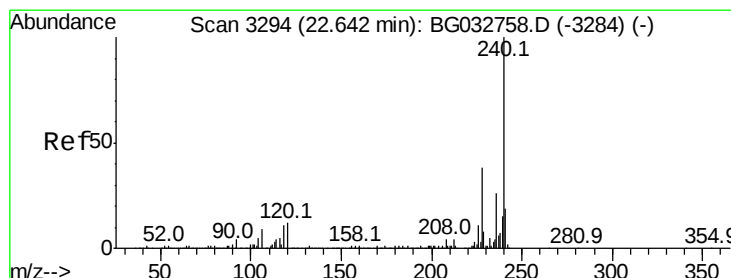
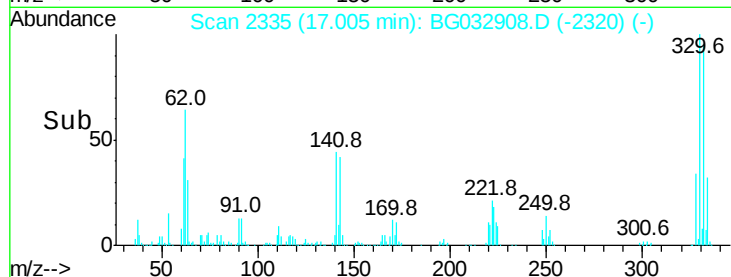
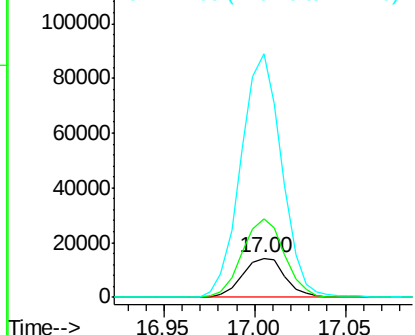
#66
4-Bromophenyl-phenylether
Concen: 5.298 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 23280
Ion Ratio Lower Upper
248 100
250 199.6 77.1 115.7#
141 623.9 50.8 76.2#

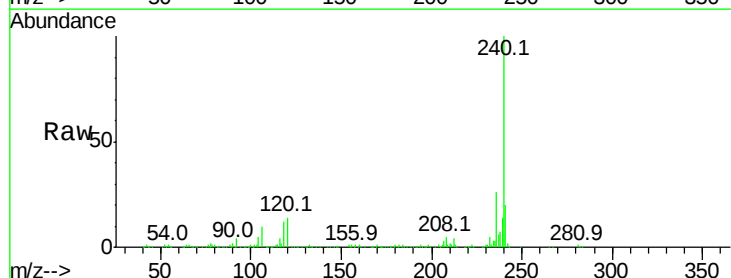


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

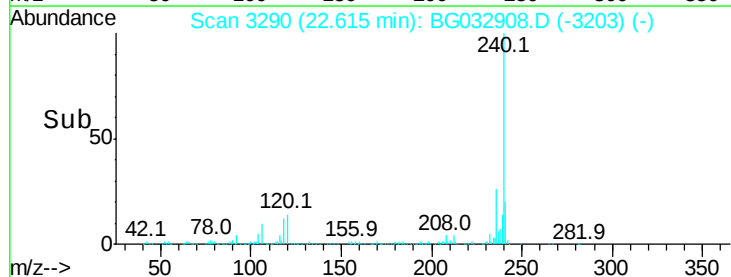
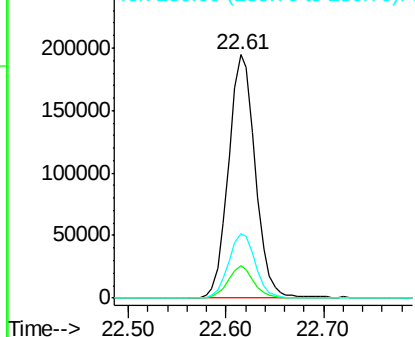


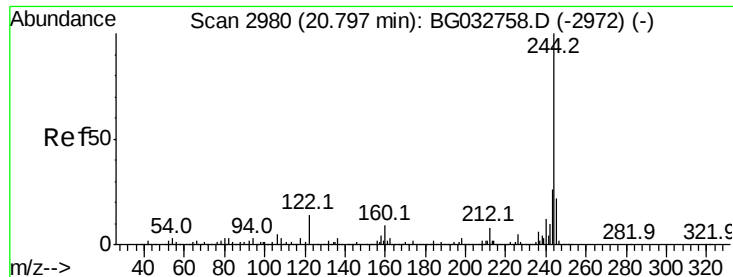
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3290
Delta R.T. -0.02 min
Lab File: BG032908.D
Acq: 1 Mar 2018 5:18

Tgt Ion:240 Resp: 371022
Ion Ratio Lower Upper
240 100
120 13.5 6.8 10.2#
236 26.4 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

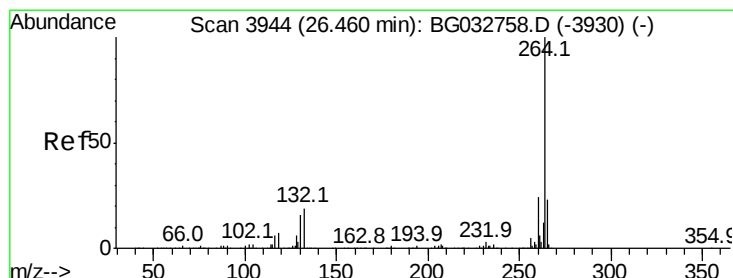
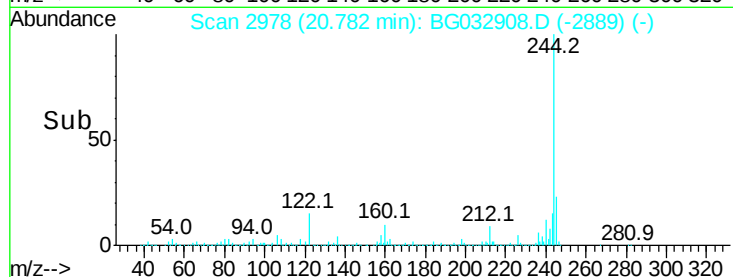
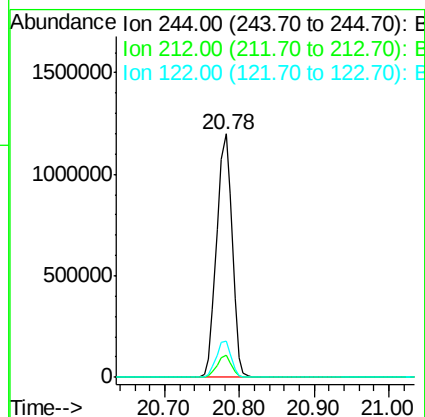
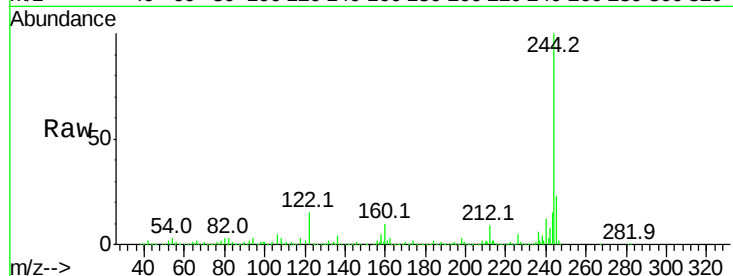




#78
 Terphenyl-d14
 Concen: 104.425 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1724461
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 15.0 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3938
 Delta R.T. -0.02 min
 Lab File: BG032908.D
 Acq: 1 Mar 2018 5:18

Tgt Ion:264 Resp: 368699
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 21.0 17.7 26.5

