

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032941.D
 Acq On : 2 Mar 2018 7:26
 Operator : SJ/JU
 Sample : J1747-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:57:02 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

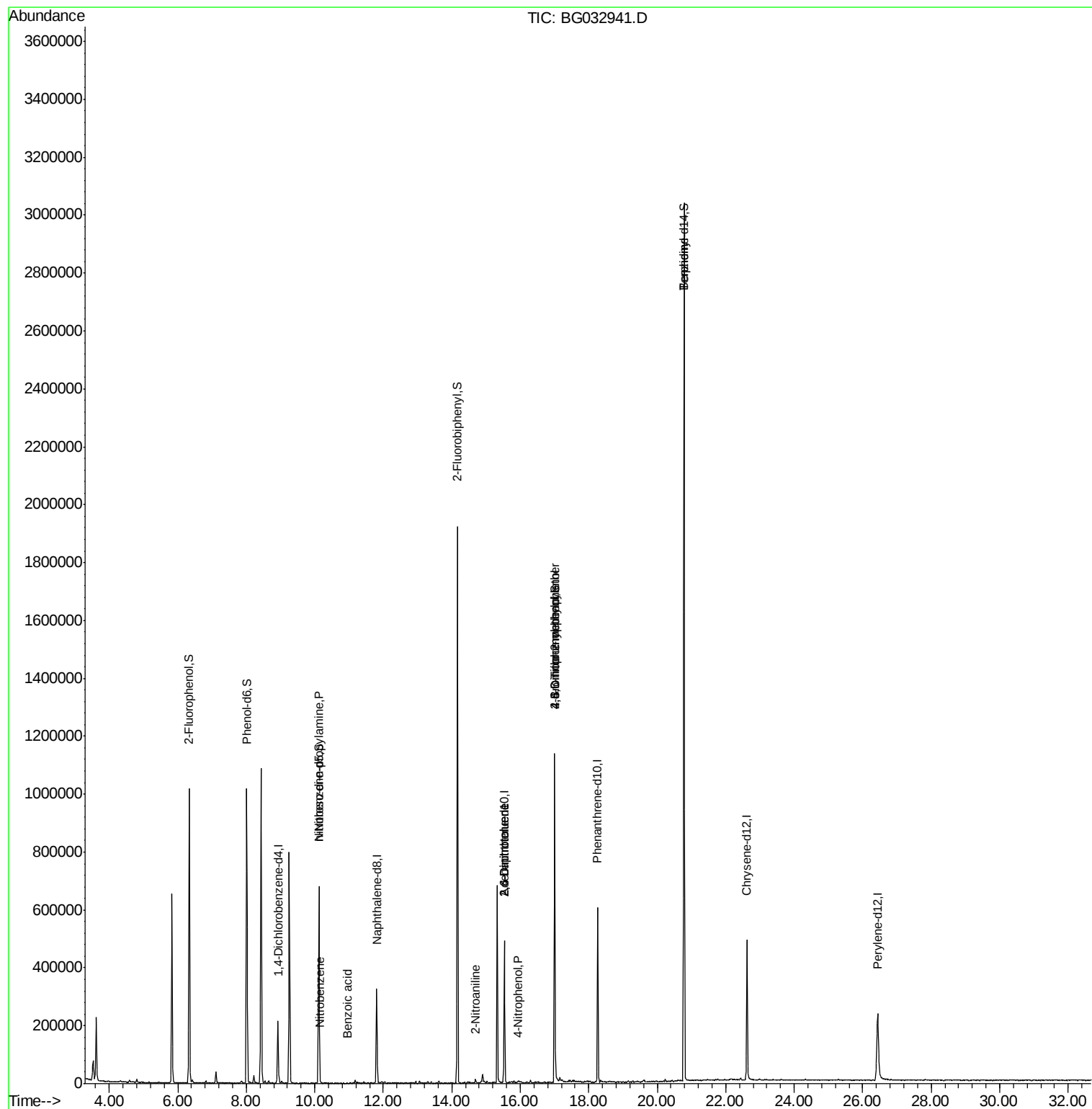
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	64102	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	283462	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	166058	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	358511	20.00	ng	0.00
75) Chrysene-d12	22.62	240	323316	20.00	ng	0.00
86) Perylene-d12	26.43	264	320667	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	491406	122.64	ng	0.00
7) Phenol-d6	8.02	99	635630	113.81	ng	0.00
23) Nitrobenzene-d5	10.12	82	427138	102.29	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	202781	116.14	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	989006	85.90	ng	0.00
78) Terphenyl-d14	20.78	244	1349009	93.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	55307	14.027	ng	# 83
24) Nitrobenzene	10.15	77	73	6.394	ng	# 42
32) Benzoic acid	10.95	122	151	5.883	ng	# 15
47) 2-Nitroaniline	14.69	65	815	10.073	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	21943	16.558	ng	# 21
55) 4-Nitrophenol	15.92	139	58	7.103	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	21943	14.756	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	536	5.584	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14494	3.823	ng	# 1
76) Benzidine	20.78	184	23453	2.128	ng	# 92

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

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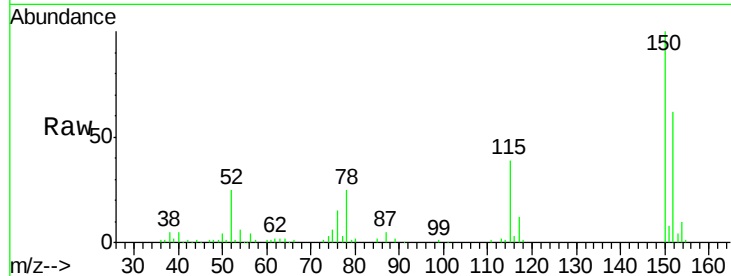


#1

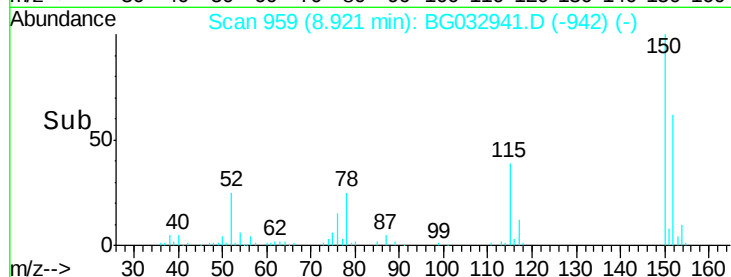
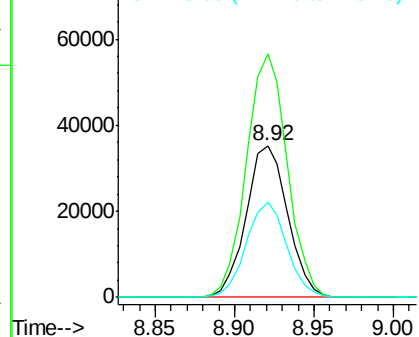
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64102
Ion Ratio Lower Upper
152 100
150 160.2 126.6 189.8
115 62.7 53.0 79.4



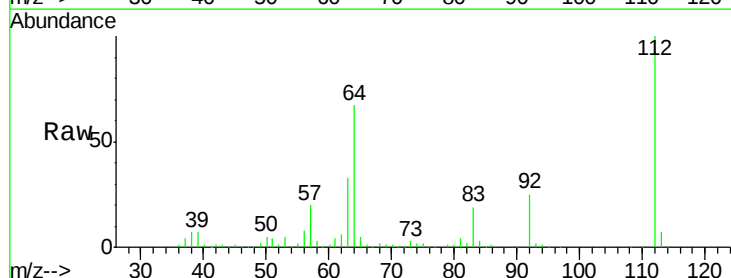
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



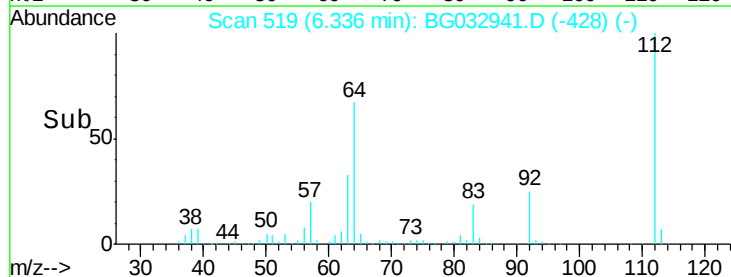
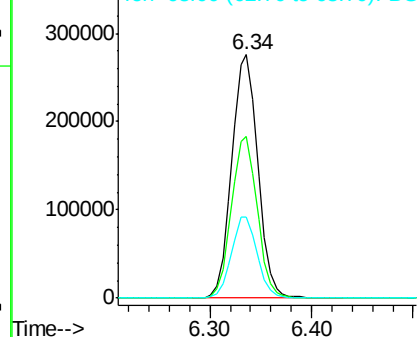
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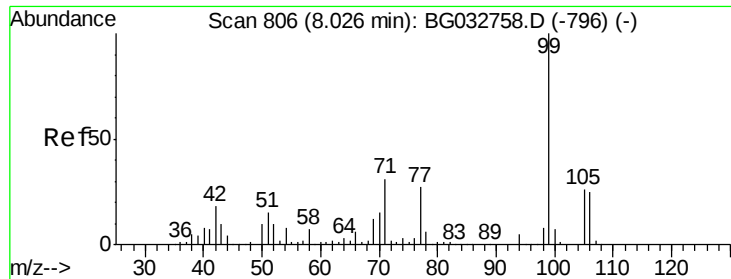
2-Fluorophenol
Concen: 122.645 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Tgt Ion:112 Resp: 491406
Ion Ratio Lower Upper
112 100
64 66.5 56.3 84.5
63 33.1 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: 113.814 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Instrument :

BNA_G

ClientSampleId :

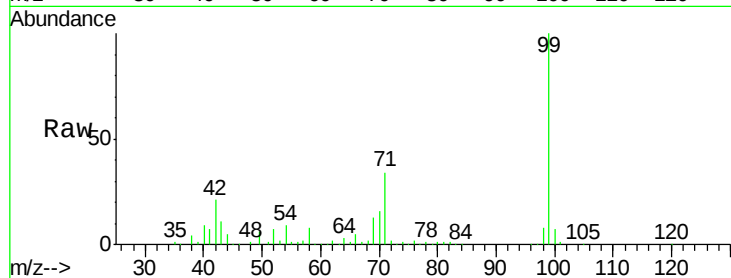
Tot Ion: 99 Resp: 635630

Ion Ratio Lower Upper

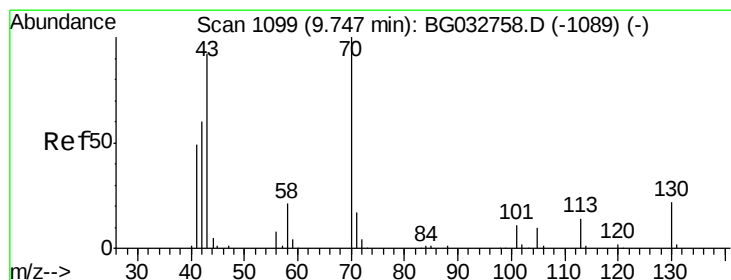
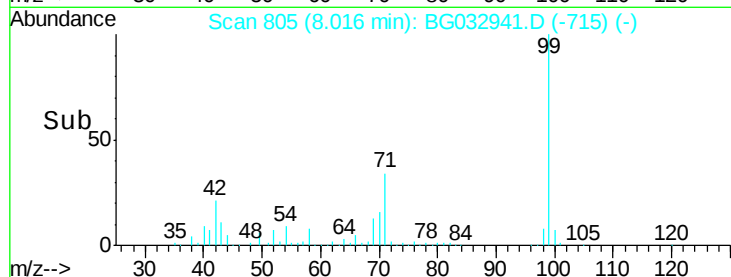
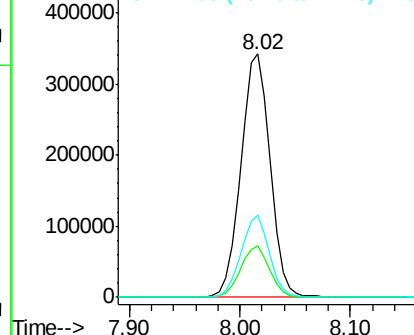
99 100

42 21.3 14.1 21.1#

71 33.6 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: 14.027 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Tgt Ion: 70 Resp: 55307

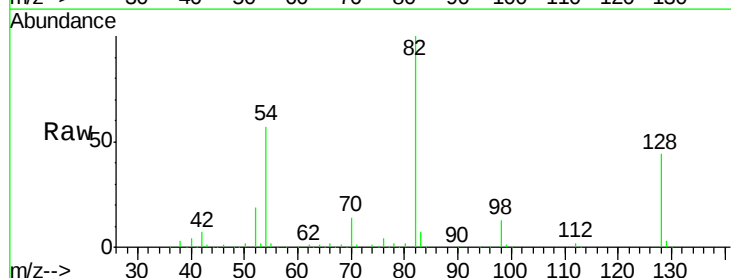
Ion Ratio Lower Upper

70 100

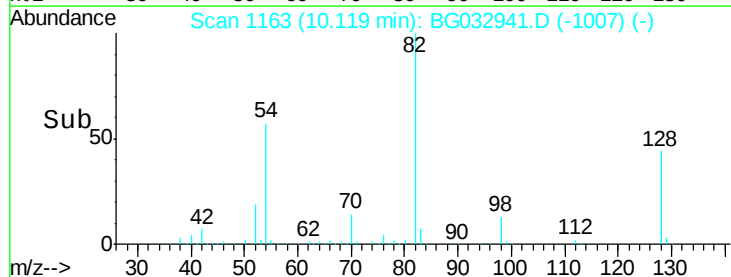
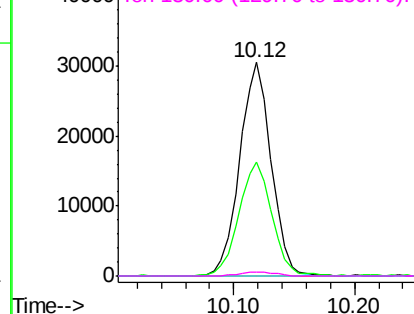
42 53.3 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 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

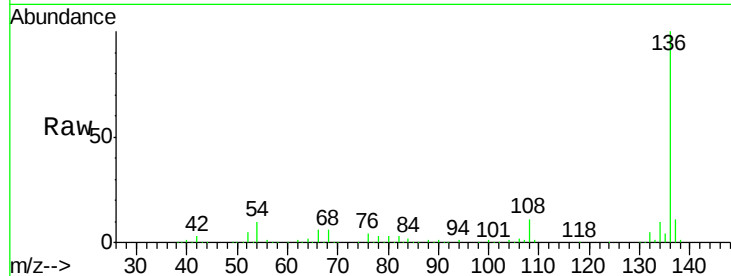




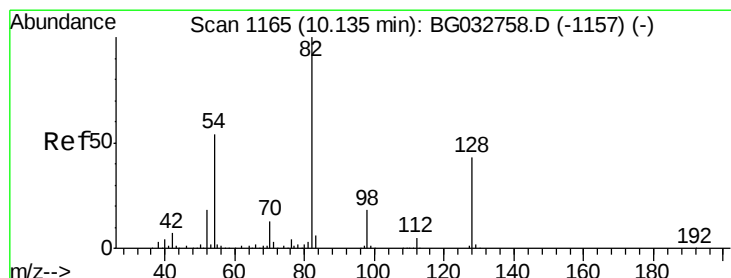
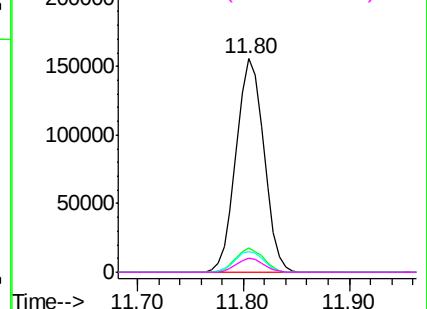
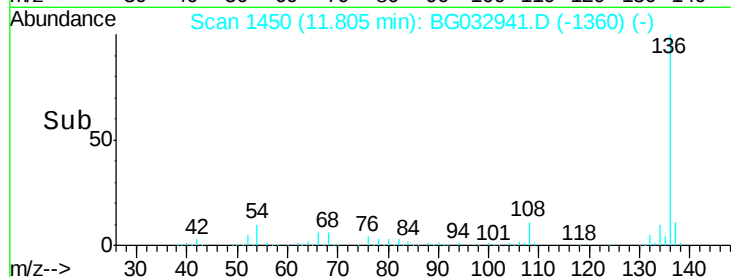
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 283462
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.9 10.3 15.5#
68 6.4 4.5 6.7

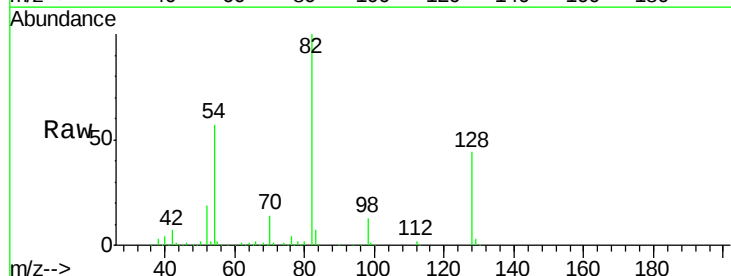


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

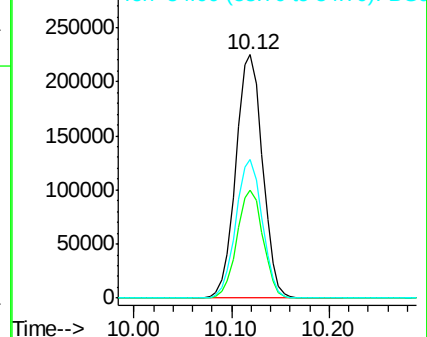
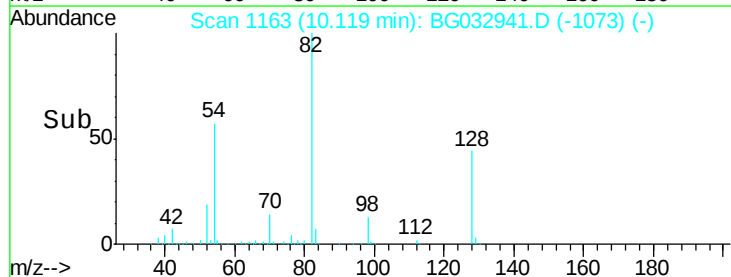


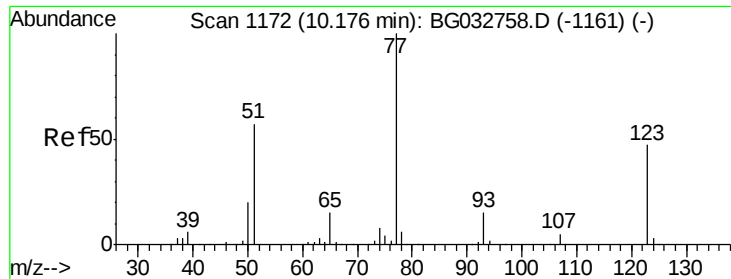
#23
Nitrobenzene-d5
Concen: 102.287 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Tgt Ion: 82 Resp: 427138
Ion Ratio Lower Upper
82 100
128 44.4 29.7 44.5
54 56.9 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

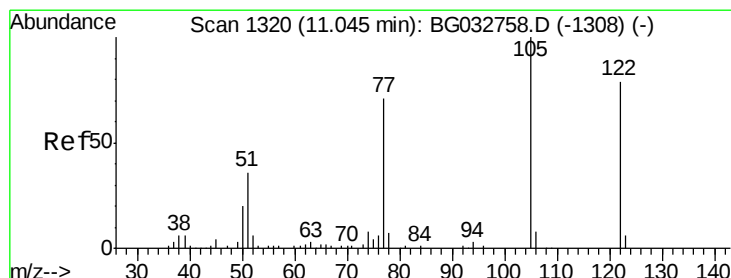
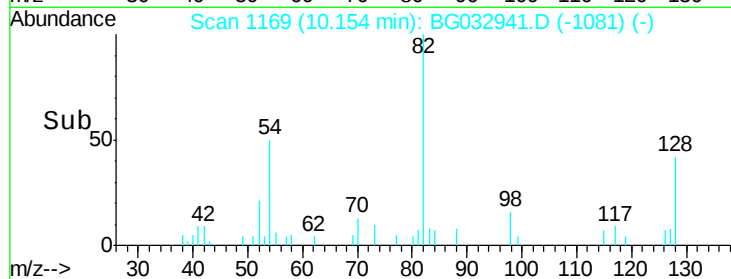
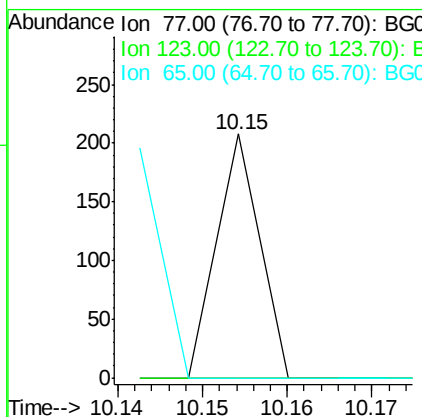
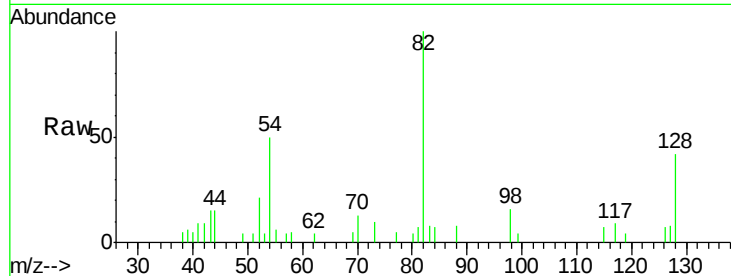




#24
 Nitrobenzene
 Concen: 6.394 ng
 RT: 10.15 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BG032941.D
 Acq: 2 Mar 2018 7:26

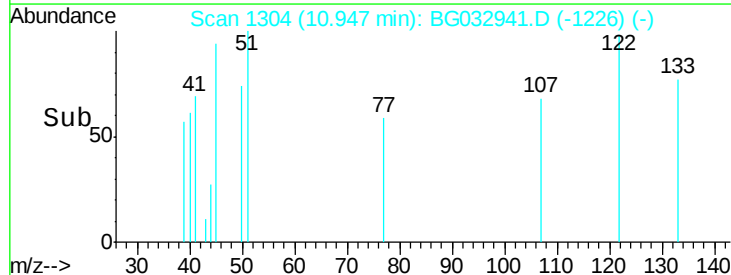
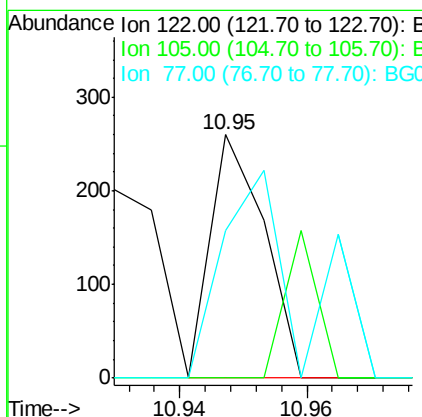
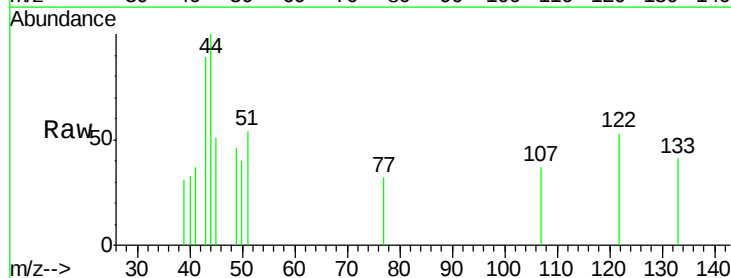
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#32
 Benzoic acid
 Concen: 5.883 ng
 RT: 10.95 min Scan# 1304
 Delta R.T. -0.07 min
 Lab File: BG032941.D
 Acq: 2 Mar 2018 7:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	60.4	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Instrument :

BNA_G

ClientSampleId :

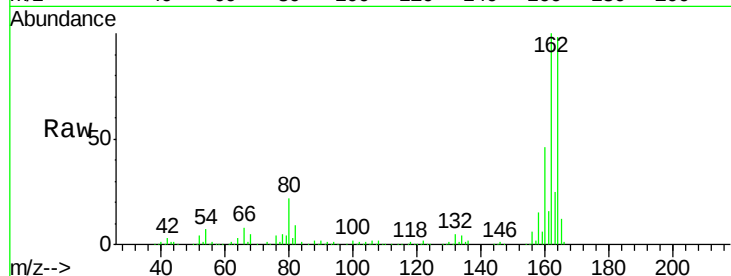
Tot Ion:164 Resp: 166058

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

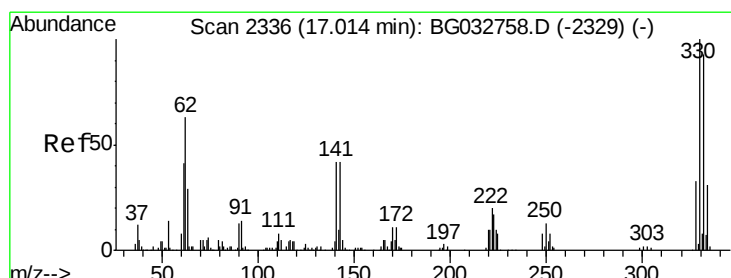
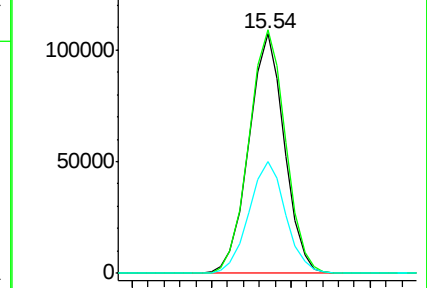
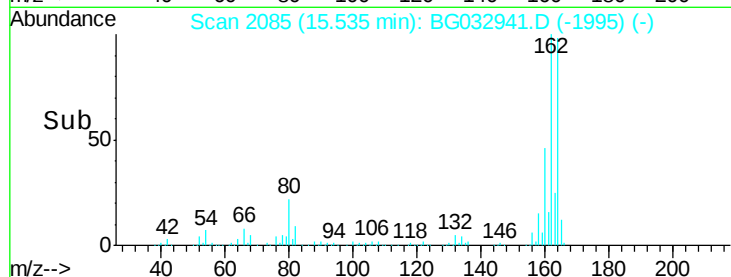
160 46.9 35.4 53.0



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: 116.137 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

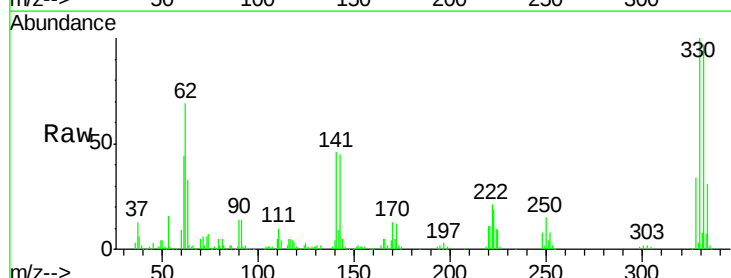
Tgt Ion:330 Resp: 202781

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

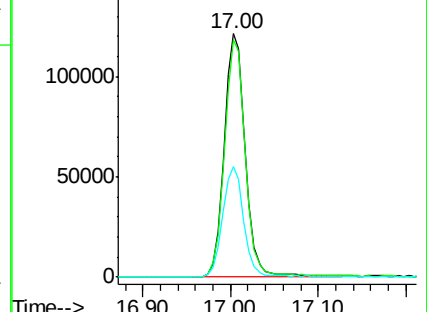
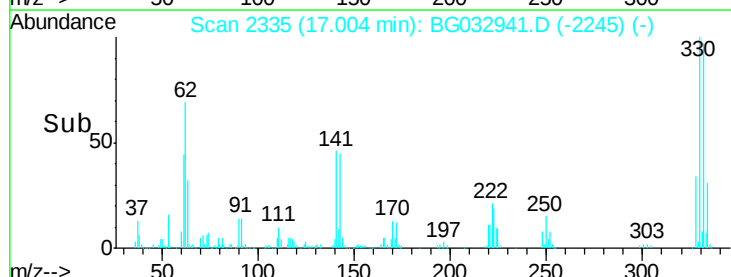
141 45.7 25.2 37.8#

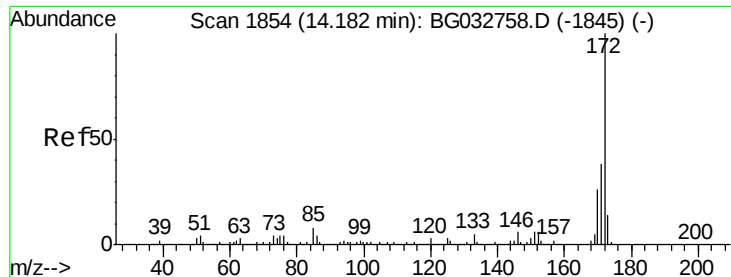


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

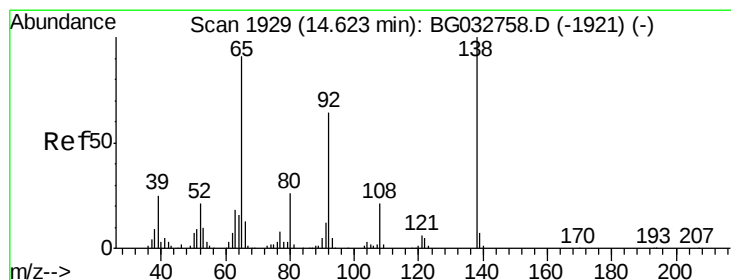
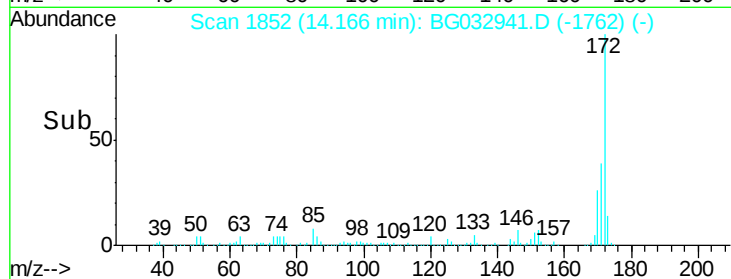
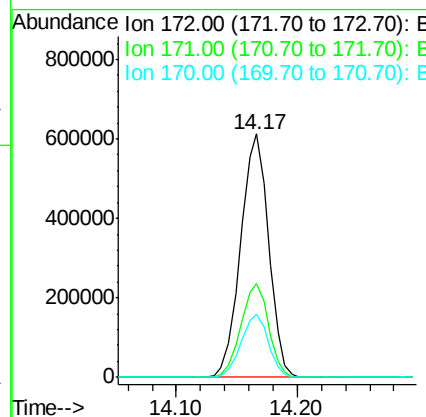
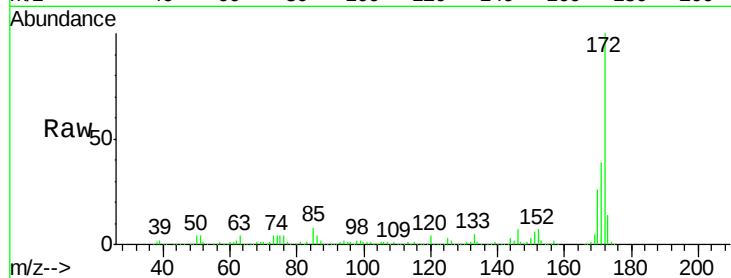




#44
2-Fluorobiphenyl
Concen: 85.897 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

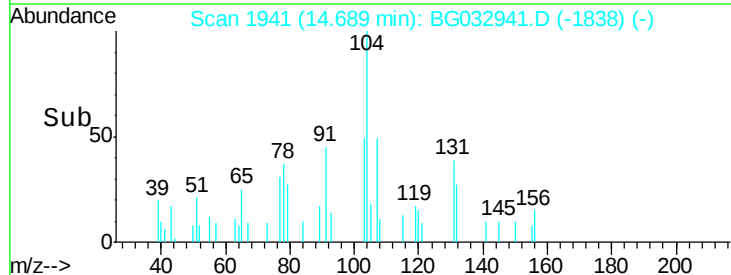
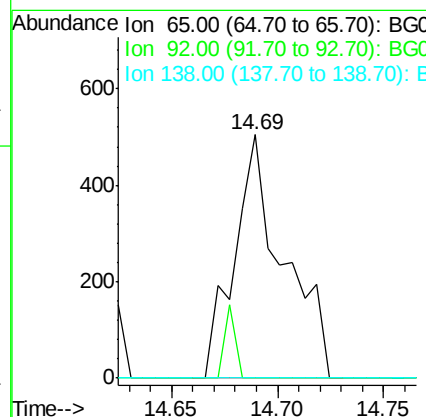
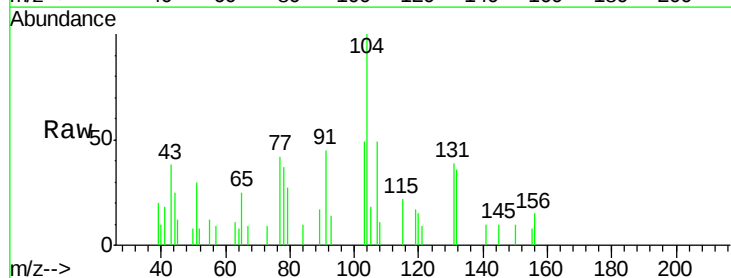
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.9	19.5	29.3



#47
2-Nitroaniline
Concen: 10.073 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.08 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	54.6	82.0#
138	0.0	72.9	109.3#

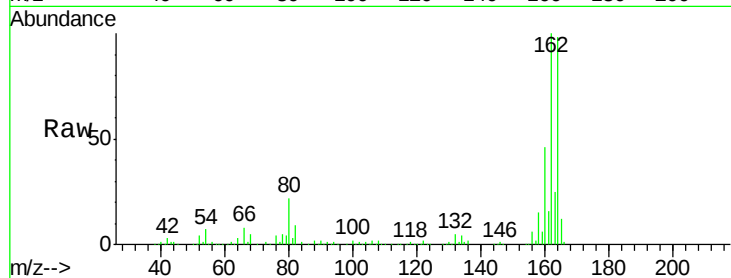




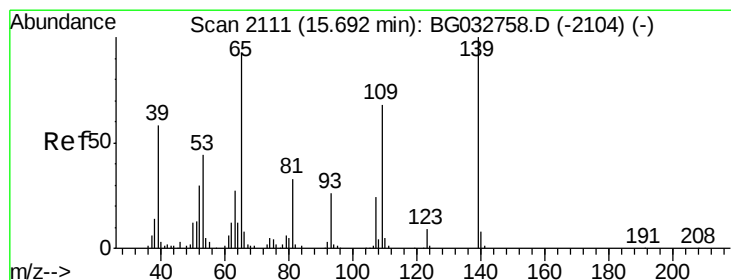
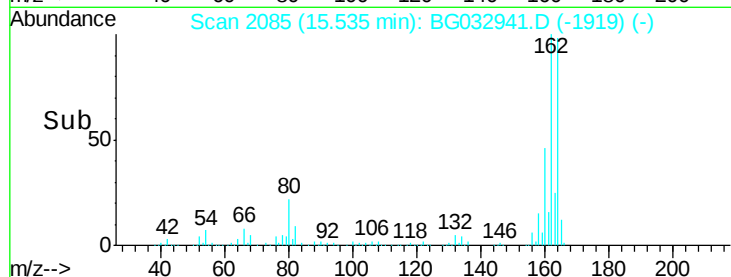
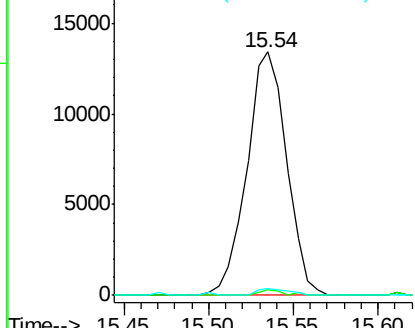
#50
2,6-Dinitrotoluene
Concen: 16.558 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21943
Ion Ratio Lower Upper
165 100
63 2.1 52.7 79.1#
89 2.6 49.2 73.8#

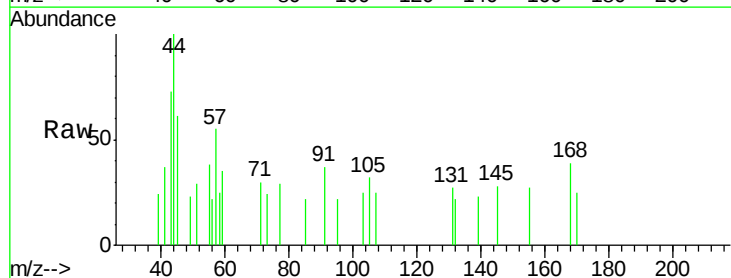


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

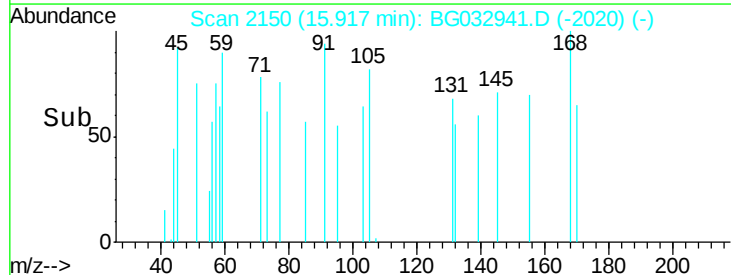
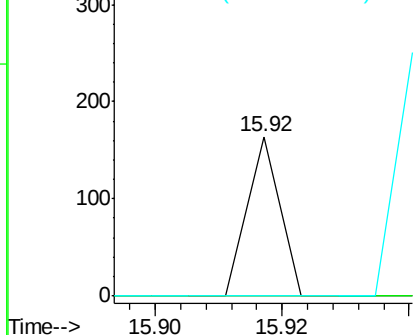


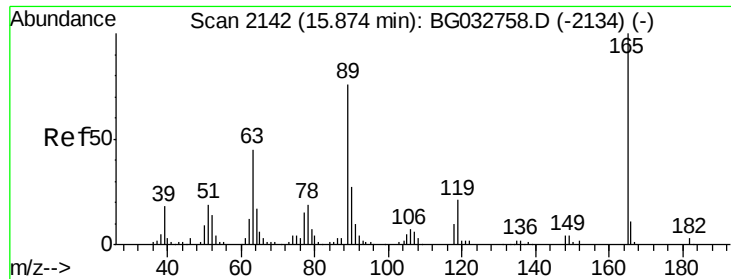
#55
4-Nitrophenol
Concen: 7.103 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.23 min
Lab File: BG032941.D
Acq: 2 Mar 2018 7:26

Tgt Ion:139 Resp: 58
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): BGO

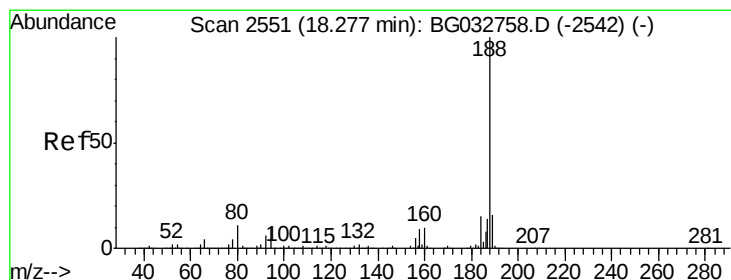
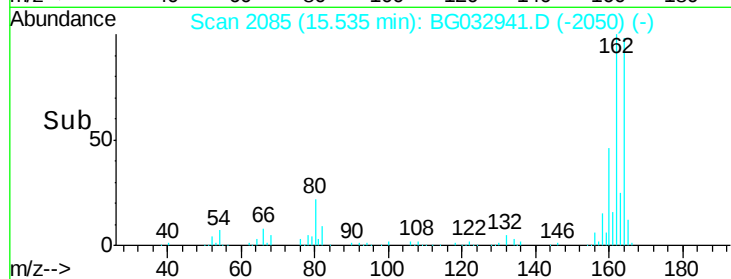
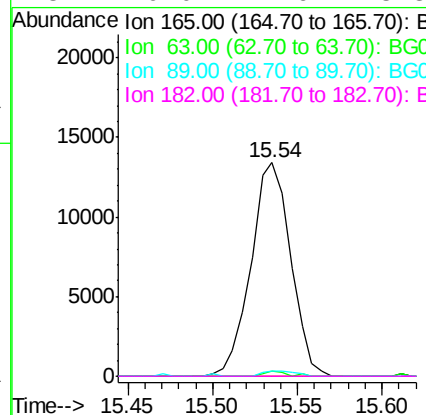
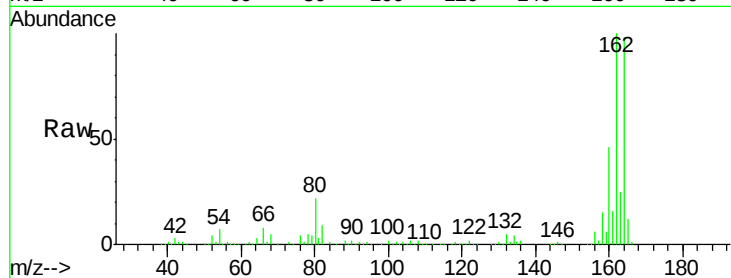




#56
 2,4-Dinitrotoluene
 Concen: 14.756 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.32 min
 Lab File: BG032941.D
 Acq: 2 Mar 2018 7:26

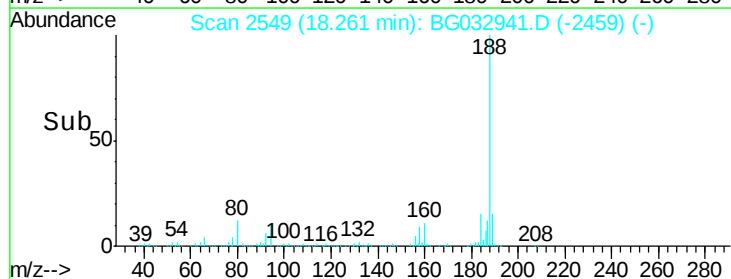
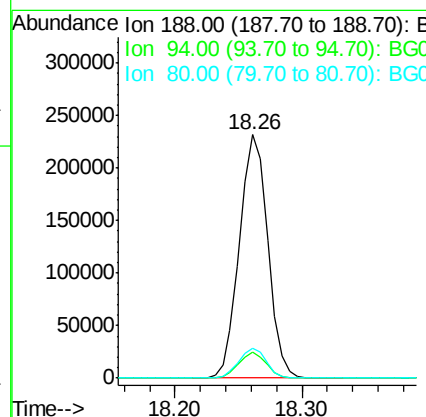
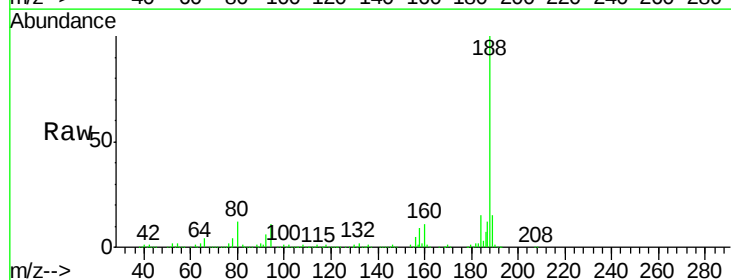
Instrument :
 BNA_G
 ClientSampleId :

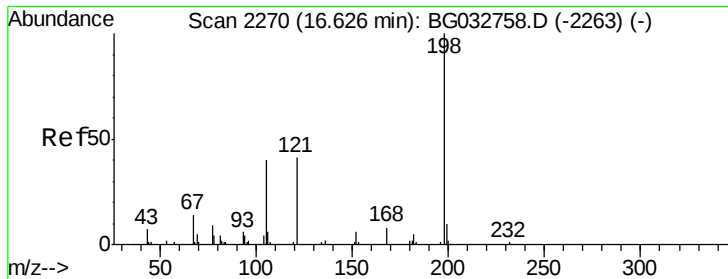
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	2.6	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032941.D
 Acq: 2 Mar 2018 7:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	6.9	10.3#
80	12.4	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.584 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.39 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Instrument :

BNA_G

ClientSampleId :

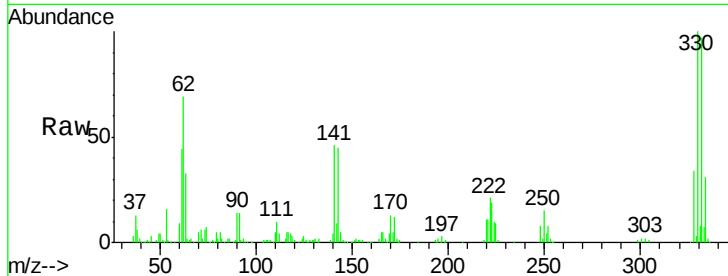
Tot Ion:198 Resp: 536

Ion Ratio Lower Upper

198 100

51 128.8 30.6 70.6#

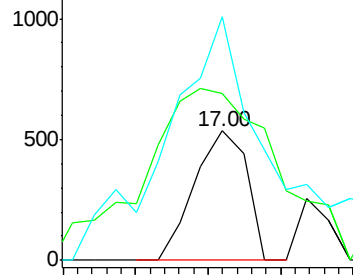
105 188.4 23.8 63.8#



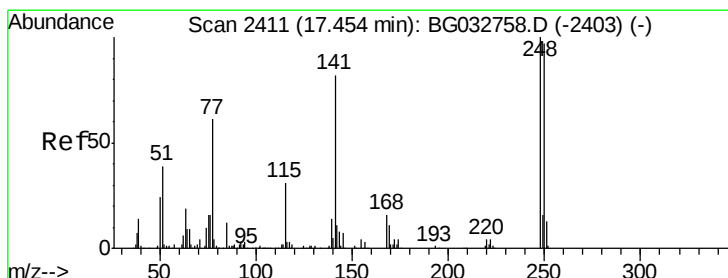
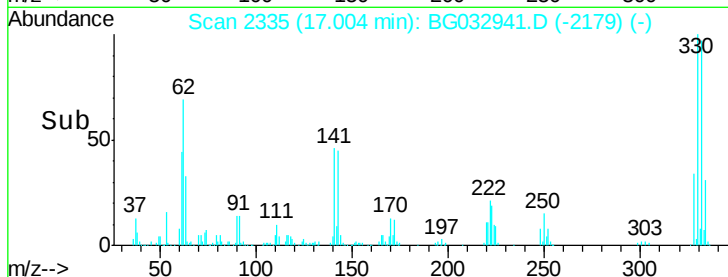
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG032758.D (-2263) (-)

Ion 105.00 (104.70 to 105.70): E



Time--> 16.96 16.98 17.00 17.02



#66

4-Bromophenyl-phenylether

Concen: 3.823 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.43 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

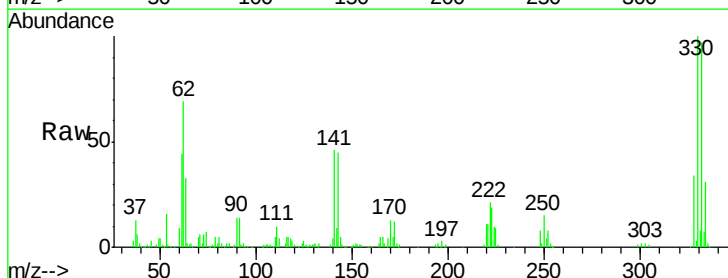
Tgt Ion:248 Resp: 14494

Ion Ratio Lower Upper

248 100

250 198.6 77.1 115.7#

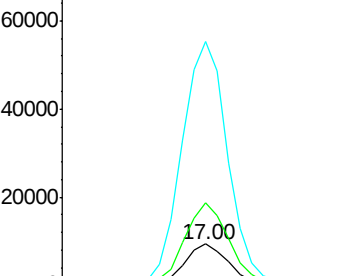
141 590.4 50.8 76.2#



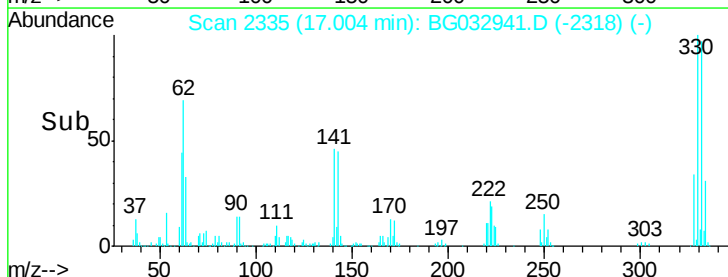
Abundance Ion 248.00 (247.70 to 248.70): E

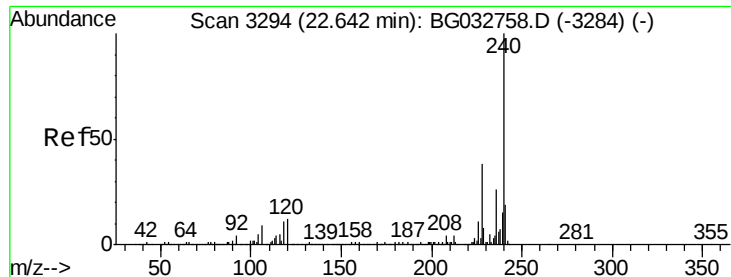
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.95 17.00 17.05





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.00 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Instrument :

BNA_G

ClientSampleId :

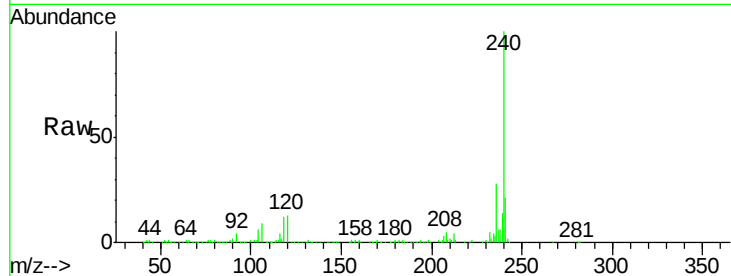
Tot Ion:240 Resp: 323316

Ion Ratio Lower Upper

240 100

120 13.2 6.8 10.2#

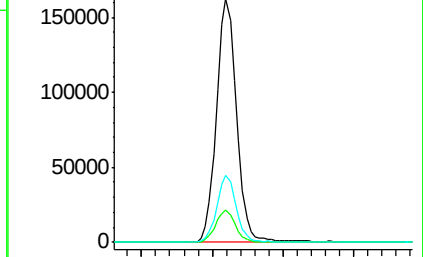
236 27.6 20.9 31.3



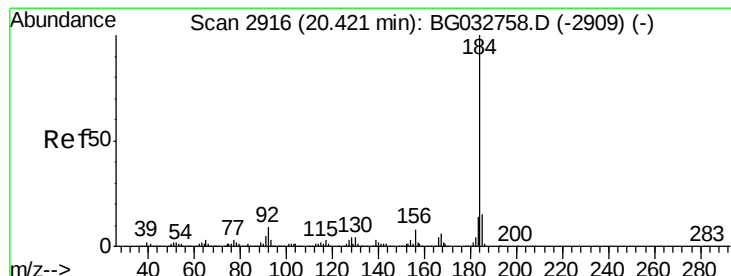
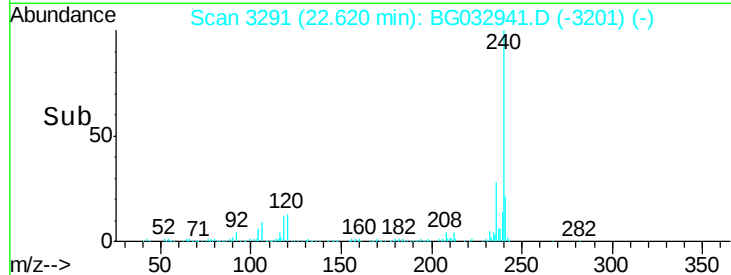
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 2.128 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

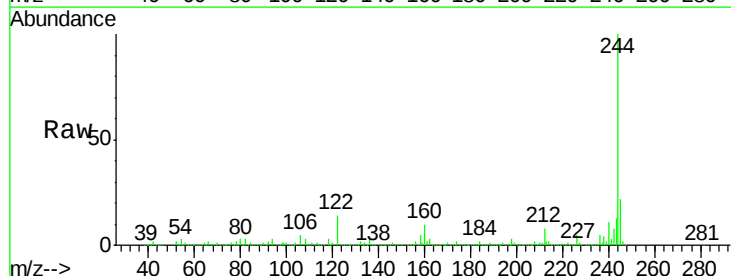
Tgt Ion:184 Resp: 23453

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

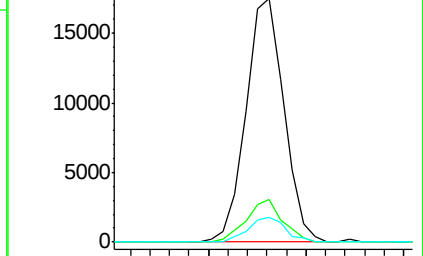
183 10.4 10.6 16.0#



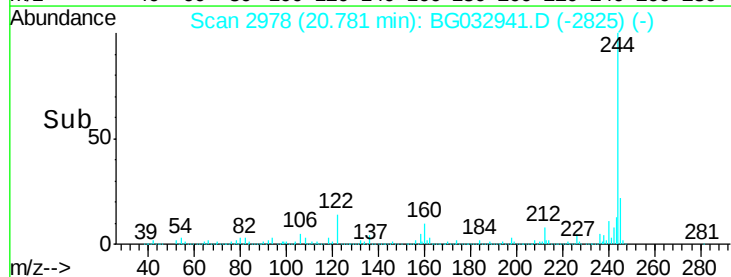
Abundance Ion 184.00 (183.70 to 184.70): E

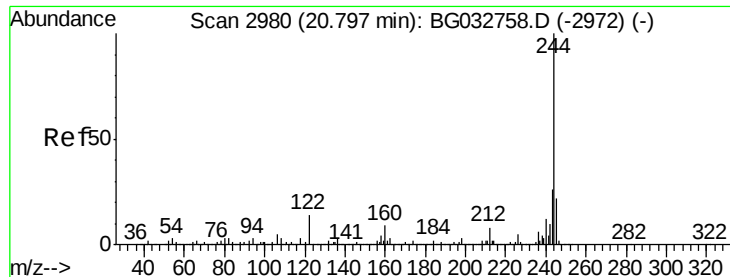
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#78

Terphenyl-d14

Concen: 93.743 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

Instrument :

BNA_G

ClientSampleId :

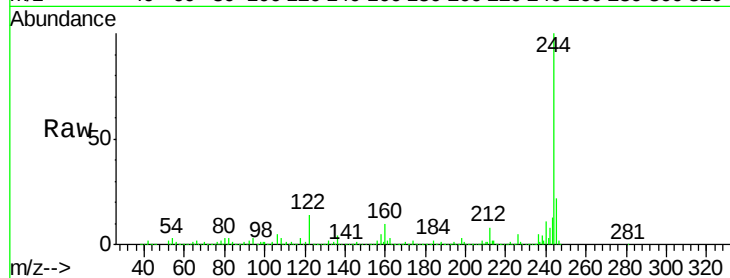
Tot Ion:244 Resp: 1349009

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

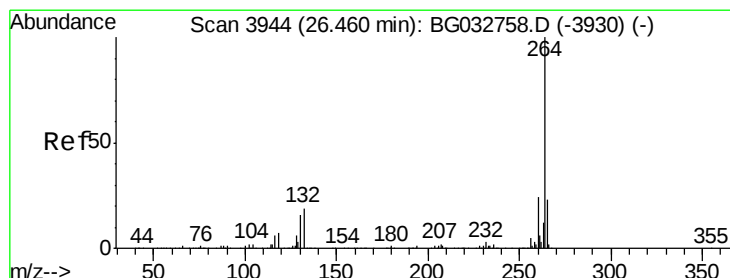
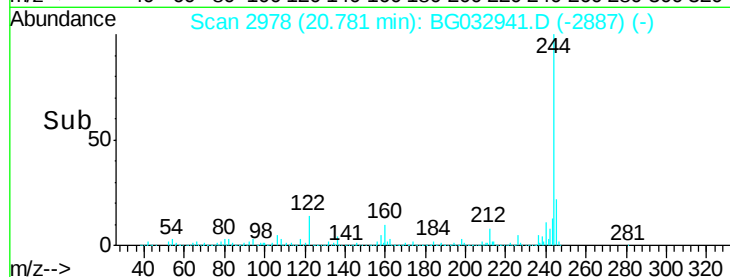
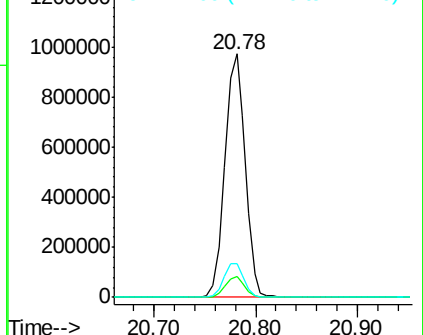
122 13.9 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3940

Delta R.T. 0.01 min

Lab File: BG032941.D

Acq: 2 Mar 2018 7:26

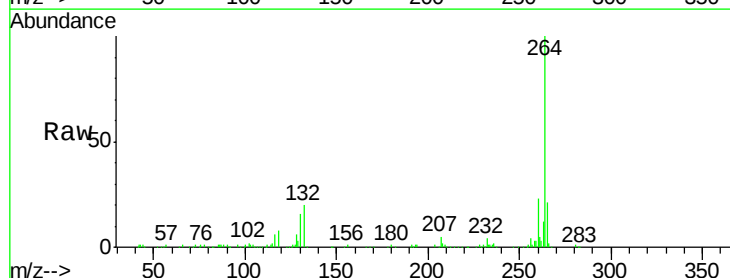
Tgt Ion:264 Resp: 320667

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.2 17.7 26.5



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

