

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032326.D
 Acq On : 26 Jan 2018 12:16
 Operator : SJ/JU
 Sample : J1020-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 12:57:00 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	30794	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	123683	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	100819	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	290633	20.00	ng	0.00
75) Chrysene-d12	22.41	240	359905	20.00	ng	-0.01
86) Perylene-d12	26.09	264	383509	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	210201	124.84	ng	0.00
7) Phenol-d6	7.83	99	242964	114.58	ng	0.00
23) Nitrobenzene-d5	9.91	82	191492	104.75	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	287500	172.33	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	723917	89.03	ng	0.00
78) Terphenyl-d14	20.63	244	1655828	101.59	ng	0.00

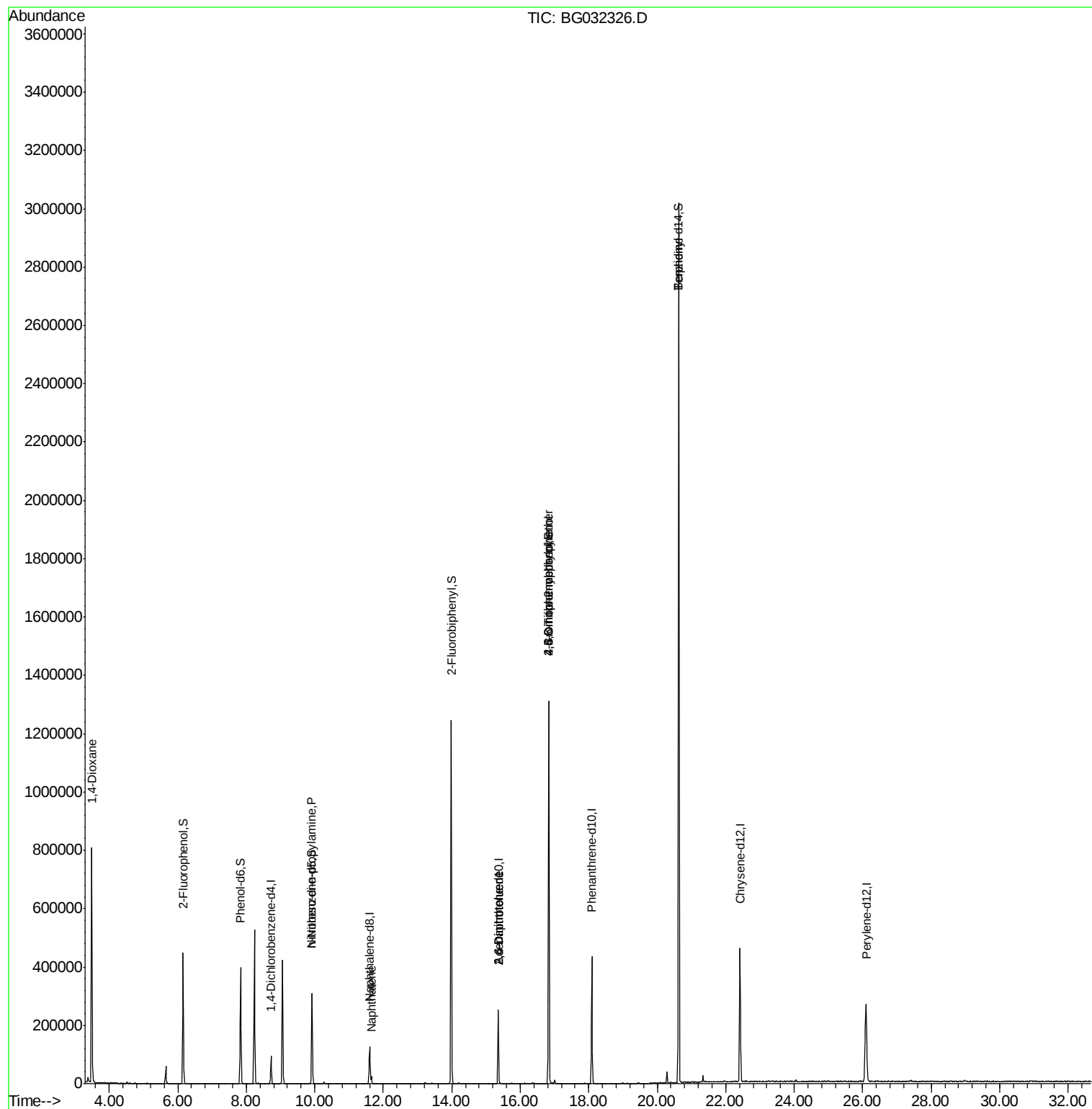
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	8655	13.380	ng	# 1
19) n-Nitroso-di-n-propylamine	9.91	70	28407	21.591	ng	# 70
31) Naphthalene	11.65	128	23151	3.779	ng	# 93
50) 2,6-Dinitrotoluene	15.36	165	12517	6.835	ng	# 21
56) 2,4-Dinitrotoluene	15.36	165	12517	5.077	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.84	198	1055	5.394	ng	# 74
66) 4-Bromophenyl-phenylether	16.83	248	23797	5.755	ng	# 1
76) Benzidine	20.63	184	24241	2.693	ng	# 88

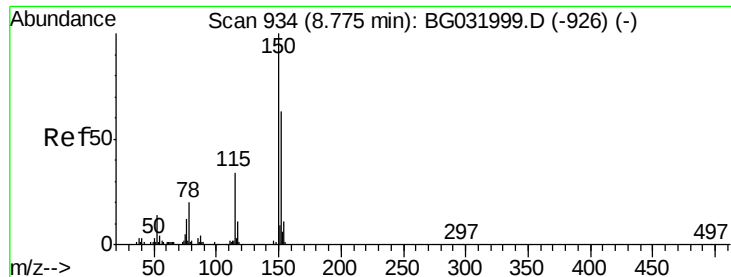
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

Instrument :

BNA_G

ClientSampleId :

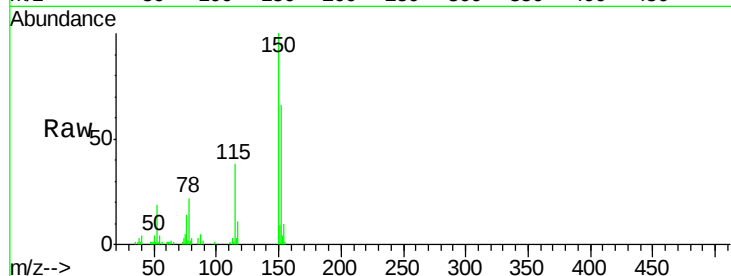
Tot Ion:152 Resp: 30794

Ion Ratio Lower Upper

152 100

150 151.2 126.6 189.8

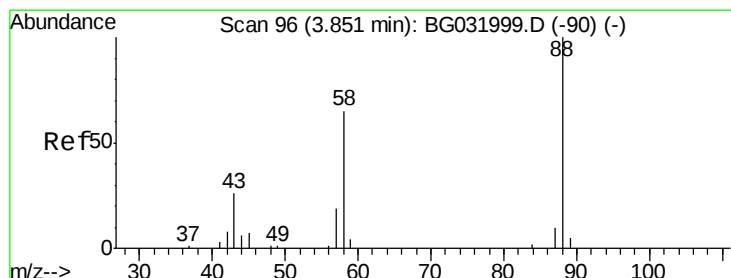
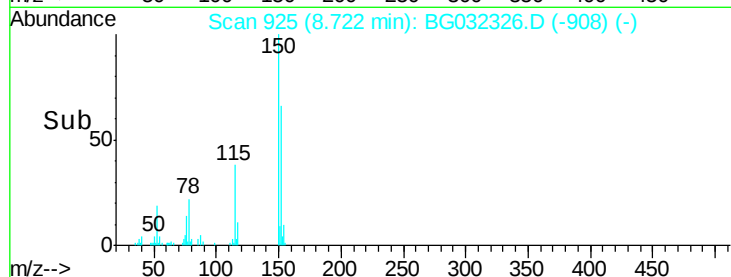
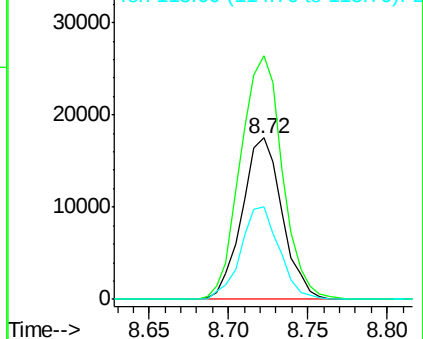
115 57.5 53.0 79.4



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



#2

1,4-Dioxane

Concen: 13.380 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.34 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

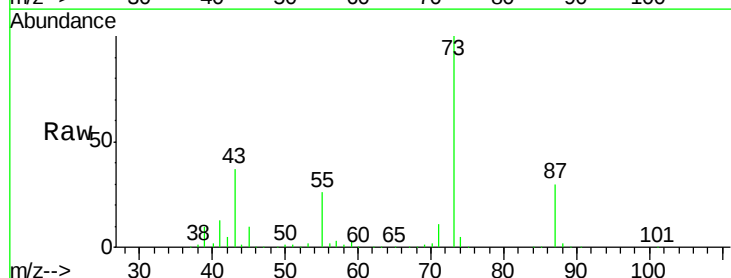
Tgt Ion: 88 Resp: 8655

Ion Ratio Lower Upper

88 100

58 35.1 79.6 119.4#

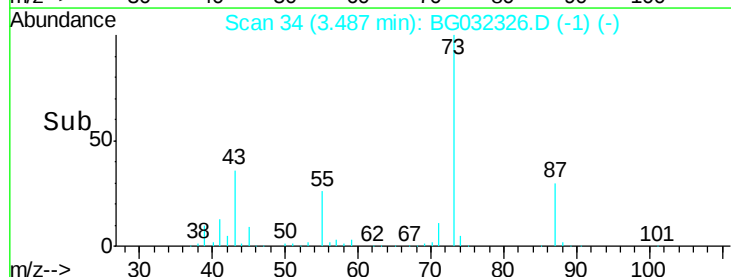
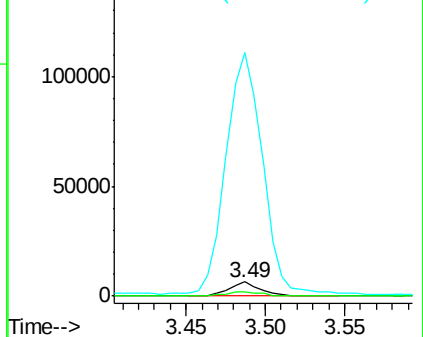
43 2051.6 27.4 41.0#

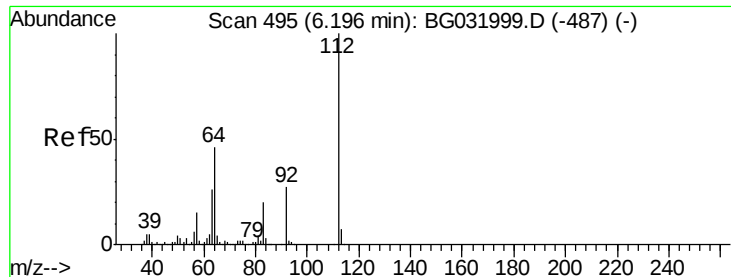


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.844 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

Instrument :

BNA_G

ClientSampleId :

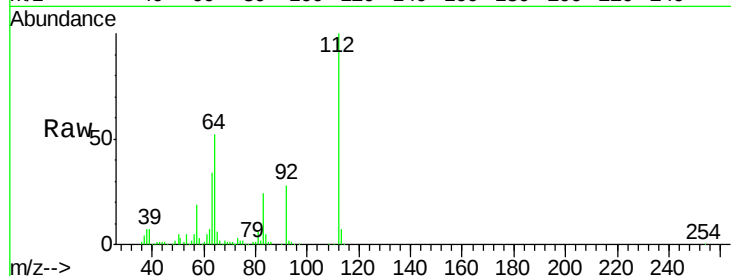
Tot Ion:112 Resp: 210201

Ion Ratio Lower Upper

112 100

64 51.9 56.3 84.5#

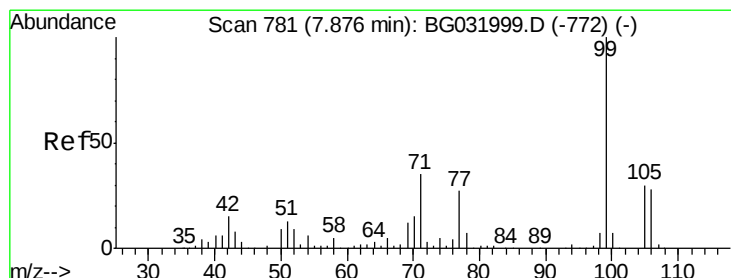
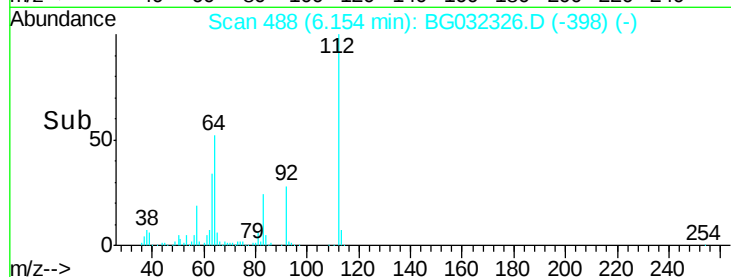
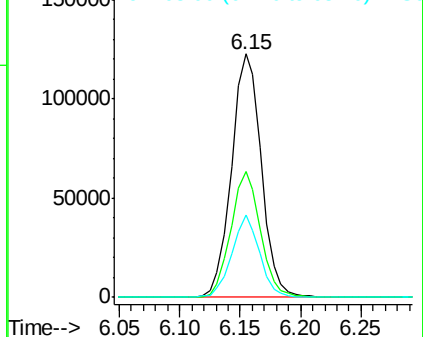
63 33.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 114.577 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

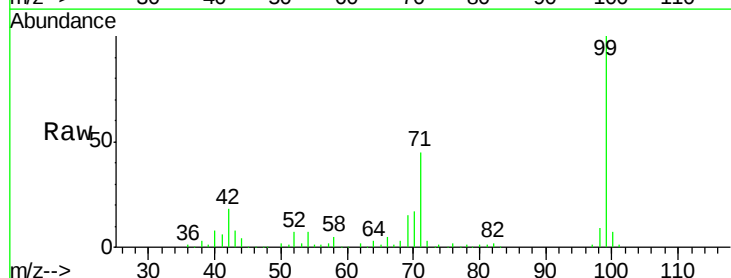
Tgt Ion: 99 Resp: 242964

Ion Ratio Lower Upper

99 100

42 18.2 14.1 21.1

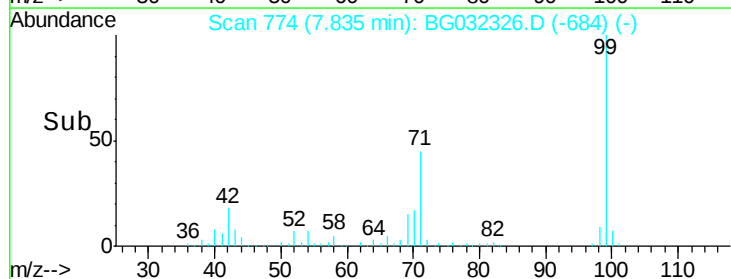
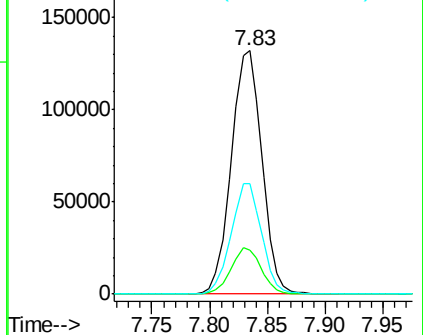
71 45.4 26.1 39.1#

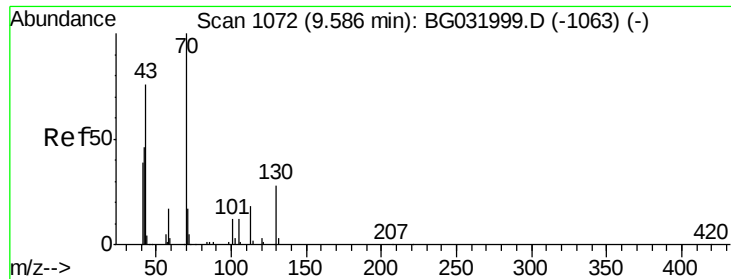


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

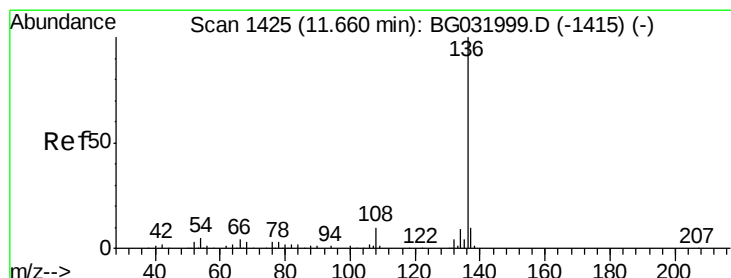
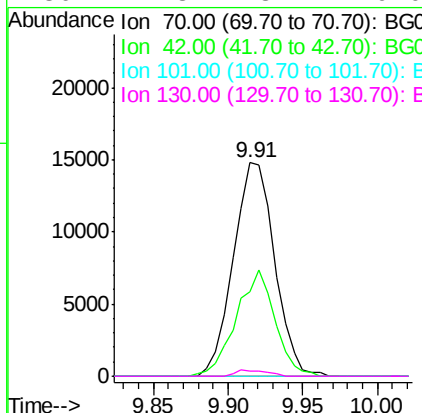
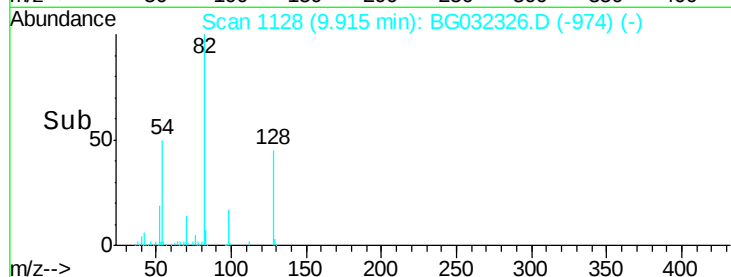
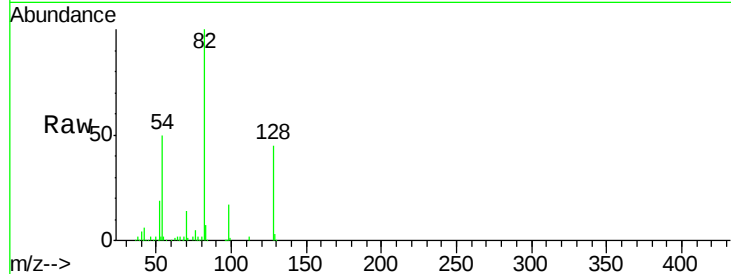




#19
n-Nitroso-di-n-propylamine
Concen: 21.591 ng
RT: 9.91 min Scan# 1128
Delta R.T. 0.37 min
Lab File: BG032326.D
Acq: 26 Jan 2018 12:16

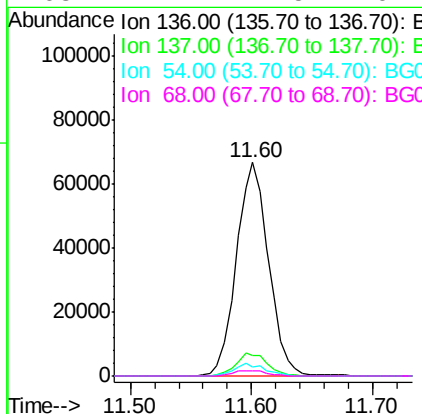
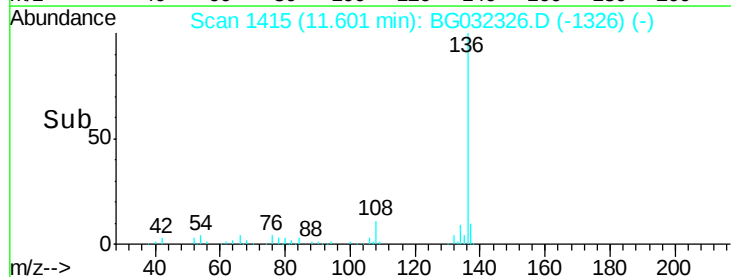
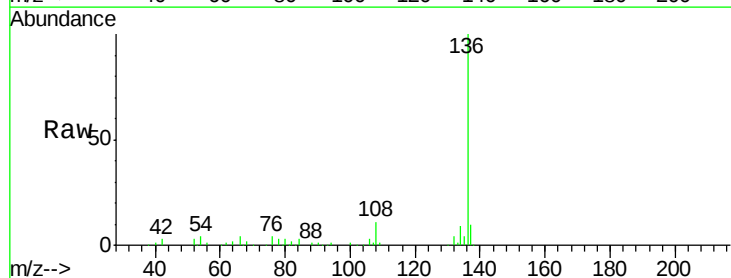
Instrument :
BNA_G
ClientSampleId :

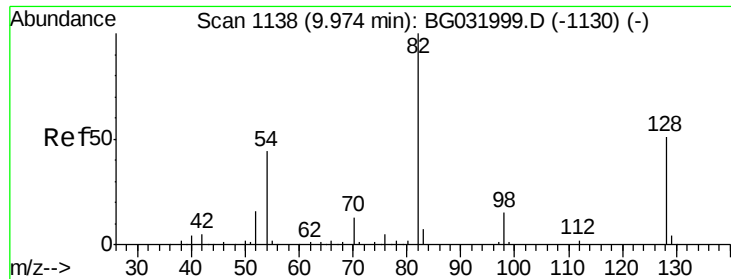
Tot Ion: 70 Resp: 28407
Ion Ratio Lower Upper
70 100
42 39.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032326.D
Acq: 26 Jan 2018 12:16

Tgt Ion: 136 Resp: 123683
Ion Ratio Lower Upper
136 100
137 9.8 9.2 13.8
54 4.4 10.3 15.5#
68 2.2 4.5 6.7#

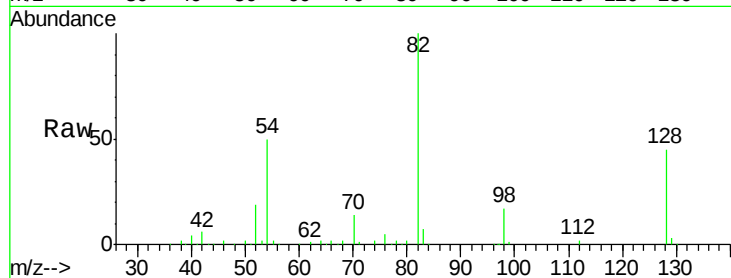




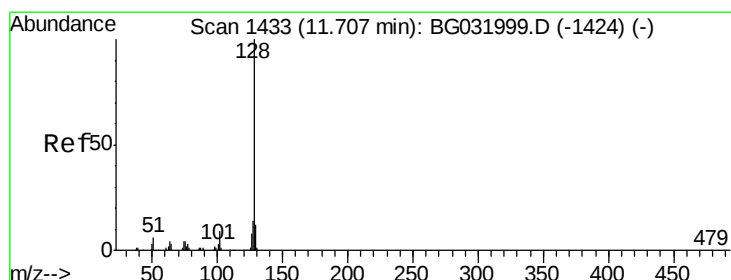
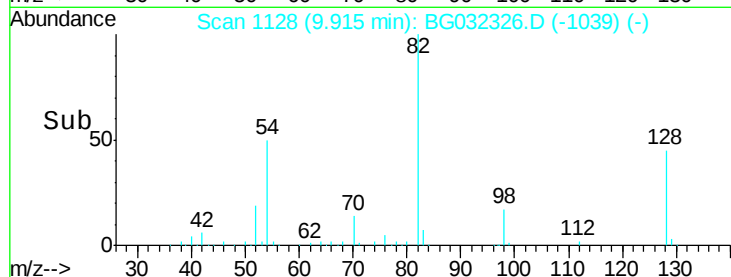
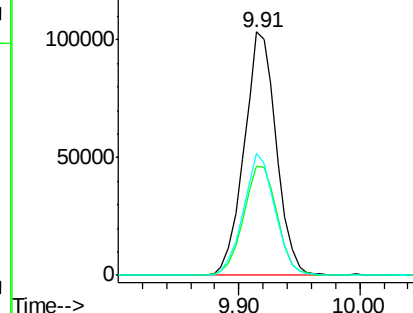
#23
 Nitrobenzene-d5
 Concen: 104.746 ng
 RT: 9.91 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 191492
 Ion Ratio Lower Upper
 82 100
 128 44.7 29.7 44.5#
 54 49.9 43.1 64.7

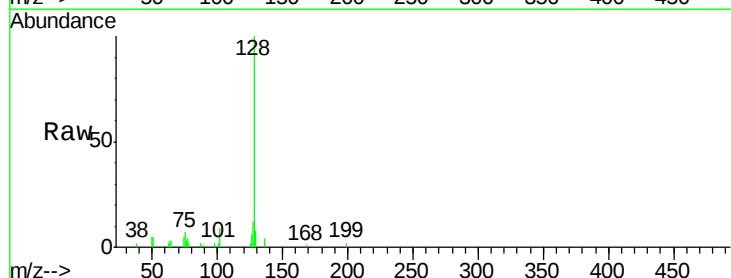


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

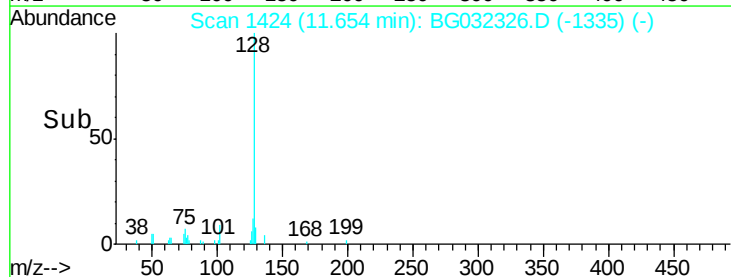
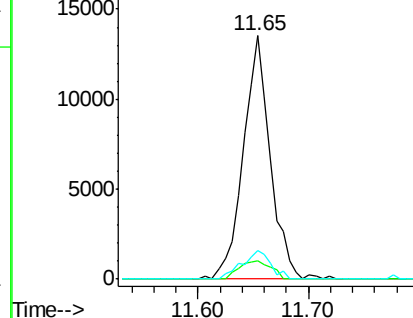


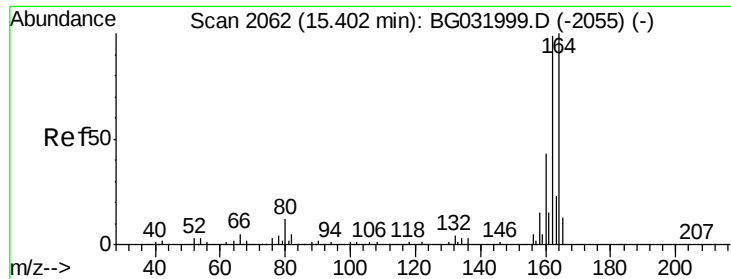
#31
 Naphthalene
 Concen: 3.779 ng
 RT: 11.65 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

Tgt Ion:128 Resp: 23151
 Ion Ratio Lower Upper
 128 100
 129 7.8 8.6 12.8#
 127 11.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

Instrument :

BNA_G

ClientSampleId :

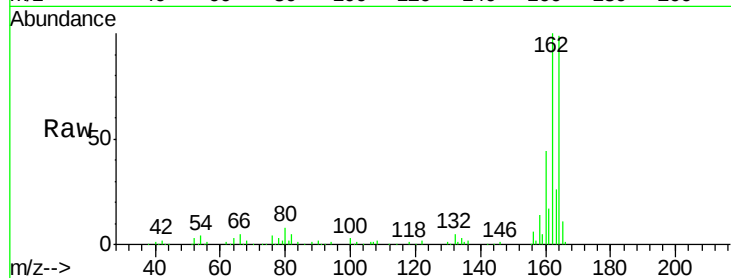
Tot Ion:164 Resp: 100819

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

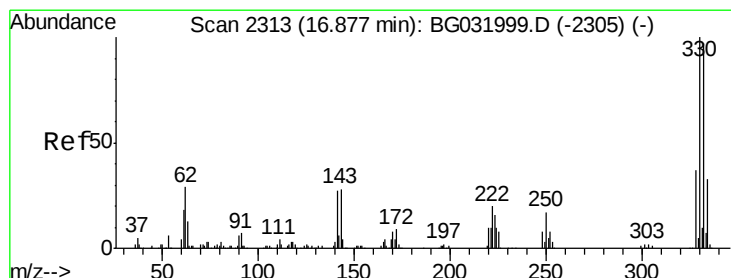
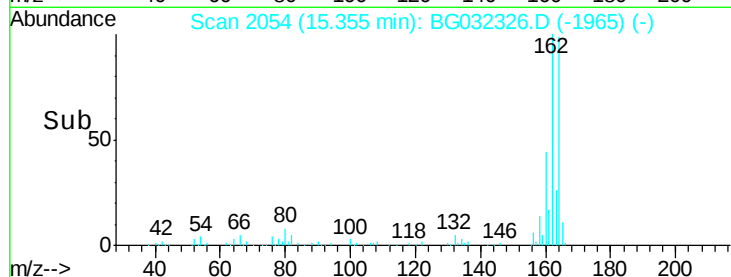
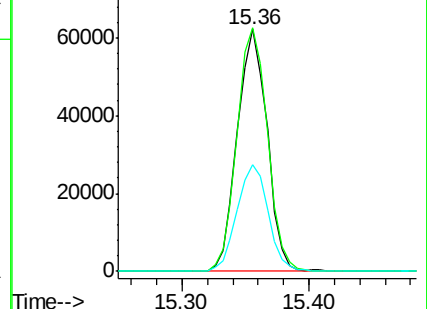
160 44.0 35.4 53.0



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: 172.329 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

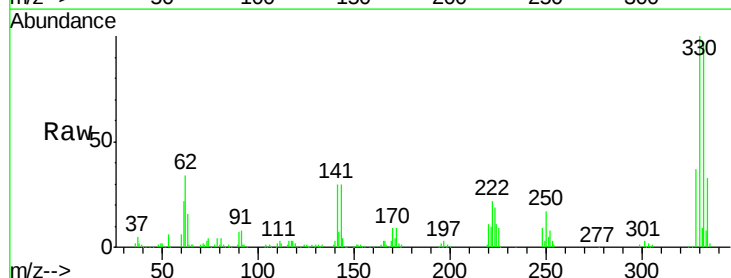
Tgt Ion:330 Resp: 287500

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

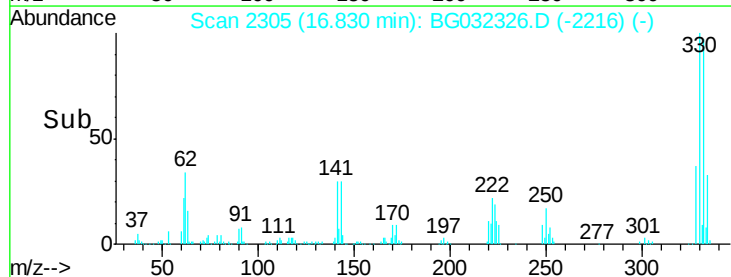
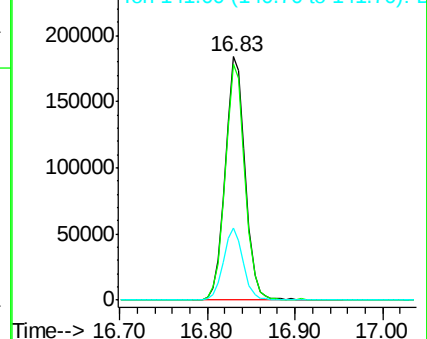
141 29.3 25.2 37.8

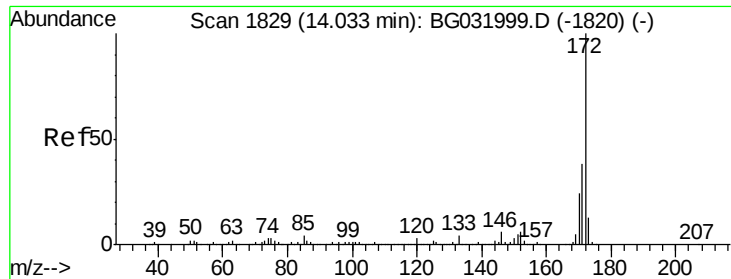


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

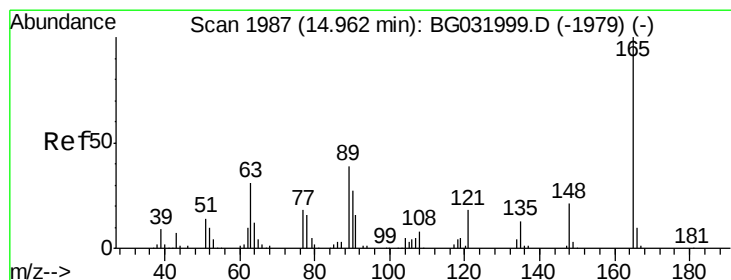
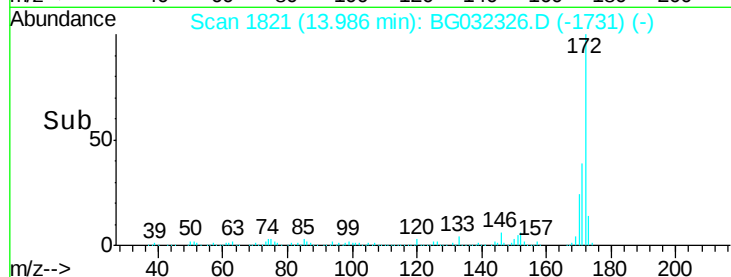
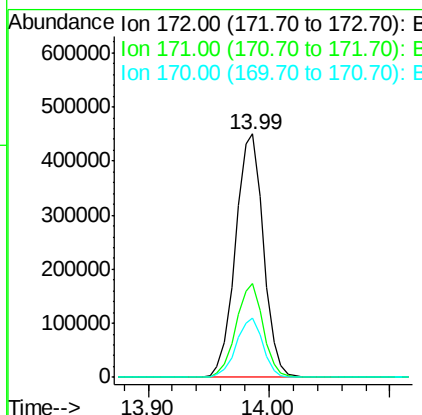
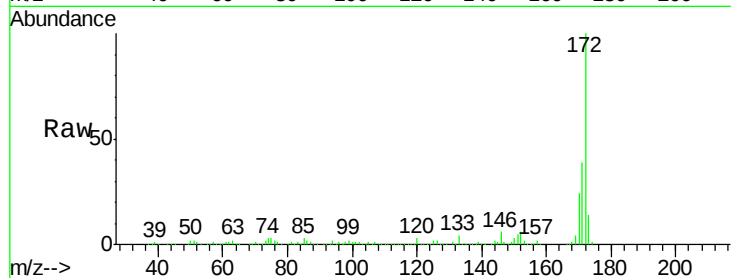




#44
 2-Fluorobiphenyl
 Concen: 89.033 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

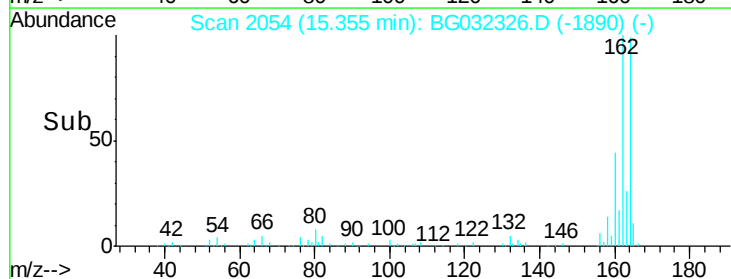
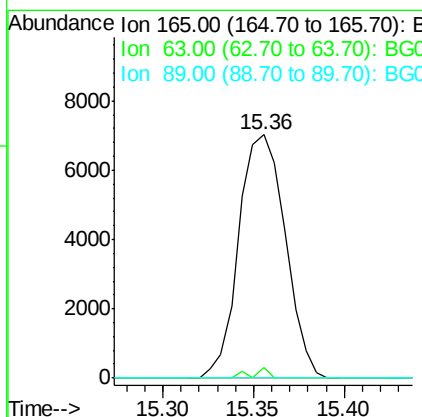
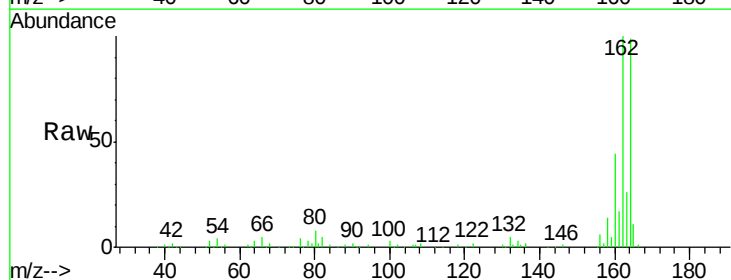
Instrument :
 BNA_G
 ClientSampleId :

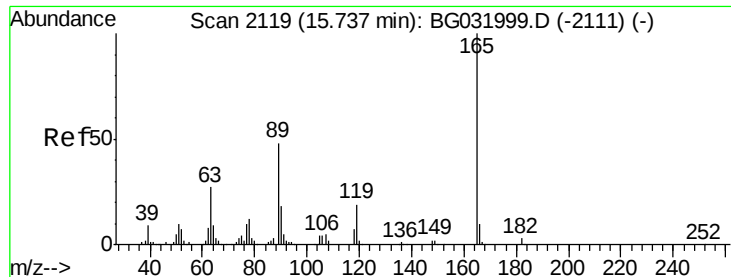
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	24.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.835 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.2	52.7	79.1#
89	0.0	49.2	73.8#

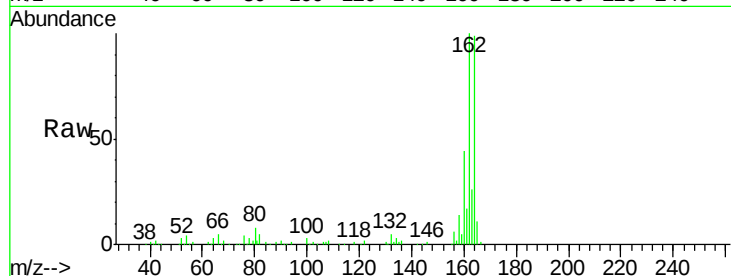




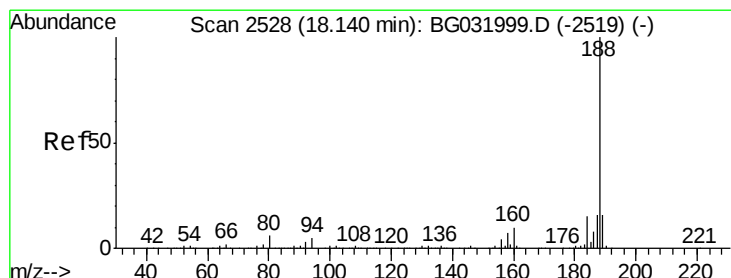
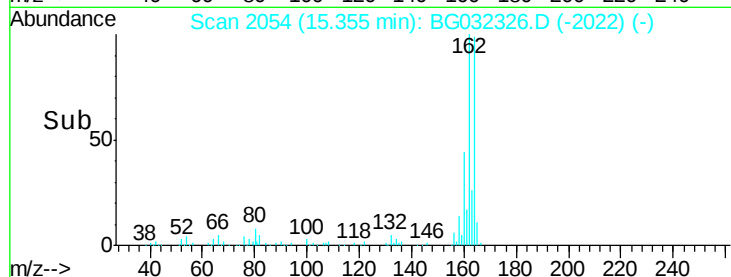
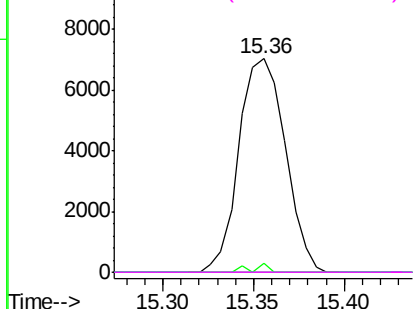
#56
2,4-Dinitrotoluene
Concen: 5.077 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032326.D
Acq: 26 Jan 2018 12:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 12517
Ion Ratio Lower Upper
165 100
63 4.2 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

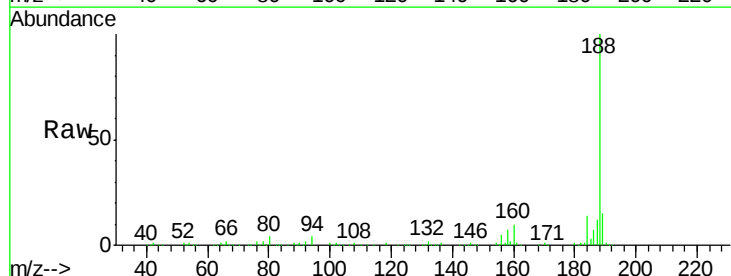


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

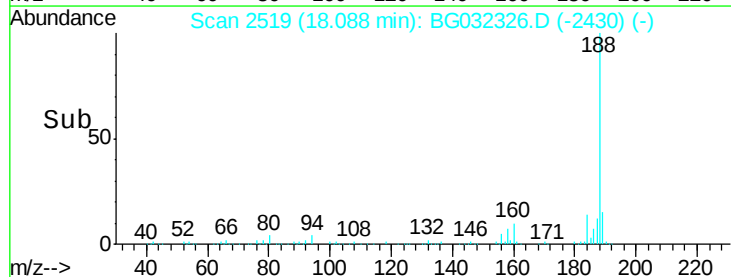
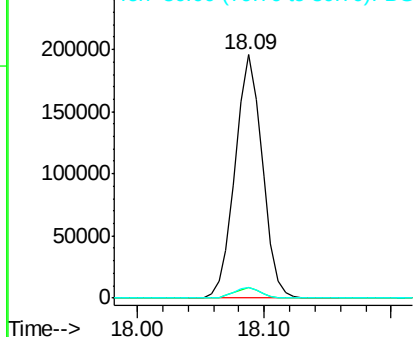


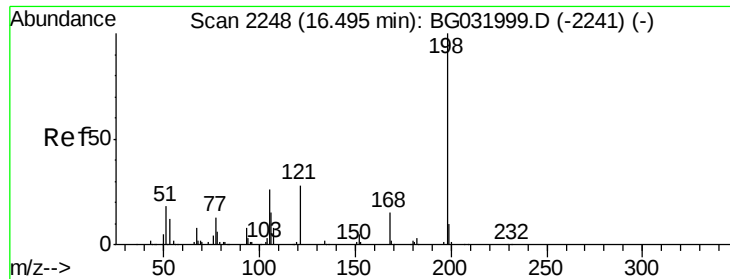
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032326.D
Acq: 26 Jan 2018 12:16

Tgt Ion:188 Resp: 290633
Ion Ratio Lower Upper
188 100
94 4.5 6.9 10.3#
80 4.4 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

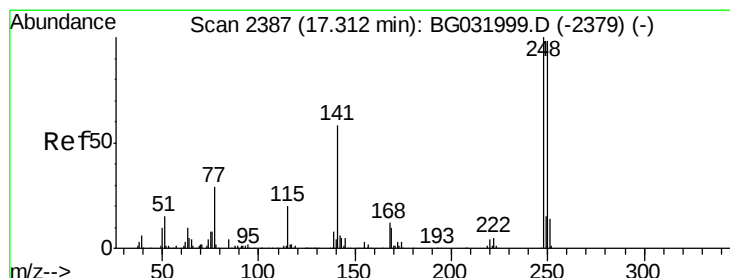
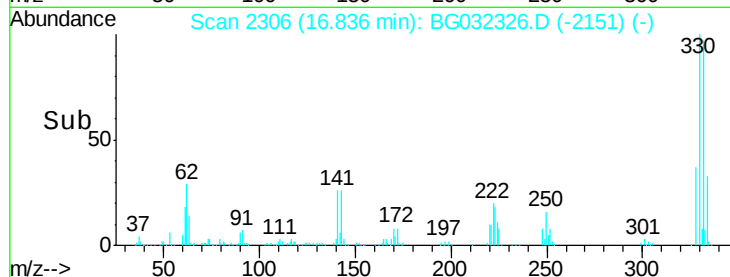
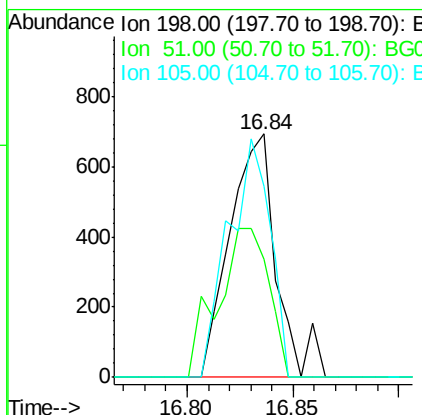
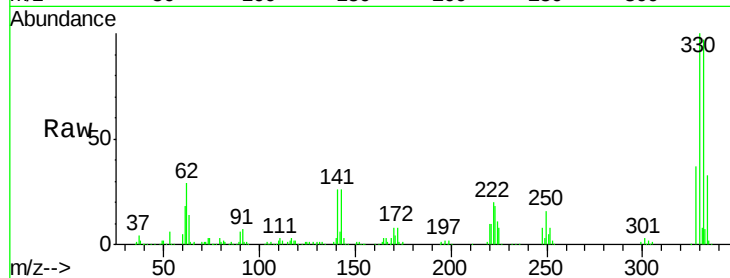




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.394 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

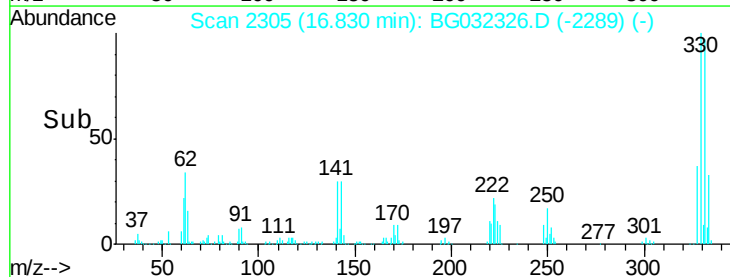
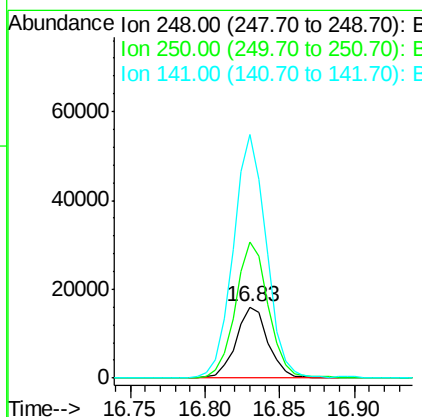
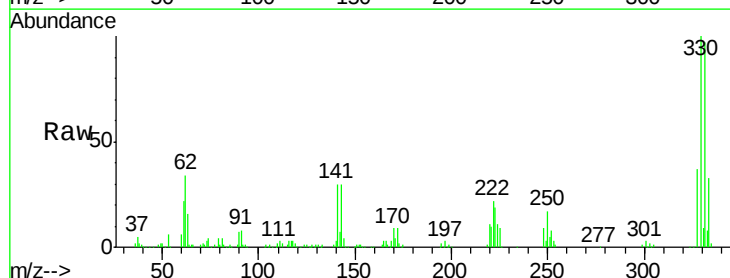
Instrument :
 BNA_G
 ClientSampled :

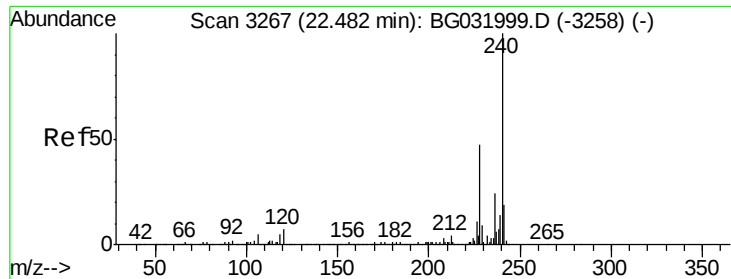
Tot Ion:198 Resp: 1055
 Ion Ratio Lower Upper
 198 100
 51 48.7 30.6 70.6
 105 78.4 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 5.755 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.44 min
 Lab File: BG032326.D
 Acq: 26 Jan 2018 12:16

Tgt Ion:248 Resp: 23797
 Ion Ratio Lower Upper
 248 100
 250 191.0 77.1 115.7#
 141 343.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

Instrument :

BNA_G

ClientSampleId :

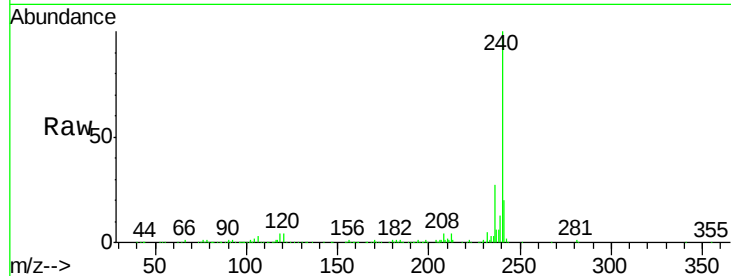
Tot Ion:240 Resp: 359905

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

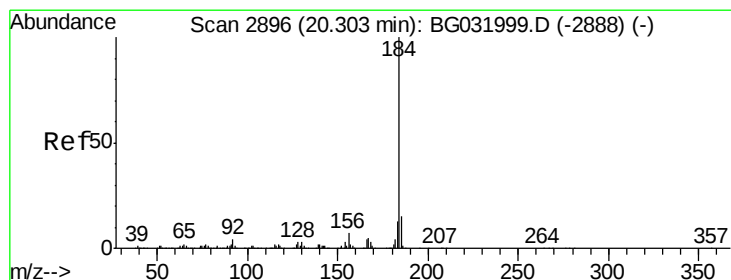
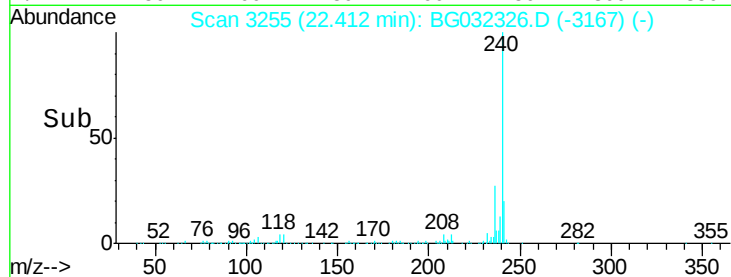
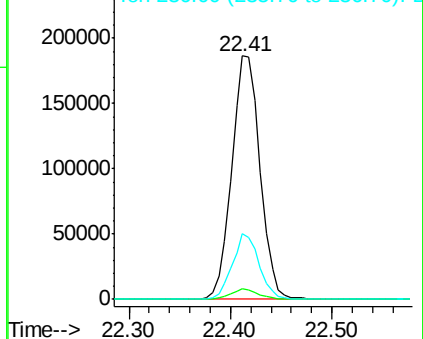
236 27.1 20.9 31.3



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



#76

Benzidine

Concen: 2.693 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

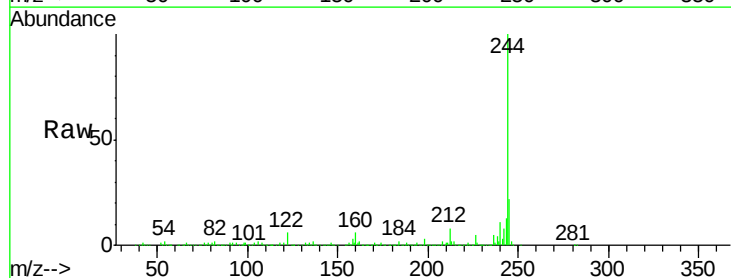
Tgt Ion:184 Resp: 24241

Ion Ratio Lower Upper

184 100

185 19.0 11.1 16.7#

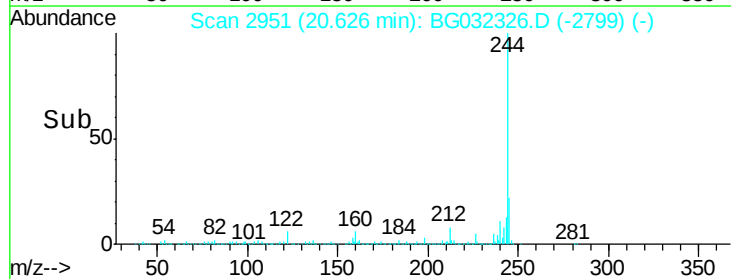
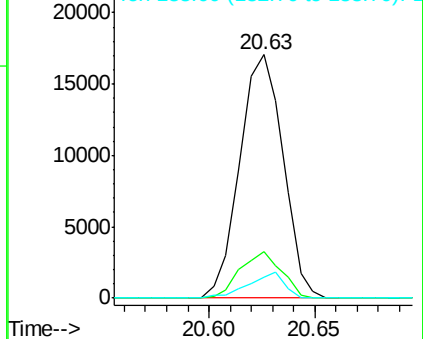
183 8.7 10.6 16.0#

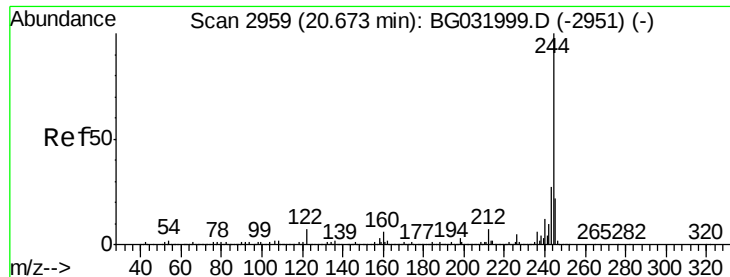


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.586 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

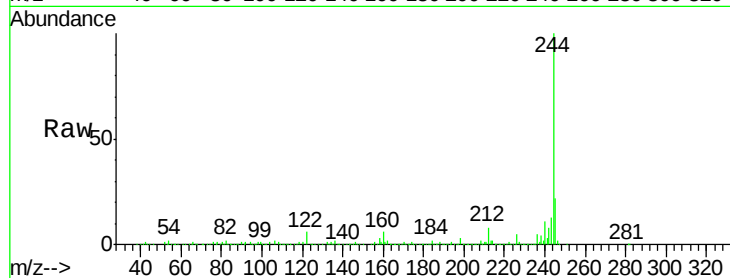
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1655828

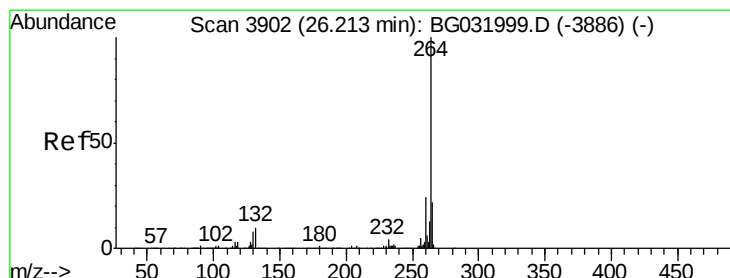
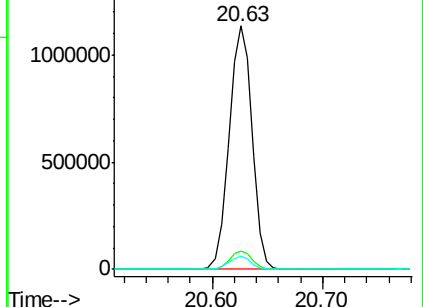
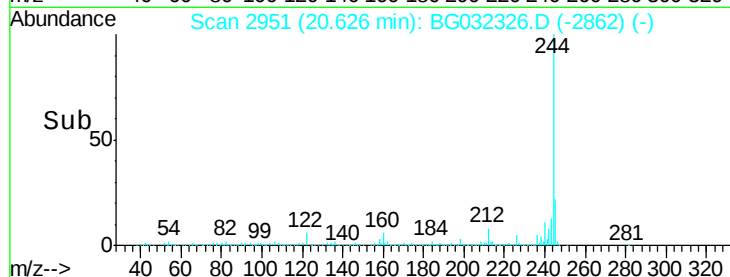
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	5.7	7.0	10.4



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: 26.09 min Scan# 3881

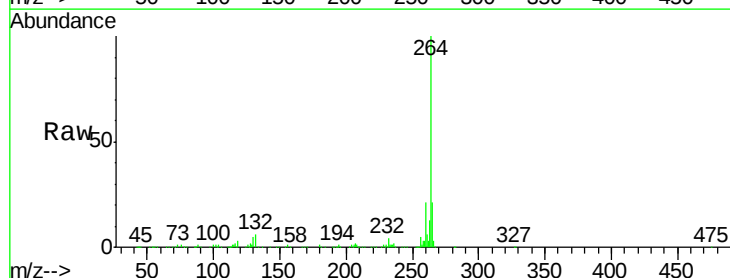
Delta R.T. -0.02 min

Lab File: BG032326.D

Acq: 26 Jan 2018 12:16

Tgt Ion:264 Resp: 383509

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.4	26.0
265	21.0	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

