

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040642.D
 Acq On : 27 Apr 2019 00:24
 Operator : JU/SJ
 Sample : PB119239BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:05:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	35798	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	141129	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	99853	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	277381	20.00	ng	0.00
76) Chrysene-d12	21.81	240	292561	20.00	ng	-0.01
87) Perylene-d12	25.19	264	303046	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	356842	175.72	ng	0.00
7) Phenol-d6	7.29	99	523054	167.28	ng	0.00
23) Nitrobenzene-d5	9.33	82	358140	117.26	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	259657	189.19	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	774101	111.96	ng	0.00
79) Terphenyl-d14	20.13	244	1590078	120.41	ng	0.00

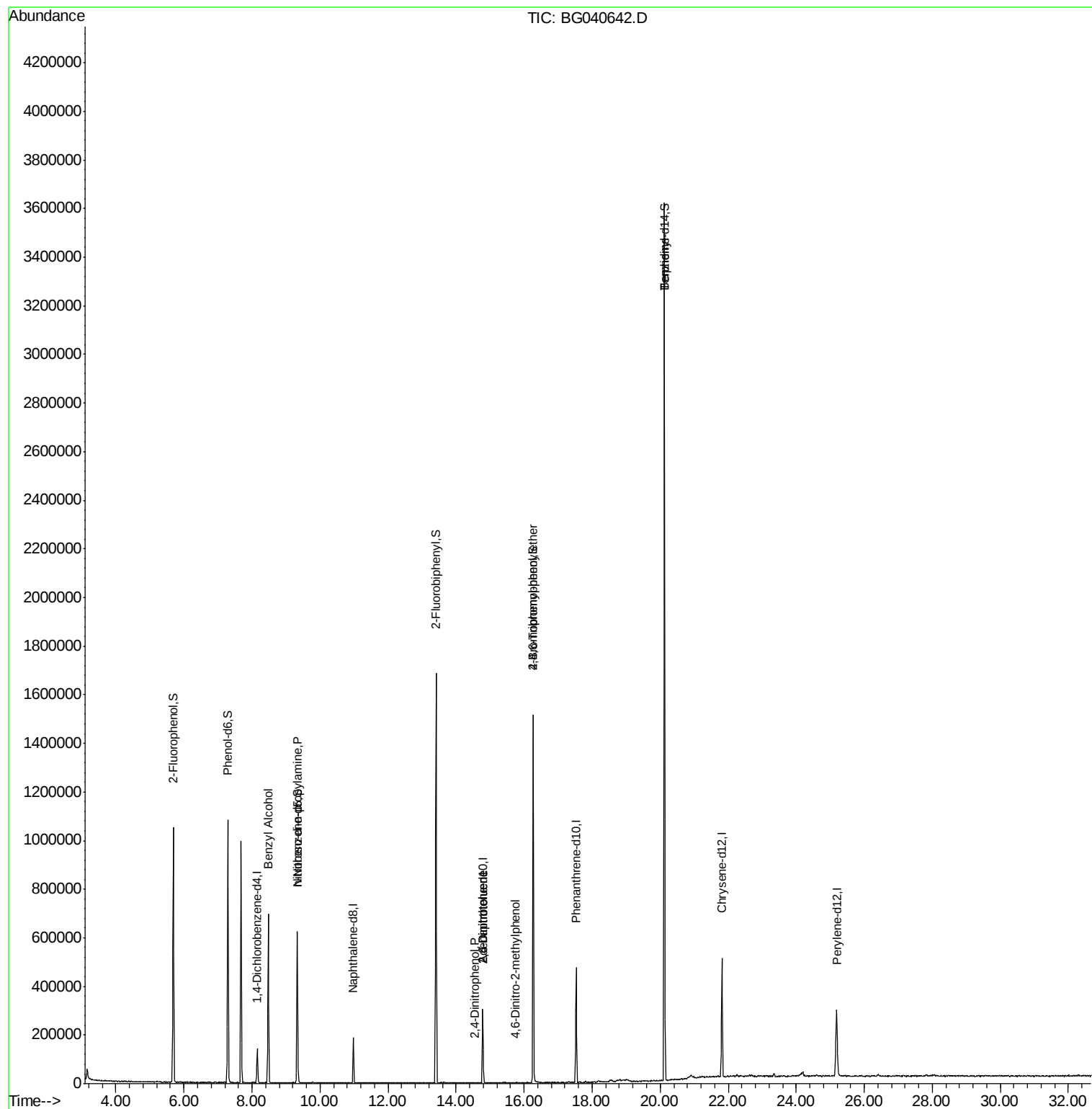
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	1500	Below Cal		# 6
15) Benzyl Alcohol	8.48	79	6536	2.009	ng	# 44
19) n-Nitroso-di-n-propylamine	9.33	70	52893	18.792	ng	# 76
51) 2,6-Dinitrotoluene	14.79	165	13538	8.303	ng	# 14
54) 2,4-Dinitrophenol	14.56	184	87	7.101	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	13538	6.110	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.73	198	69	7.144	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	19255	5.572	ng	# 1
77) Benzidine	20.13	184	30393	3.794	ng	98

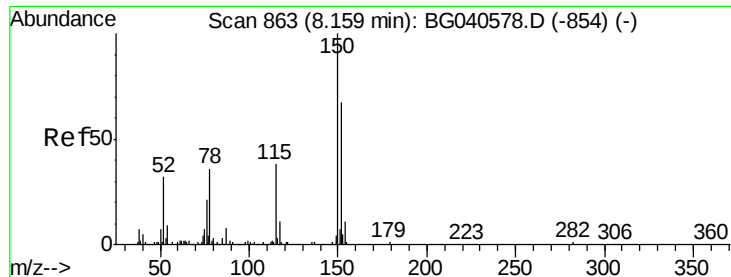
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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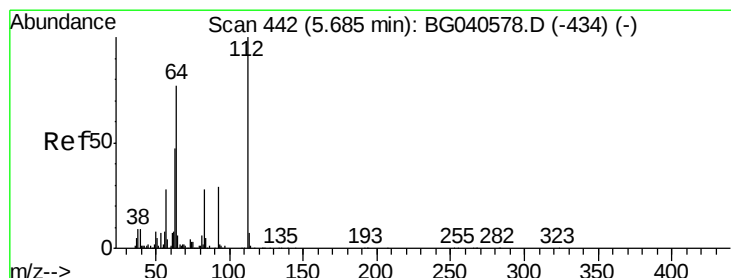
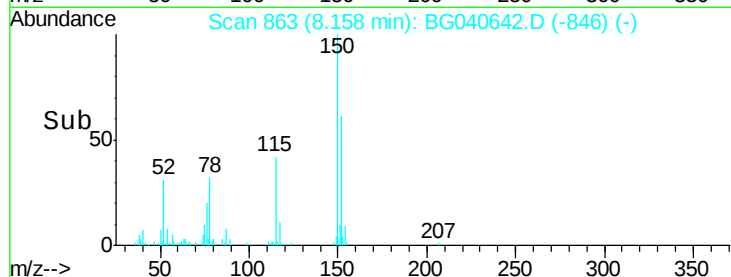
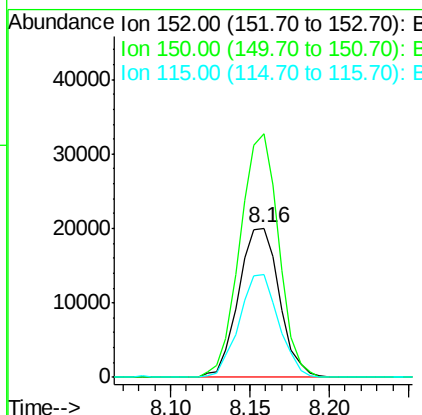
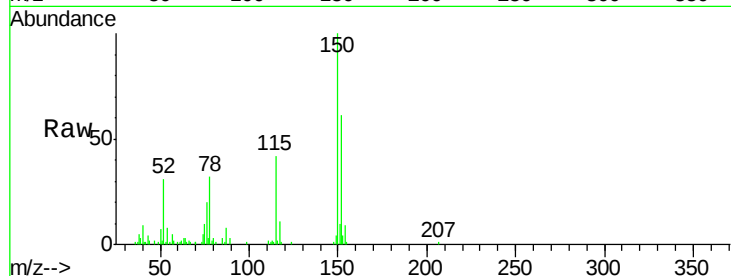


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040642.D
Acq: 27 Apr 2019 00:24

Instrument :
BNA_G
ClientSampleId :

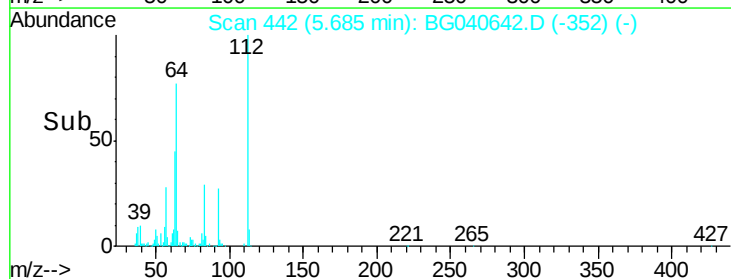
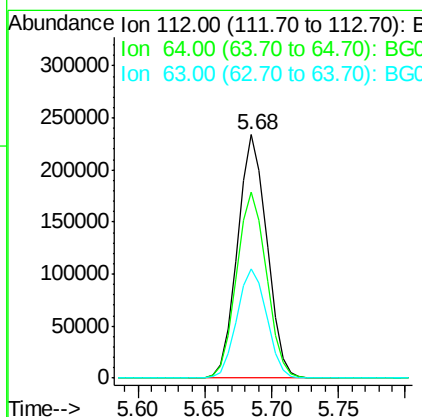
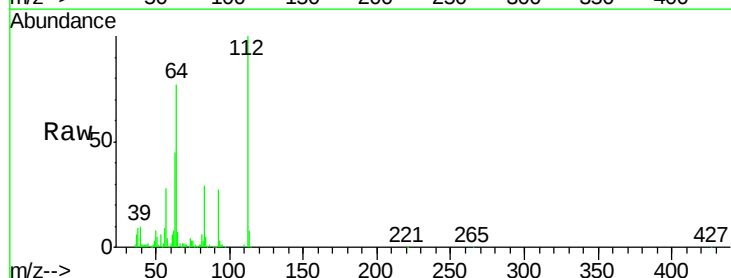
Tot Ion	152	Resp	35798
Ion	Ratio	Lower	Upper
152	100		
150	163.0	120.2	180.2
115	68.9	46.2	69.2

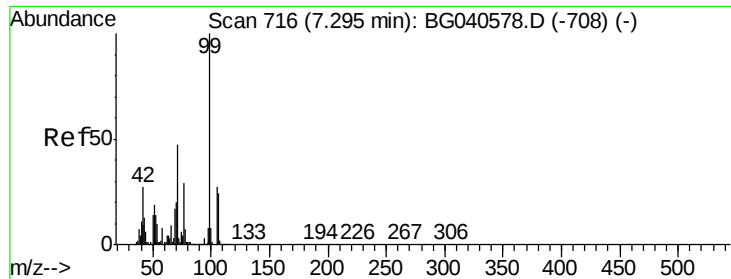


#5

2-Fluorophenol
Concen: 175.716 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040642.D
Acq: 27 Apr 2019 00:24

Tgt Ion	112	Resp	356842
Ion	Ratio	Lower	Upper
112	100		
64	76.7	61.4	92.0
63	44.8	37.8	56.6





#7

Phenol-d6

Concen: 167.279 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampleId :

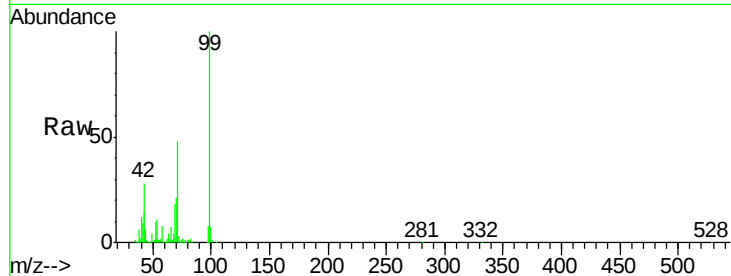
Tot Ion: 99 Resp: 523054

Ion Ratio Lower Upper

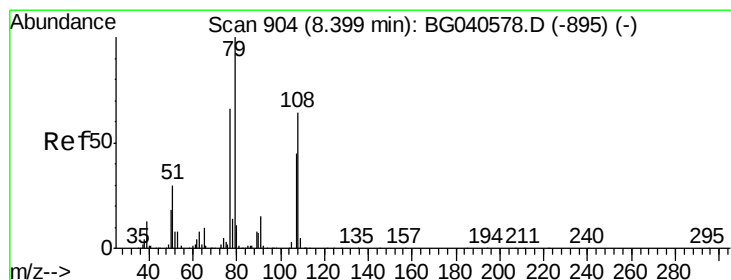
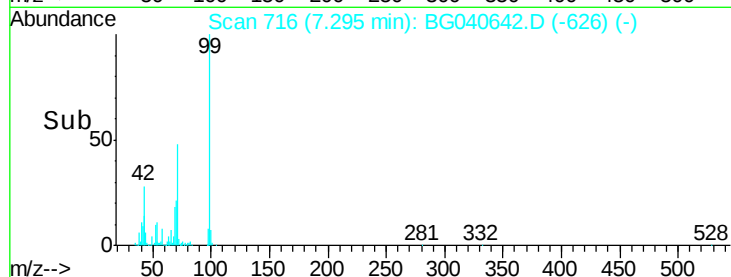
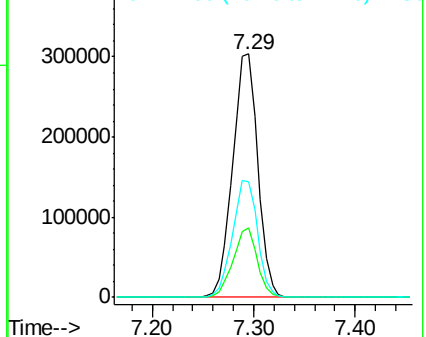
99 100

42 28.3 21.8 32.8

71 47.5 38.6 57.8



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



#15

Benzyl Alcohol

Concen: 2.009 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.08 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

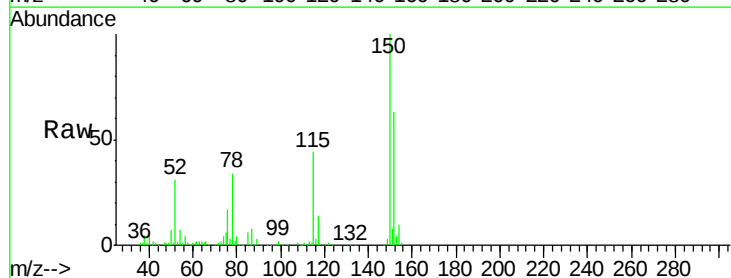
Tgt Ion: 79 Resp: 6536

Ion Ratio Lower Upper

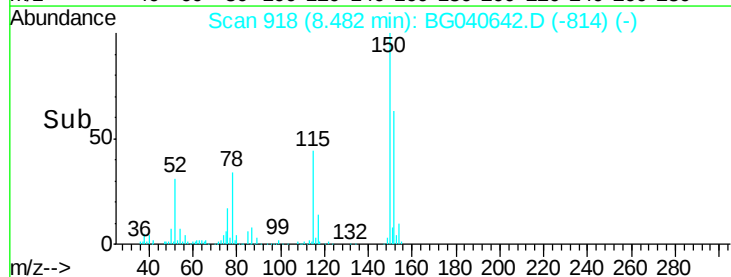
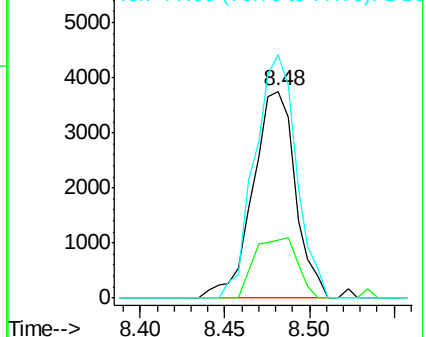
79 100

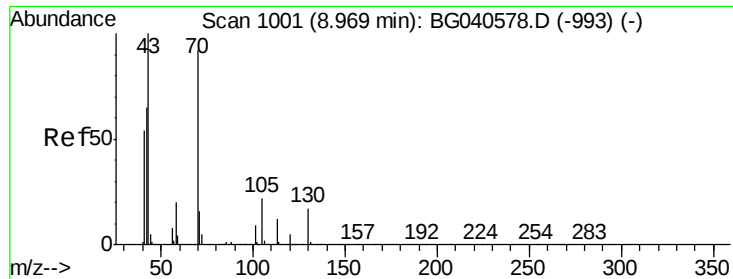
108 28.2 51.4 77.0#

77 117.7 52.6 79.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

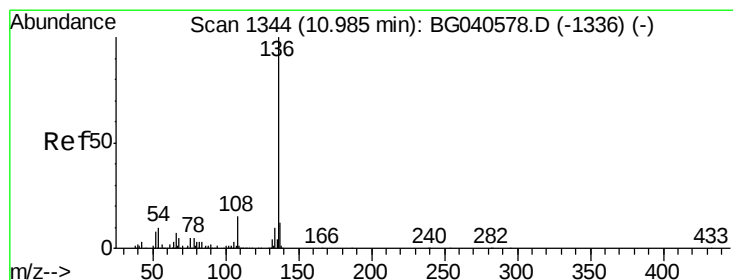
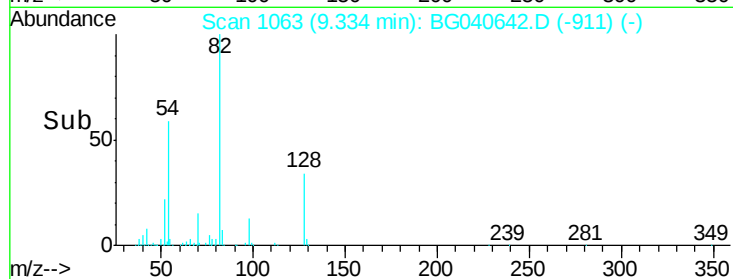
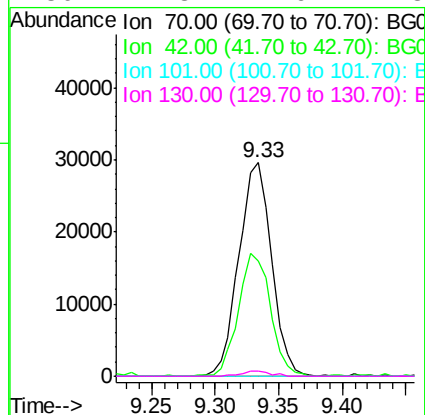
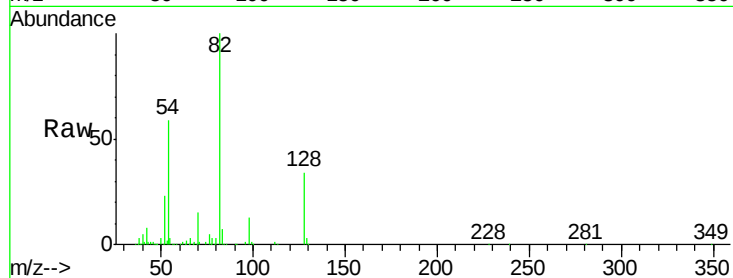




#19
n-Nitroso-di-n-propylamine
Concen: 18.792 ng
RT: 9.33 min Scan# 1063
Delta R.T. 0.36 min
Lab File: BG040642.D
Acq: 27 Apr 2019 00:24

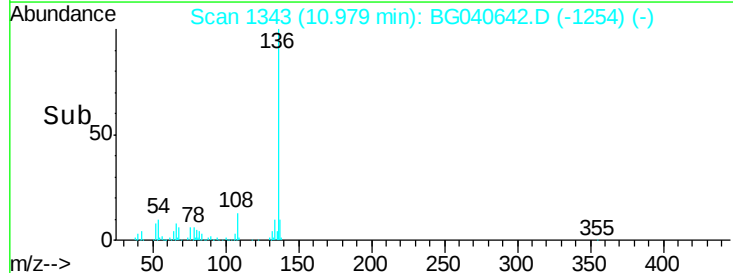
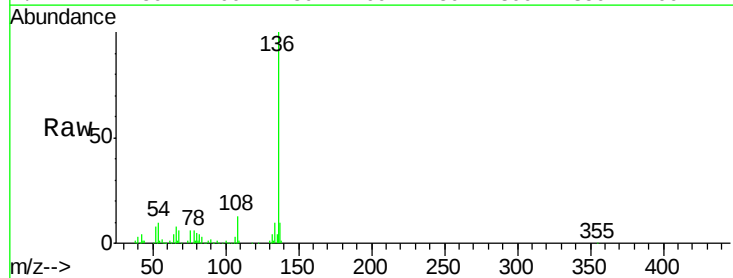
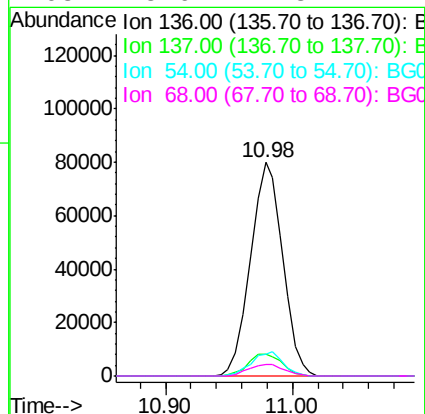
Instrument :
BNA_G
ClientSampleId :

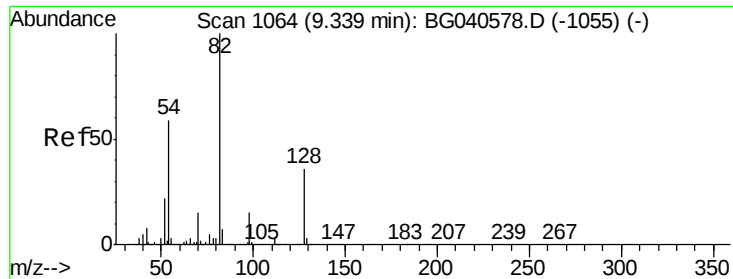
Tot Ion: 70 Resp: 52893
Ion Ratio Lower Upper
70 100
42 54.1 57.1 85.7#
101 0.0 7.8 11.8#
130 2.3 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040642.D
Acq: 27 Apr 2019 00:24

Tgt Ion:136 Resp: 141129
Ion Ratio Lower Upper
136 100
137 10.1 9.7 14.5
54 10.4 8.6 12.8
68 5.6 4.8 7.2

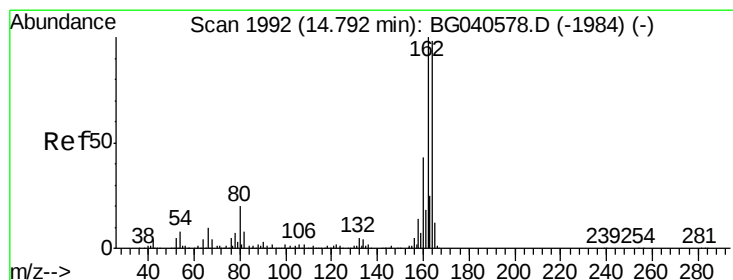
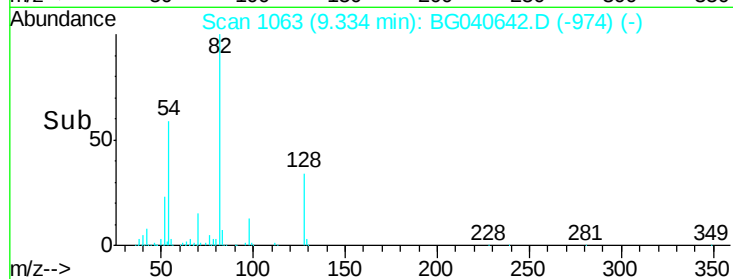
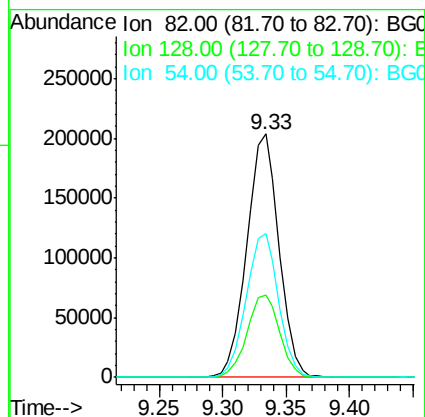
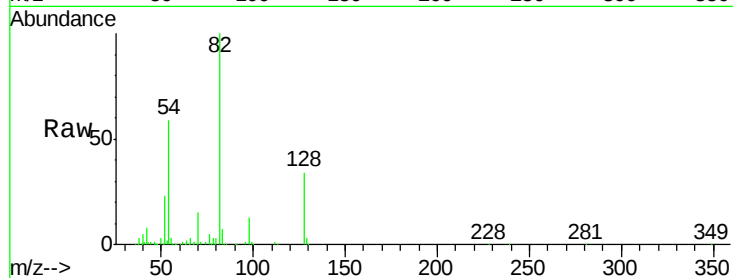




#23
 Nitrobenzene-d5
 Concen: 117.257 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BG040642.D
 Acq: 27 Apr 2019 00:24

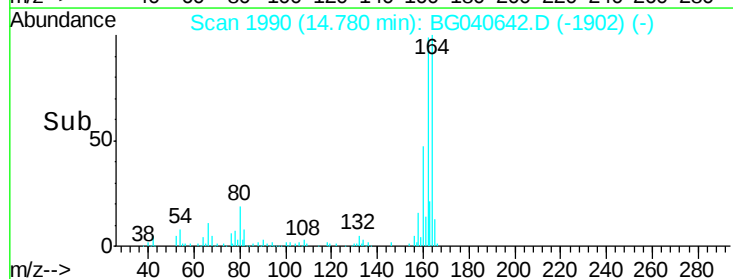
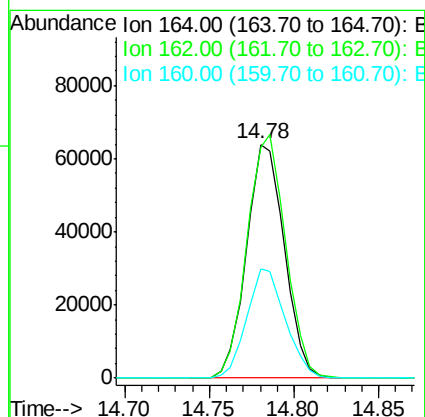
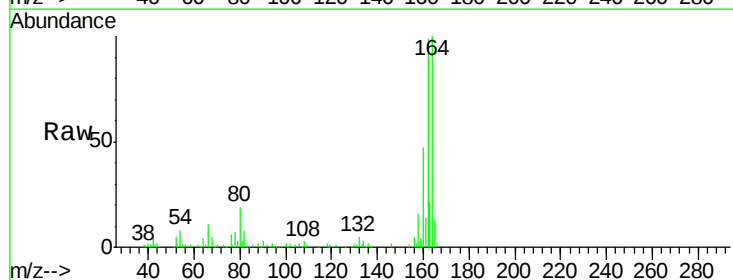
Instrument :
 BNA_G
 ClientSampleId :

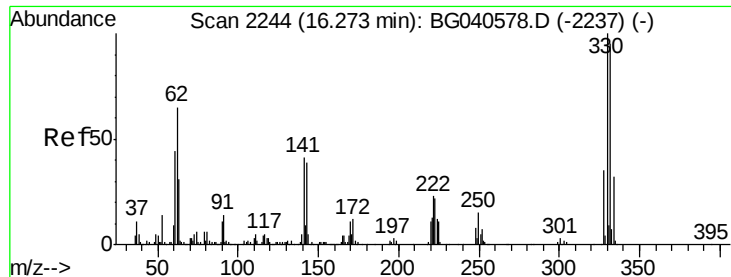
Tot Ion: 82 Resp: 358140
 Ion Ratio Lower Upper
 82 100
 128 34.0 28.9 43.3
 54 58.9 47.2 70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BG040642.D
 Acq: 27 Apr 2019 00:24

Tgt Ion:164 Resp: 99853
 Ion Ratio Lower Upper
 164 100
 162 98.9 81.9 122.9
 160 46.7 35.4 53.2

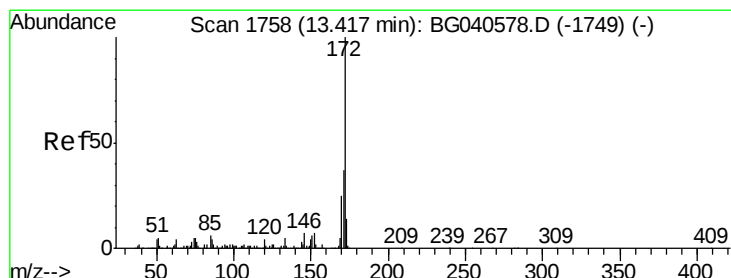
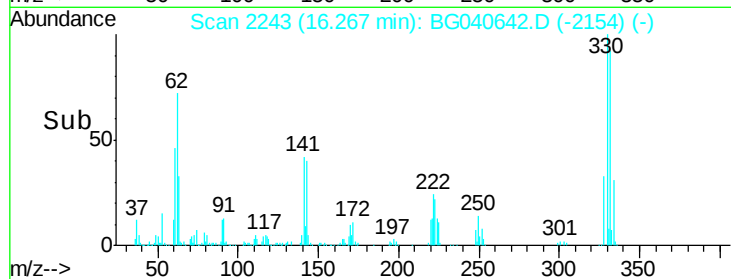
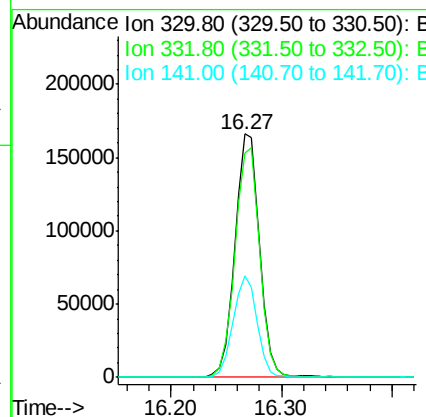
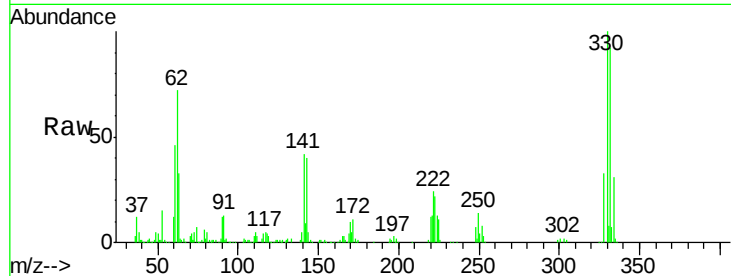




#42
 2,4,6-Tribromophenol
 Concen: 189.185 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG040642.D
 Acq: 27 Apr 2019 00:24

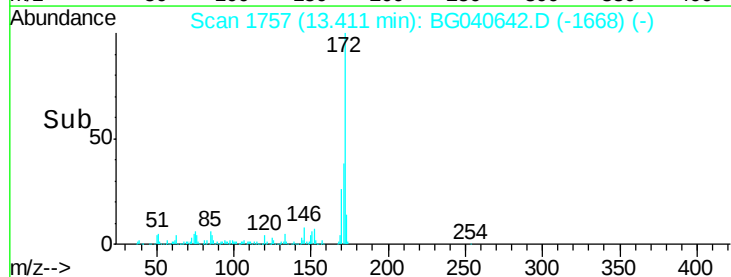
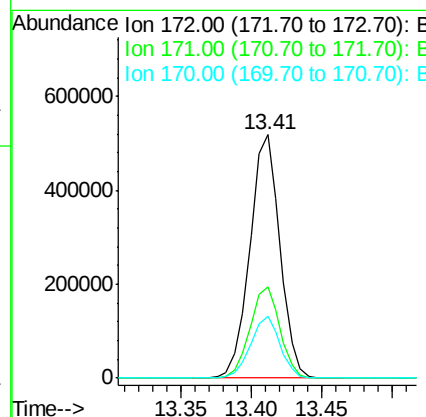
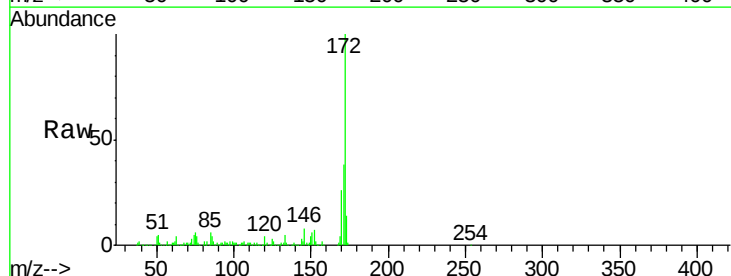
Instrument :
 BNA_G
 ClientSampleId :

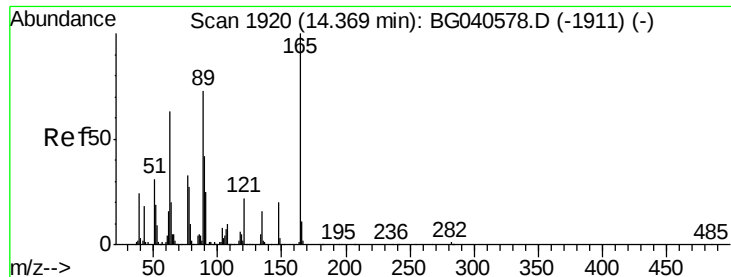
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.9	113.9
141	40.8	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 111.960 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040642.D
 Acq: 27 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	25.6	19.9	29.9





#51

2,6-Dinitrotoluene

Concen: 8.303 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampleId :

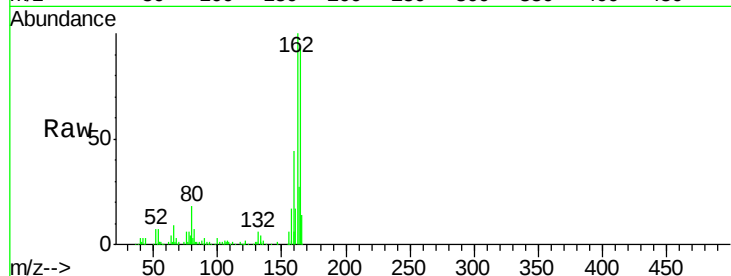
Tot Ion:165 Resp: 13538

Ion Ratio Lower Upper

165 100

63 0.0 61.0 91.4#

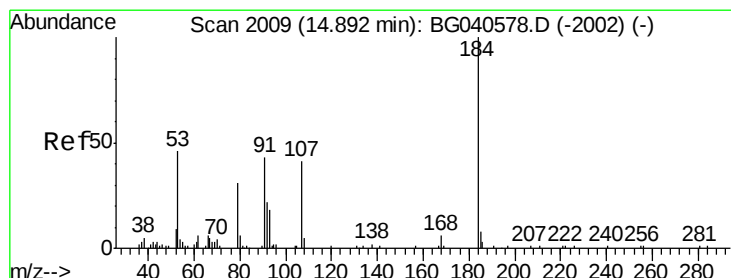
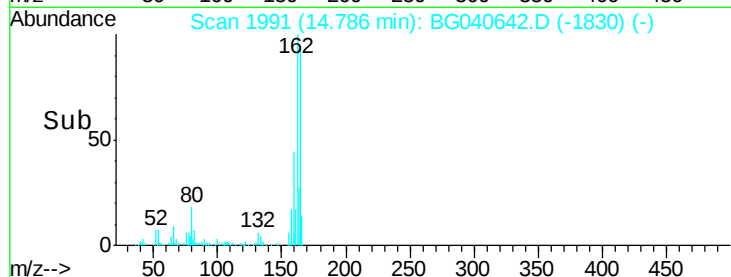
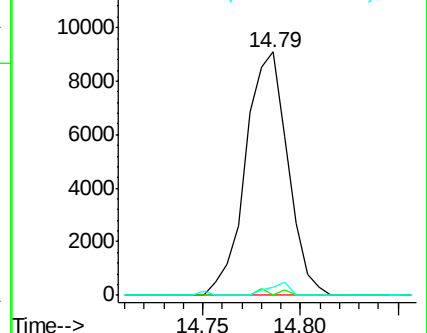
89 3.4 58.6 87.8#



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



#54

2,4-Dinitrophenol

Concen: 7.101 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.33 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

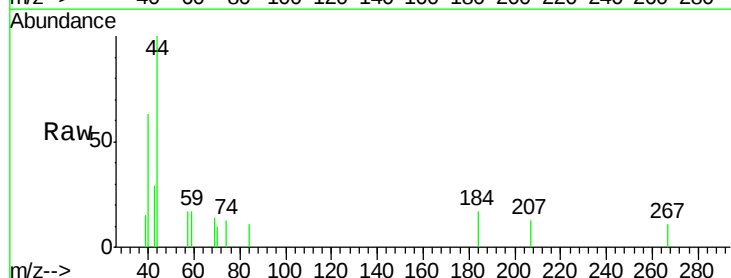
Tgt Ion:184 Resp: 87

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

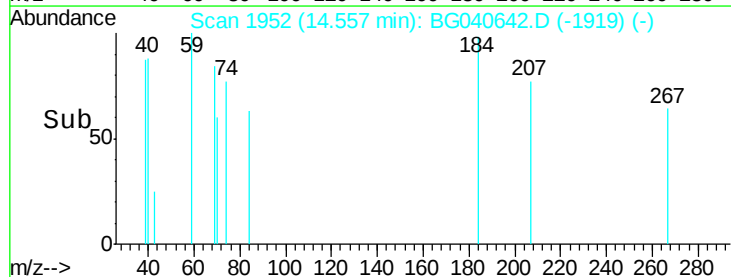
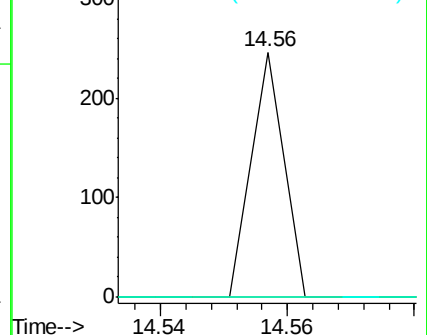
154 0.0 43.6 65.4#

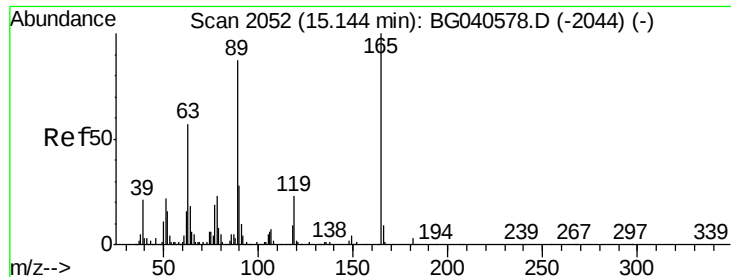


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.110 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 13538

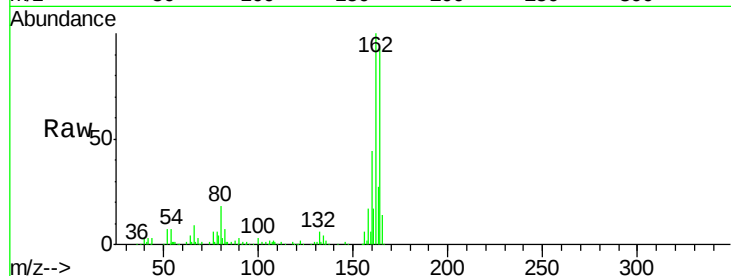
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 3.4 69.4 104.2#

182 0.0 2.2 3.4#

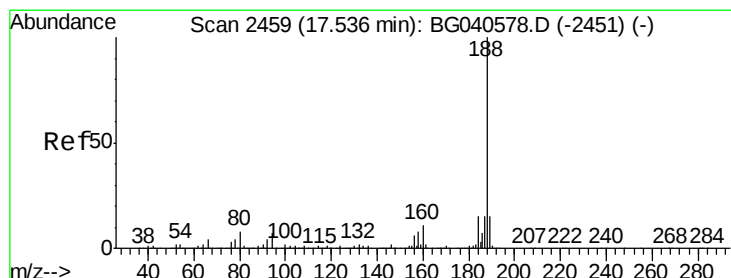
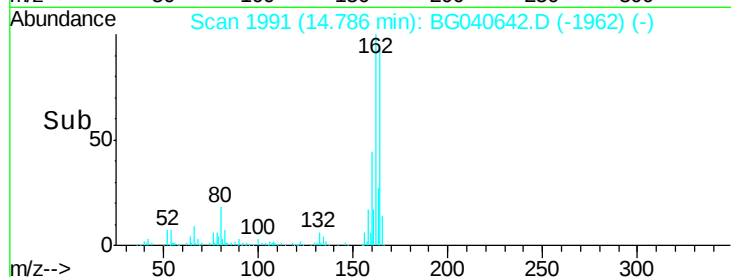
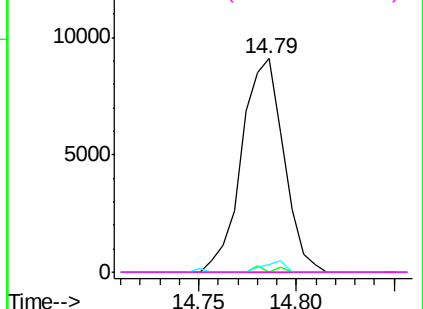


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

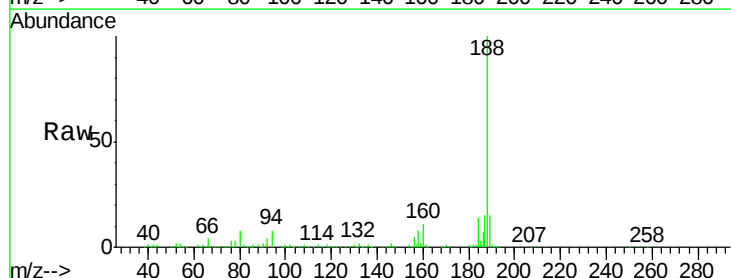
Tgt Ion:188 Resp: 277381

Ion Ratio Lower Upper

188 100

94 7.6 5.6 8.4

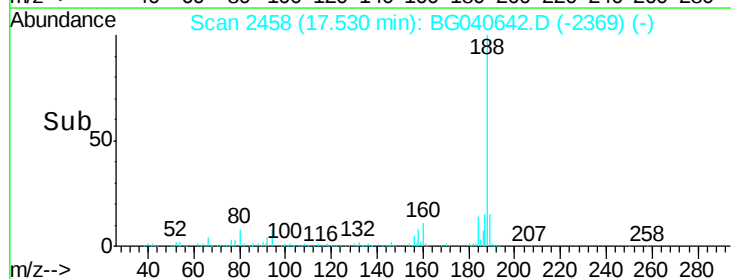
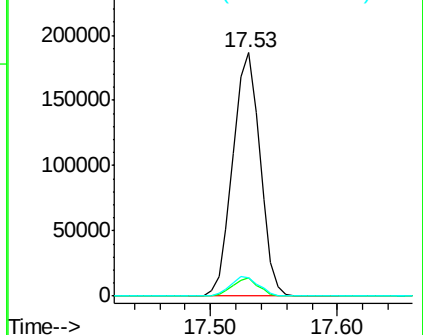
80 7.6 6.4 9.6

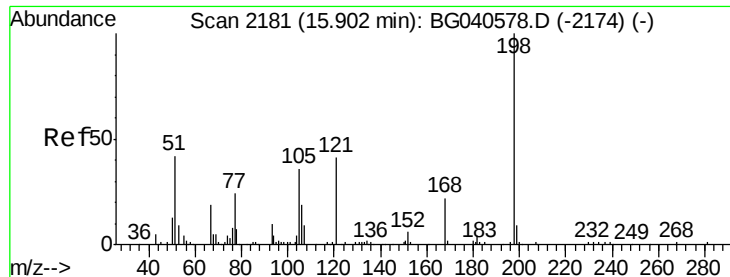


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.144 ng

RT: 15.73 min Scan# 2151

Delta R.T. -0.18 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampled :

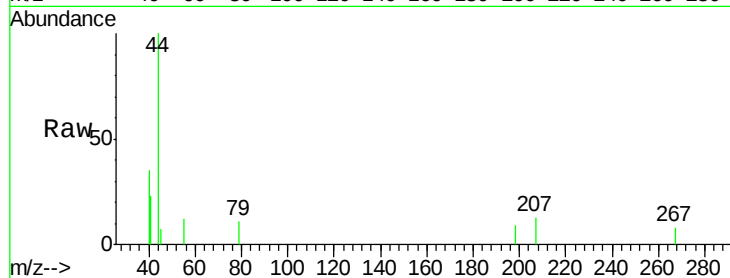
Tot Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

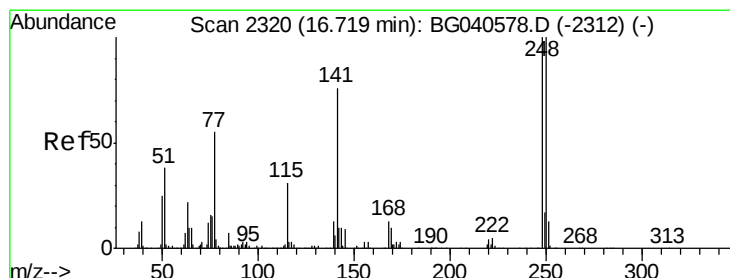
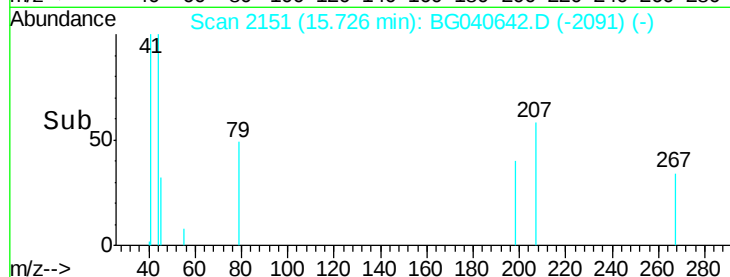
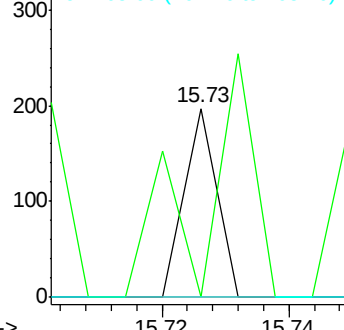
105 0.0 21.2 61.2#



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



#67

4-Bromophenyl-phenylether

Concen: 5.572 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

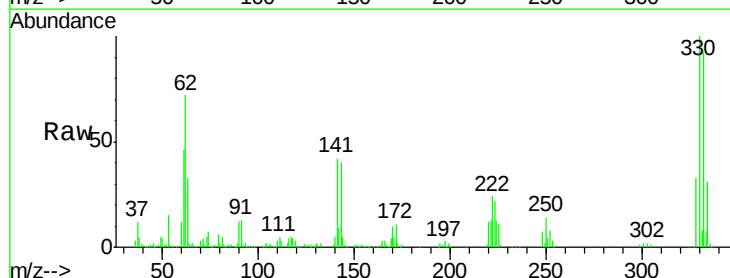
Tgt Ion:248 Resp: 19255

Ion Ratio Lower Upper

248 100

250 249.2 79.8 119.6#

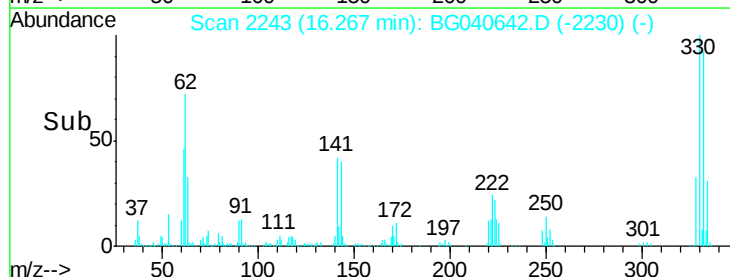
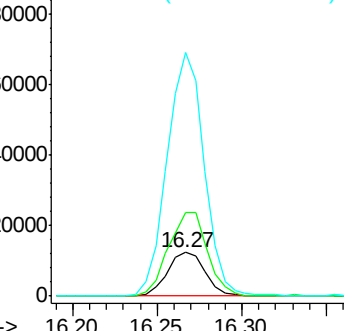
141 555.1 60.8 91.2#

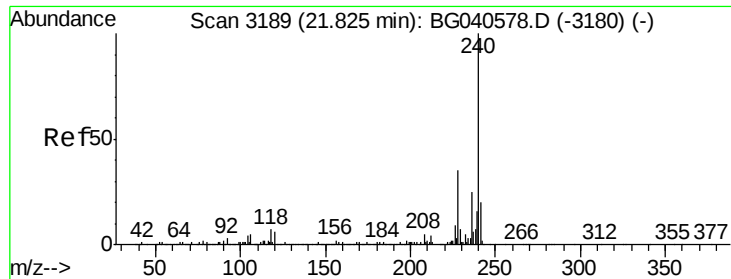


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.01 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampleId :

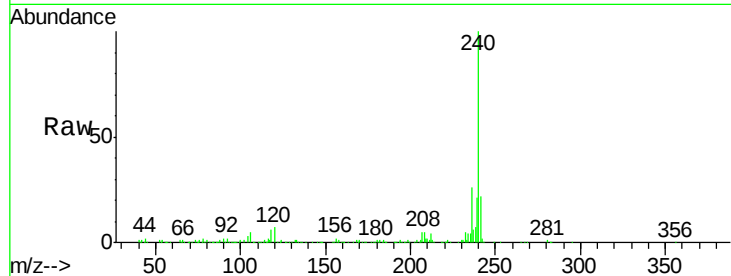
Tot Ion:240 Resp: 292561

Ion Ratio Lower Upper

240 100

120 6.6 5.0 7.6

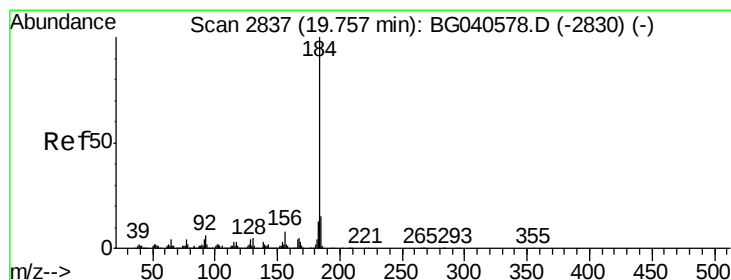
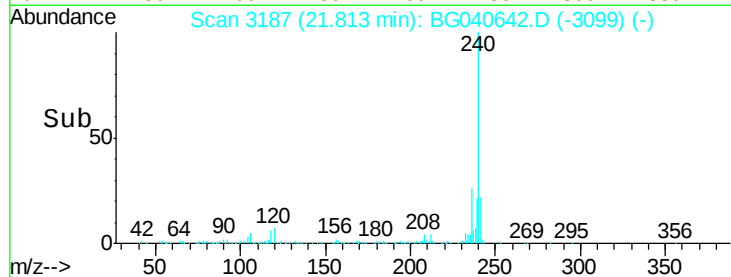
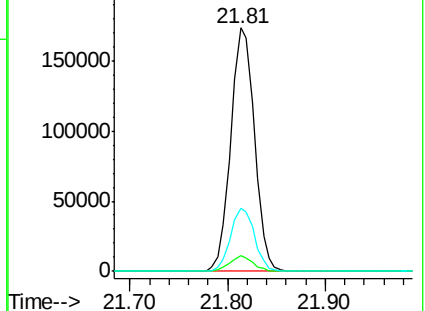
236 26.1 20.3 30.5



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



#77

Benzidine

Concen: 3.794 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

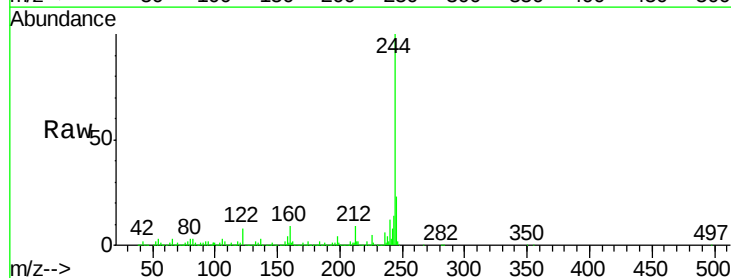
Tgt Ion:184 Resp: 30393

Ion Ratio Lower Upper

184 100

185 15.1 11.8 17.8

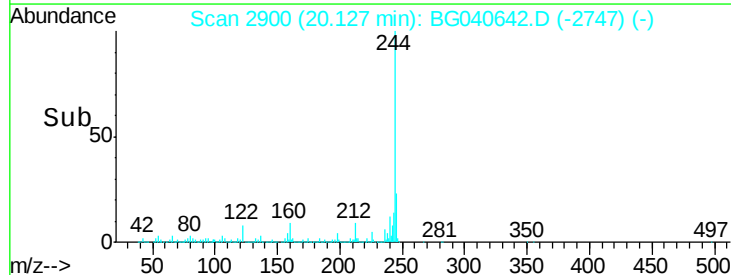
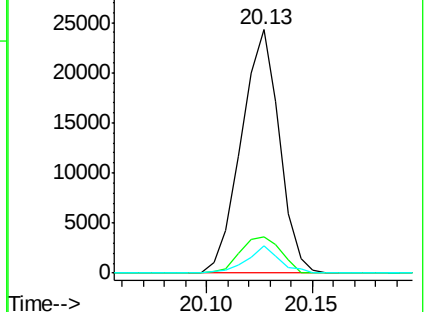
183 11.3 10.2 15.2

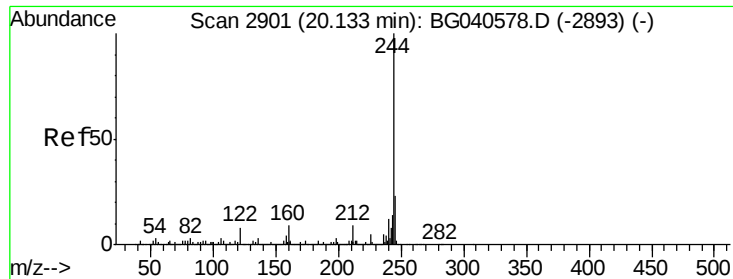


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 120.409 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

Instrument :

BNA_G

ClientSampleId :

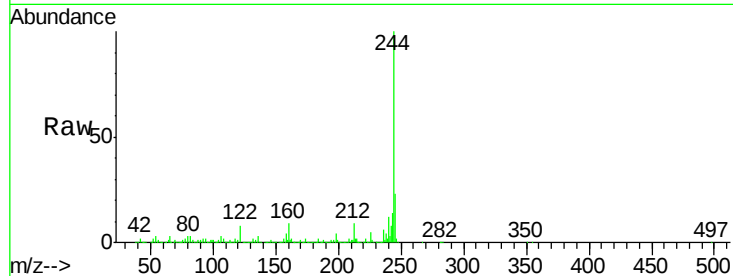
Tot Ion:244 Resp: 1590078

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

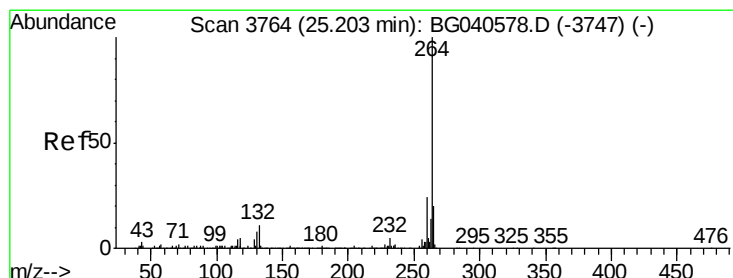
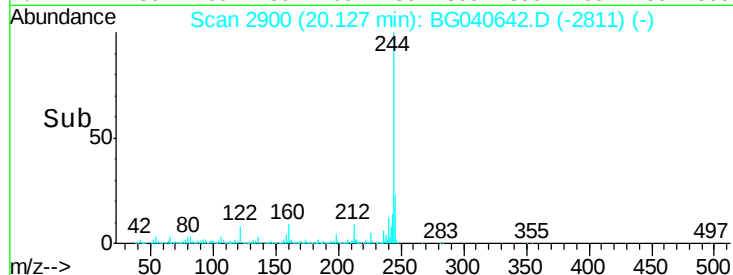
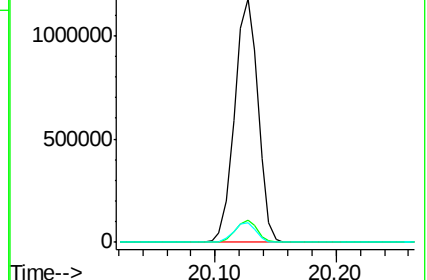
122 8.1 6.6 10.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG040642.D

Acq: 27 Apr 2019 00:24

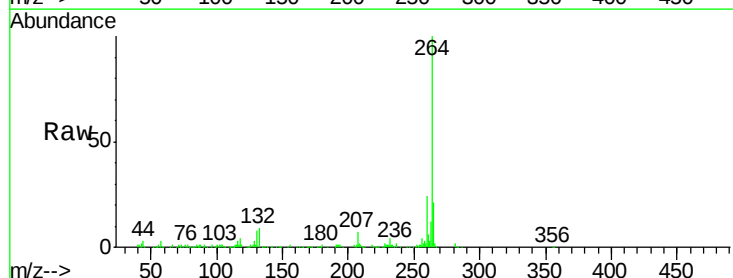
Tgt Ion:264 Resp: 303046

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 20.5 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

