

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042852.D
 Acq On : 16 Sep 2019 17:17
 Operator : HP/JU
 Sample : K4859-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:20:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	101071	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	381293	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	257206	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	580723	20.00	ng	0.00
76) Chrysene-d12	21.75	240	565015	20.00	ng	0.00
87) Perylene-d12	25.03	264	626566	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	383591	65.98	ng	0.00
7) Phenol-d6	7.26	99	355317	42.58	ng	0.00
23) Nitrobenzene-d5	9.27	82	807740	110.29	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	547943	160.13	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1671481	102.87	ng	0.00
79) Terphenyl-d14	20.09	244	2591159	101.64	ng	0.00

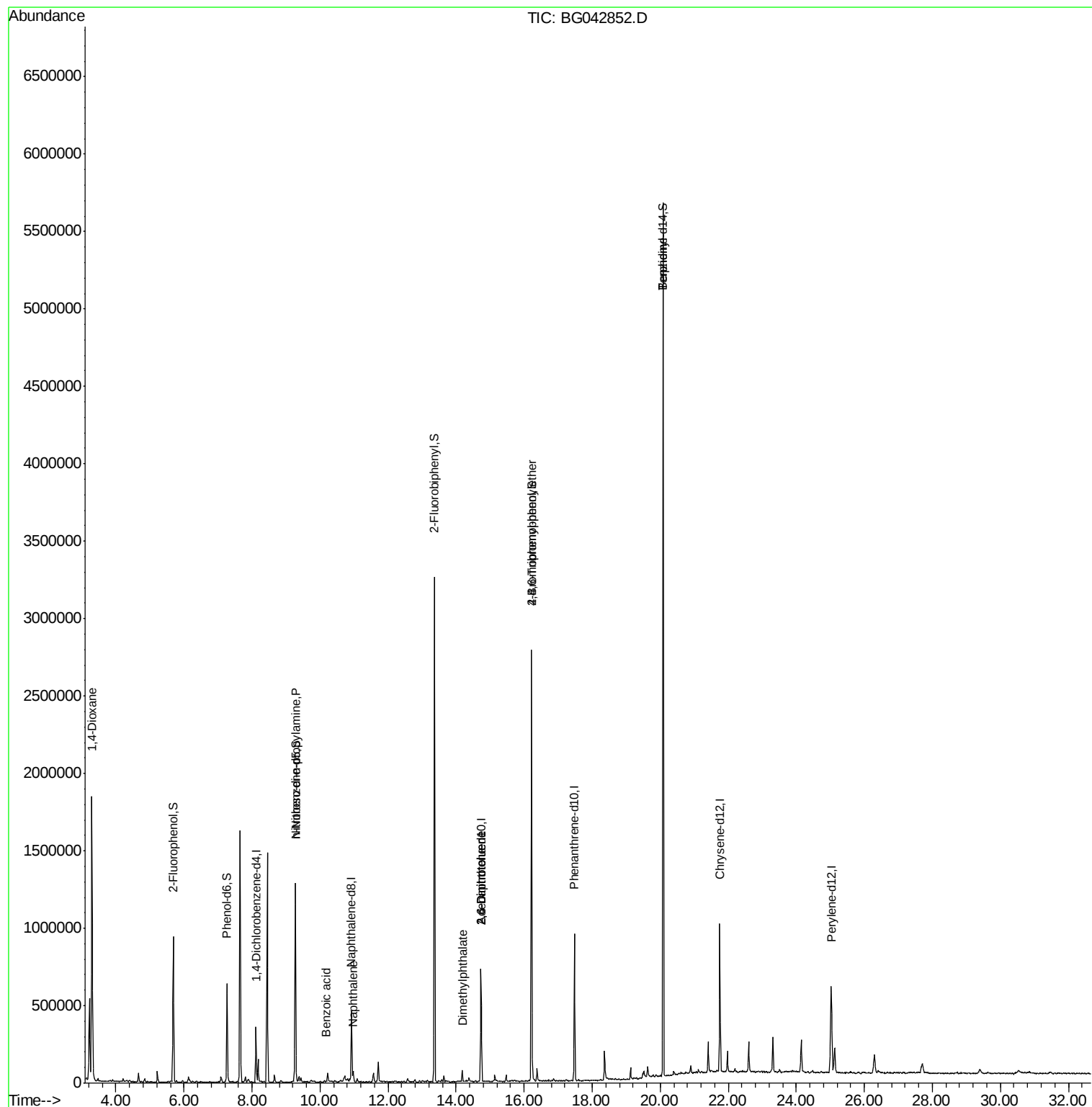
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	17525	6.605	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	114501	18.622	ng	# 66
31) Naphthalene	10.97	128	54236	2.881	ng	# 97
32) Benzoic acid	10.19	122	336	6.032	ng	# 38
50) Dimethylphthalate	14.18	163	49486	2.568	ng	# 96
51) 2,6-Dinitrotoluene	14.73	165	36014	9.109	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	36014	6.834	ng	# 24
67) 4-Bromophenyl-phenylether	16.22	248	37628	5.353	ng	# 1
77) Benzidine	20.09	184	46237	2.929	ng	# 91

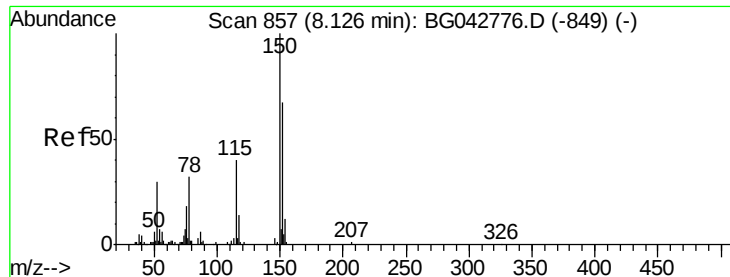
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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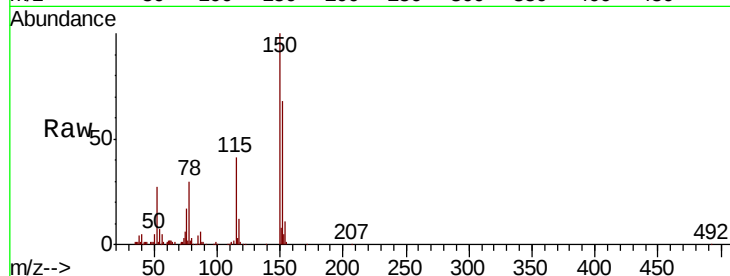


#1

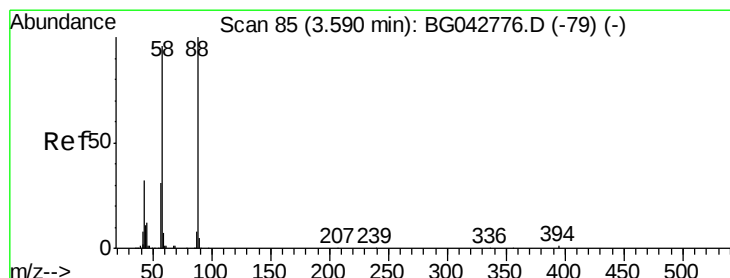
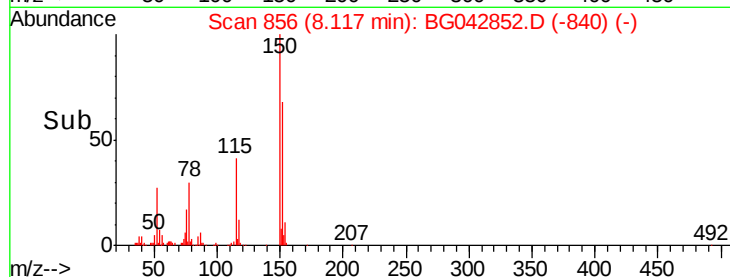
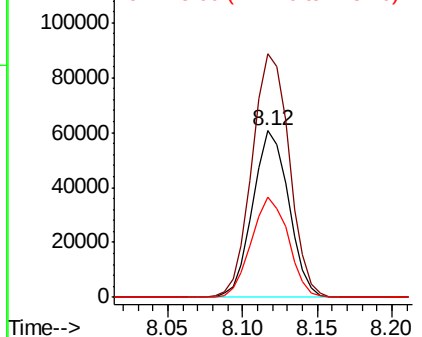
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 101071
Ion Ratio Lower Upper
152 100
150 146.0 118.9 178.3
115 60.2 47.4 71.2



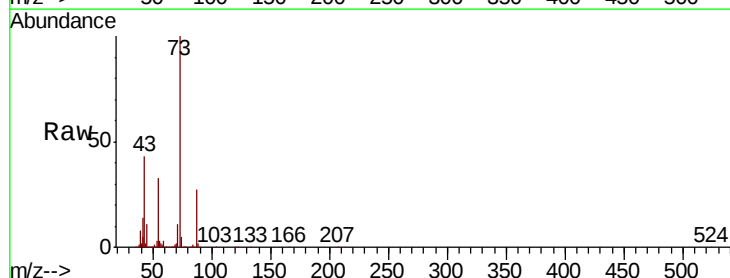
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



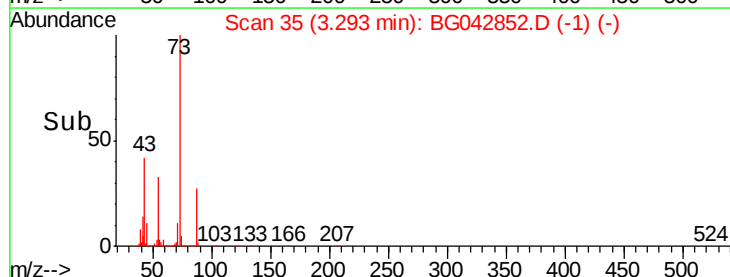
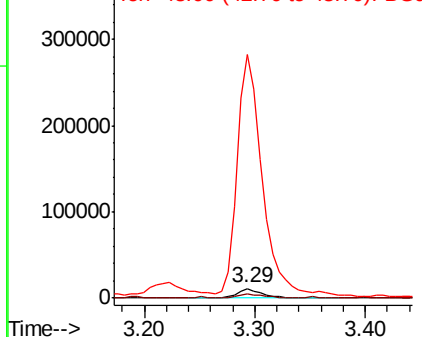
#2

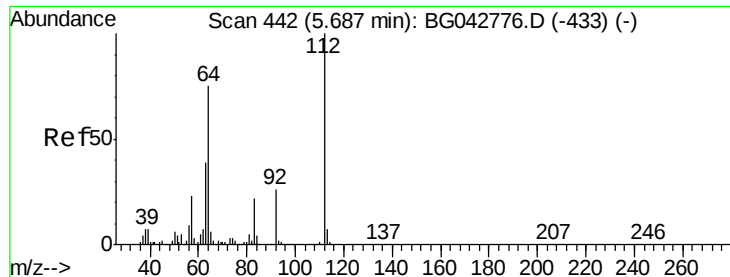
1,4-Dioxane
Concen: 6.605 ng
RT: 3.29 min Scan# 35
Delta R.T. -0.30 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

Tgt Ion: 88 Resp: 17525
Ion Ratio Lower Upper
88 100
58 31.1 79.1 118.7#
43 2543.4 30.4 45.6#



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: 65.983 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

Instrument :

BNA_G

ClientSampleId :

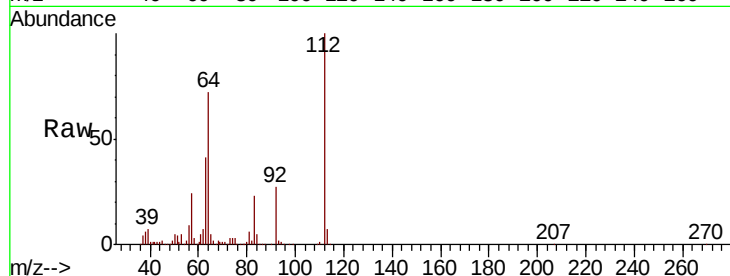
Tot Ion:112 Resp: 383591

Ion Ratio Lower Upper

112 100

64 72.5 60.2 90.2

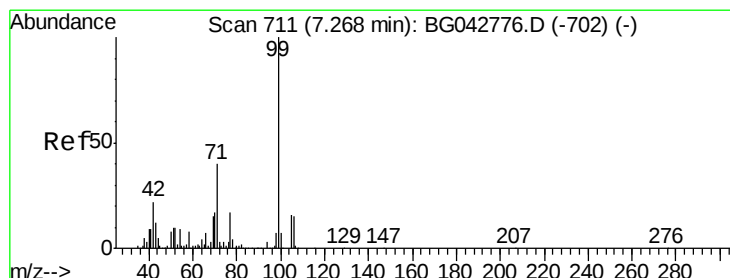
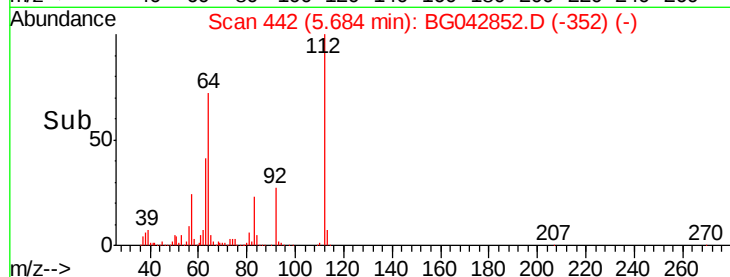
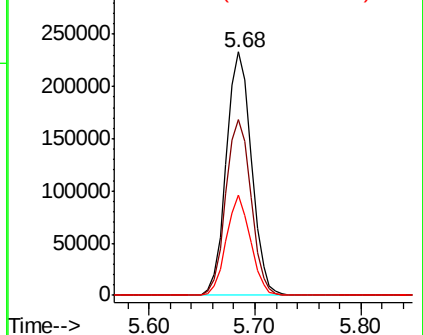
63 41.4 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 42.582 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

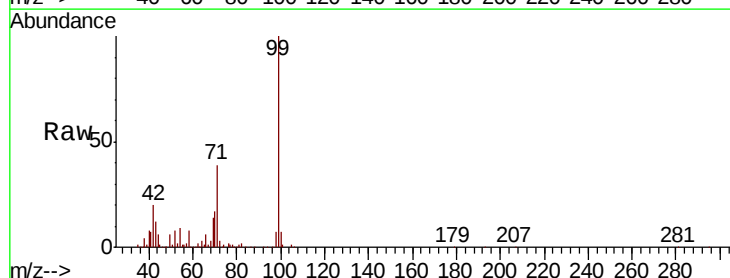
Tgt Ion: 99 Resp: 355317

Ion Ratio Lower Upper

99 100

42 20.0 17.5 26.3

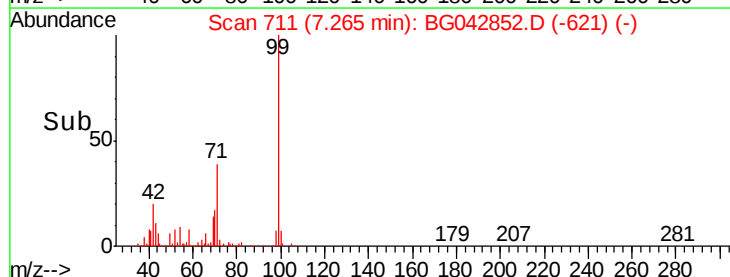
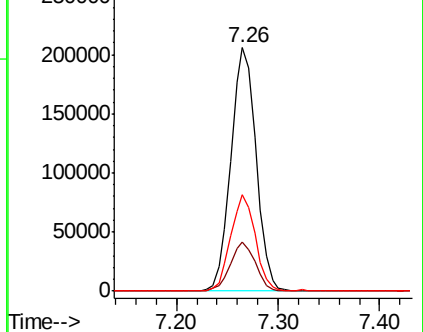
71 39.5 32.0 48.0

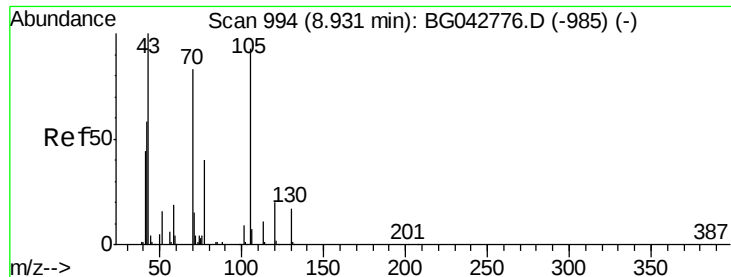


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

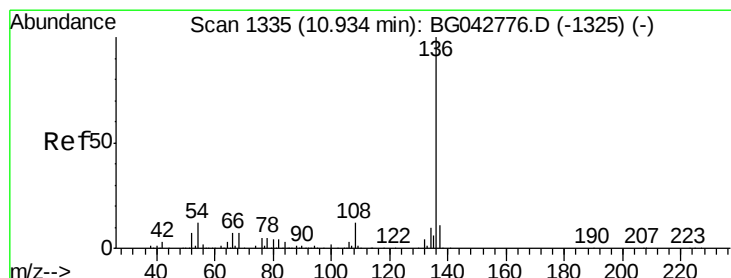
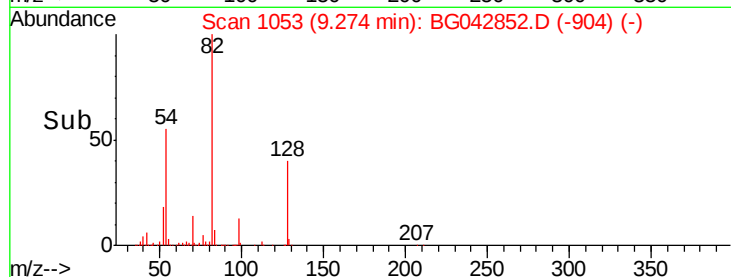
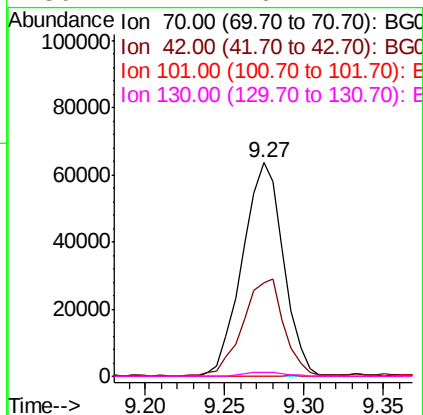
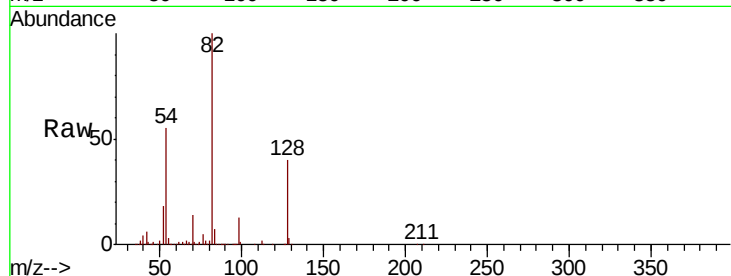




#19
n-Nitroso-di-n-propylamine
Concen: 18.622 ng
RT: 9.27 min Scan# 1053
Delta R.T. 0.34 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

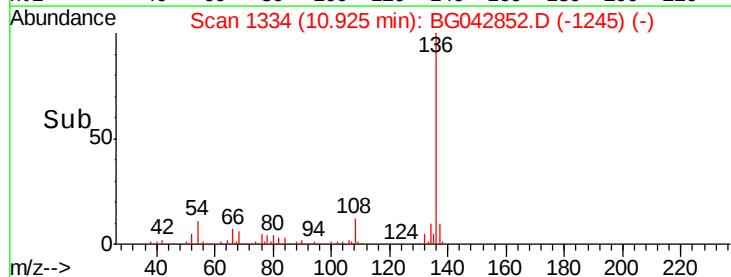
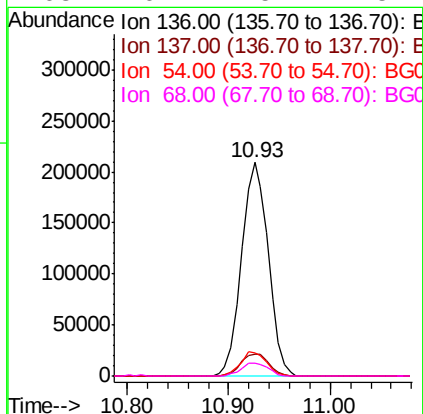
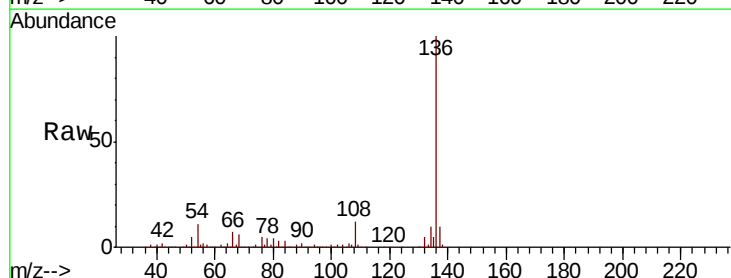
Instrument :
BNA_G
ClientSampleId :

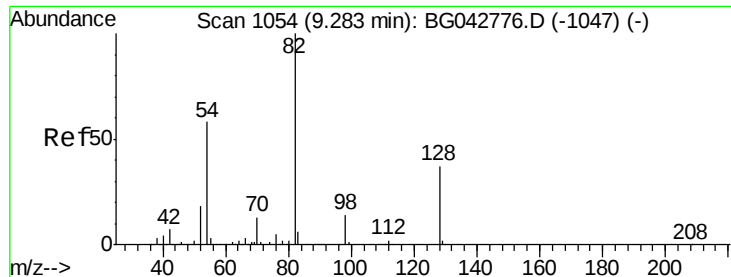
Tot Ion:	70	Resp:	114501
Ion	Ratio	Lower	Upper
70	100		
42	43.9	57.0	85.6#
101	0.0	8.4	12.6#
130	1.7	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

Tgt Ion:	136	Resp:	381293
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.0	13.6
54	10.6	9.4	14.0
68	6.1	5.4	8.2

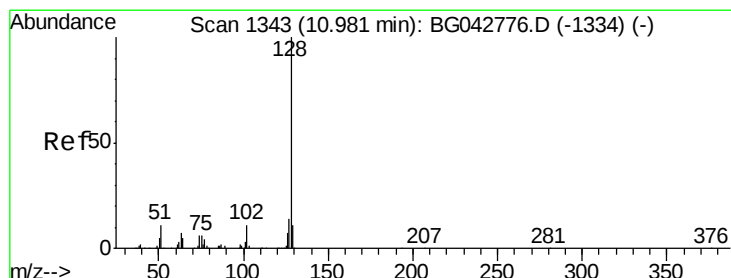
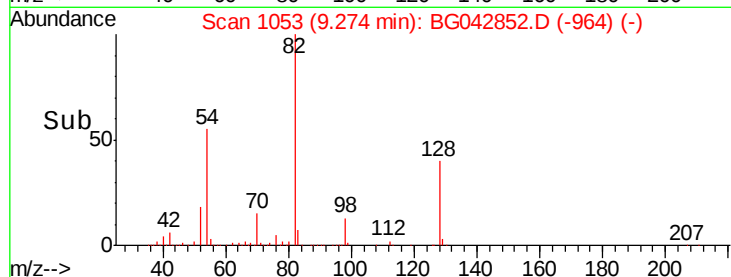
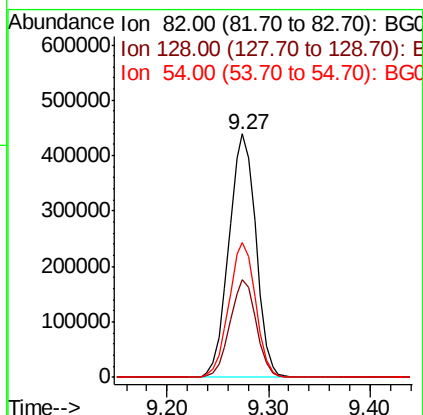
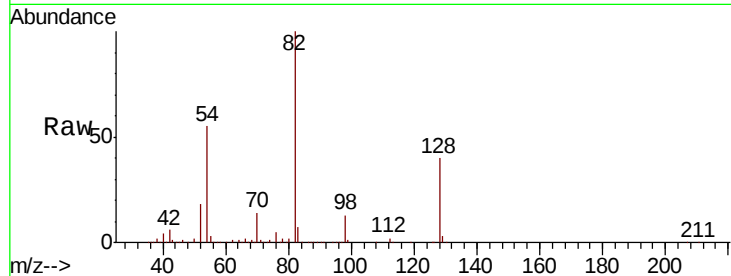




#23
 Nitrobenzene-d5
 Concen: 110.290 ng
 RT: 9.27 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

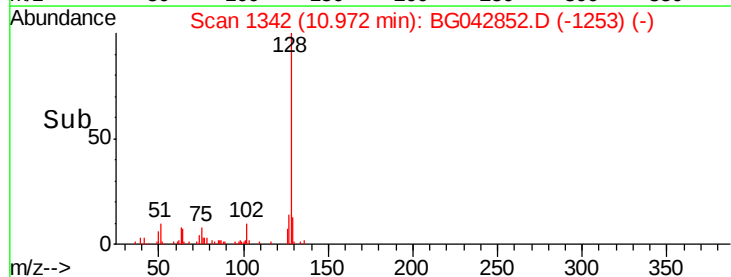
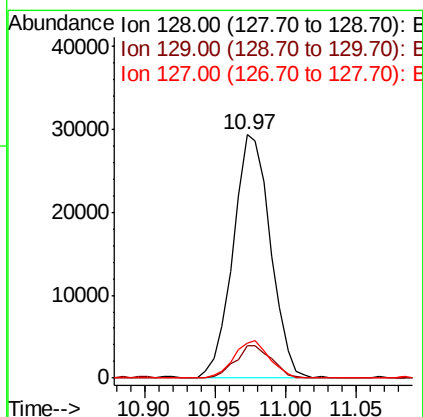
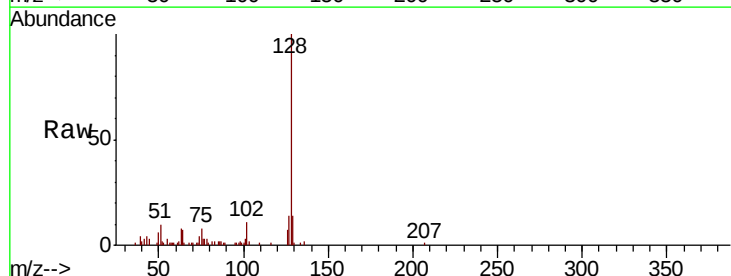
Instrument :
 BNA_G
 ClientSampled :

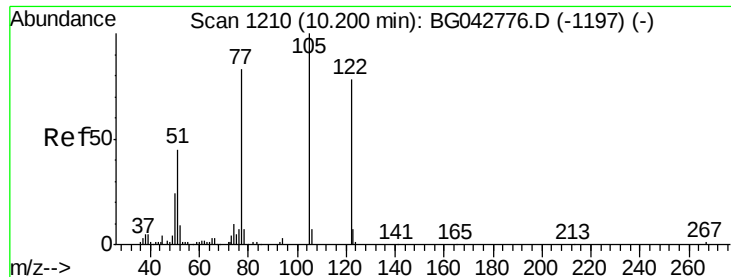
Tot Ion	82	Resp	807740
Ion Ratio	Lower	Upper	
82	100		
128	40.0	29.8	44.8
54	55.3	46.1	69.1



#31
 Naphthalene
 Concen: 2.881 ng
 RT: 10.97 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Tgt Ion	128	Resp	54236
Ion Ratio	Lower	Upper	
128	100		
129	13.6	9.0	13.6#
127	14.3	11.4	17.2

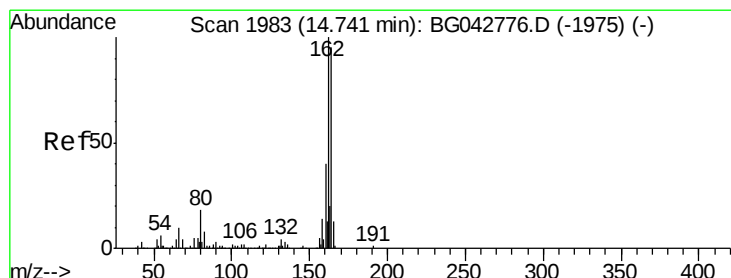
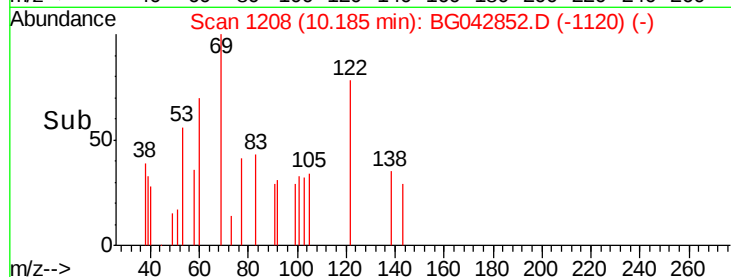
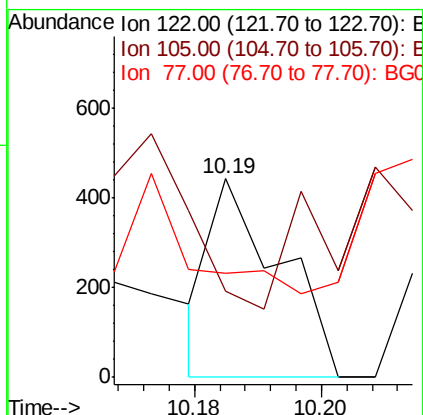
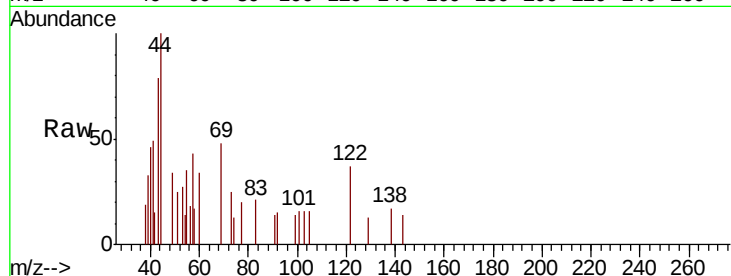




#32
Benzoic acid
Concen: 6.032 ng
RT: 10.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

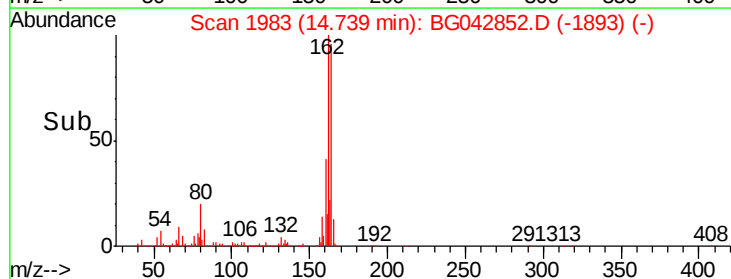
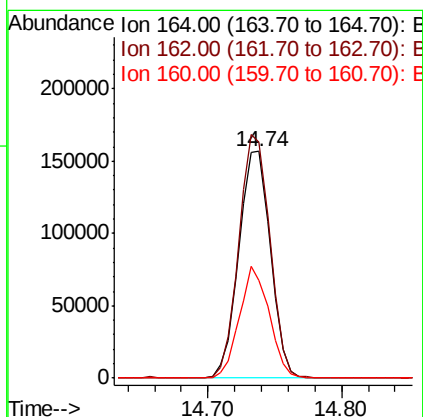
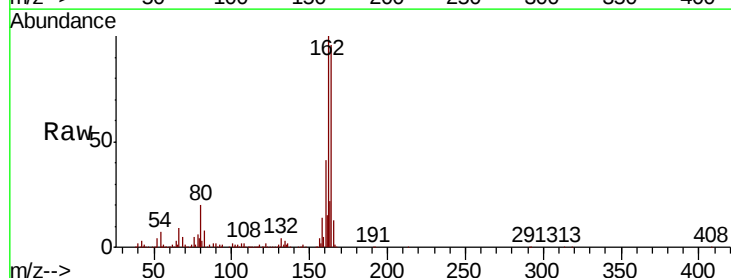
Instrument :
BNA_G
ClientSampleId :

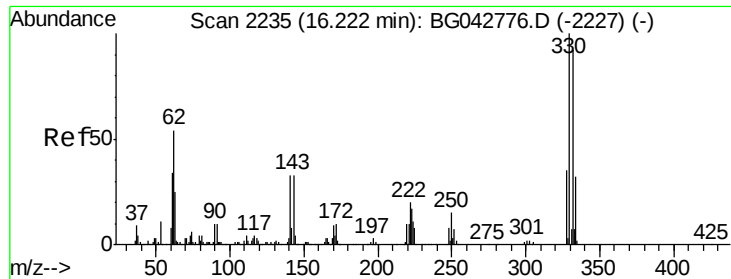
Tot Ion	Ratio	Lower	Upper
122	100		
105	43.4	104.0	144.0#
77	52.7	84.2	124.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	84.6	126.8
160	42.9	34.2	51.2

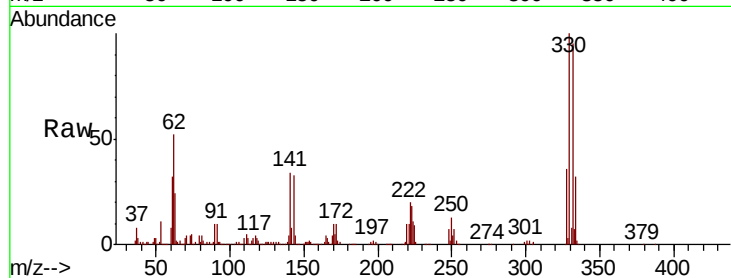




#42
 2,4,6-Tribromophenol
 Concen: 160.127 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.7	115.1
141	34.4	27.0	40.6

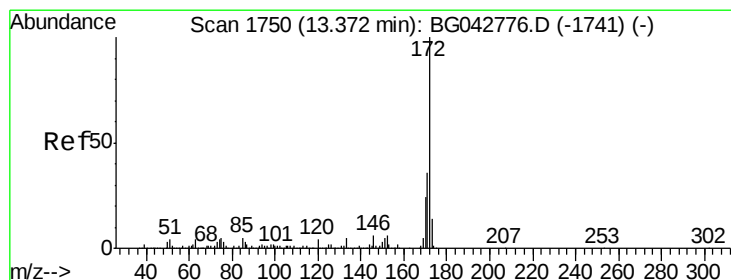
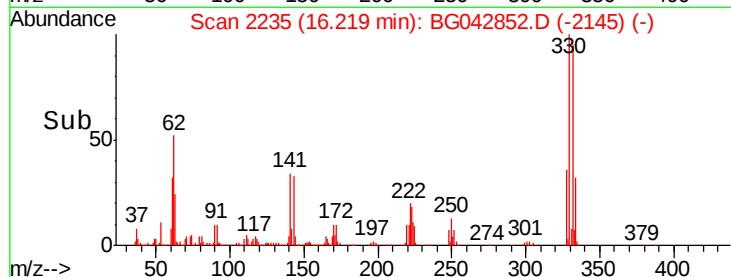
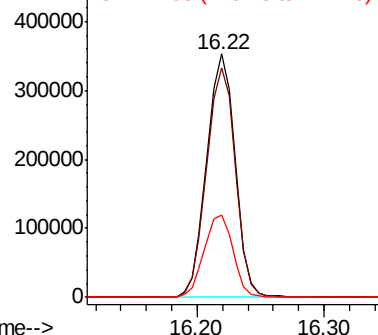


Abundance

Ion 329.80 (329.50 to 330.50): E

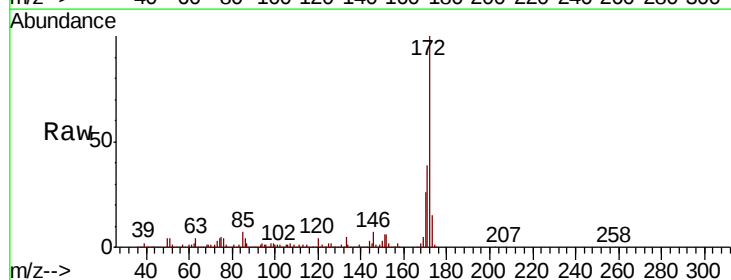
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.869 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	28.9	43.3
170	26.1	19.1	28.7

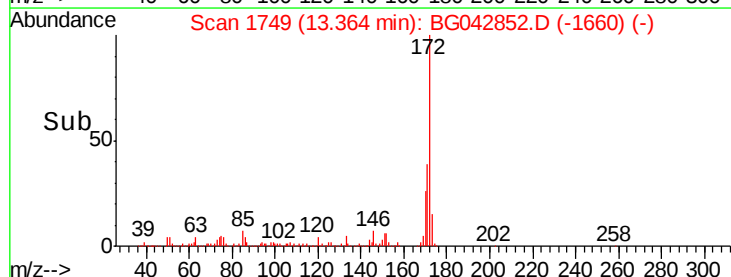
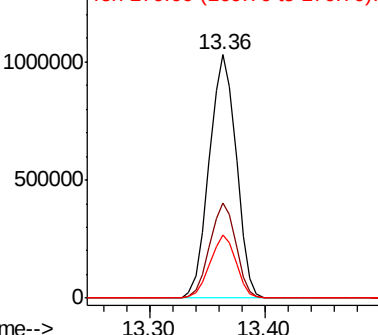


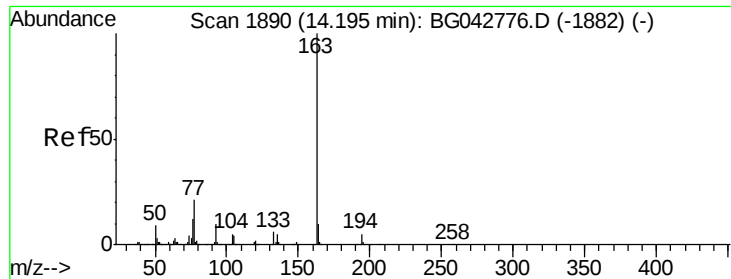
Abundance

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





#50

Dimethylphthalate

Concen: 2.568 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

Instrument :

BNA_G

ClientSampleId :

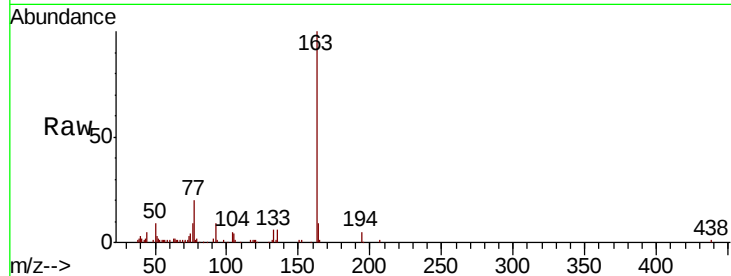
Tot Ion:163 Resp: 49486

Ion Ratio Lower Upper

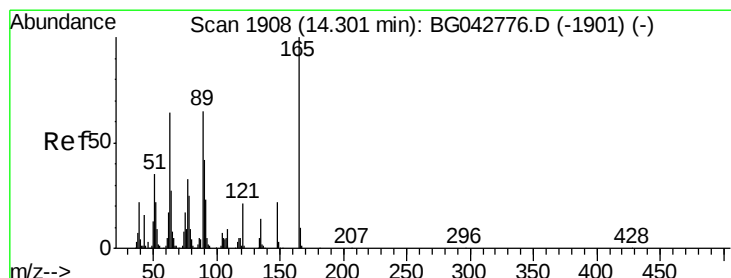
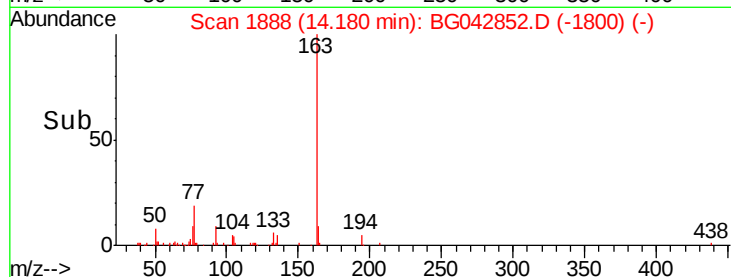
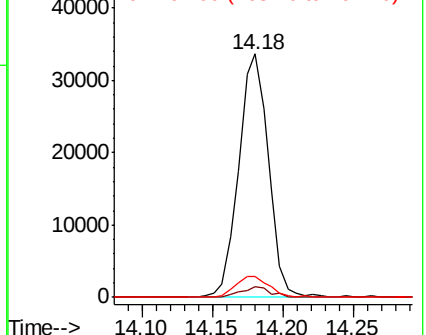
163 100

194 4.6 4.2 6.4

164 8.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.109 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

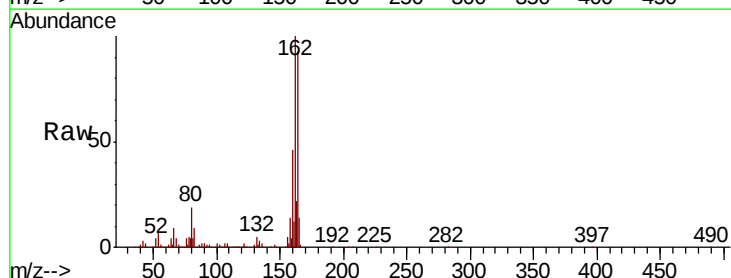
Tgt Ion:165 Resp: 36014

Ion Ratio Lower Upper

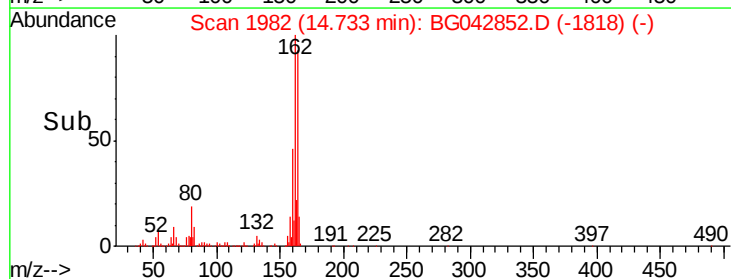
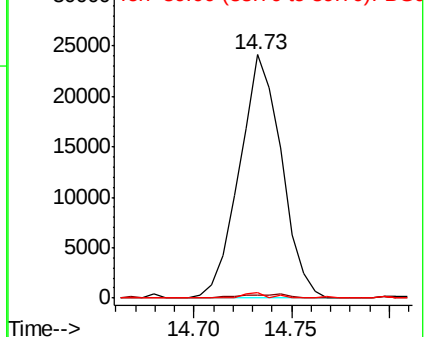
165 100

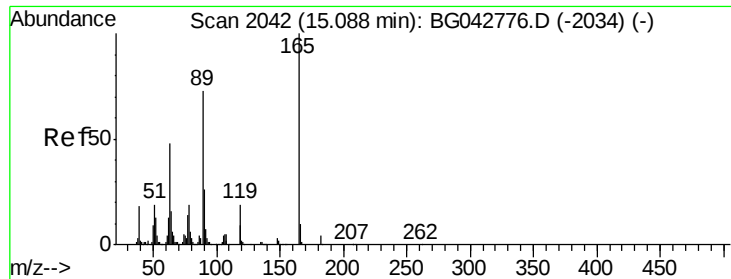
63 1.4 52.1 78.1#

89 2.1 51.7 77.5#



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

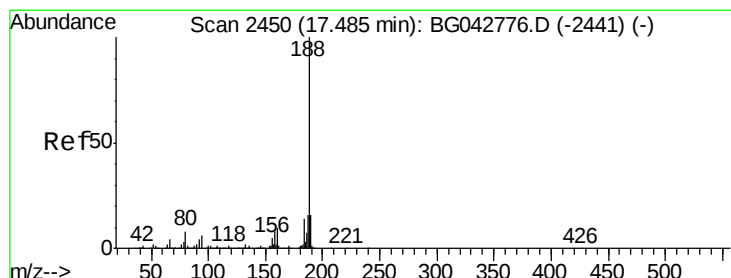
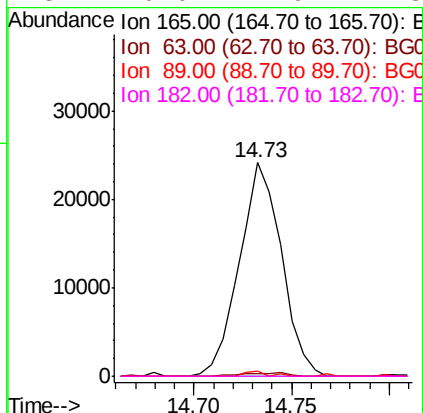
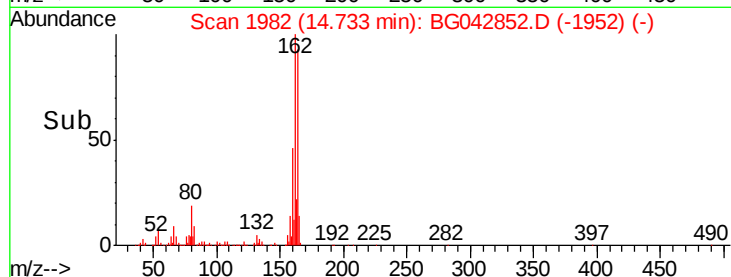
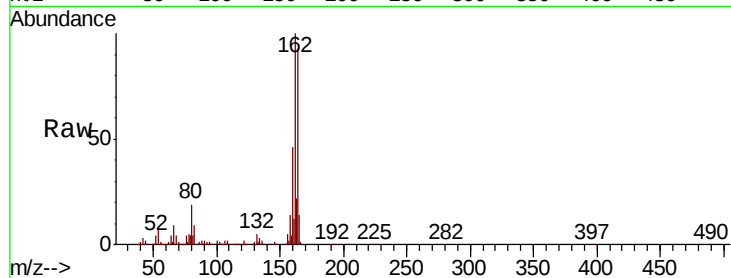




#57
2,4-Dinitrotoluene
Concen: 6.834 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.36 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

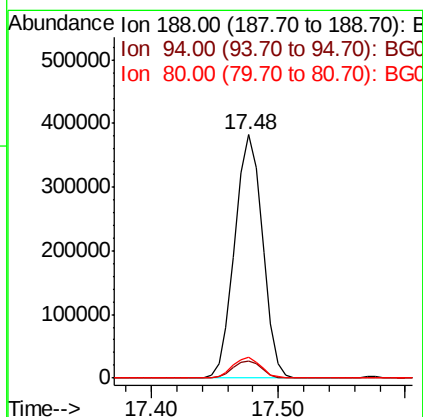
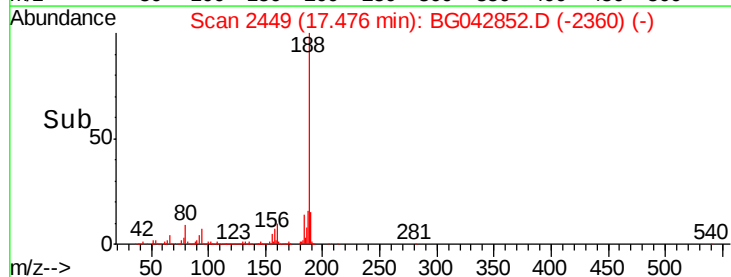
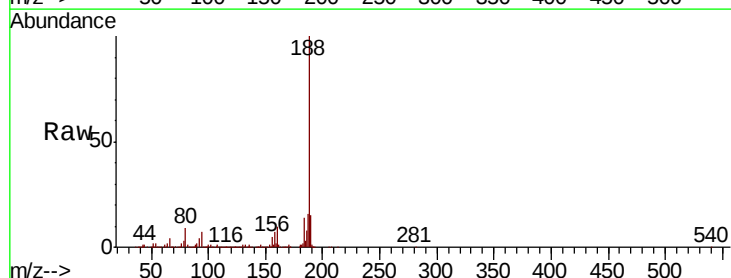
Instrument :
BNA_G
ClientSampleId :

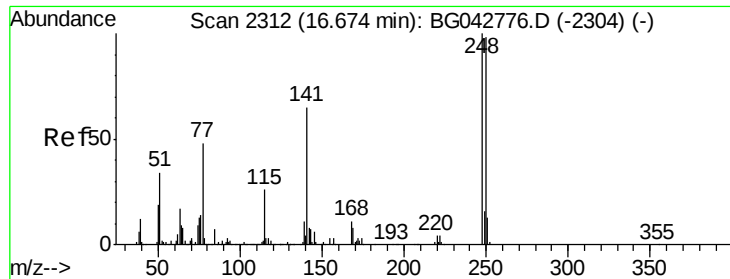
Tot Ion:165 Resp: 36014
Ion Ratio Lower Upper
165 100
63 1.4 38.3 57.5#
89 2.1 58.4 87.6#
182 0.0 2.9 4.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG042852.D
Acq: 16 Sep 2019 17:17

Tgt Ion:188 Resp: 580723
Ion Ratio Lower Upper
188 100
94 7.1 4.8 7.2
80 8.8 6.6 9.8

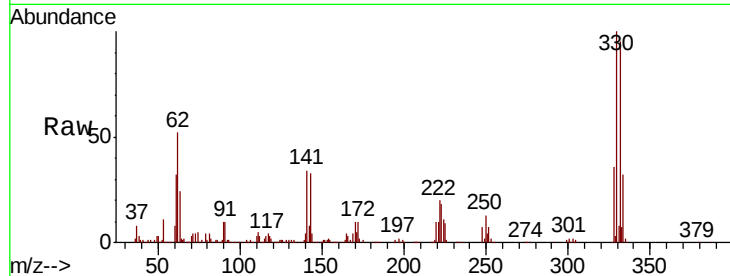




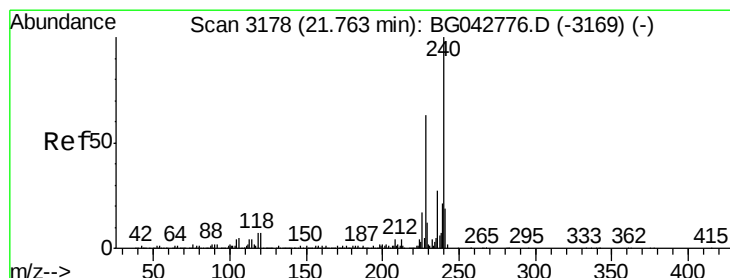
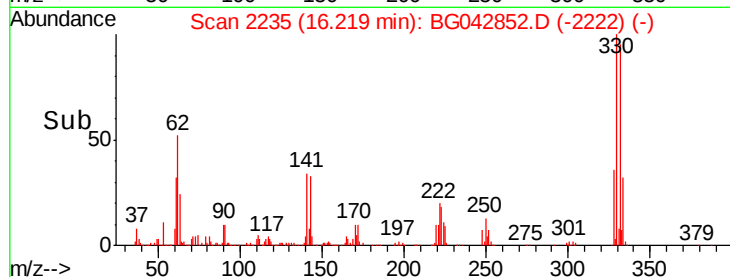
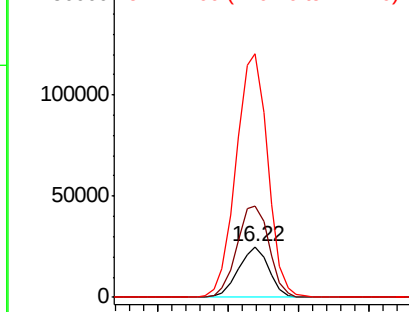
#67
 4-Bromophenyl-phenylether
 Concen: 5.353 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.46 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 37628
 Ion Ratio Lower Upper
 248 100
 250 180.2 78.0 117.0#
 141 478.7 51.8 77.6#

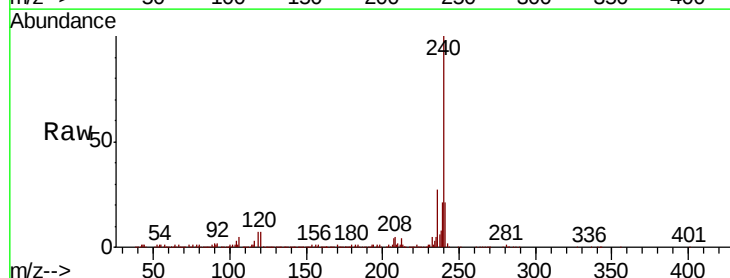


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

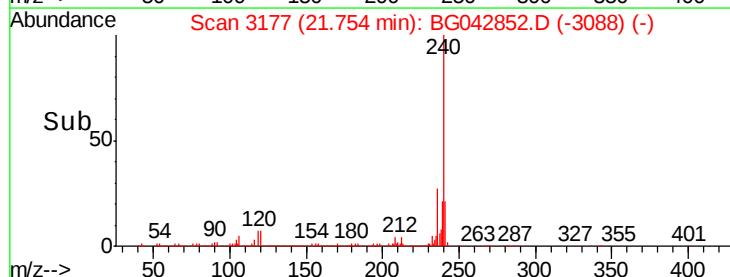
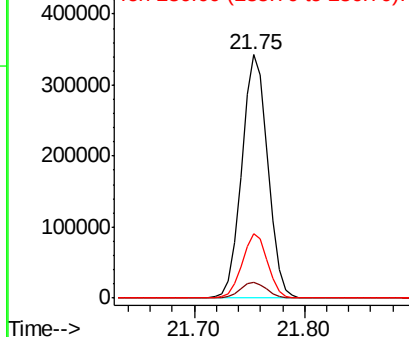


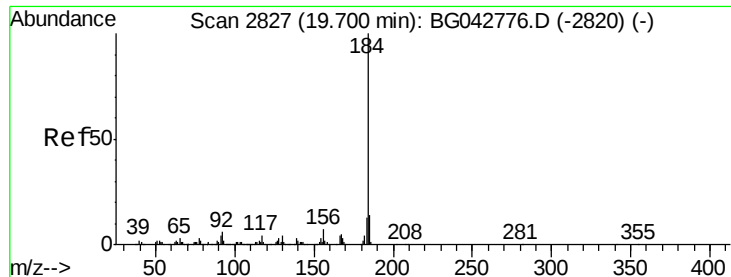
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Tgt Ion:240 Resp: 565015
 Ion Ratio Lower Upper
 240 100
 120 6.6 5.4 8.2
 236 26.7 21.7 32.5



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: 2.929 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.38 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

Instrument :

BNA_G

ClientSampleId :

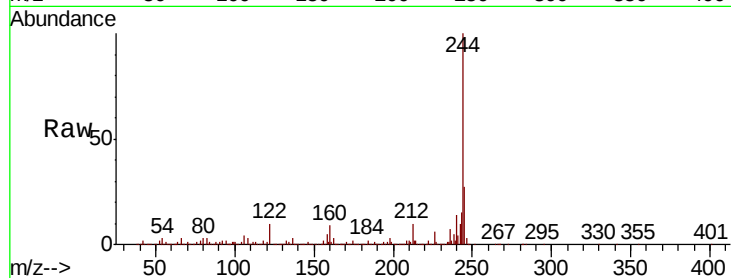
Tot Ion:184 Resp: 46237

Ion Ratio Lower Upper

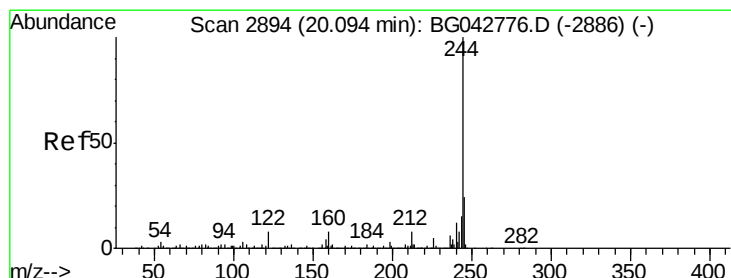
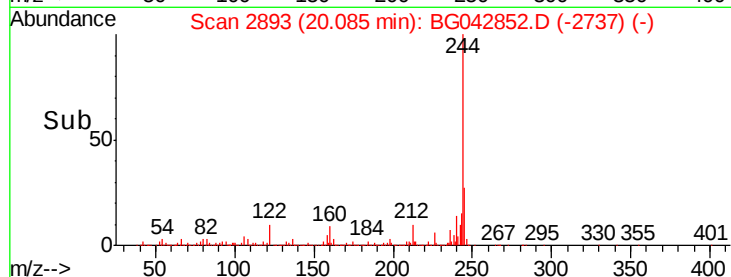
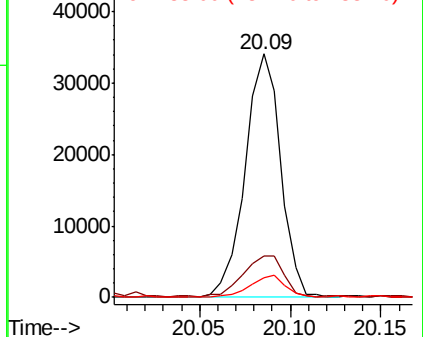
184 100

185 17.1 11.6 17.4

183 8.0 10.4 15.6#



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: 101.639 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042852.D

Acq: 16 Sep 2019 17:17

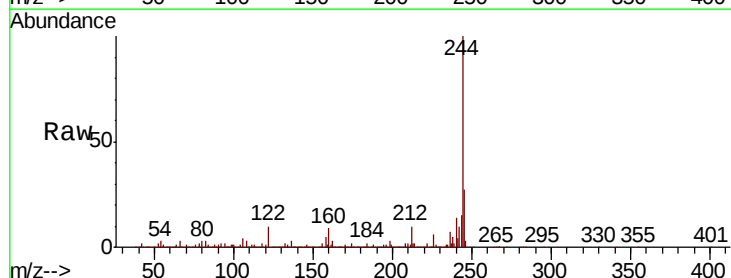
Tgt Ion:244 Resp: 2591159

Ion Ratio Lower Upper

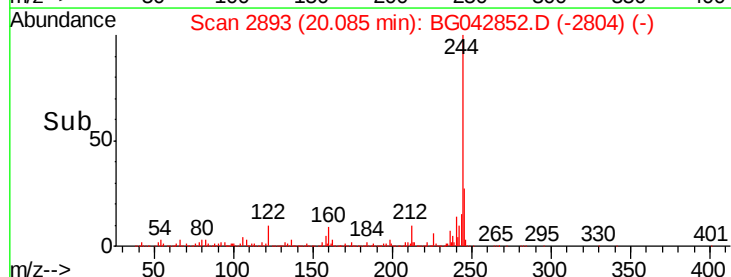
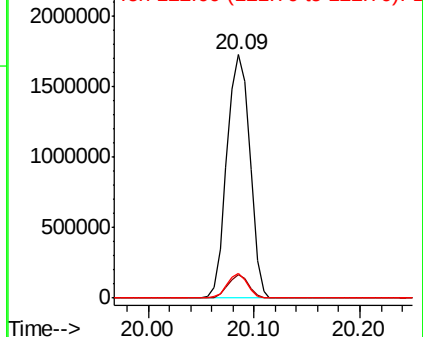
244 100

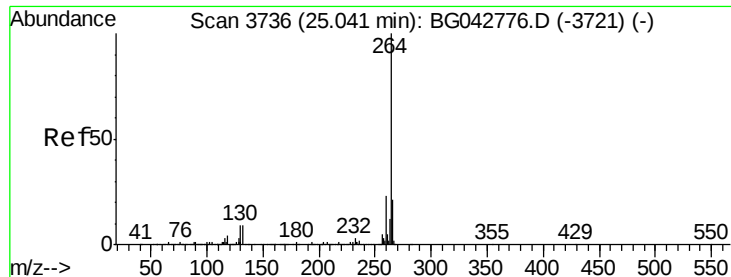
212 9.7 6.6 10.0

122 10.1 6.2 9.4#



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





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3734
 Delta R.T. -0.01 min
 Lab File: BG042852.D
 Acq: 16 Sep 2019 17:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	23.3	16.9	25.3

