

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043398.D
 Acq On : 30 Oct 2019 7:49
 Operator : JU
 Sample : K5576-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 09:14:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44317	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	166096	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	119378	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	268918	20.00	ng	0.00
76) Chrysene-d12	21.66	240	306702	20.00	ng	-0.01
87) Perylene-d12	24.85	264	351637	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	285236	117.94	ng	0.00
7) Phenol-d6	7.21	99	385304	110.73	ng	0.00
23) Nitrobenzene-d5	9.18	82	234410	72.76	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	218584	96.22	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	631058	73.05	ng	0.00
79) Terphenyl-d14	20.00	244	1274082	77.93	ng	-0.01

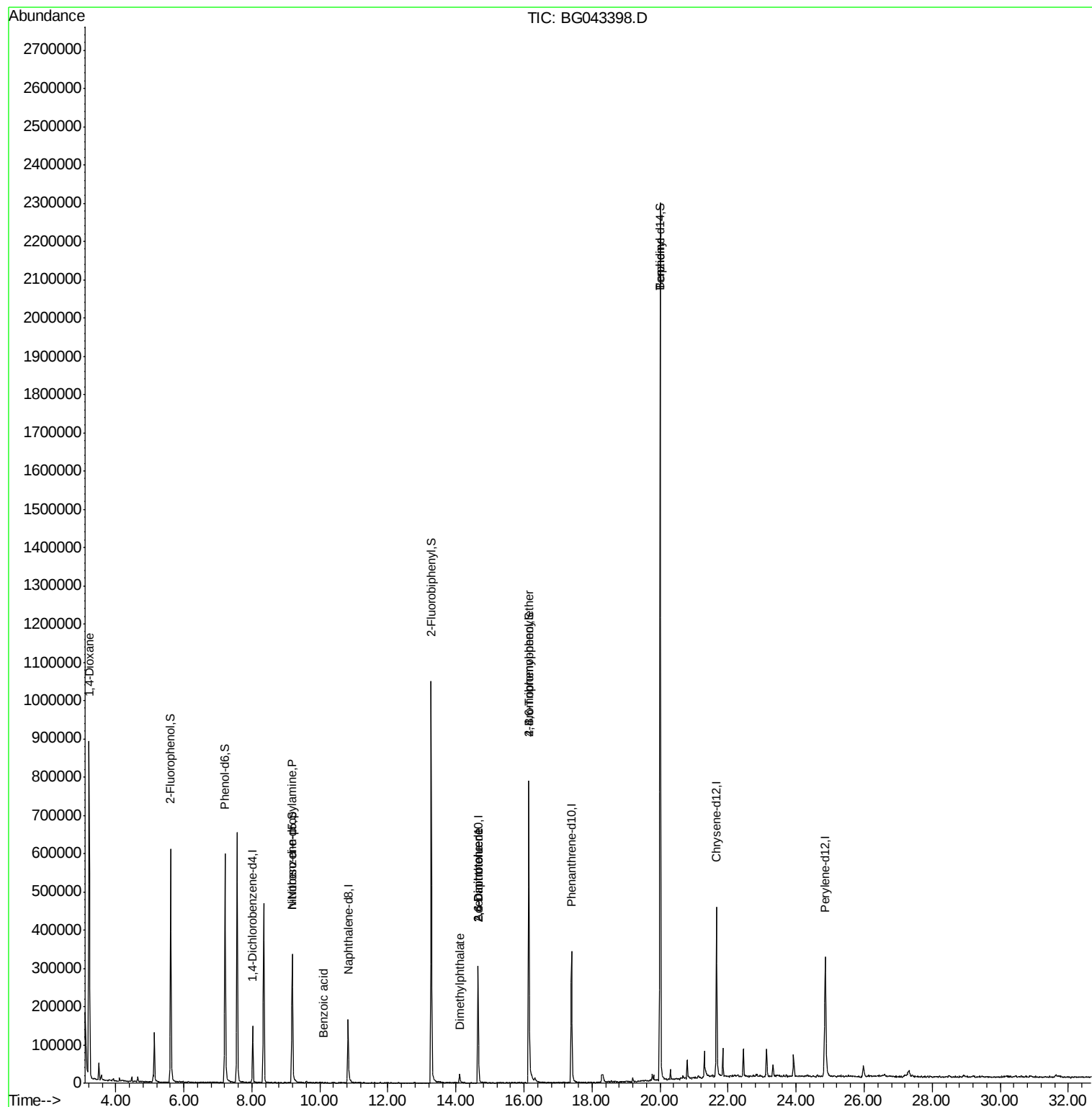
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	10708	11.362	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	32026	14.244	ng	# 70
32) Benzoic acid	10.10	122	76	9.087	ng	# 1
50) Dimethylphthalate	14.11	163	25905	2.802	ng	# 98
51) 2,6-Dinitrotoluene	14.65	165	16165	8.047	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	16165	5.631	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	13546	3.743	ng	# 1
77) Benzidine	20.00	184	17846	2.891	ng	# 77

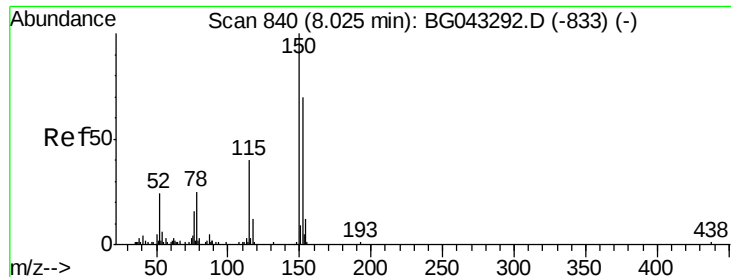
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Instrument :

BNA_G

ClientSampleId :

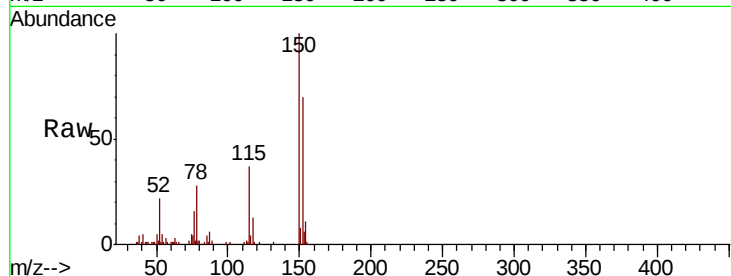
Tot Ion:152 Resp: 44317

Ion Ratio Lower Upper

152 100

150 143.7 113.6 170.4

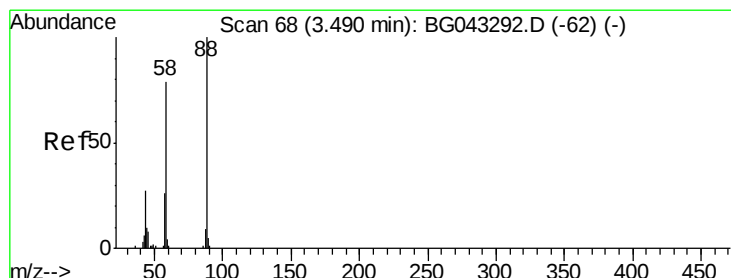
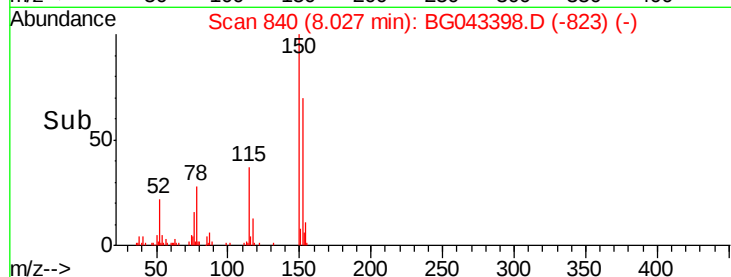
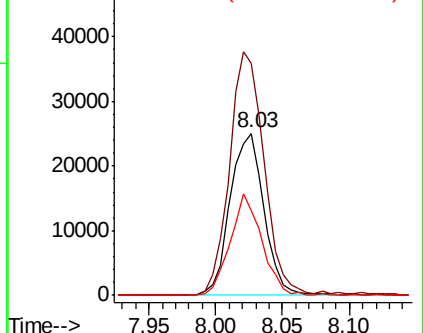
115 52.6 45.9 68.9



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: 11.362 ng

RT: 3.21 min Scan# 20

Delta R.T. -0.28 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

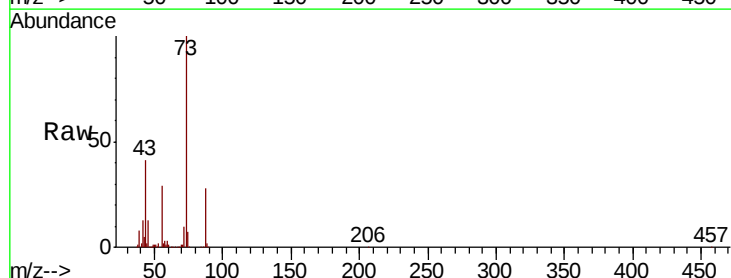
Tgt Ion: 88 Resp: 10708

Ion Ratio Lower Upper

88 100

58 40.3 60.2 90.2#

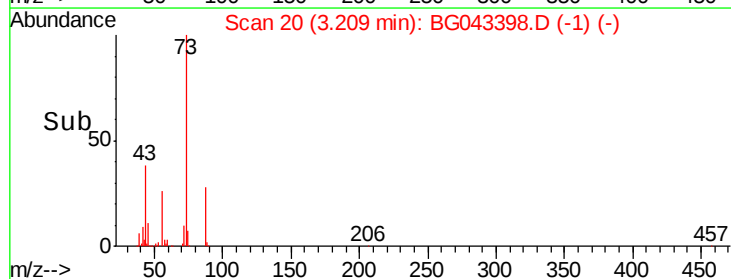
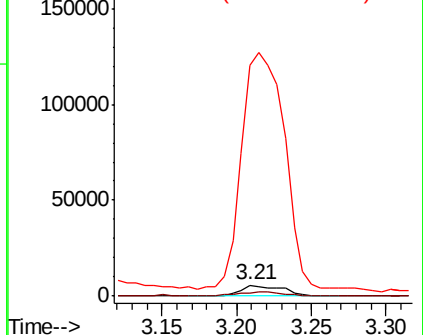
43 2371.4 22.7 34.1#

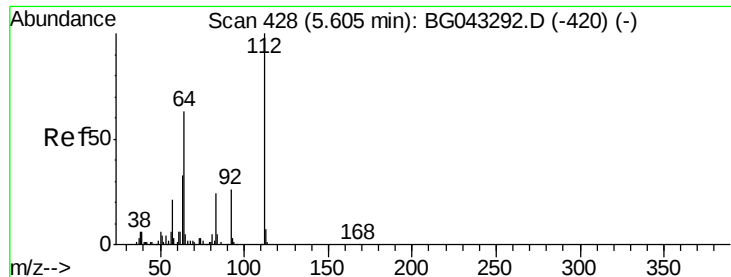


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 117.941 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Instrument :

BNA_G

ClientSampleId :

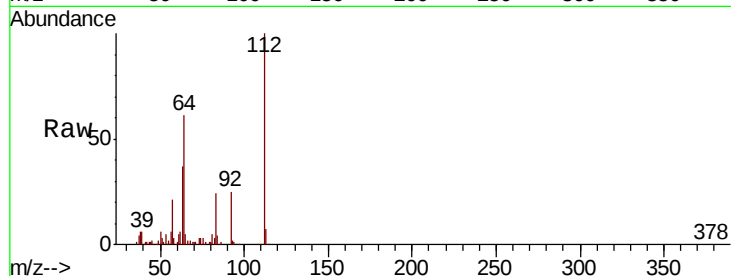
Tot Ion:112 Resp: 285236

Ion Ratio Lower Upper

112 100

64 61.3 50.2 75.2

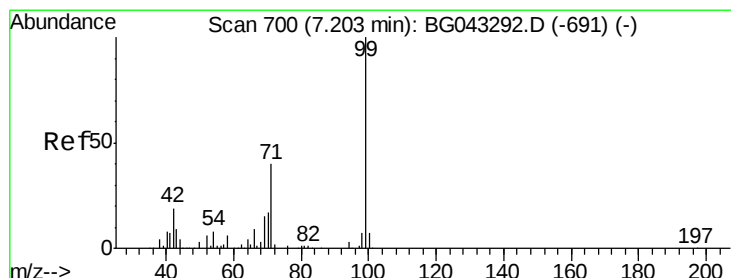
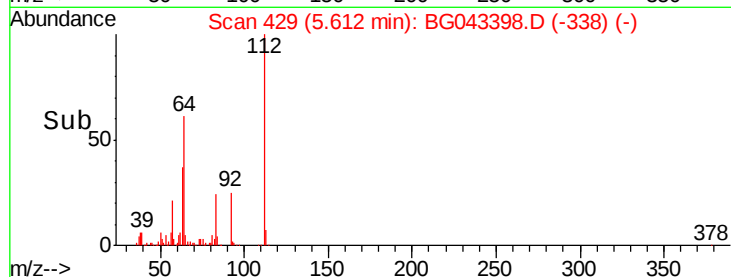
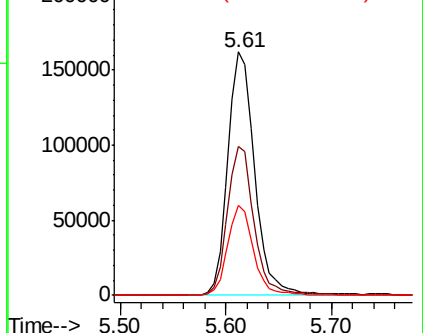
63 36.8 26.7 40.1



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: 110.732 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

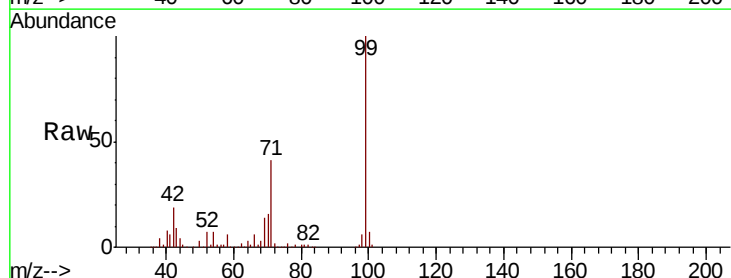
Tgt Ion: 99 Resp: 385304

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

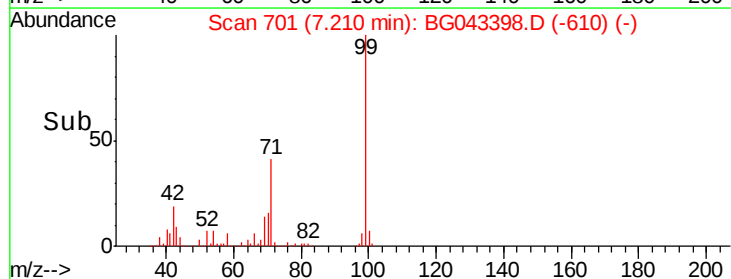
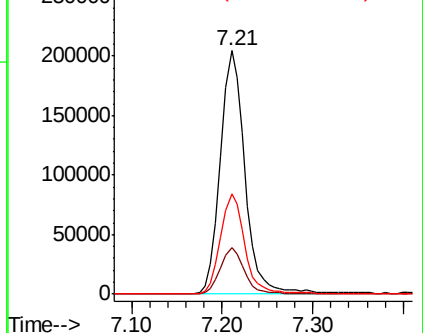
71 41.3 32.2 48.2

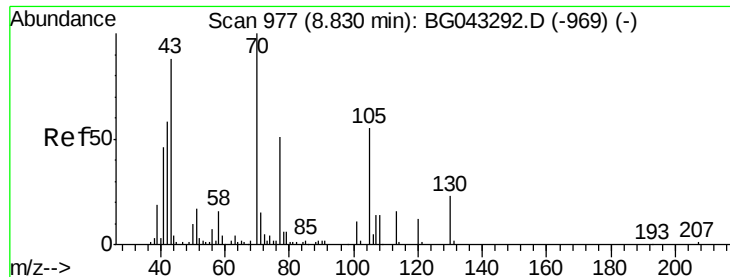


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

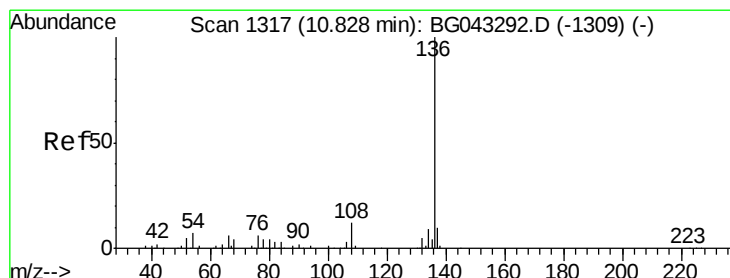
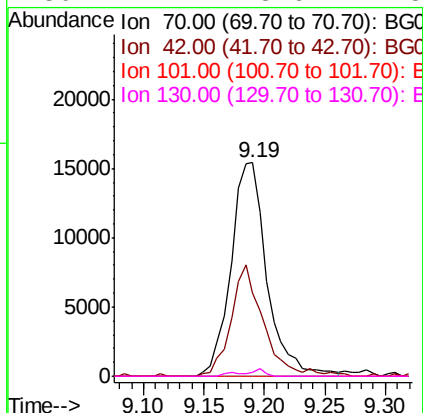
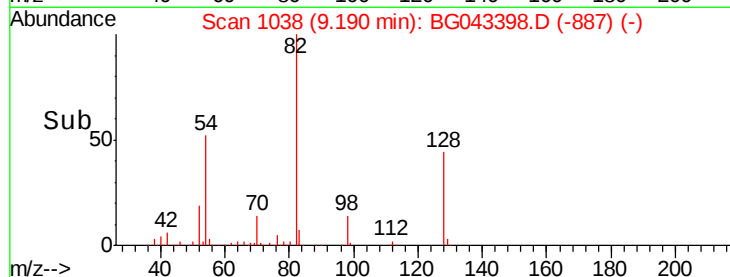
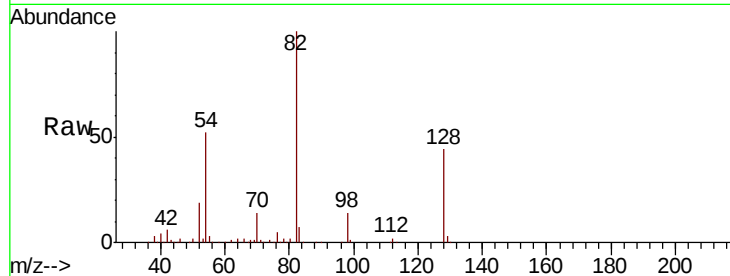




#19
n-Nitroso-di-n-propylamine
Concen: 14.244 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043398.D
Acq: 30 Oct 2019 7:49

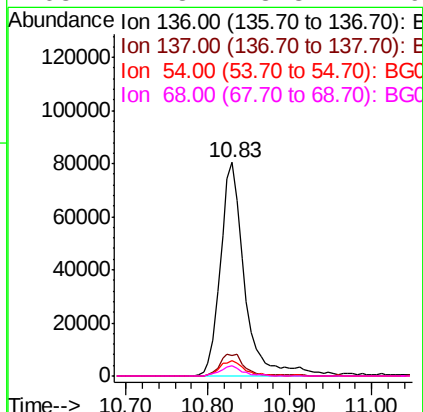
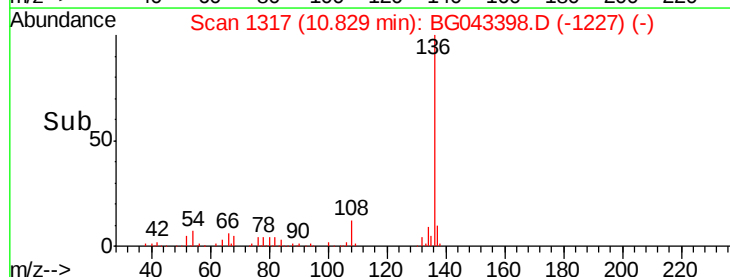
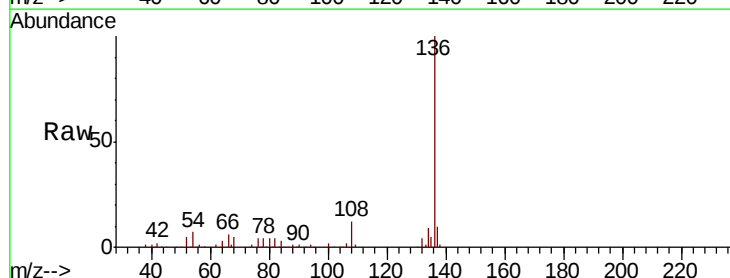
Instrument :
BNA_G
ClientSampleId :

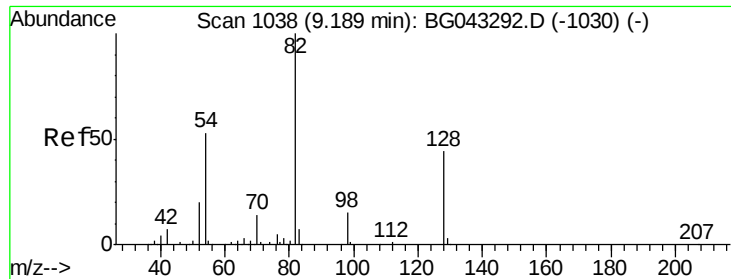
Tot Ion: 70 Resp: 32026
Ion Ratio Lower Upper
70 100
42 39.0 46.2 69.2#
101 0.0 8.6 13.0#
130 1.7 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043398.D
Acq: 30 Oct 2019 7:49

Tgt Ion: 136 Resp: 166096
Ion Ratio Lower Upper
136 100
137 9.8 8.2 12.2
54 7.0 5.4 8.2
68 4.8 3.3 4.9

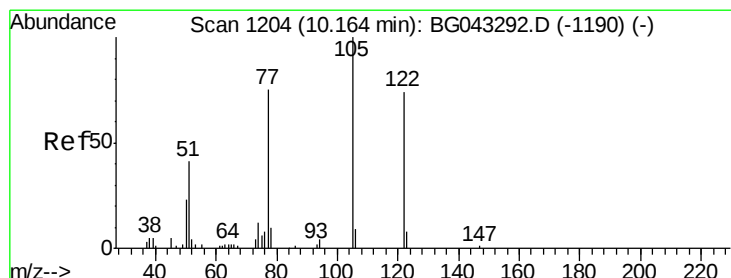
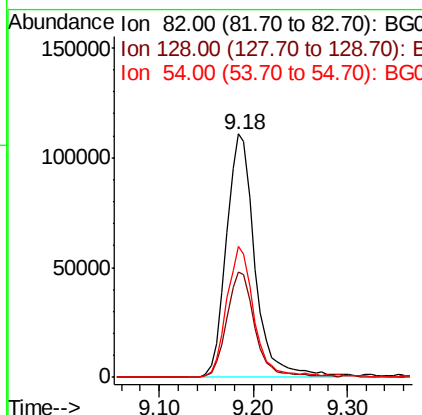
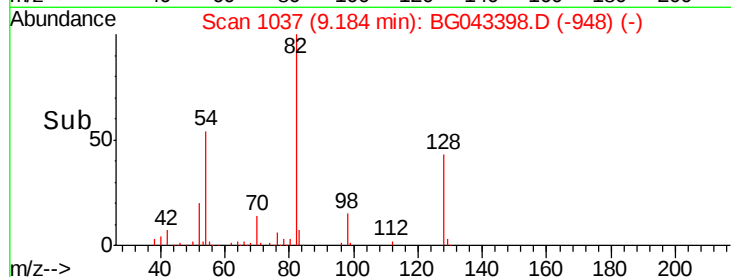
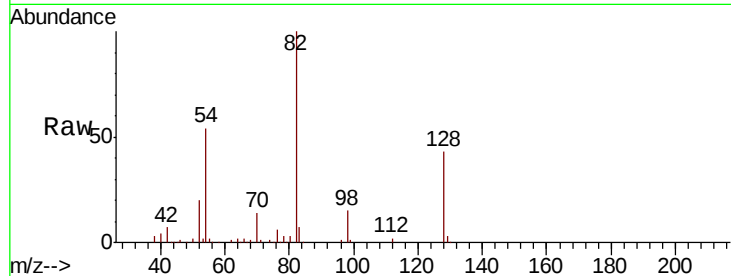




#23
 Nitrobenzene-d5
 Concen: 72.758 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG043398.D
 Acq: 30 Oct 2019 7:49

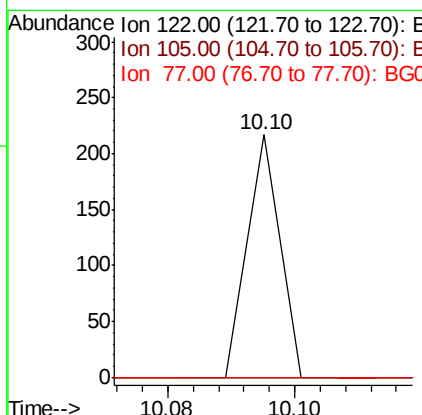
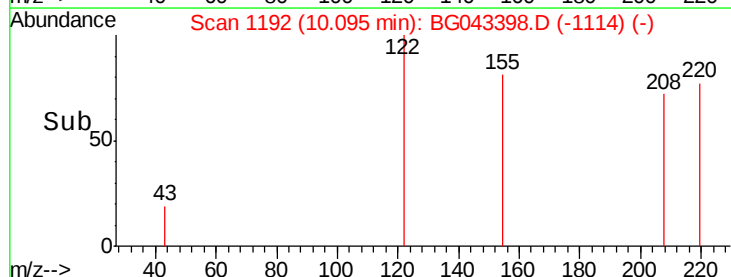
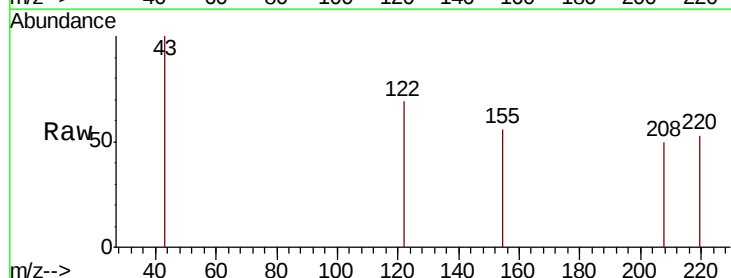
Instrument :
 BNA_G
 ClientSampled :

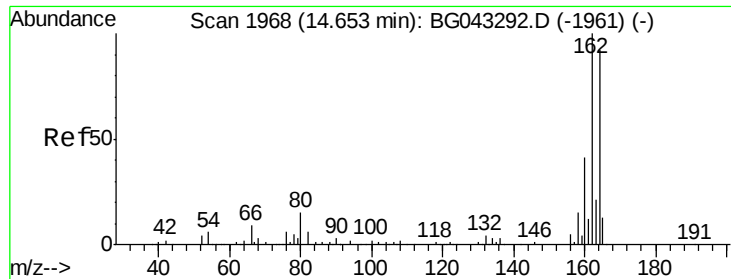
Tot Ion	82	Resp	234410
Ion Ratio	100	Lower	Upper
128	43.1	35.3	52.9
54	53.9	42.3	63.5



#32
 Benzoic acid
 Concen: 9.087 ng
 RT: 10.10 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BG043398.D
 Acq: 30 Oct 2019 7:49

Tgt Ion	122	Resp	76
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Instrument :

BNA_G

ClientSampleId :

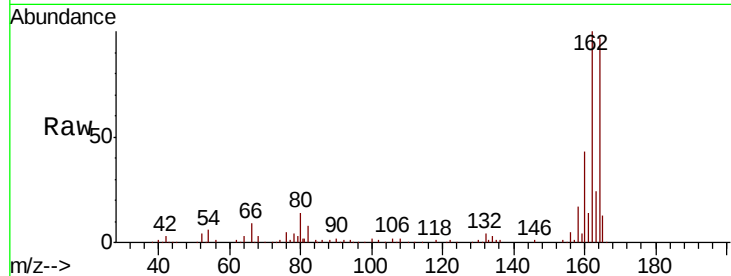
Tot Ion:164 Resp: 119378

Ion Ratio Lower Upper

164 100

162 102.7 87.0 130.4

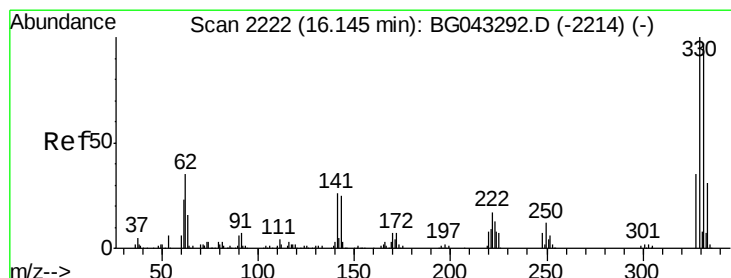
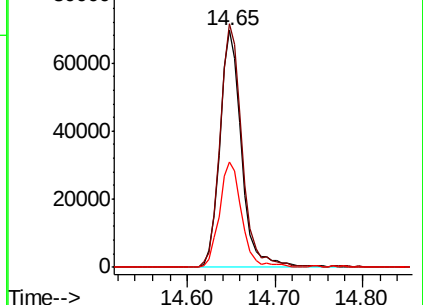
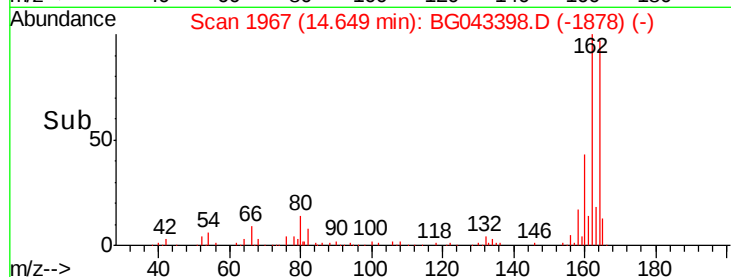
160 44.4 35.5 53.3



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



#42

2,4,6-Tribromophenol

Concen: 96.218 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

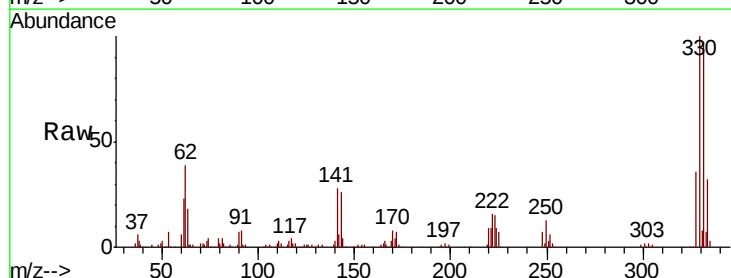
Tgt Ion:330 Resp: 218584

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

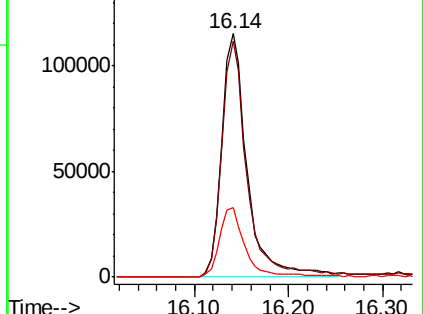
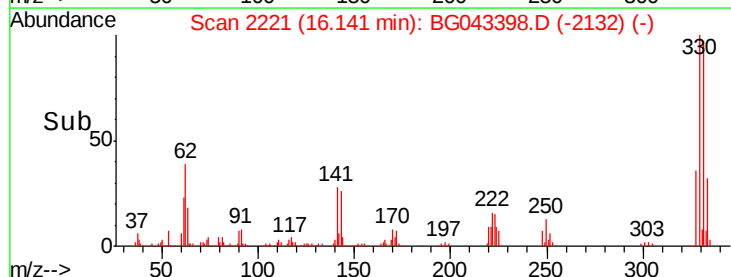
141 28.5 21.4 32.0

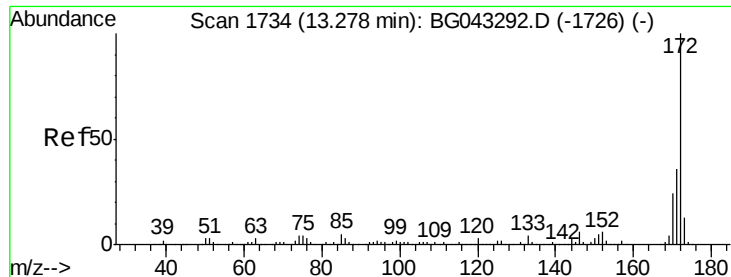


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

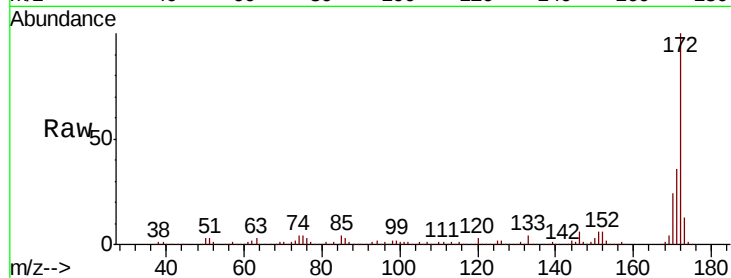




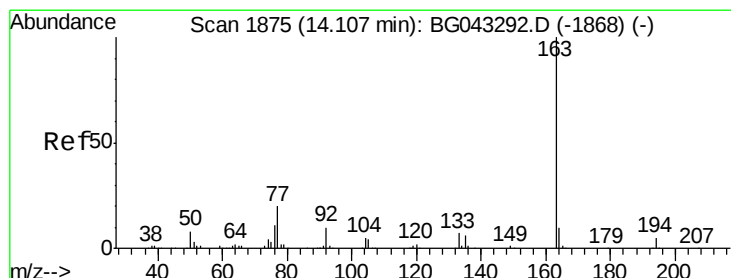
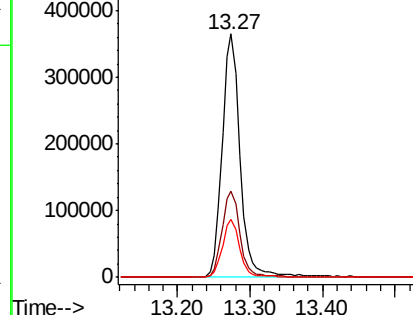
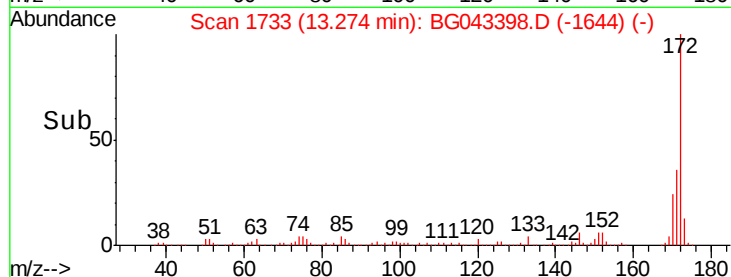
#45
2-Fluorobiphenyl
Concen: 73.045 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BG043398.D
Acq: 30 Oct 2019 7:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 631058
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.7 18.8 28.2

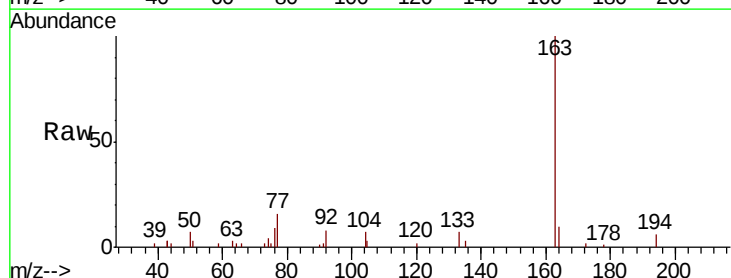


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

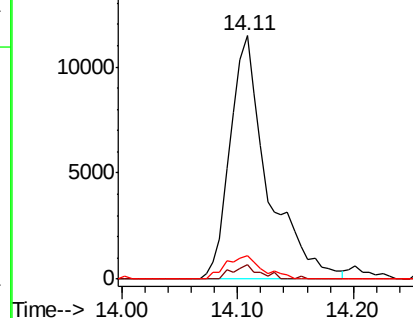
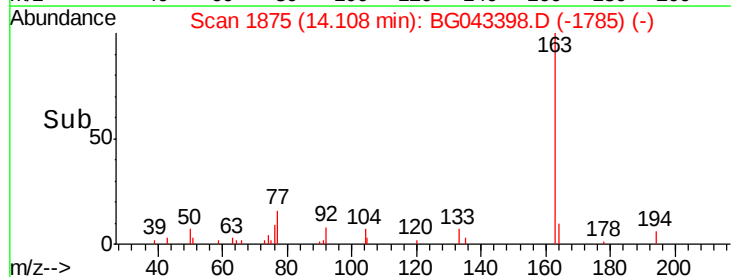


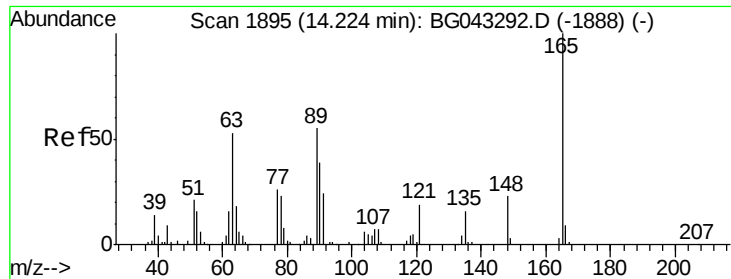
#50
Dimethylphthalate
Concen: 2.802 ng
RT: 14.11 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BG043398.D
Acq: 30 Oct 2019 7:49

Tgt Ion:163 Resp: 25905
Ion Ratio Lower Upper
163 100
194 6.2 3.7 5.5#
164 9.7 8.1 12.1



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

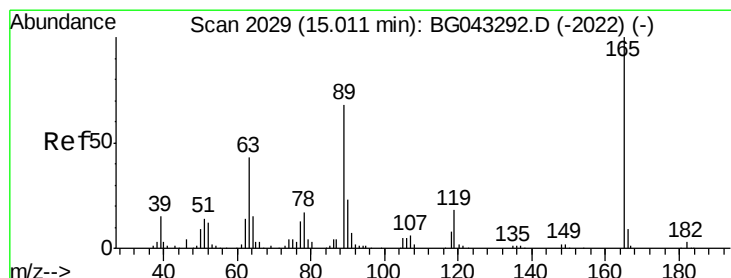
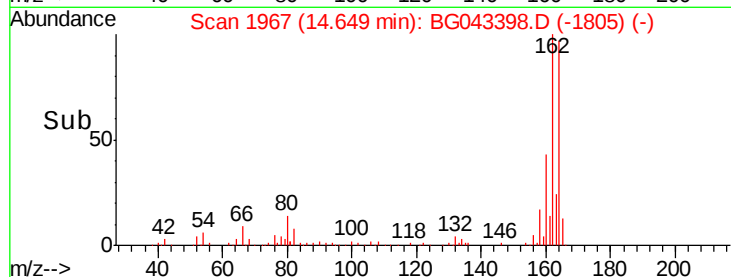
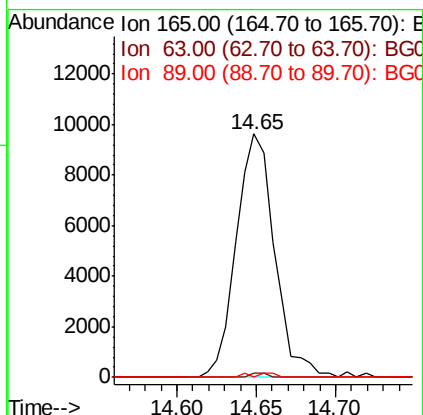
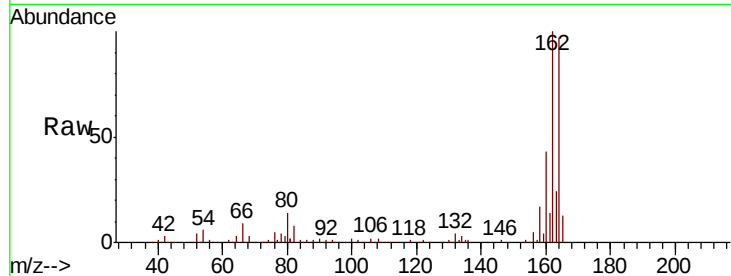




#51
 2,6-Dinitrotoluene
 Concen: 8.047 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.42 min
 Lab File: BG043398.D
 Acq: 30 Oct 2019 7:49

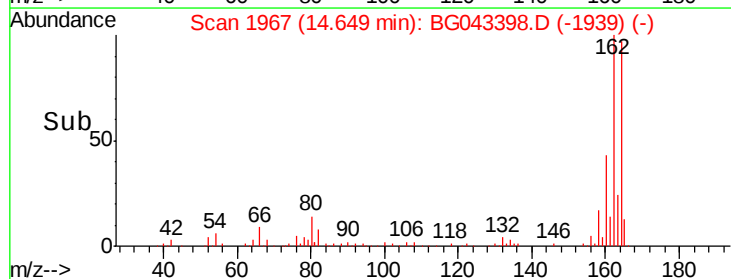
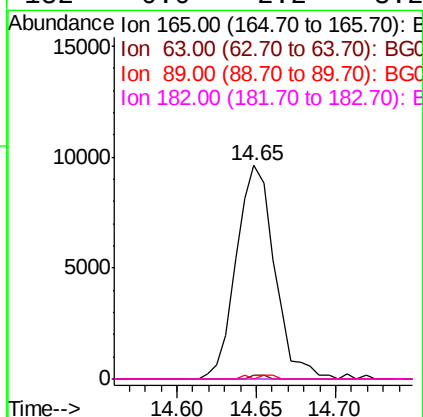
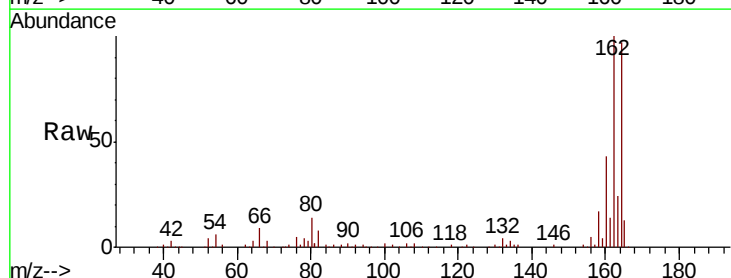
Instrument :
 BNA_G
 ClientSampleId :

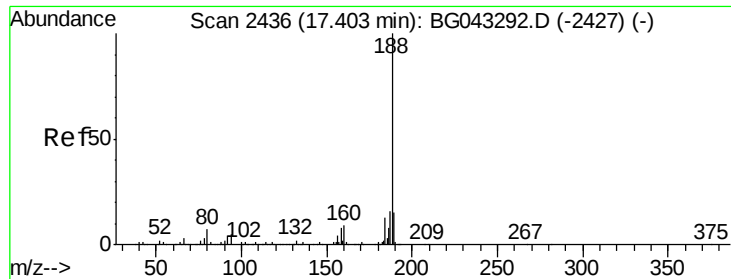
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	47.1	70.7#
89	0.0	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.631 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043398.D
 Acq: 30 Oct 2019 7:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Instrument :

BNA_G

ClientSampleId :

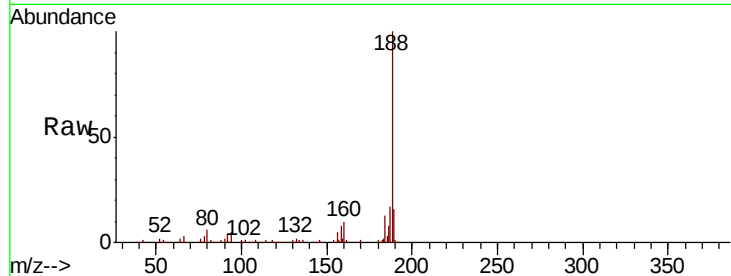
Tot Ion:188 Resp: 268918

Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.2

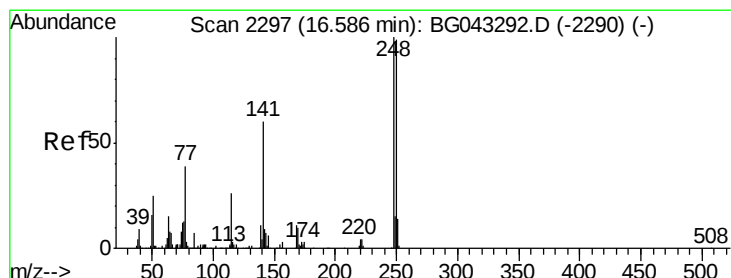
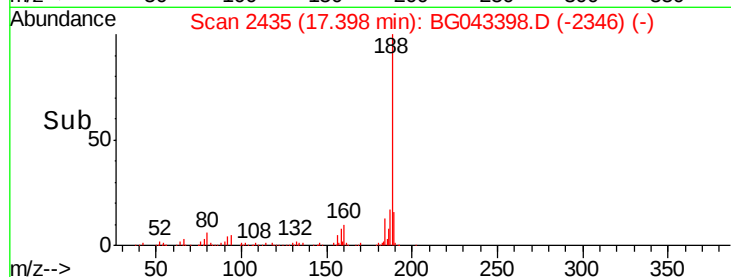
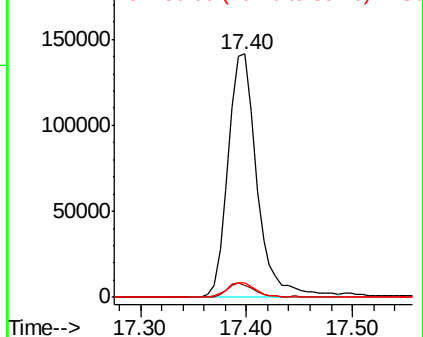
80 5.7 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.743 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

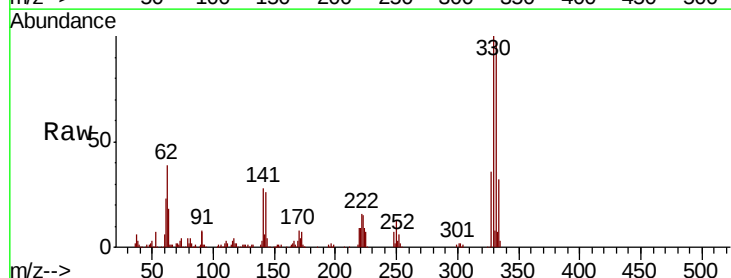
Tgt Ion:248 Resp: 13546

Ion Ratio Lower Upper

248 100

250 202.3 79.3 118.9#

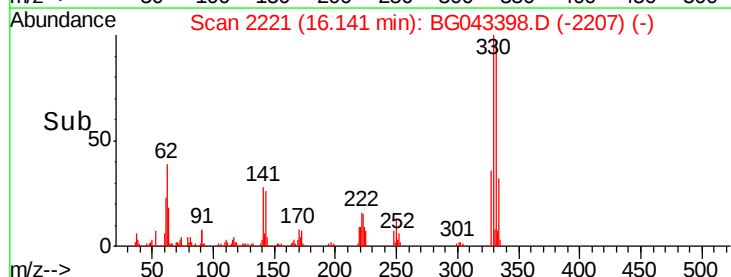
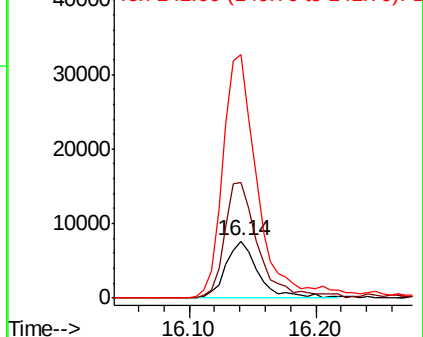
141 427.3 47.9 71.9#

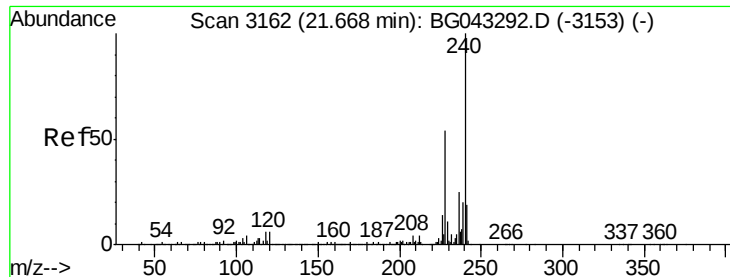


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Instrument :

BNA_G

ClientSampleId :

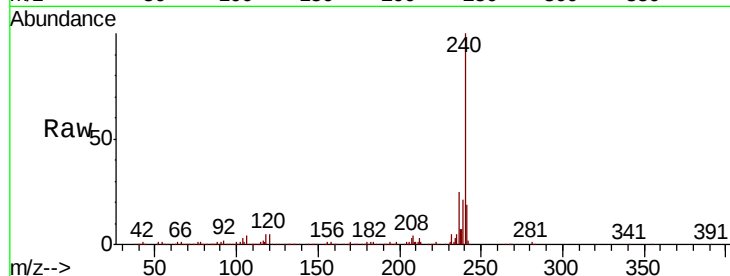
Tot Ion:240 Resp: 306702

Ion Ratio Lower Upper

240 100

120 5.2 4.6 7.0

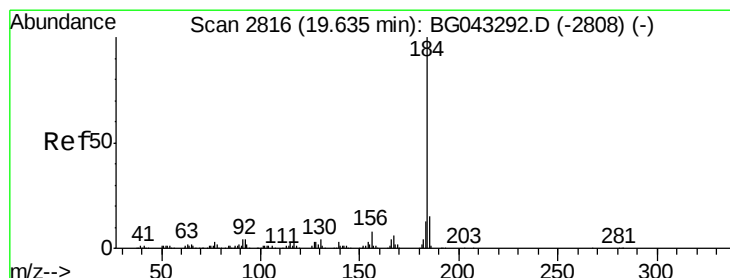
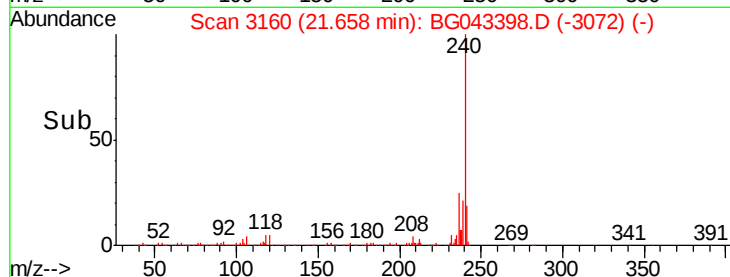
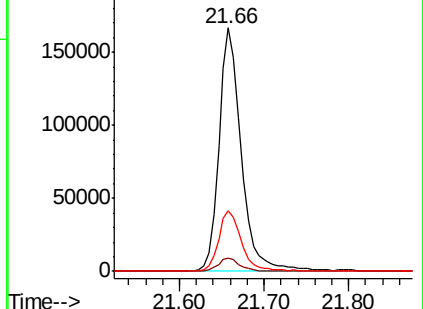
236 25.1 20.2 30.4



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: 2.891 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

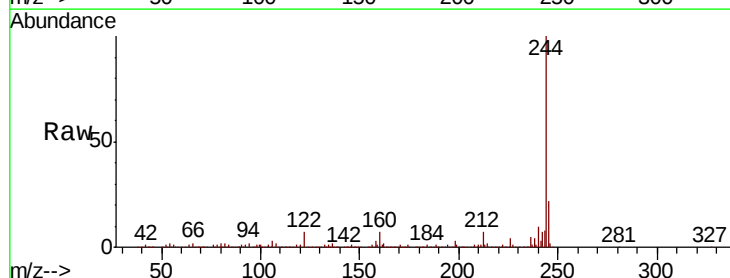
Tgt Ion:184 Resp: 17846

Ion Ratio Lower Upper

184 100

185 20.3 11.8 17.6#

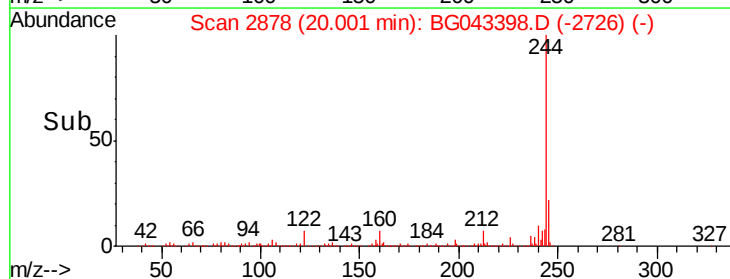
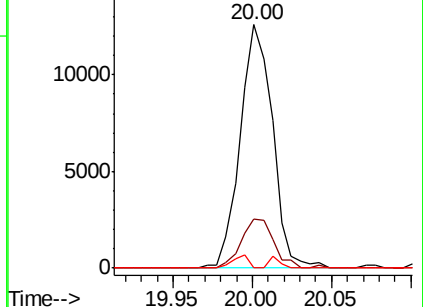
183 0.0 10.6 16.0#

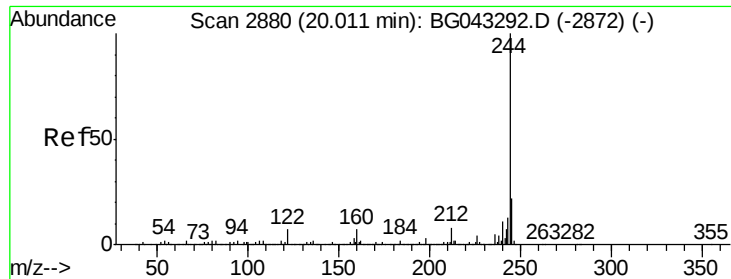


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 77.934 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

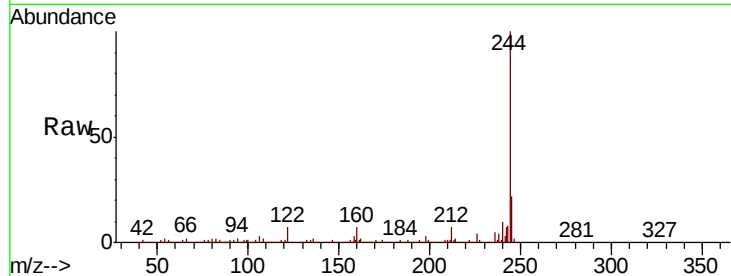
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1274082

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	7.0	5.3	7.9

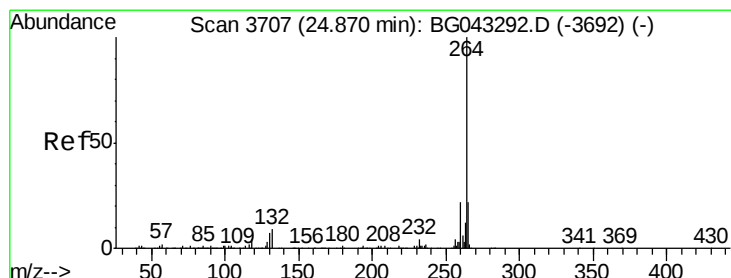
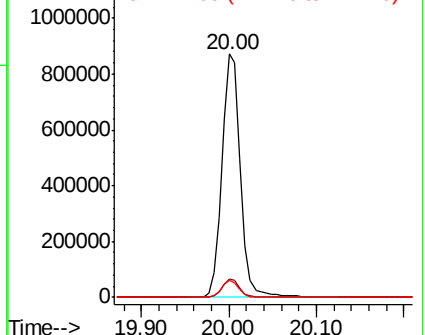
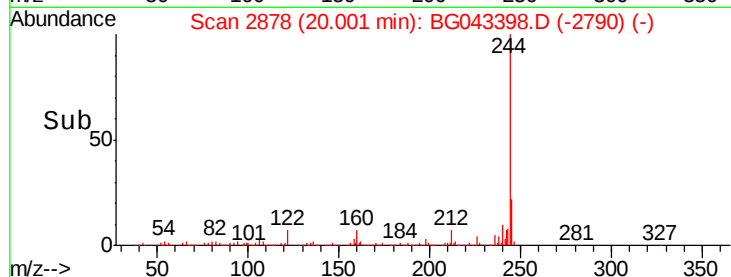


Abundance

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: 24.85 min Scan# 3704

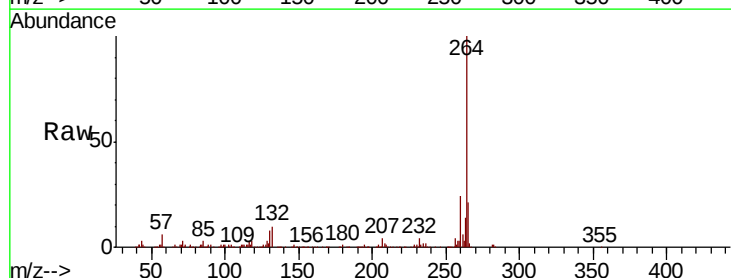
Delta R.T. -0.02 min

Lab File: BG043398.D

Acq: 30 Oct 2019 7:49

Tgt Ion:264 Resp: 351637

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.9	26.9
265	20.8	17.4	26.2



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

