

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043717.D
 Acq On : 20 Nov 2019 4:41
 Operator : JU
 Sample : K5670-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 05:55:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

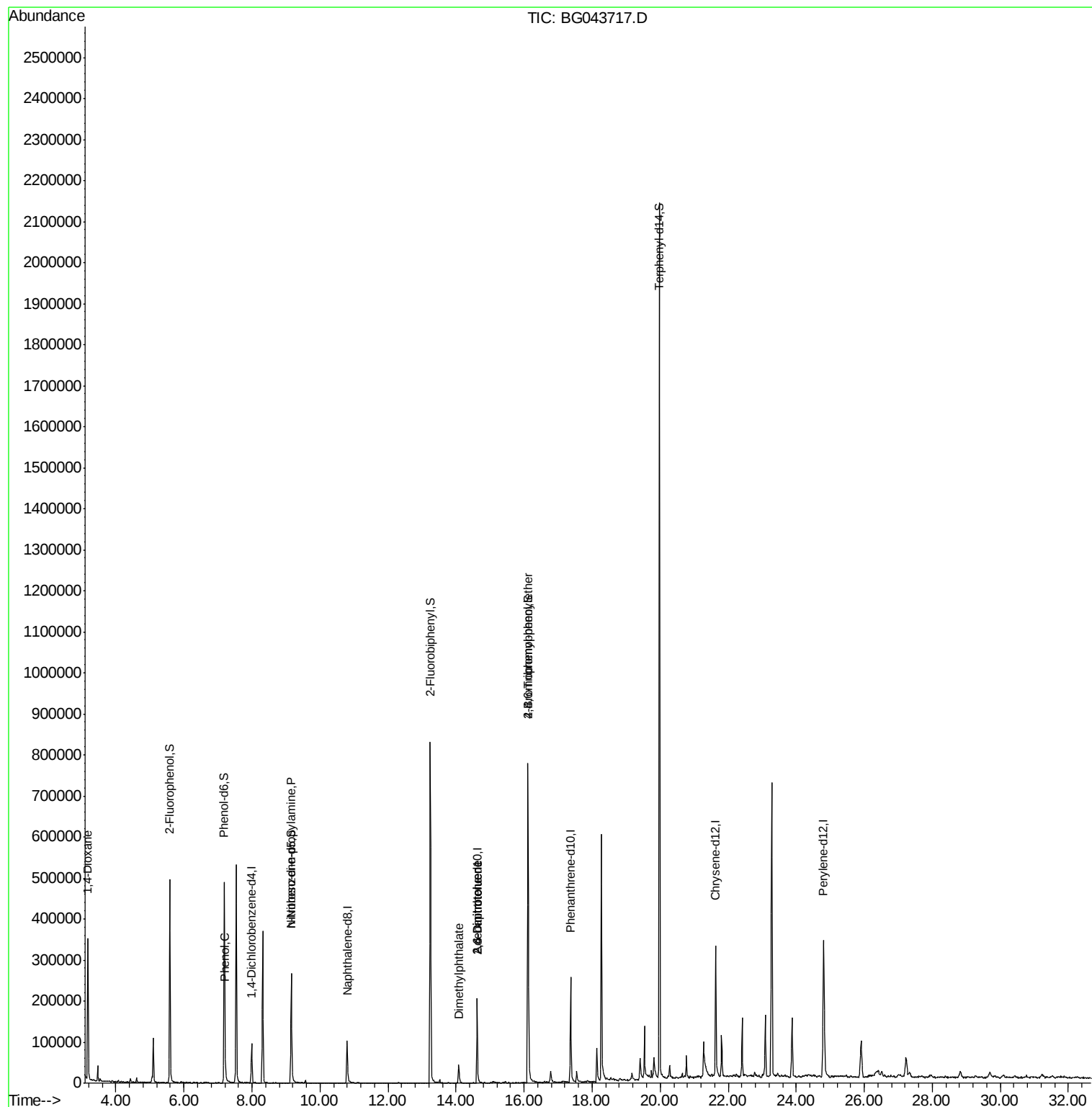
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27657	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	106439	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	77371	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	197839	20.00	ng	0.00
76) Chrysene-d12	21.63	240	215006	20.00	ng	0.00
87) Perylene-d12	24.81	264	247929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	223330	147.97	ng	0.00
7) Phenol-d6	7.18	99	308360	142.00	ng	0.00
23) Nitrobenzene-d5	9.15	82	185552	89.87	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	199694	135.63	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	491290	87.74	ng	0.00
79) Terphenyl-d14	19.98	244	1106689	96.57	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.17	88	4088	6.951	ng	Qvalue # 1
10) Phenol	7.21	94	15291	7.706	ng	90
19) n-Nitroso-di-n-propylamine	9.15	70	26739	19.056	ng	# 77
50) Dimethylphthalate	14.08	163	40901	6.825	ng	98
51) 2,6-Dinitrotoluene	14.62	165	11619	8.924	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	11619	6.245	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	13487	5.066	ng	# 1

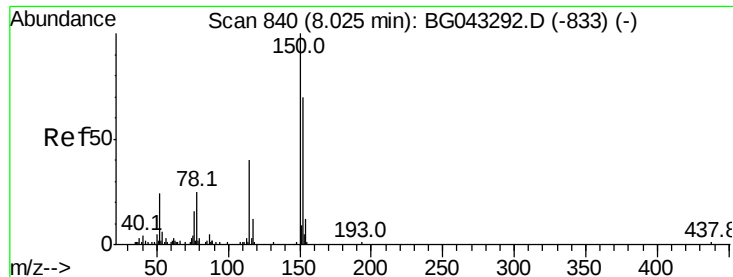
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
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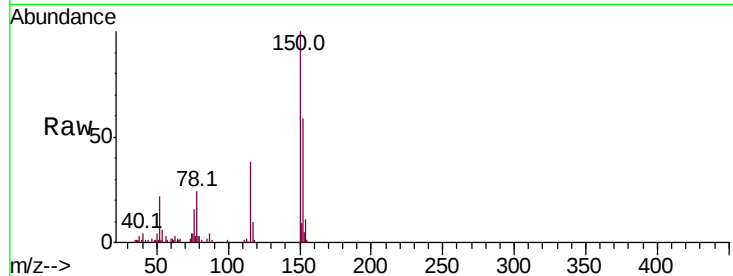


#1

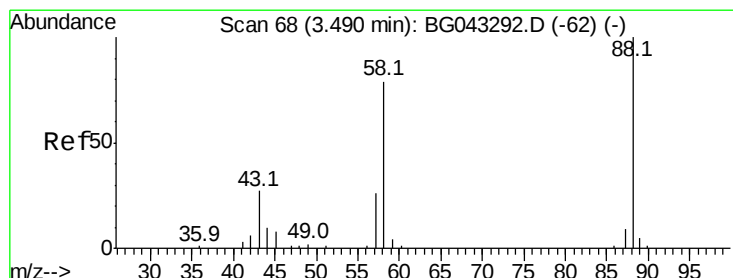
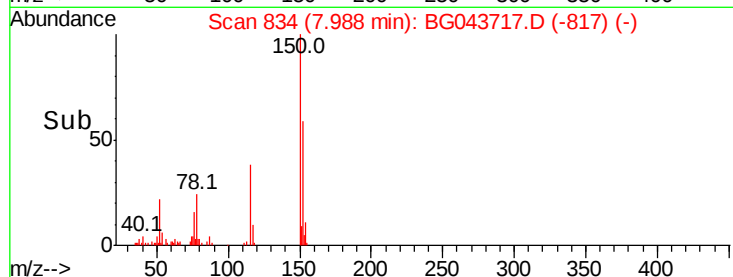
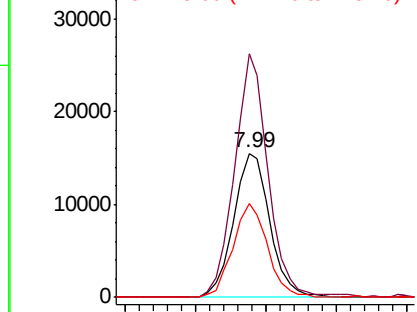
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27657
Ion Ratio Lower Upper
152 100
150 169.0 116.6 175.0
115 64.8 40.5 60.7#



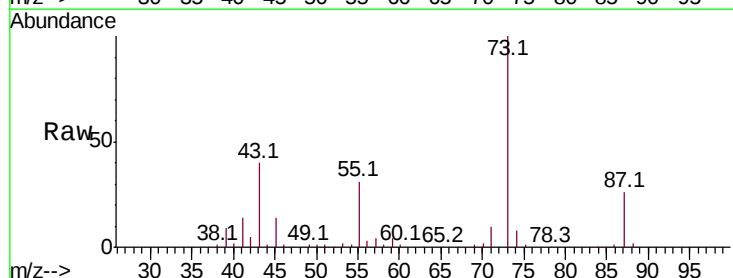
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



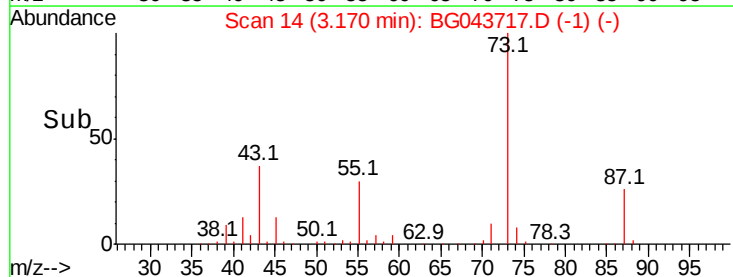
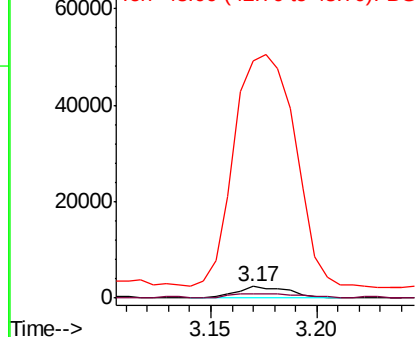
#2

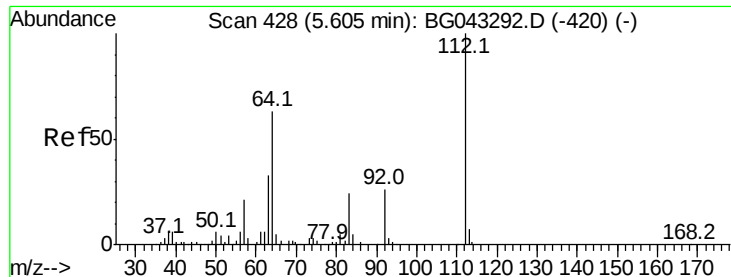
1,4-Dioxane
Concen: 6.951 ng
RT: 3.17 min Scan# 14
Delta R.T. -0.28 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Tgt Ion: 88 Resp: 4088
Ion Ratio Lower Upper
88 100
58 52.8 62.2 93.4#
43 2377.0 30.1 45.1#



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: 147.970 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Instrument :

BNA_G

ClientSampleId :

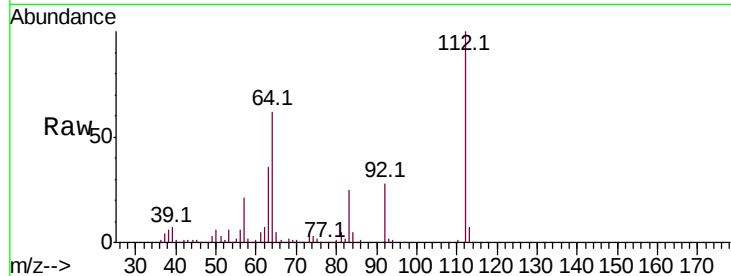
Tot Ion:112 Resp: 223330

Ion Ratio Lower Upper

112 100

64 61.7 50.6 75.8

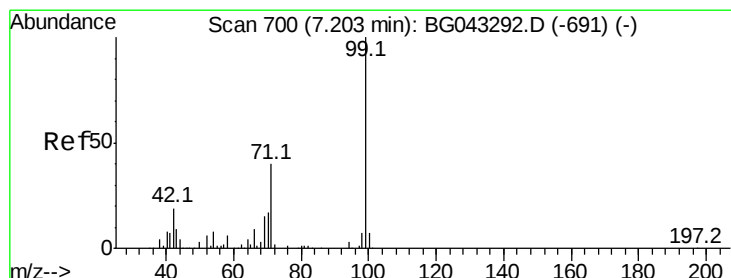
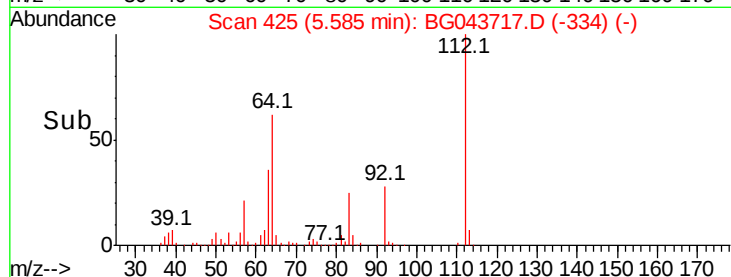
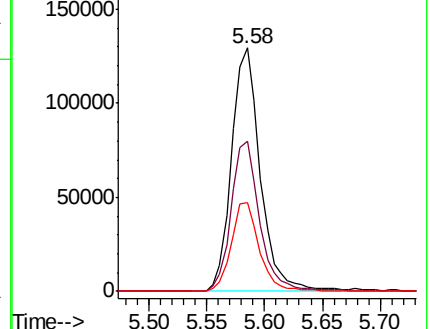
63 36.3 30.5 45.7



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: 142.002 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

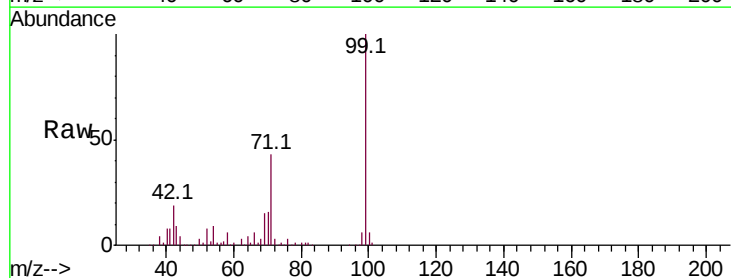
Tgt Ion: 99 Resp: 308360

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.8

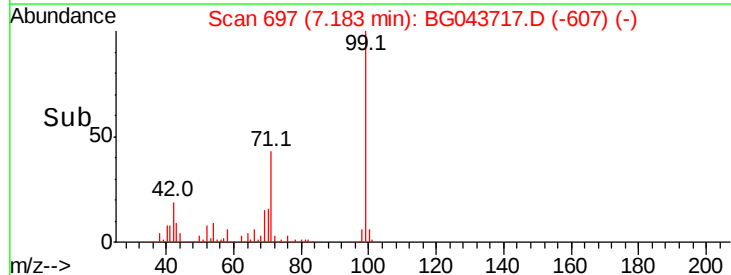
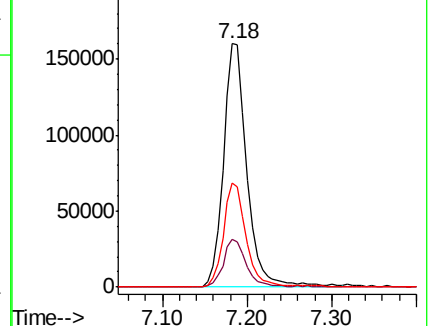
71 43.0 34.4 51.6

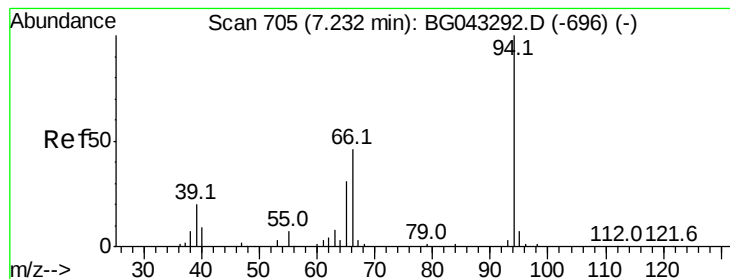


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.706 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Instrument :

BNA_G

ClientSampled :

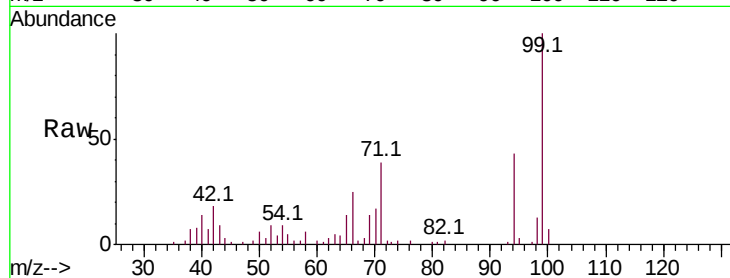
Tot Ion: 94 Resp: 15291

Ion Ratio Lower Upper

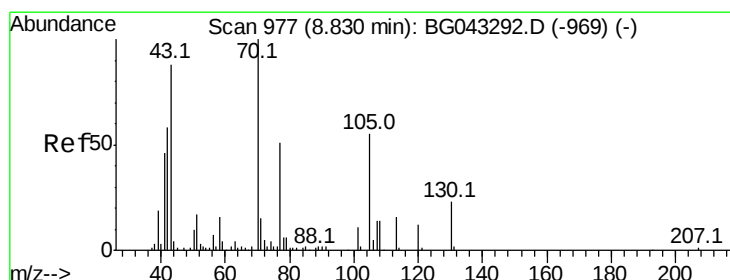
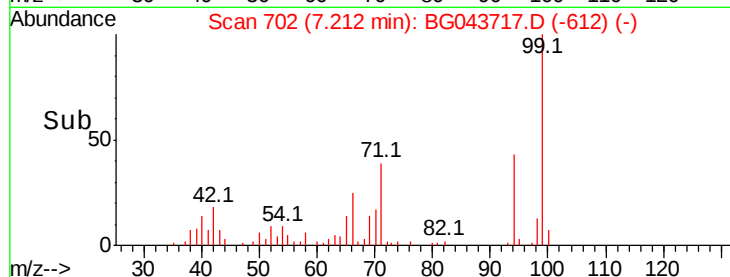
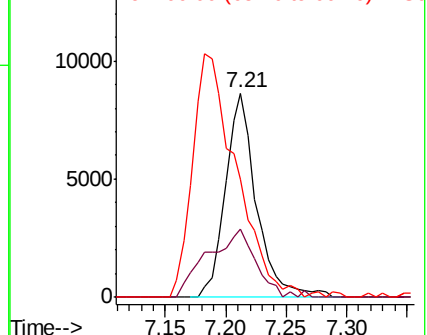
94 100

65 33.1 11.4 51.4

66 58.0 28.4 68.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.056 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Tgt Ion: 70 Resp: 26739

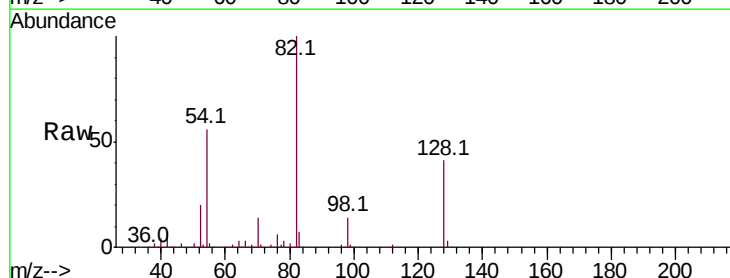
Ion Ratio Lower Upper

70 100

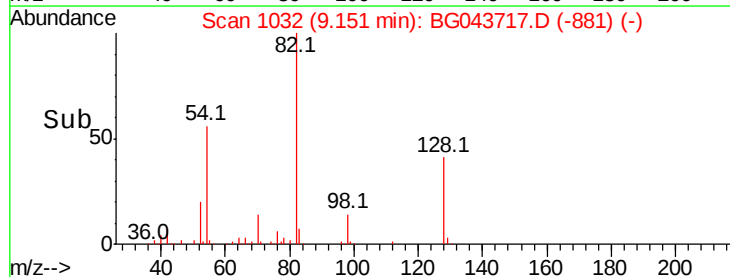
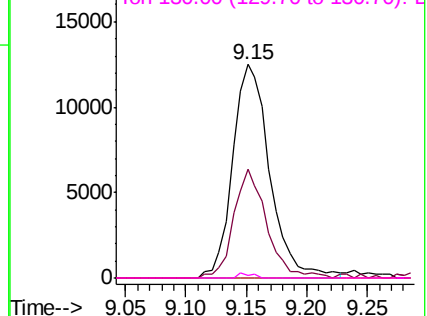
42 50.8 49.7 74.5

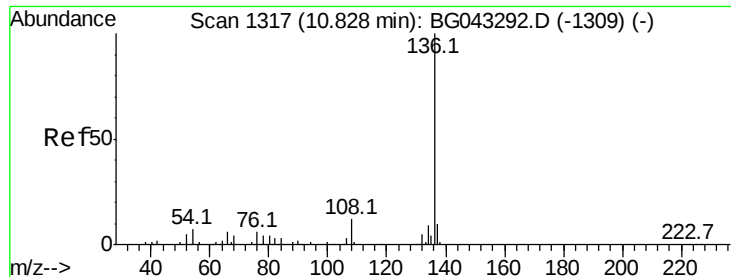
101 0.0 9.7 14.5#

130 1.2 17.7 26.5#



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

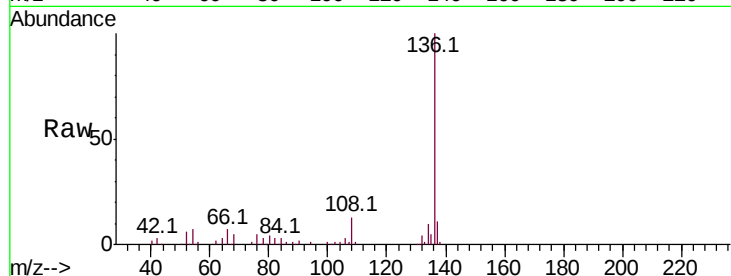




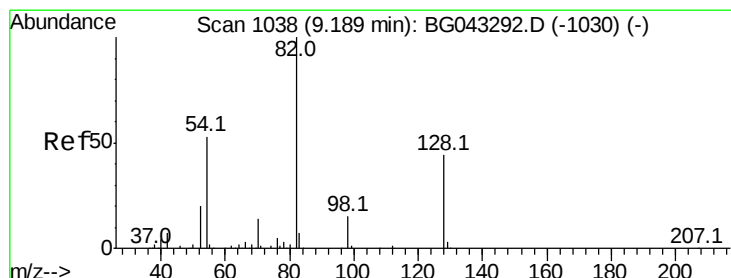
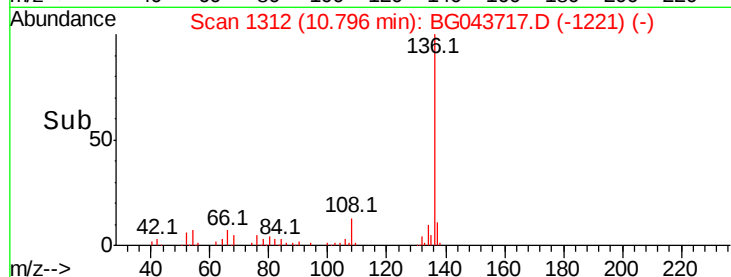
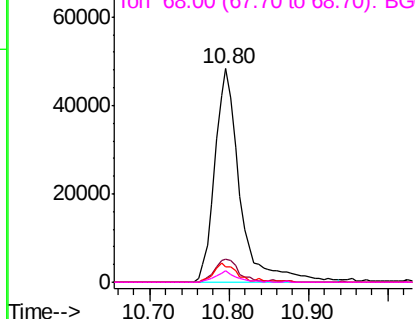
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	106439
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	7.2	6.2 9.2
68	5.4	3.4 5.0#

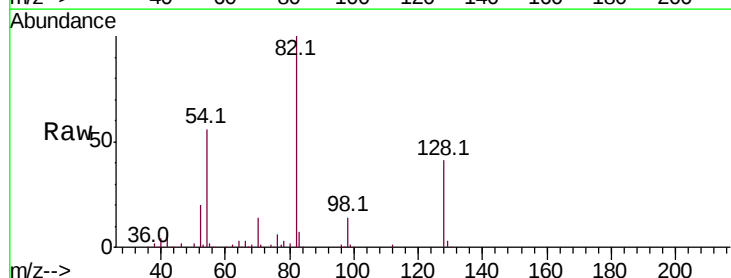


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

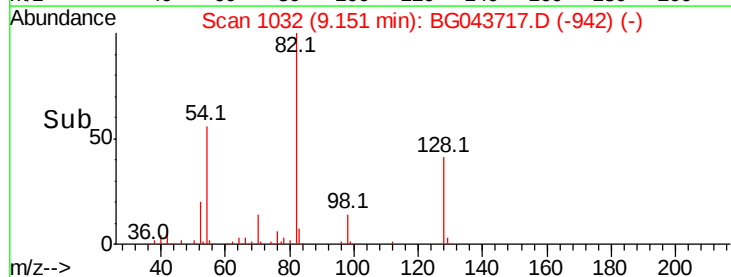
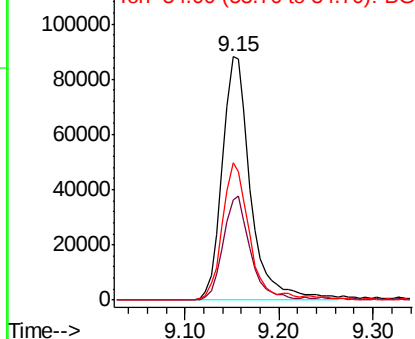


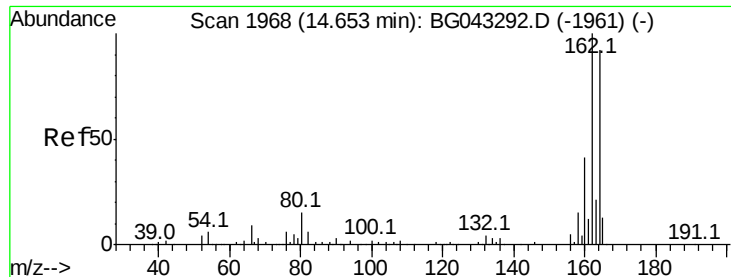
#23
Nitrobenzene-d5
Concen: 89.873 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Tgt Ion: 82	Resp:	185552
Ion Ratio	Lower	Upper
82	100	
128	41.0	34.2 51.4
54	56.3	44.7 67.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

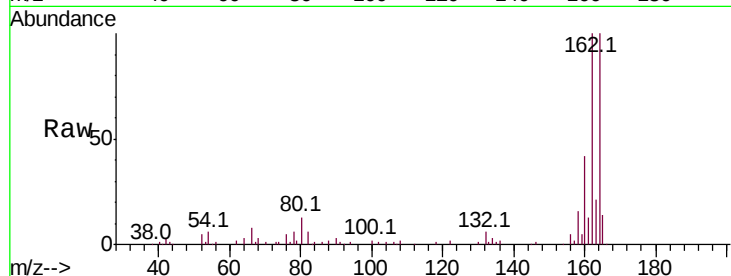
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 77371

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.4	119.2
160	42.1	36.3	54.5

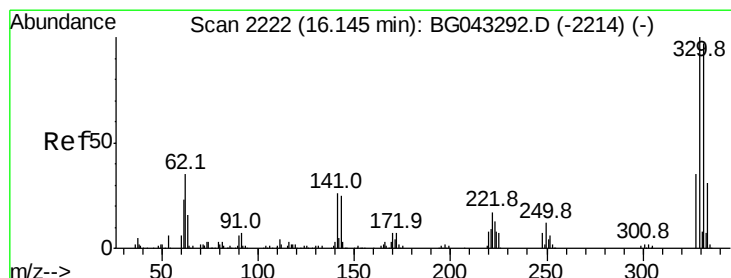
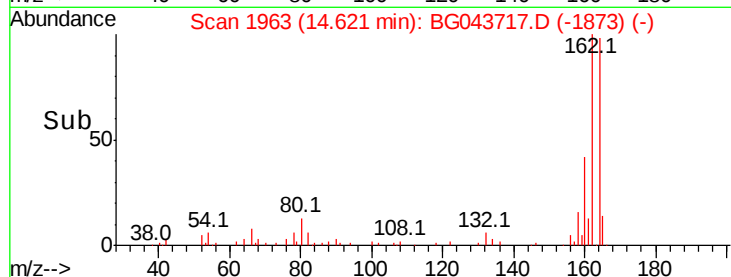
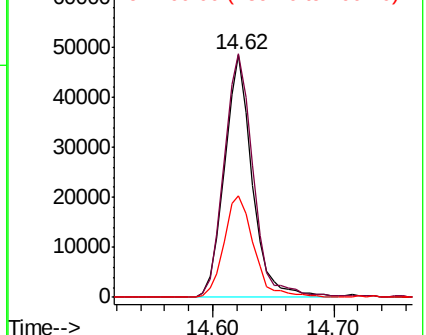


Abundance

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: 135.627 ng

RT: 16.11 min Scan# 2217

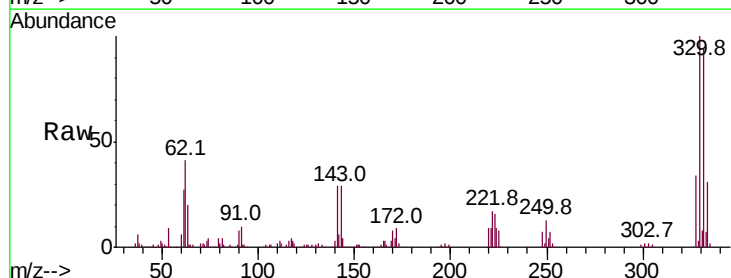
Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Tgt Ion:330 Resp: 199694

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	29.4	23.4	35.2

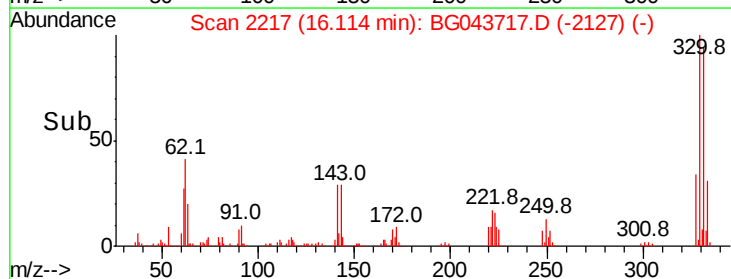
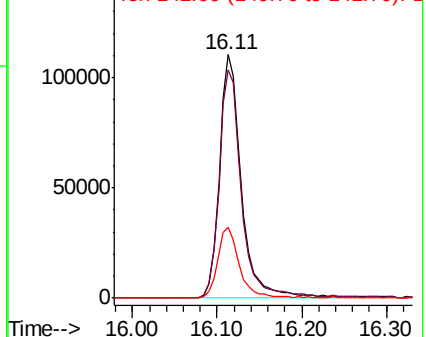


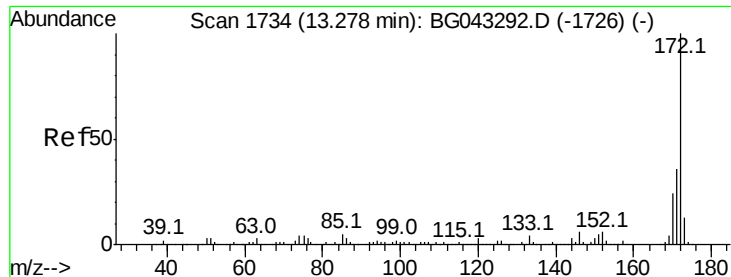
Abundance

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

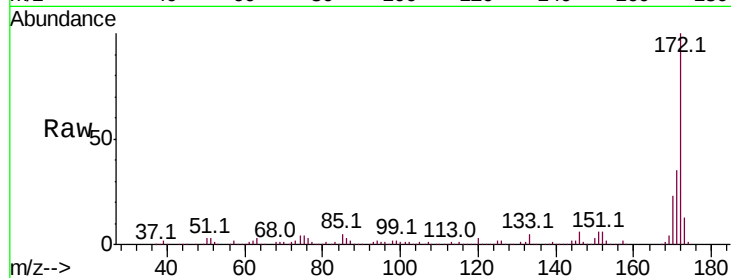




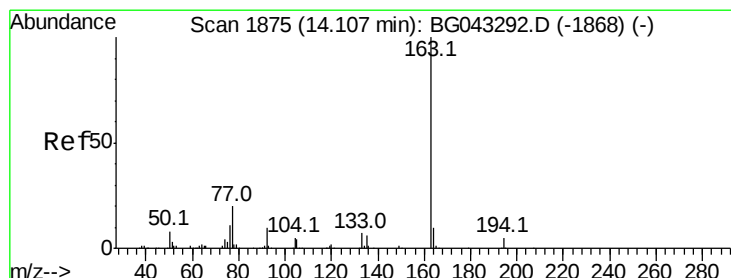
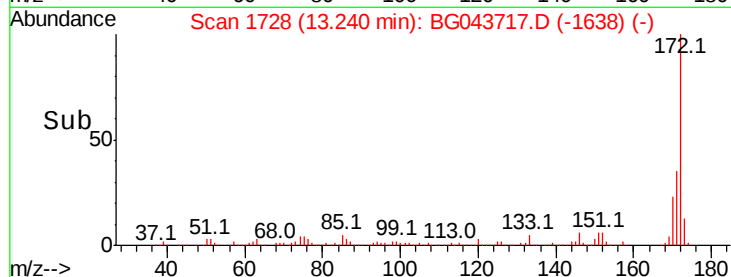
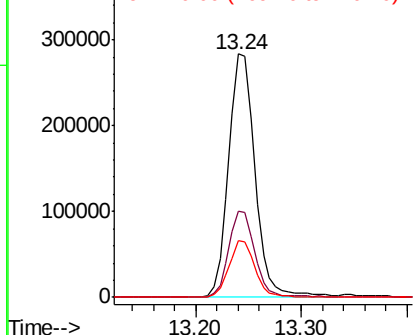
#45
2-Fluorobiphenyl
Concen: 87.742 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.3	18.8	28.2

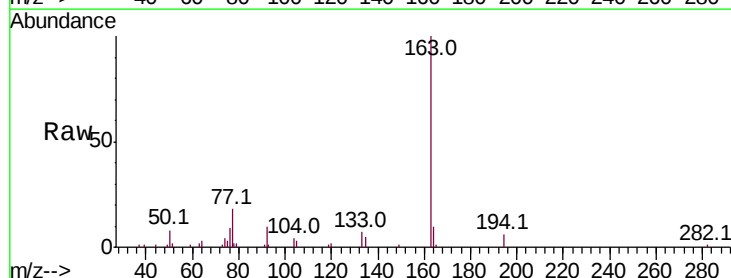


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

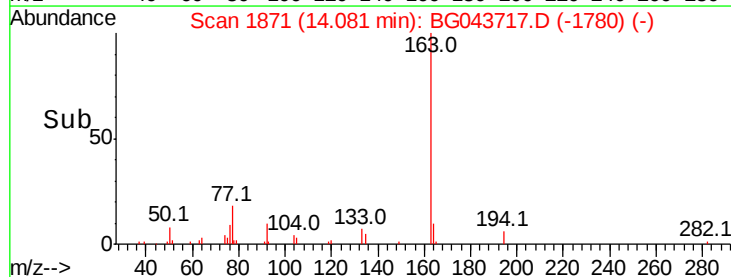
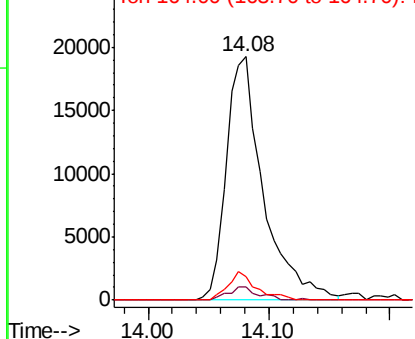


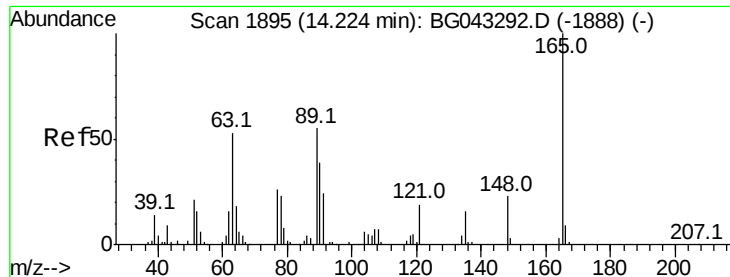
#50
Dimethylphthalate
Concen: 6.825 ng
RT: 14.08 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BG043717.D
Acq: 20 Nov 2019 4:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.8	5.8
164	9.8	8.5	12.7



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

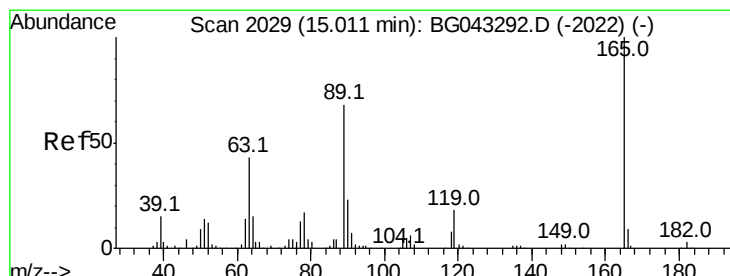
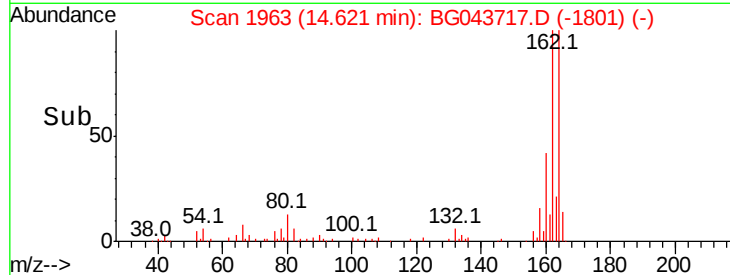
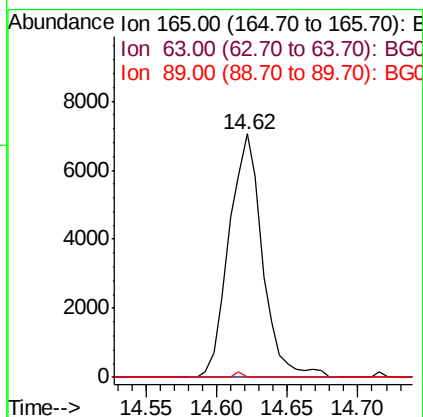
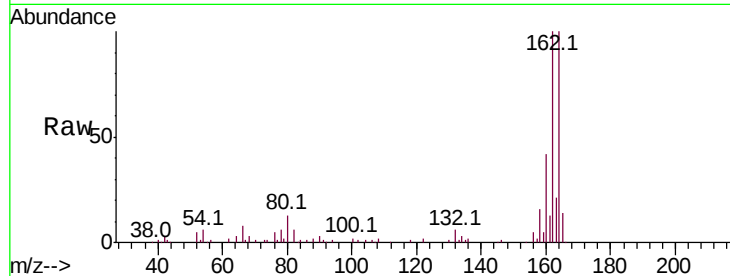




#51
 2,6-Dinitrotoluene
 Concen: 8.924 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.42 min
 Lab File: BG043717.D
 Acq: 20 Nov 2019 4:41

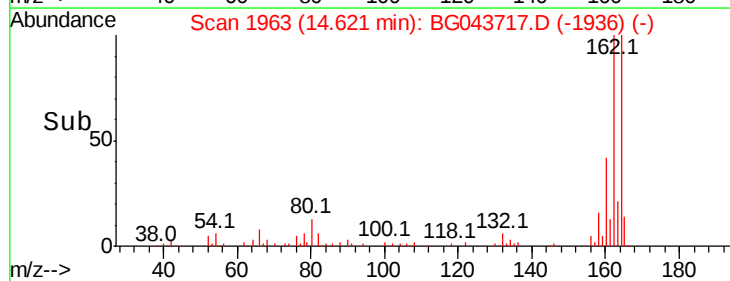
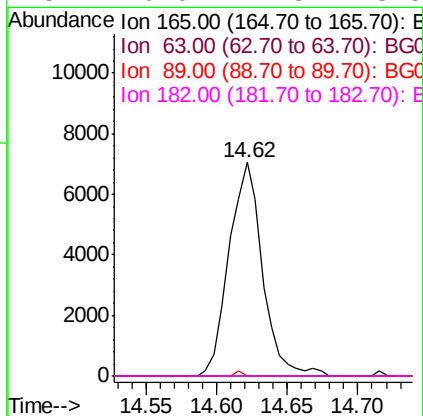
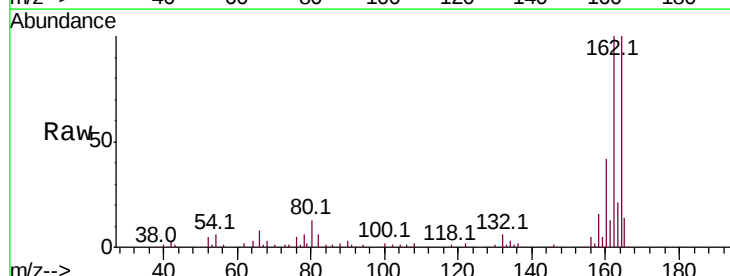
Instrument :
 BNA_G
 ClientSampleId :

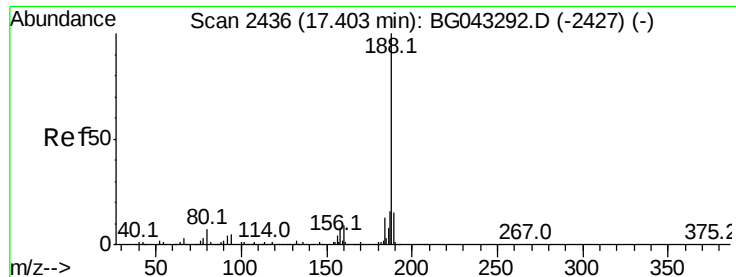
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	39.8	59.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.245 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG043717.D
 Acq: 20 Nov 2019 4:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	0.0	50.9	76.3#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Instrument :

BNA_G

ClientSampleId :

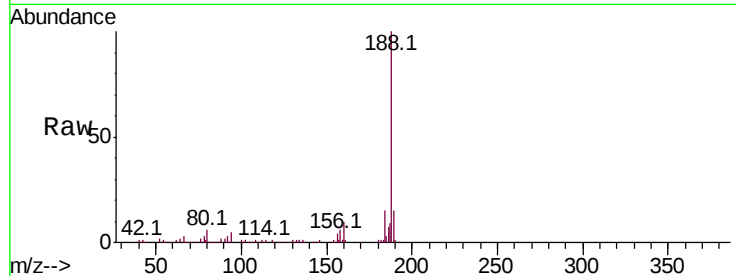
Tot Ion:188 Resp: 197839

Ion Ratio Lower Upper

188 100

94 5.4 4.6 7.0

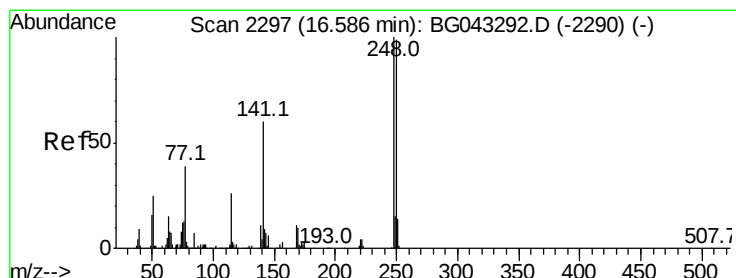
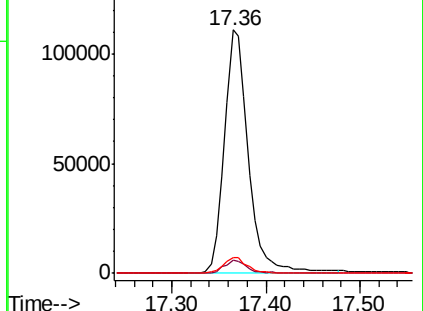
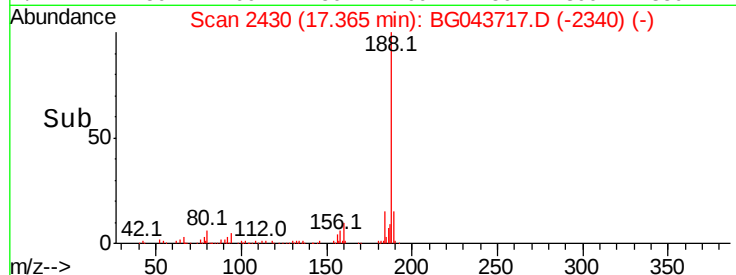
80 6.4 5.2 7.8



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: 5.066 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

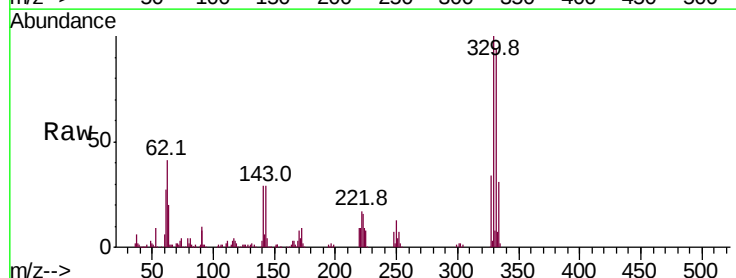
Tgt Ion:248 Resp: 13487

Ion Ratio Lower Upper

248 100

250 197.2 76.3 114.5#

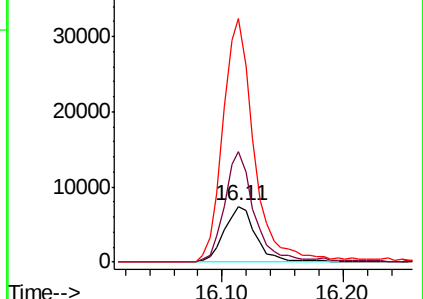
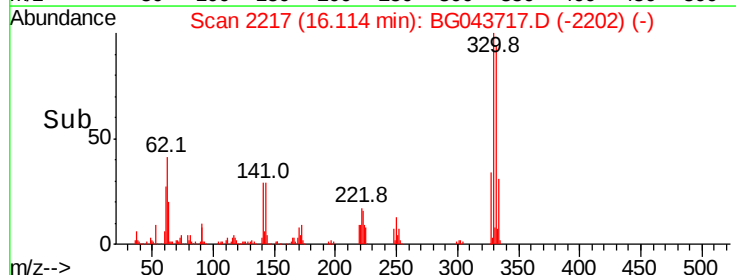
141 435.7 49.5 74.3#

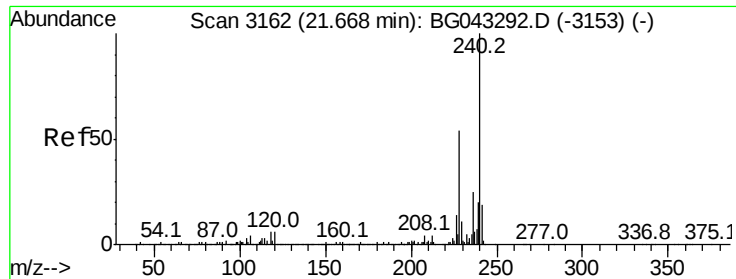


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

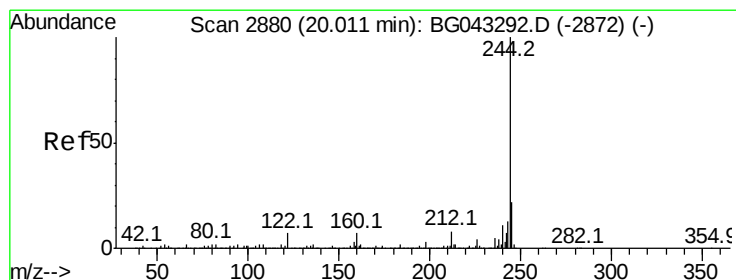
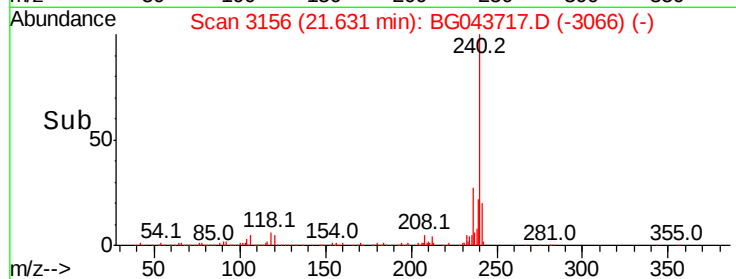
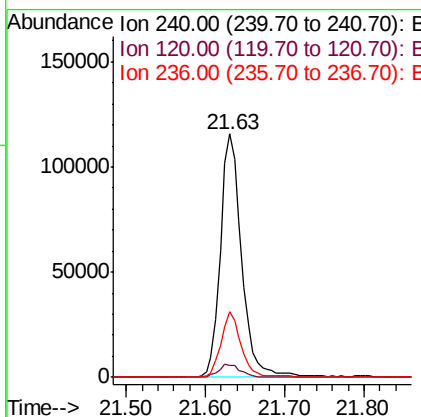
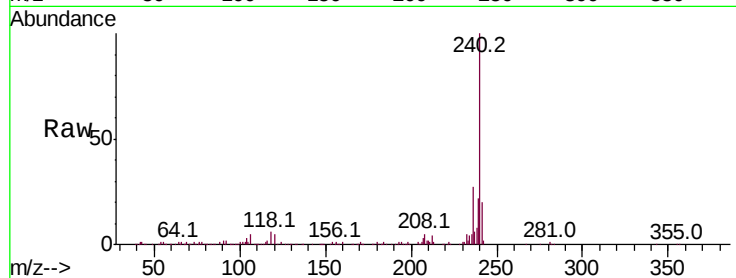




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: BG043717.D
 Acq: 20 Nov 2019 4:41

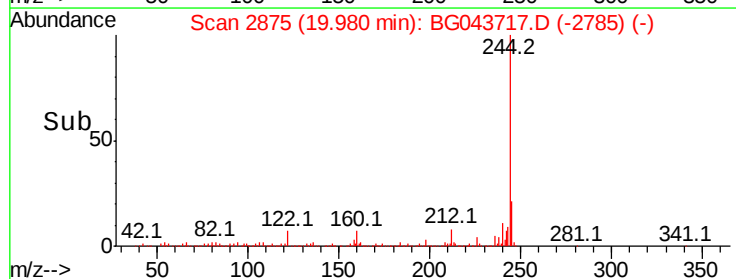
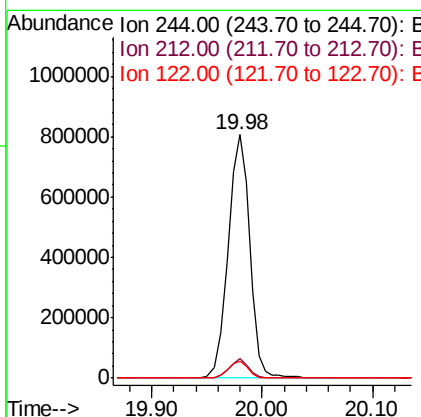
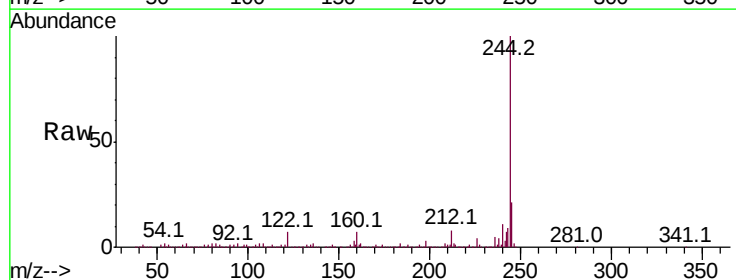
Instrument :
 BNA_G
 ClientSampleId :

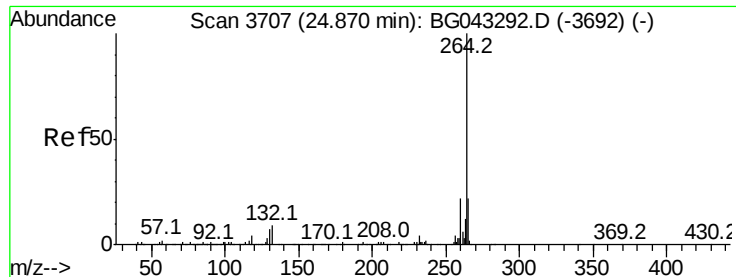
Tot Ion:240 Resp: 215006
 Ion Ratio Lower Upper
 240 100
 120 4.7 4.9 7.3#
 236 26.9 21.4 32.0



#79
 Terphenyl-d14
 Concen: 96.565 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.00 min
 Lab File: BG043717.D
 Acq: 20 Nov 2019 4:41

Tgt Ion:244 Resp: 1106689
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.6 8.4
 122 6.8 5.2 7.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BG043717.D

Acq: 20 Nov 2019 4:41

Instrument :

BNA_G

ClientSampleId :

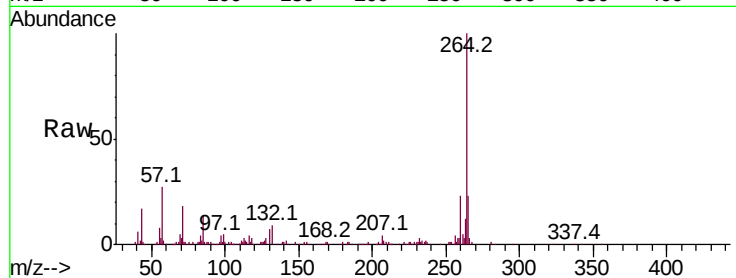
Tot Ion:264 Resp: 247929

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 23.1 15.8 23.8



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

