

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043715.D
 Acq On : 20 Nov 2019 3:22
 Operator : JU
 Sample : K5676-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 03:58:16 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	26909	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	97680	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	71079	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	189814	20.00	ng	0.00
76) Chrysene-d12	21.63	240	215736	20.00	ng	0.00
87) Perylene-d12	24.81	264	248167	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	202515	137.91	ng	0.00
7) Phenol-d6	7.19	99	263791	124.85	ng	0.00
23) Nitrobenzene-d5	9.15	82	166846	88.06	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	177379	131.14	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	457608	88.96	ng	0.00
79) Terphenyl-d14	19.98	244	1061819	92.34	ng	0.00

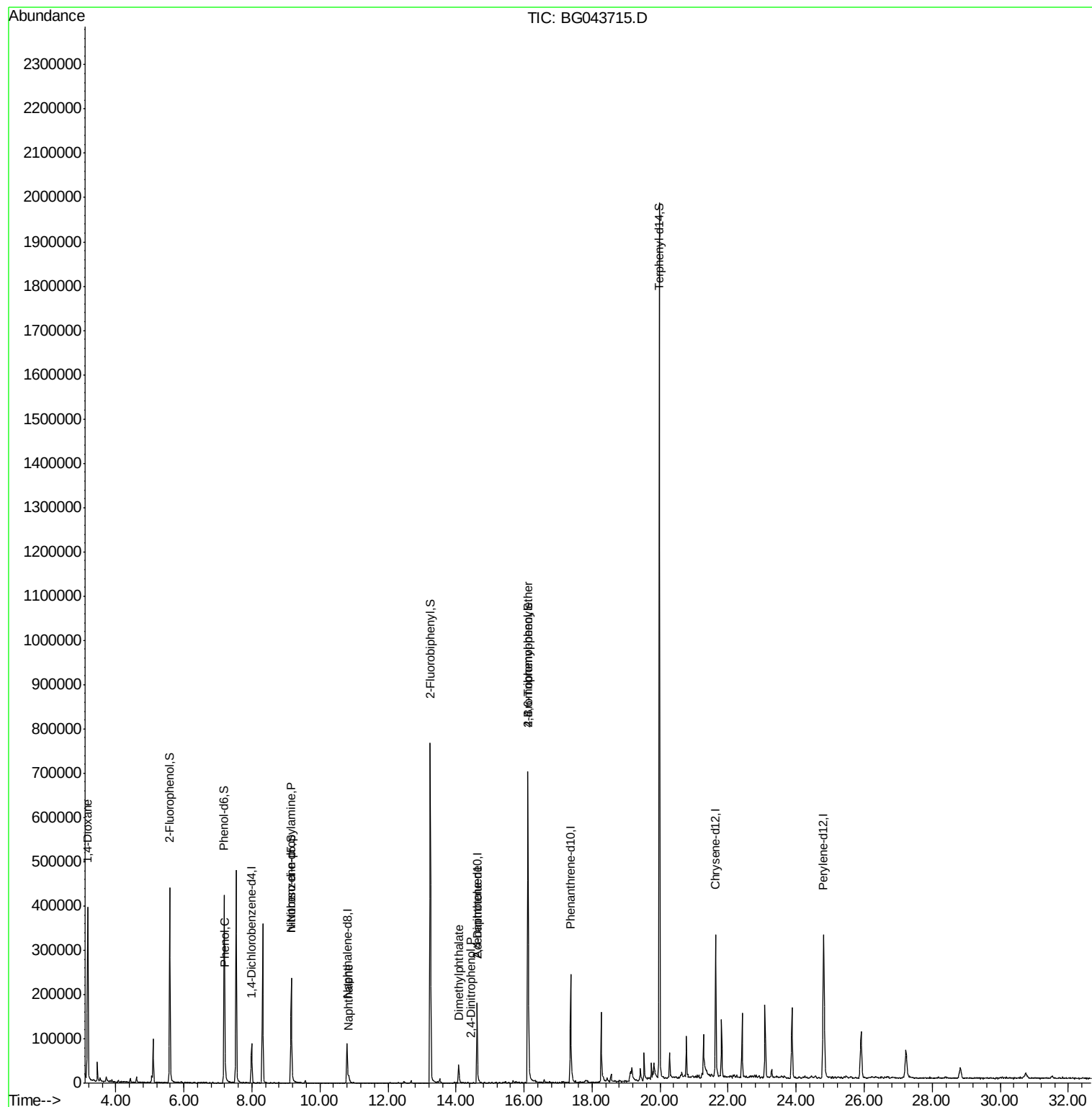
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	4303	7.519	ng	# 1
10) Phenol	7.21	94	14025	7.264	ng	# 79
19) n-Nitroso-di-n-propylamine	9.15	70	24095	17.649	ng	# 68
31) Naphthalene	10.85	128	12800	2.582	ng	# 93
50) Dimethylphthalate	14.08	163	36817	6.687	ng	# 97
54) 2,4-Dinitrophenol	14.43	184	66	7.363	ng	# 13
57) 2,4-Dinitrotoluene	14.62	165	10132	5.927	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11519	4.509	ng	# 1

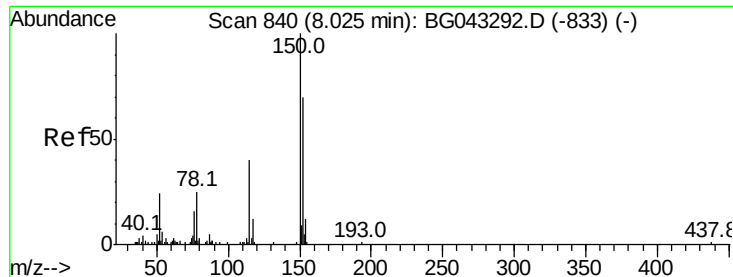
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG043715.D

Acq: 20 Nov 2019 3:22

Instrument :

BNA_G

ClientSampleId :

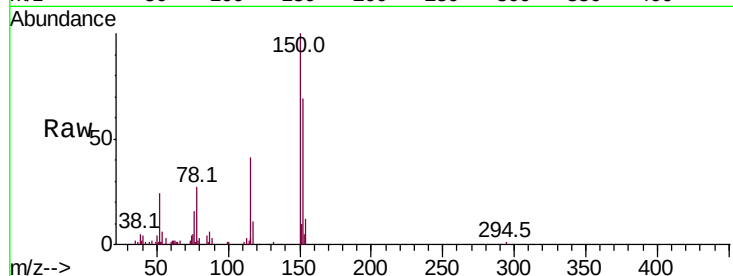
Tot Ion:152 Resp: 26909

Ion Ratio Lower Upper

152 100

150 143.9 116.6 175.0

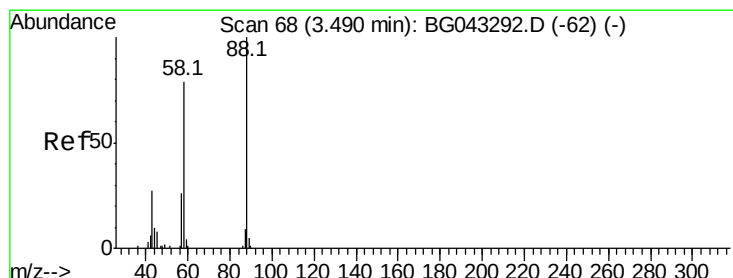
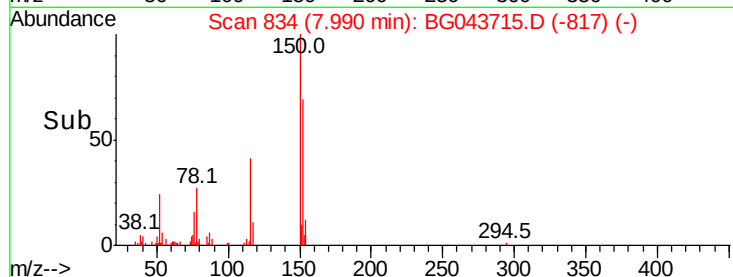
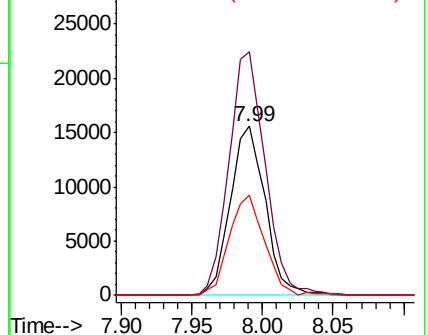
115 59.3 40.5 60.7



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: 7.519 ng

RT: 3.17 min Scan# 14

Delta R.T. -0.28 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

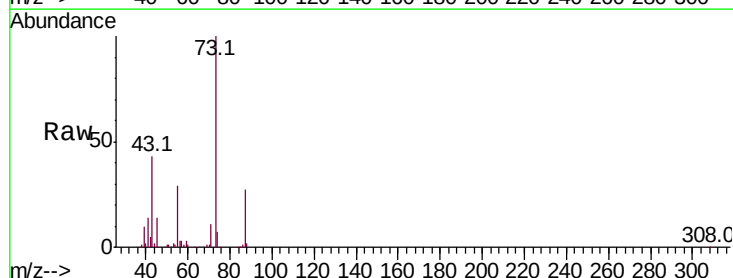
Tgt Ion: 88 Resp: 4303

Ion Ratio Lower Upper

88 100

58 65.2 62.2 93.4

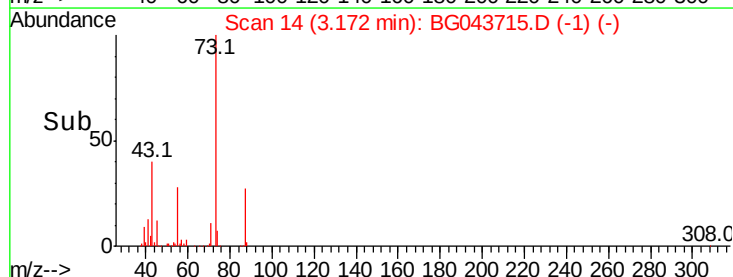
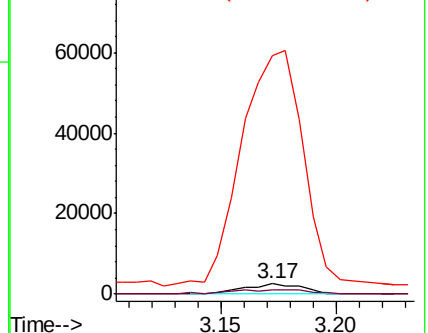
43 2485.2 30.1 45.1#

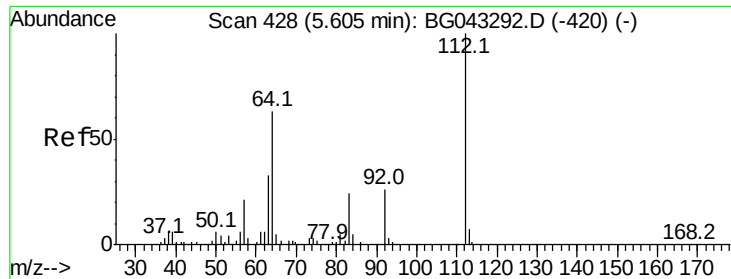


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 137.909 ng

RT: 5.58 min Scan# 424

Delta R.T. 0.00 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

Instrument :

BNA_G

ClientSampleId :

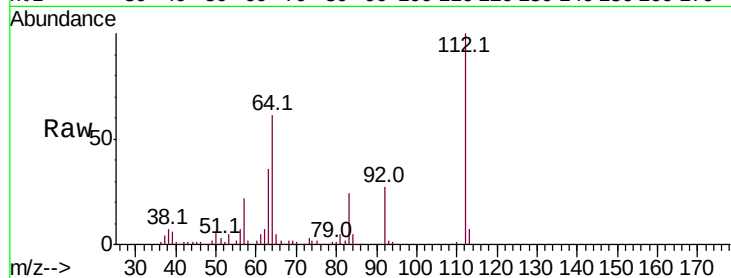
Tot Ion:112 Resp: 202515

Ion Ratio Lower Upper

112 100

64 60.9 50.6 75.8

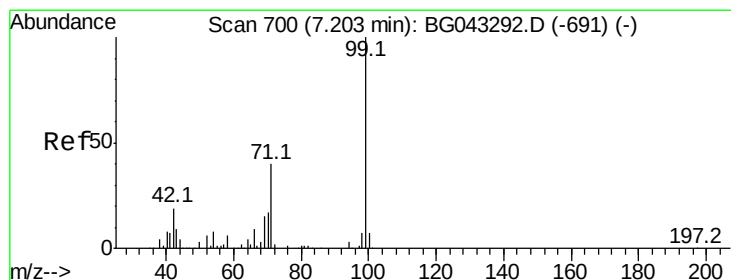
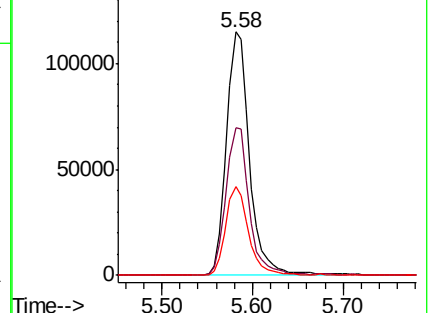
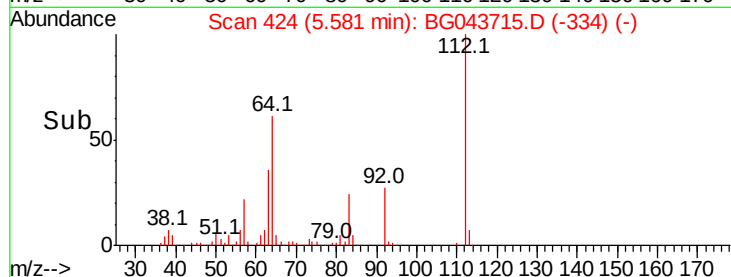
63 36.4 30.5 45.7



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: 124.855 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

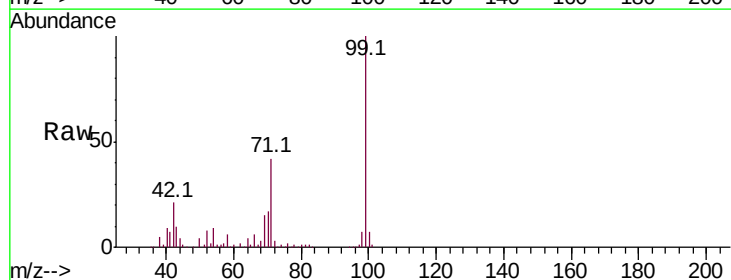
Tgt Ion: 99 Resp: 263791

Ion Ratio Lower Upper

99 100

42 21.2 15.8 23.8

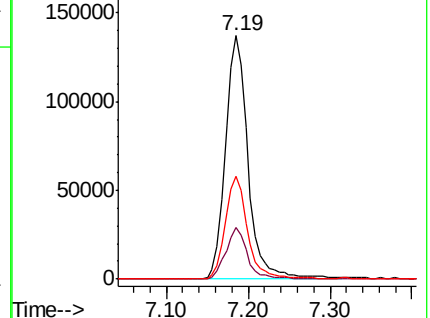
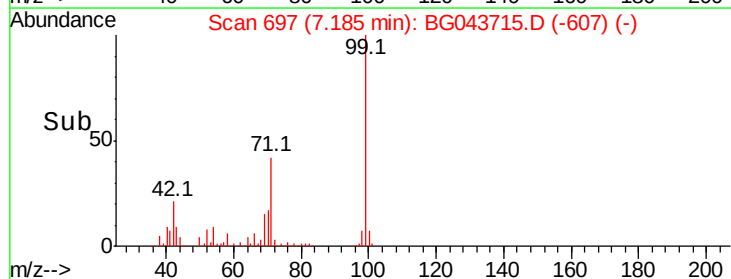
71 42.2 34.4 51.6

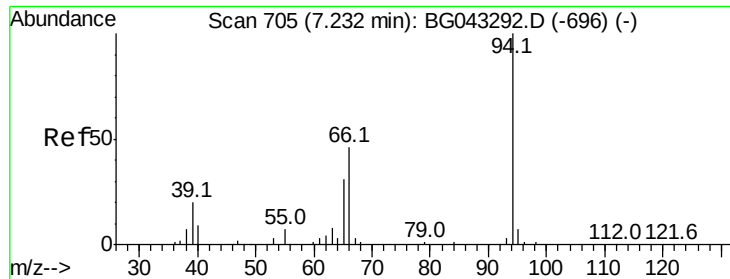


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.264 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

Instrument :

BNA_G

ClientSampled :

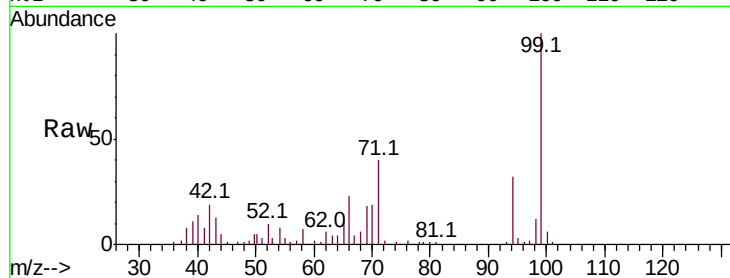
Tot Ion: 94 Resp: 14025

Ion Ratio Lower Upper

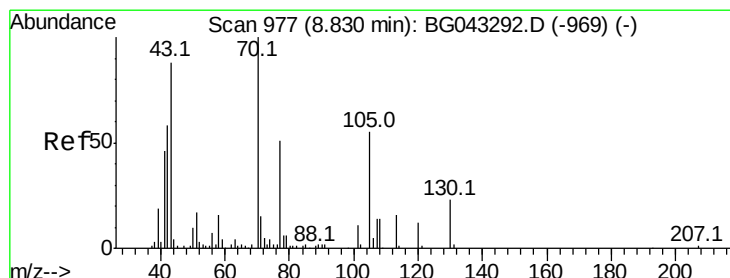
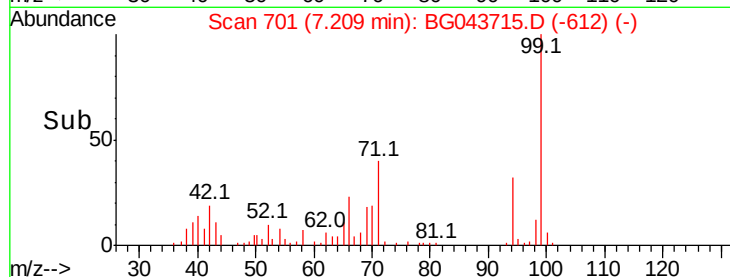
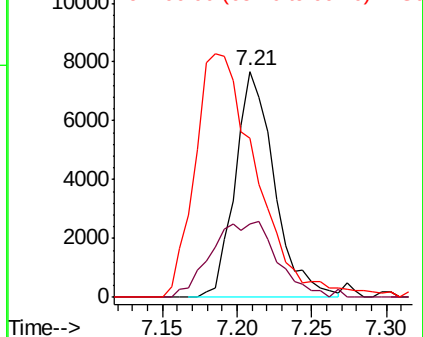
94 100

65 32.6 11.4 51.4

66 70.6 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: 17.649 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

Tgt Ion: 70 Resp: 24095

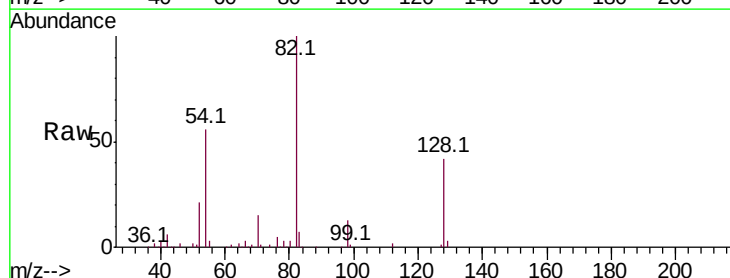
Ion Ratio Lower Upper

70 100

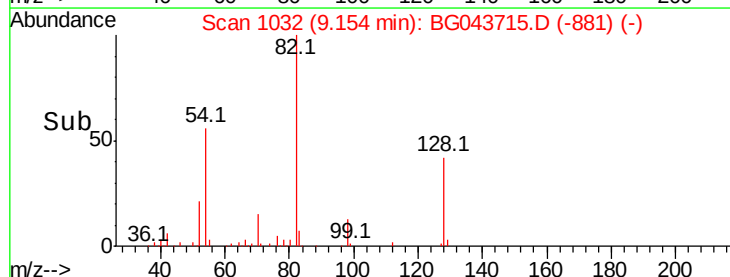
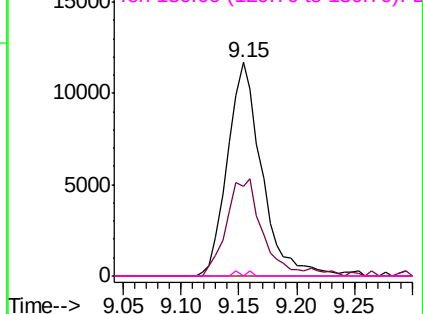
42 41.7 49.7 74.5#

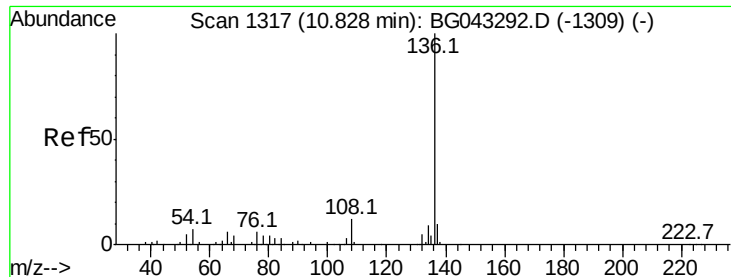
101 0.0 9.7 14.5#

130 0.0 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

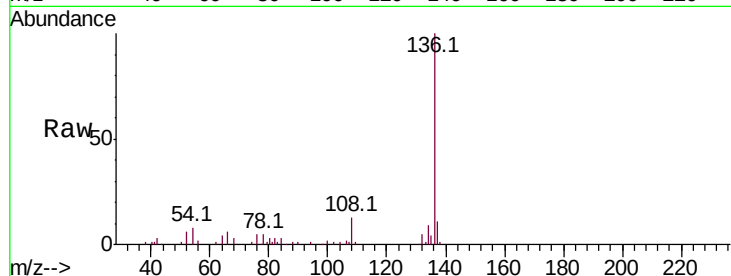




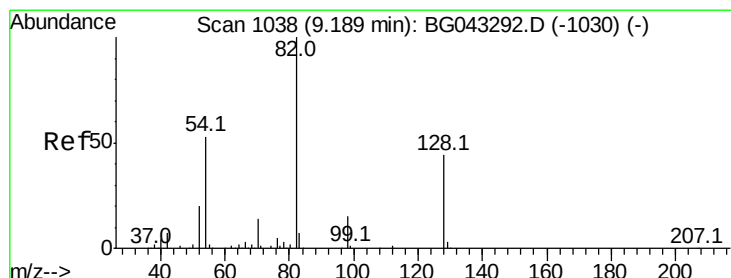
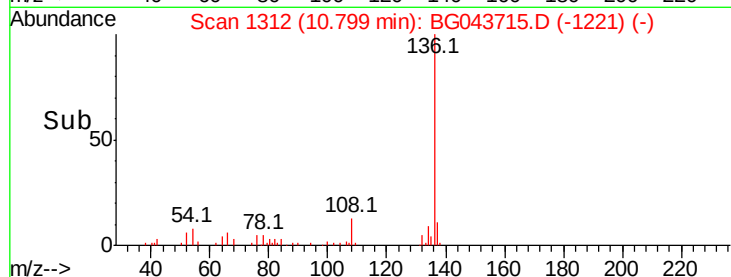
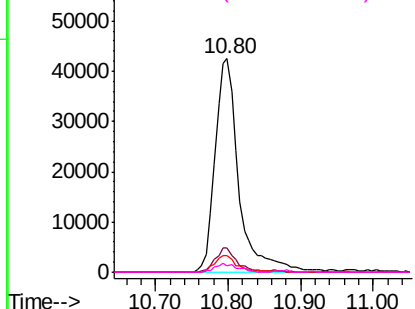
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	97680	
Ion Ratio	Lower	Upper	
136 100			
137 11.5	8.8	13.2	
54 8.0	6.2	9.2	
68 2.9	3.4	5.0#	

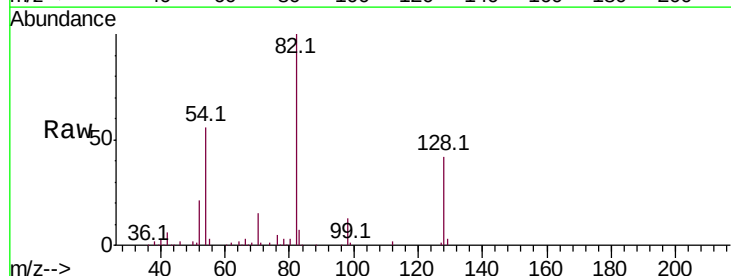


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

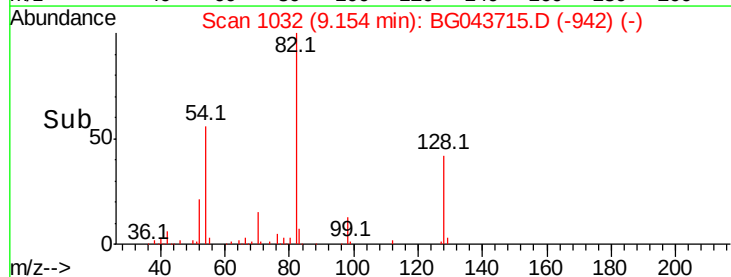
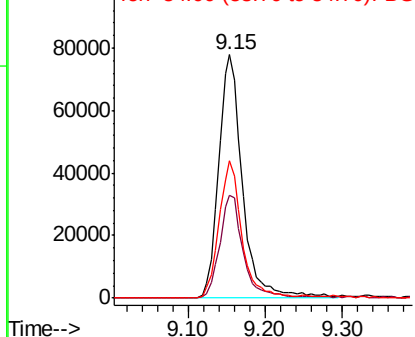


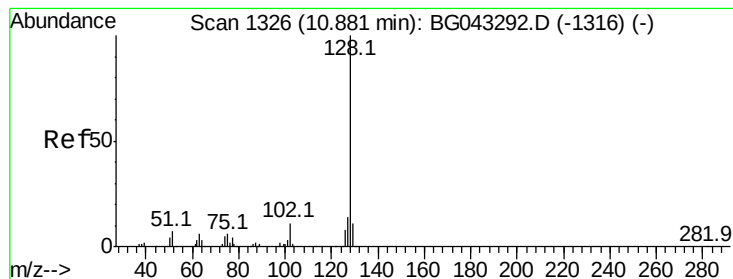
#23
Nitrobenzene-d5
Concen: 88.060 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Tgt Ion: 82	Resp: 166846
Ion Ratio	Lower Upper
82 100	
128 42.0	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





#31

Naphthalene

Concen: 2.582 ng

RT: 10.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

Instrument :

BNA_G

ClientSampleId :

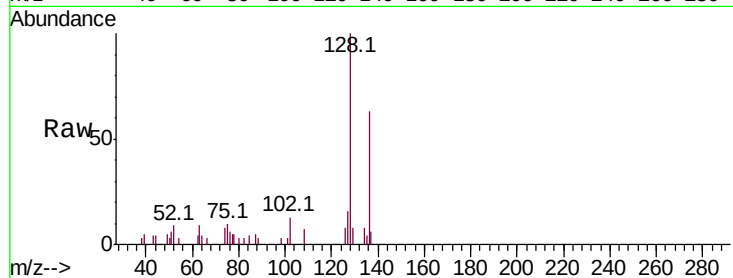
Tot Ion:128 Resp: 12800

Ion Ratio Lower Upper

128 100

129 8.5 9.5 14.3#

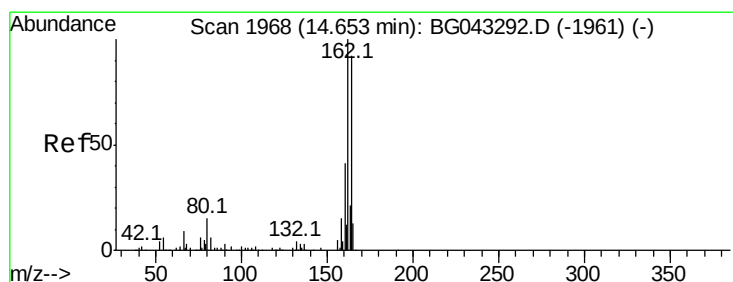
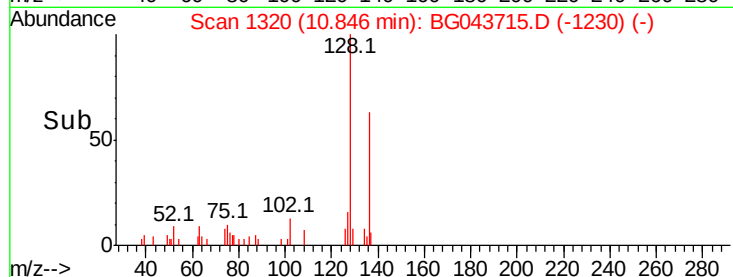
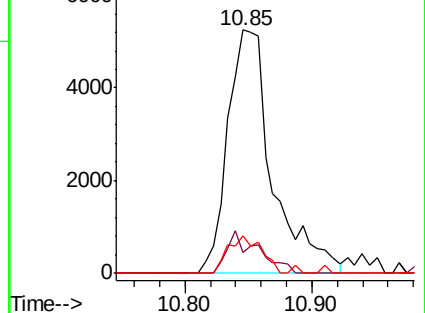
127 15.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

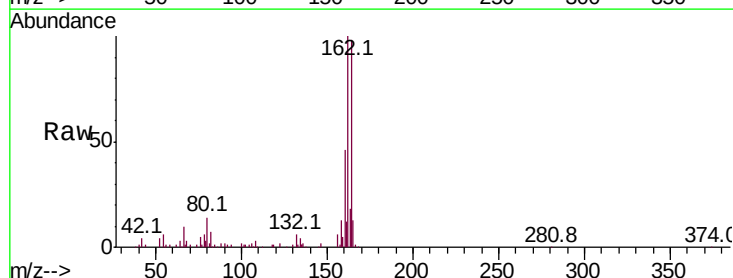
Tgt Ion:164 Resp: 71079

Ion Ratio Lower Upper

164 100

162 102.2 79.4 119.2

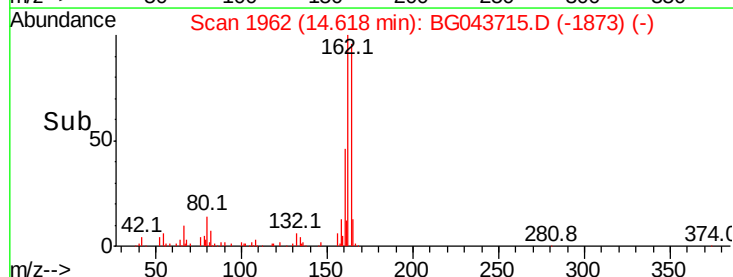
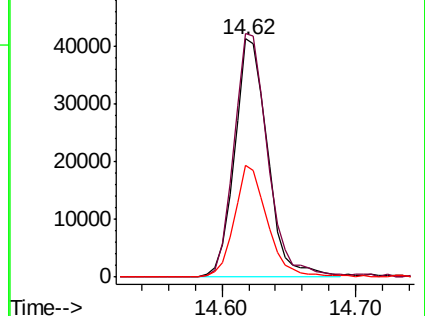
160 47.1 36.3 54.5

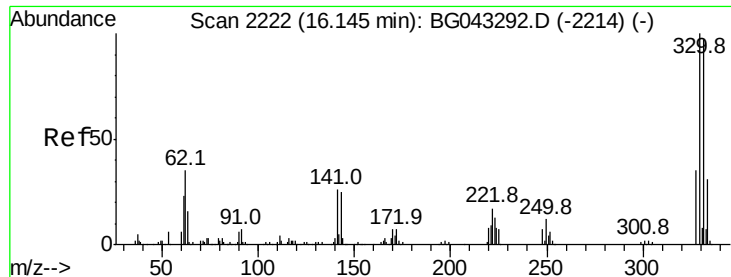


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

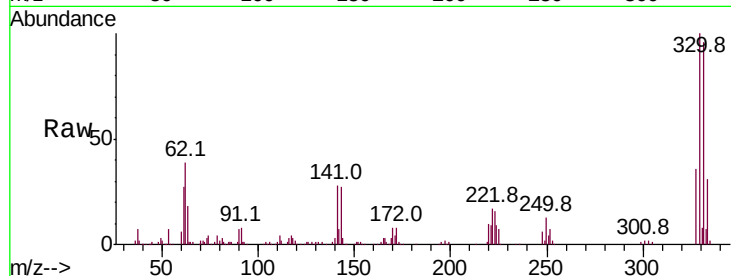




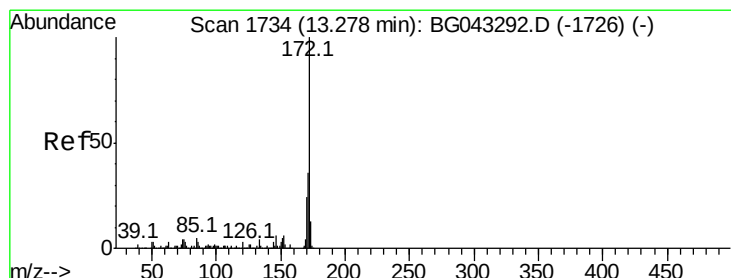
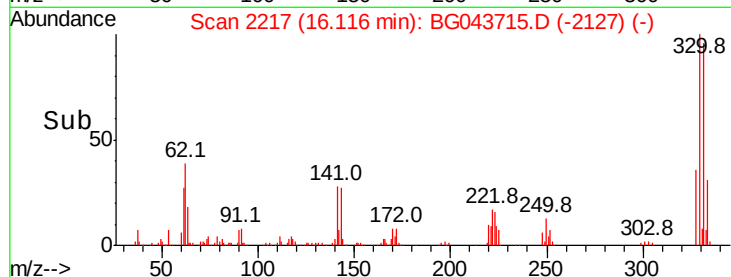
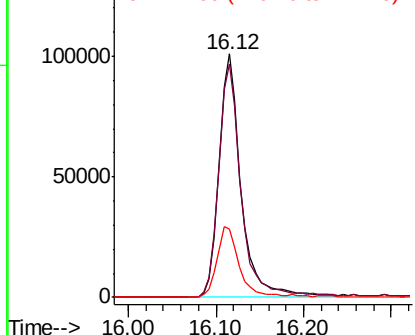
#42
 2,4,6-Tribromophenol
 Concen: 131.136 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043715.D
 Acq: 20 Nov 2019 3:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 177379
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 115.0
 141 28.9 23.4 35.2

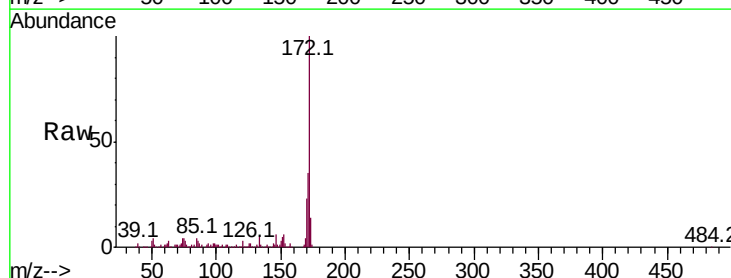


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

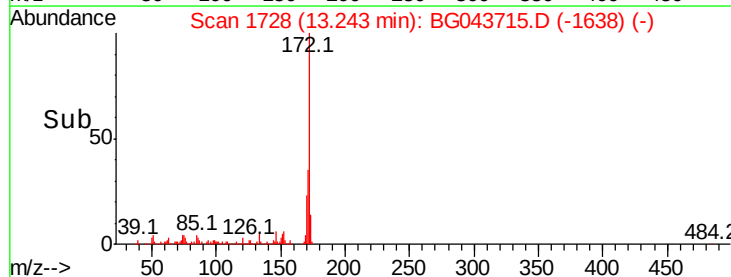
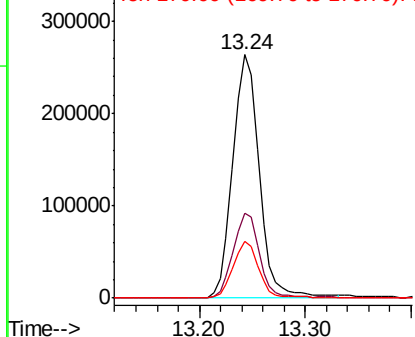


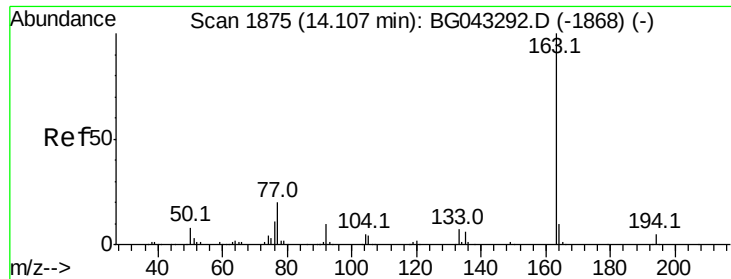
#45
 2-Fluorobiphenyl
 Concen: 88.961 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG043715.D
 Acq: 20 Nov 2019 3:22

Tgt Ion:172 Resp: 457608
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.1 42.1
 170 23.2 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

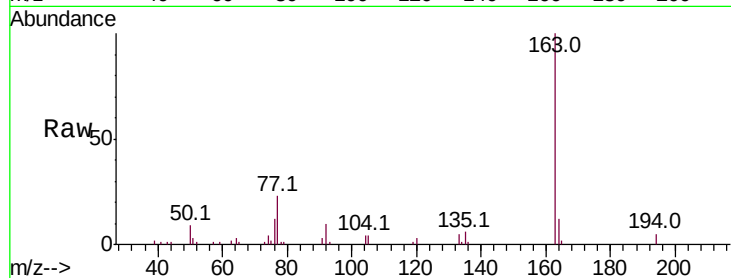




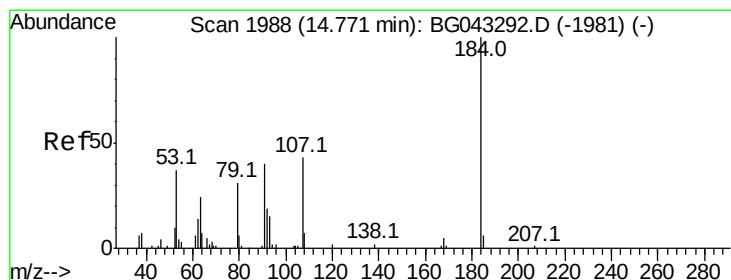
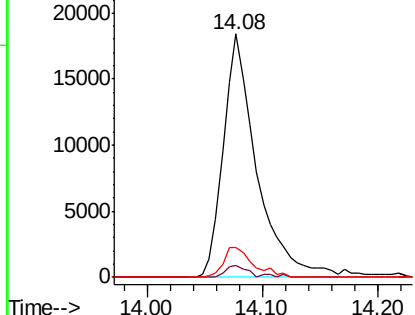
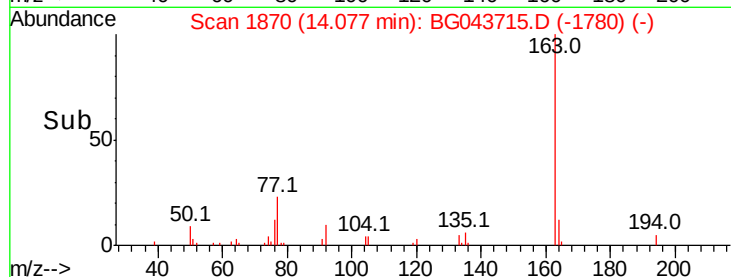
#50
Dimethylphthalate
Concen: 6.687 ng
RT: 14.08 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	12.3	8.5	12.7

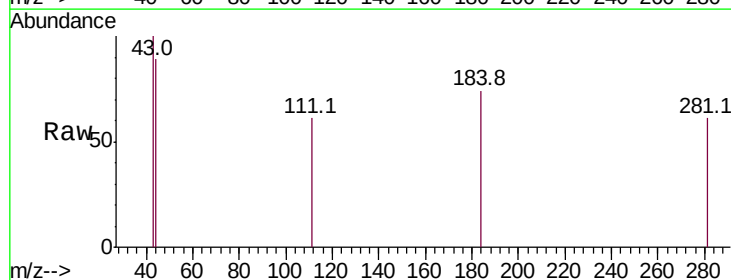


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

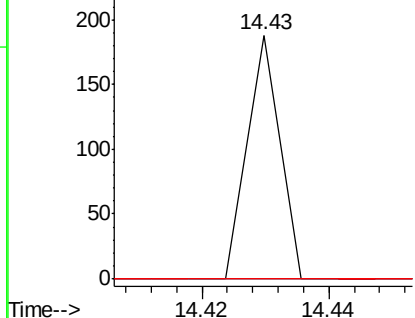
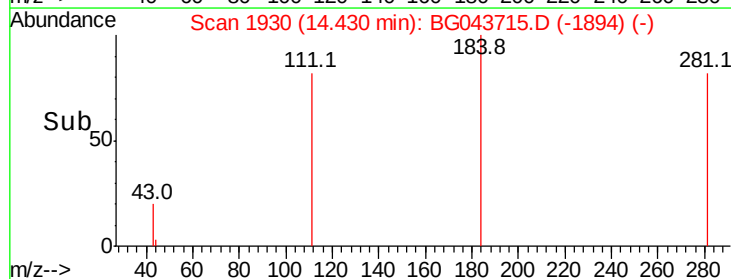


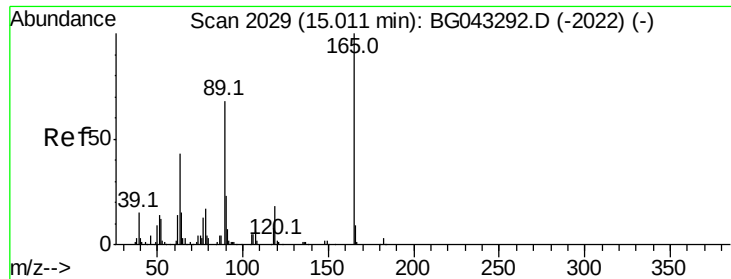
#54
2,4-Dinitrophenol
Concen: 7.363 ng
RT: 14.43 min Scan# 1930
Delta R.T. -0.32 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.0	88.4#
154	0.0	57.4	86.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.927 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.38 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 10132

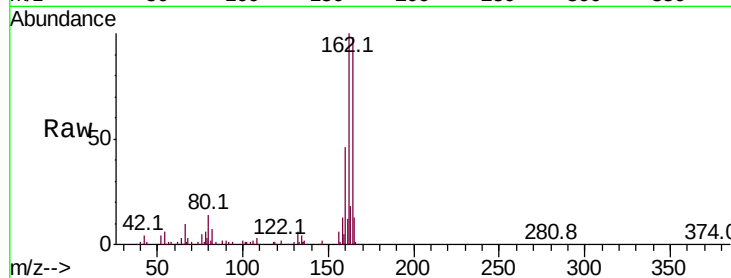
Ion Ratio Lower Upper

165 100

63 0.0 37.4 56.0#

89 0.0 50.9 76.3#

182 0.0 2.3 3.5#

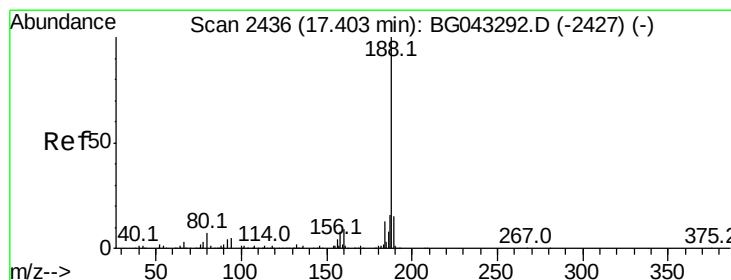
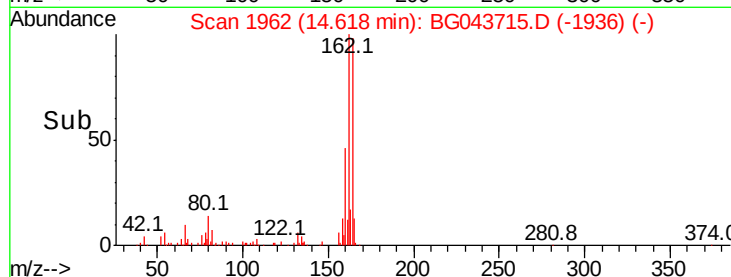
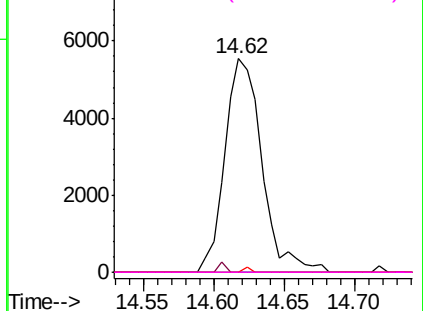


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG043715.D

Acq: 20 Nov 2019 3:22

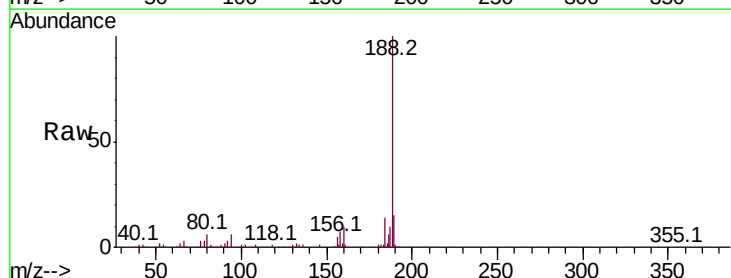
Tgt Ion:188 Resp: 189814

Ion Ratio Lower Upper

188 100

94 6.4 4.6 7.0

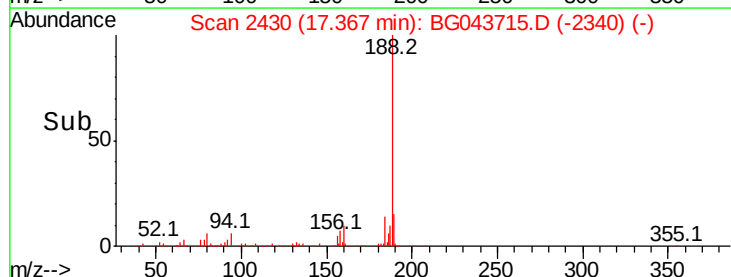
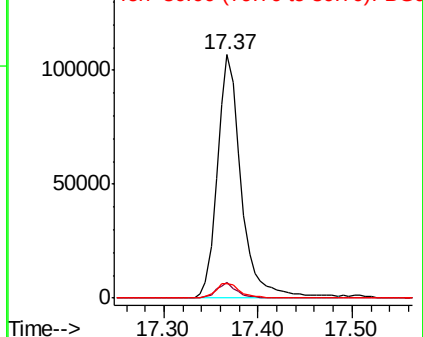
80 5.9 5.2 7.8

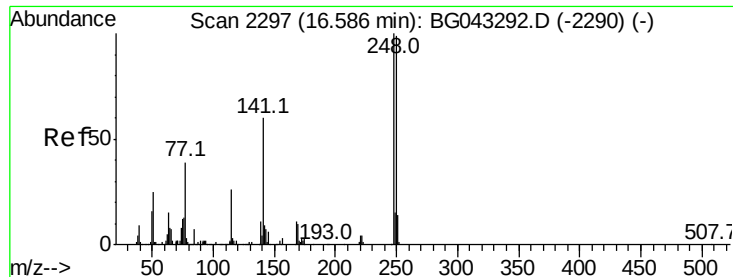


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

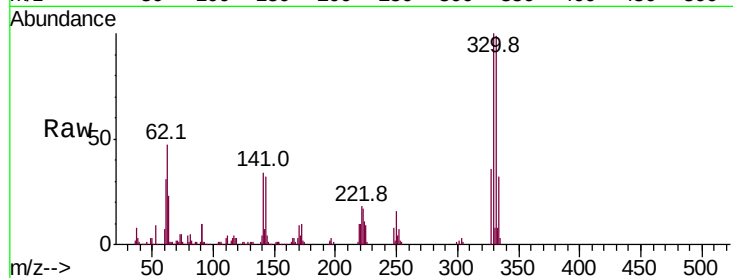




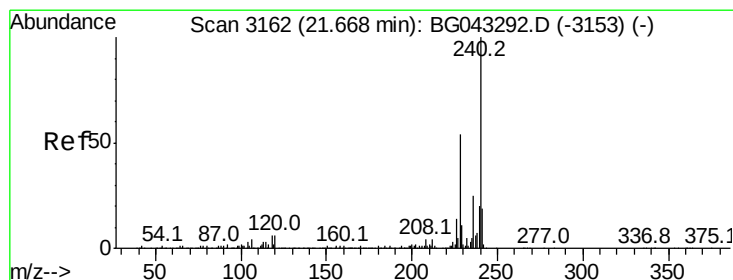
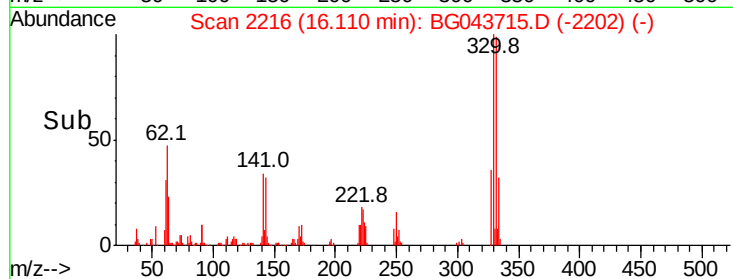
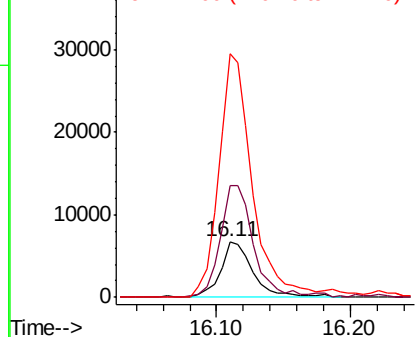
#67
4-Bromophenyl-phenylether
Concen: 4.509 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.45 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11519
Ion Ratio Lower Upper
248 100
250 201.3 76.3 114.5#
141 438.8 49.5 74.3#

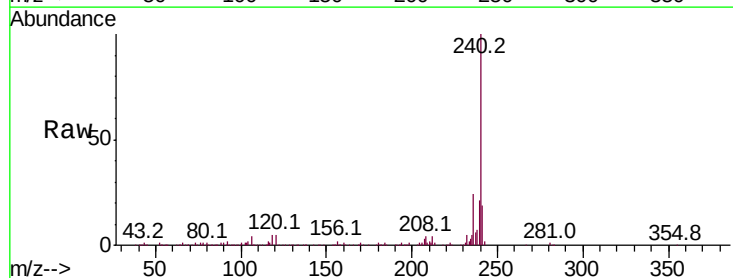


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

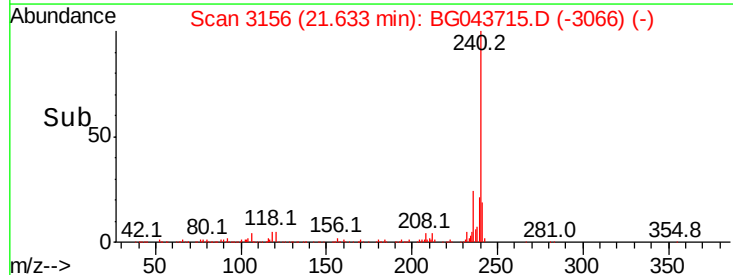
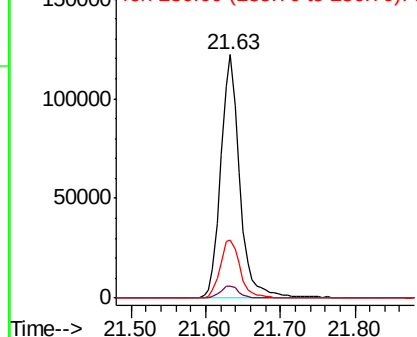


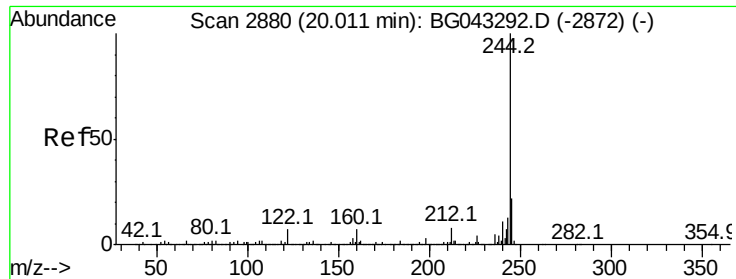
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG043715.D
Acq: 20 Nov 2019 3:22

Tgt Ion:240 Resp: 215736
Ion Ratio Lower Upper
240 100
120 4.8 4.9 7.3#
236 24.0 21.4 32.0



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



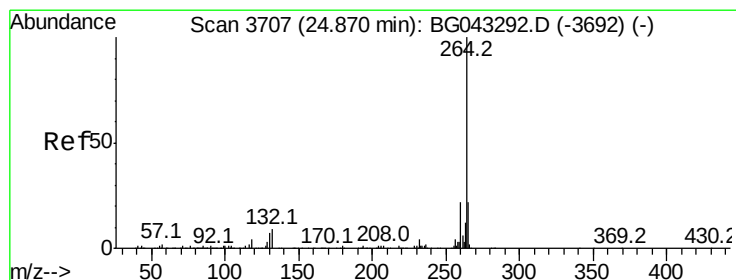
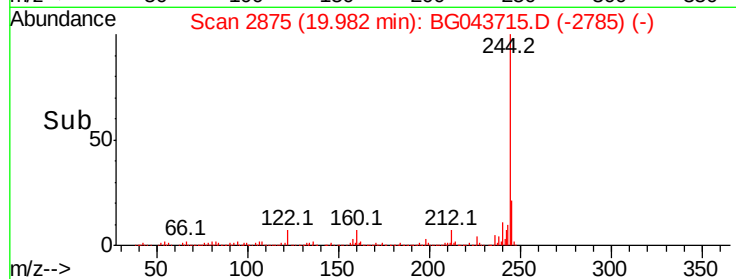
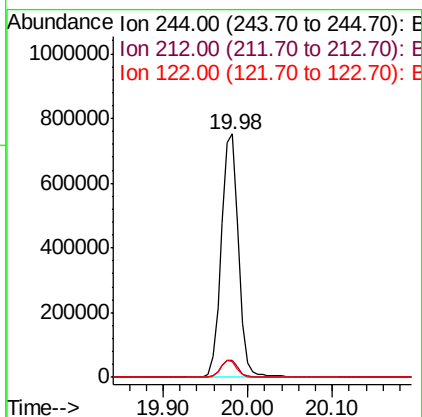
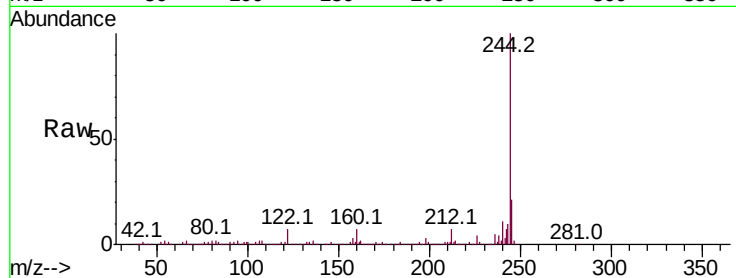


#79
 Terphenyl-d14
 Concen: 92.337 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. 0.00 min
 Lab File: BG043715.D
 Acq: 20 Nov 2019 3:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1061819

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.6	5.2	7.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: BG043715.D
 Acq: 20 Nov 2019 3:22

Tgt Ion:264 Resp: 248167

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	23.8	15.8	23.8#

