

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043458.D
 Acq On : 1 Nov 2019 8:01
 Operator : JU
 Sample : K5143-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 09:03:42 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	8.02	152	41282	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	152359	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	113175	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	271845	20.00	ng	0.00
76) Chrysene-d12	21.66	240	283402	20.00	ng	0.00
87) Perylene-d12	24.86	264	333884	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	296928	131.80	ng	0.00
7) Phenol-d6	7.21	99	424862	131.08	ng	0.00
23) Nitrobenzene-d5	9.18	82	250503	84.76	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	277765	128.97	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	678272	82.81	ng	0.00
79) Terphenyl-d14	20.00	244	1415460	93.70	ng	0.00

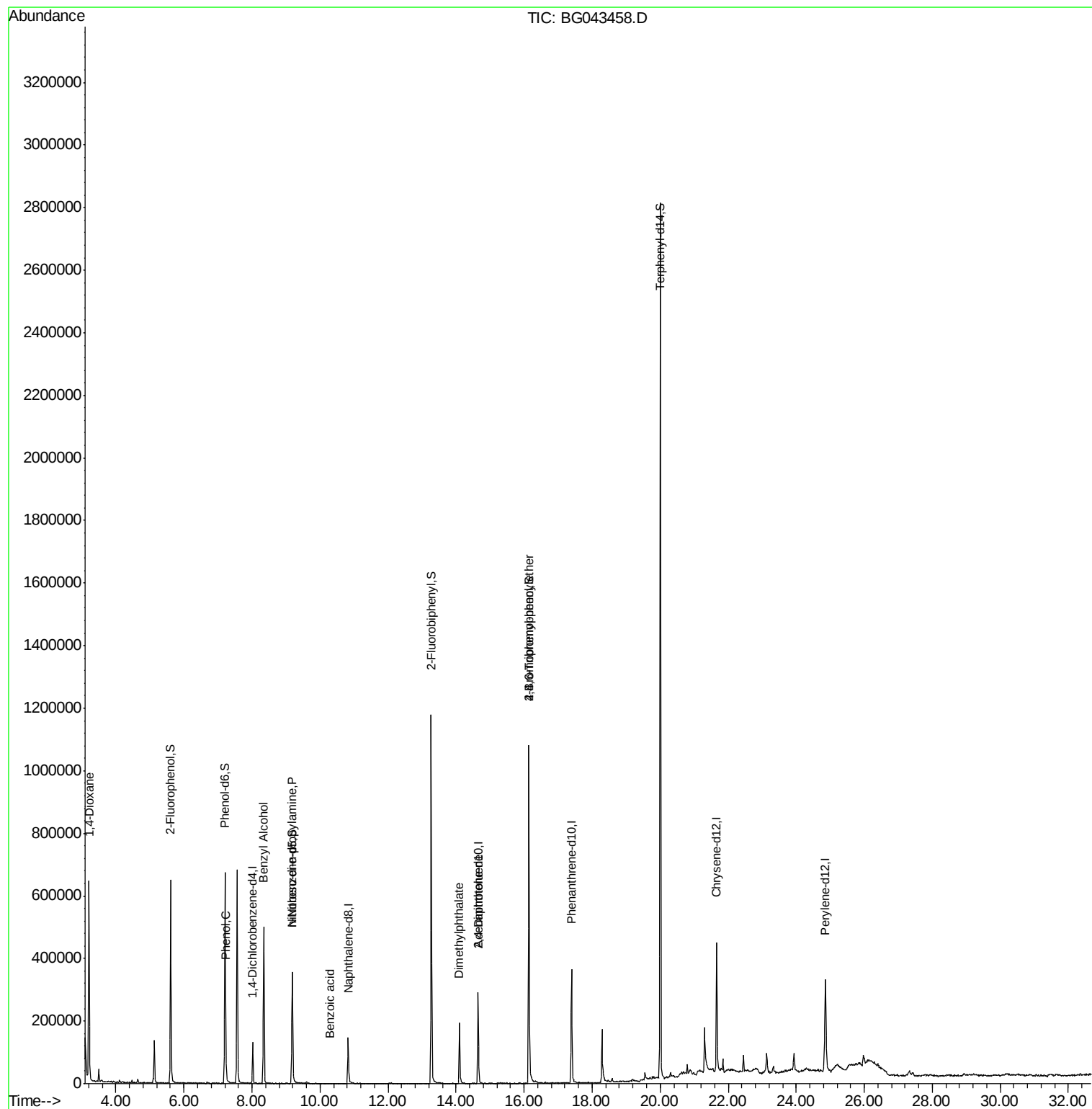
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	7772	8.853	ng	# 1
10) Phenol	7.23	94	19648	6.634	ng	# 84
15) Benzyl Alcohol	8.34	79	4842	2.127	ng	# 71
19) n-Nitroso-di-n-propylamine	9.19	70	34899	16.663	ng	# 74
32) Benzoic acid	10.30	122	55	9.079	ng	# 1
50) Dimethylphthalate	14.10	163	149821	17.091	ng	# 99
57) 2,4-Dinitrotoluene	14.64	165	15511	5.699	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	17840	4.876	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: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

Instrument :

BNA_G

ClientSampleId :

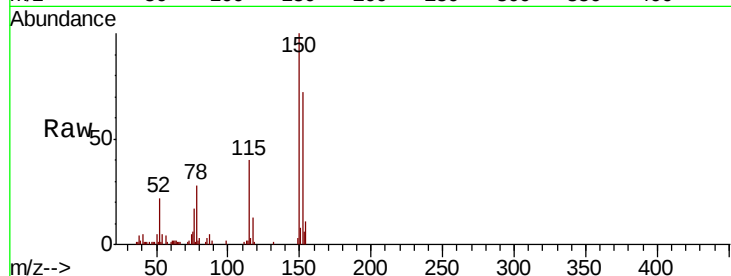
Tot Ion:152 Resp: 41282

Ion Ratio Lower Upper

152 100

150 139.6 113.6 170.4

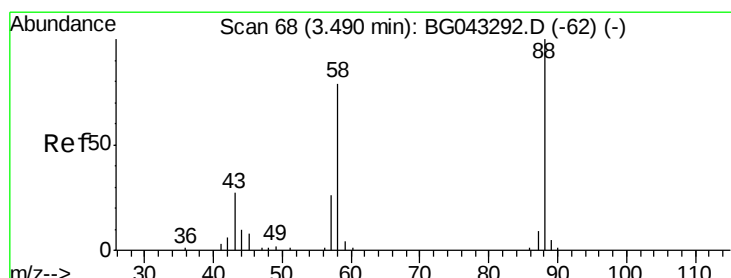
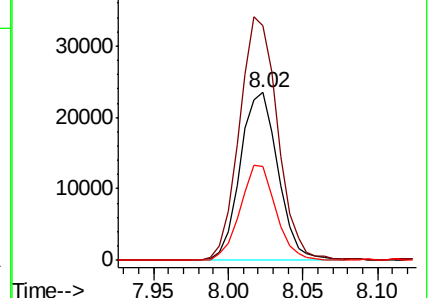
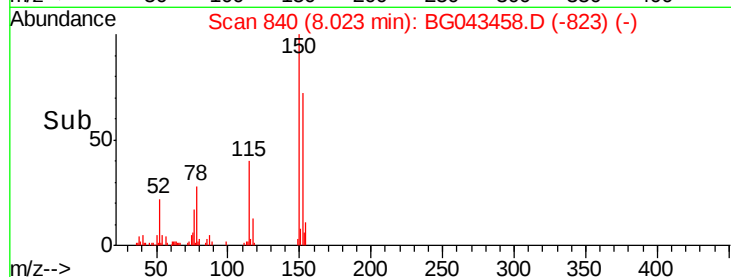
115 55.6 45.9 68.9



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: 8.853 ng

RT: 3.21 min Scan# 21

Delta R.T. -0.28 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

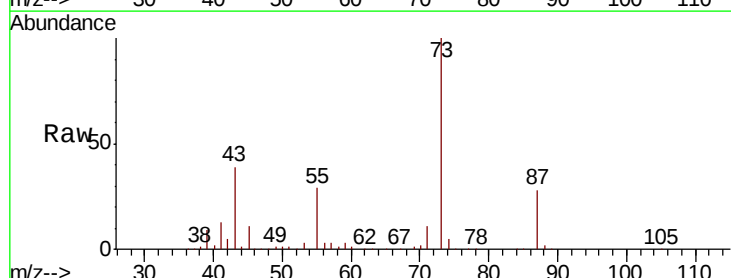
Tgt Ion: 88 Resp: 7772

Ion Ratio Lower Upper

88 100

58 52.0 60.2 90.2#

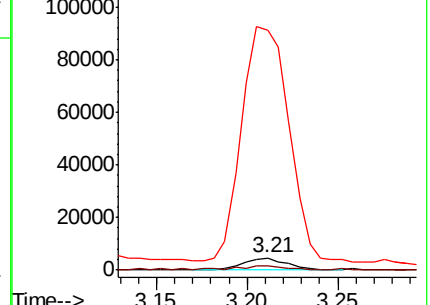
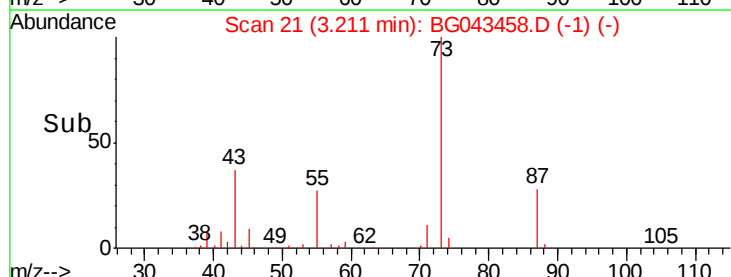
43 2092.6 22.7 34.1#

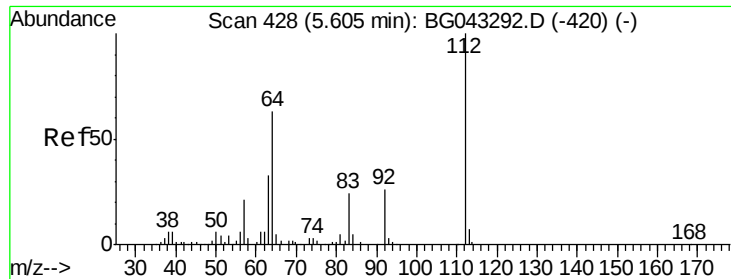


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.802 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

Instrument :

BNA_G

ClientSampled :

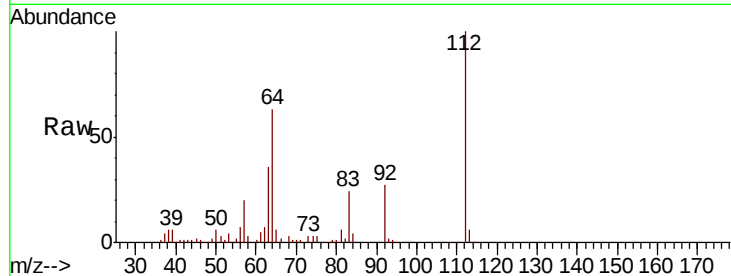
Tot Ion:112 Resp: 296928

Ion Ratio Lower Upper

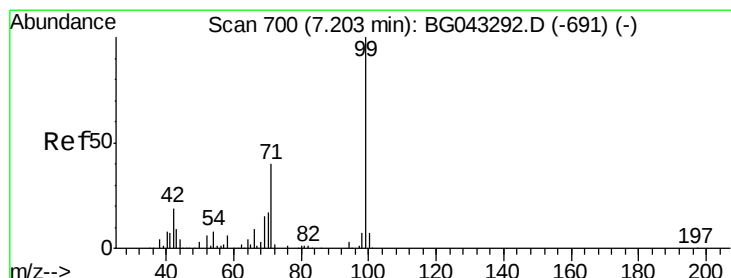
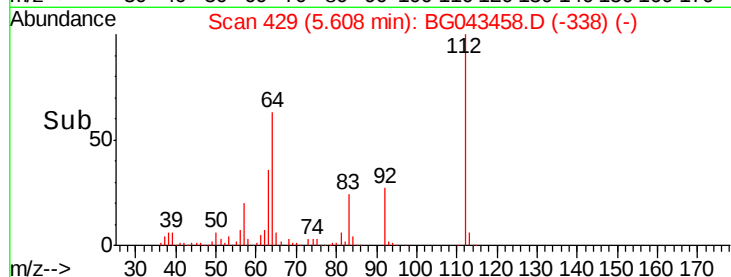
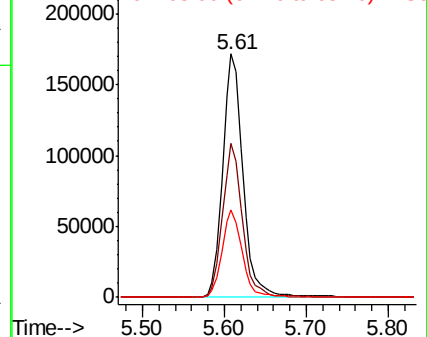
112 100

64 63.2 50.2 75.2

63 36.0 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: 131.078 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

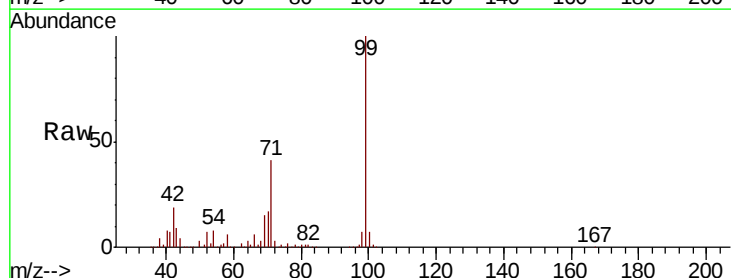
Tgt Ion: 99 Resp: 424862

Ion Ratio Lower Upper

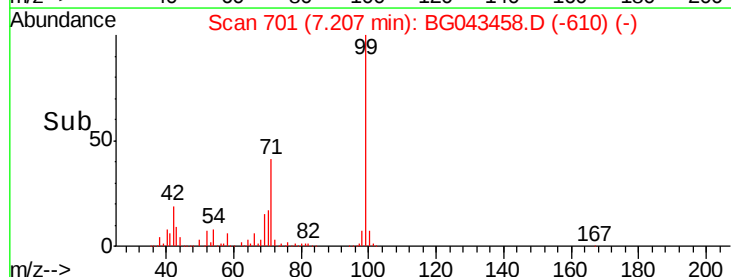
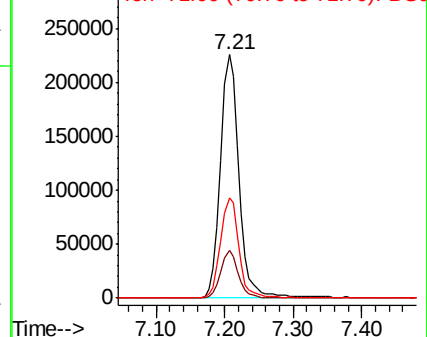
99 100

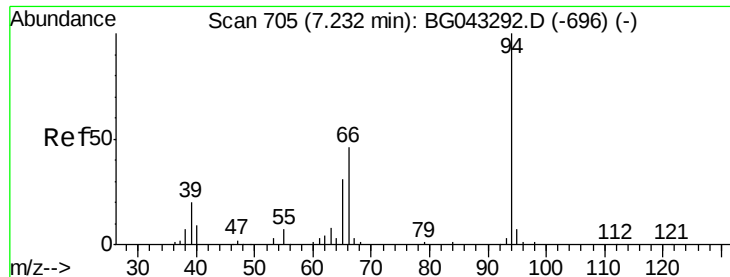
42 19.5 14.9 22.3

71 41.0 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





#10

Phenol

Concen: 6.634 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

Instrument :

BNA_G

ClientSampleId :

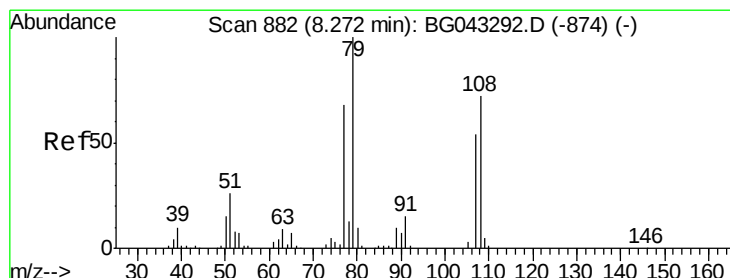
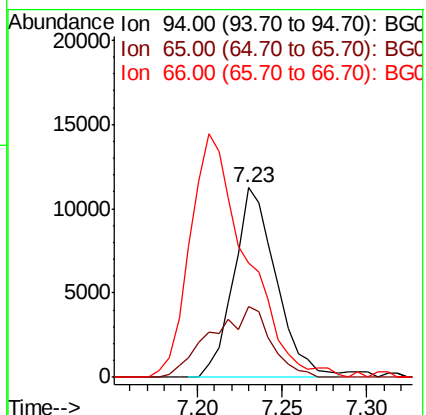
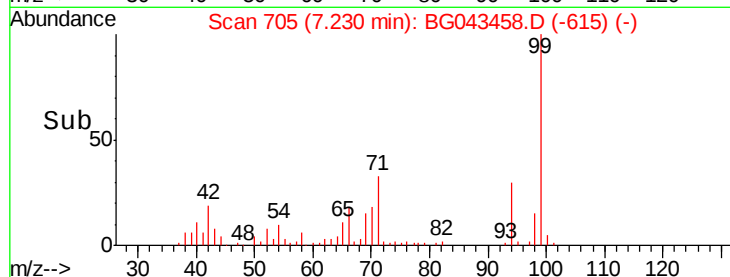
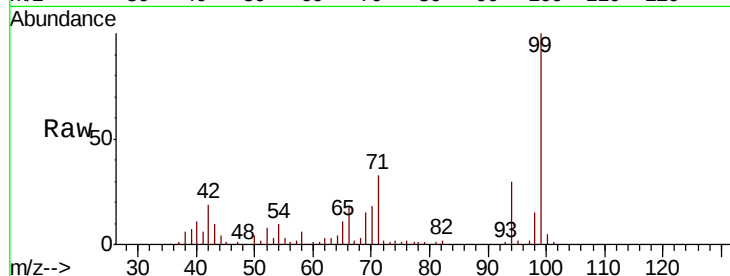
Tot Ion: 94 Resp: 19648

Ion Ratio Lower Upper

94 100

65 37.7 11.1 51.1

66 60.0 27.8 67.8



#15

Benzyl Alcohol

Concen: 2.127 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

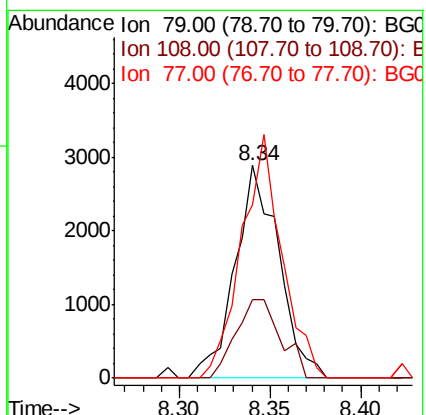
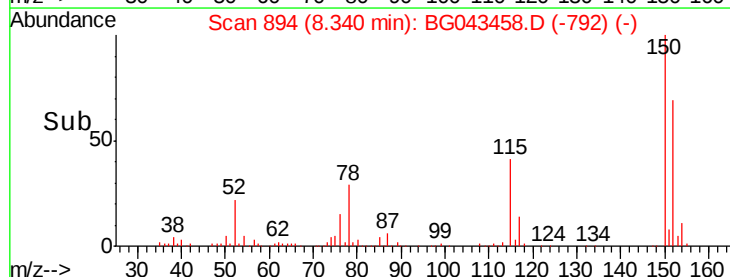
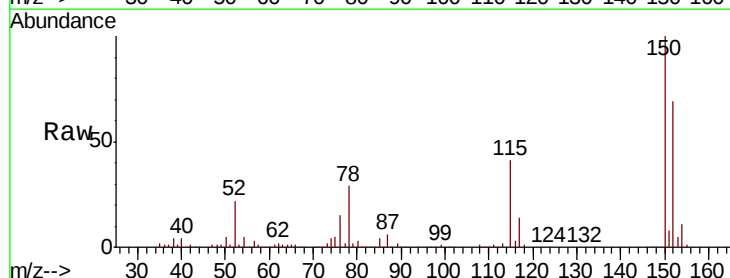
Tgt Ion: 79 Resp: 4842

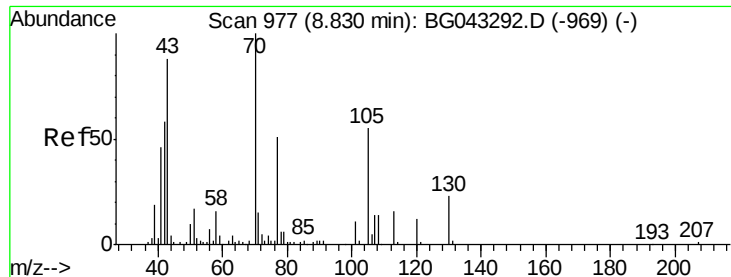
Ion Ratio Lower Upper

79 100

108 37.0 57.3 85.9#

77 81.5 54.6 81.8

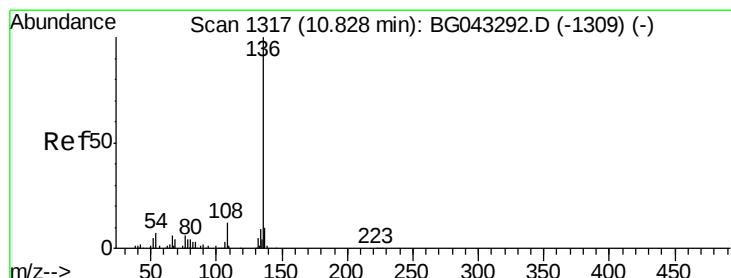
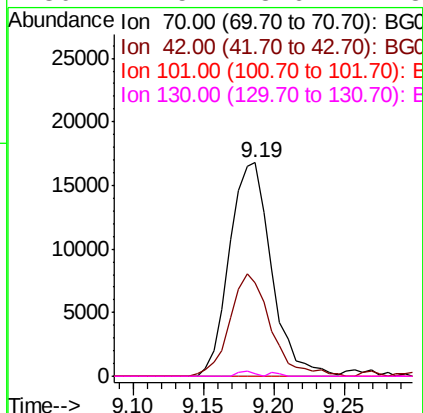
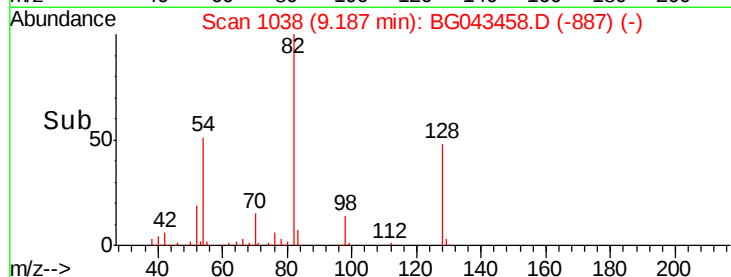
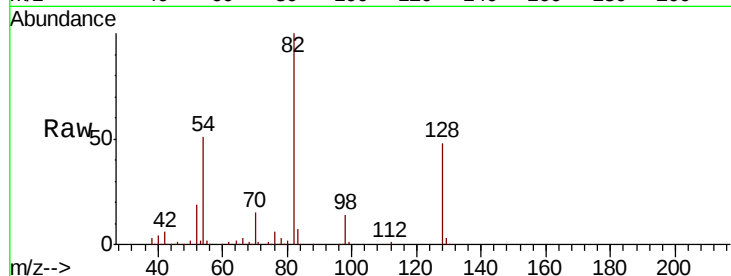




#19
n-Nitroso-di-n-propylamine
Concen: 16.663 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

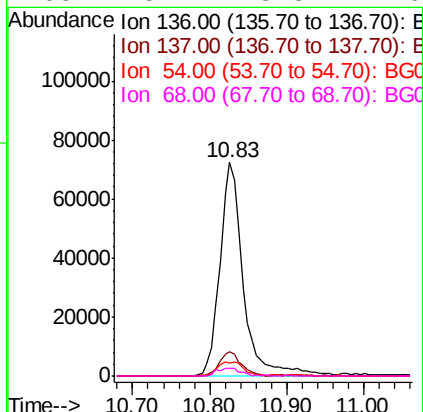
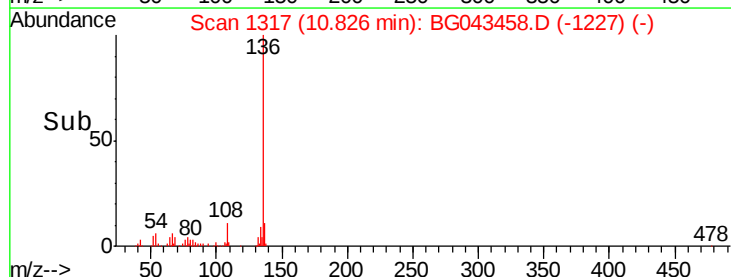
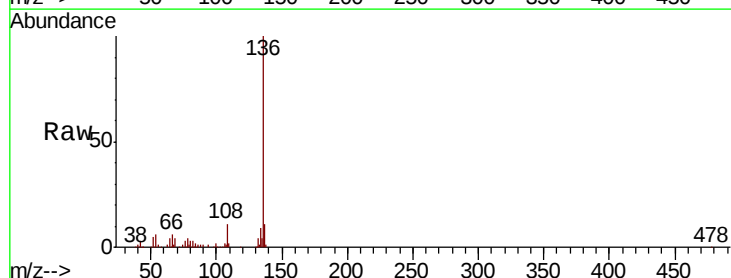
Instrument :
BNA_G
ClientSampleId :

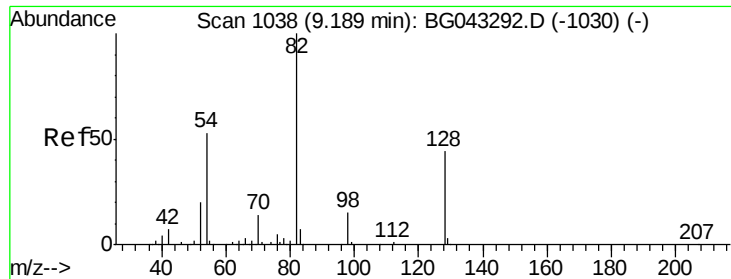
Tot Ion: 70 Resp: 34899
Ion Ratio Lower Upper
70 100
42 43.9 46.2 69.2#
101 0.0 8.6 13.0#
130 1.5 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

Tgt Ion:136 Resp: 152359
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 6.2 5.4 8.2
68 3.7 3.3 4.9

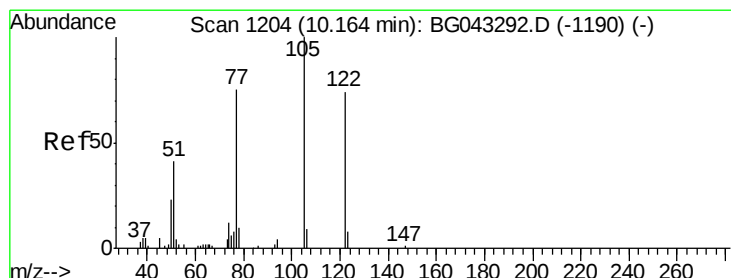
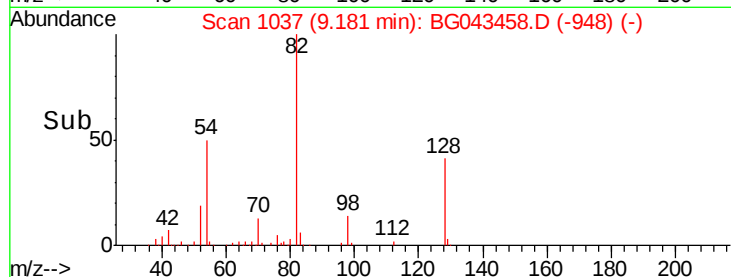
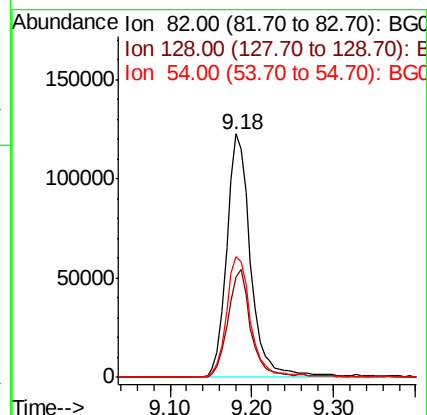
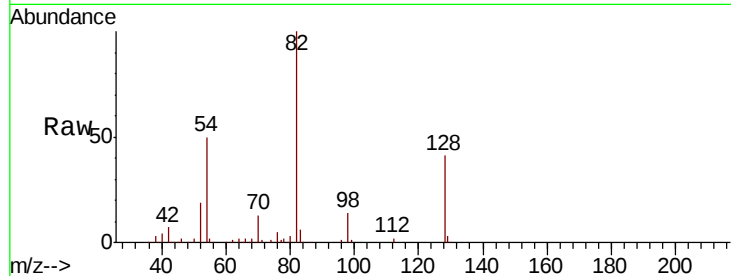




#23
Nitrobenzene-d5
Concen: 84.764 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

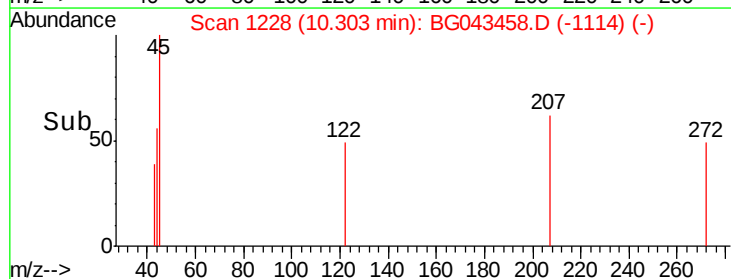
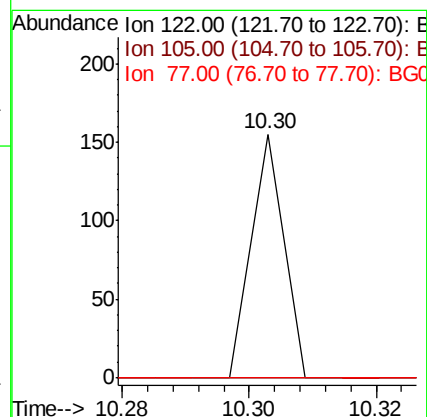
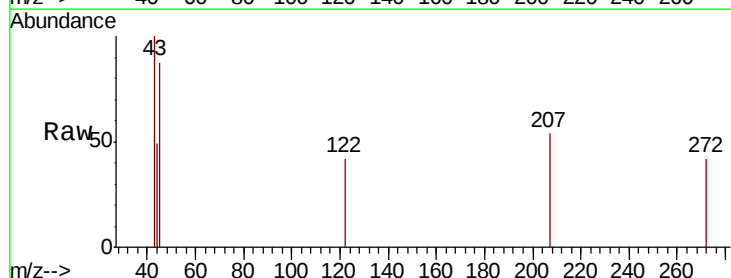
Instrument :
BNA_G
ClientSampleId :

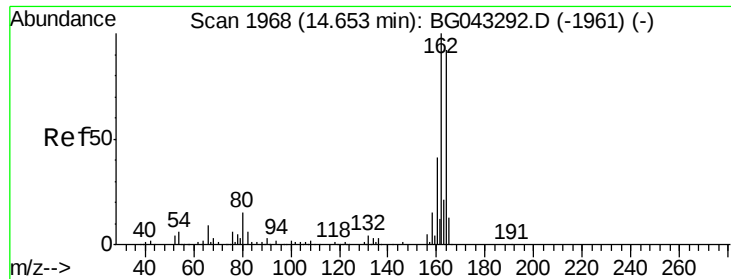
Tot Ion: 82 Resp: 250503
Ion Ratio Lower Upper
82 100
128 41.0 35.3 52.9
54 49.5 42.3 63.5



#32
Benzoic acid
Concen: 9.079 ng
RT: 10.30 min Scan# 1228
Delta R.T. 0.14 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
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# 1968

Delta R.T. -0.00 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

Instrument :

BNA_G

ClientSampleId :

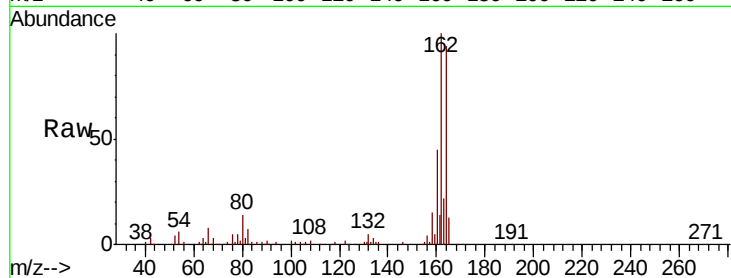
Tot Ion:164 Resp: 113175

Ion Ratio Lower Upper

164 100

162 106.2 87.0 130.4

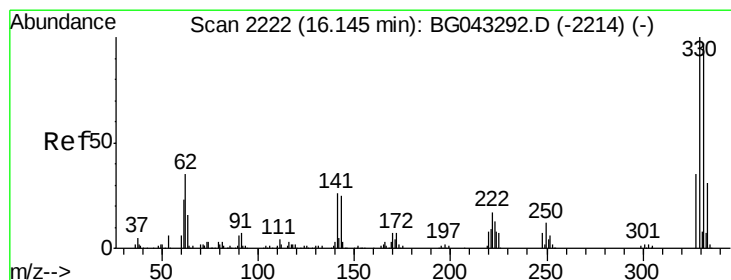
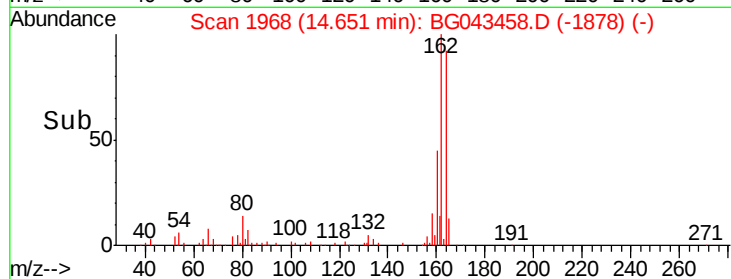
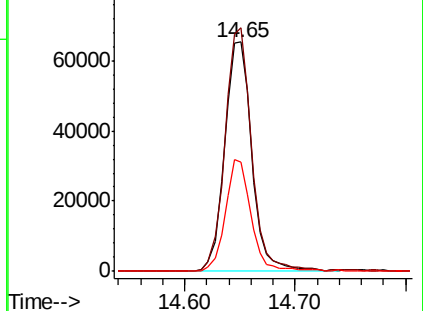
160 47.8 35.5 53.3



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: 128.970 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

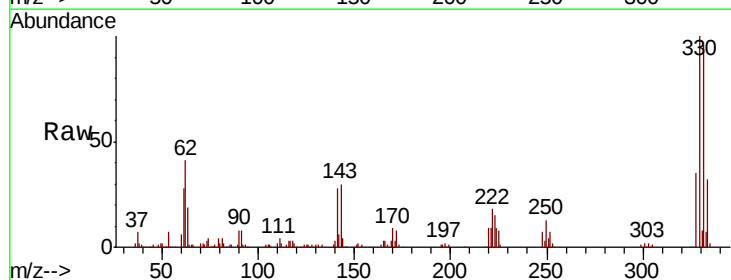
Tgt Ion:330 Resp: 277765

Ion Ratio Lower Upper

330 100

332 98.1 76.4 114.6

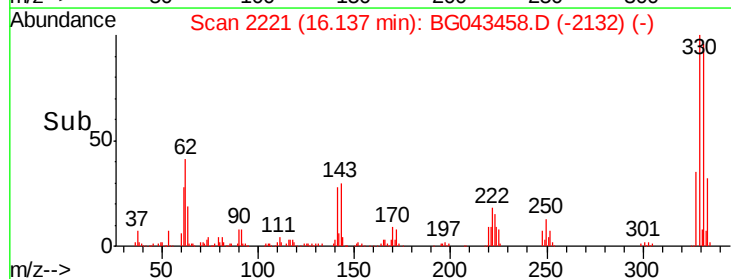
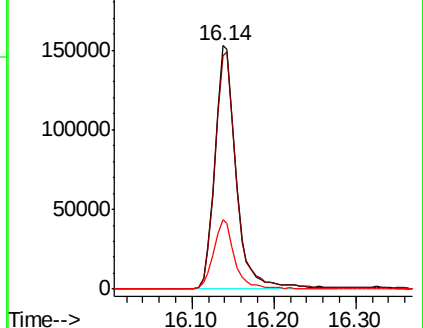
141 27.8 21.4 32.0

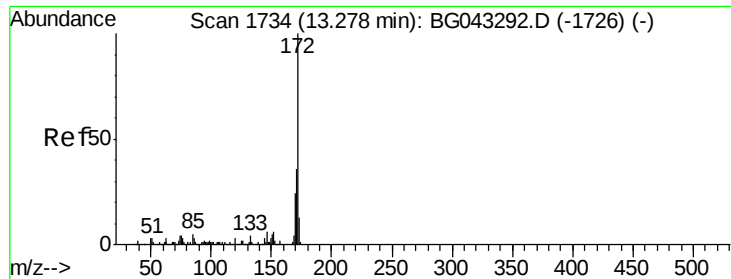


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

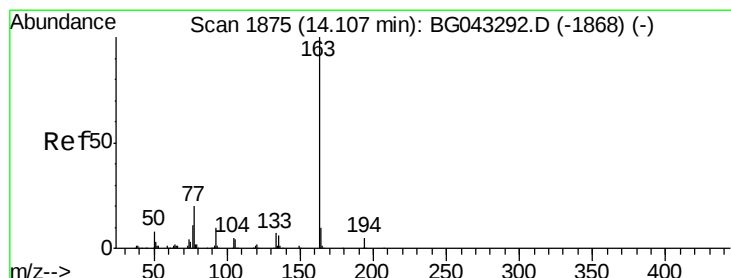
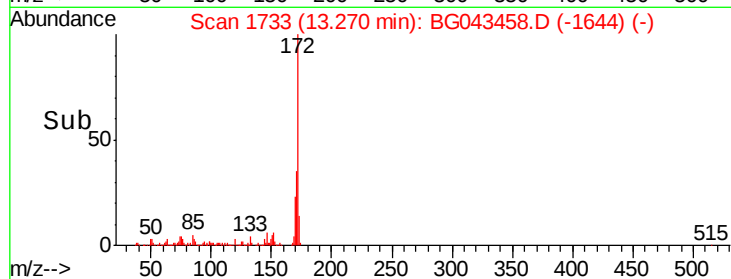
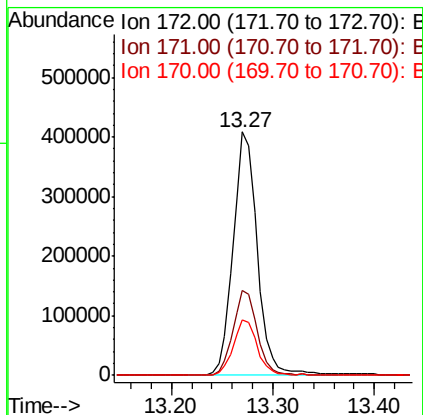
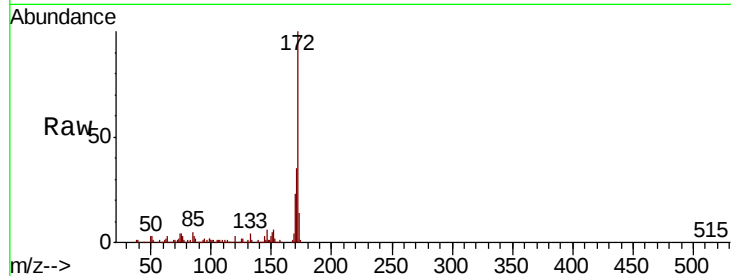




#45
2-Fluorobiphenyl
Concen: 82.813 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

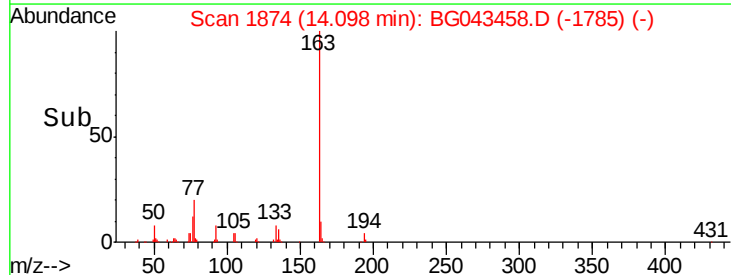
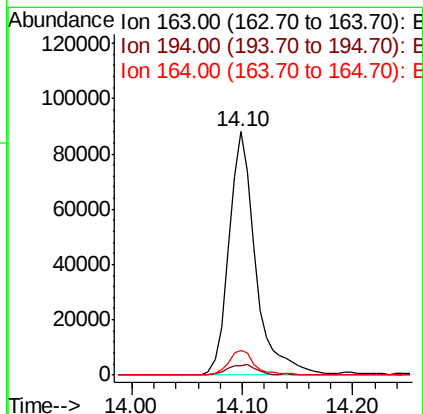
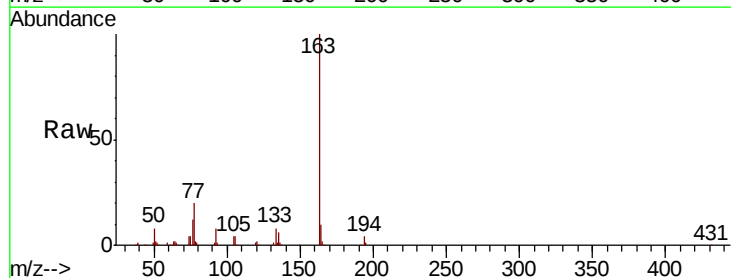
Instrument :
BNA_G
ClientSampleId :

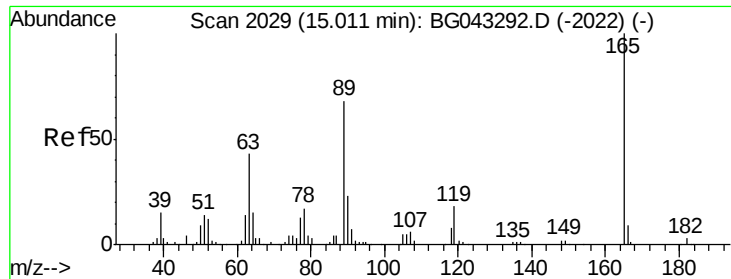
Tot Ion:172 Resp: 678272
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 22.9 18.8 28.2



#50
Dimethylphthalate
Concen: 17.091 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

Tgt Ion:163 Resp: 149821
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 10.3 8.1 12.1

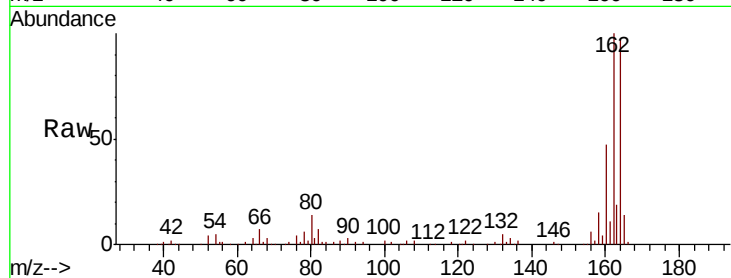




#57
 2,4-Dinitrotoluene
 Concen: 5.699 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043458.D
 Acq: 1 Nov 2019 8:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	2.9	54.1	81.1#
182	0.0	2.2	3.2#

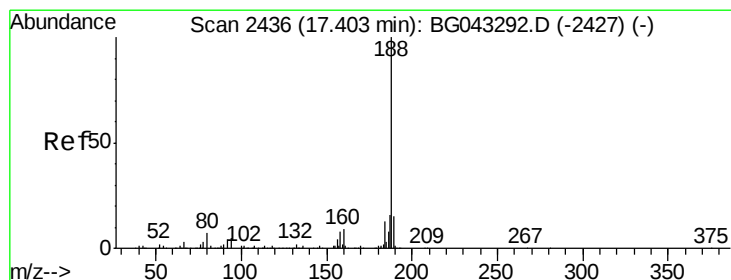
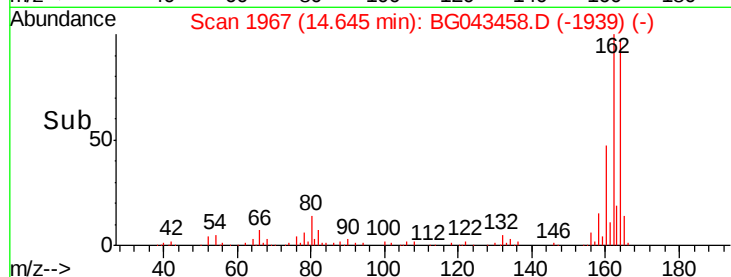
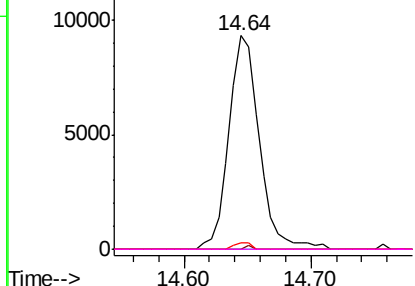


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

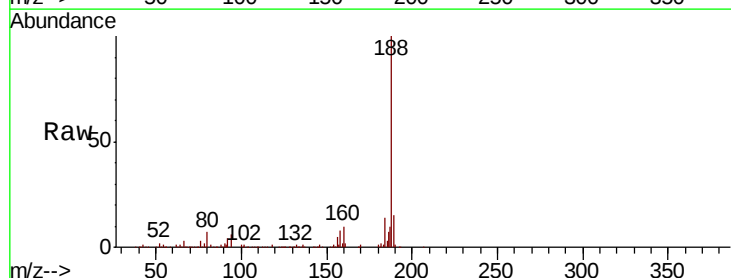
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043458.D
 Acq: 1 Nov 2019 8:01

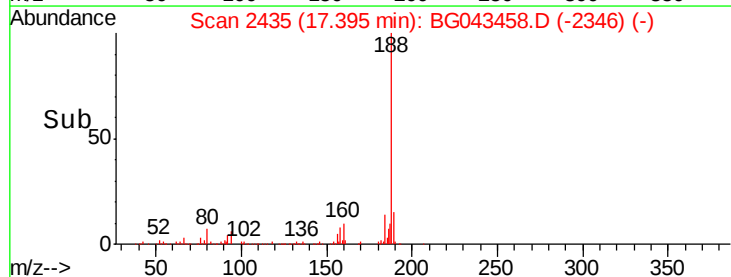
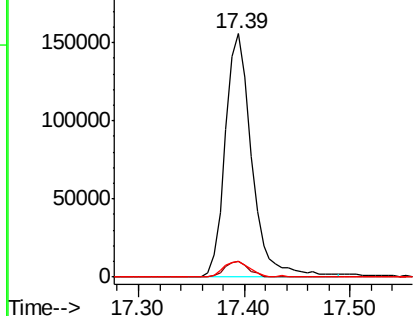
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.2	6.2#
80	6.7	5.2	7.8

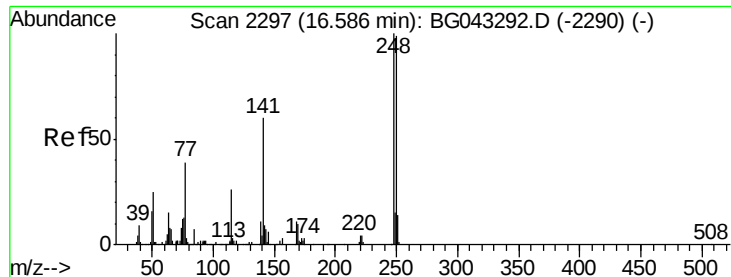


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

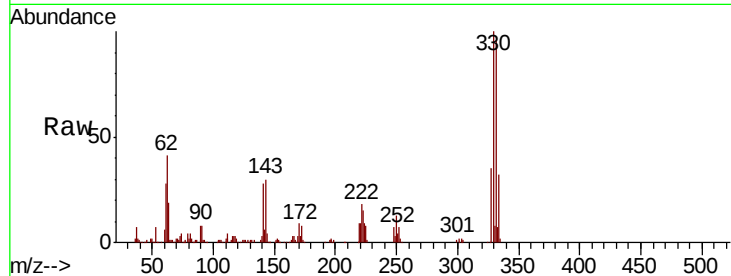




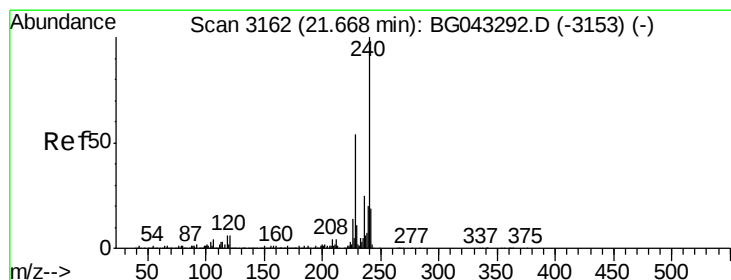
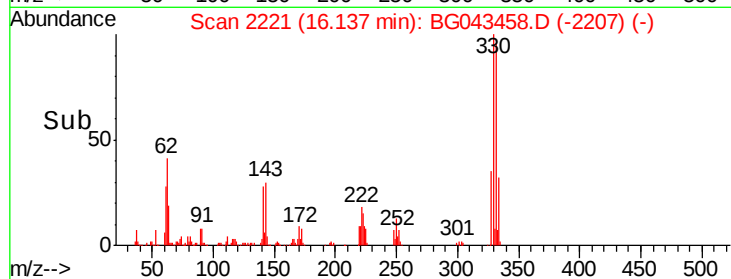
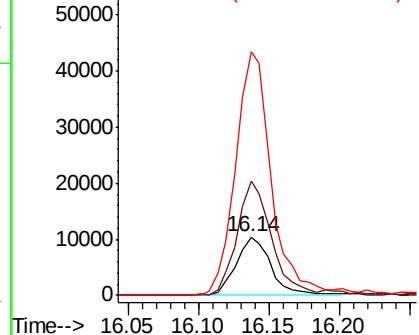
#67
4-Bromophenyl-phenylether
Concen: 4.876 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 17840
Ion Ratio Lower Upper
248 100
250 195.6 79.3 118.9#
141 415.6 47.9 71.9#

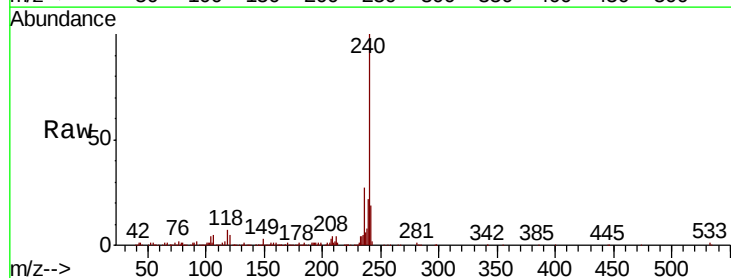


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

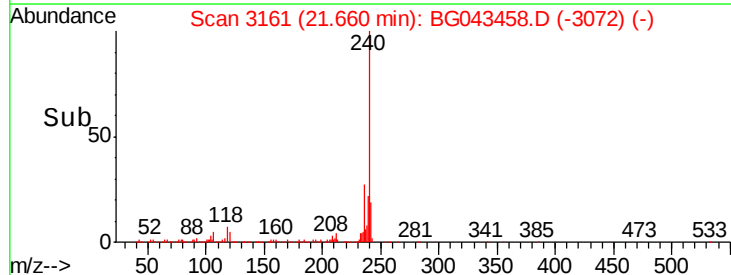
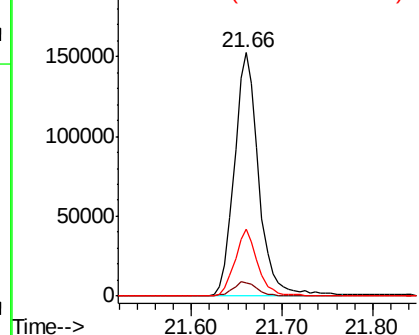


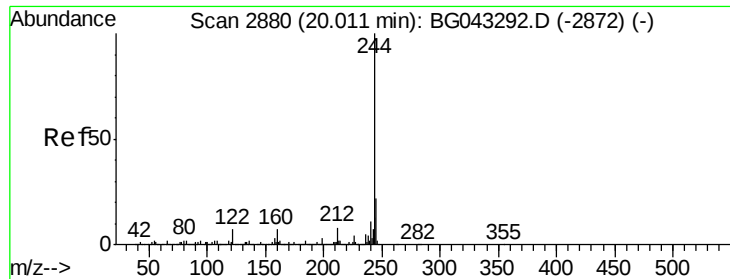
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043458.D
Acq: 1 Nov 2019 8:01

Tgt Ion:240 Resp: 283402
Ion Ratio Lower Upper
240 100
120 5.2 4.6 7.0
236 27.4 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





#79

Terphenyl-d14

Concen: 93.700 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

Instrument :

BNA_G

ClientSampled :

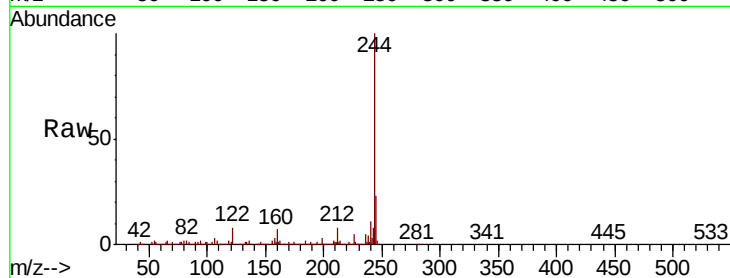
Tot Ion:244 Resp: 1415460

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

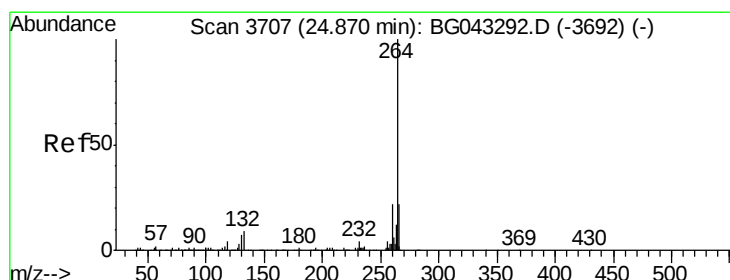
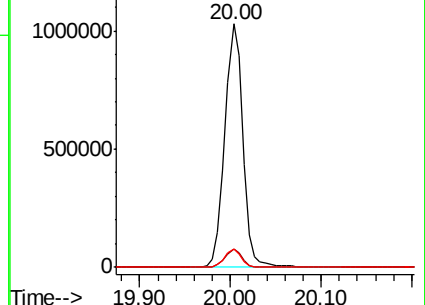
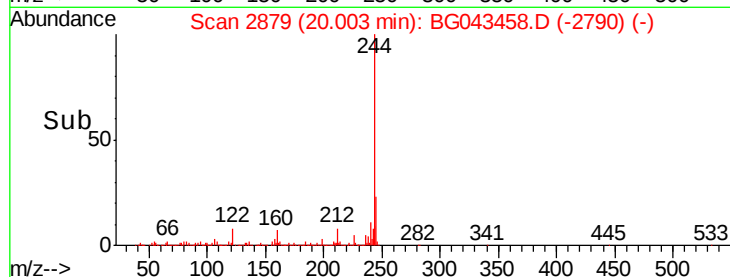
122 7.6 5.3 7.9



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: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043458.D

Acq: 1 Nov 2019 8:01

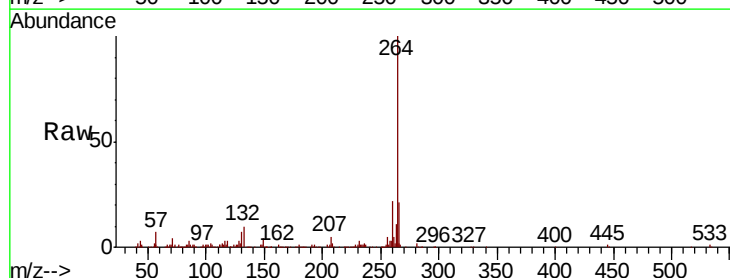
Tgt Ion:264 Resp: 333884

Ion Ratio Lower Upper

264 100

260 22.3 17.9 26.9

265 21.4 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

