

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043451.D
 Acq On : 1 Nov 2019 2:10
 Operator : JU
 Sample : K5602-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:03:43 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	43163	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	161591	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	114549	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	271206	20.00	ng	0.00
76) Chrysene-d12	21.66	240	292874	20.00	ng	0.00
87) Perylene-d12	24.86	264	345734	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	214350	91.00	ng	0.01
7) Phenol-d6	7.21	99	189720	55.98	ng	0.00
23) Nitrobenzene-d5	9.19	82	266481	85.02	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	271212	124.42	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	733760	88.51	ng	0.00
79) Terphenyl-d14	20.00	244	1450487	92.91	ng	0.00

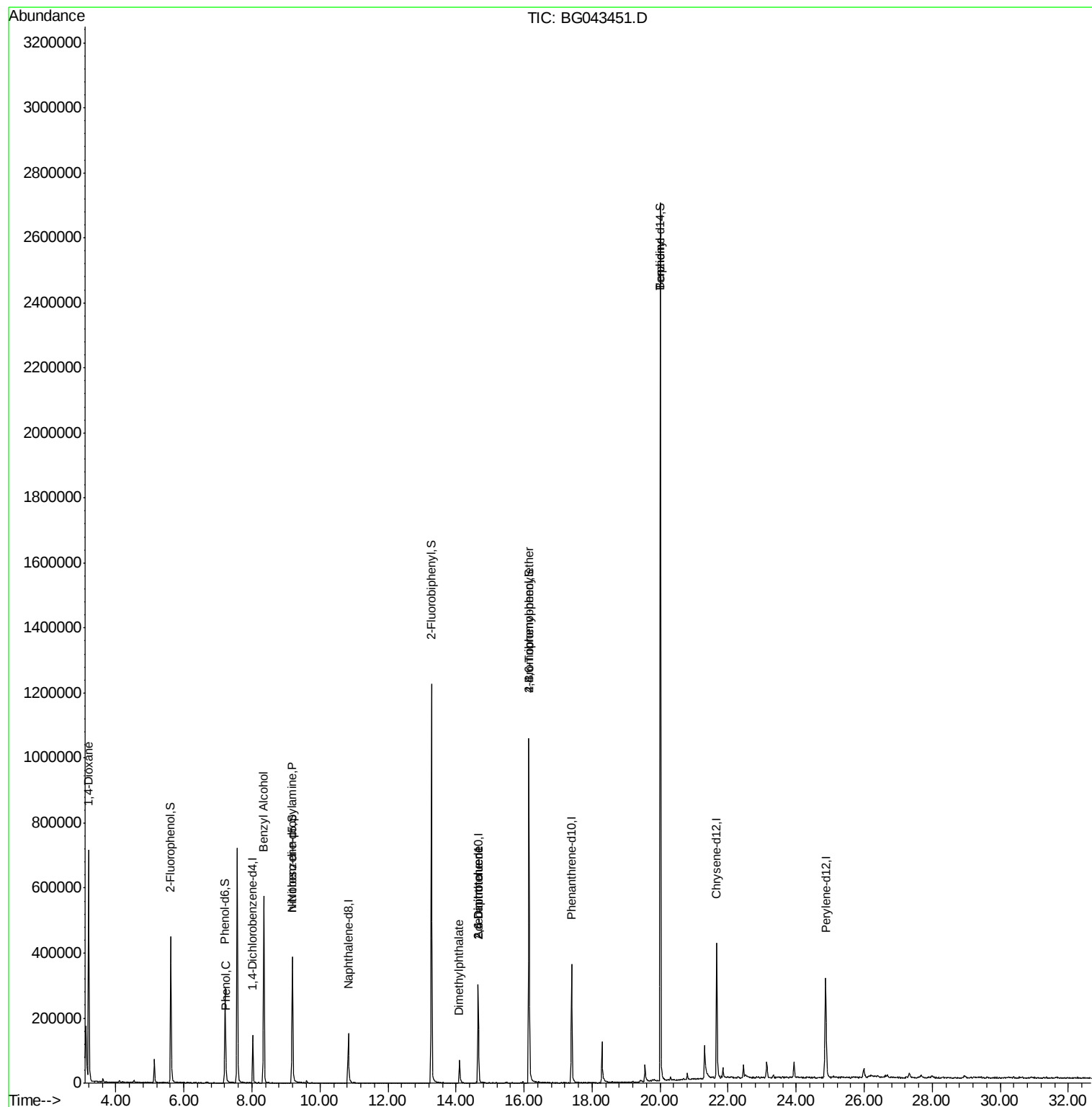
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	8396	9.147	ng	# 1
10) Phenol	7.24	94	12251	3.956	ng	# 85
15) Benzyl Alcohol	8.34	79	5117	2.150	ng	# 52
19) n-Nitroso-di-n-propylamine	9.19	70	36609	16.717	ng	# 74
50) Dimethylphthalate	14.10	163	64540	7.274	ng	# 97
51) 2,6-Dinitrotoluene	14.65	165	15854	8.225	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	15854	5.755	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	17083	4.680	ng	# 1
77) Benzidine	20.00	184	21452	3.640	ng	# 89

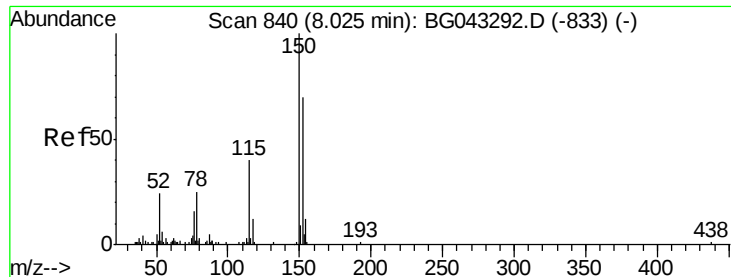
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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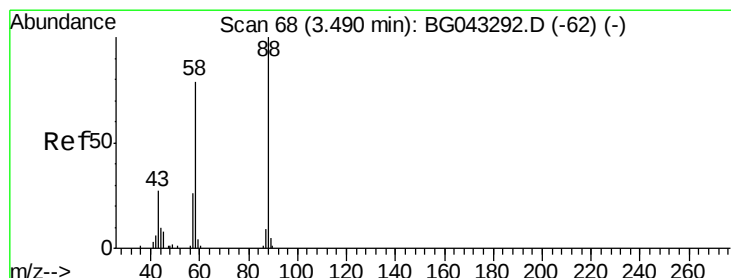
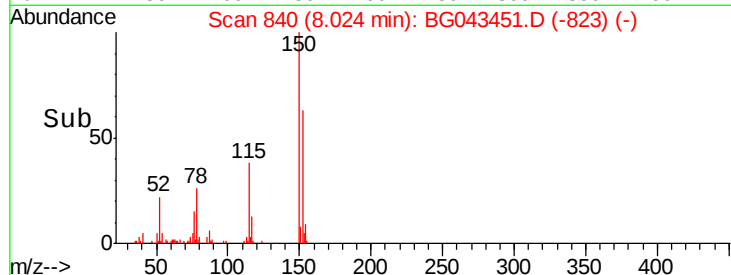
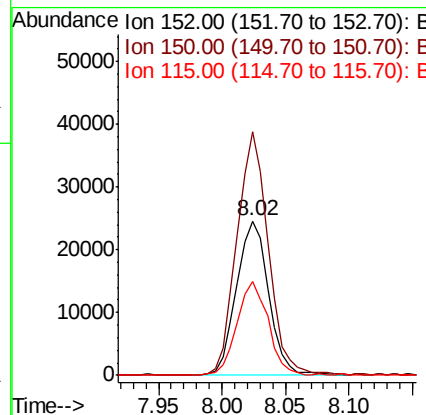
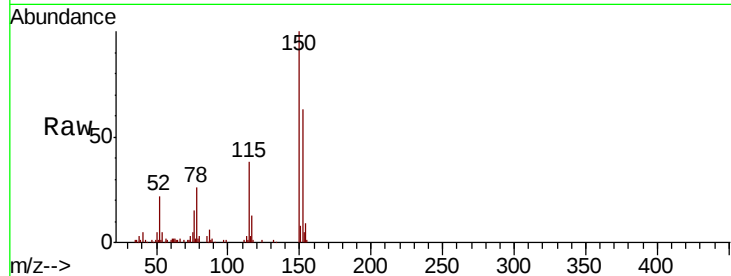


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Instrument :
BNA_G
ClientSampleId :

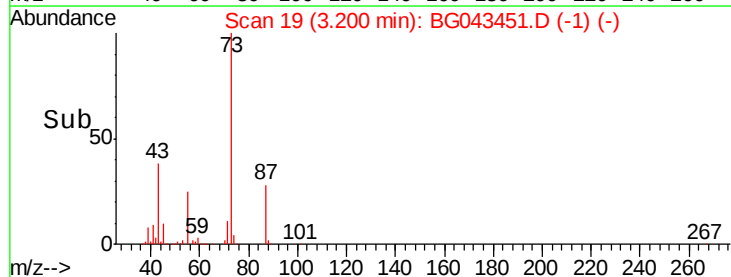
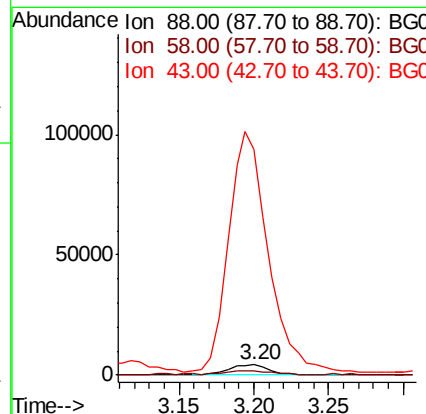
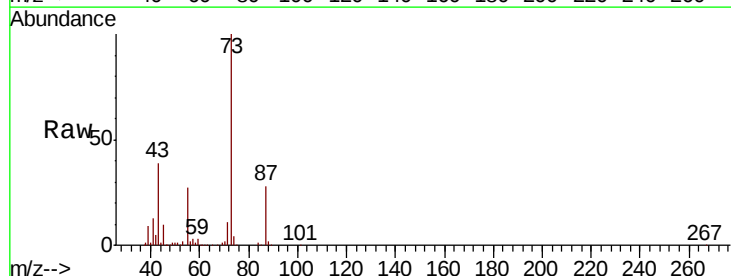
Tot Ion:152 Resp: 43163
Ion Ratio Lower Upper
152 100
150 157.8 113.6 170.4
115 60.5 45.9 68.9

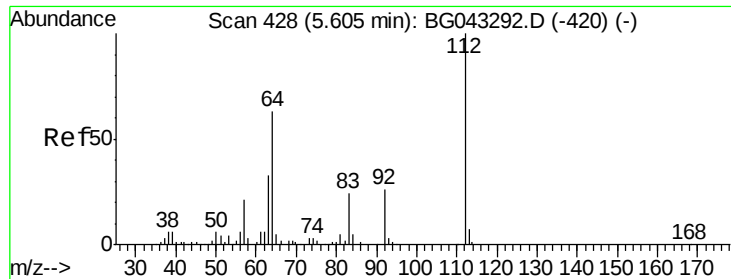


#2

1,4-Dioxane
Concen: 9.147 ng
RT: 3.20 min Scan# 19
Delta R.T. -0.29 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Tgt Ion: 88 Resp: 8396
Ion Ratio Lower Upper
88 100
58 45.9 60.2 90.2#
43 2205.8 22.7 34.1#





#5

2-Fluorophenol

Concen: 91.000 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

Instrument :

BNA_G

ClientSampleId :

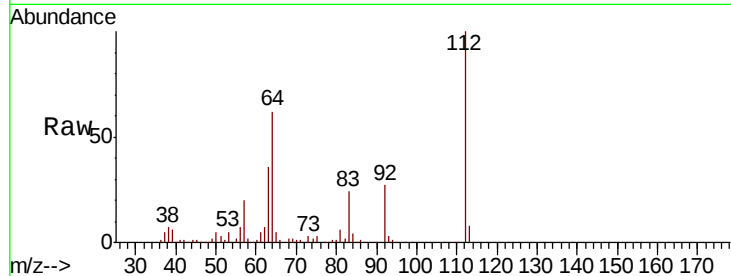
Tot Ion:112 Resp: 214350

Ion Ratio Lower Upper

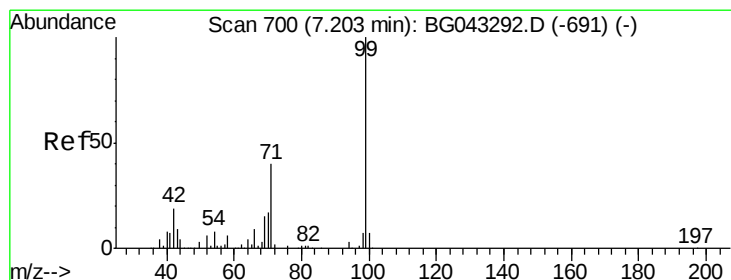
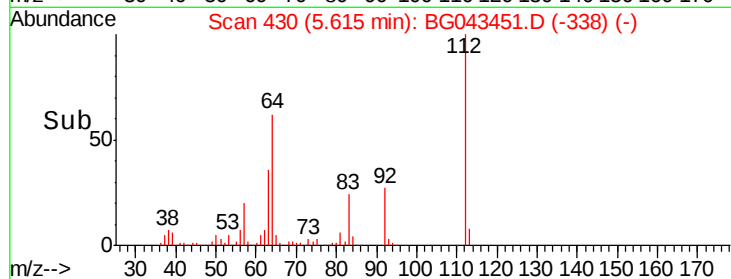
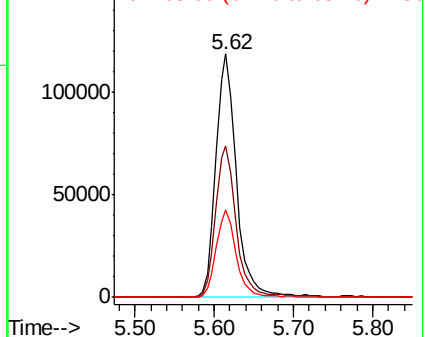
112 100

64 62.3 50.2 75.2

63 35.9 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: 55.981 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

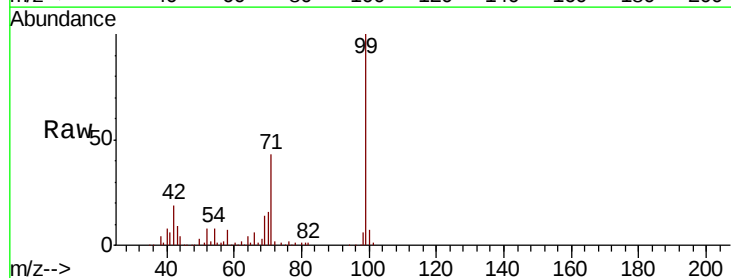
Tgt Ion: 99 Resp: 189720

Ion Ratio Lower Upper

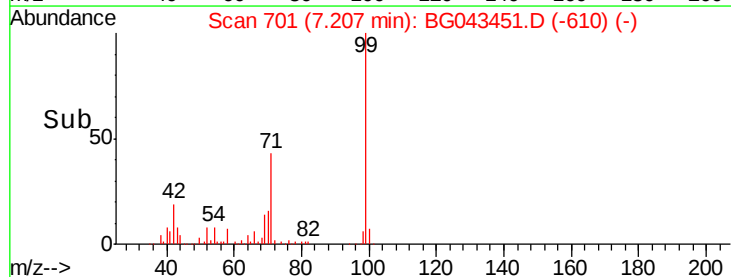
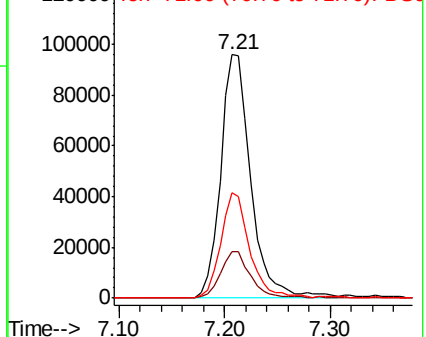
99 100

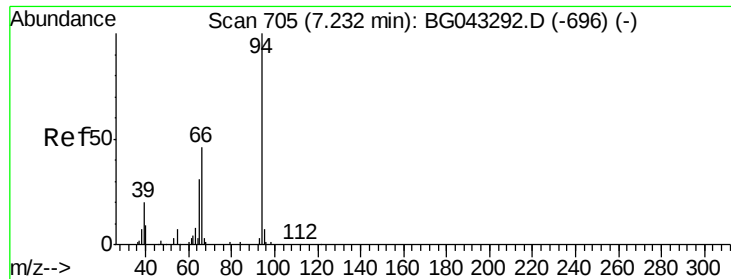
42 19.4 14.9 22.3

71 43.1 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: 3.956 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

Instrument :

BNA_G

ClientSampleId :

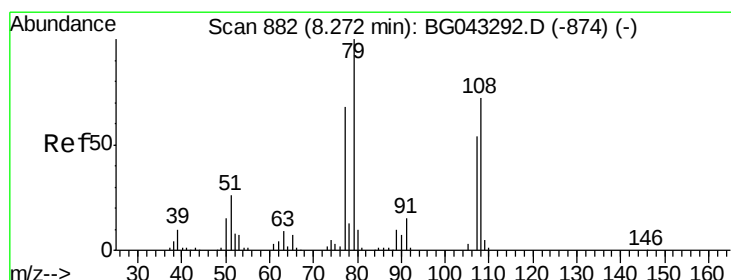
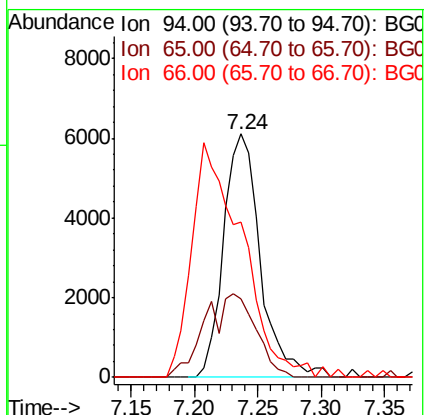
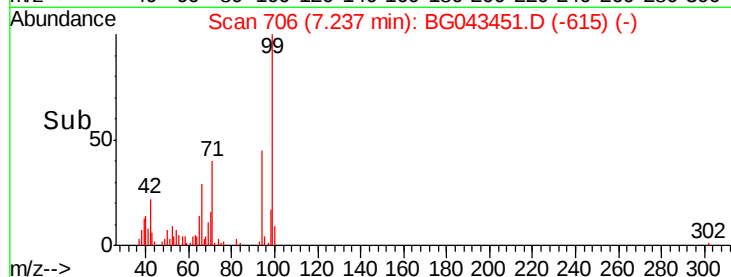
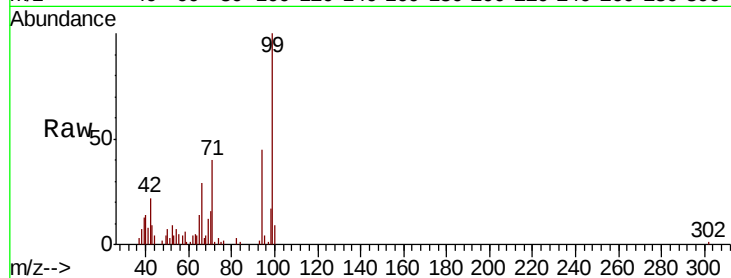
Tot Ion: 94 Resp: 12251

Ion Ratio Lower Upper

94 100

65 32.2 11.1 51.1

66 63.9 27.8 67.8



#15

Benzyl Alcohol

Concen: 2.150 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

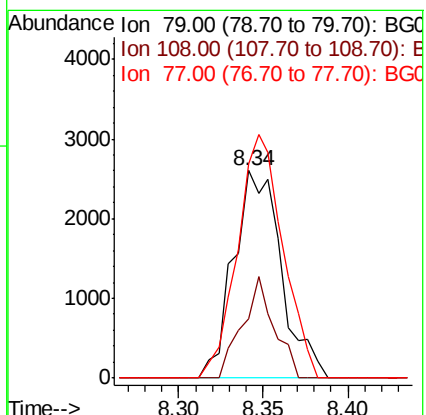
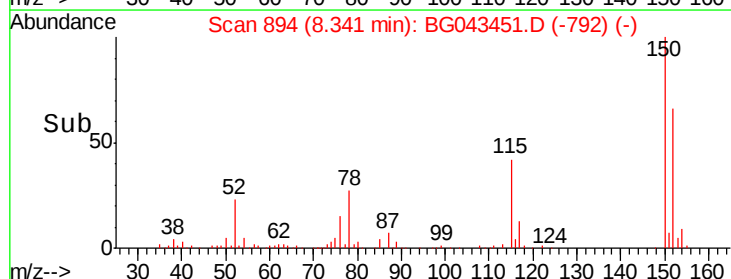
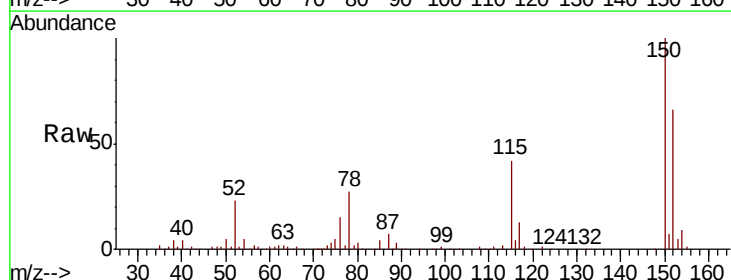
Tgt Ion: 79 Resp: 5117

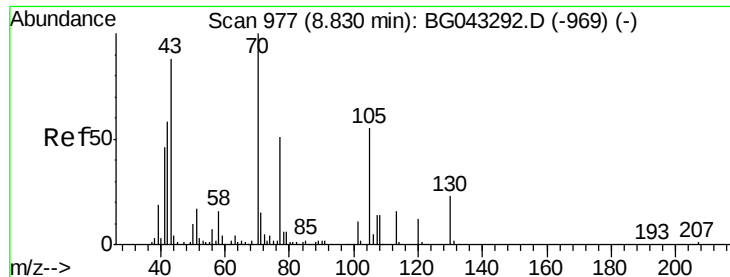
Ion Ratio Lower Upper

79 100

108 28.6 57.3 85.9#

77 103.2 54.6 81.8#

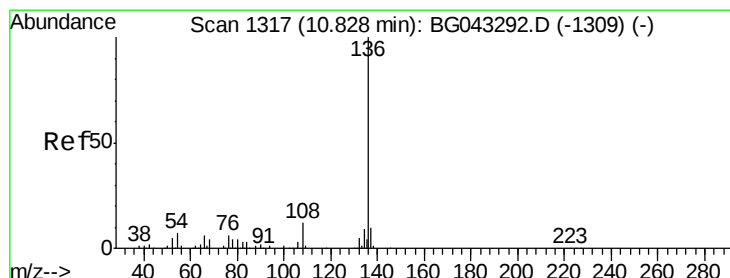
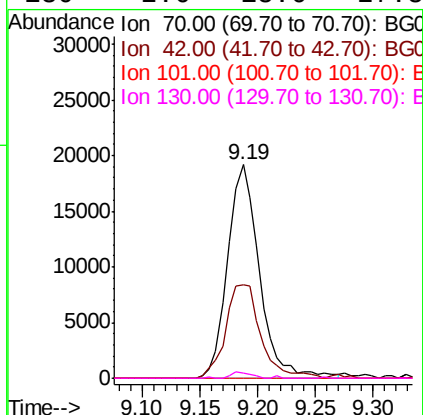
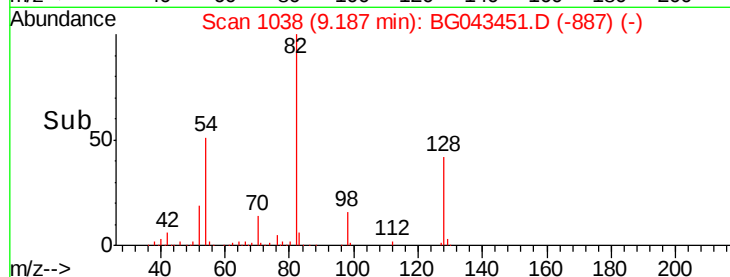
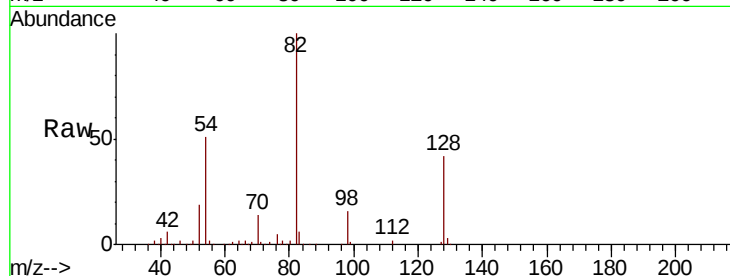




#19
n-Nitroso-di-n-propylamine
Concen: 16.717 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

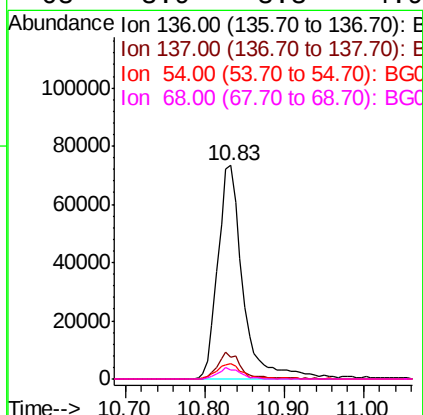
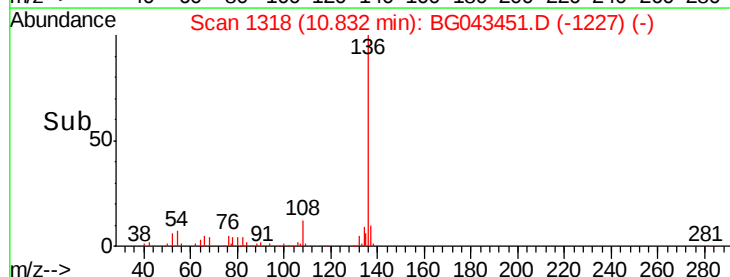
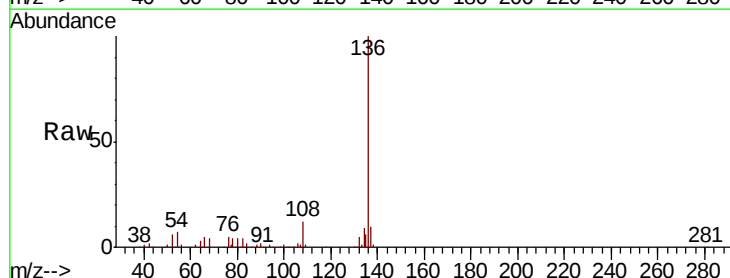
Instrument :
BNA_G
ClientSampleId :

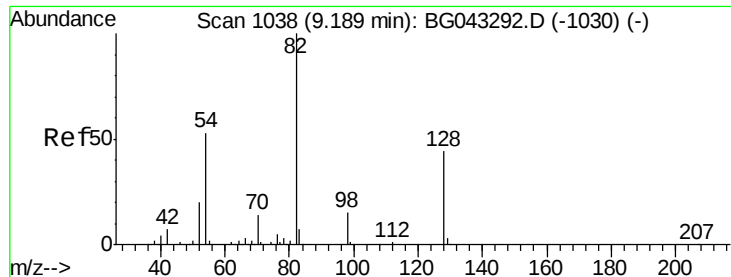
Tot Ion: 70 Resp: 36609
Ion Ratio Lower Upper
70 100
42 43.5 46.2 69.2#
101 0.0 8.6 13.0#
130 2.6 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Tgt Ion: 136 Resp: 161591
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.2
54 7.0 5.4 8.2
68 3.9 3.3 4.9

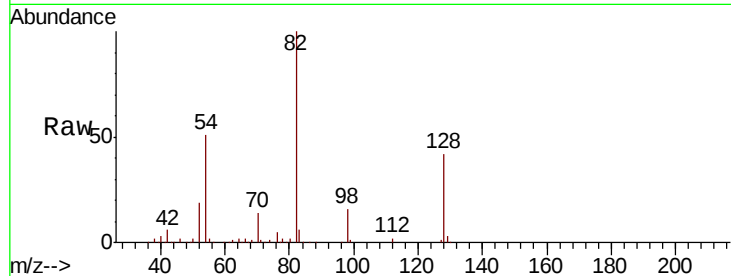




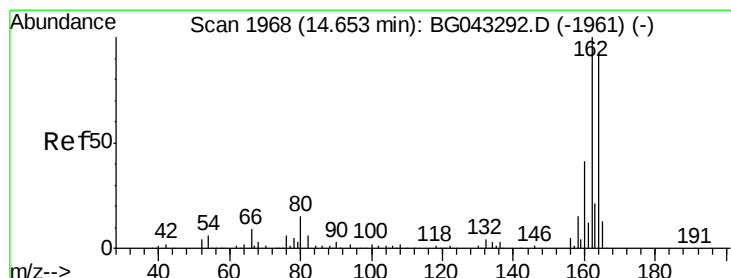
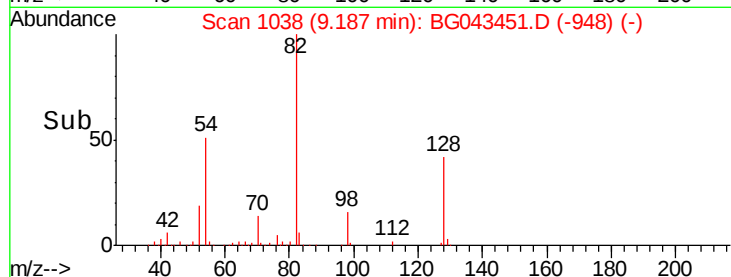
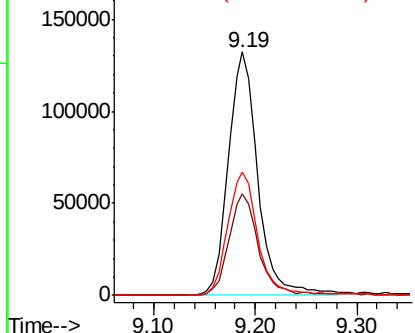
#23
Nitrobenzene-d5
Concen: 85.019 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	266481
Ion Ratio	Lower	Upper	
82	100		
128	41.7	35.3	52.9
54	50.8	42.3	63.5

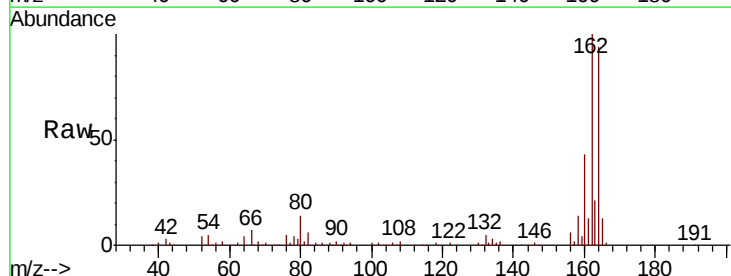


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

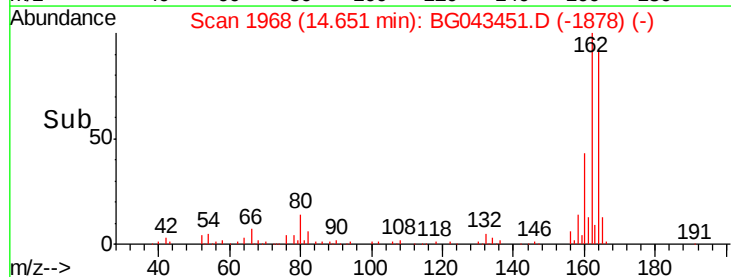
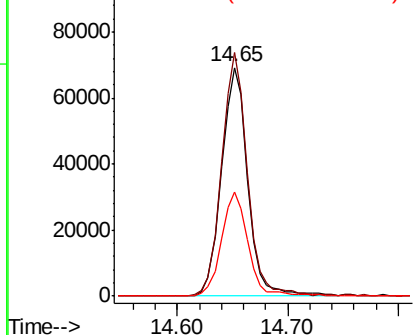


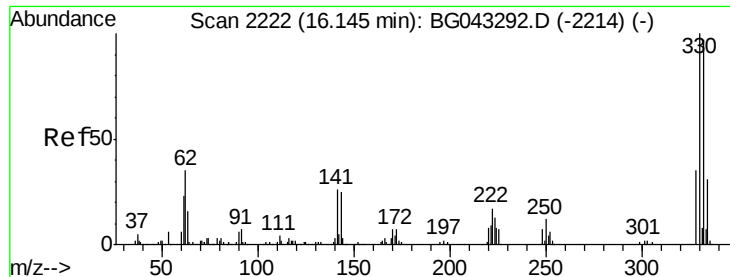
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Tgt Ion	164	Resp	114549
Ion Ratio	Lower	Upper	
164	100		
162	106.5	87.0	130.4
160	45.6	35.5	53.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

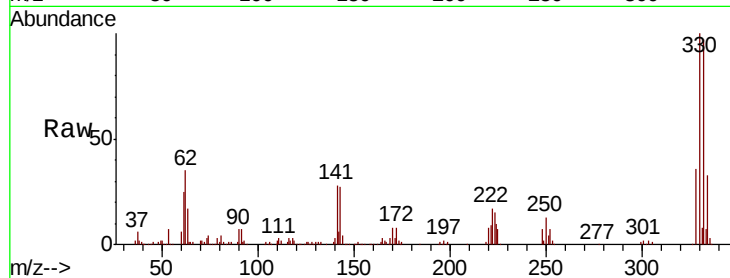




#42
 2,4,6-Tribromophenol
 Concen: 124.417 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043451.D
 Acq: 1 Nov 2019 2:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.4	114.6
141	28.3	21.4	32.0

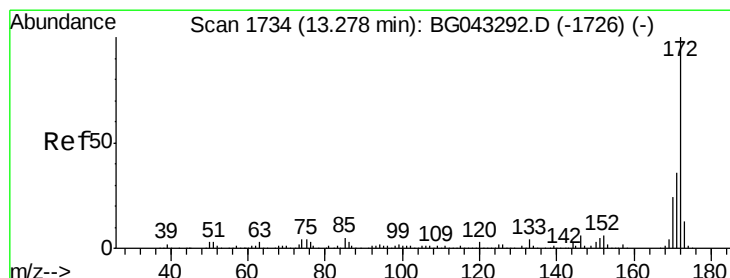
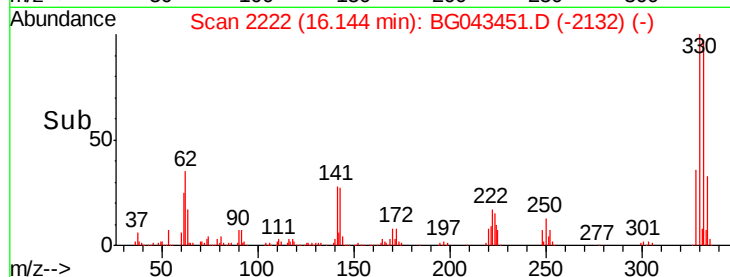
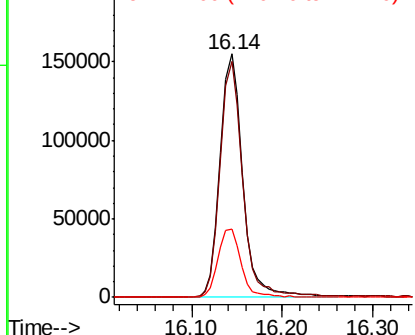


Abundance

Ion 329.80 (329.50 to 330.50): E

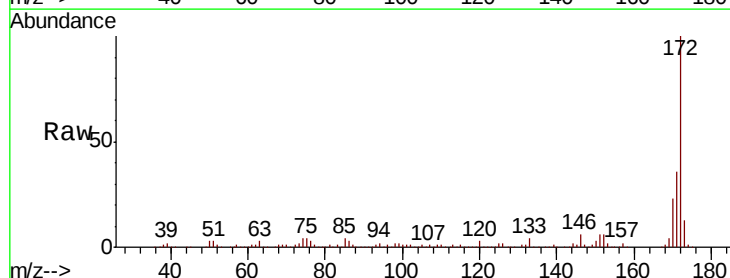
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.513 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043451.D
 Acq: 1 Nov 2019 2:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.1	18.8	28.2

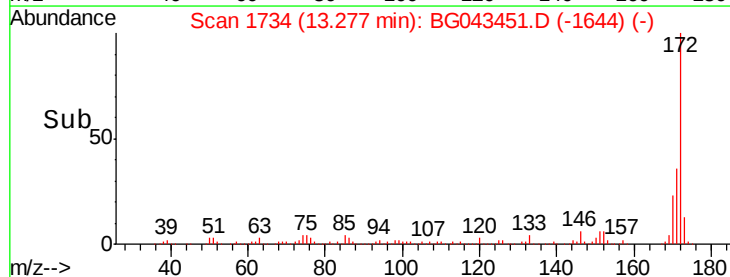
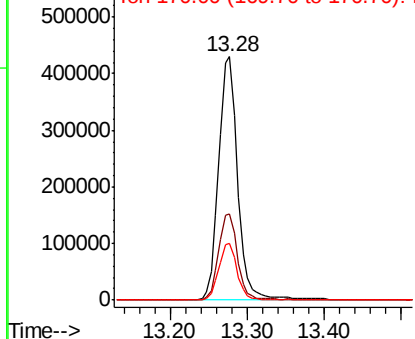


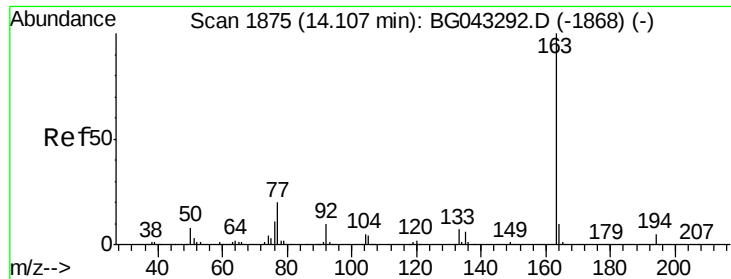
Abundance

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

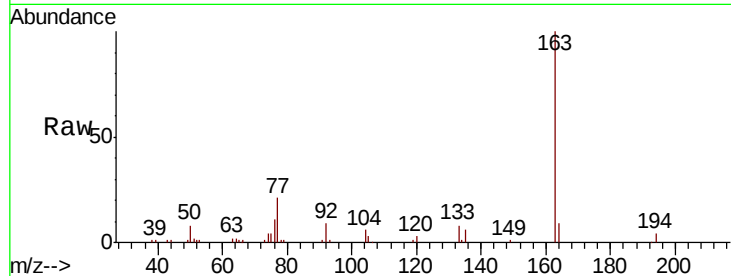




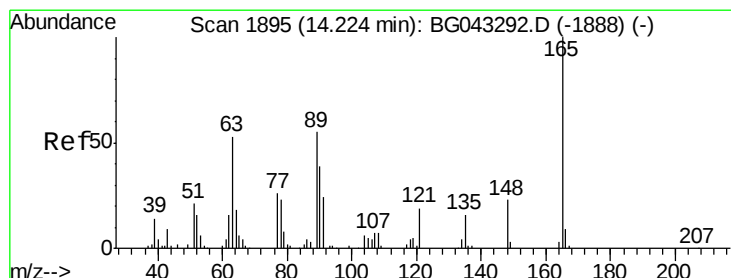
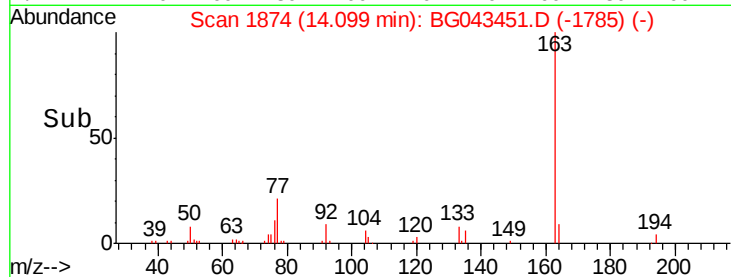
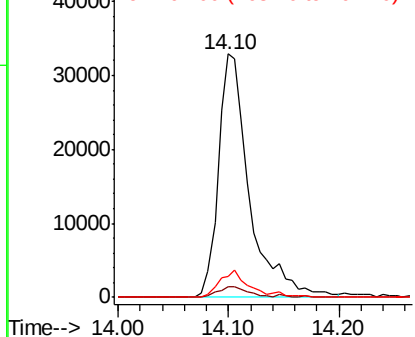
#50
Dimethylphthalate
Concen: 7.274 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 64540
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 8.5 8.1 12.1

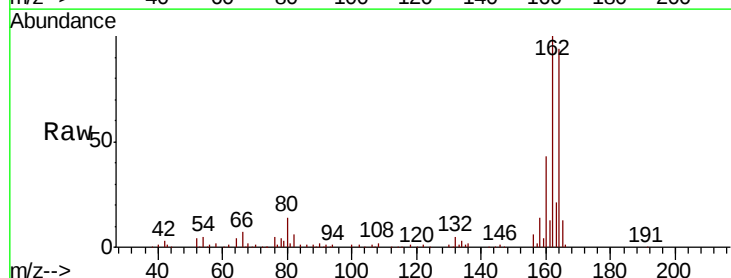


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

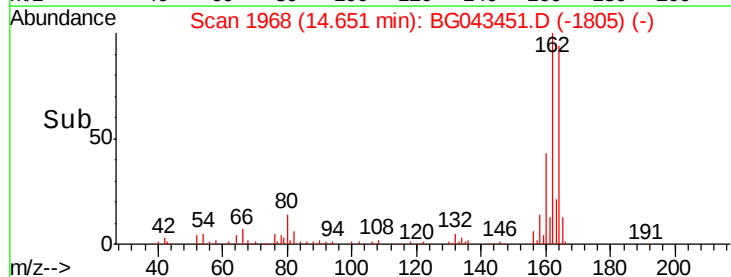
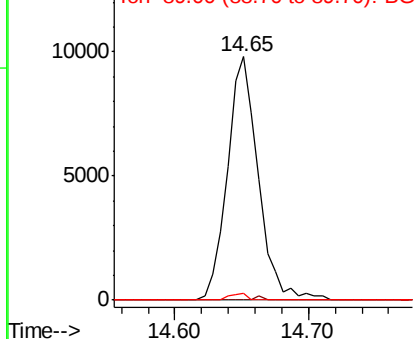


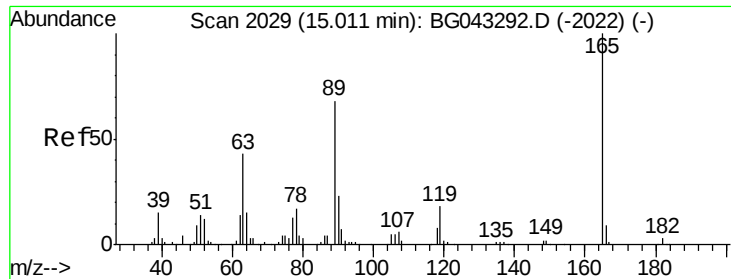
#51
2,6-Dinitrotoluene
Concen: 8.225 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.43 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Tgt Ion:165 Resp: 15854
Ion Ratio Lower Upper
165 100
63 0.0 47.1 70.7#
89 2.5 43.7 65.5#



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

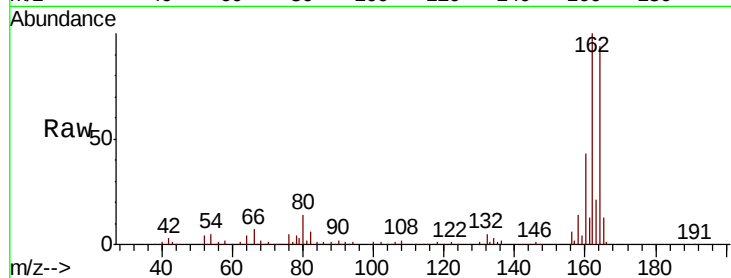




#57
 2,4-Dinitrotoluene
 Concen: 5.755 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043451.D
 Acq: 1 Nov 2019 2:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	2.5	54.1	81.1#
182	0.0	2.2	3.2#

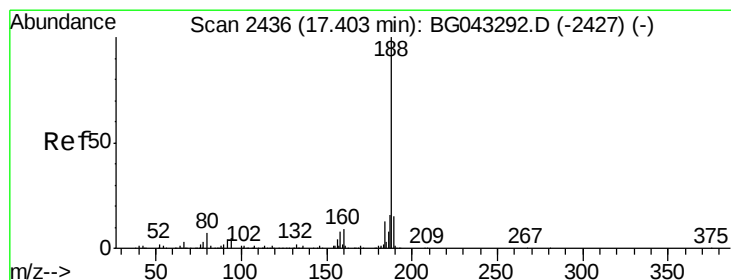
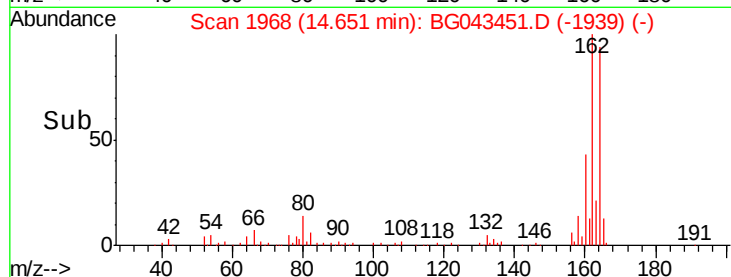
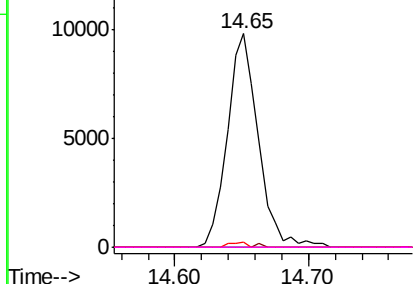


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

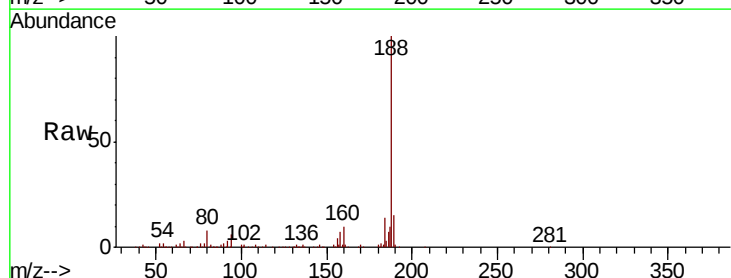
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043451.D
 Acq: 1 Nov 2019 2:10

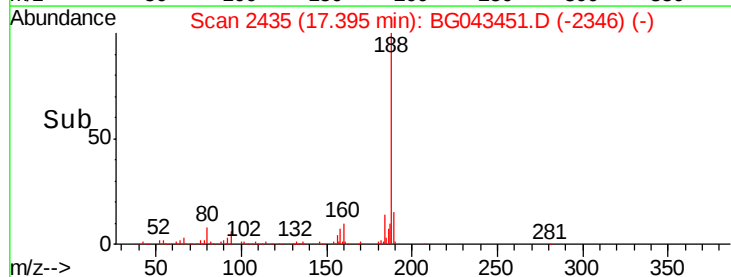
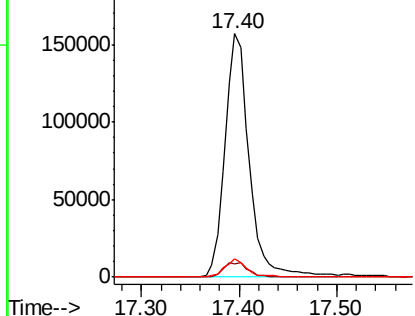
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.2
80	7.5	5.2	7.8

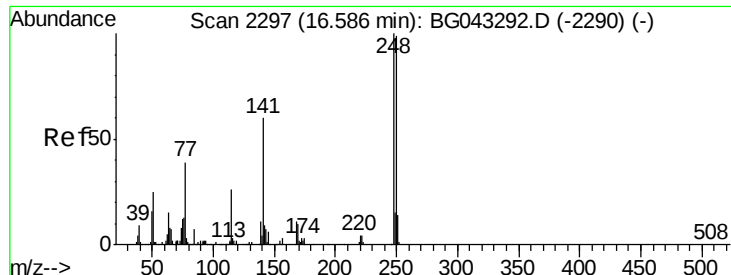


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

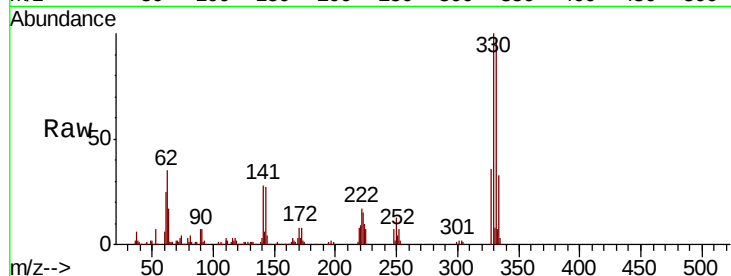




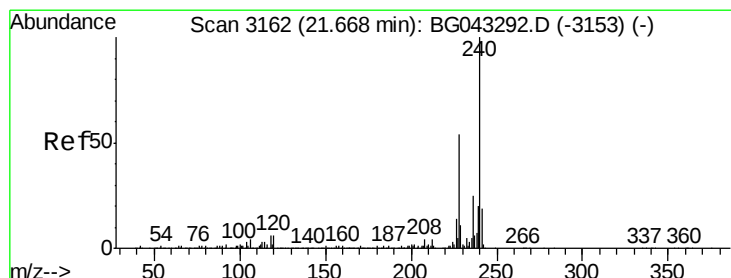
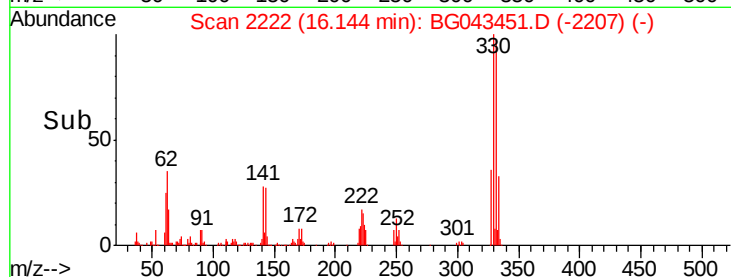
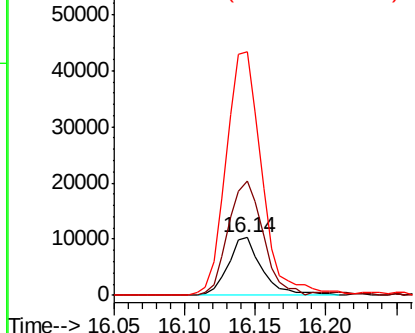
#67
4-Bromophenyl-phenylether
Concen: 4.680 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17083
Ion Ratio Lower Upper
248 100
250 199.3 79.3 118.9#
141 423.6 47.9 71.9#

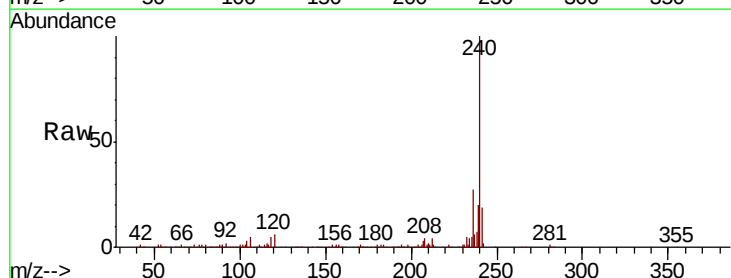


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

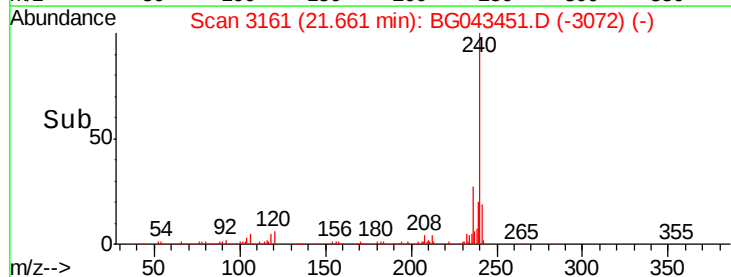
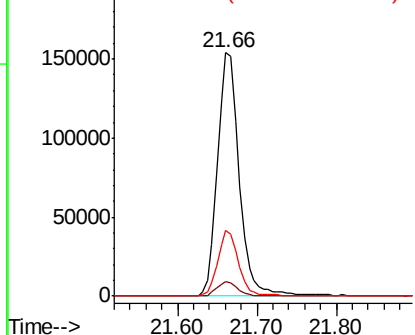


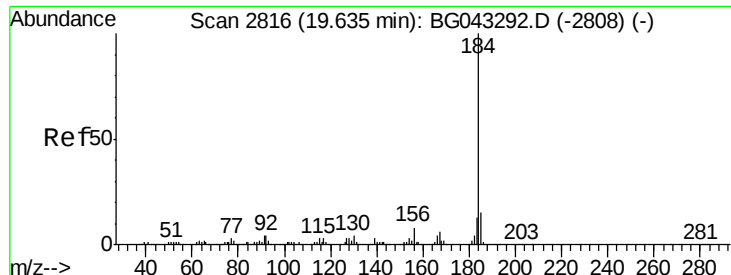
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Tgt Ion:240 Resp: 292874
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 27.1 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: 3.640 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

Instrument :

BNA_G

ClientSampleId :

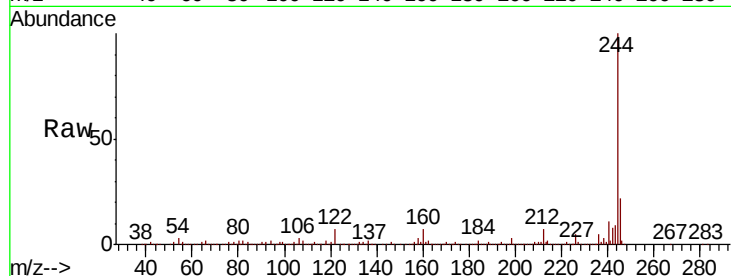
Tot Ion:184 Resp: 21452

Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.6#

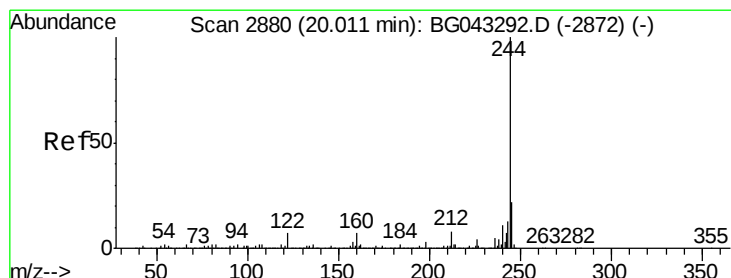
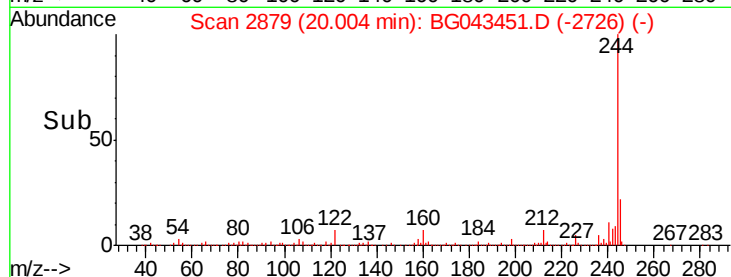
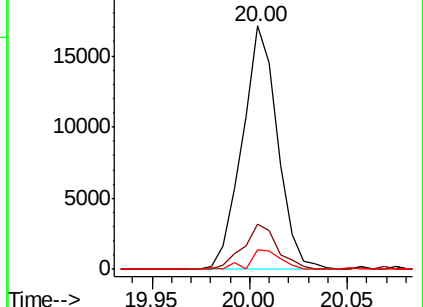
183 8.2 10.6 16.0#



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: 92.914 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043451.D

Acq: 1 Nov 2019 2:10

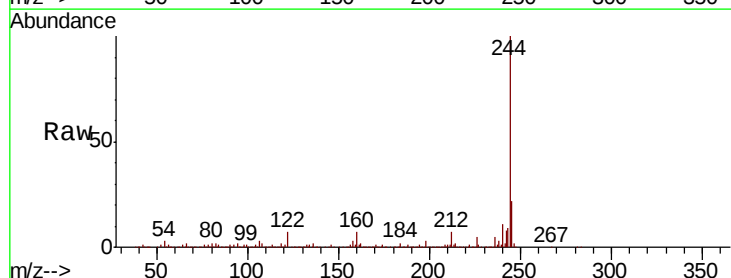
Tgt Ion:244 Resp: 1450487

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

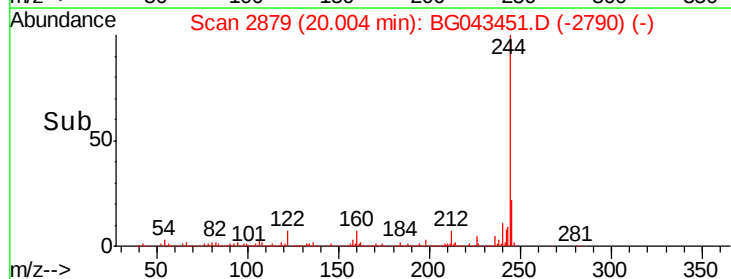
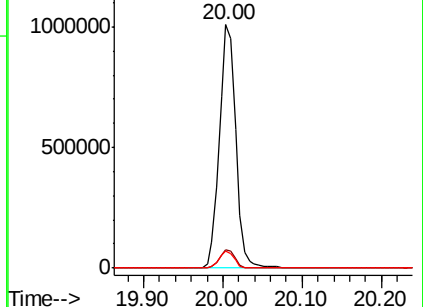
122 7.0 5.3 7.9

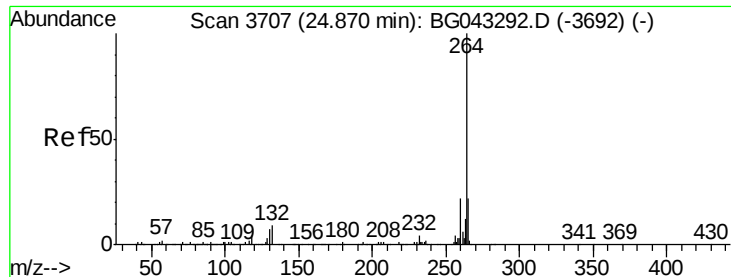


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

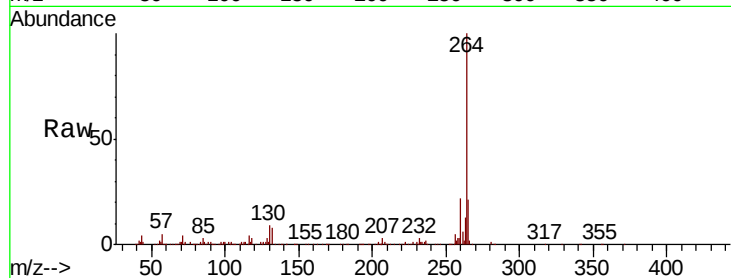




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG043451.D
Acq: 1 Nov 2019 2:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.9	26.9
265	21.2	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

