

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043465.D
 Acq On : 1 Nov 2019 14:45
 Operator : JU
 Sample : K5615-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-52

Quant Time: Nov 22 05:35:33 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

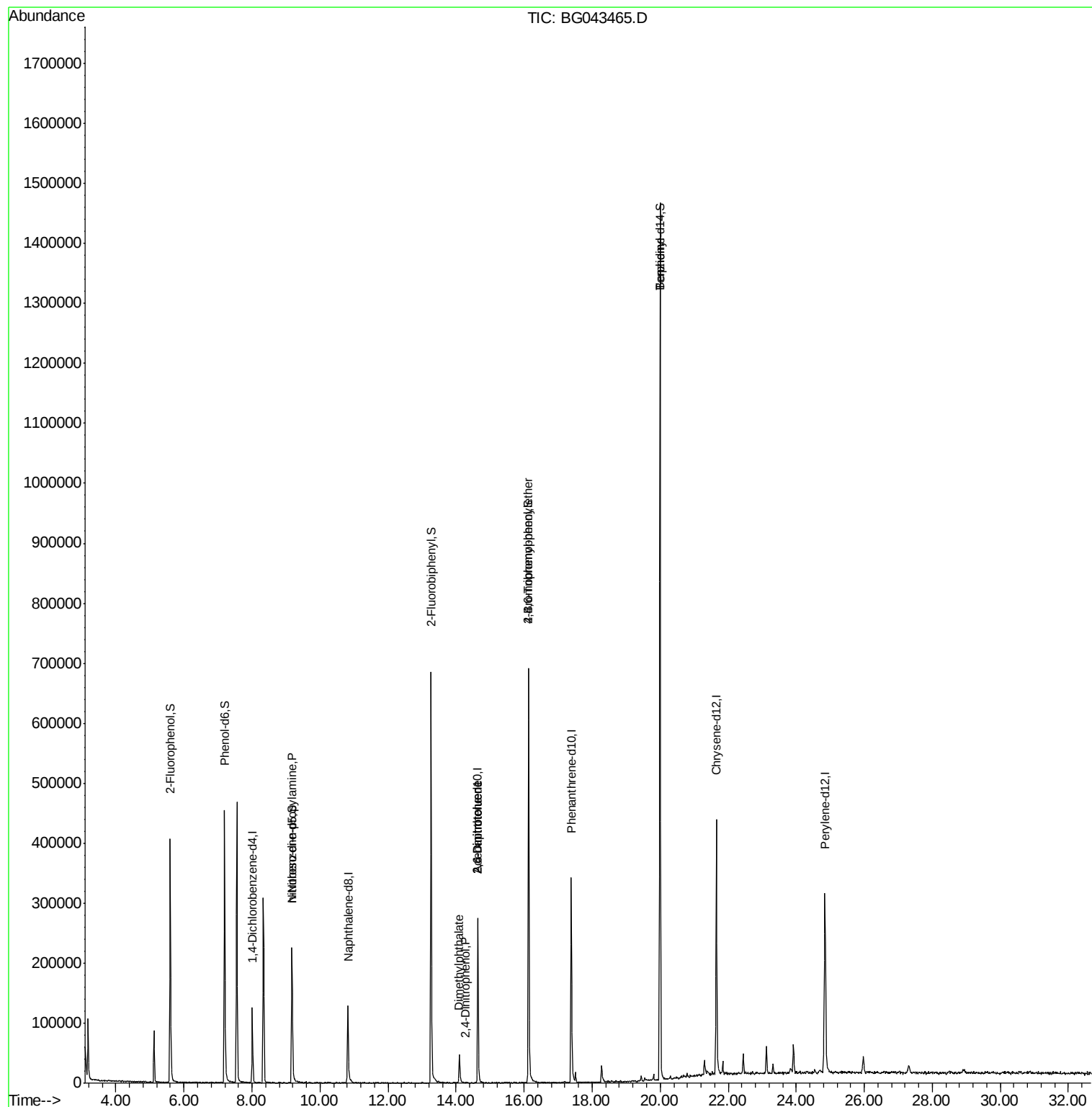
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38371	20.00	ng	0.03
21) Naphthalene-d8	10.82	136	146706	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	111922	20.00	ng	0.02
64) Phenanthrene-d10	17.39	188	261874	20.00	ng	0.02
76) Chrysene-d12	21.65	240	284374	20.00	ng	0.02
87) Perylene-d12	24.84	264	338801	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	198434	94.76	ng	0.02
7) Phenol-d6	7.20	99	287830	95.54	ng	0.00
23) Nitrobenzene-d5	9.18	82	163792	57.56	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	175356	82.33	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	433510	53.52	ng	0.02
79) Terphenyl-d14	20.00	244	824797	54.41	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	22453	11.533	ng	Qvalue # 81
50) Dimethylphthalate	14.09	163	43669	5.037	ng	# 99
51) 2,6-Dinitrotoluene	14.65	165	14633	7.770	ng	# 26
54) 2,4-Dinitrophenol	14.28	184	59	7.328	ng	# 13
57) 2,4-Dinitrotoluene	14.65	165	14633	5.437	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	11444	3.247	ng	# 1
77) Benzidine	20.00	184	11576	2.023	ng	# 87

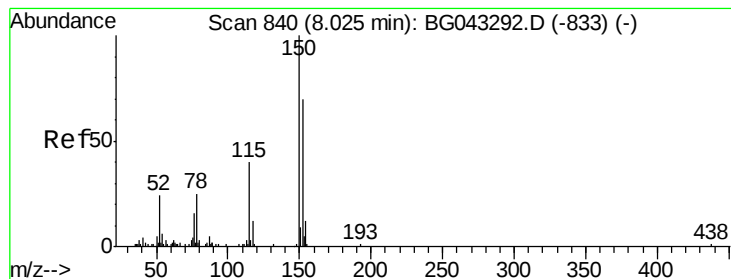
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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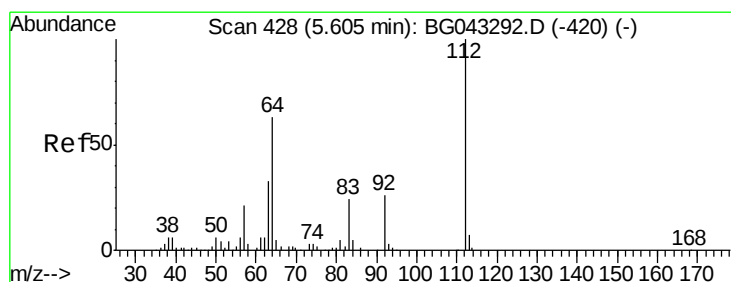
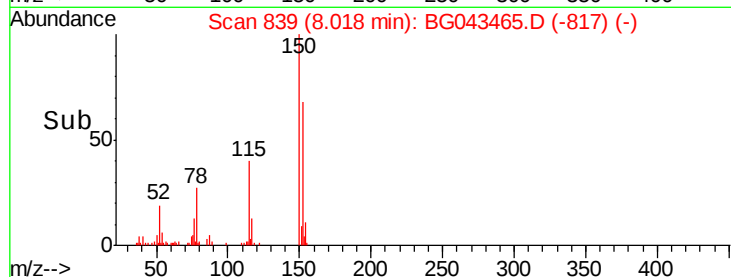
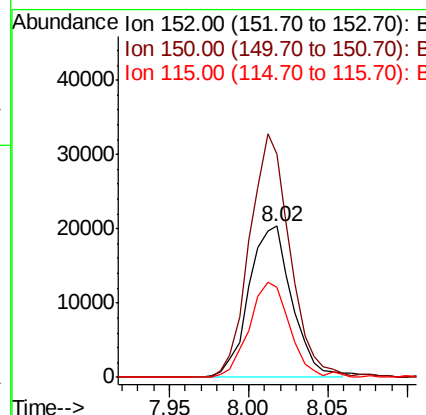
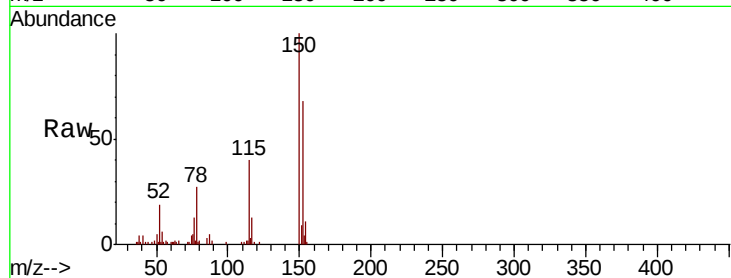


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.03 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Instrument :
BNA_G
ClientSampleId :
RBR-52

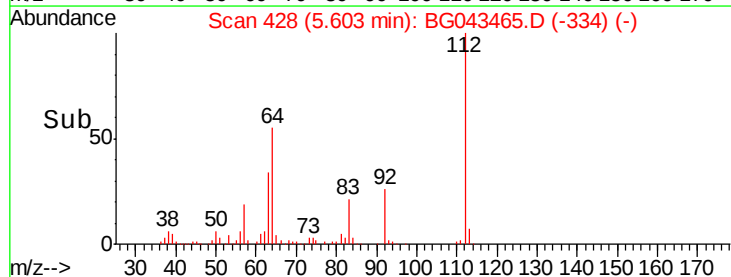
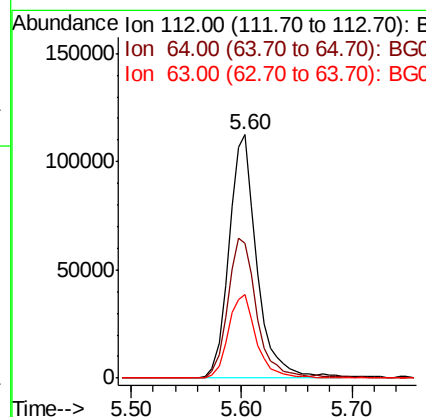
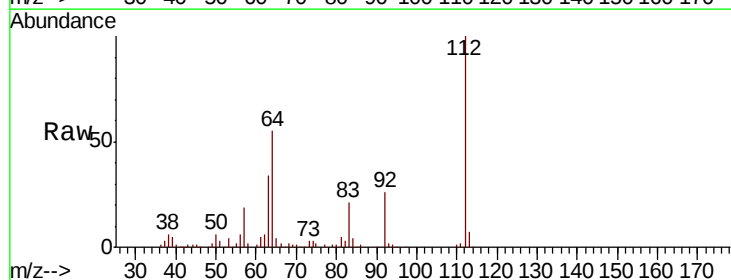
Tot Ion:152 Resp: 38371
Ion Ratio Lower Upper
152 100
150 147.9 116.6 175.0
115 59.3 40.5 60.7

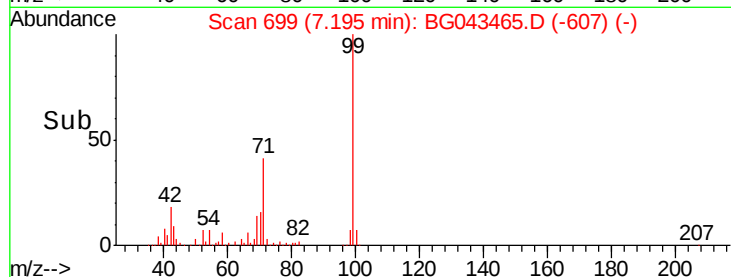
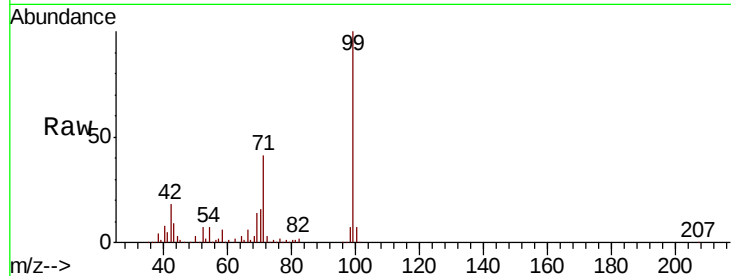
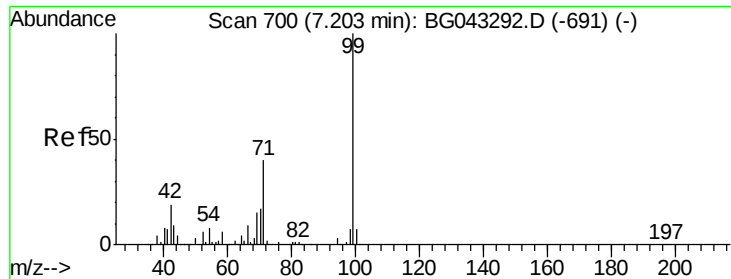


#5

2-Fluorophenol
Concen: 94.764 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Tgt Ion:112 Resp: 198434
Ion Ratio Lower Upper
112 100
64 55.4 50.6 75.8
63 34.5 30.5 45.7





#7

Phenol-d6

Concen: 95.538 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

Instrument :

BNA_G

ClientSampleId :

RBR-52

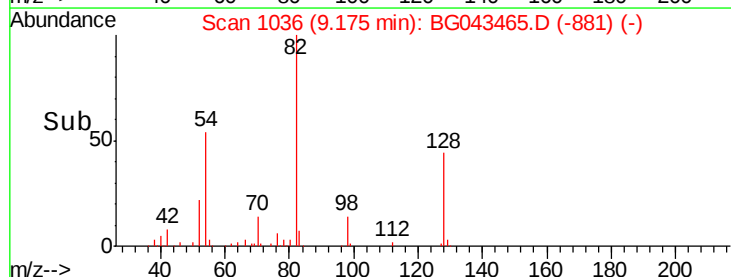
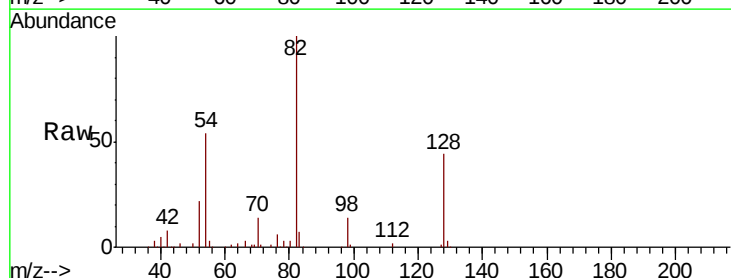
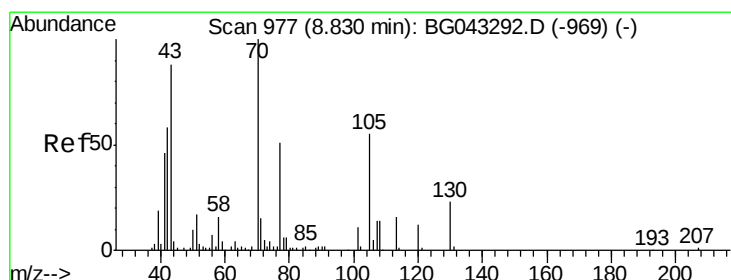
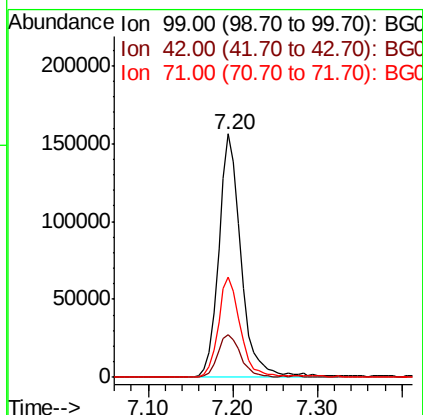
Tot Ion: 99 Resp: 287830

Ion Ratio Lower Upper

99 100

42 17.6 15.8 23.8

71 41.0 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.533 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

Tgt Ion: 70 Resp: 22453

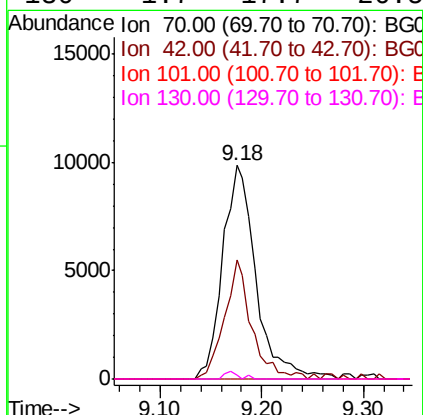
Ion Ratio Lower Upper

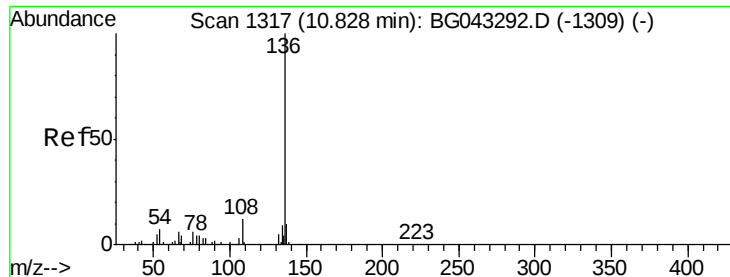
70 100

42 55.8 49.7 74.5

101 0.0 9.7 14.5#

130 1.7 17.7 26.5#

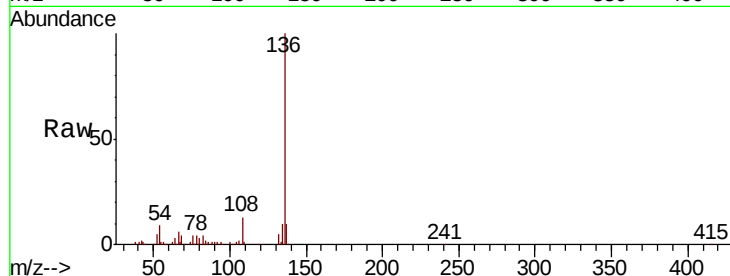




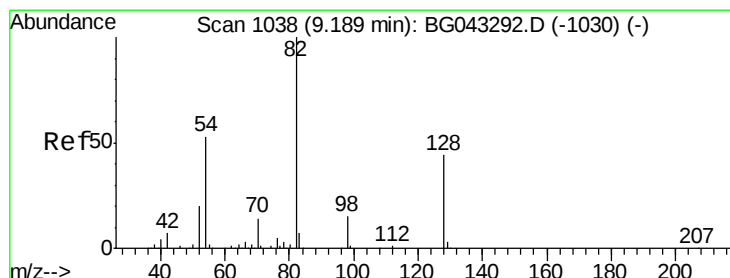
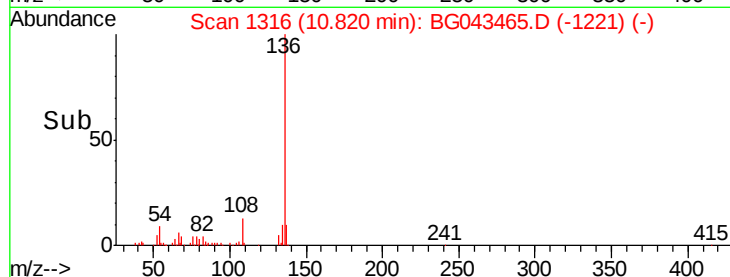
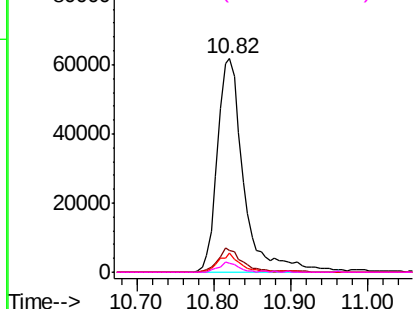
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Instrument :
BNA_G
ClientSampleId :
RBR-52

Tot Ion:136	Resp:	146706
Ion	Ratio	Lower Upper
136	100	
137	10.2	8.8 13.2
54	9.3	6.2 9.2#
68	4.3	3.4 5.0

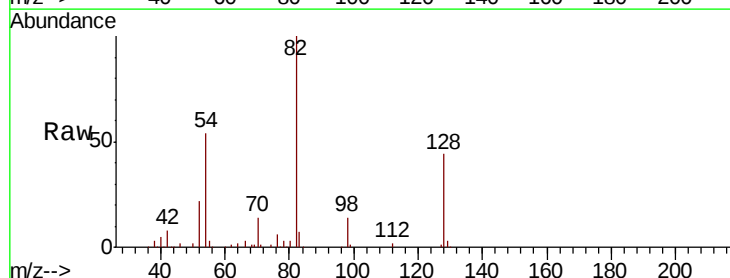


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

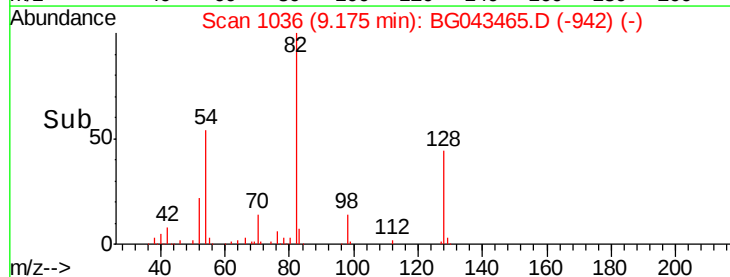
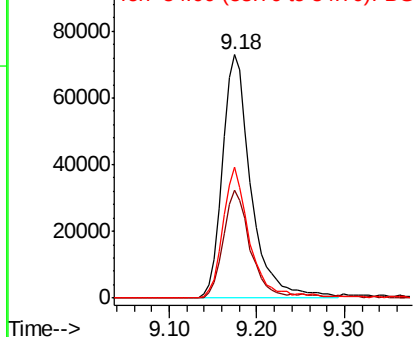


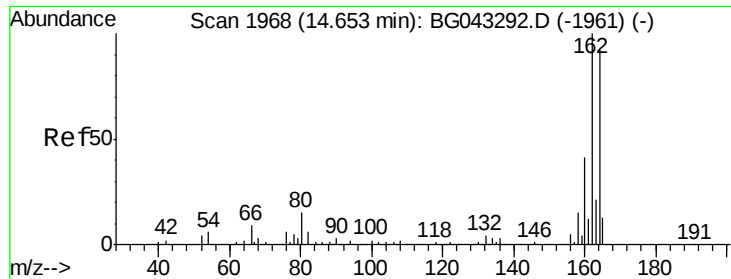
#23
Nitrobenzene-d5
Concen: 57.559 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Tgt Ion: 82	Resp:	163792
Ion	Ratio	Lower Upper
82	100	
128	44.3	34.2 51.4
54	53.8	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: 14.64 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

Instrument :

BNA_G

ClientSampleId :

RBR-52

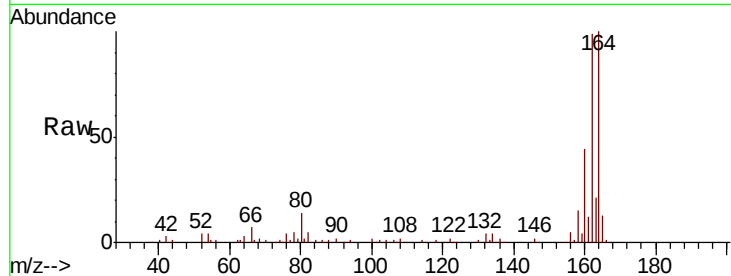
Tot Ion:164 Resp: 111922

Ion Ratio Lower Upper

164 100

162 98.9 79.4 119.2

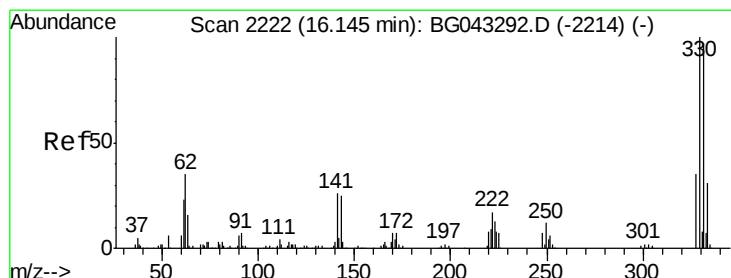
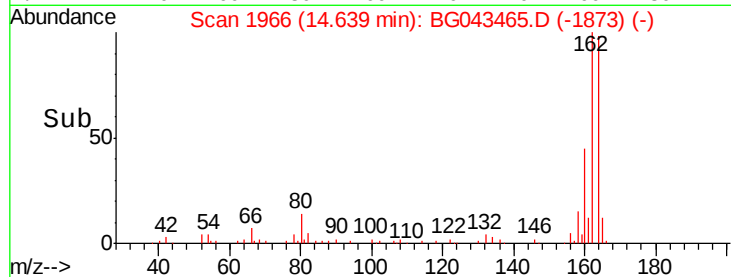
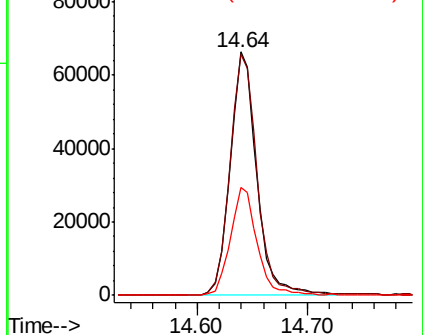
160 44.1 36.3 54.5



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: 82.331 ng

RT: 16.13 min Scan# 2220

Delta R.T. 0.02 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

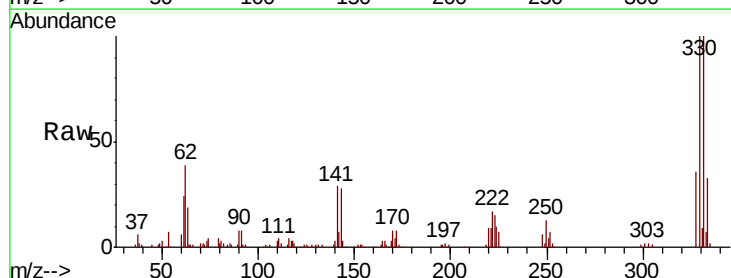
Tgt Ion:330 Resp: 175356

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

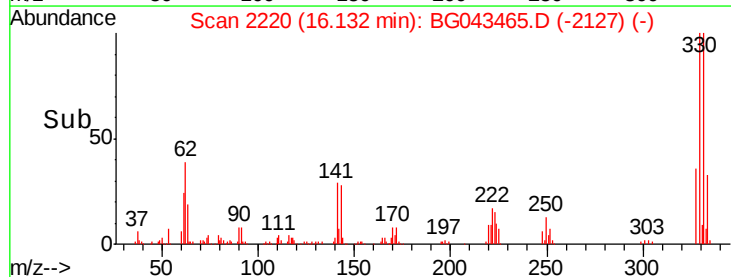
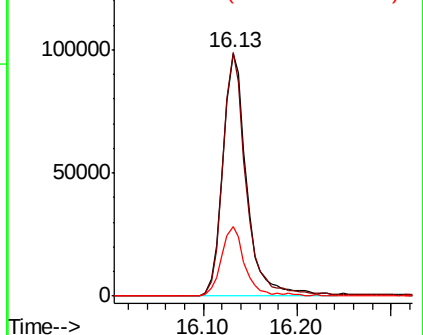
141 28.2 23.4 35.2

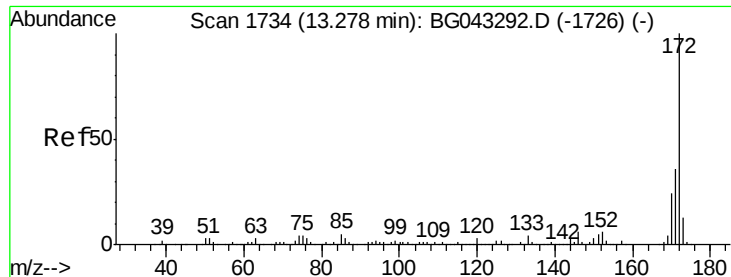


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

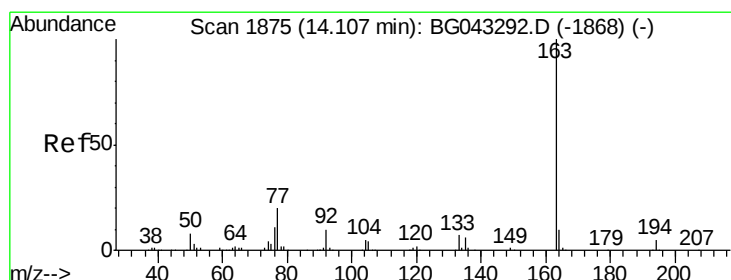
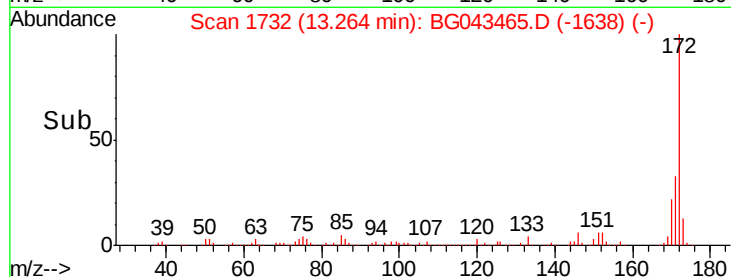
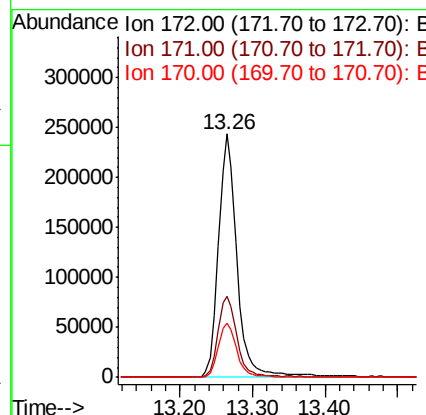
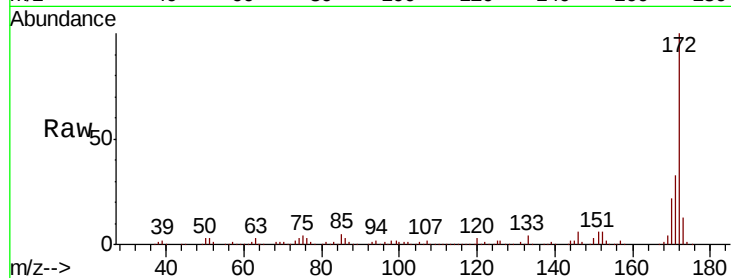




#45
2-Fluorobiphenyl
Concen: 53.522 ng
RT: 13.26 min Scan# 1732
Delta R.T. 0.02 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

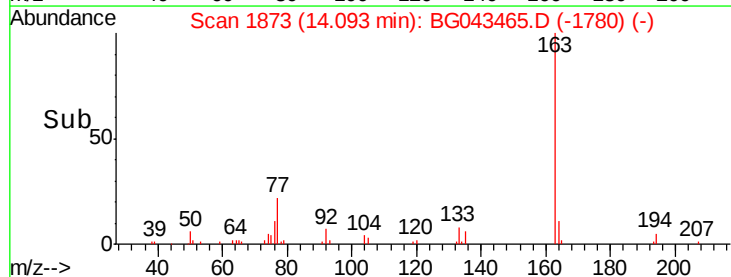
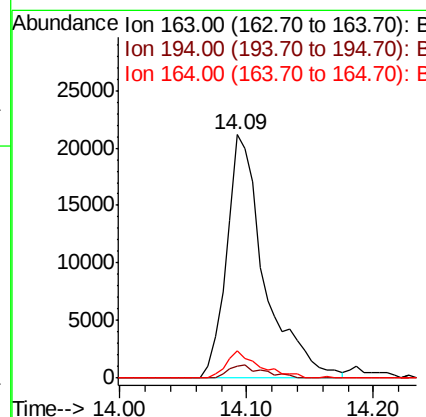
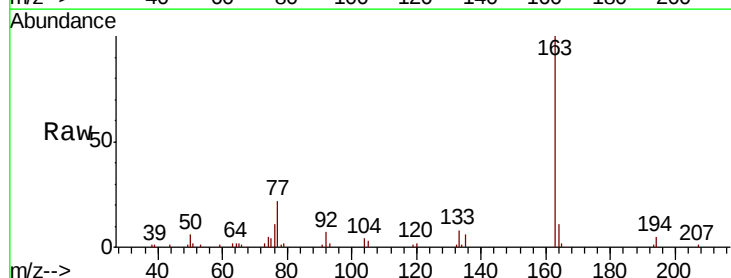
Instrument :
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RBR-52

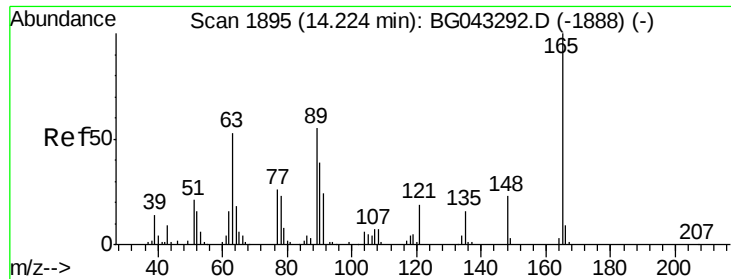
Tot Ion:172 Resp: 433510
Ion Ratio Lower Upper
172 100
171 33.4 28.1 42.1
170 22.2 18.8 28.2



#50
Dimethylphthalate
Concen: 5.037 ng
RT: 14.09 min Scan# 1873
Delta R.T. 0.02 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Tgt Ion:163 Resp: 43669
Ion Ratio Lower Upper
163 100
194 4.8 3.8 5.8
164 11.0 8.5 12.7

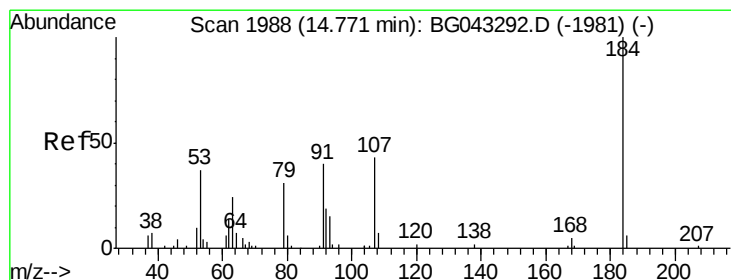
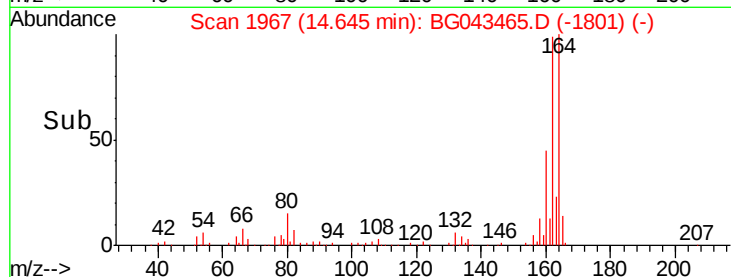
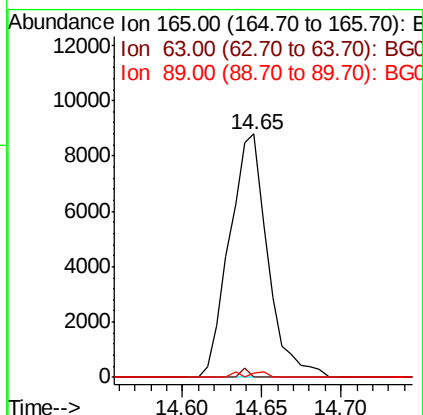
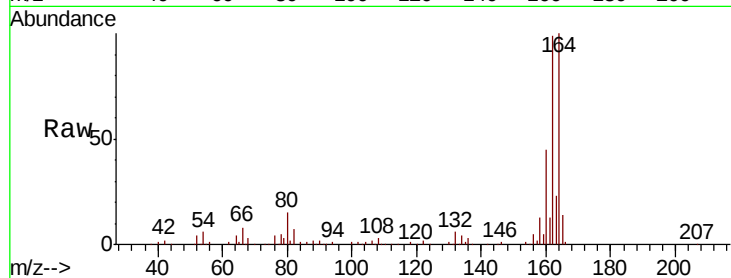




#51
 2,6-Dinitrotoluene
 Concen: 7.770 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.44 min
 Lab File: BG043465.D
 Acq: 1 Nov 2019 14:45

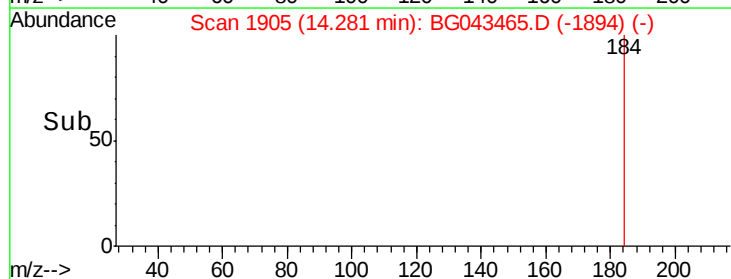
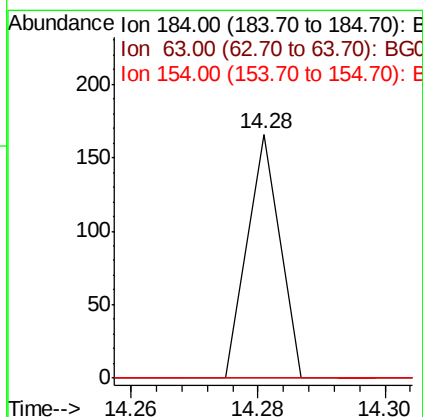
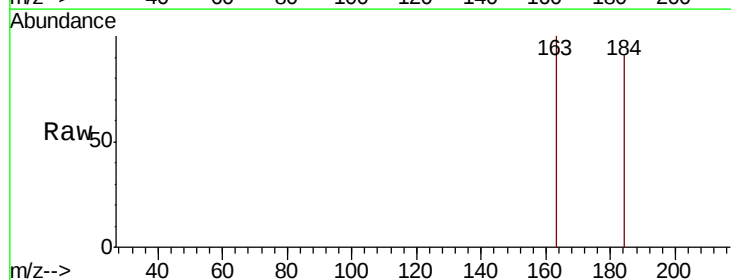
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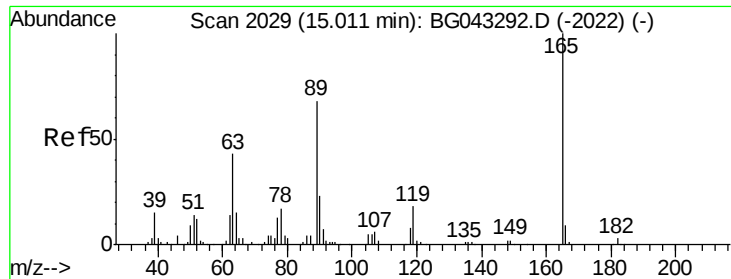
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	1.8	39.8	59.8#



#54
 2,4-Dinitrophenol
 Concen: 7.328 ng
 RT: 14.28 min Scan# 1905
 Delta R.T. -0.47 min
 Lab File: BG043465.D
 Acq: 1 Nov 2019 14:45

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

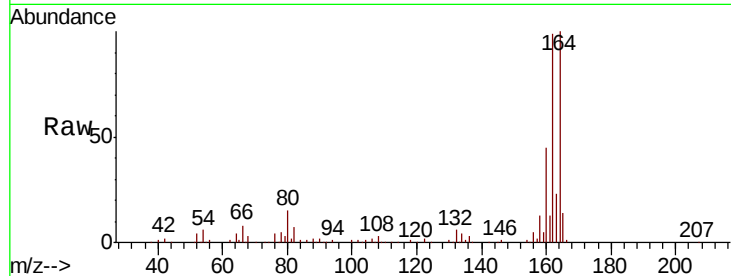




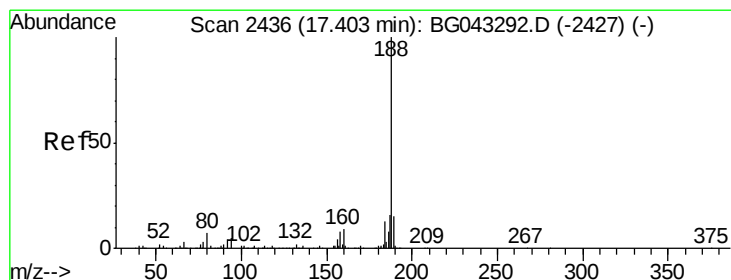
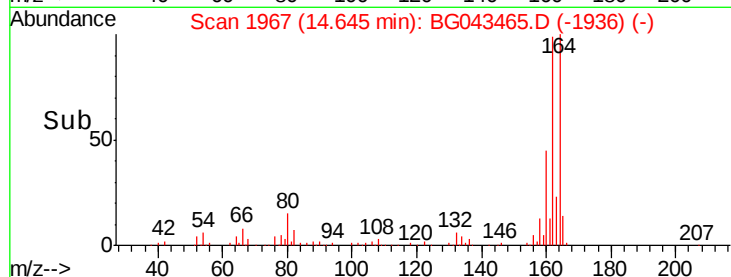
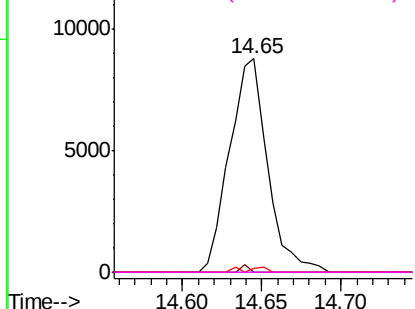
#57
 2,4-Dinitrotoluene
 Concen: 5.437 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.35 min
 Lab File: BG043465.D
 Acq: 1 Nov 2019 14:45

Instrument :
 BNA_G
 ClientSampled :
 RBR-52

Tot Ion:165 Resp: 14633
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.4 56.0#
 89 1.8 50.9 76.3#
 182 0.0 2.3 3.5#

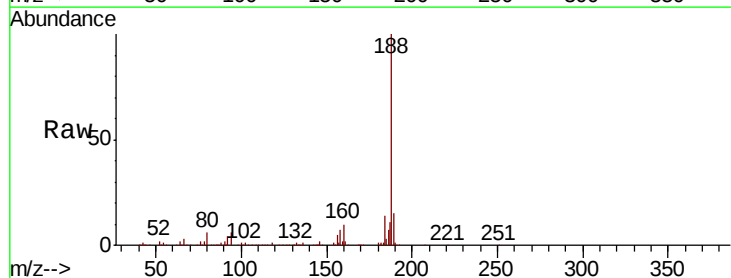


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

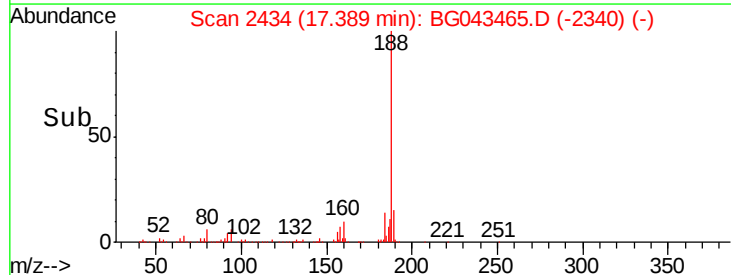
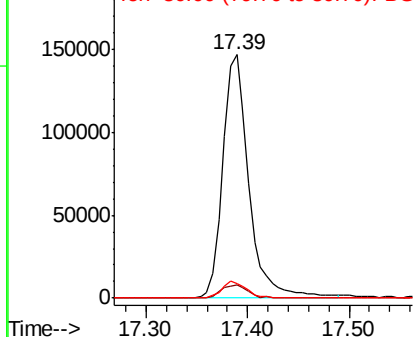


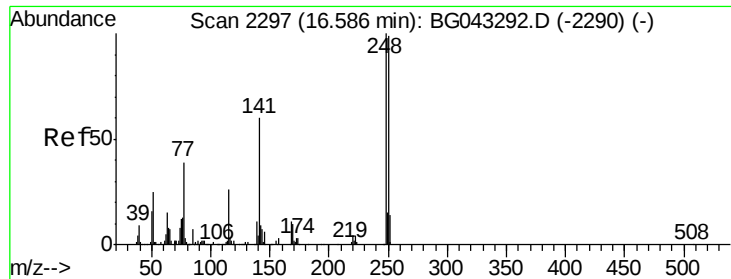
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. 0.02 min
 Lab File: BG043465.D
 Acq: 1 Nov 2019 14:45

Tgt Ion:188 Resp: 261874
 Ion Ratio Lower Upper
 188 100
 94 5.6 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

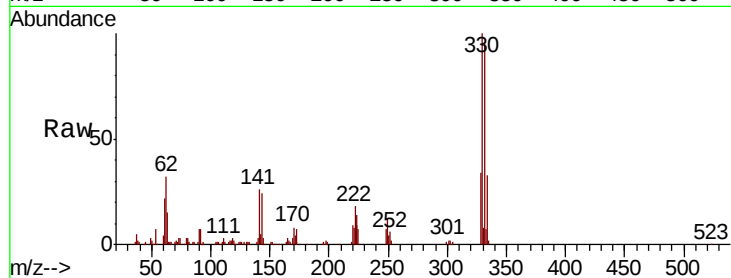




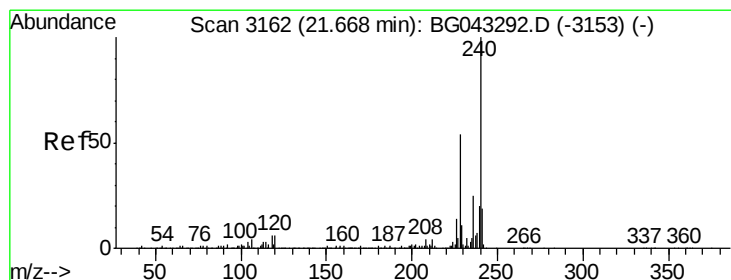
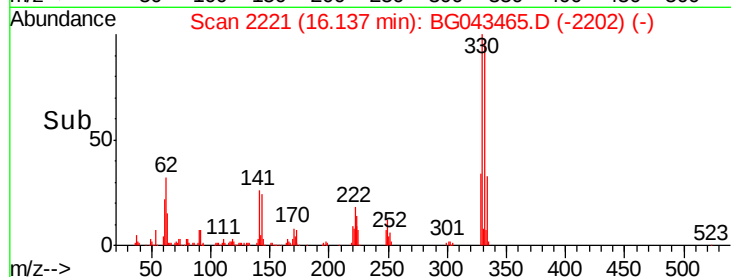
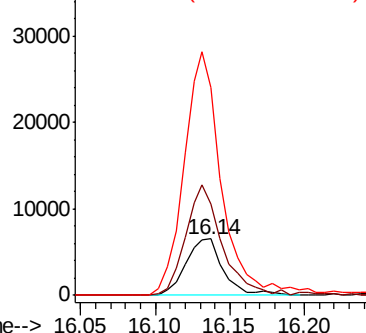
#67
4-Bromophenyl-phenylether
Concen: 3.247 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.42 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Instrument :
BNA_G
ClientSampleId :
RBR-52

Tot Ion:248 Resp: 11444
Ion Ratio Lower Upper
248 100
250 162.2 76.3 114.5#
141 367.0 49.5 74.3#

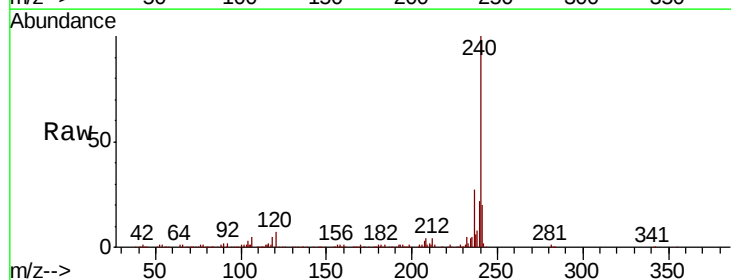


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

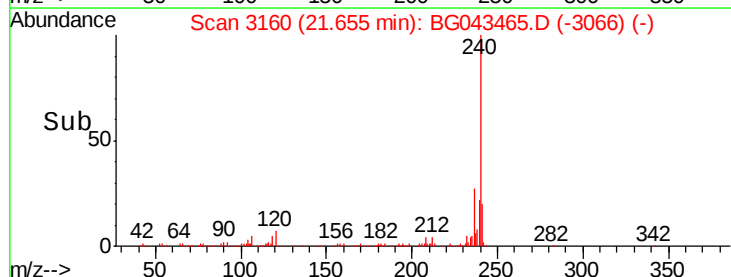
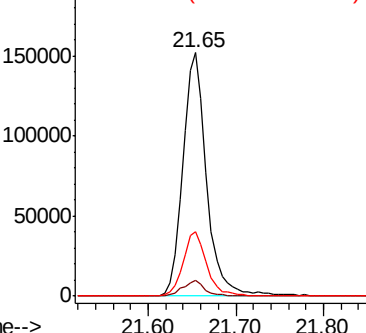


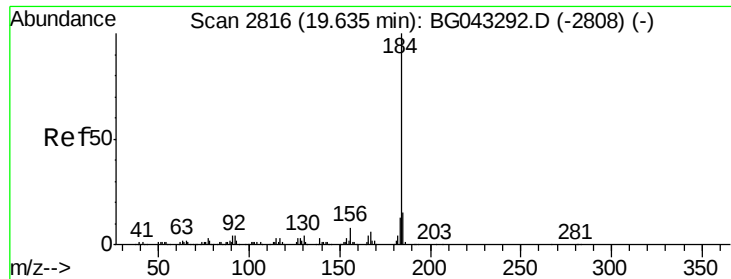
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BG043465.D
Acq: 1 Nov 2019 14:45

Tgt Ion:240 Resp: 284374
Ion Ratio Lower Upper
240 100
120 6.7 4.9 7.3
236 26.7 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





#77

Benzidine

Concen: 2.023 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

Instrument :

BNA_G

ClientSampleId :

RBR-52

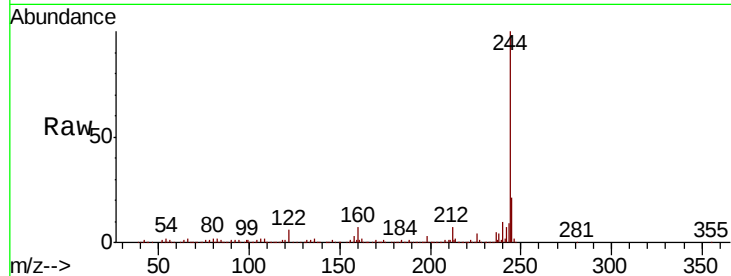
Tot Ion:184 Resp: 11576

Ion Ratio Lower Upper

184 100

185 9.2 12.7 19.1#

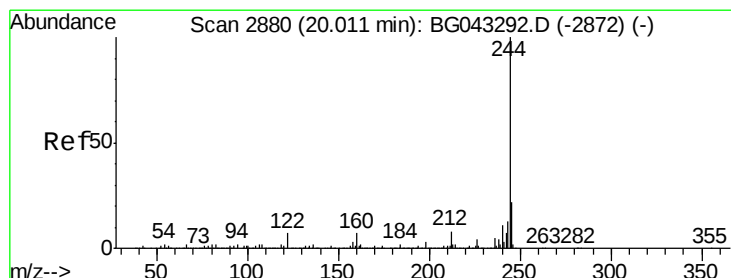
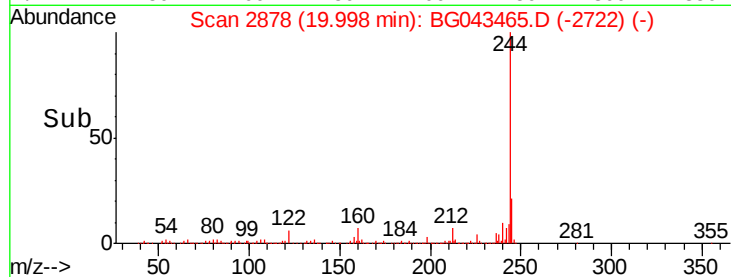
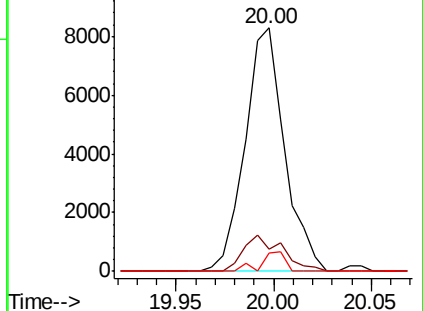
183 7.8 8.8 13.2#



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: 54.413 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043465.D

Acq: 1 Nov 2019 14:45

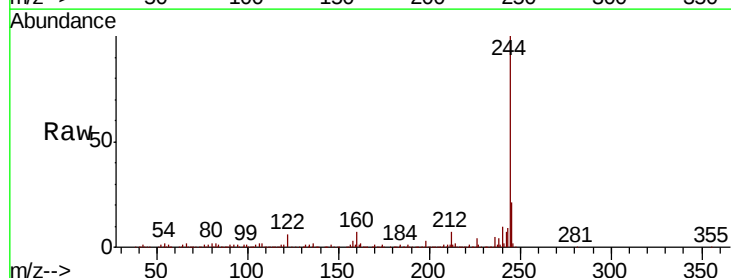
Tgt Ion:244 Resp: 824797

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

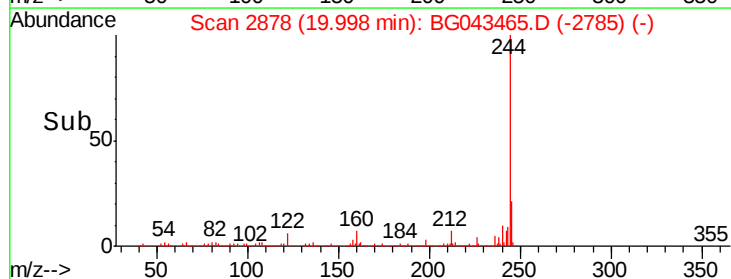
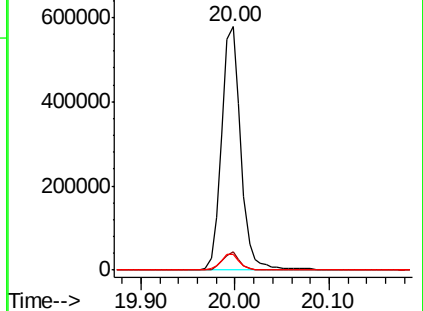
122 6.4 5.2 7.8

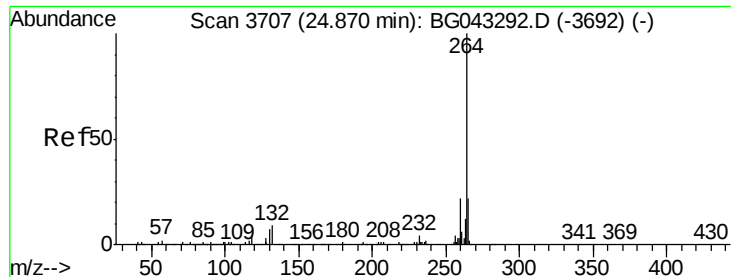


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3703
 Delta R.T. 0.03 min
 Lab File: BG043465.D
 Acq: 1 Nov 2019 14:45

Instrument :
 BNA_G
 ClientSampleId :
 RBR-52

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	20.9	15.8	23.8

