

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043491.D
 Acq On : 4 Nov 2019 21:41
 Operator : JU
 Sample : K5658-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 05 00:58:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

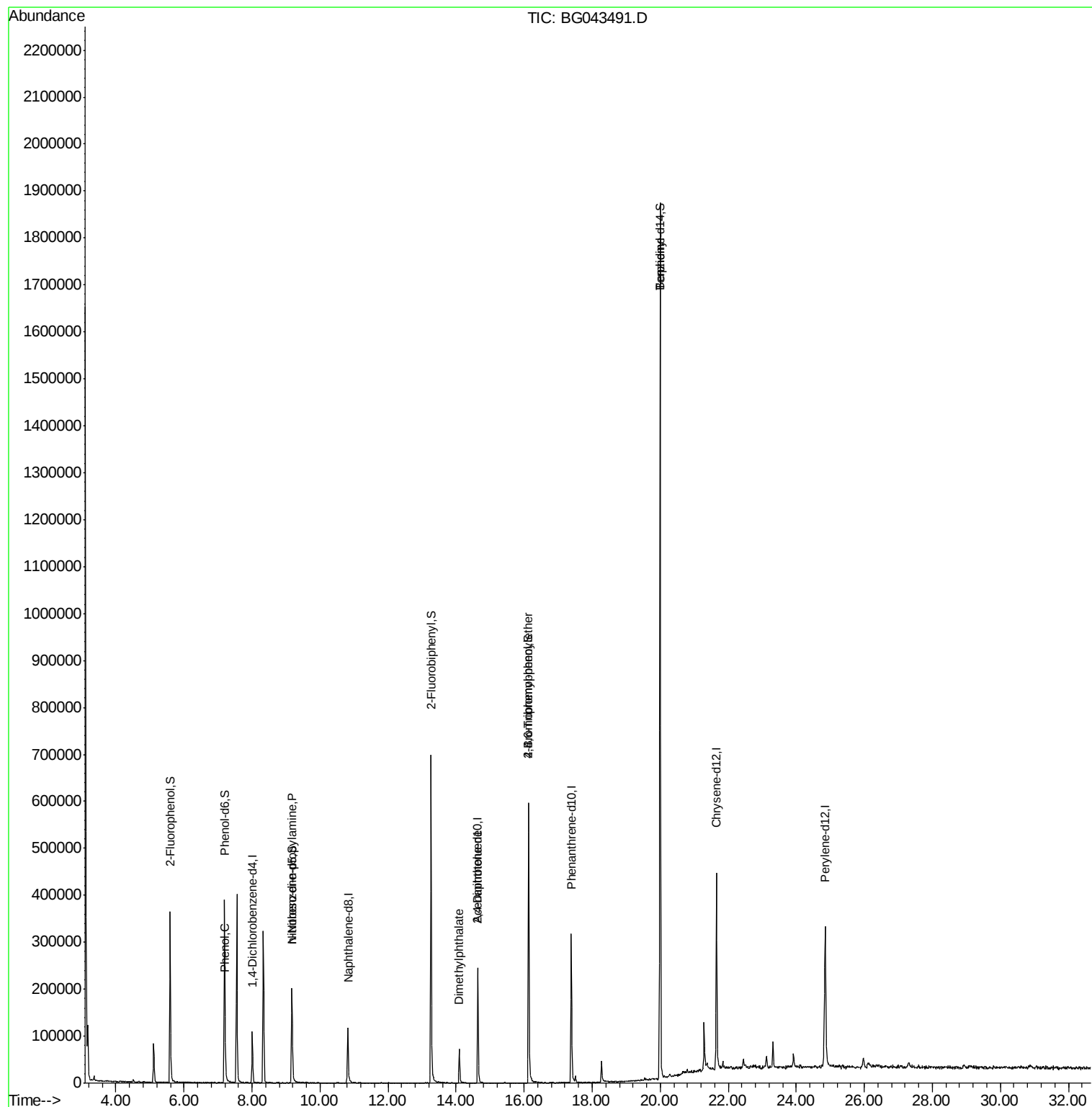
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	33993	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	128795	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	94241	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	235317	20.00	ng	0.00
76) Chrysene-d12	21.65	240	283383	20.00	ng	0.00
87) Perylene-d12	24.85	264	345074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	174619	94.13	ng	0.00
7) Phenol-d6	7.19	99	251806	94.34	ng	0.00
23) Nitrobenzene-d5	9.17	82	148932	59.62	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	160464	89.47	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	430480	63.12	ng	0.00
79) Terphenyl-d14	20.00	244	987612	65.38	ng	0.00
Target Compounds						
10) Phenol	7.22	94	10698	4.386	ng	94
19) n-Nitroso-di-n-propylamine	9.17	70	20429	11.845	ng	# 78
50) Dimethylphthalate	14.09	163	60847	8.336	ng	# 98
57) 2,4-Dinitrotoluene	14.64	165	13627	6.013	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	10543	3.329	ng	# 1
77) Benzidine	20.00	184	14275	2.503	ng	# 93

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

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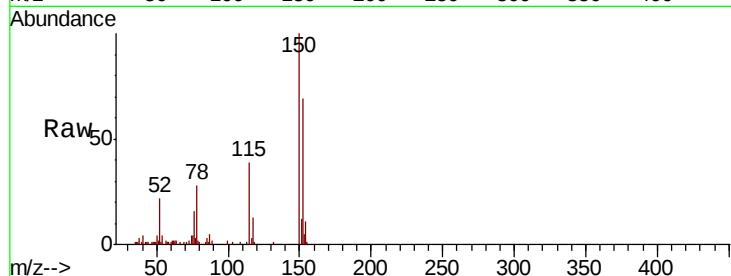


#1

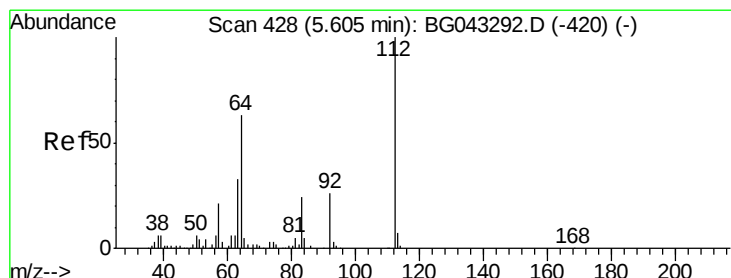
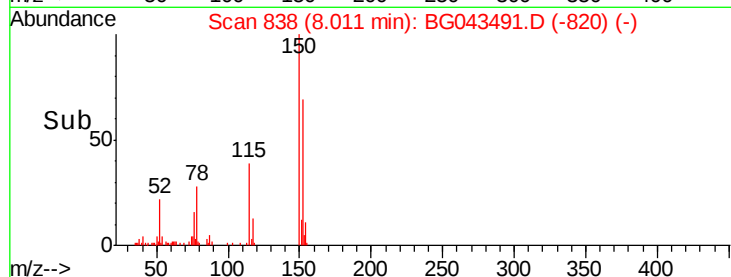
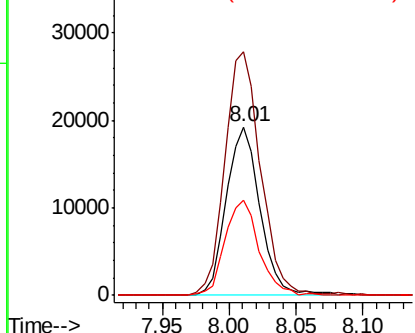
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33993
Ion Ratio Lower Upper
152 100
150 144.6 129.4 194.0
115 56.7 48.8 73.2



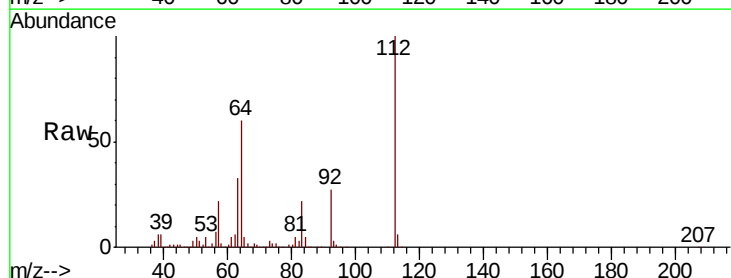
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



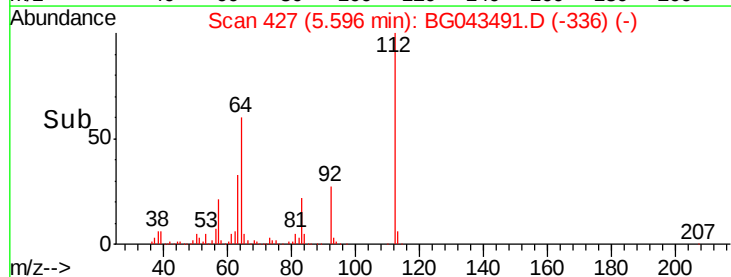
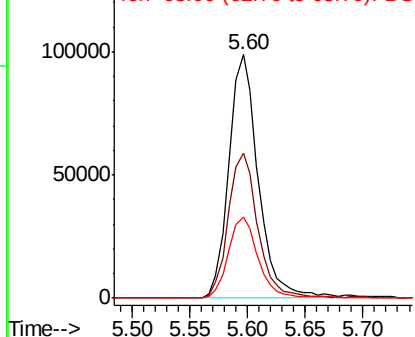
#5

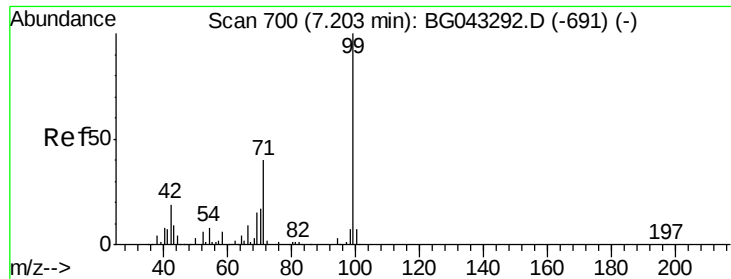
2-Fluorophenol
Concen: 94.131 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Tgt Ion:112 Resp: 174619
Ion Ratio Lower Upper
112 100
64 59.7 50.0 75.0
63 33.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 94.345 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

Instrument :

BNA_G

ClientSampleId :

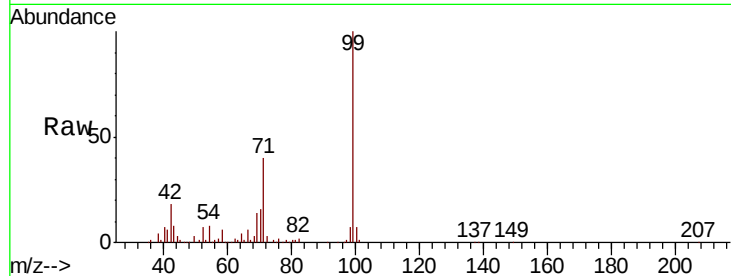
Tot Ion: 99 Resp: 251806

Ion Ratio Lower Upper

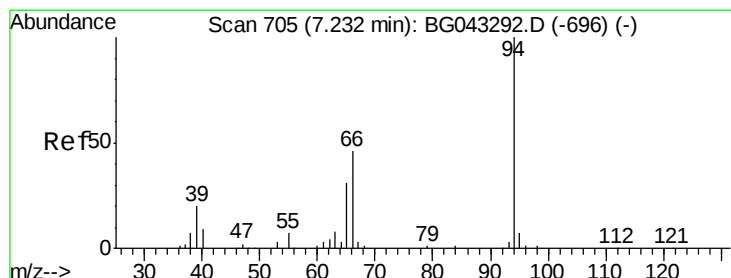
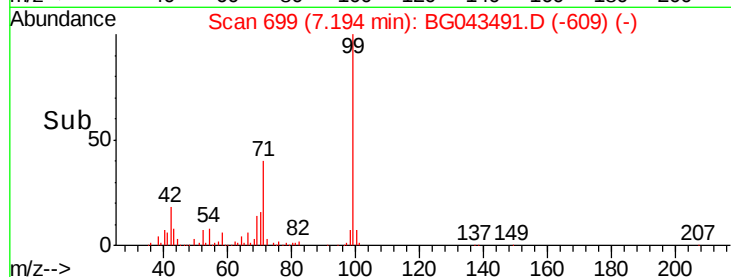
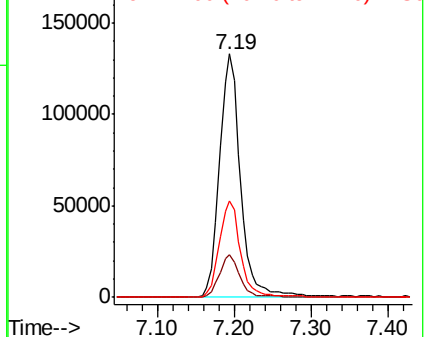
99 100

42 17.6 14.6 21.8

71 39.6 32.5 48.7



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: 4.386 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

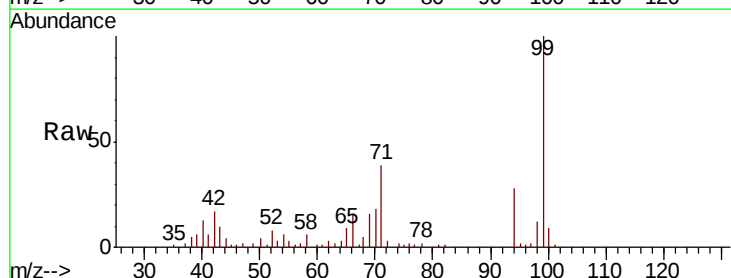
Tgt Ion: 94 Resp: 10698

Ion Ratio Lower Upper

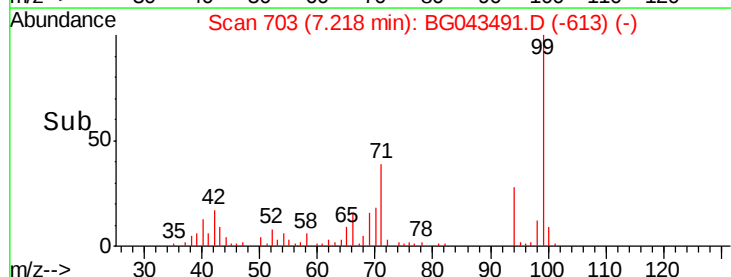
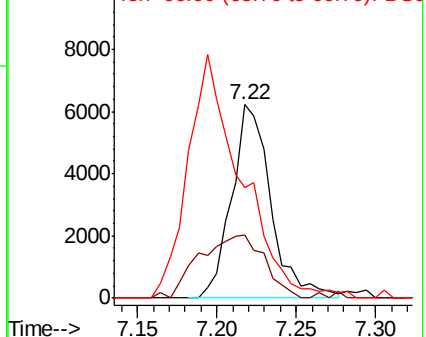
94 100

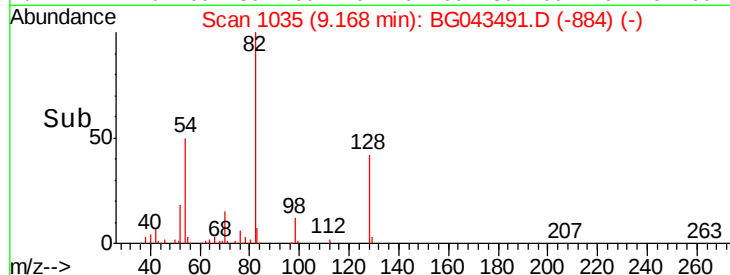
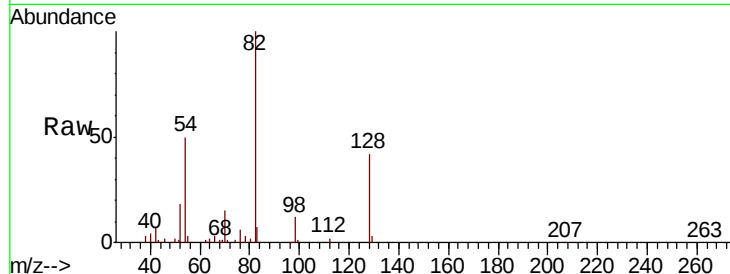
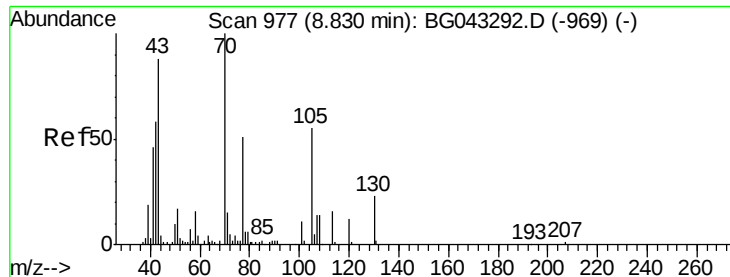
65 32.8 12.6 52.6

66 57.1 30.7 70.7



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

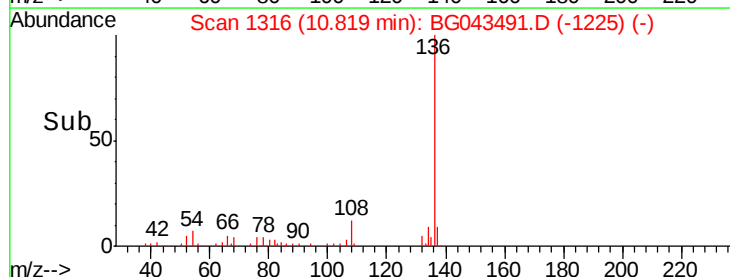
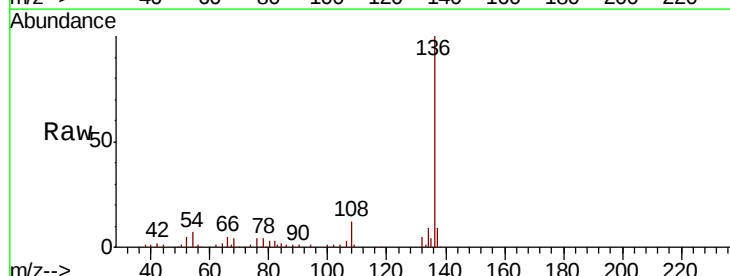
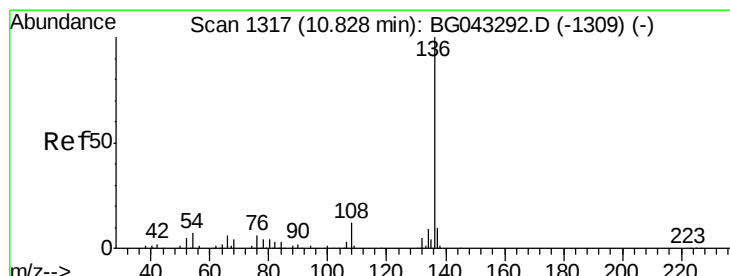
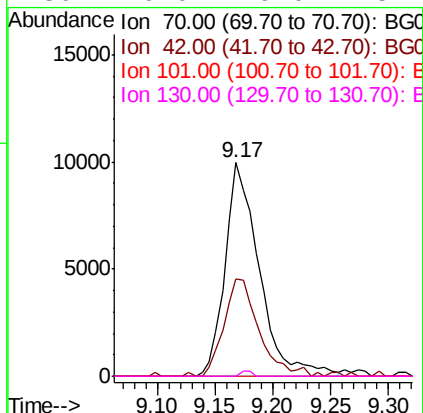




#19
n-Nitroso-di-n-propylamine
Concen: 11.845 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

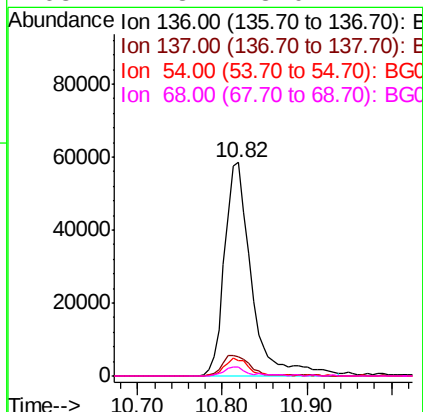
Instrument :
BNA_G
ClientSampleId :

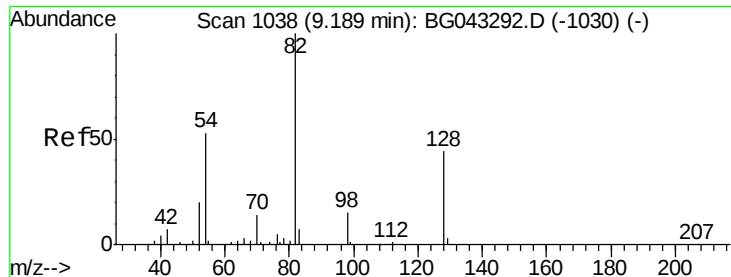
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.6	41.4	62.2
101	0.0	7.9	11.9#
130	0.0	19.0	28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	9.3	8.7	13.1
54	7.1	5.4	8.2
68	4.3	3.0	4.4

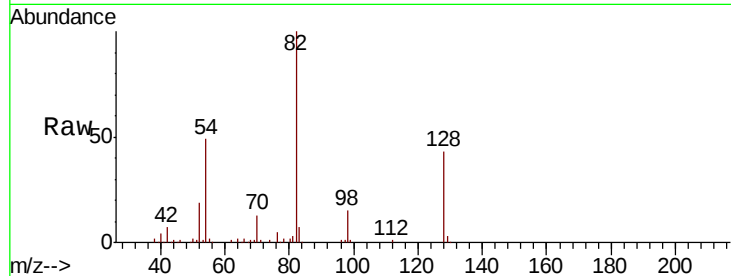




#23
Nitrobenzene-d5
Concen: 59.615 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	148932
Ion Ratio	Lower	Upper	
82	100		
128	43.4	35.0	52.6
54	49.4	40.2	60.2

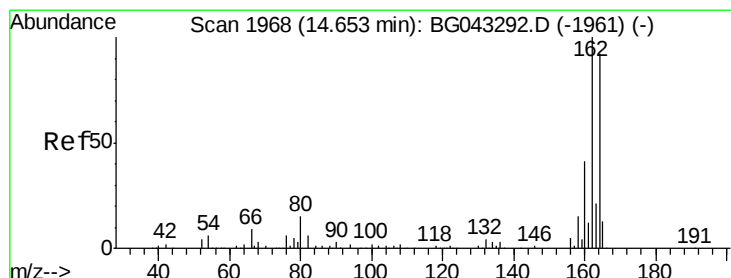
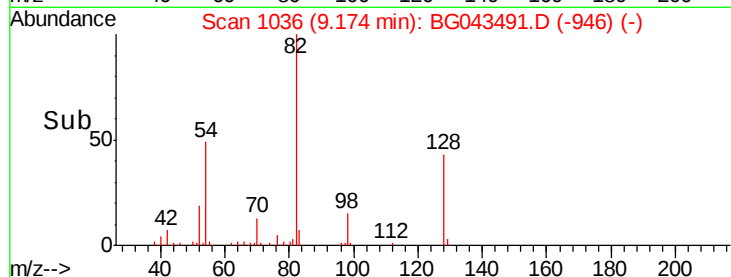
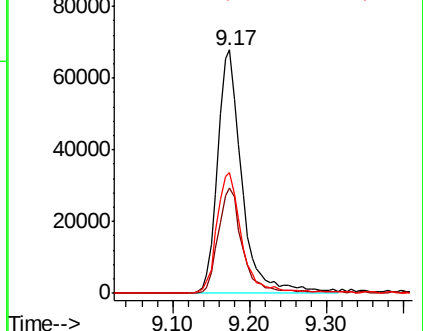


Abundance

Ion 82.00 (81.70 to 82.70): BGC

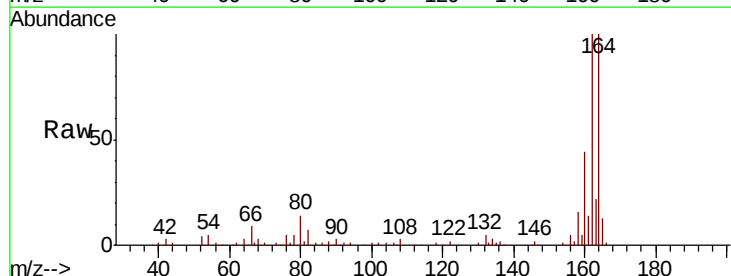
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Tgt Ion	164	Resp	94241
Ion Ratio	Lower	Upper	
164	100		
162	99.9	83.5	125.3
160	44.4	36.5	54.7

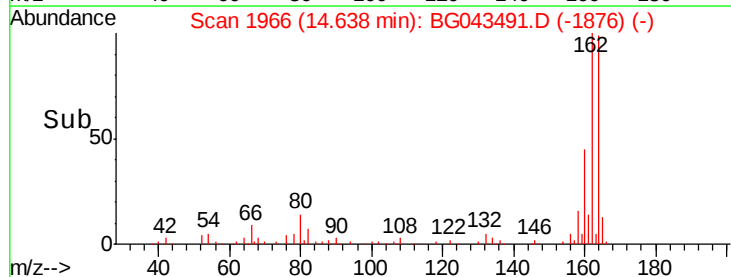
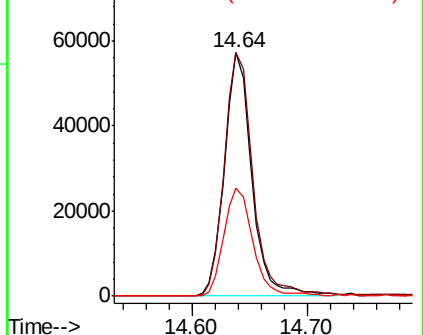


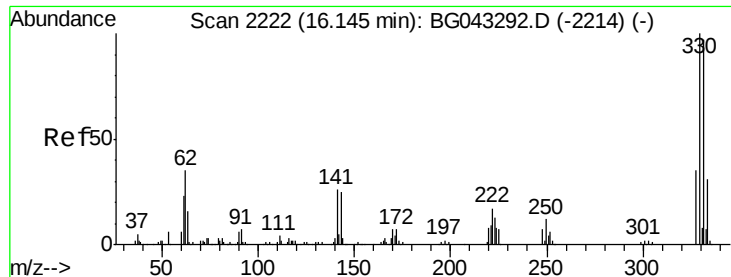
Abundance

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

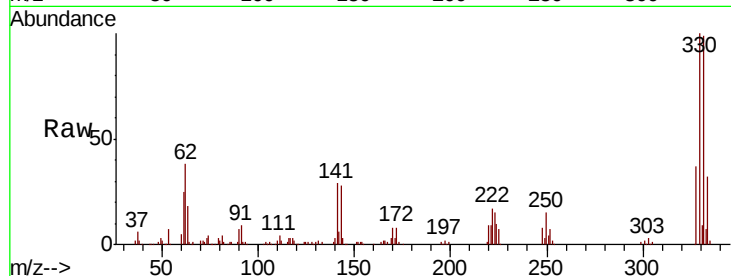




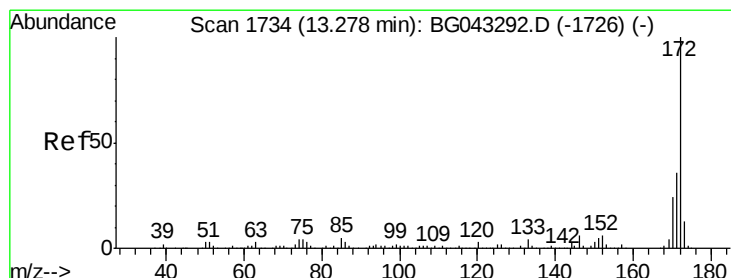
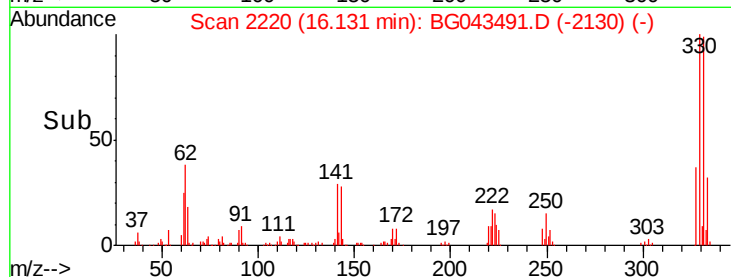
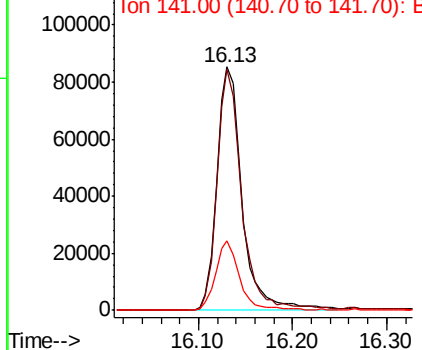
#42
 2,4,6-Tribromophenol
 Concen: 89.474 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043491.D
 Acq: 4 Nov 2019 21:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	27.1	22.8	34.2

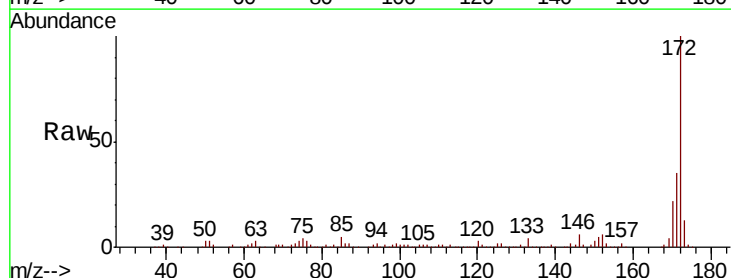


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

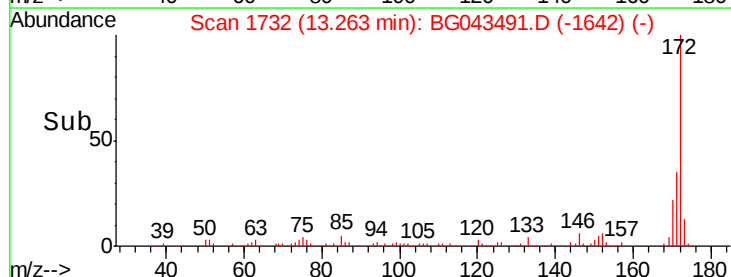
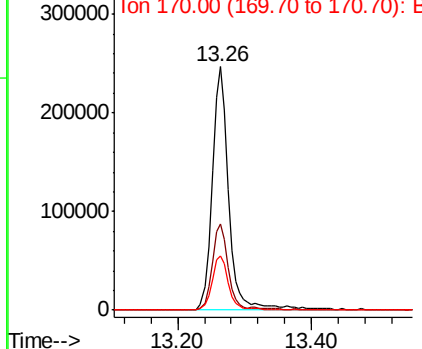


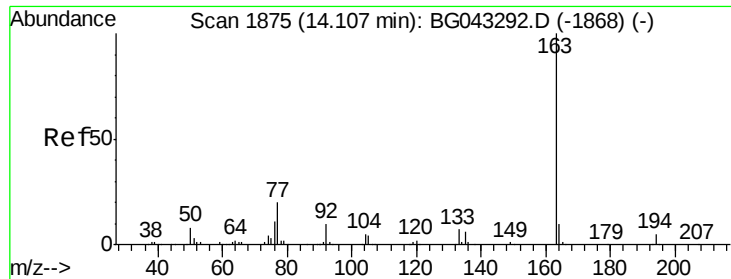
#45
 2-Fluorobiphenyl
 Concen: 63.119 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043491.D
 Acq: 4 Nov 2019 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	22.4	18.5	27.7



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

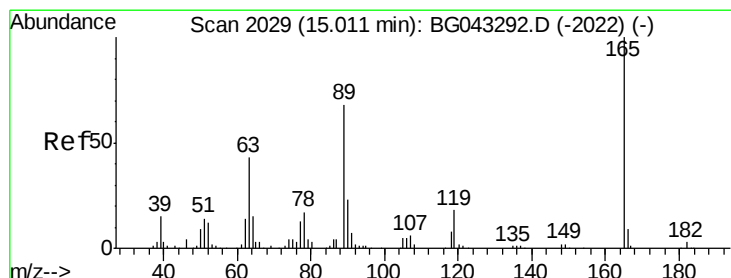
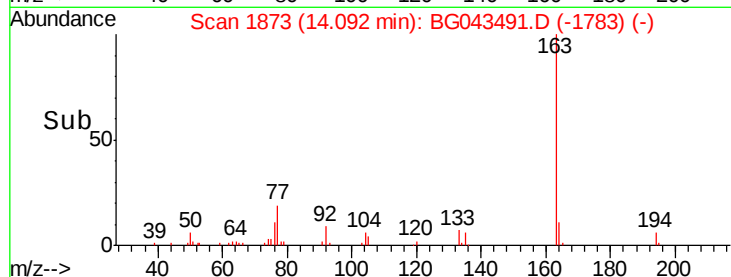
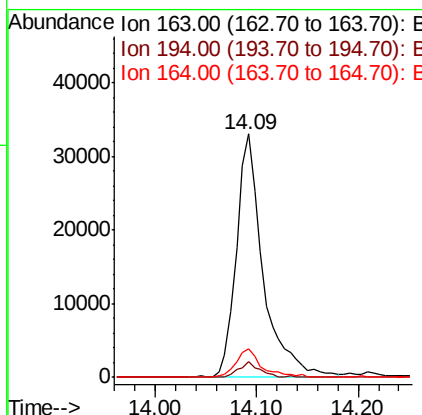
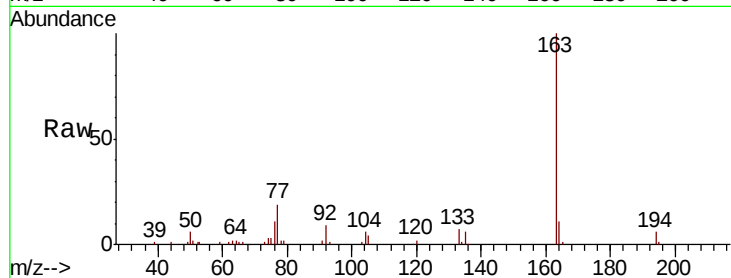




#50
Dimethylphthalate
Concen: 8.336 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

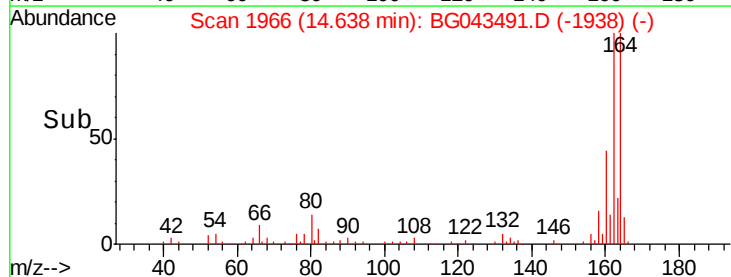
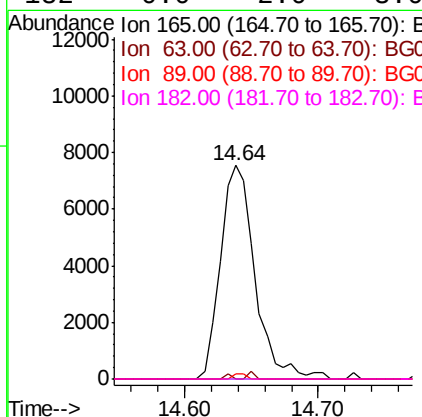
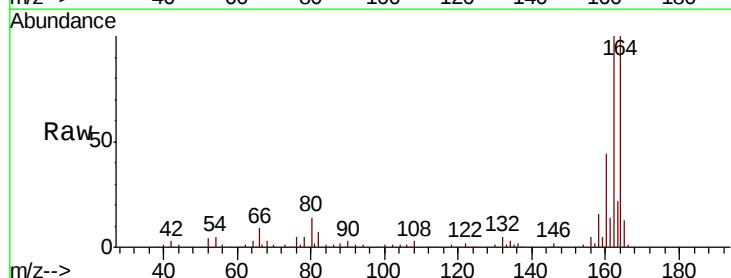
Instrument :
BNA_G
ClientSampleId :

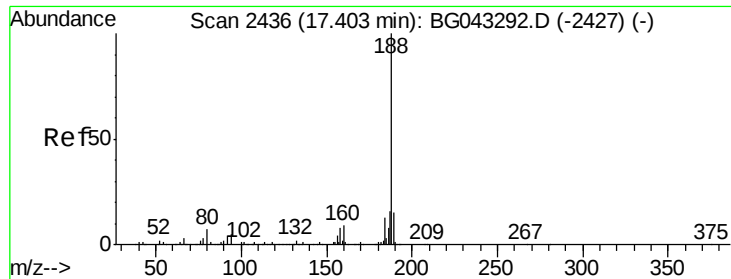
Tot Ion:163 Resp: 60847
Ion Ratio Lower Upper
163 100
194 6.4 3.8 5.6#
164 11.5 8.9 13.3



#57
2,4-Dinitrotoluene
Concen: 6.013 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.37 min
Lab File: BG043491.D
Acq: 4 Nov 2019 21:41

Tgt Ion:165 Resp: 13627
Ion Ratio Lower Upper
165 100
63 0.0 33.2 49.8#
89 2.7 52.2 78.4#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

Instrument :

BNA_G

ClientSampleId :

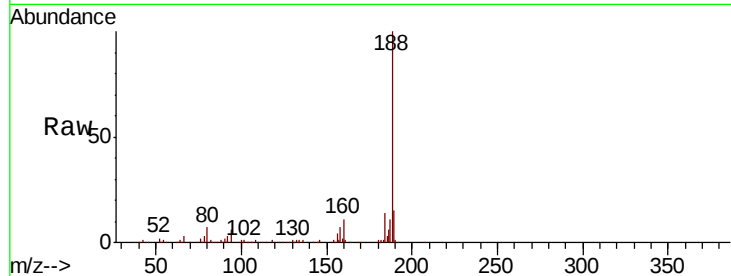
Tot Ion:188 Resp: 235317

Ion Ratio Lower Upper

188 100

94 5.7 4.2 6.4

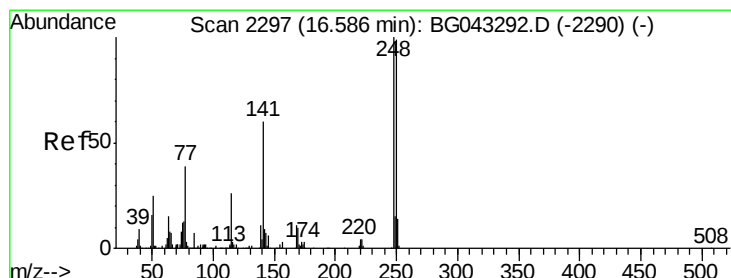
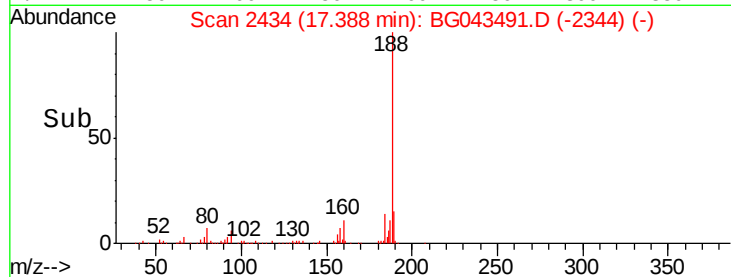
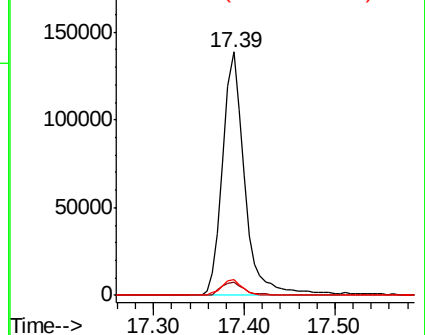
80 6.7 4.5 6.7



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: 3.329 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

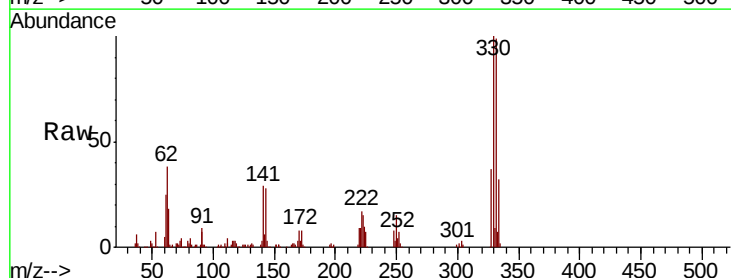
Tgt Ion:248 Resp: 10543

Ion Ratio Lower Upper

248 100

250 185.1 77.0 115.4#

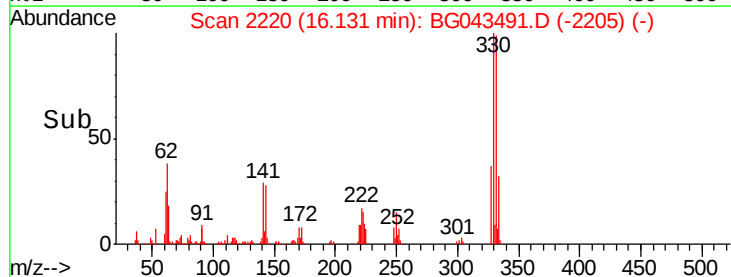
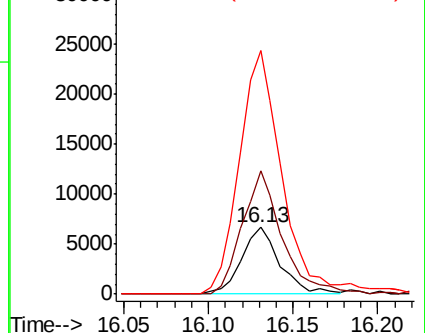
141 364.4 47.5 71.3#

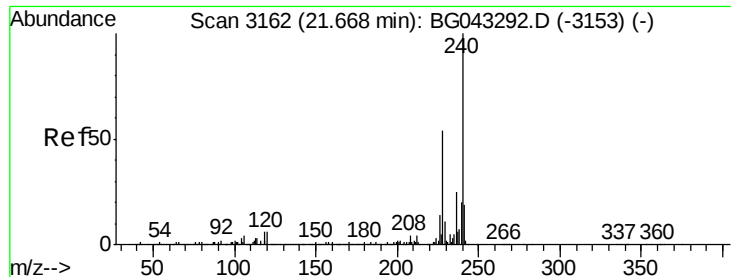


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

Instrument :

BNA_G

ClientSampleId :

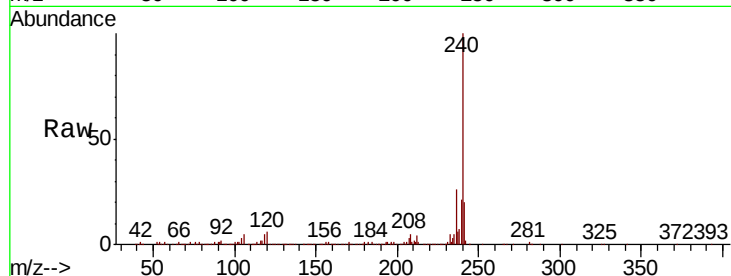
Tot Ion:240 Resp: 283383

Ion Ratio Lower Upper

240 100

120 6.3 4.6 6.8

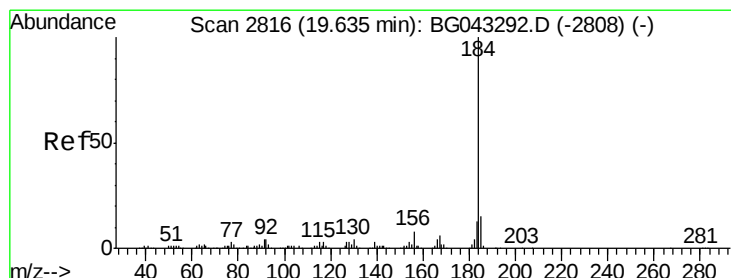
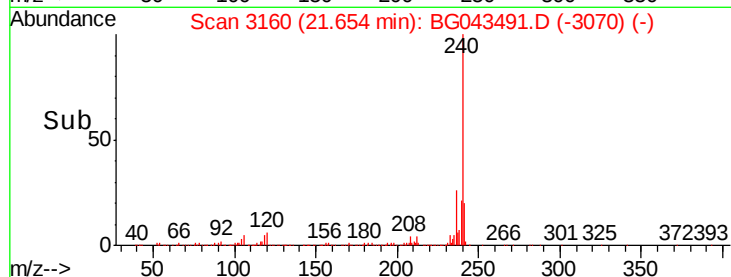
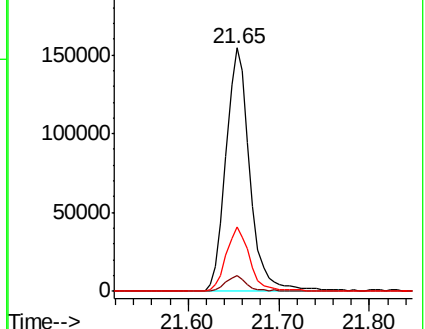
236 26.3 19.8 29.8



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: 2.503 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

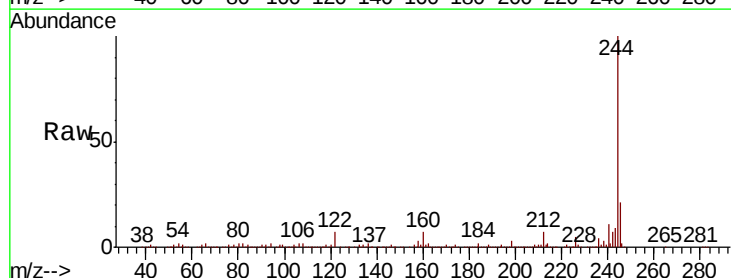
Tgt Ion:184 Resp: 14275

Ion Ratio Lower Upper

184 100

185 15.1 11.0 16.4

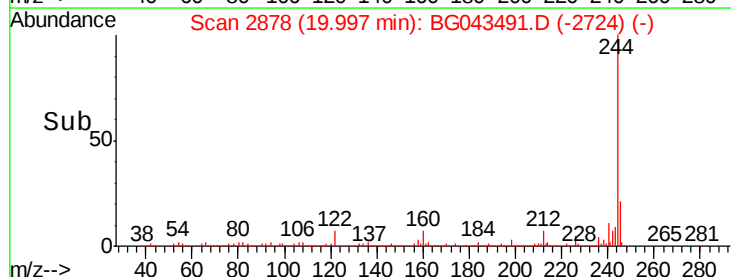
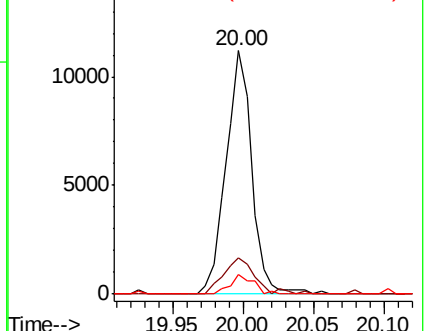
183 8.1 10.0 15.0#

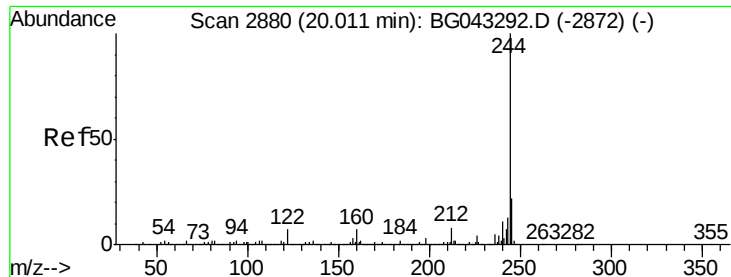


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 65.382 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

Instrument :

BNA_G

ClientSampled :

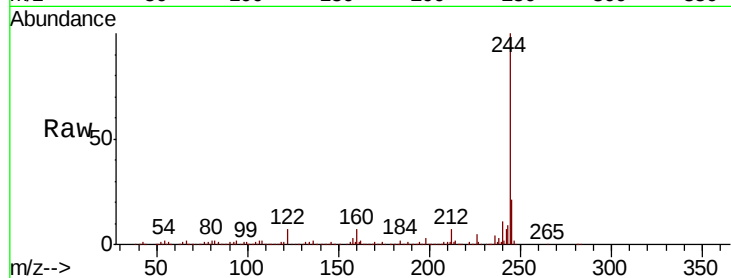
Tot Ion:244 Resp: 987612

Ion Ratio Lower Upper

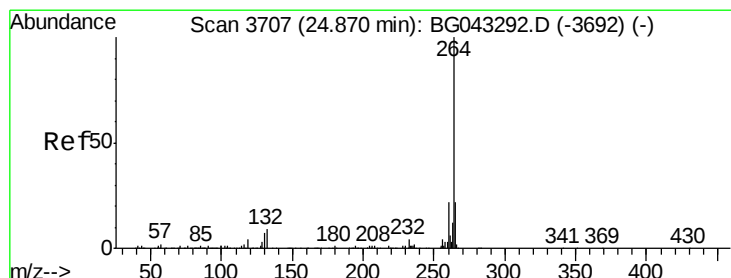
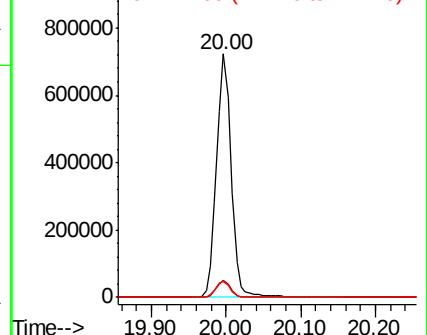
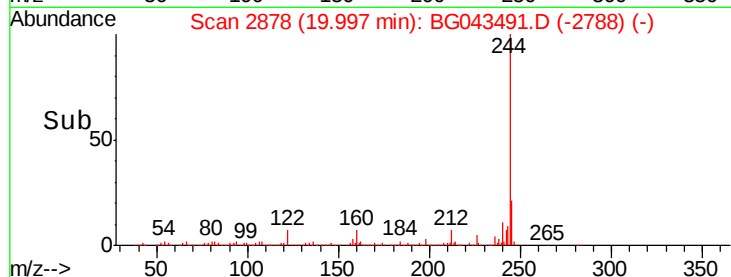
244 100

212 7.1 5.8 8.6

122 6.7 5.4 8.2



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: 24.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: BG043491.D

Acq: 4 Nov 2019 21:41

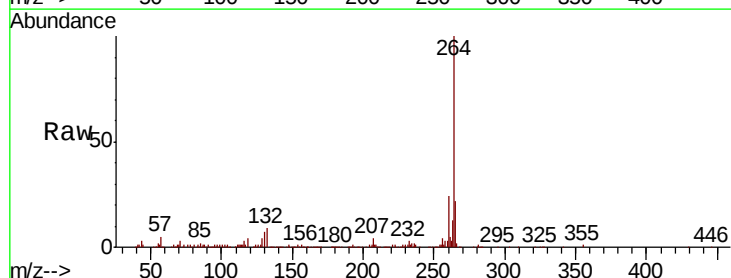
Tgt Ion:264 Resp: 345074

Ion Ratio Lower Upper

264 100

260 24.4 17.5 26.3

265 21.7 17.4 26.0



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

