

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043651.D
 Acq On : 15 Nov 2019 8:17
 Operator : JU
 Sample : PB124801TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 15 10:06:50 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

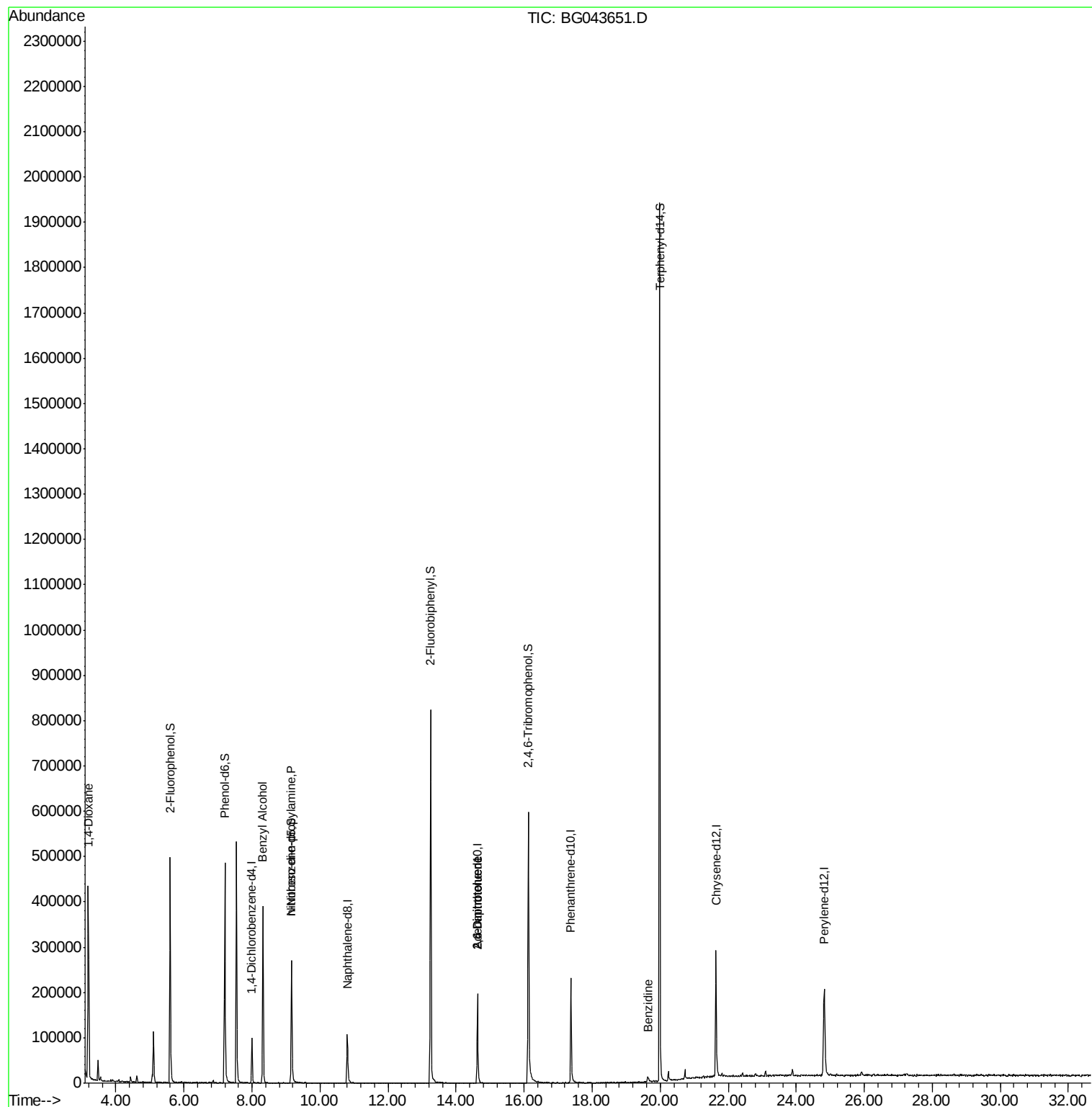
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	30197	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	105901	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	80954	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	189726	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	202774	20.00	ng	-0.01
87) Perylene-d12	24.82	264	231295	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	225017	136.55	ng	0.00
7) Phenol-d6	7.20	99	304043	128.24	ng	0.00
23) Nitrobenzene-d5	9.16	82	186331	90.71	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	176063	114.29	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	495165	84.52	ng	-0.01
79) Terphenyl-d14	19.99	244	1043299	96.53	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.19	88	5686	8.854	ng	# 1
15) Benzyl Alcohol	8.32	79	3424	2.056	ng	# 53
19) n-Nitroso-di-n-propylamine	9.16	70	26320	17.179	ng	# 83
51) 2,6-Dinitrotoluene	14.63	165	10632	7.805	ng	# 26
57) 2,4-Dinitrotoluene	14.63	165	10632	5.461	ng	# 28
77) Benzidine	19.63	184	18908	4.633	ng	98

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

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QLast Update : Mon Nov 04 15:22:15 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

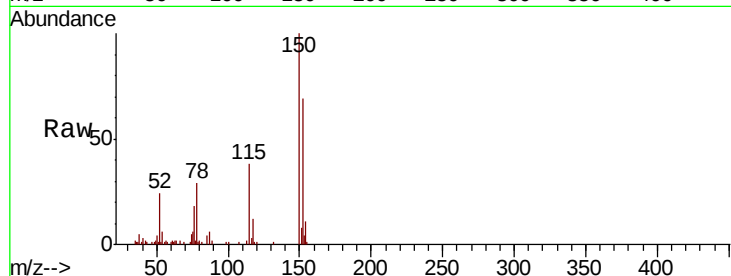
Tot Ion:152 Resp: 30197

Ion Ratio Lower Upper

152 100

150 145.7 129.4 194.0

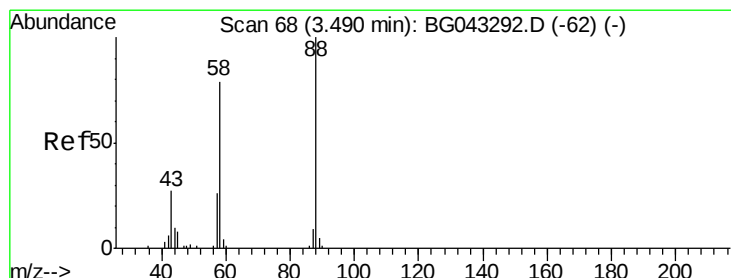
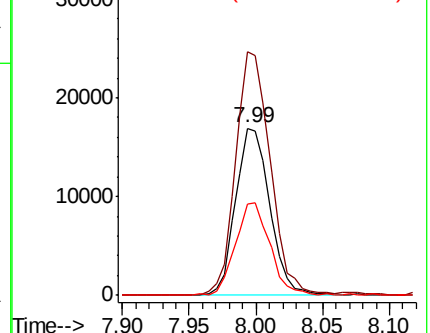
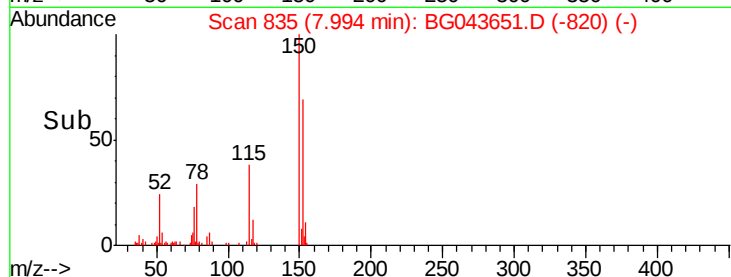
115 54.7 48.8 73.2



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



#2

1,4-Dioxane

Concen: 8.854 ng

RT: 3.19 min Scan# 18

Delta R.T. -0.28 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

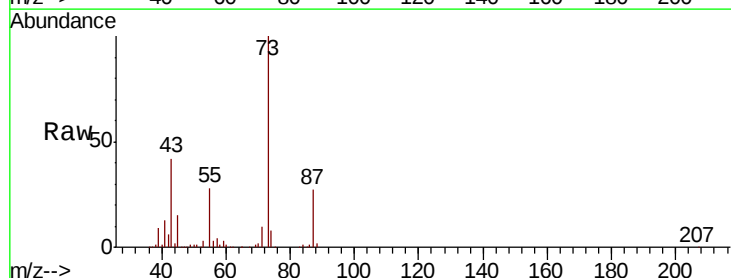
Tgt Ion: 88 Resp: 5686

Ion Ratio Lower Upper

88 100

58 54.2 62.7 94.1#

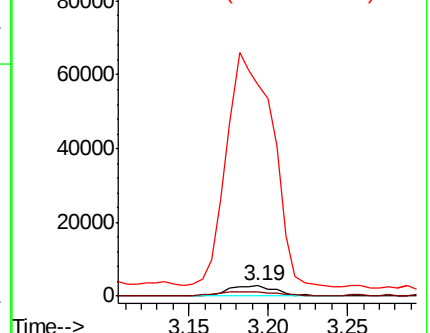
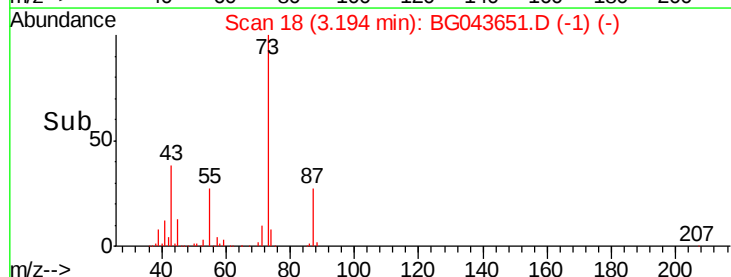
43 2255.4 23.7 35.5#

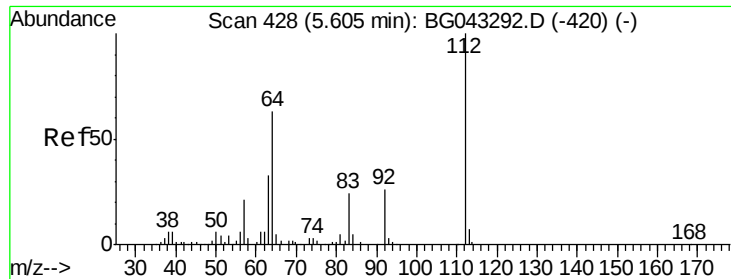


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 136.547 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

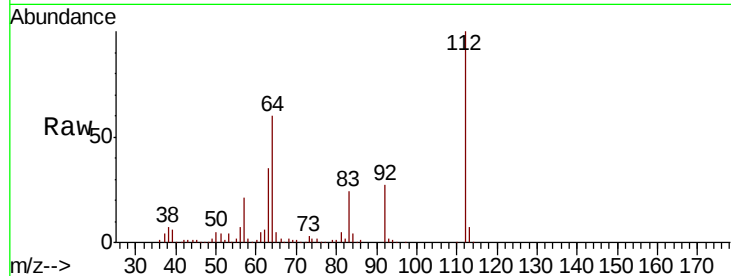
Tot Ion:112 Resp: 225017

Ion Ratio Lower Upper

112 100

64 59.5 50.0 75.0

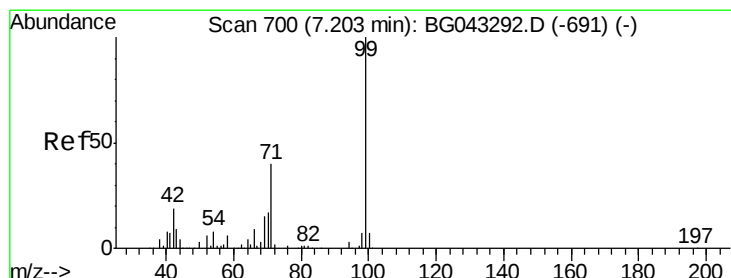
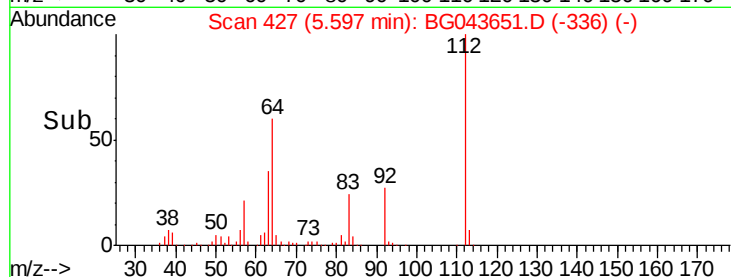
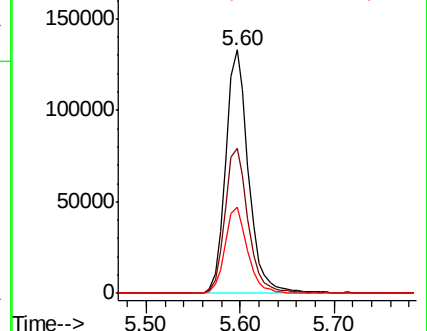
63 35.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 128.237 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

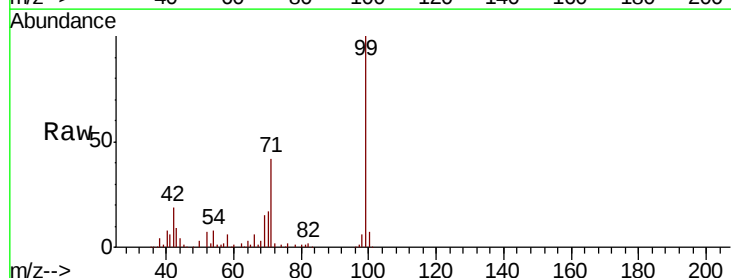
Tgt Ion: 99 Resp: 304043

Ion Ratio Lower Upper

99 100

42 18.8 14.6 21.8

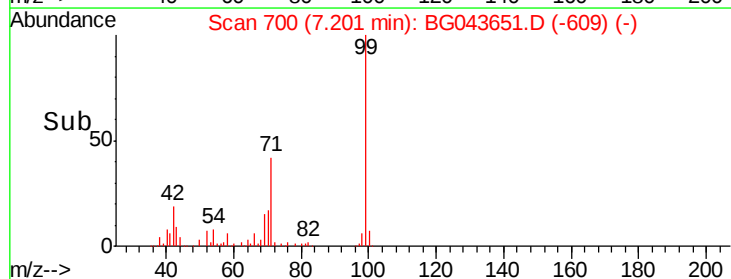
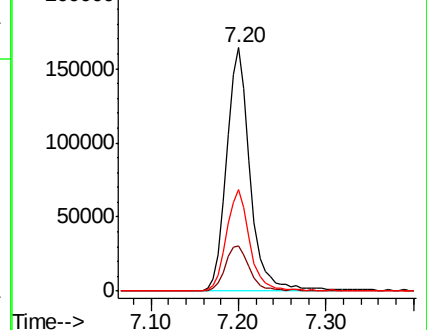
71 41.8 32.5 48.7

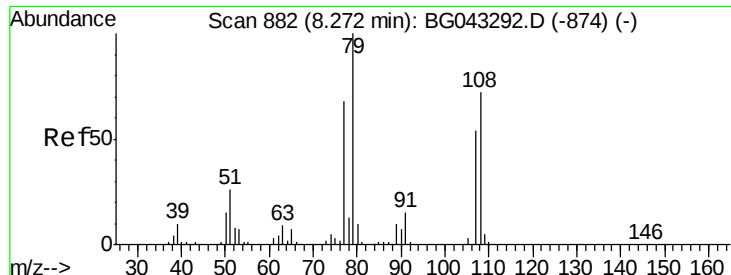


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

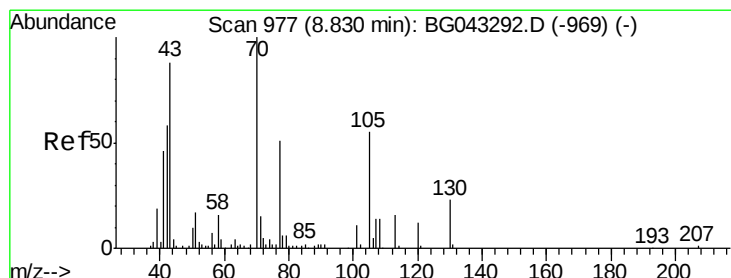
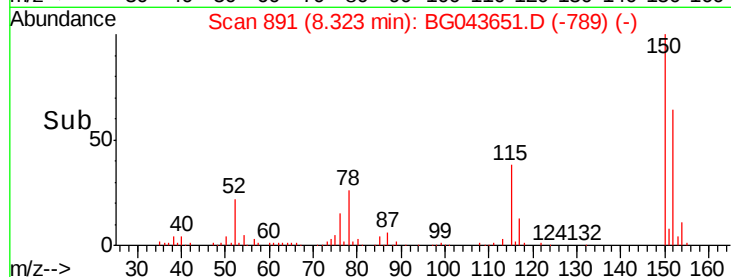
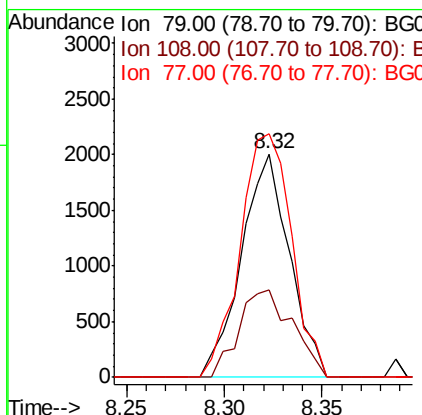
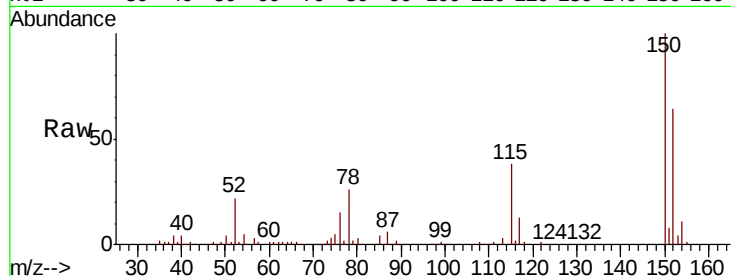




#15
Benzyl Alcohol
Concen: 2.056 ng
RT: 8.32 min Scan# 891
Delta R.T. 0.07 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

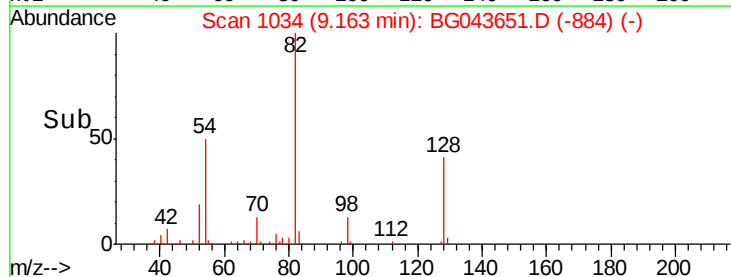
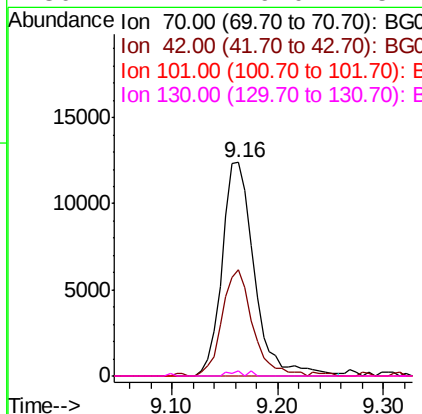
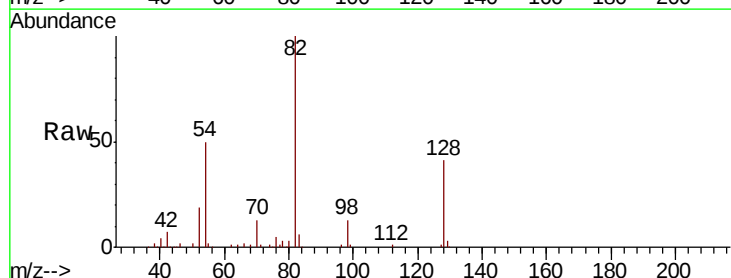
Instrument :
BNA_G
ClientSampleId :

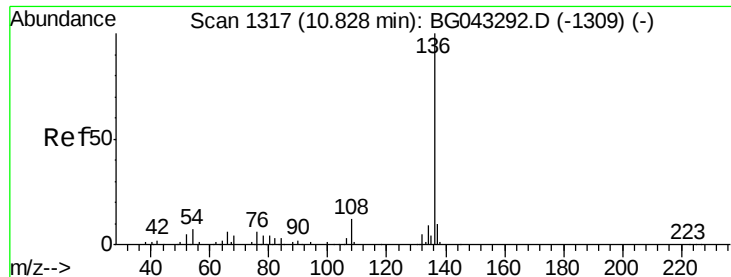
Tot Ion: 79 Resp: 3424
Ion Ratio Lower Upper
79 100
108 39.4 53.6 80.4#
77 109.1 49.6 74.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.179 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Tgt Ion: 70 Resp: 26320
Ion Ratio Lower Upper
70 100
42 49.7 41.4 62.2
101 0.0 7.9 11.9#
130 2.2 19.0 28.4#

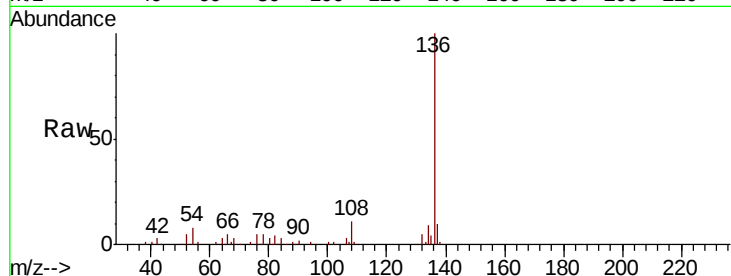




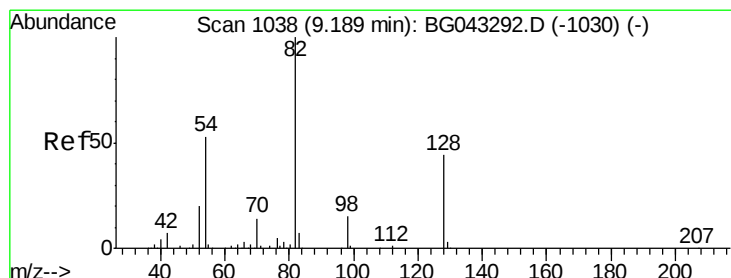
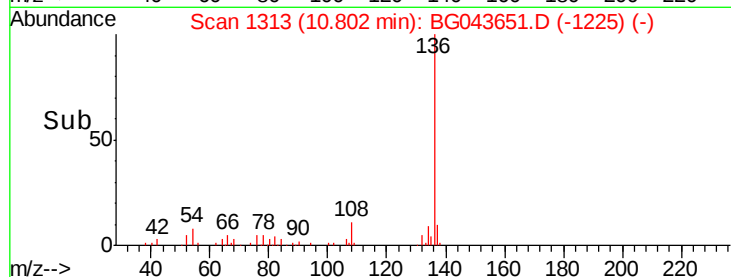
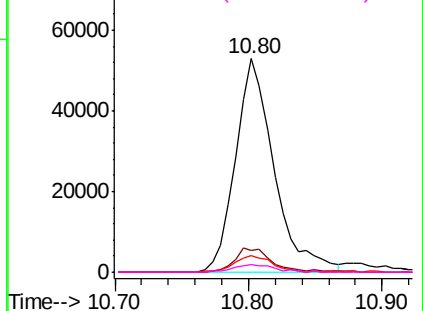
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	105901
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.7 13.1
54	8.0	5.4 8.2
68	3.5	3.0 4.4

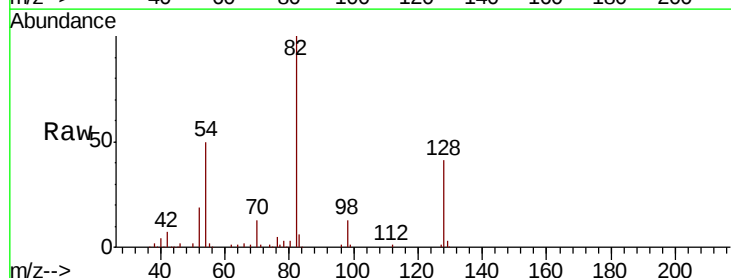


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

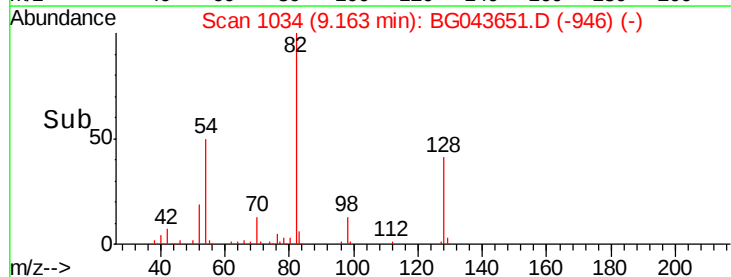
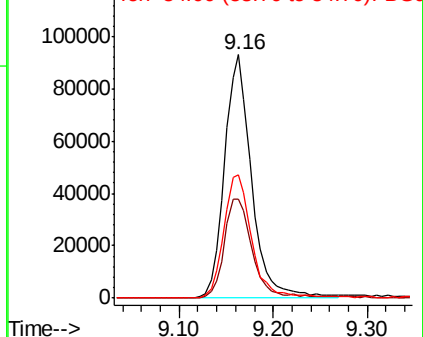


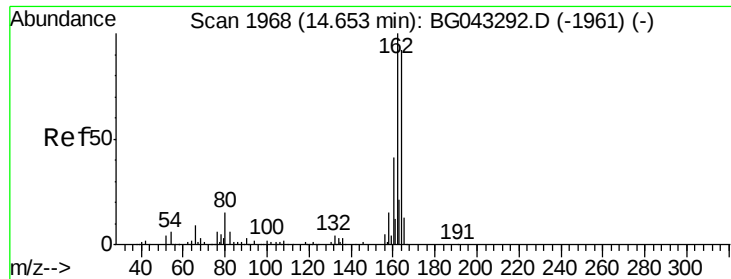
#23
Nitrobenzene-d5
Concen: 90.709 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043651.D
Acq: 15 Nov 2019 8:17

Tgt Ion: 82	Resp:	186331
Ion	Ratio	Lower Upper
82	100	
128	40.7	35.0 52.6
54	50.5	40.2 60.2



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: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

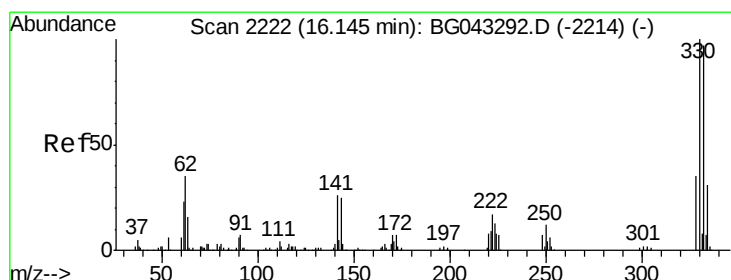
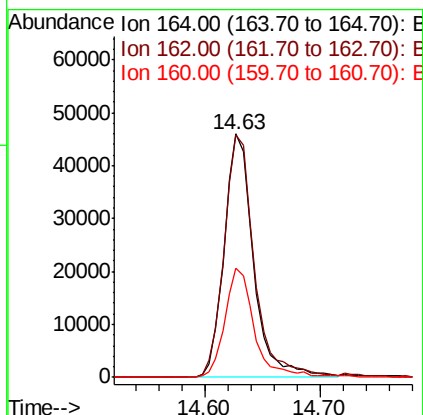
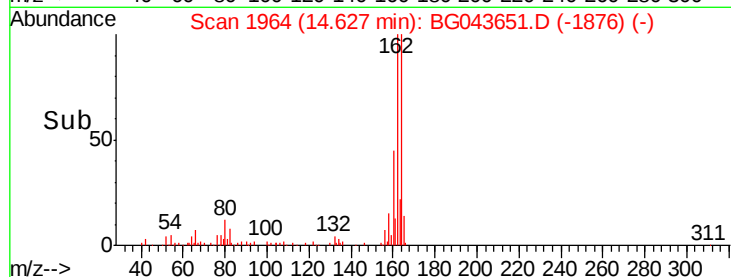
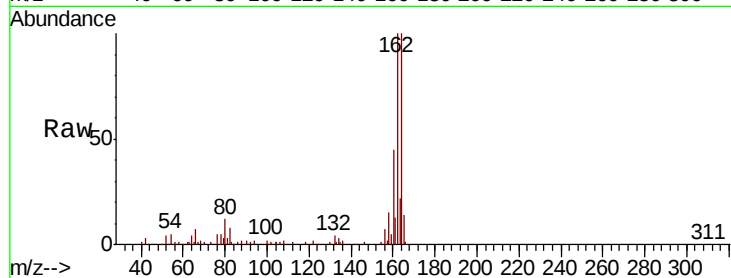
Tot Ion:164 Resp: 80954

Ion Ratio Lower Upper

164 100

162 99.7 83.5 125.3

160 44.8 36.5 54.7



#42

2,4,6-Tribromophenol

Concen: 114.285 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

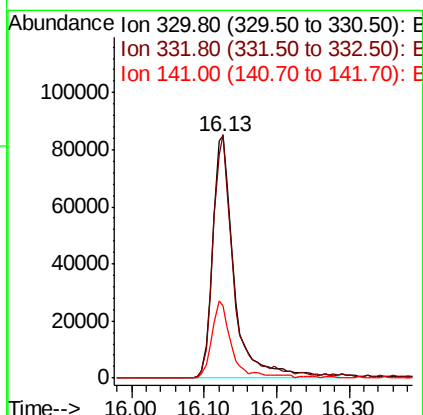
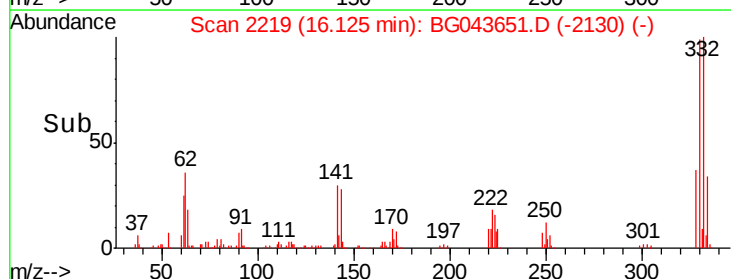
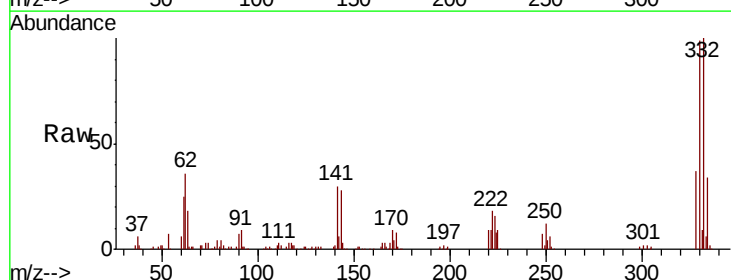
Tgt Ion:330 Resp: 176063

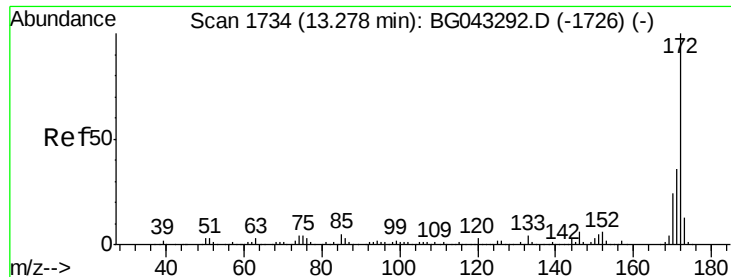
Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

141 28.3 22.8 34.2

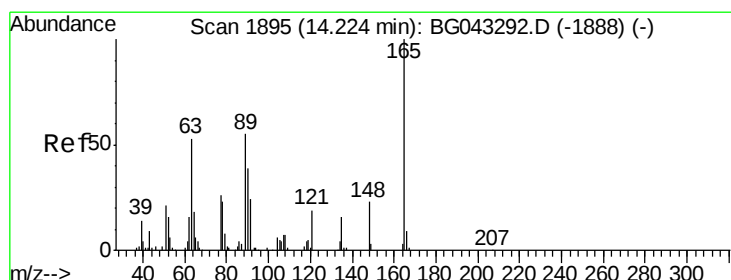
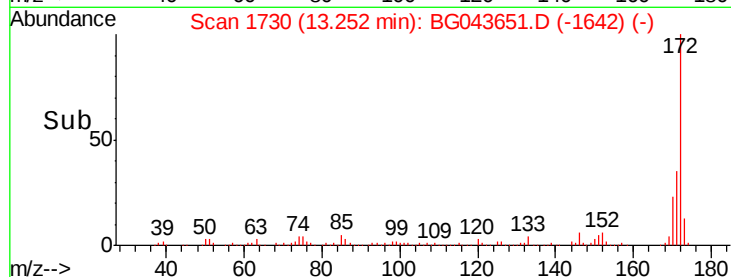
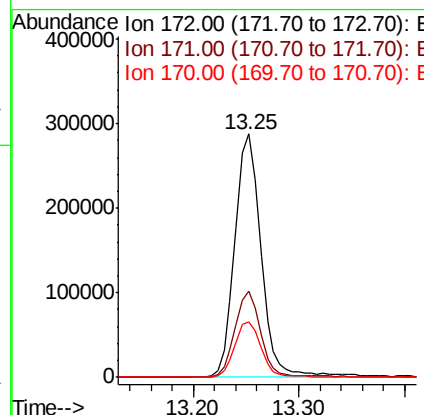
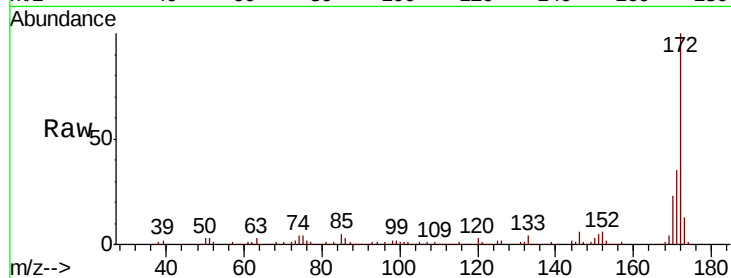




#45
 2-Fluorobiphenyl
 Concen: 84.520 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

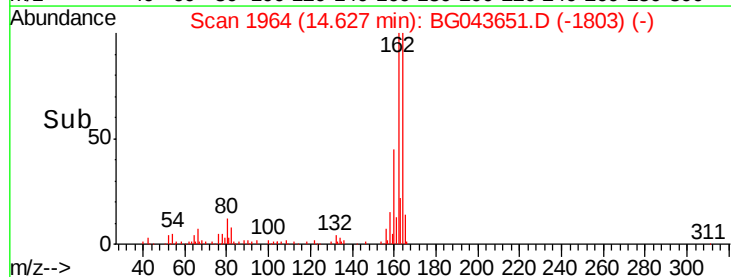
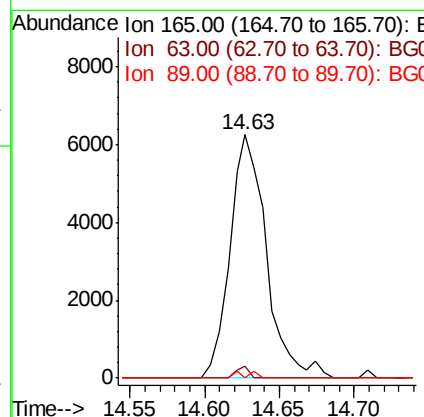
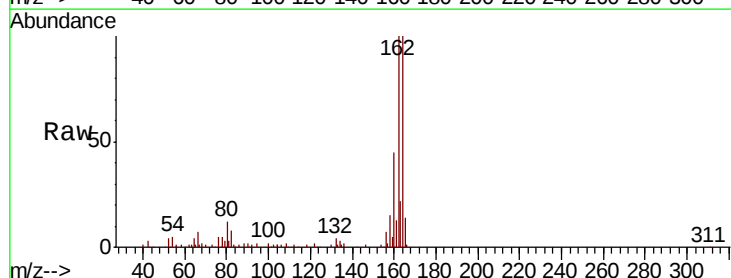
Instrument :
 BNA_G
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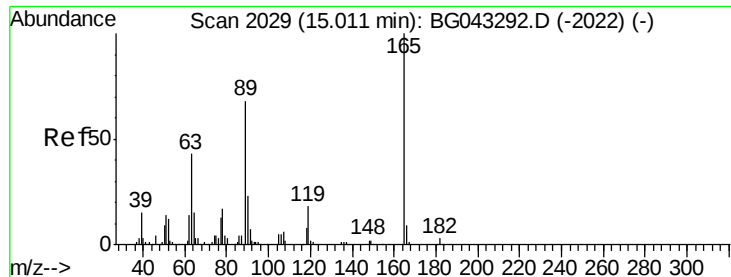
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	22.6	18.5	27.7



#51
 2,6-Dinitrotoluene
 Concen: 7.805 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.0	46.6	69.8#
89	0.0	45.1	67.7#

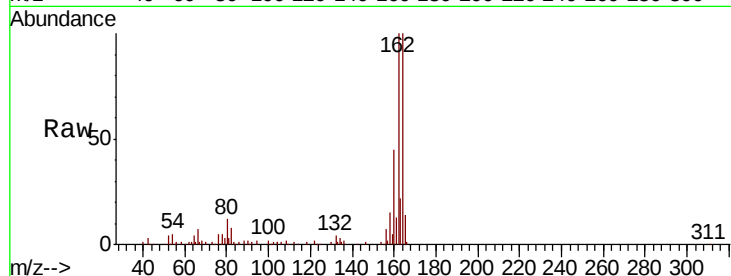




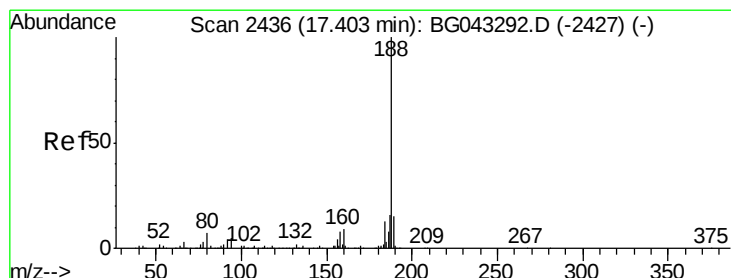
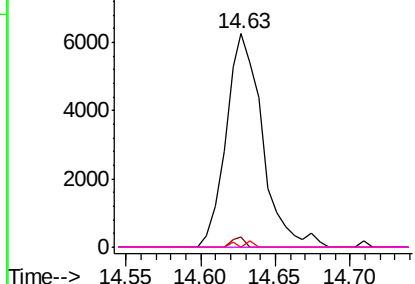
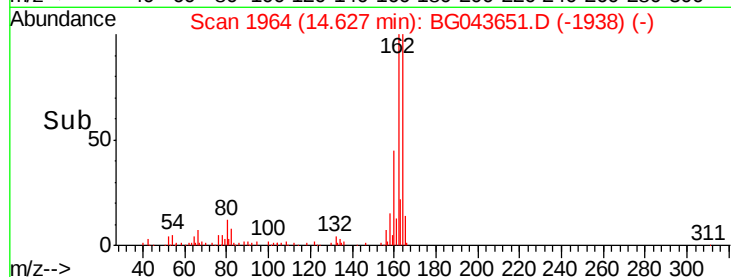
#57
 2,4-Dinitrotoluene
 Concen: 5.461 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10632
 Ion Ratio Lower Upper
 165 100
 63 5.0 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#

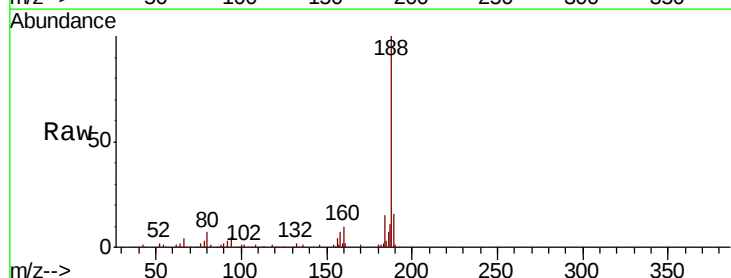


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

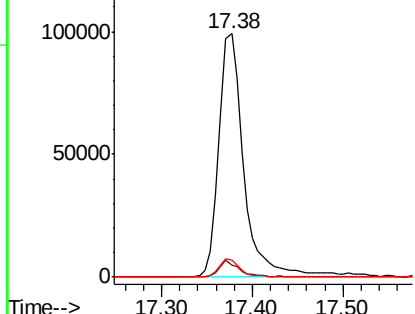
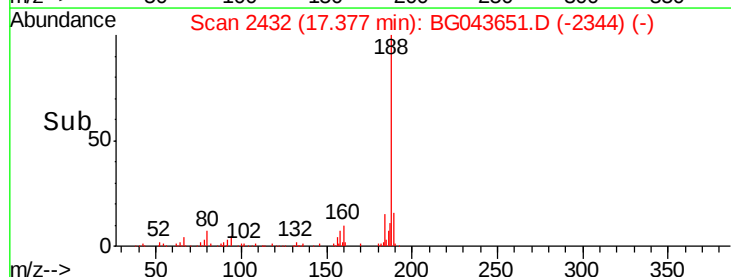


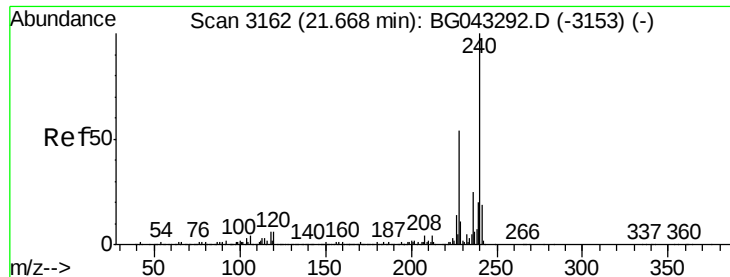
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BG043651.D
 Acq: 15 Nov 2019 8:17

Tgt Ion:188 Resp: 189726
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.2 6.4
 80 6.9 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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

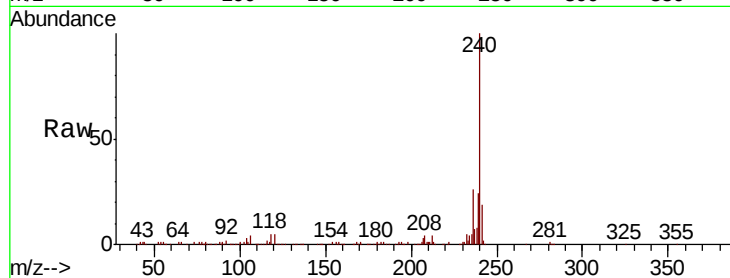
Tot Ion:240 Resp: 202774

Ion Ratio Lower Upper

240 100

120 5.4 4.6 6.8

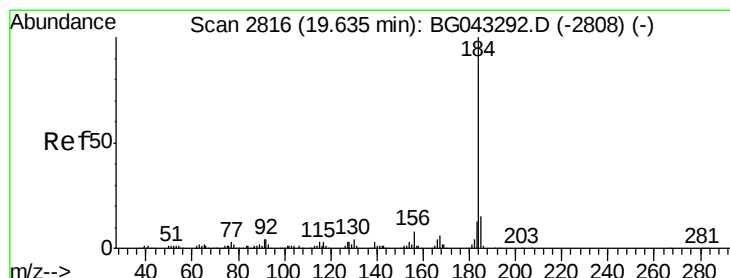
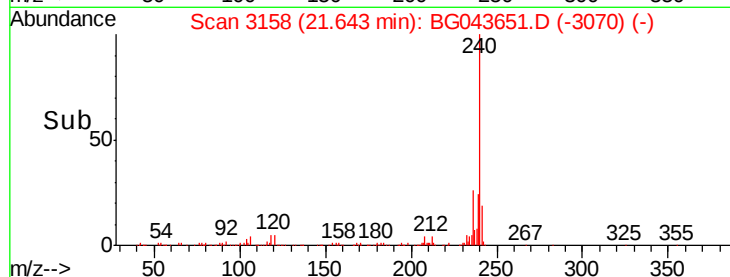
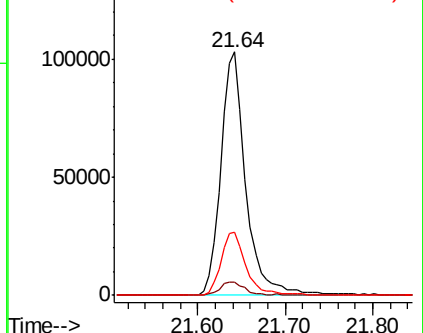
236 25.9 19.8 29.8



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: 4.633 ng

RT: 19.63 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

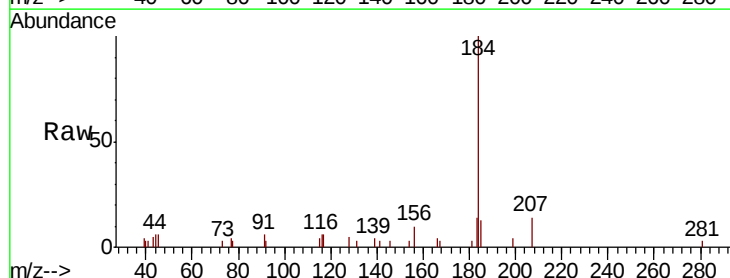
Tgt Ion:184 Resp: 18908

Ion Ratio Lower Upper

184 100

185 12.8 11.0 16.4

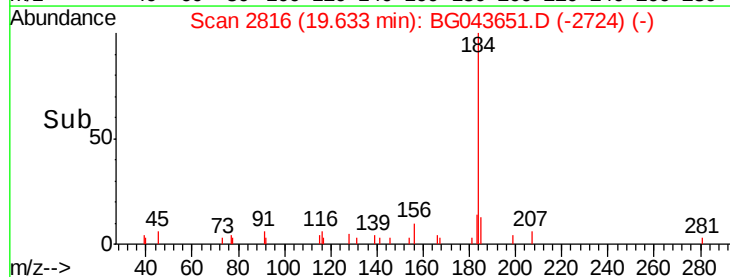
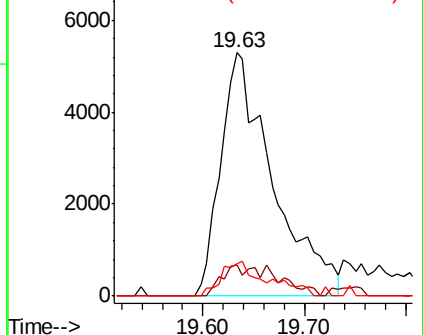
183 13.5 10.0 15.0

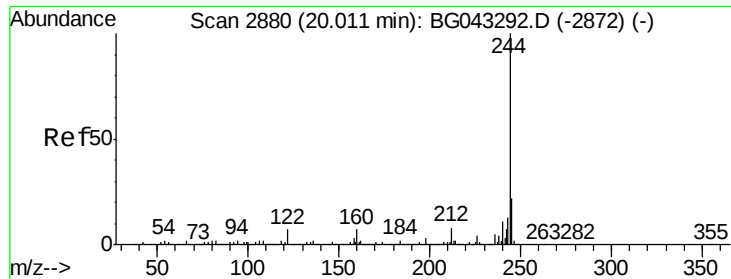


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.526 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

Instrument :

BNA_G

ClientSampleId :

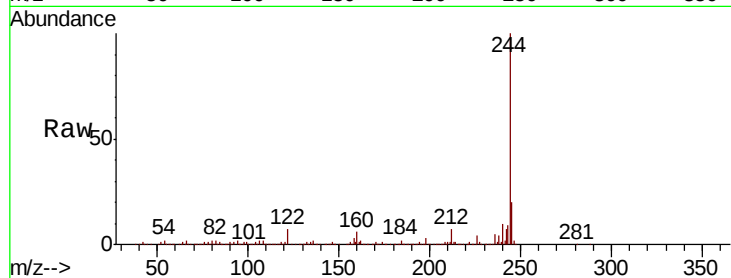
Tot Ion:244 Resp: 1043299

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

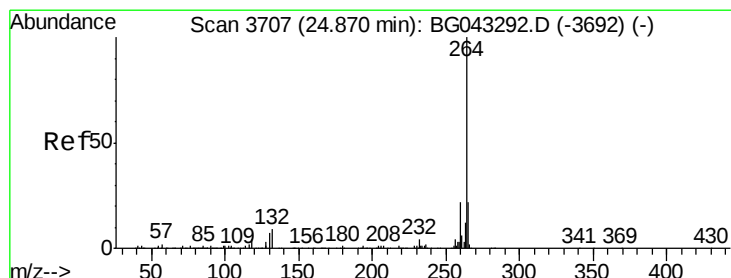
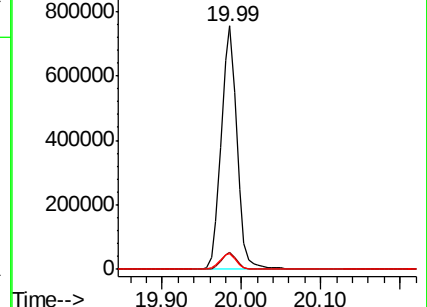
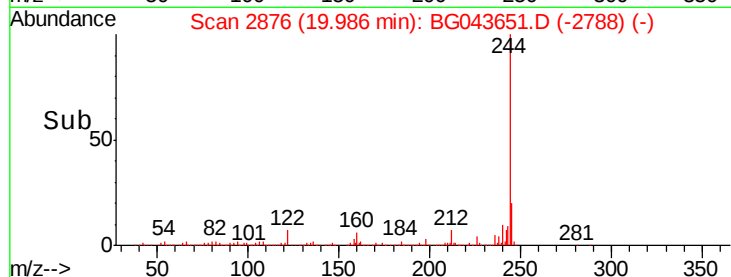
122 6.5 5.4 8.2



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: 24.82 min Scan# 3699

Delta R.T. -0.03 min

Lab File: BG043651.D

Acq: 15 Nov 2019 8:17

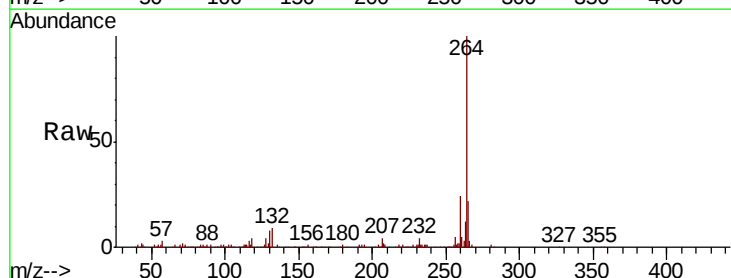
Tgt Ion:264 Resp: 231295

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

