

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043695.D
 Acq On : 19 Nov 2019 13:04
 Operator : JU
 Sample : PB124907TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 15:25:41 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

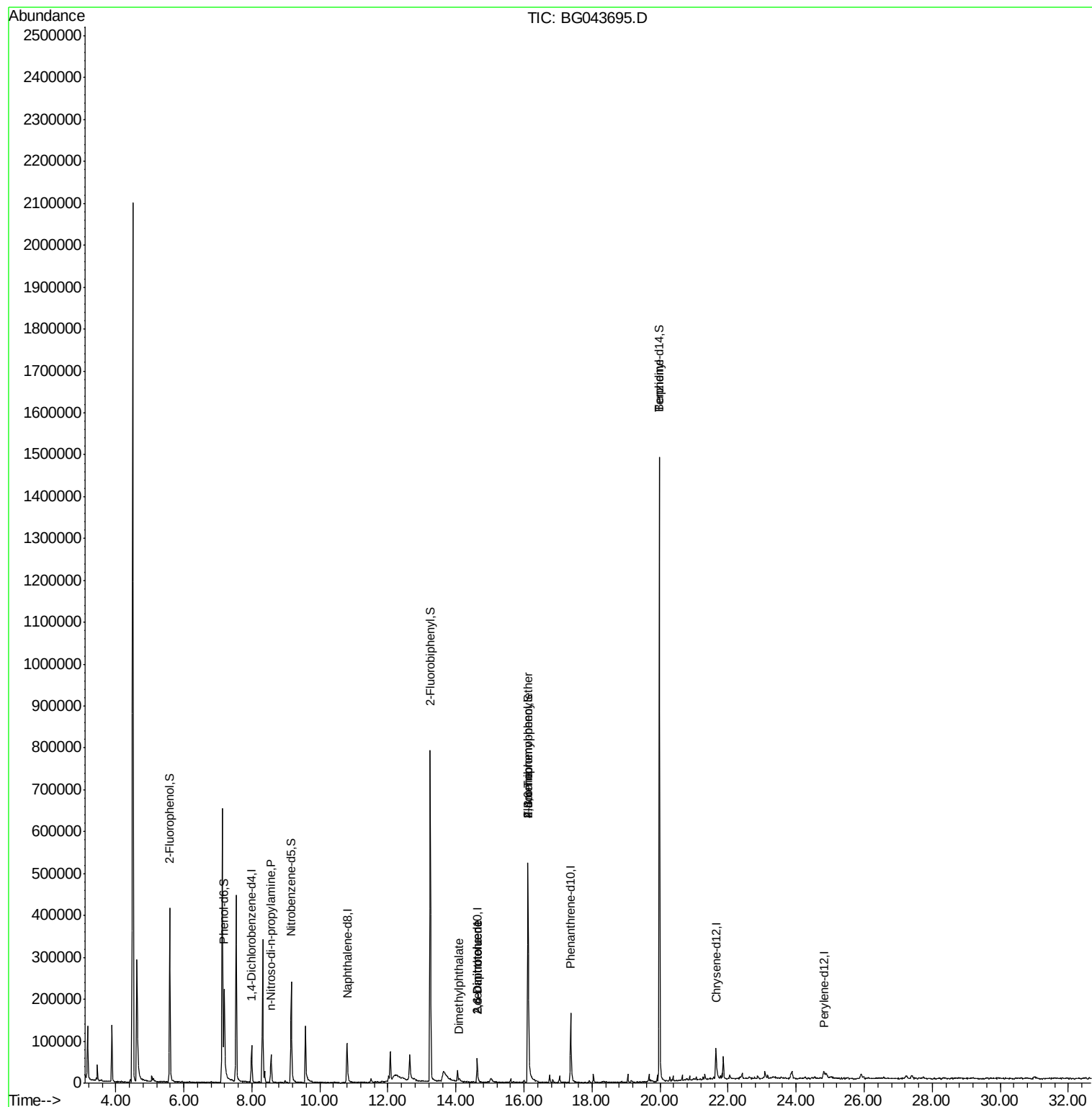
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	25594	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	92027	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	20988	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	114573	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	41398	20.00	ng	-0.02
87) Perylene-d12	24.83	264	2108	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	186099	133.24	ng	-0.01
7) Phenol-d6	7.19	99	109580	54.53	ng	-0.01
23) Nitrobenzene-d5	9.15	82	165699	92.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	154400	386.58	ng	-0.02
45) 2-Fluorobiphenyl	13.24	172	443487	291.98	ng	-0.02
79) Terphenyl-d14	19.98	244	663699	300.77	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.56	70	7289	5.613	ng	# 49
50) Dimethylphthalate	14.10	163	6097	3.750	ng	# 96
51) 2,6-Dinitrotoluene	14.63	165	3044	8.619	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	3044	6.031	ng	# 25
58) Fluorene	16.12	166	3889	2.480	ng	# 80
67) 4-Bromophenyl-phenylether	16.12	248	9627	6.244	ng	# 1
77) Benzidine	19.98	184	10923	13.111	ng	# 88

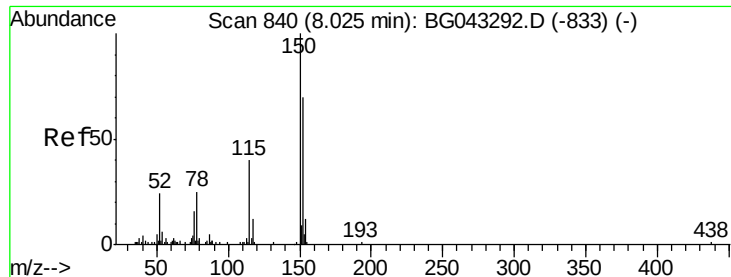
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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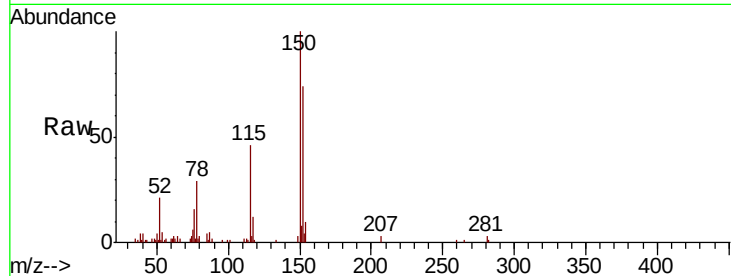


#1

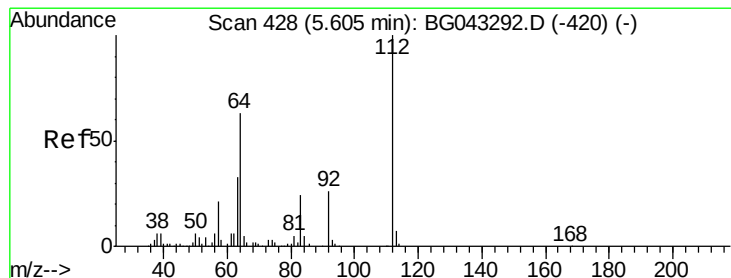
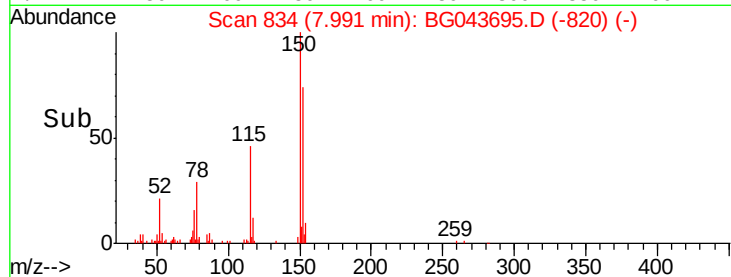
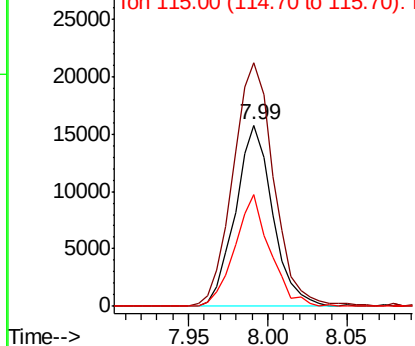
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043695.D
Acq: 19 Nov 2019 13:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25594
Ion Ratio Lower Upper
152 100
150 134.4 129.4 194.0
115 62.0 48.8 73.2



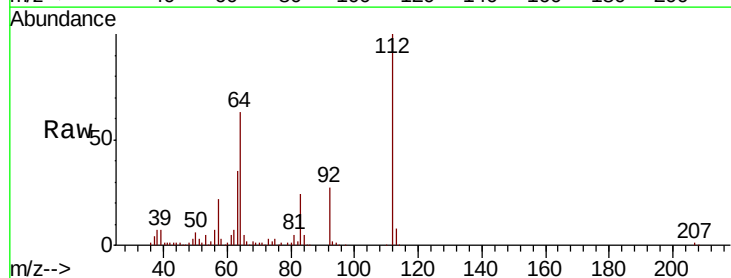
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



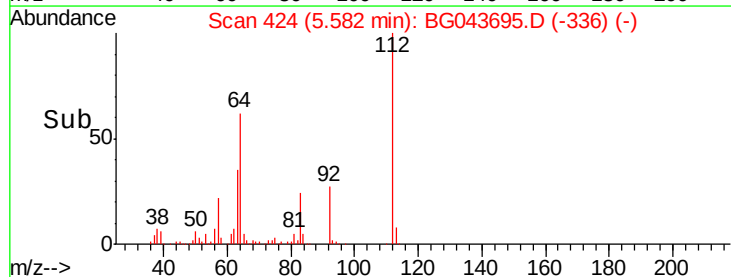
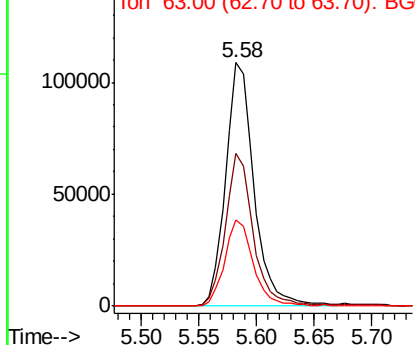
#5

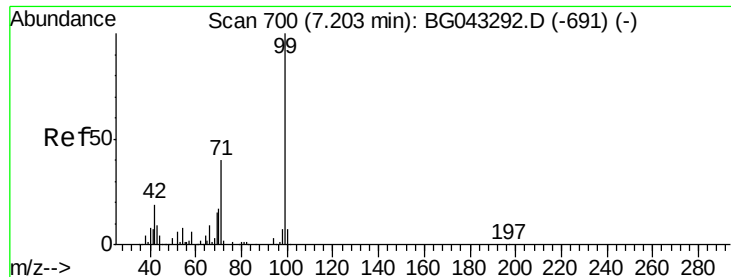
2-Fluorophenol
Concen: 133.241 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.01 min
Lab File: BG043695.D
Acq: 19 Nov 2019 13:04

Tgt Ion:112 Resp: 186099
Ion Ratio Lower Upper
112 100
64 62.6 50.0 75.0
63 35.4 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: 54.530 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

Instrument :

BNA_G

ClientSampleId :

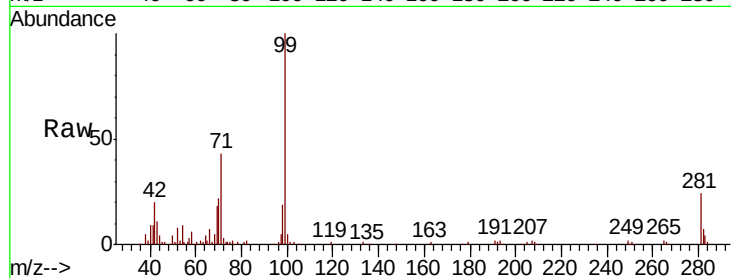
Tot Ion: 99 Resp: 109580

Ion Ratio Lower Upper

99 100

42 19.7 14.6 21.8

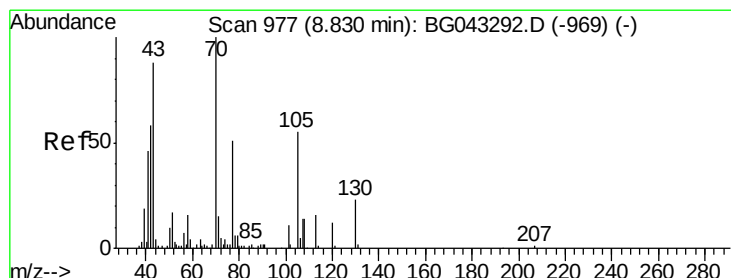
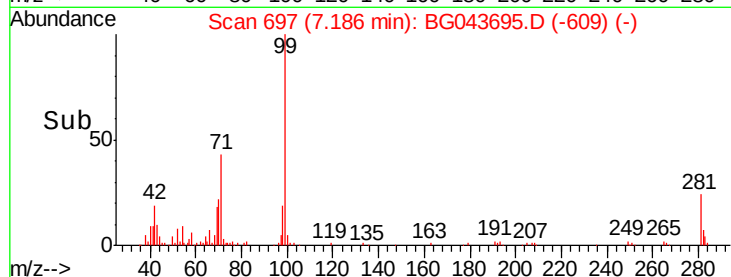
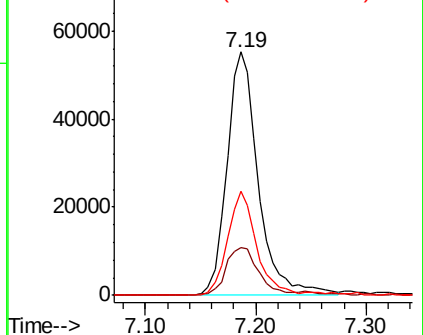
71 42.7 32.5 48.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.613 ng

RT: 8.56 min Scan# 930

Delta R.T. -0.26 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

Tgt Ion: 70 Resp: 7289

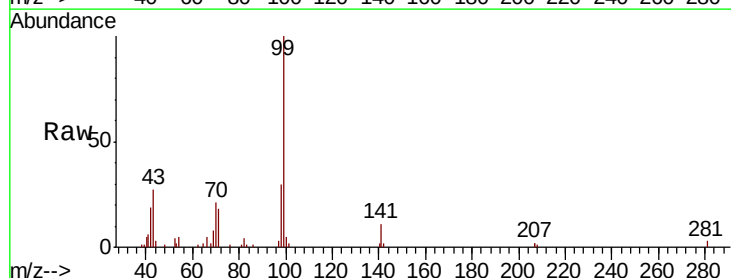
Ion Ratio Lower Upper

70 100

42 94.0 41.4 62.2#

101 7.4 7.9 11.9#

130 0.0 19.0 28.4#

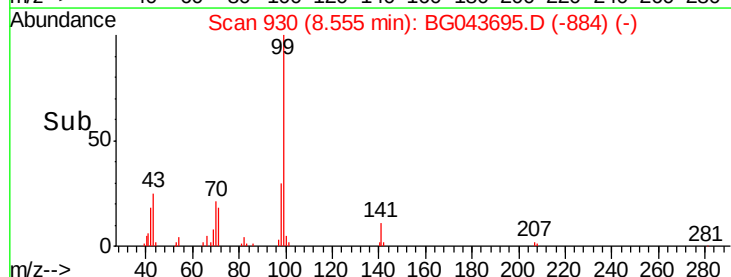
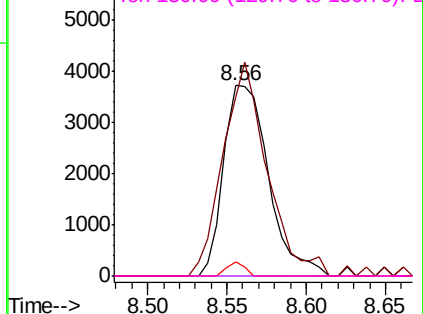


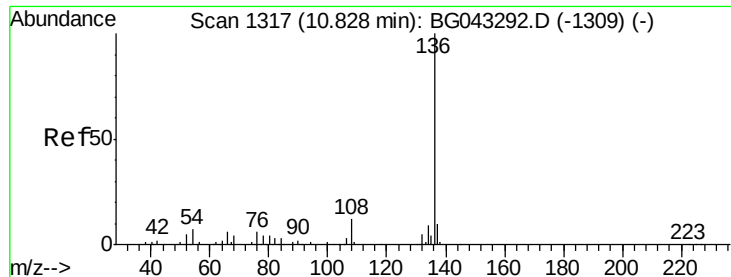
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BG043695.D

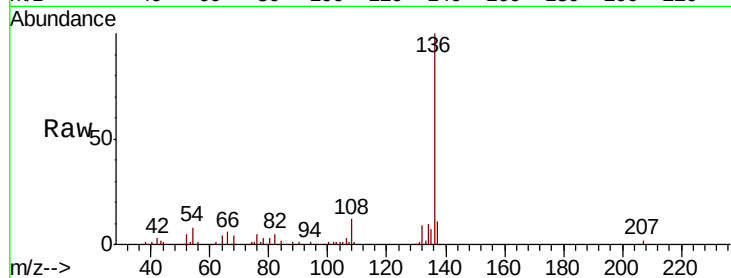
Acq: 19 Nov 2019 13:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	92027
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.7 13.1
54	8.2	5.4 8.2#
68	3.9	3.0 4.4

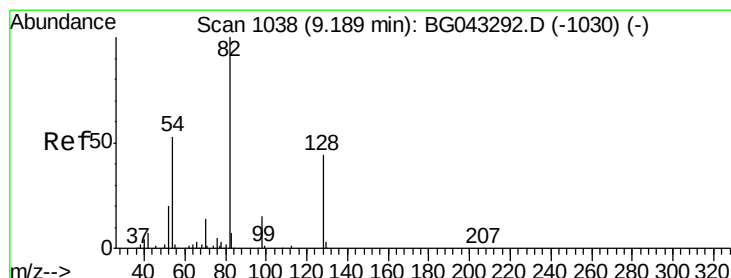
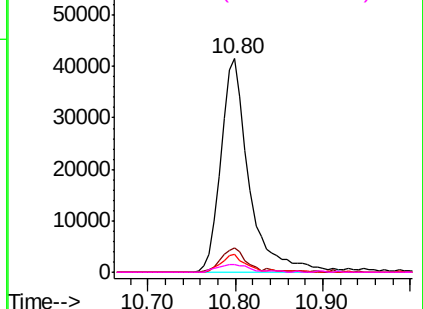
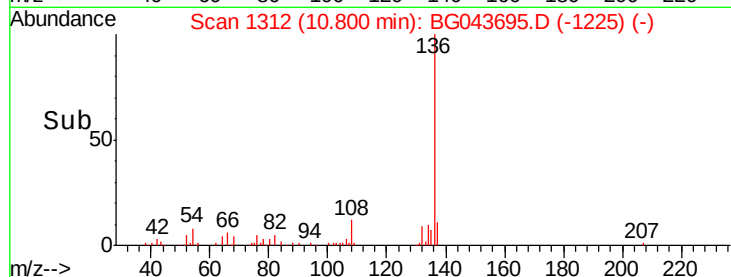


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 92.826 ng

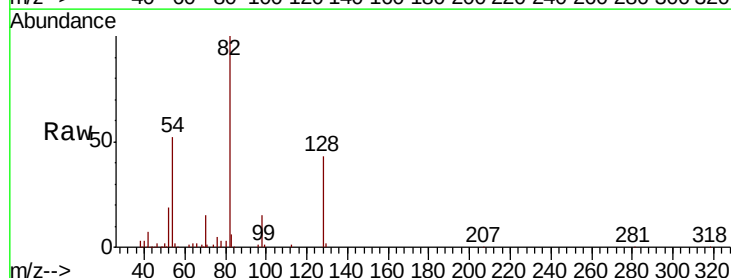
RT: 9.15 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

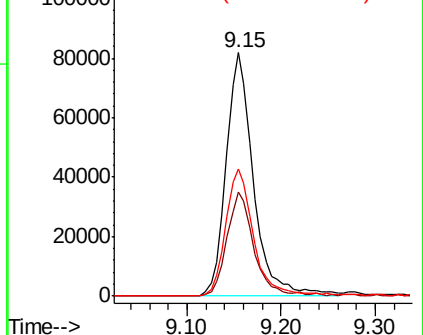
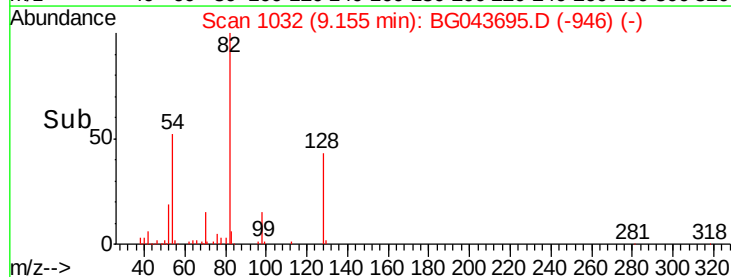
Tgt Ion: 82	Resp:	165699
Ion Ratio	Lower	Upper
82	100	
128	42.6	35.0 52.6
54	52.5	40.2 60.2

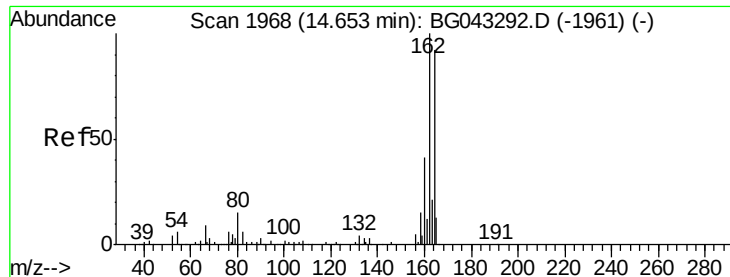


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.62 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

Instrument :

BNA_G

ClientSampleId :

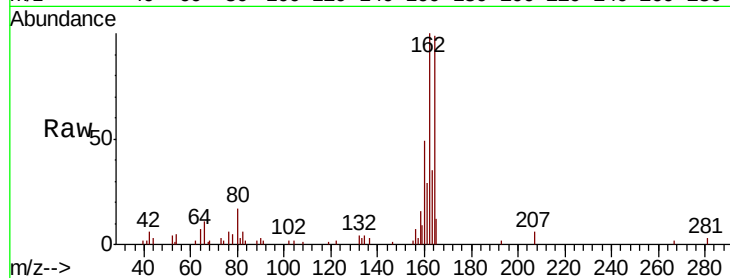
Tot Ion:164 Resp: 20988

Ion Ratio Lower Upper

164 100

162 100.7 83.5 125.3

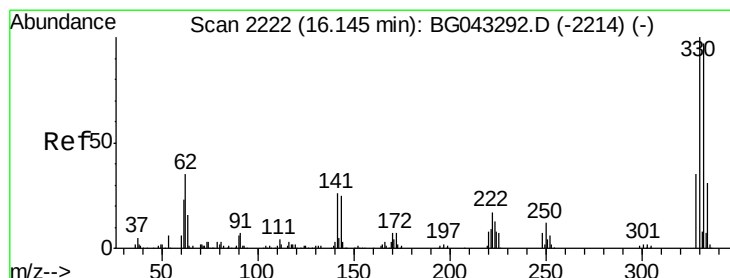
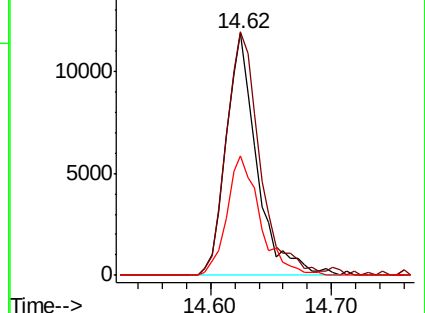
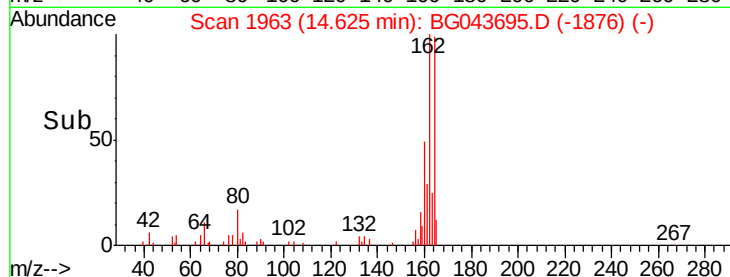
160 49.3 36.5 54.7



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: 386.578 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

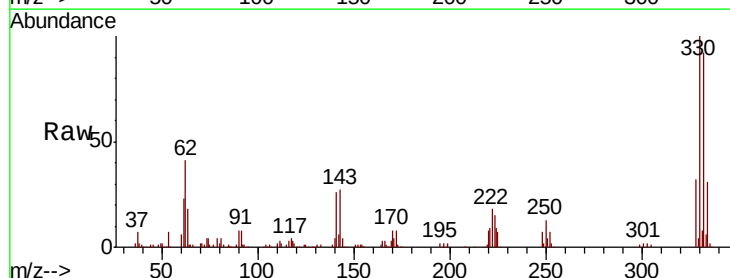
Tgt Ion:330 Resp: 154400

Ion Ratio Lower Upper

330 100

332 98.3 77.4 116.0

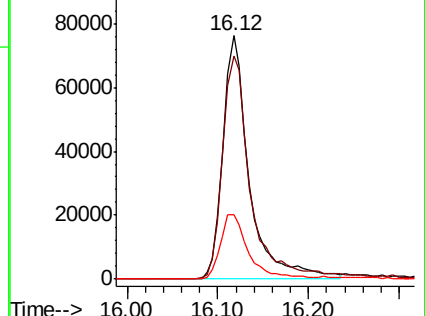
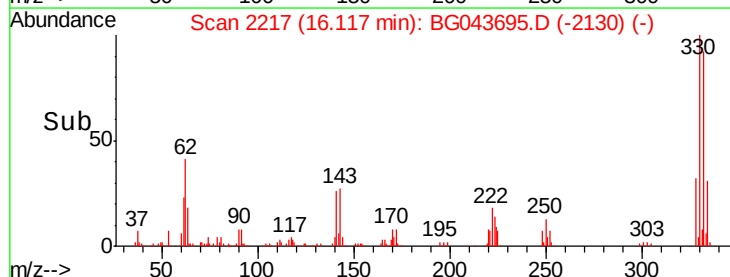
141 28.1 22.8 34.2

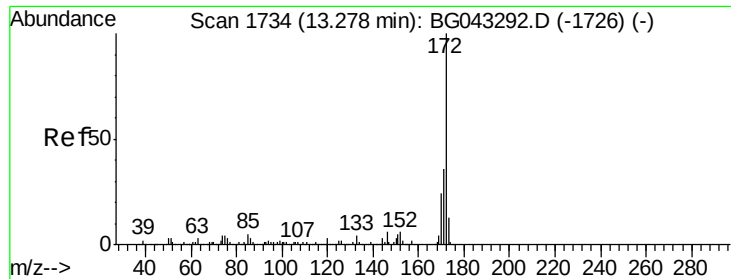


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

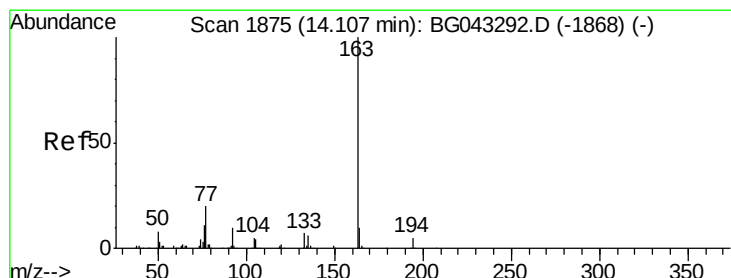
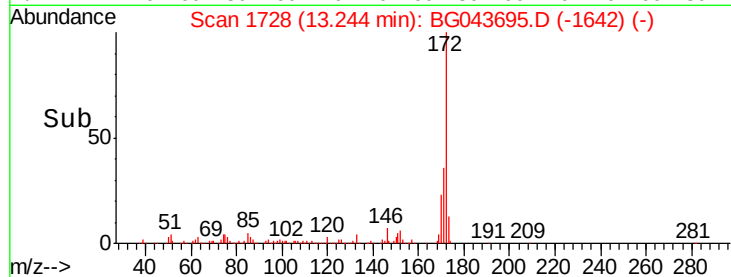
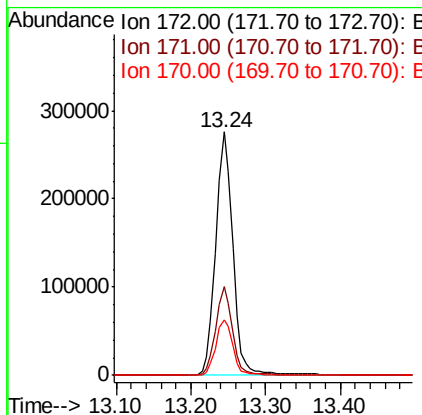
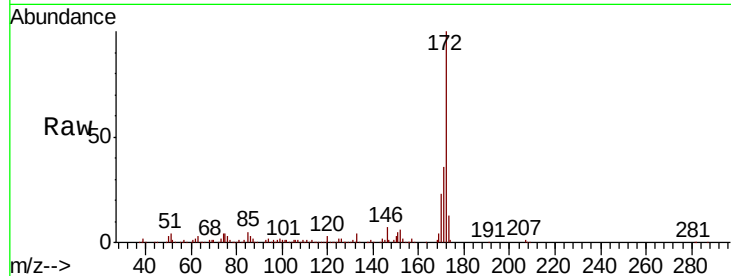




#45
 2-Fluorobiphenyl
 Concen: 291.982 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.02 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

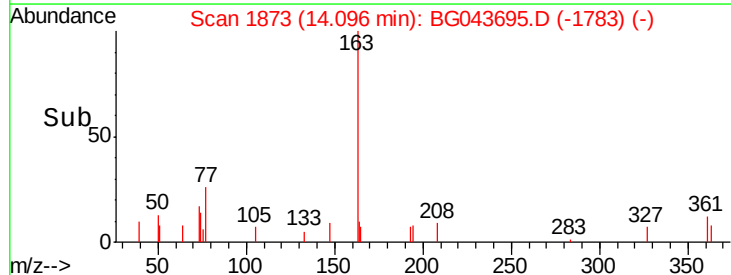
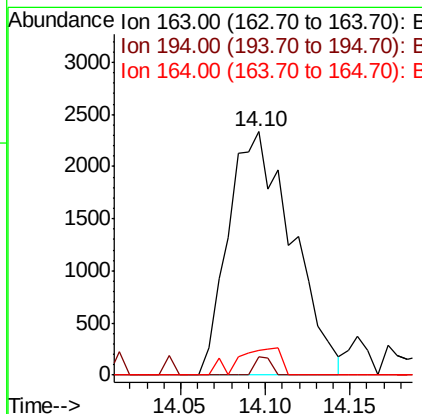
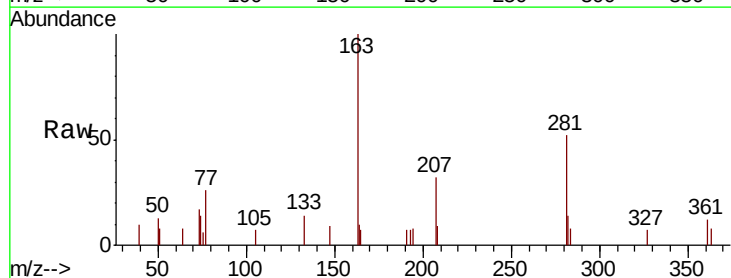
Instrument :
 BNA_G
 ClientSampleId :

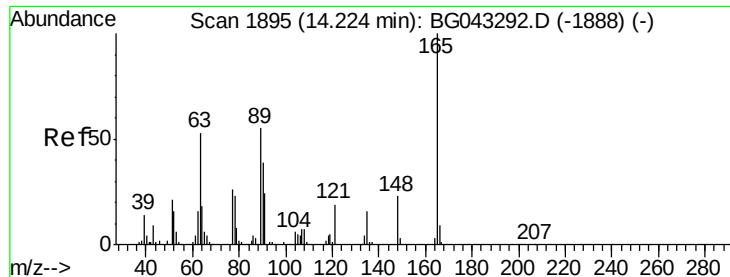
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	22.6	18.5	27.7



#50
 Dimethylphthalate
 Concen: 3.750 ng
 RT: 14.10 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.6	3.8	5.6#
164	10.4	8.9	13.3

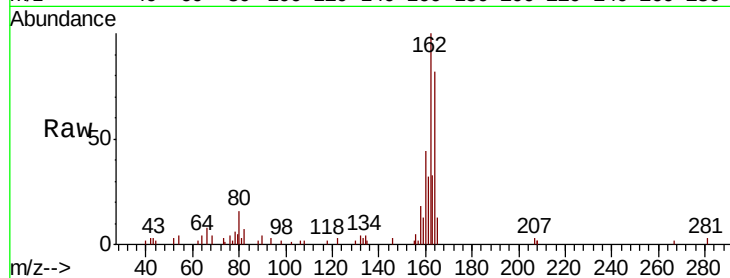




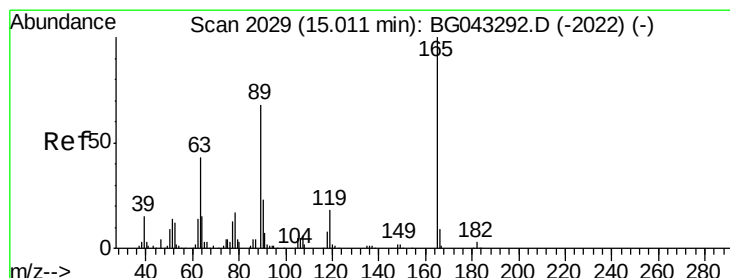
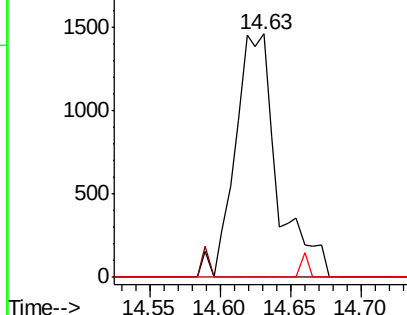
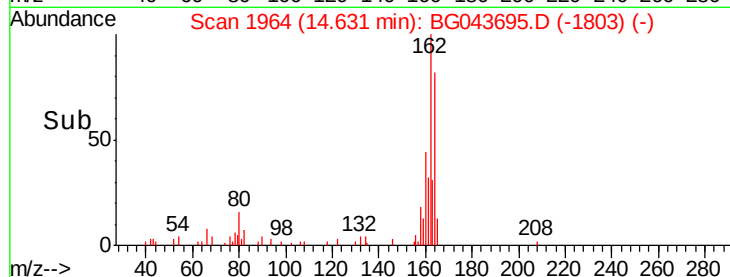
#51
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

Instrument :
 BNA_G
 ClientSampleId :

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

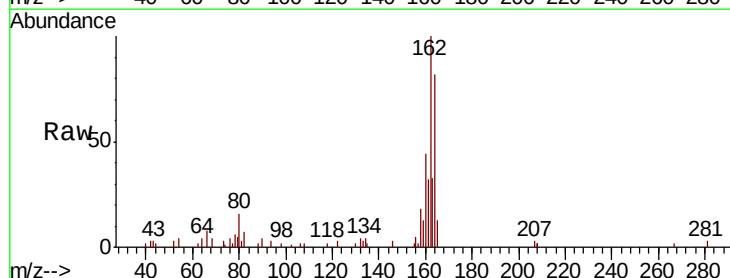


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

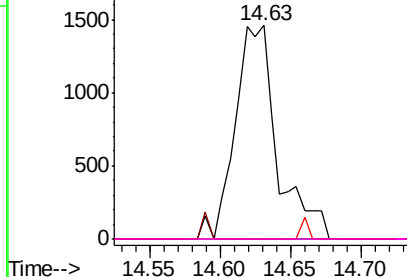
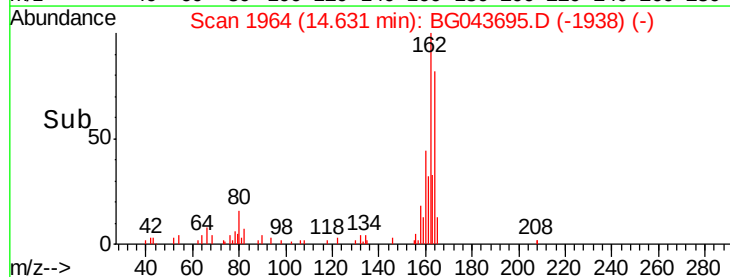


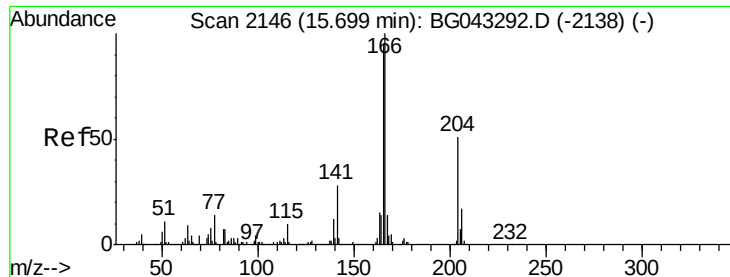
#57
 2,4-Dinitrotoluene
 Concen: 6.031 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.37 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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

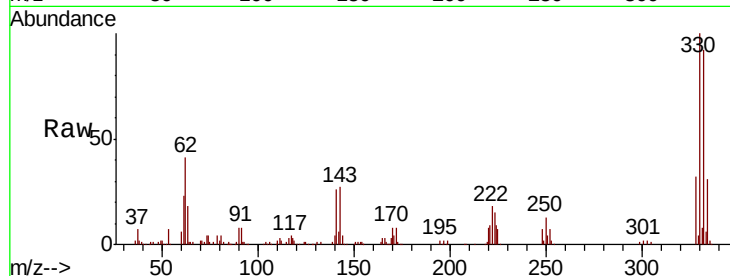




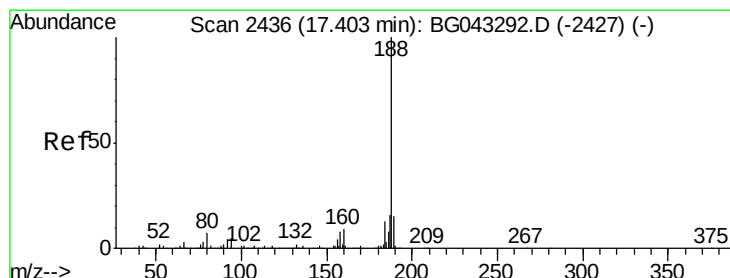
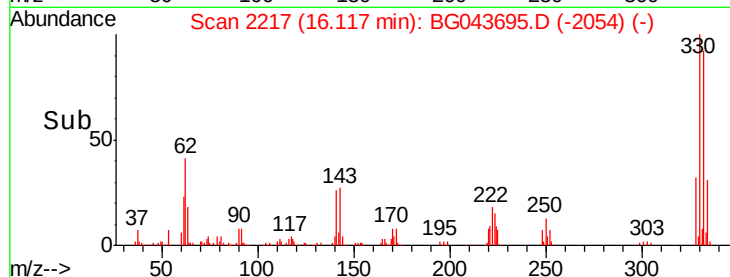
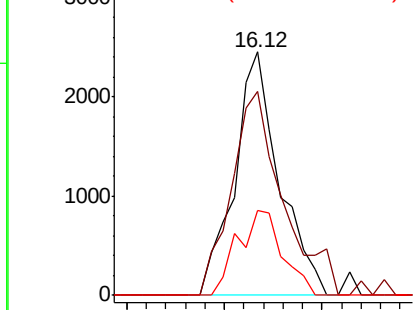
#58
 Fluorene
 Concen: 2.480 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. 0.43 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 3889
 Ion Ratio Lower Upper
 166 100
 165 83.8 79.0 118.6
 167 35.1 10.5 15.7#

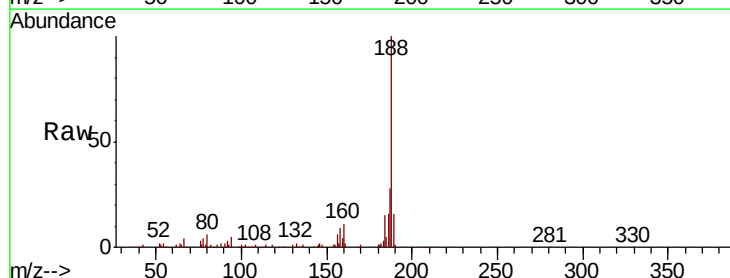


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

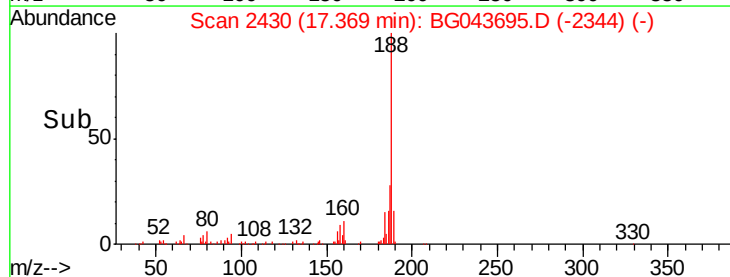
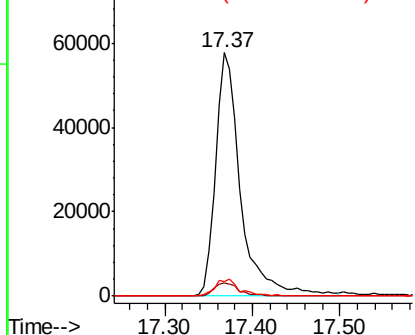


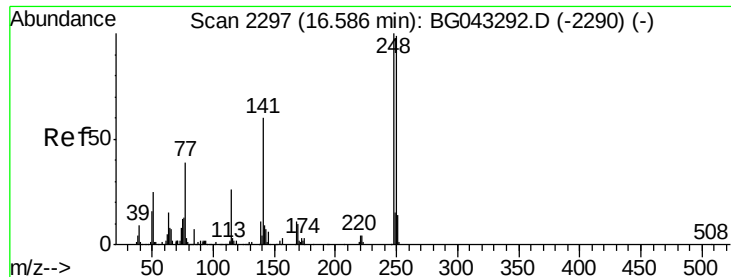
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BG043695.D
 Acq: 19 Nov 2019 13:04

Tgt Ion:188 Resp: 114573
 Ion Ratio Lower Upper
 188 100
 94 5.4 4.2 6.4
 80 6.2 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG





#67

4-Bromophenyl-phenylether

Concen: 6.244 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

Instrument :

BNA_G

ClientSampled :

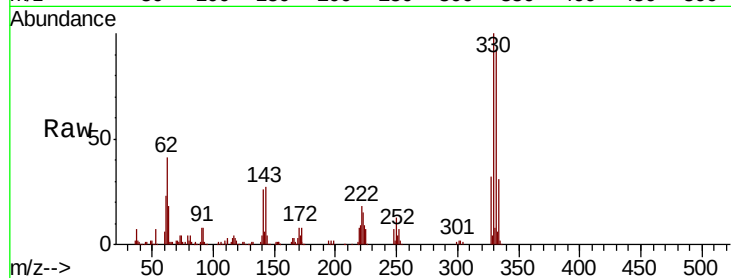
Tot Ion:248 Resp: 9627

Ion Ratio Lower Upper

248 100

250 188.8 77.0 115.4#

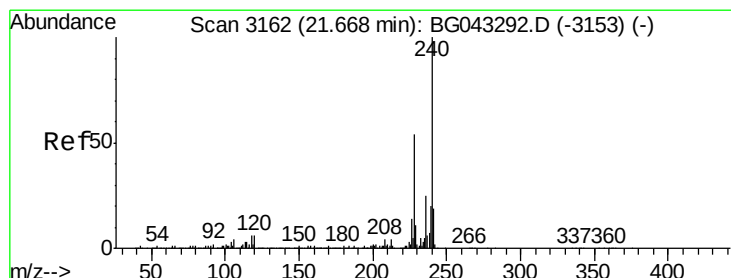
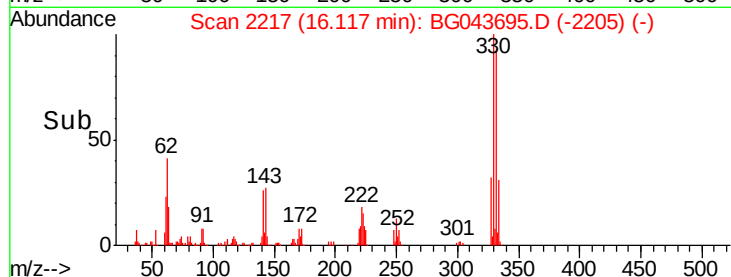
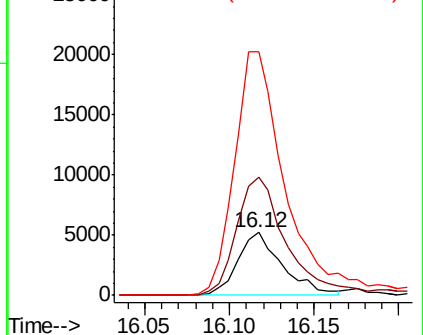
141 387.9 47.5 71.3#



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: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

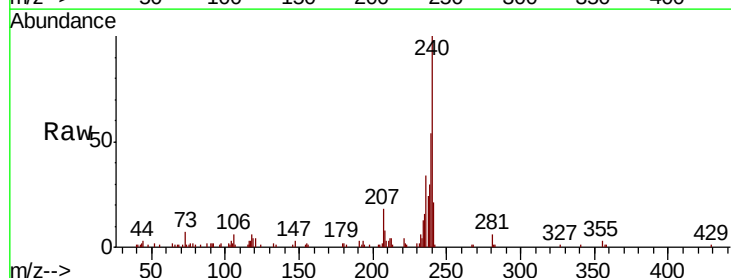
Tgt Ion:240 Resp: 41398

Ion Ratio Lower Upper

240 100

120 4.4 4.6 6.8#

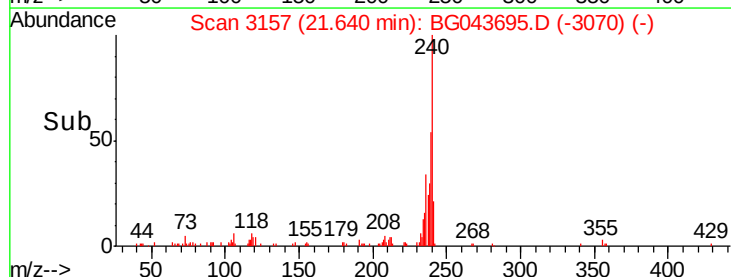
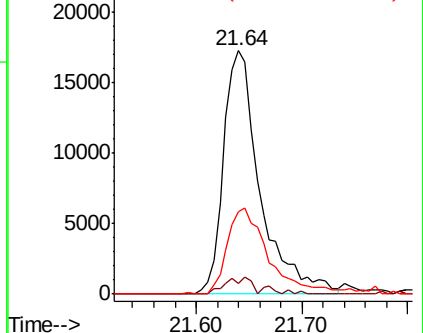
236 33.9 19.8 29.8#

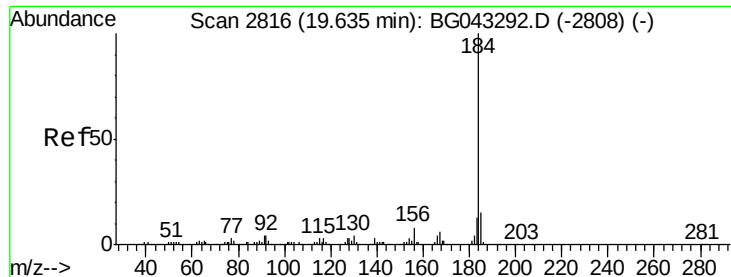


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 13.111 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.35 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

Instrument :

BNA_G

ClientSampleId :

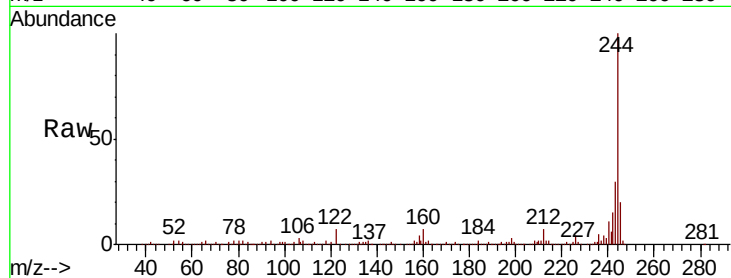
Tot Ion:184 Resp: 10923

Ion Ratio Lower Upper

184 100

185 17.9 11.0 16.4#

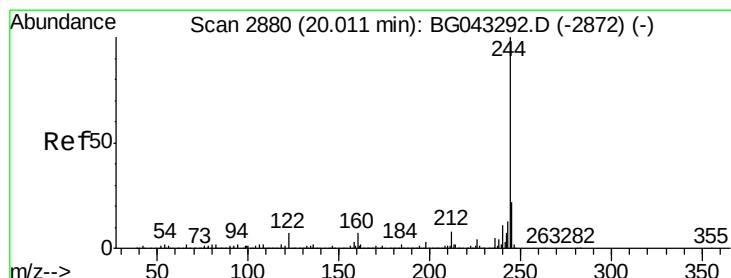
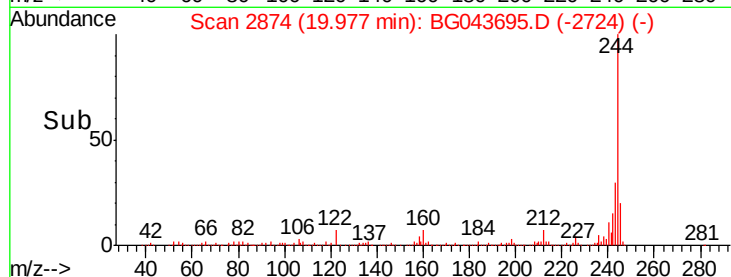
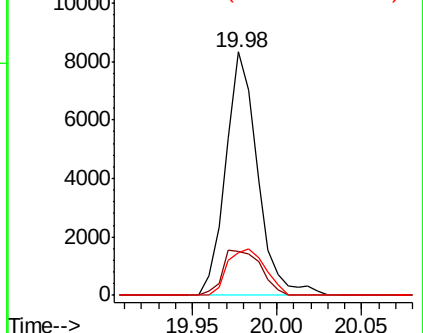
183 17.7 10.0 15.0#



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: 300.772 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.02 min

Lab File: BG043695.D

Acq: 19 Nov 2019 13:04

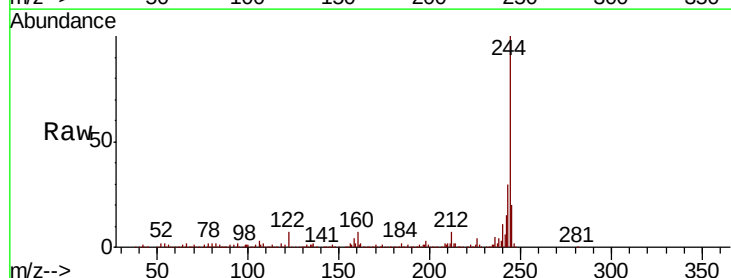
Tgt Ion:244 Resp: 663699

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

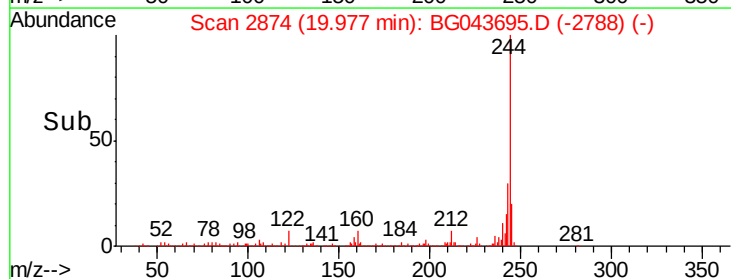
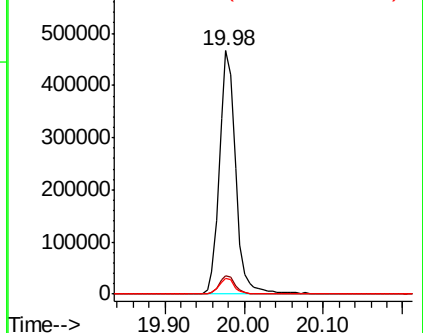
122 6.6 5.4 8.2

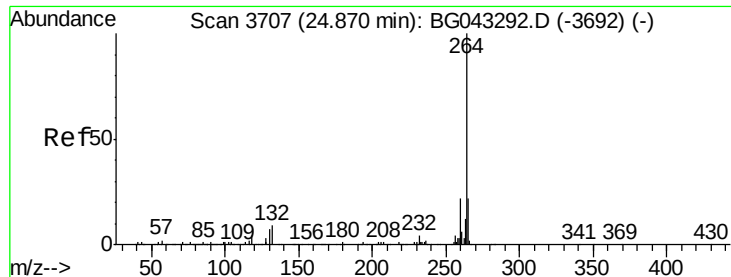


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

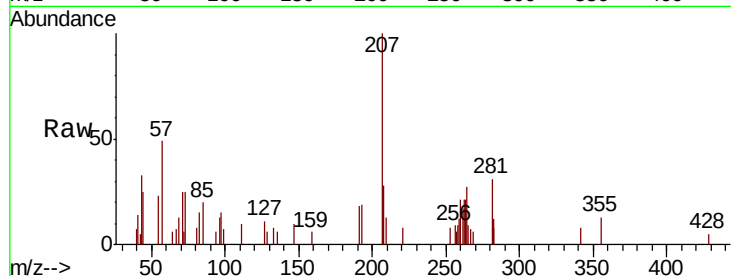




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3700
Delta R.T. -0.02 min
Lab File: BG043695.D
Acq: 19 Nov 2019 13:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	77.1	17.5	26.3#
265	32.8	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

