

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043696.D
 Acq On : 19 Nov 2019 13:43
 Operator : JU
 Sample : PB124838BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 15:25:33 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

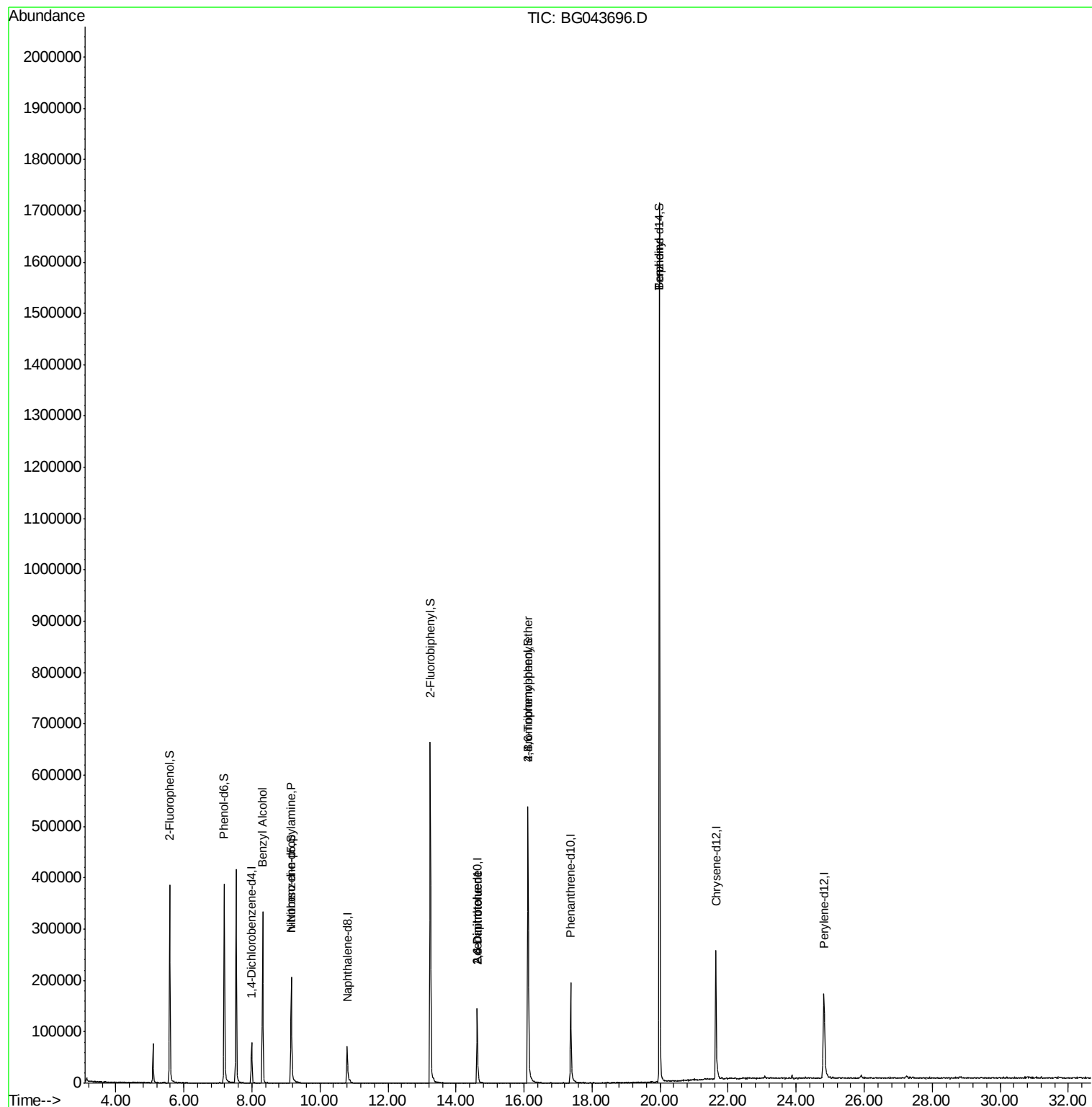
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	23421	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	80919	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	65341	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	171426	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	200267	20.00	ng	-0.02
87) Perylene-d12	24.82	264	206112	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	177012	138.49	ng	-0.01
7) Phenol-d6	7.19	99	245566	133.54	ng	-0.01
23) Nitrobenzene-d5	9.15	82	142077	90.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	152723	122.82	ng	-0.02
45) 2-Fluorobiphenyl	13.24	172	420649	88.96	ng	-0.02
79) Terphenyl-d14	19.98	244	1018309	95.39	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.32	79	2934	2.272	ng	# 64
19) n-Nitroso-di-n-propylamine	9.16	70	21803	18.348	ng	# 74
51) 2,6-Dinitrotoluene	14.62	165	8600	7.822	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8660	5.511	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	9926	4.303	ng	# 1
77) Benzidine	19.98	184	14572	3.615	ng	# 92

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

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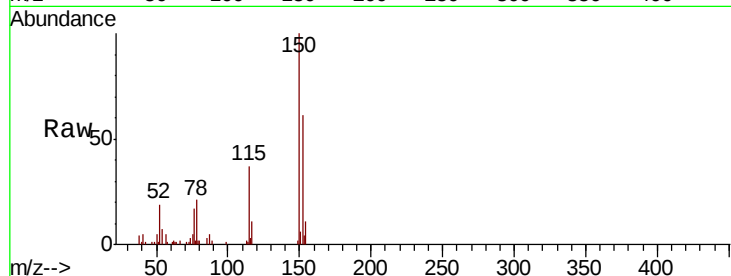


#1

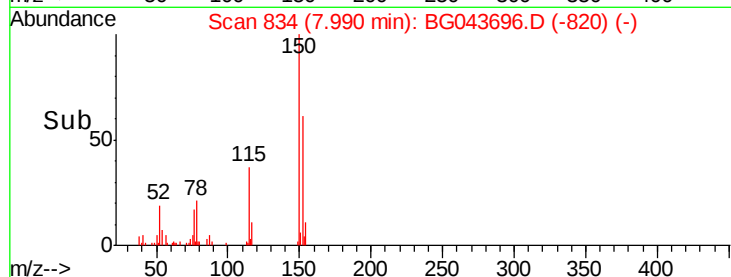
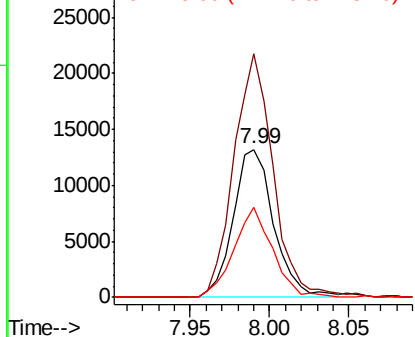
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043696.D
Acq: 19 Nov 2019 13:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 23421
Ion Ratio Lower Upper
152 100
150 164.3 129.4 194.0
115 61.0 48.8 73.2



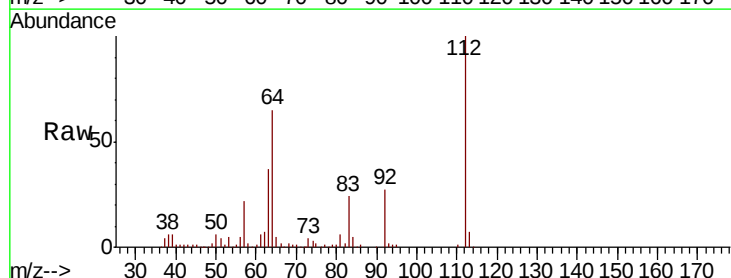
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



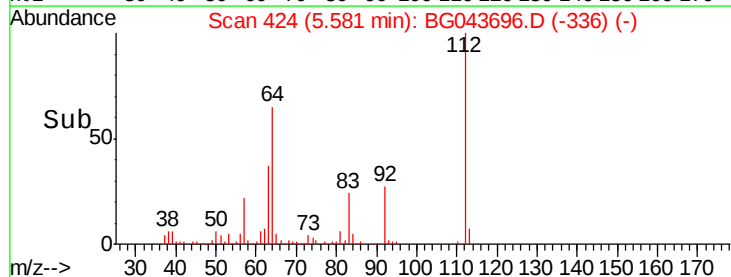
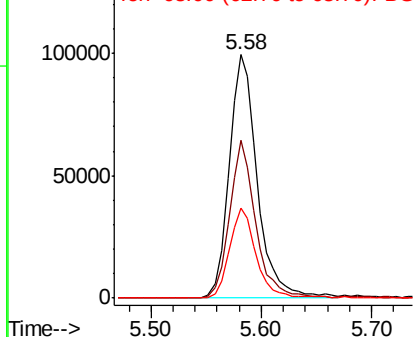
#5

2-Fluorophenol
Concen: 138.493 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.01 min
Lab File: BG043696.D
Acq: 19 Nov 2019 13:43

Tgt Ion:112 Resp: 177012
Ion Ratio Lower Upper
112 100
64 64.9 50.0 75.0
63 36.8 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: 133.538 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

BNA_G

ClientSampleId :

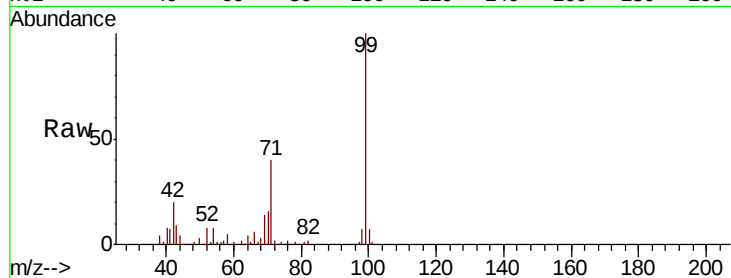
Tot Ion: 99 Resp: 245566

Ion Ratio Lower Upper

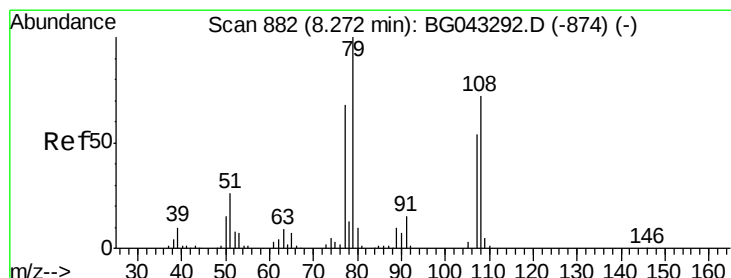
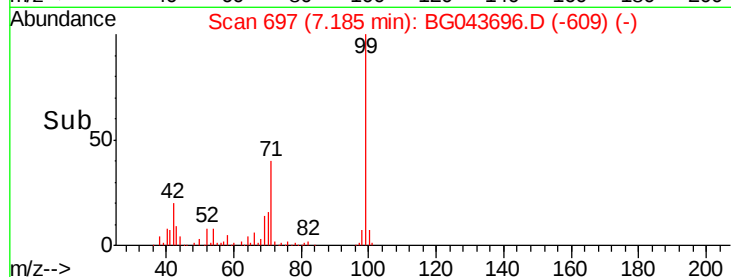
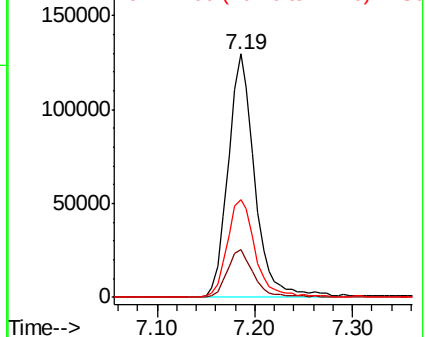
99 100

42 19.5 14.6 21.8

71 40.1 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: 2.272 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

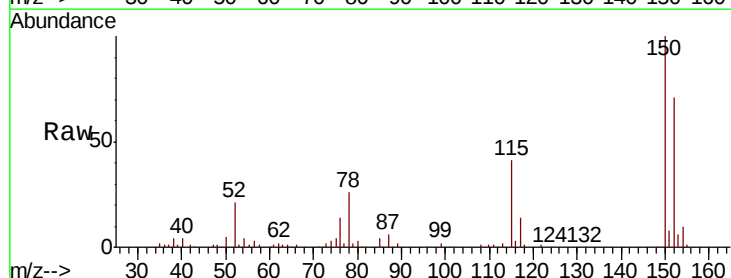
Tgt Ion: 79 Resp: 2934

Ion Ratio Lower Upper

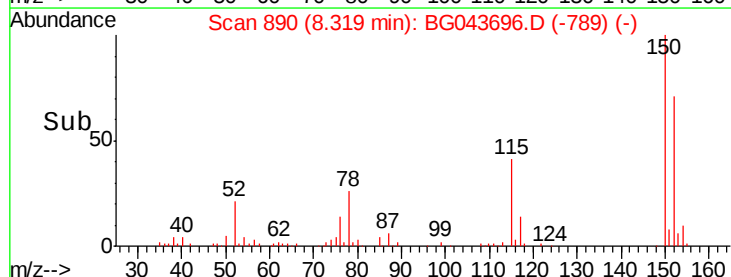
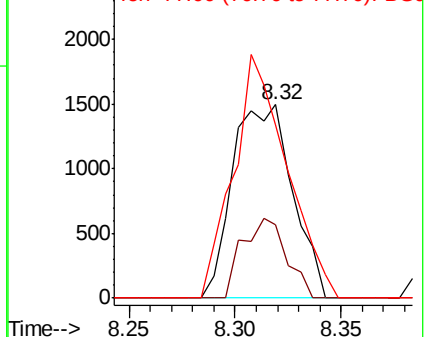
79 100

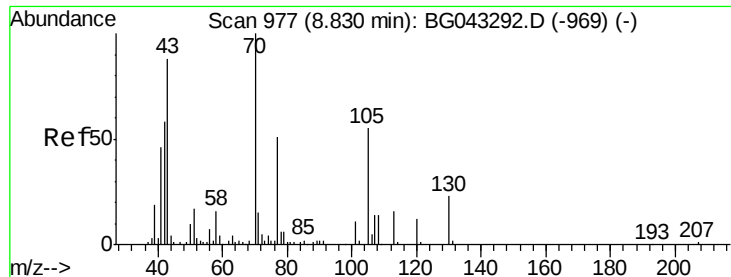
108 37.7 53.6 80.4#

77 89.4 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.348 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 21803

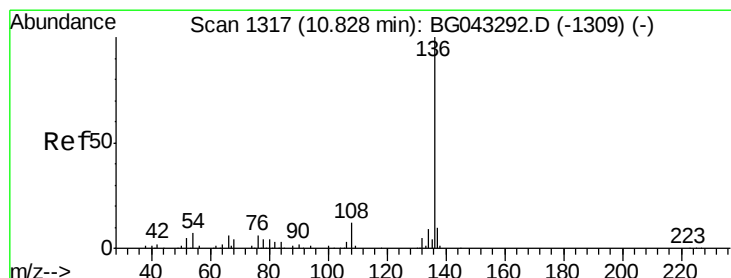
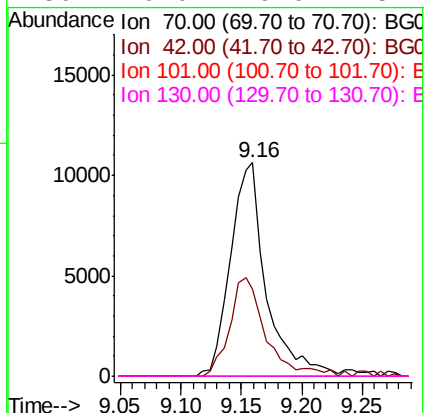
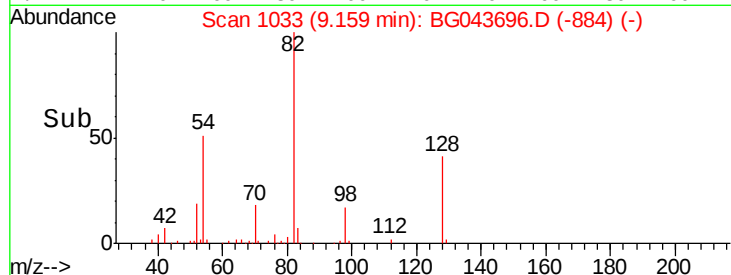
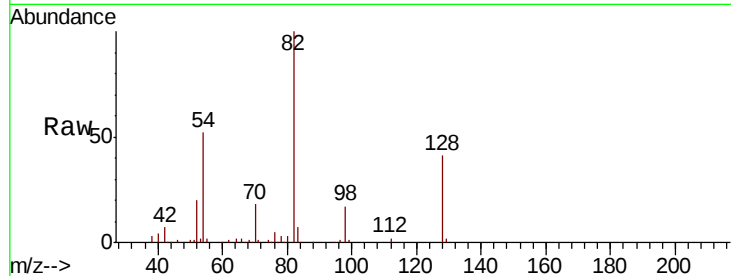
Ion Ratio Lower Upper

70 100

42 40.6 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: 10.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Tgt Ion: 136 Resp: 80919

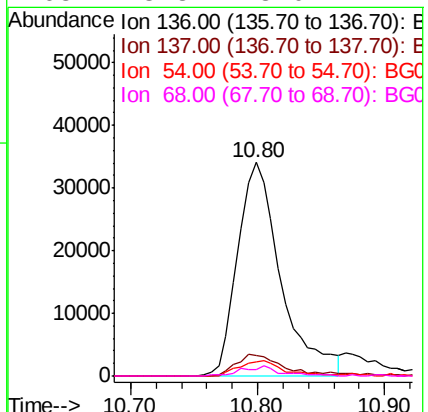
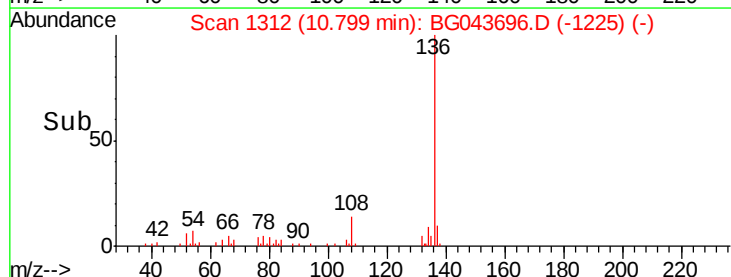
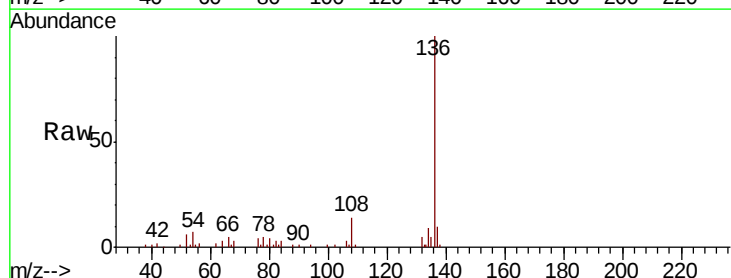
Ion Ratio Lower Upper

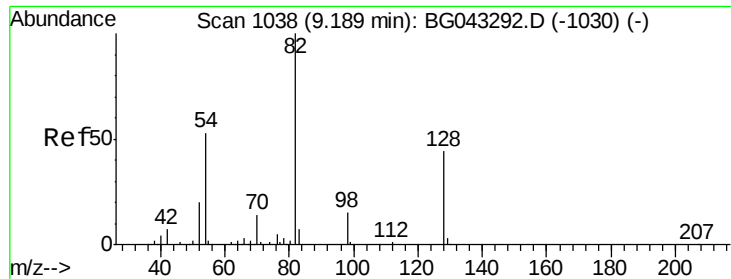
136 100

137 9.6 8.7 13.1

54 6.9 5.4 8.2

68 3.3 3.0 4.4

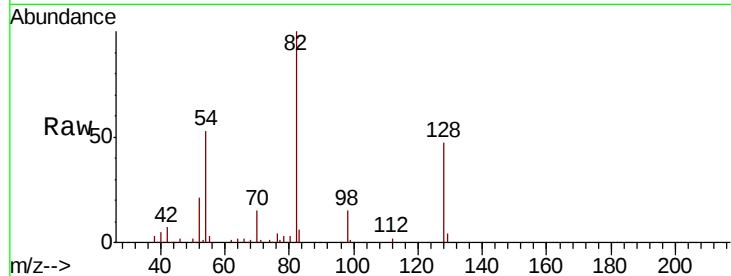




#23
Nitrobenzene-d5
Concen: 90.519 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BG043696.D
Acq: 19 Nov 2019 13:43

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	142077
Ion Ratio	Lower	Upper	
82	100		
128	47.4	35.0	52.6
54	53.3	40.2	60.2

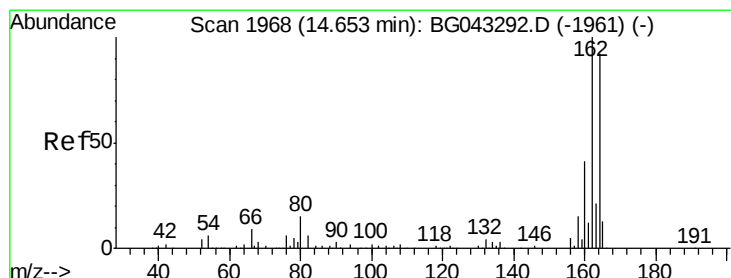
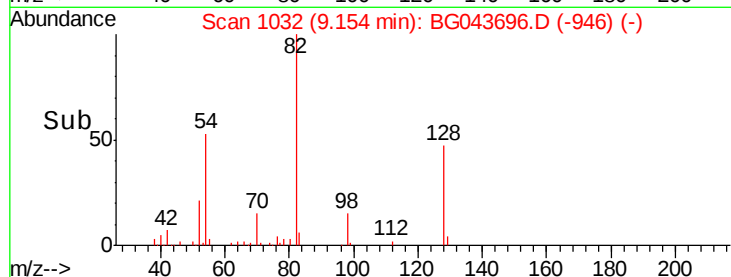
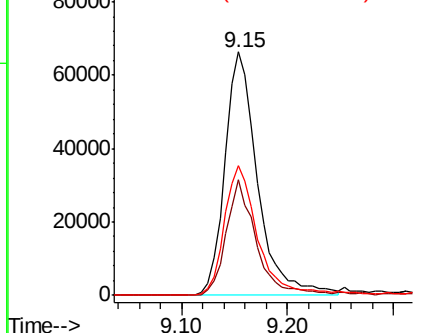


Abundance

Ion 82.00 (81.70 to 82.70): BGC

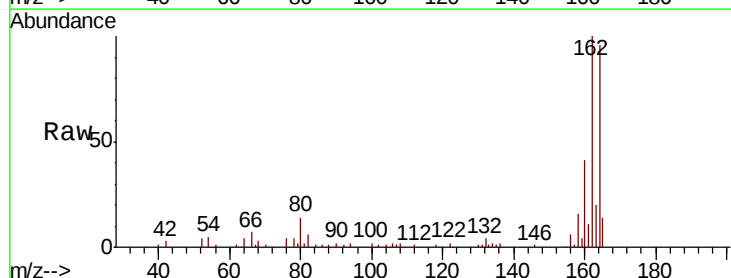
Ion 128.00 (127.70 to 128.70): BGC

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: BG043696.D
Acq: 19 Nov 2019 13:43

Tgt Ion	164	Resp	65341
Ion Ratio	Lower	Upper	
164	100		
162	104.3	83.5	125.3
160	42.5	36.5	54.7

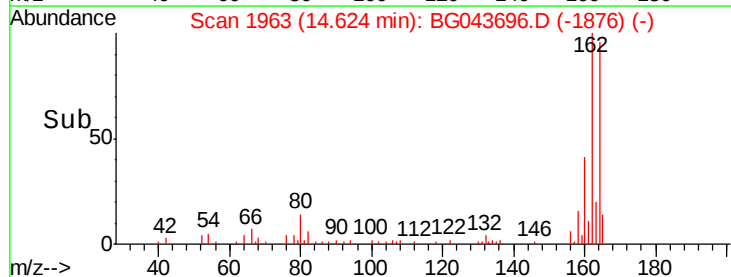
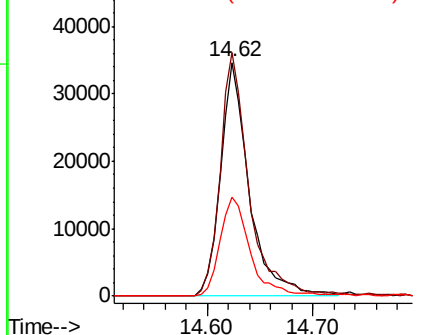


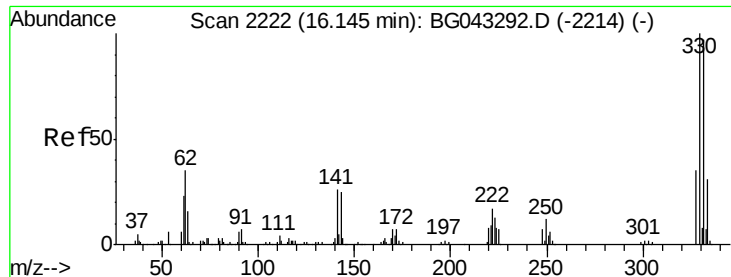
Abundance

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

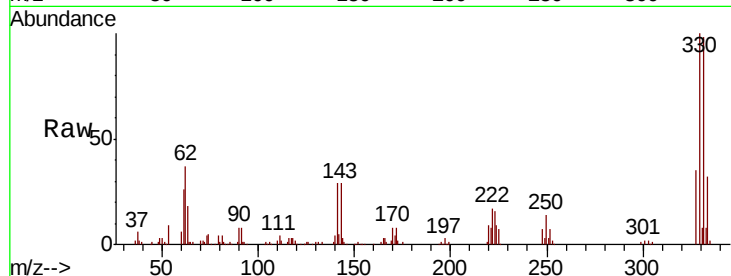




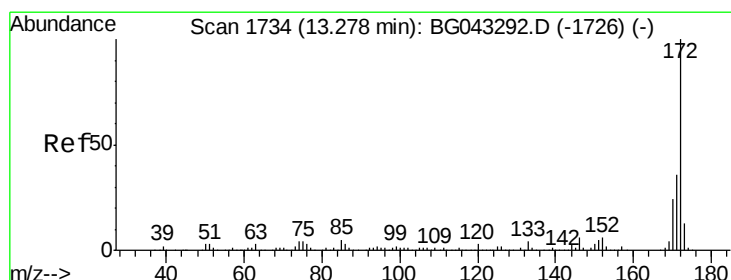
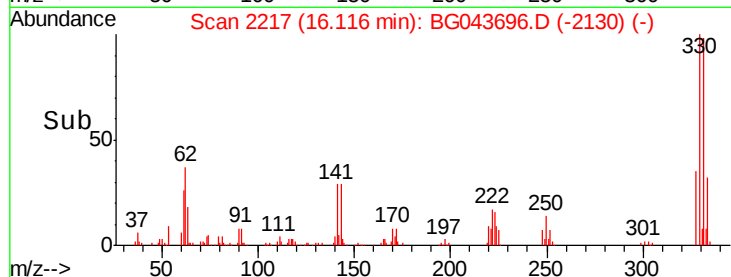
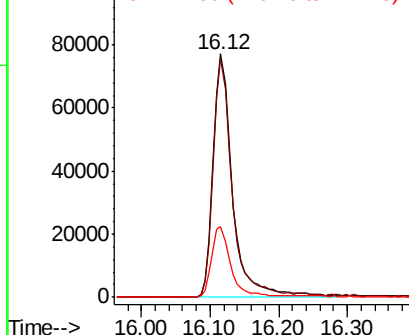
#42
 2,4,6-Tribromophenol
 Concen: 122.823 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BG043696.D
 Acq: 19 Nov 2019 13:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 152723
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.4 116.0
 141 28.8 22.8 34.2

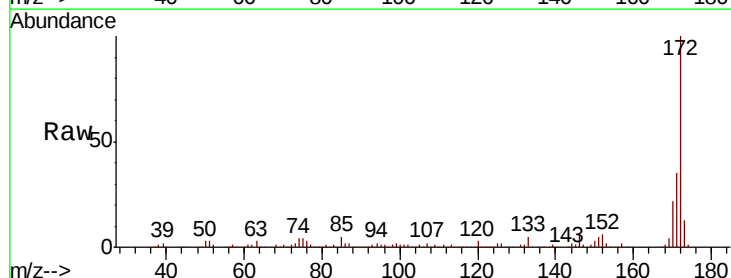


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

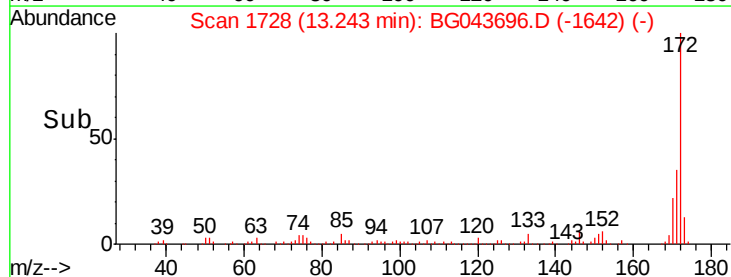
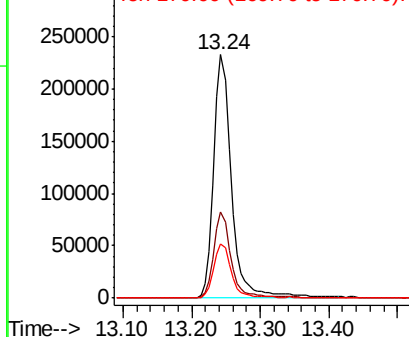


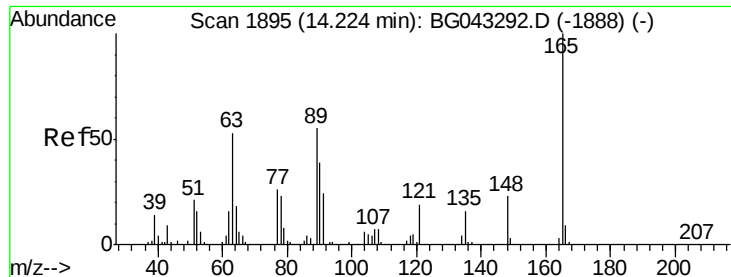
#45
 2-Fluorobiphenyl
 Concen: 88.957 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.02 min
 Lab File: BG043696.D
 Acq: 19 Nov 2019 13:43

Tgt Ion:172 Resp: 420649
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.9 43.3
 170 22.0 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

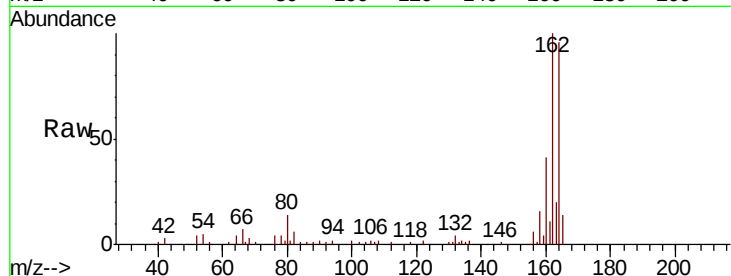




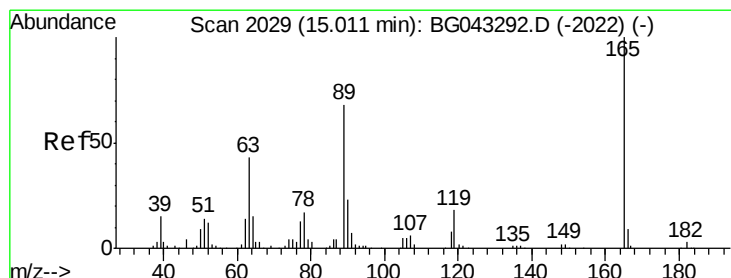
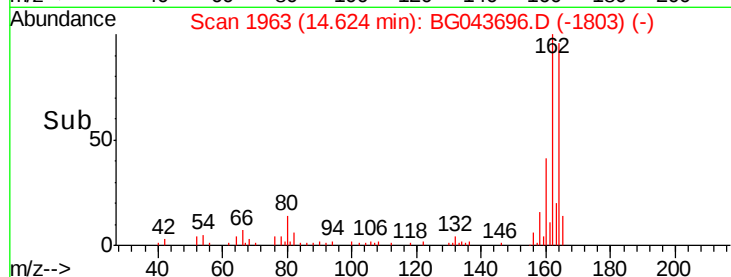
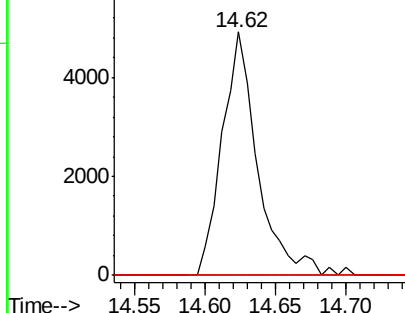
#51
 2,6-Dinitrotoluene
 Concen: 7.822 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.41 min
 Lab File: BG043696.D
 Acq: 19 Nov 2019 13:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8600
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 0.0 45.1 67.7#

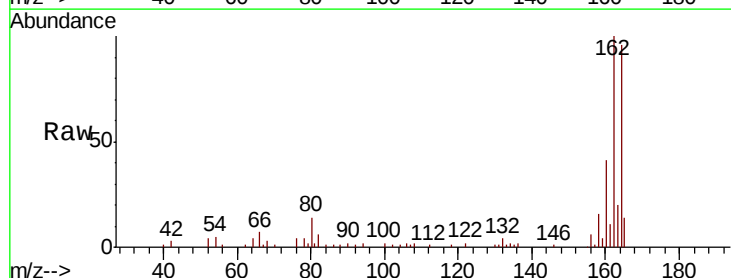


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

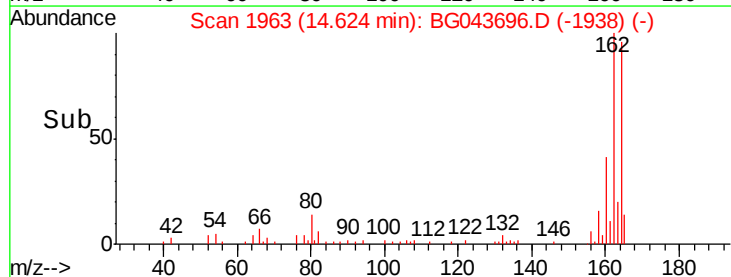
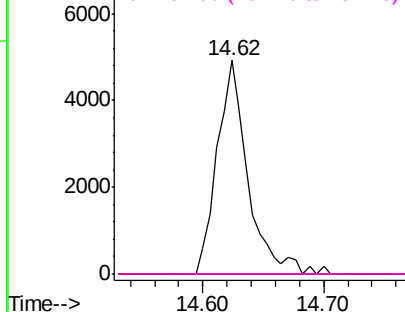


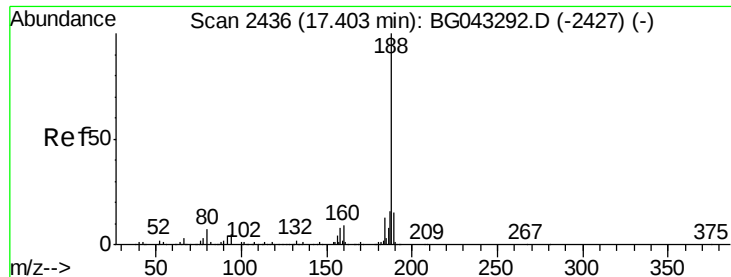
#57
 2,4-Dinitrotoluene
 Concen: 5.511 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043696.D
 Acq: 19 Nov 2019 13:43

Tgt Ion:165 Resp: 8660
 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Instrument :

BNA_G

ClientSampleId :

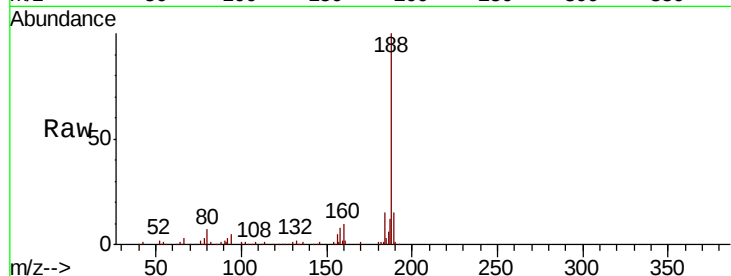
Tot Ion:188 Resp: 171426

Ion Ratio Lower Upper

188 100

94 5.4 4.2 6.4

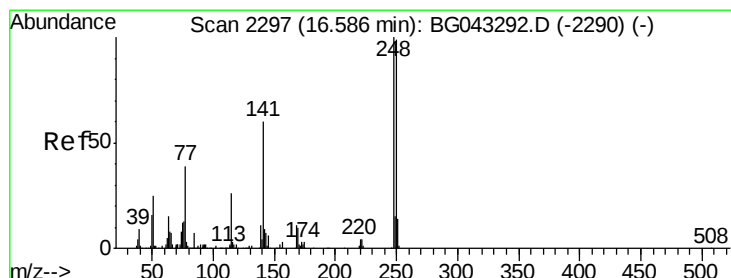
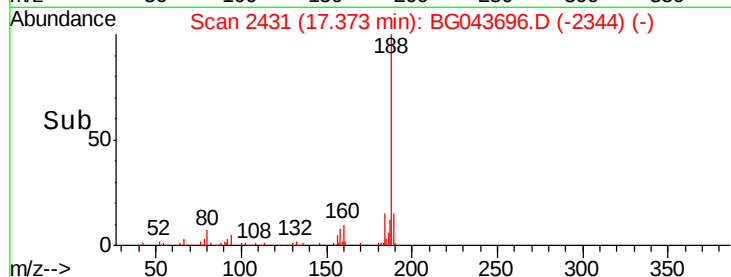
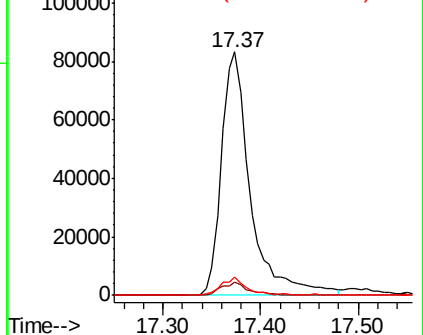
80 7.4 4.5 6.7#



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: 4.303 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

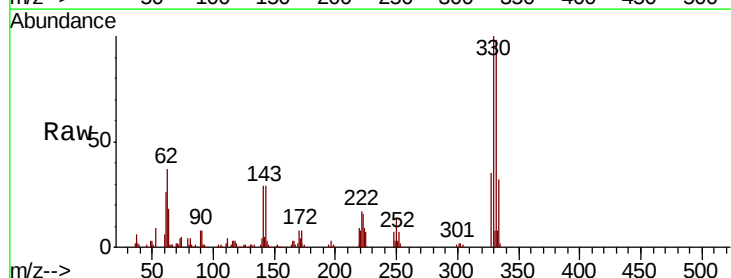
Tgt Ion:248 Resp: 9926

Ion Ratio Lower Upper

248 100

250 207.8 77.0 115.4#

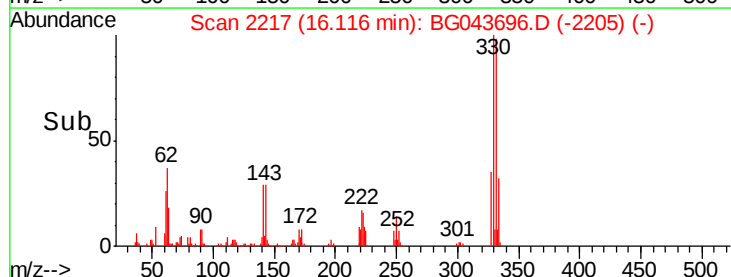
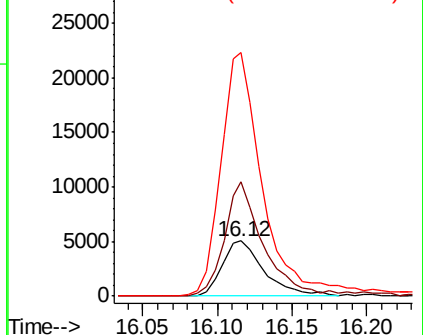
141 441.5 47.5 71.3#

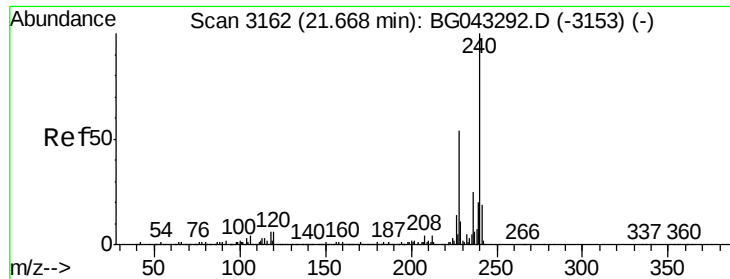


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

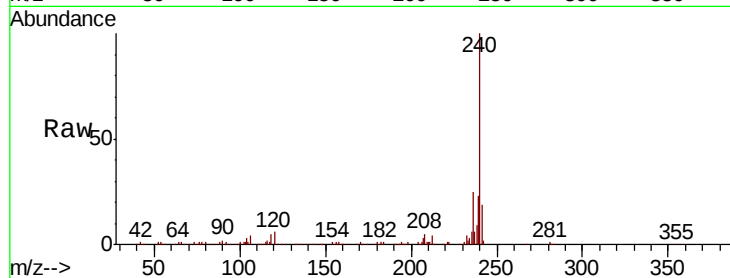




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BG043696.D
Acq: 19 Nov 2019 13:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.6	6.8
236	24.9	19.8	29.8

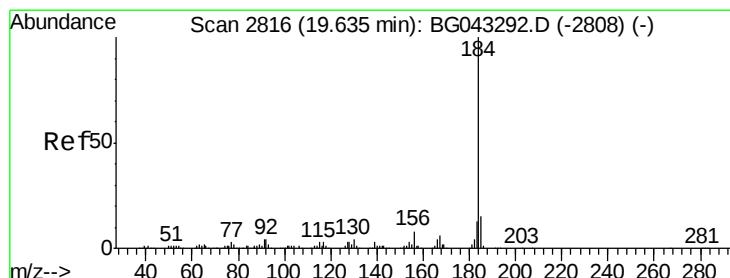
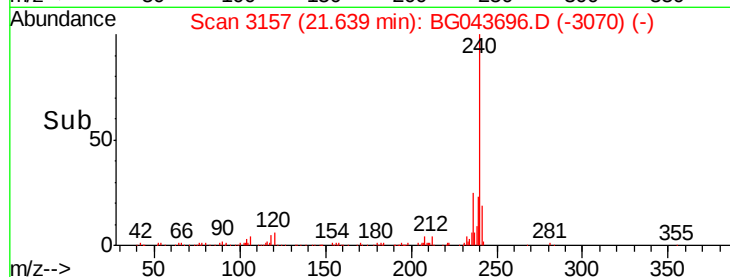
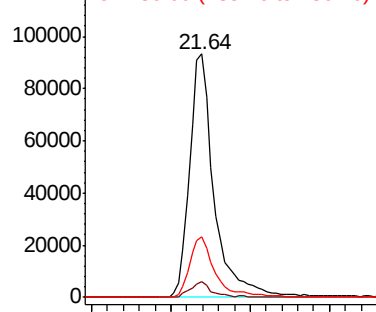


Abundance

Ion 240.00 (239.70 to 240.70): E

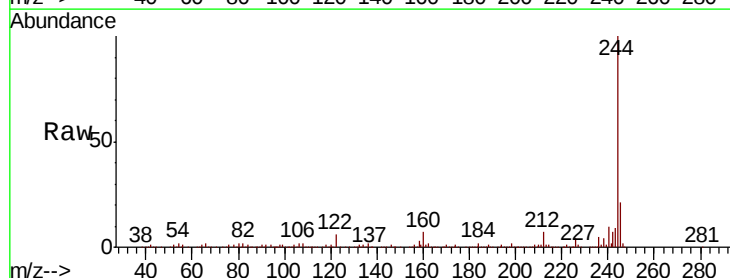
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 3.615 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.36 min
Lab File: BG043696.D
Acq: 19 Nov 2019 13:43

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.3	11.0	16.4#
183	10.0	10.0	15.0#

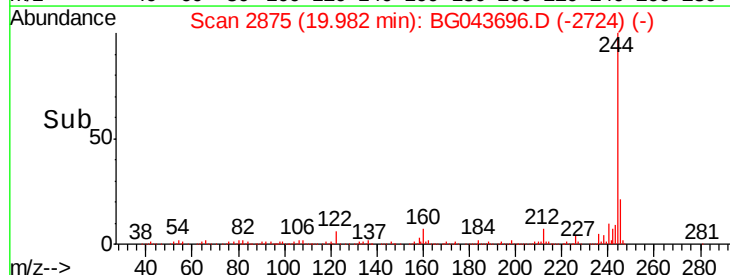
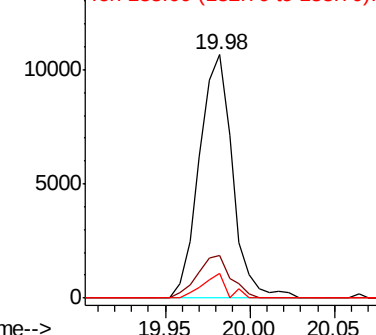


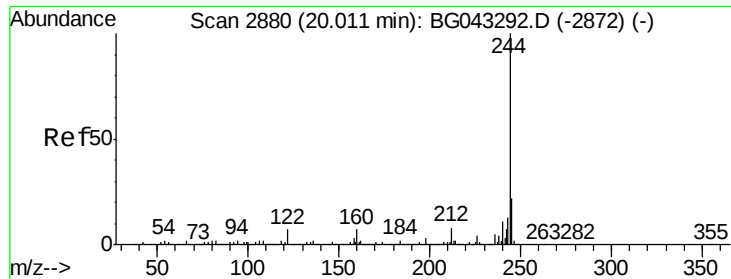
Abundance

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: 95.393 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

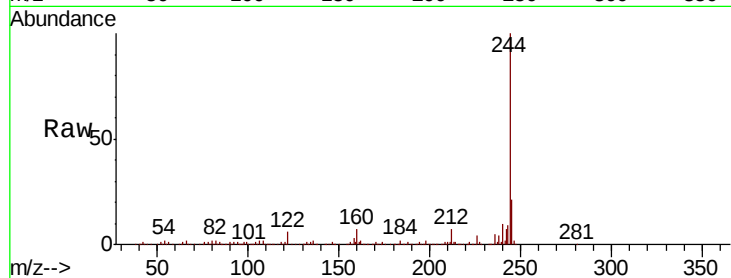
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1018309

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.3	5.4	8.2

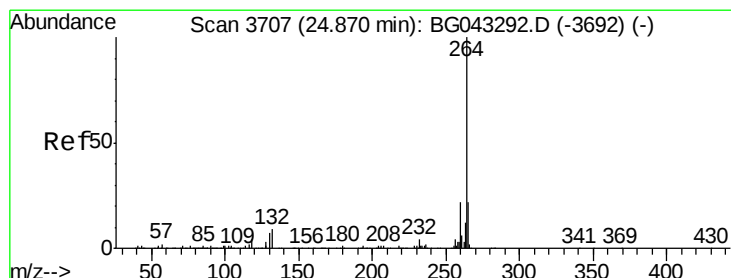
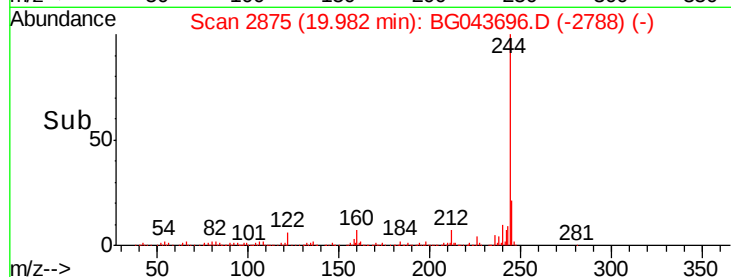
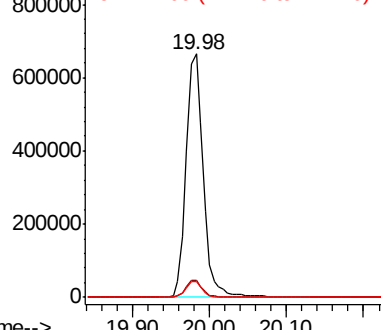


Abundance

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# 3698

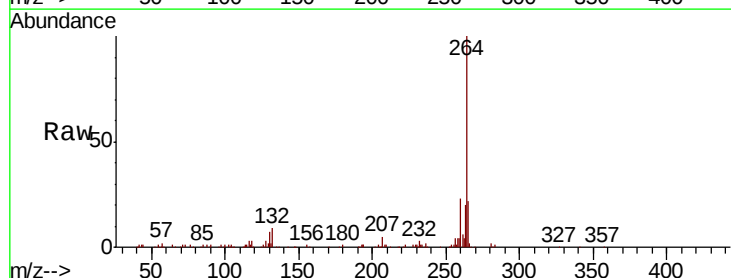
Delta R.T. -0.03 min

Lab File: BG043696.D

Acq: 19 Nov 2019 13:43

Tgt Ion:264 Resp: 206112

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.5	26.3
265	21.5	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

