

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043591.D
 Acq On : 11 Nov 2019 19:59
 Operator : JU
 Sample : PB124701TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124701TB

Quant Time: Nov 12 00:48:23 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

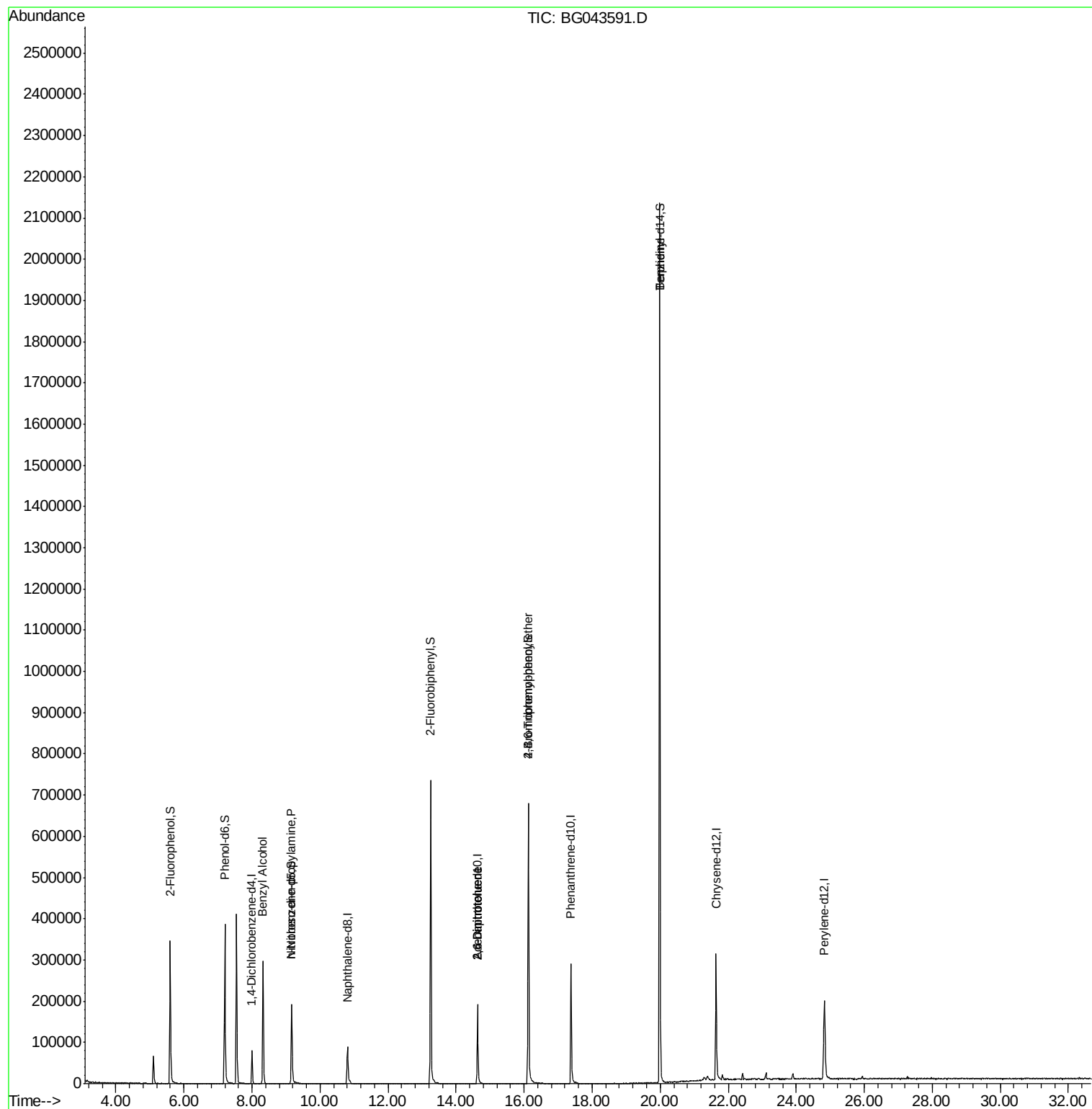
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	24232	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	92889	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	82954	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	235305	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	228909	20.00	ng	-0.01
87) Perylene-d12	24.83	264	240606	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	177636	134.33	ng	0.00
7) Phenol-d6	7.20	99	250022	131.41	ng	0.00
23) Nitrobenzene-d5	9.16	82	144693	80.31	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	173773	110.08	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	446277	74.34	ng	-0.01
79) Terphenyl-d14	19.99	244	1178993	96.63	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.33	79	2847	2.131	ng	# 63
19) n-Nitroso-di-n-propylamine	9.16	70	19306	15.703	ng	# 80
51) 2,6-Dinitrotoluene	14.63	165	11241	8.053	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	11241	5.635	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	11764	3.715	ng	# 1
77) Benzidine	19.99	184	16867	3.661	ng	# 91

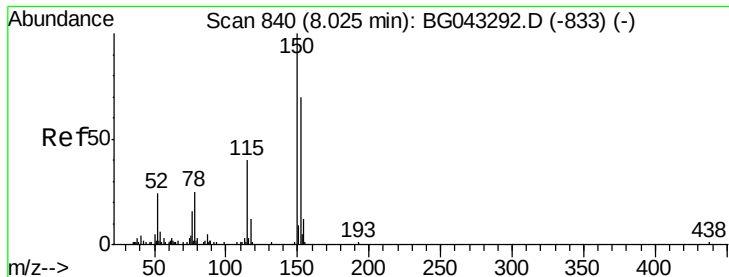
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



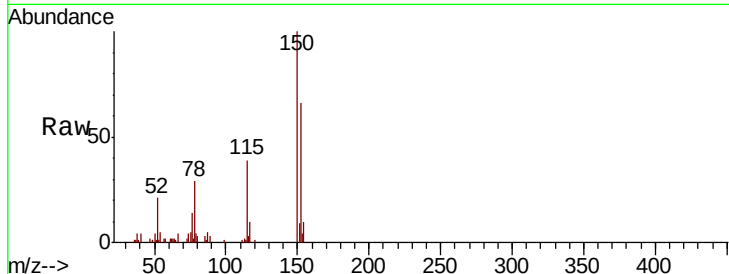


#1

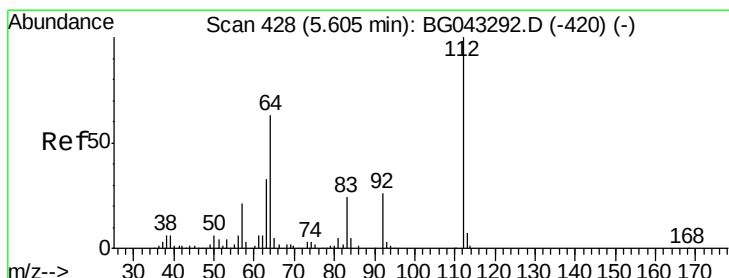
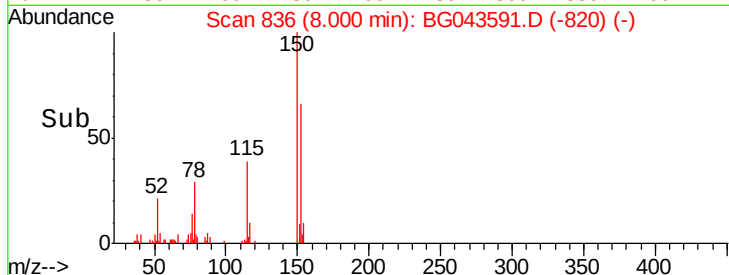
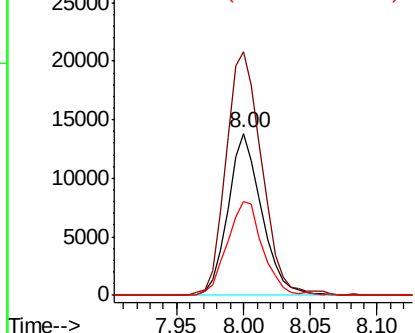
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043591.D
Acq: 11 Nov 2019 19:59

Instrument :
BNA_G
ClientSampleId :
PB124701TB

Tot Ion:152 Resp: 24232
Ion Ratio Lower Upper
152 100
150 150.4 129.4 194.0
115 58.2 48.8 73.2



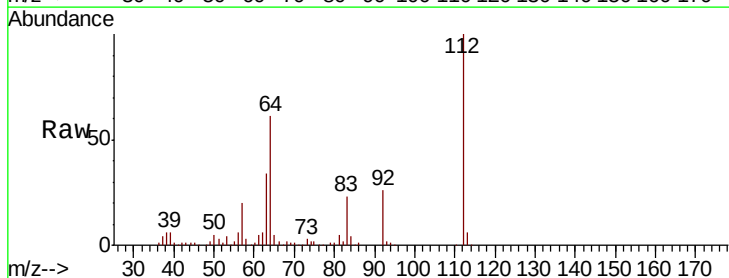
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



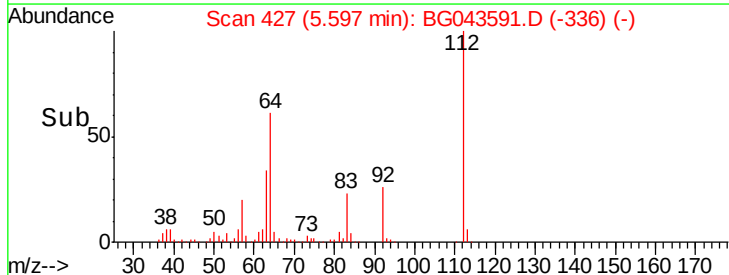
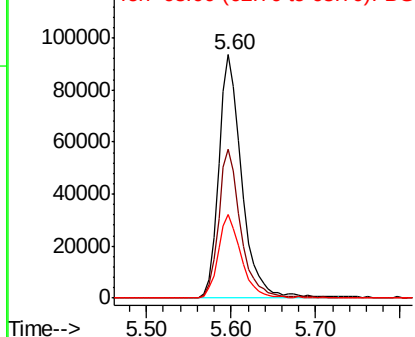
#5

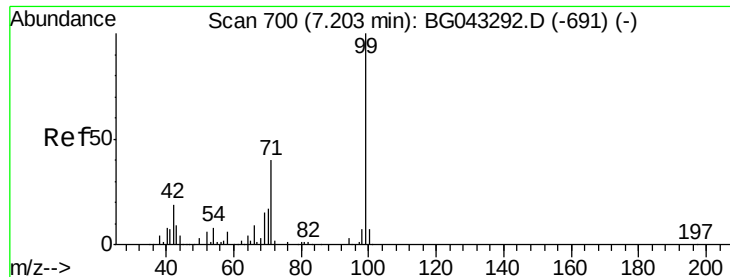
2-Fluorophenol
Concen: 134.330 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043591.D
Acq: 11 Nov 2019 19:59

Tgt Ion:112 Resp: 177636
Ion Ratio Lower Upper
112 100
64 61.2 50.0 75.0
63 34.3 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: 131.411 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleId :

PB124701TB

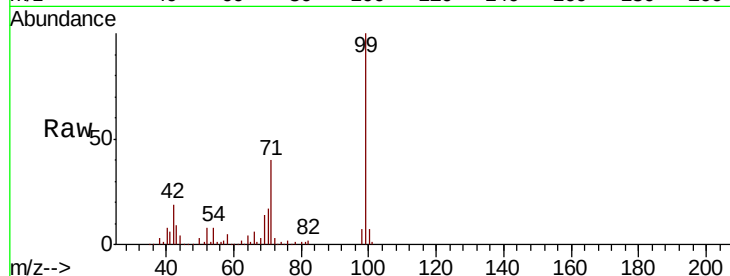
Tot Ion: 99 Resp: 250022

Ion Ratio Lower Upper

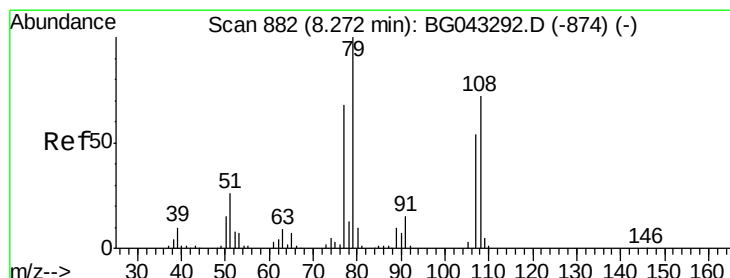
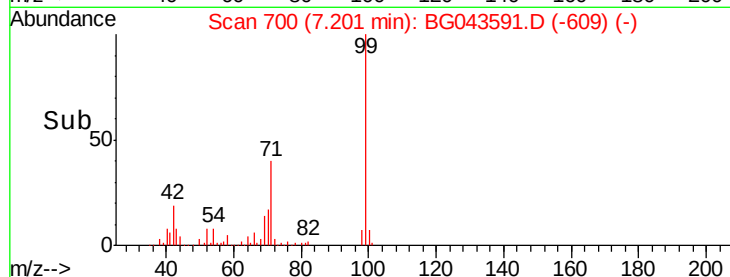
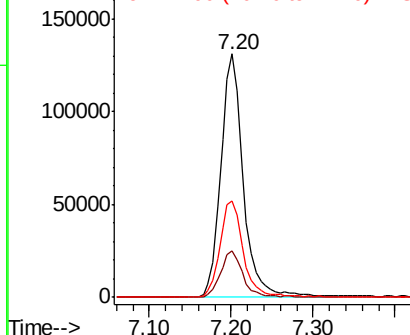
99 100

42 19.2 14.6 21.8

71 39.5 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: 2.131 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

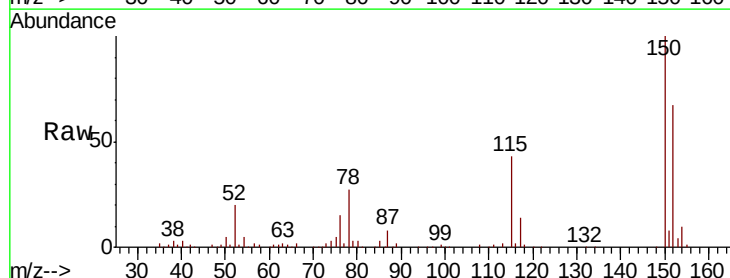
Tgt Ion: 79 Resp: 2847

Ion Ratio Lower Upper

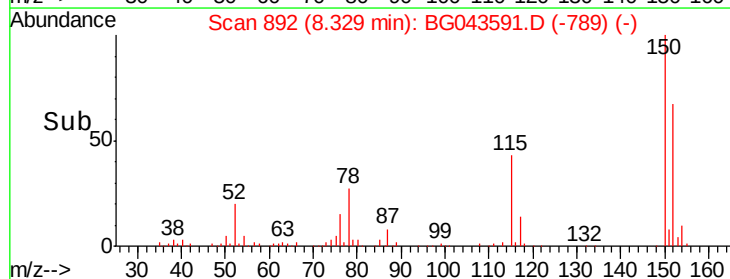
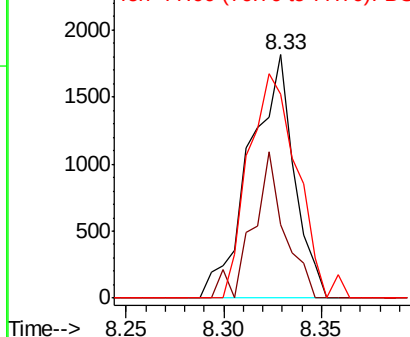
79 100

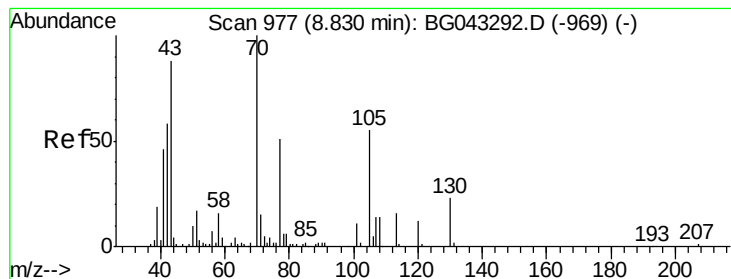
108 30.3 53.6 80.4#

77 83.8 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: 15.703 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleId :

PB124701TB

Tot Ion: 70 Resp: 19306

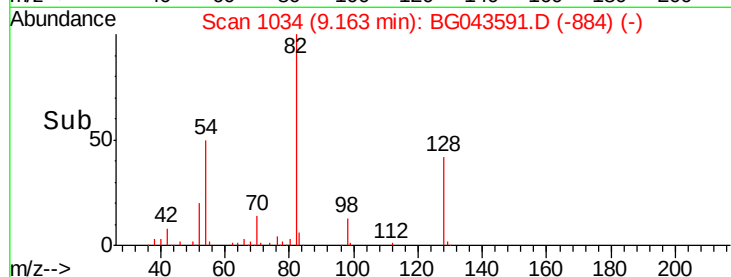
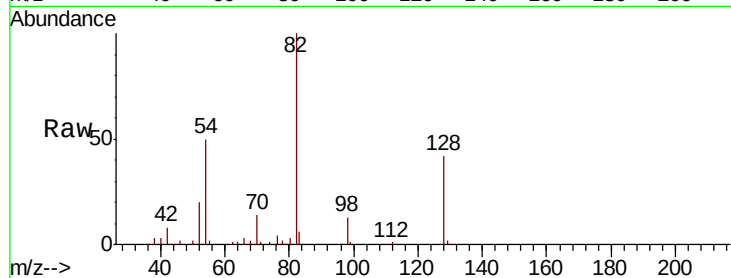
Ion Ratio Lower Upper

70 100

42 57.0 41.4 62.2

101 0.0 7.9 11.9#

130 2.4 19.0 28.4#

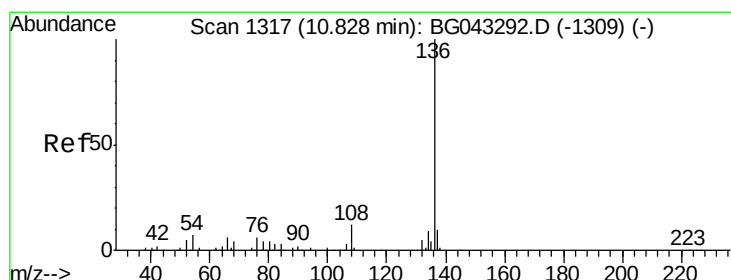
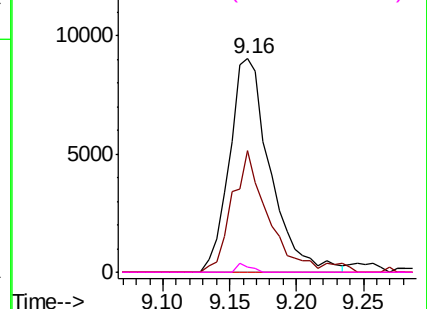


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Tgt Ion: 136 Resp: 92889

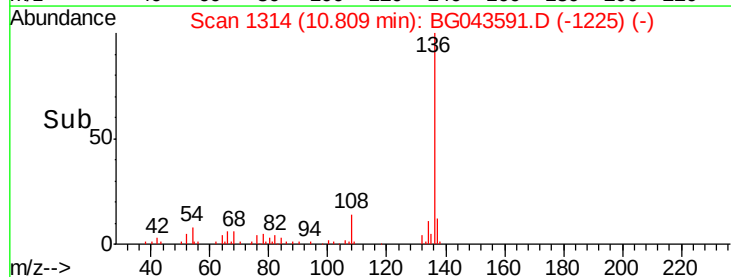
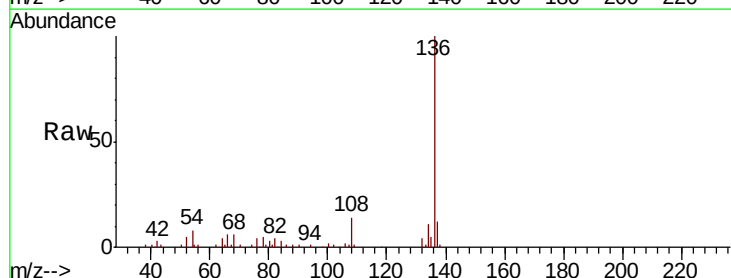
Ion Ratio Lower Upper

136 100

137 12.4 8.7 13.1

54 7.7 5.4 8.2

68 5.8 3.0 4.4#

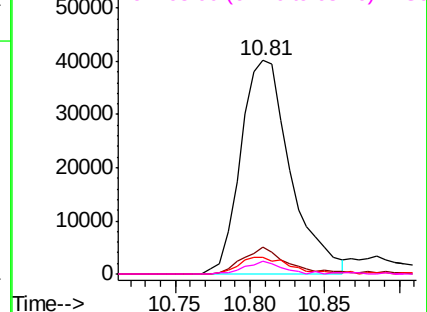


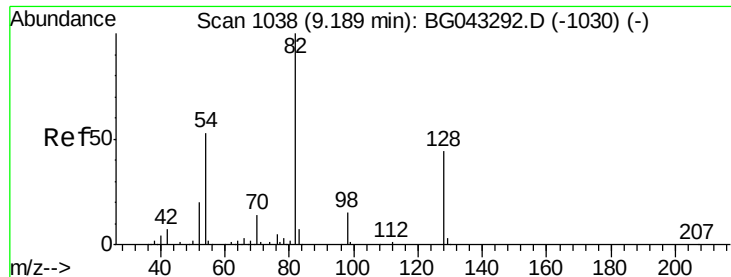
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

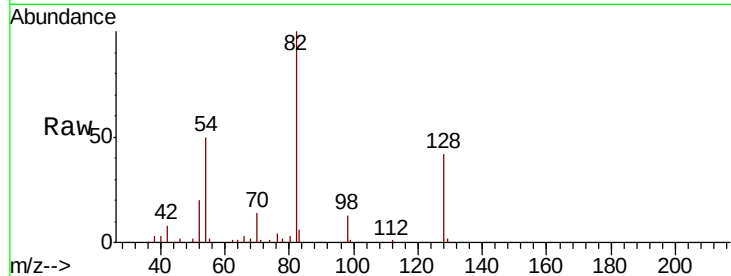




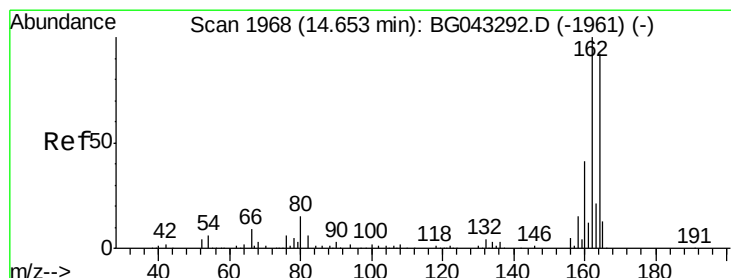
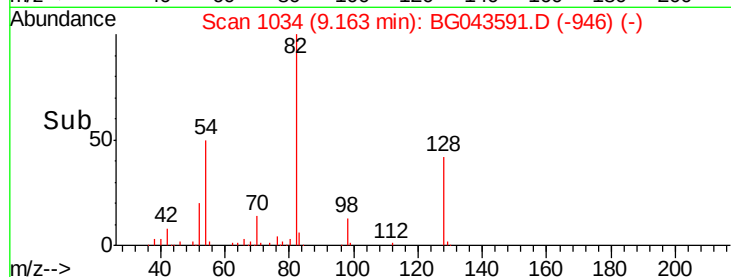
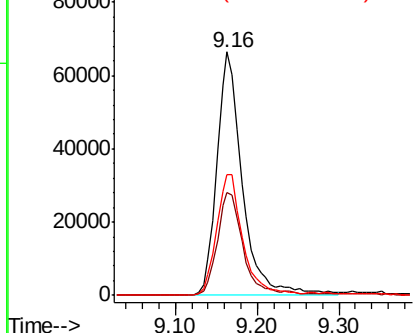
#23
Nitrobenzene-d5
Concen: 80.306 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043591.D
Acq: 11 Nov 2019 19:59

Instrument :
BNA_G
ClientSampleId :
PB124701TB

Tot Ion: 82 Resp: 144693
Ion Ratio Lower Upper
82 100
128 42.0 35.0 52.6
54 49.5 40.2 60.2

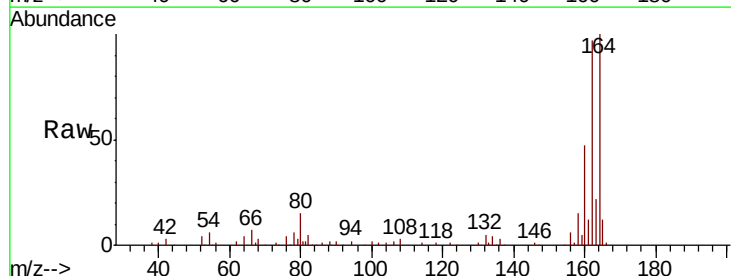


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

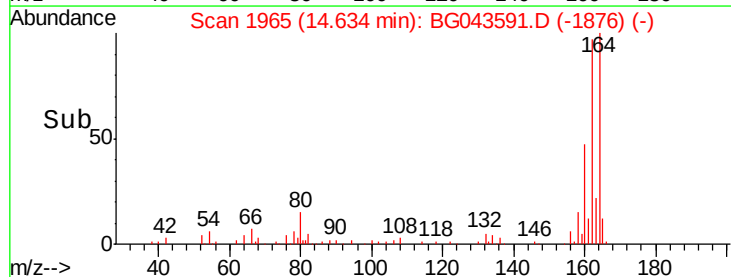
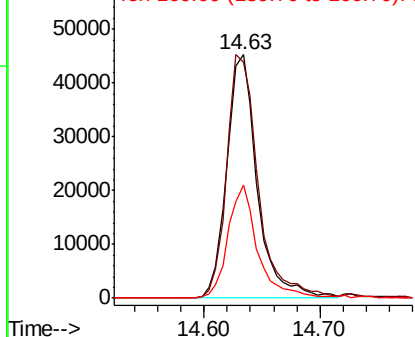


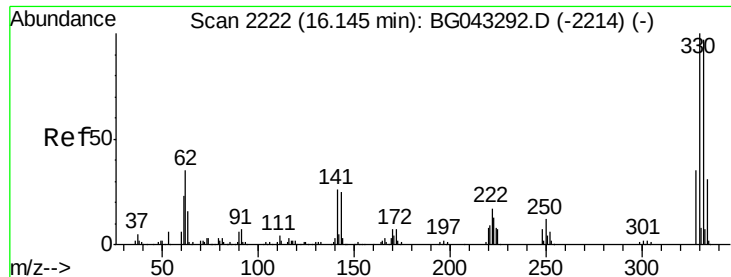
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043591.D
Acq: 11 Nov 2019 19:59

Tgt Ion: 164 Resp: 82954
Ion Ratio Lower Upper
164 100
162 97.1 83.5 125.3
160 46.7 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

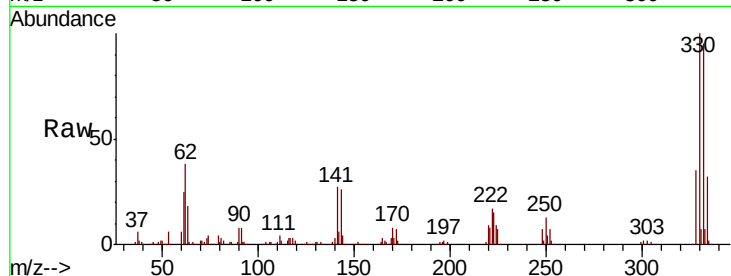




#42
 2,4,6-Tribromophenol
 Concen: 110.079 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043591.D
 Acq: 11 Nov 2019 19:59

Instrument :
 BNA_G
 ClientSampleId :
 PB124701TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.4	116.0
141	29.9	22.8	34.2

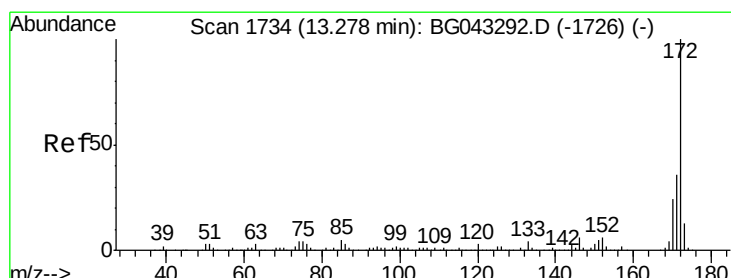
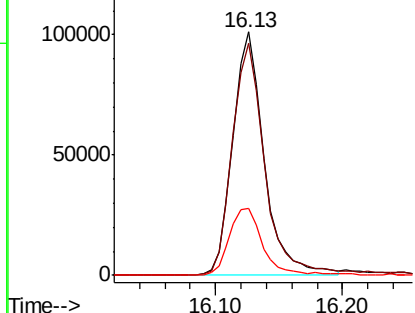
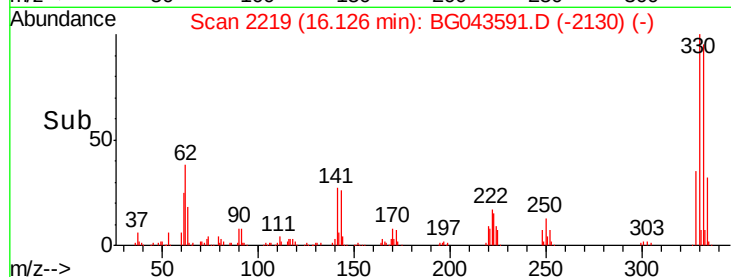


Abundance

Ion 329.80 (329.50 to 330.50): E

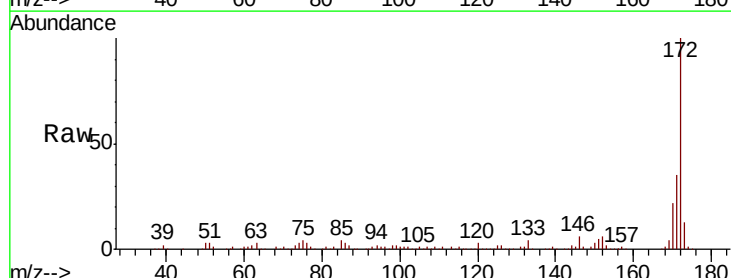
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 74.338 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043591.D
 Acq: 11 Nov 2019 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.9	43.3
170	21.9	18.5	27.7

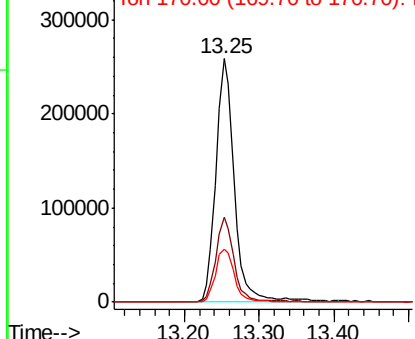
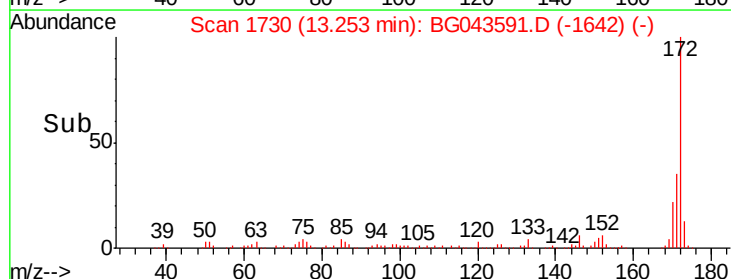


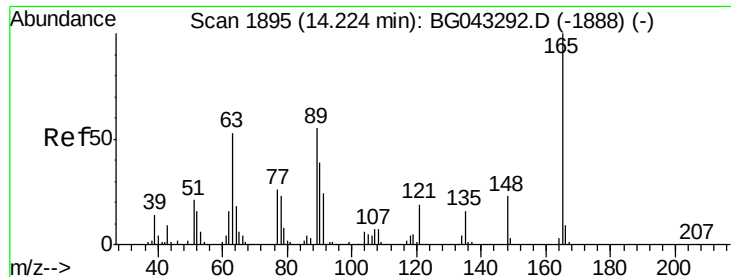
Abundance

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: 8.053 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.42 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleId :

PB124701TB

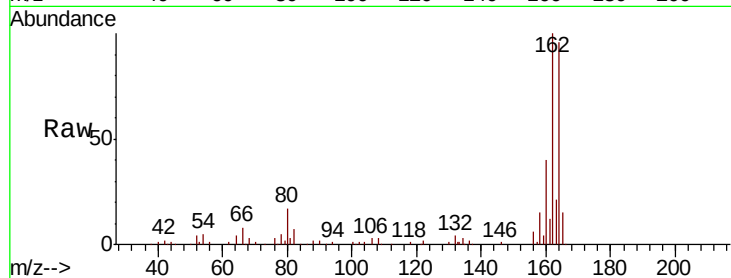
Tot Ion:165 Resp: 11241

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

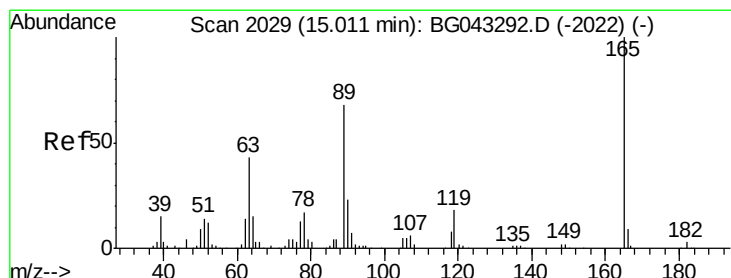
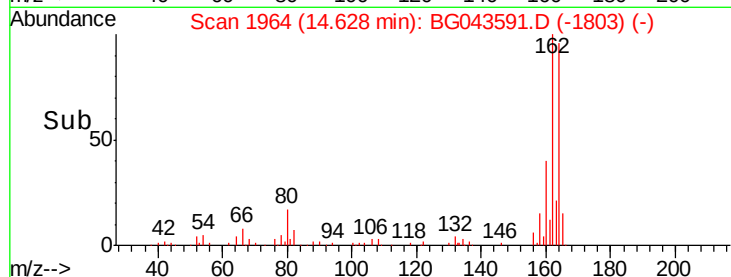
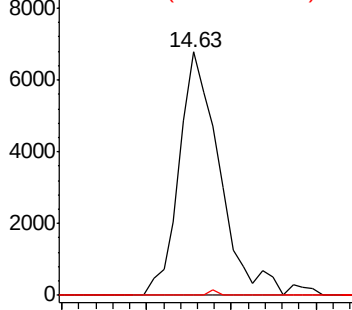
89 0.0 45.1 67.7#



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: 5.635 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.38 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Tgt Ion:165 Resp: 11241

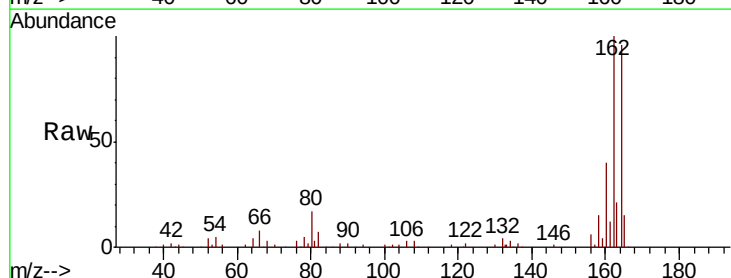
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

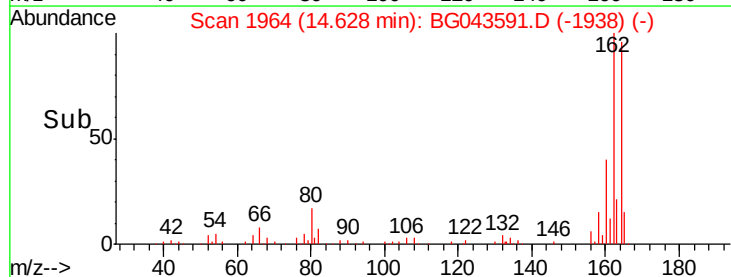
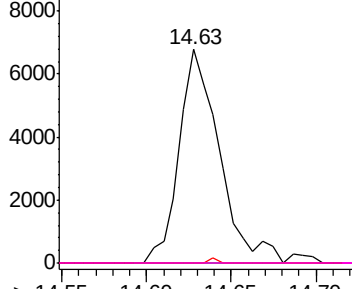


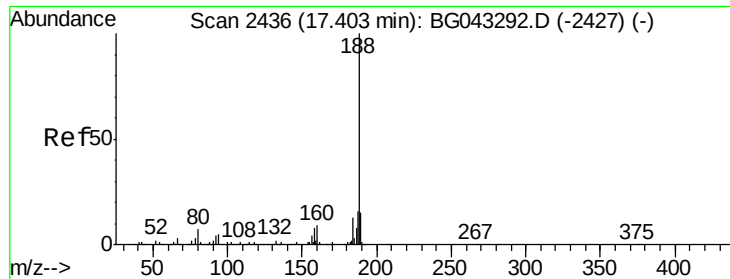
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleId :

PB124701TB

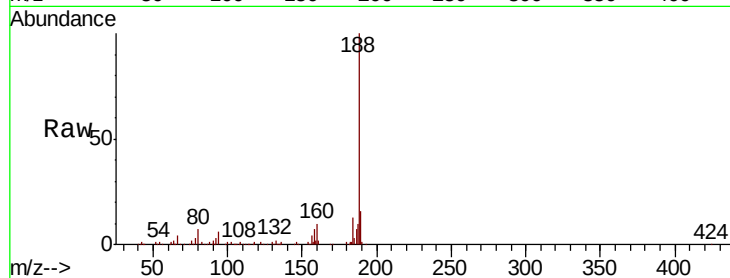
Tot Ion:188 Resp: 235305

Ion Ratio Lower Upper

188 100

94 5.6 4.2 6.4

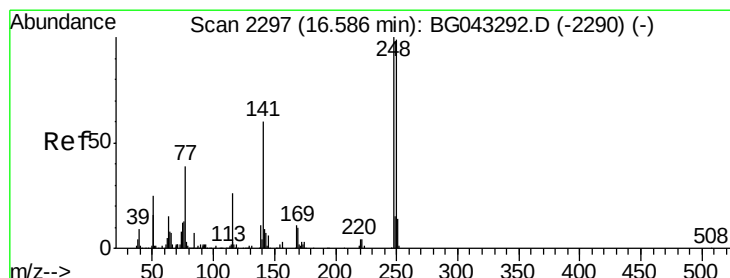
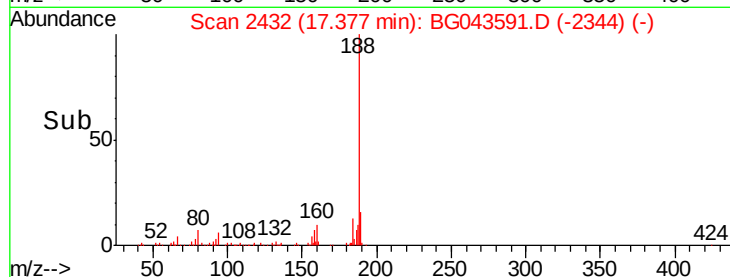
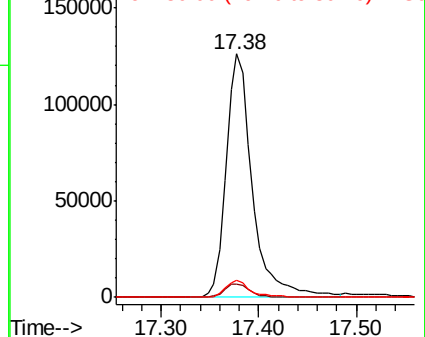
80 6.8 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.715 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

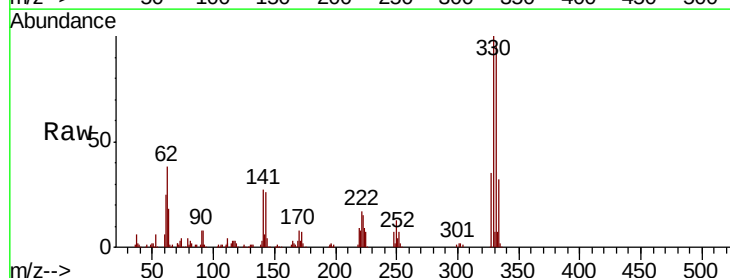
Tgt Ion:248 Resp: 11764

Ion Ratio Lower Upper

248 100

250 192.9 77.0 115.4#

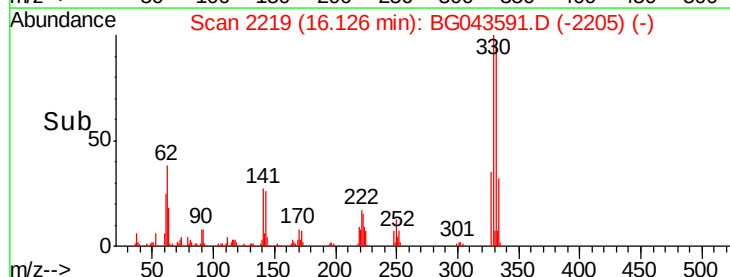
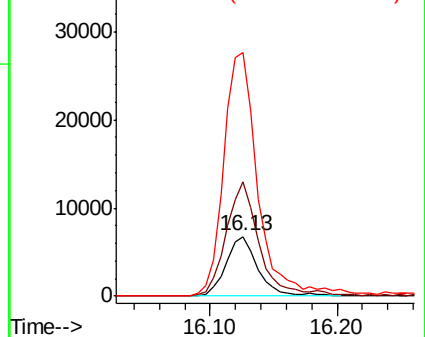
141 408.6 47.5 71.3#

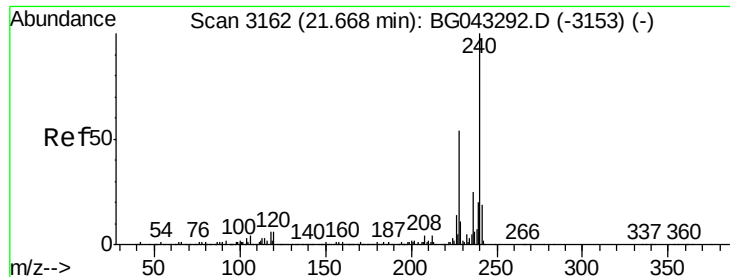


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3158

Delta R.T. -0.01 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleId :

PB124701TB

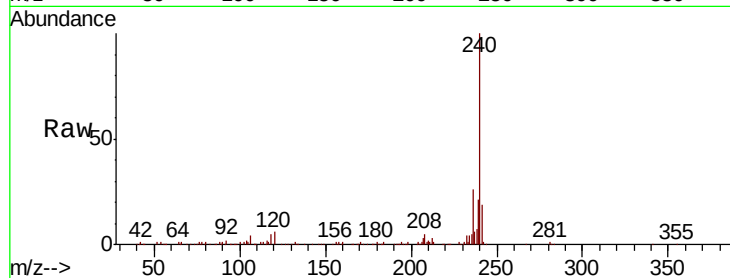
Tot Ion:240 Resp: 228909

Ion Ratio Lower Upper

240 100

120 5.9 4.6 6.8

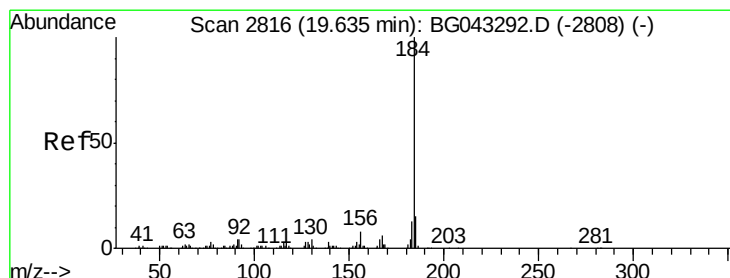
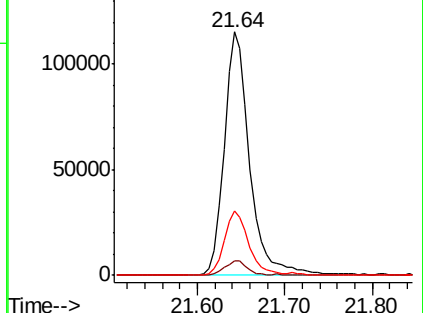
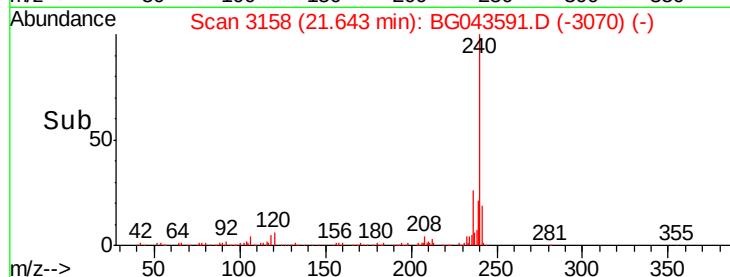
236 26.4 19.8 29.8



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: 3.661 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

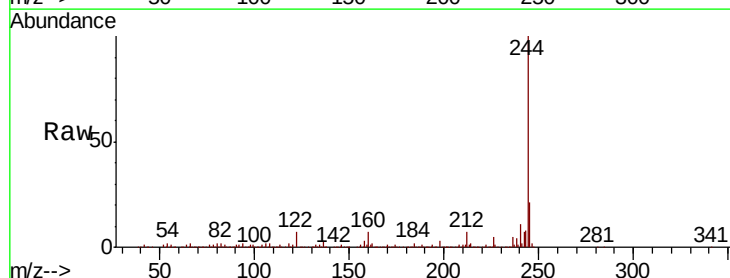
Tgt Ion:184 Resp: 16867

Ion Ratio Lower Upper

184 100

185 10.7 11.0 16.4#

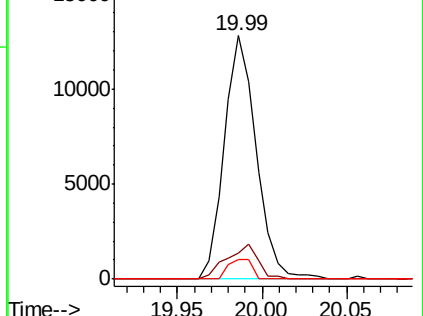
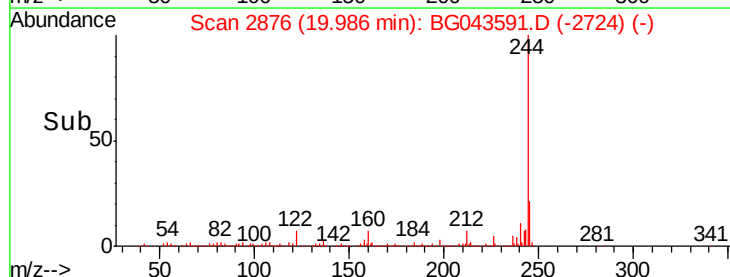
183 8.0 10.0 15.0#

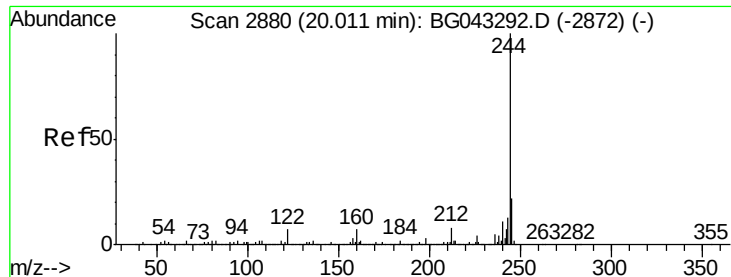


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.626 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

Instrument :

BNA_G

ClientSampleID :

PB124701TB

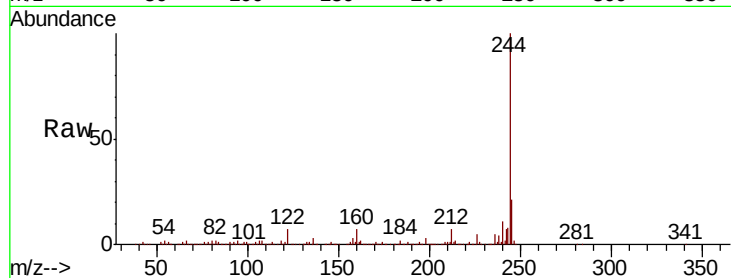
Tot Ion:244 Resp: 1178993

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	7.0	5.4	8.2

244 100

212 7.4 5.8 8.6

122 7.0 5.4 8.2

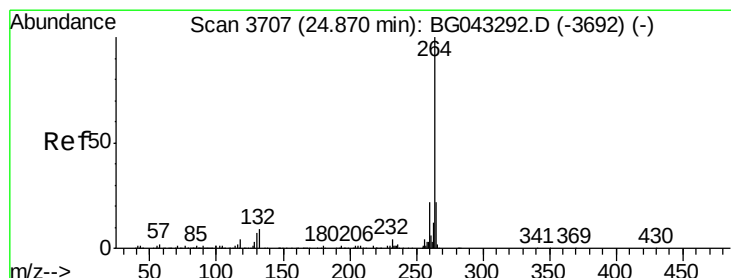
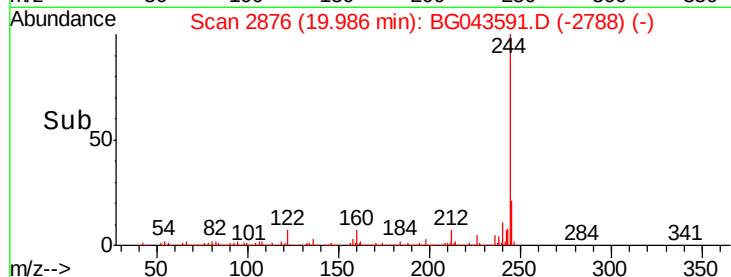
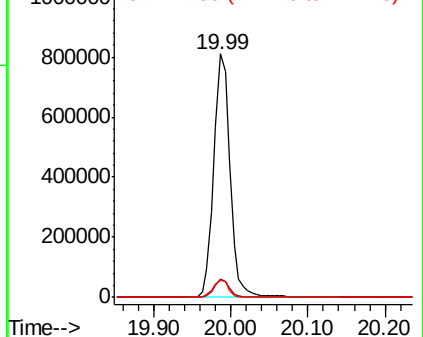


Abundance

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: 24.83 min Scan# 3700

Delta R.T. -0.03 min

Lab File: BG043591.D

Acq: 11 Nov 2019 19:59

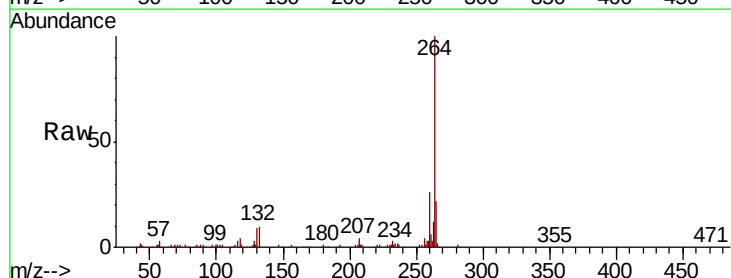
Tgt Ion:264 Resp: 240606

Ion	Ratio	Lower	Upper
264	100		
260	25.7	17.5	26.3
265	22.5	17.4	26.0

264 100

260 25.7 17.5 26.3

265 22.5 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

