

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043590.D
 Acq On : 11 Nov 2019 19:20
 Operator : JU
 Sample : PB124701BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124701BL

Quant Time: Nov 12 00:48:16 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

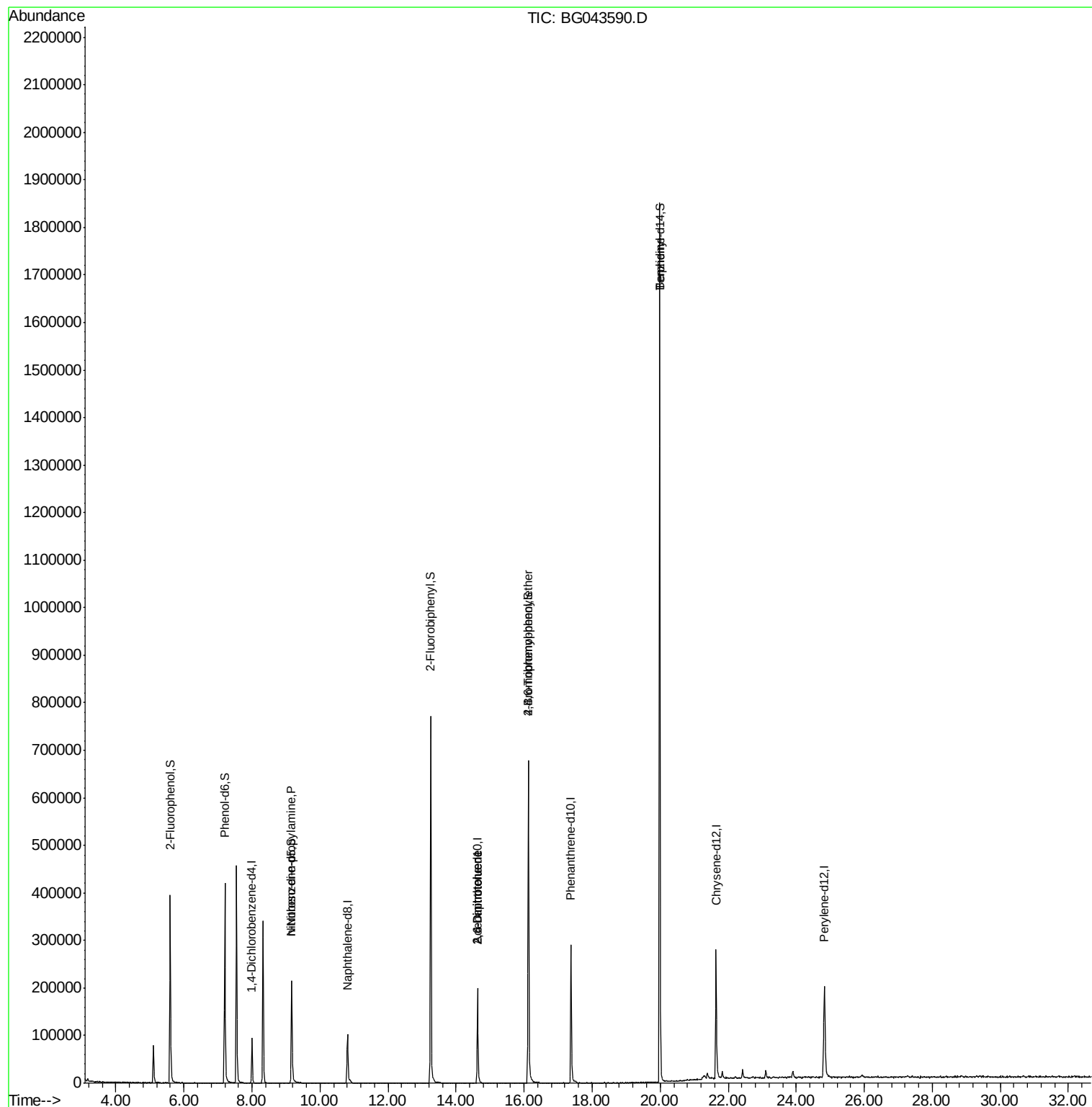
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	28755	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	114575	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	87812	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	228734	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	205540	20.00	ng	-0.01
87) Perylene-d12	24.83	264	241364	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	191640	122.12	ng	0.00
7) Phenol-d6	7.20	99	269262	119.26	ng	0.00
23) Nitrobenzene-d5	9.16	82	159333	71.69	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	180693	108.13	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	463884	73.00	ng	-0.01
79) Terphenyl-d14	19.99	244	1036485	94.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	22045	15.111	ng	# 81
51) 2,6-Dinitrotoluene	14.63	165	12035	8.145	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	12035	5.699	ng	# 25
67) 4-Bromophenyl-phenylether	16.13	248	11762	3.821	ng	# 1
77) Benzidine	19.99	184	15075	3.644	ng	# 87

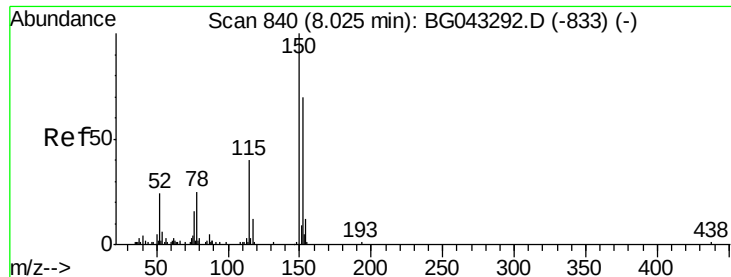
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

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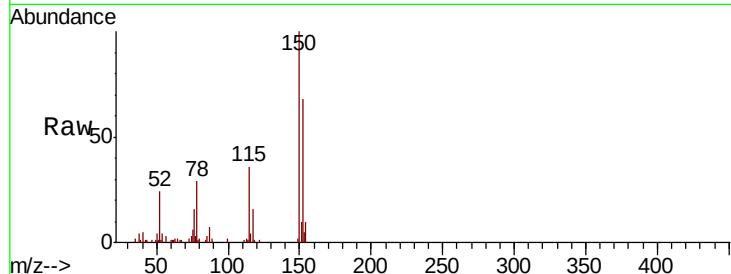


#1

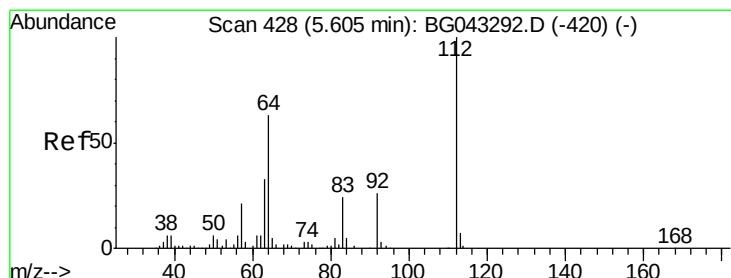
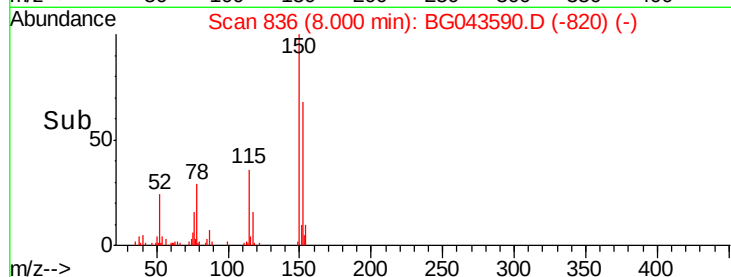
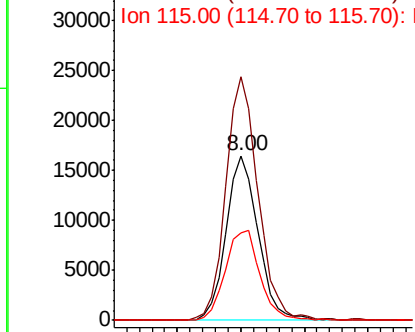
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

Instrument :
BNA_G
ClientSampleId :
PB124701BL

Tot Ion:152 Resp: 28755
Ion Ratio Lower Upper
152 100
150 148.0 129.4 194.0
115 53.0 48.8 73.2



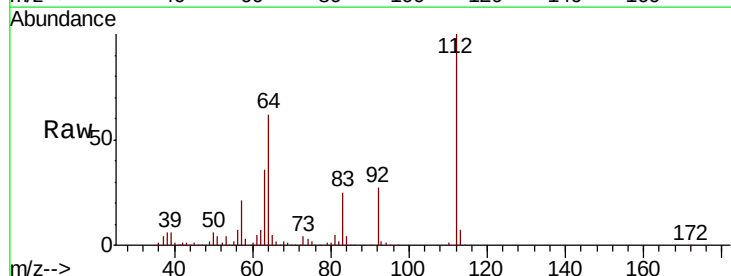
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



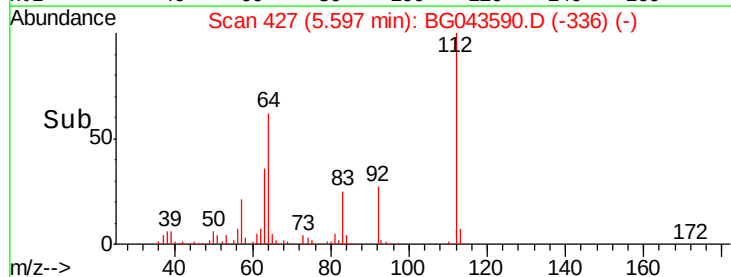
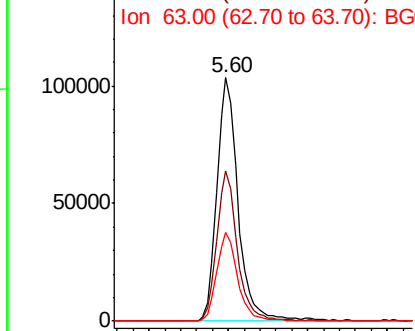
#5

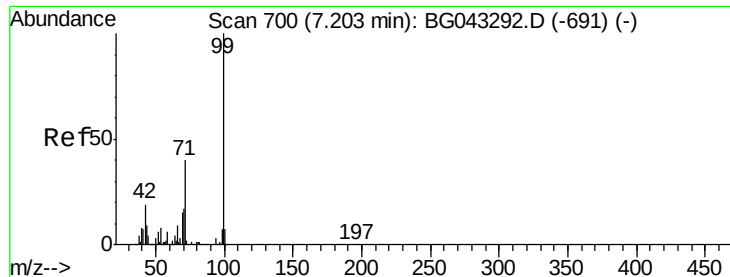
2-Fluorophenol
Concen: 122.125 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

Tgt Ion:112 Resp: 191640
Ion Ratio Lower Upper
112 100
64 61.6 50.0 75.0
63 36.4 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: 119.262 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

Instrument :

BNA_G

ClientSampleId :

PB124701BL

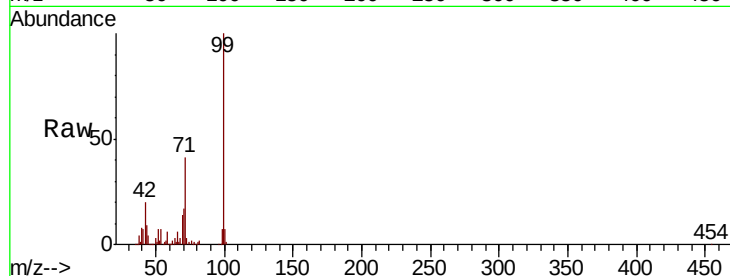
Tot Ion: 99 Resp: 269262

Ion Ratio Lower Upper

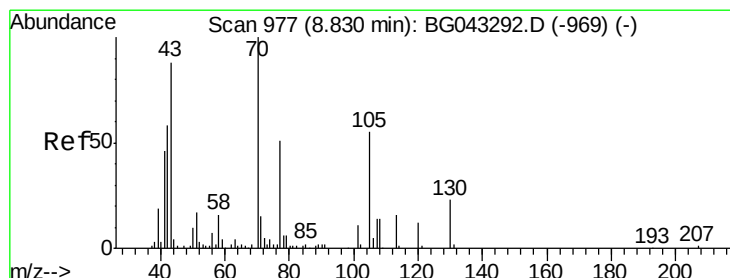
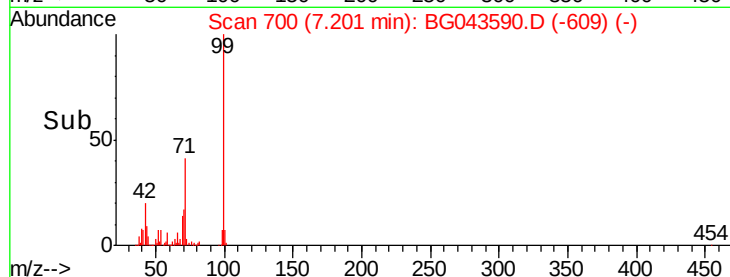
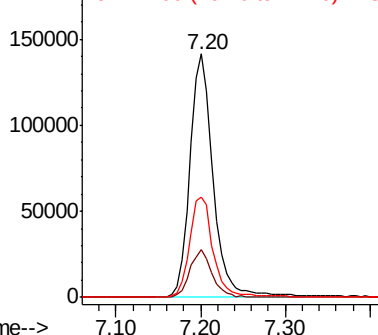
99 100

42 19.7 14.6 21.8

71 41.4 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: 15.111 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

Tgt Ion: 70 Resp: 22045

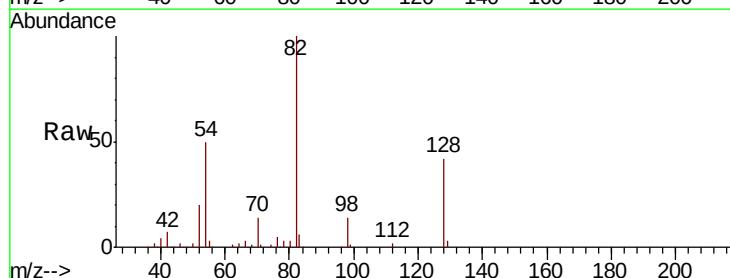
Ion Ratio Lower Upper

70 100

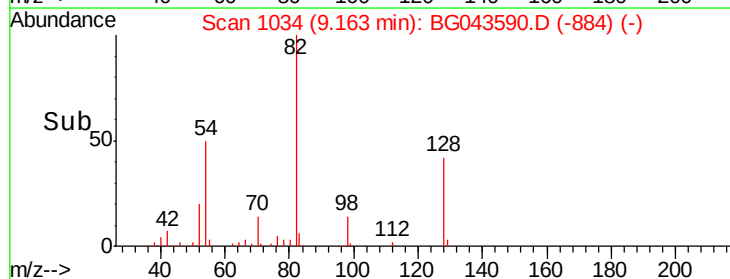
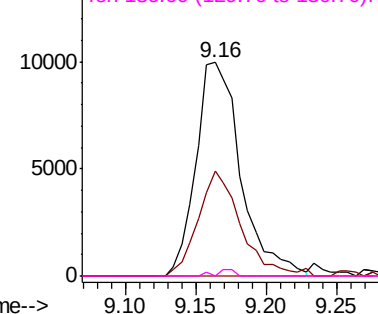
42 48.9 41.4 62.2

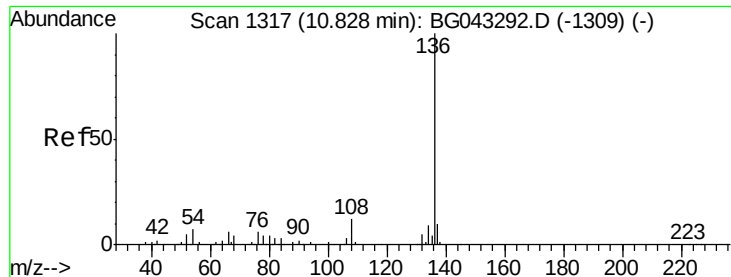
101 0.0 7.9 11.9#

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: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

Instrument :

BNA_G

ClientSampleId :

PB124701BL

Tot Ion:136 Resp: 114575

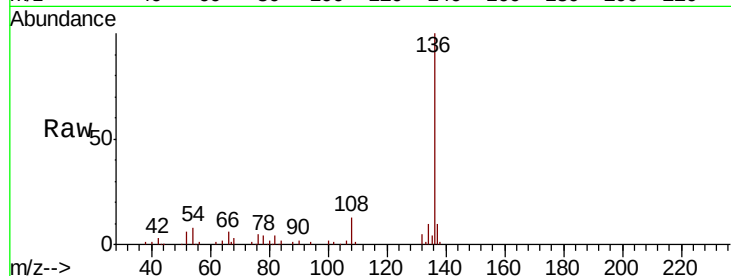
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 7.5 5.4 8.2

68 3.3 3.0 4.4

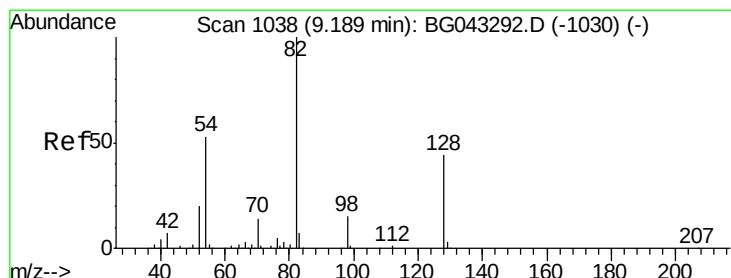
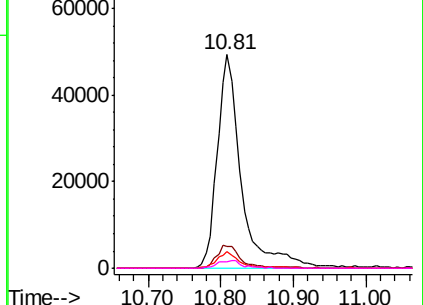
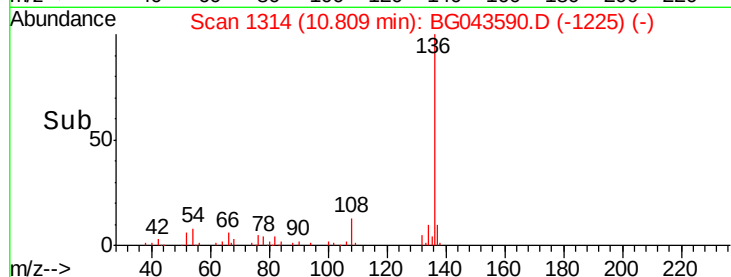


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.694 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

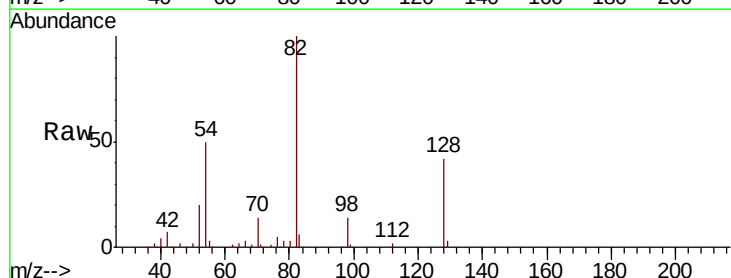
Tgt Ion: 82 Resp: 159333

Ion Ratio Lower Upper

82 100

128 42.2 35.0 52.6

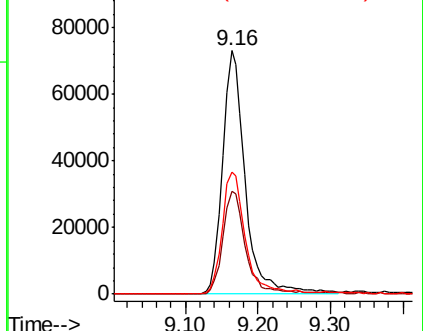
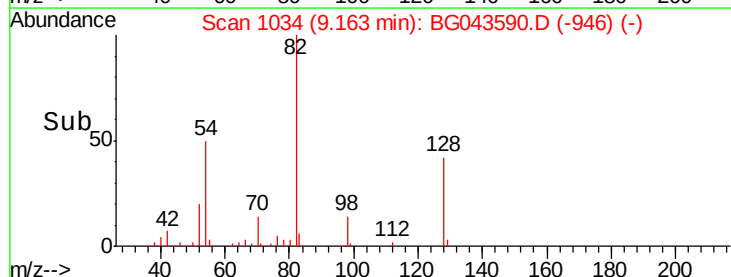
54 50.2 40.2 60.2

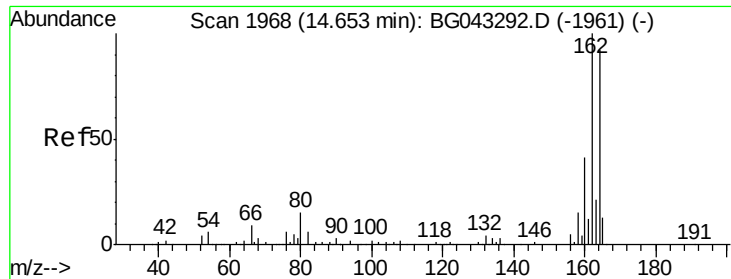


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

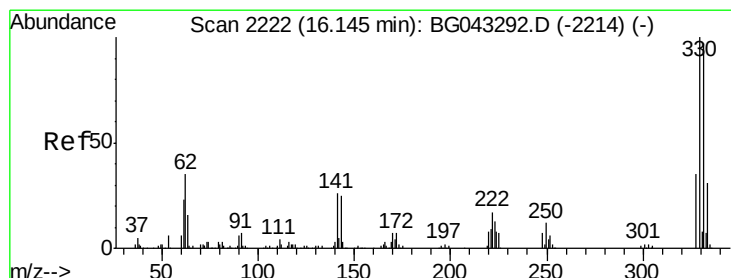
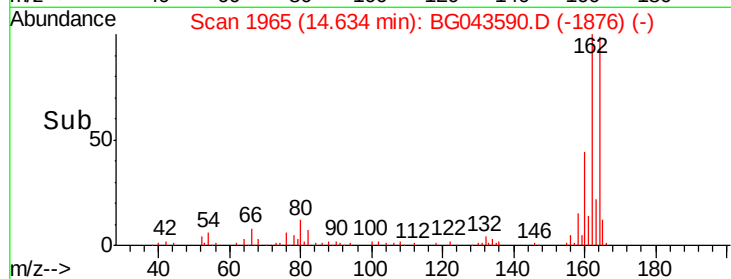
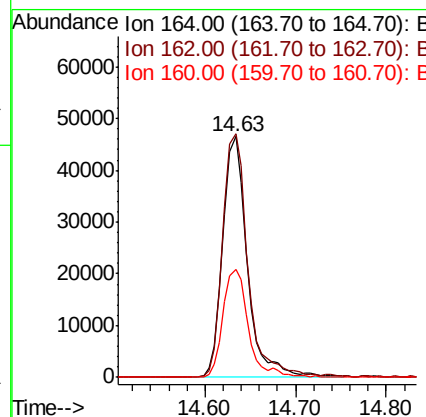
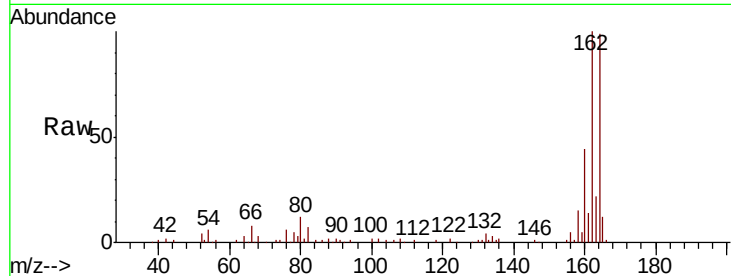




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

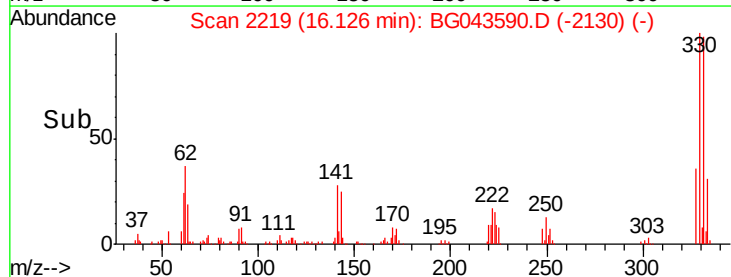
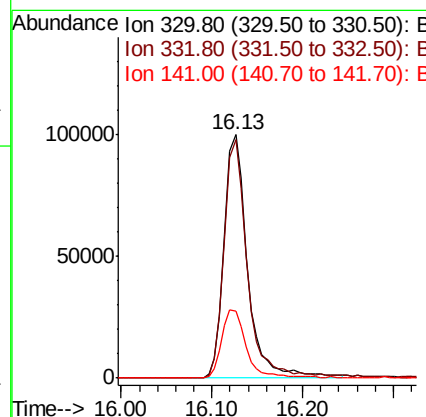
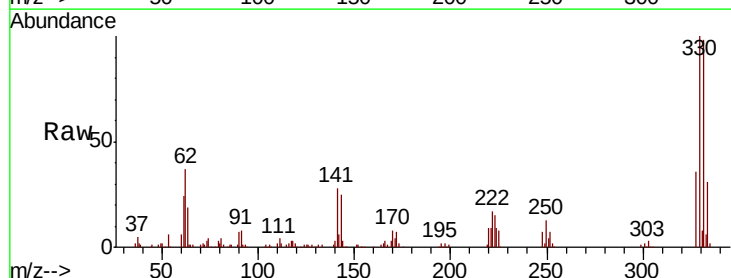
Instrument :
BNA_G
ClientSampleId :
PB124701BL

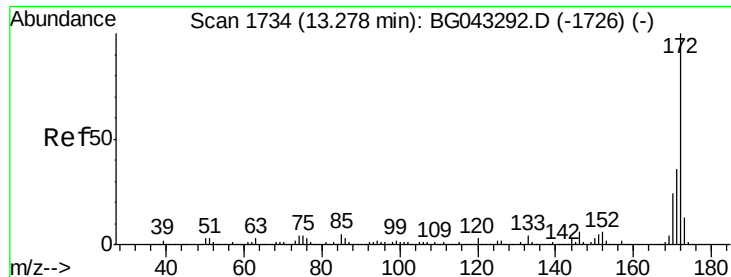
Tot Ion:164 Resp: 87812
Ion Ratio Lower Upper
164 100
162 101.2 83.5 125.3
160 44.8 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 108.130 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

Tgt Ion:330 Resp: 180693
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 29.2 22.8 34.2

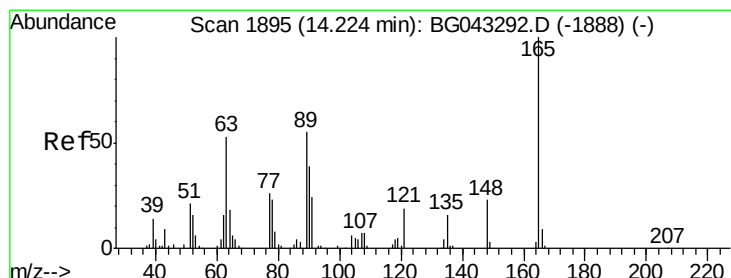
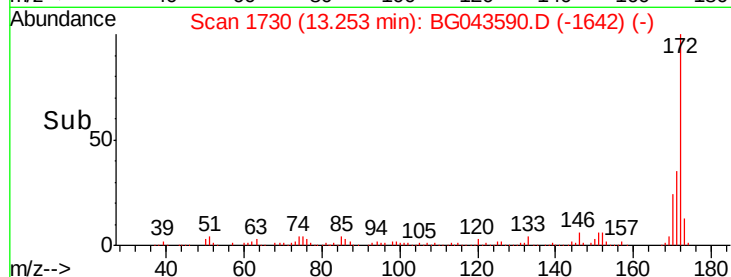
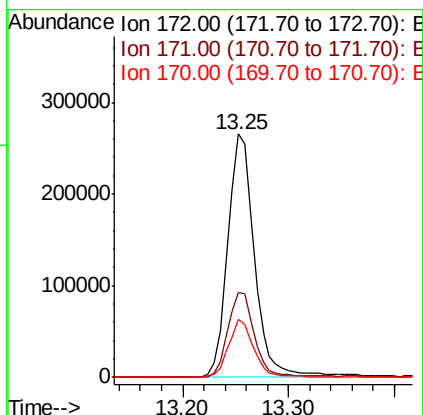
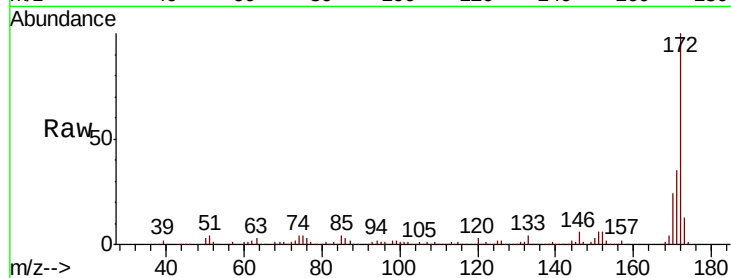




#45
 2-Fluorobiphenyl
 Concen: 72.996 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043590.D
 Acq: 11 Nov 2019 19:20

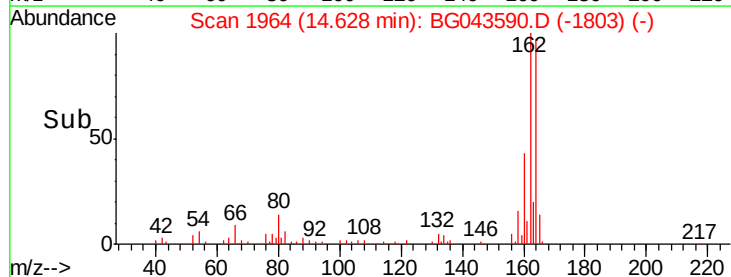
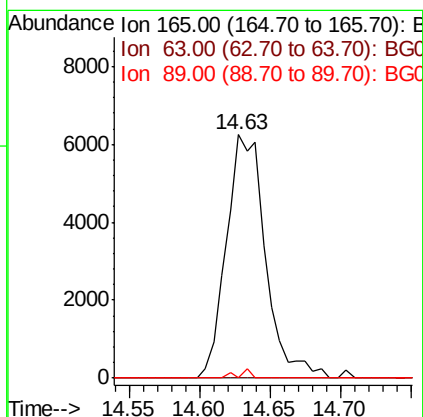
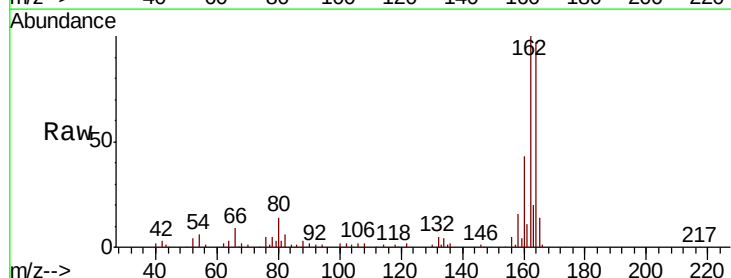
Instrument :
 BNA_G
 ClientSampleId :
 PB124701BL

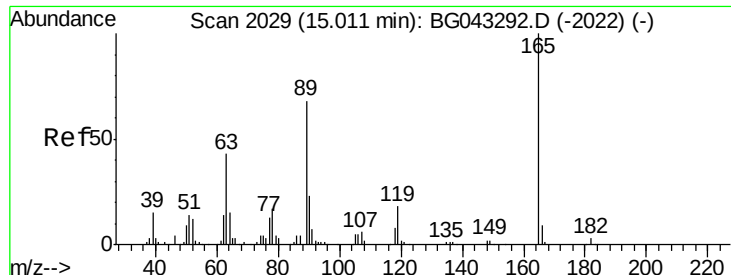
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.8	18.5	27.7



#51
 2,6-Dinitrotoluene
 Concen: 8.145 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043590.D
 Acq: 11 Nov 2019 19:20

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





#57

2,4-Dinitrotoluene

Concen: 5.699 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.38 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

Instrument :

BNA_G

ClientSampleId :

PB124701BL

Tot Ion:165 Resp: 12035

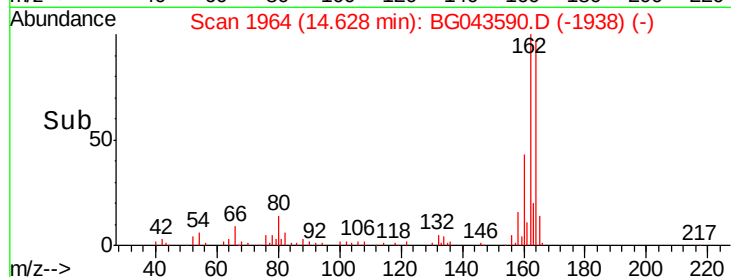
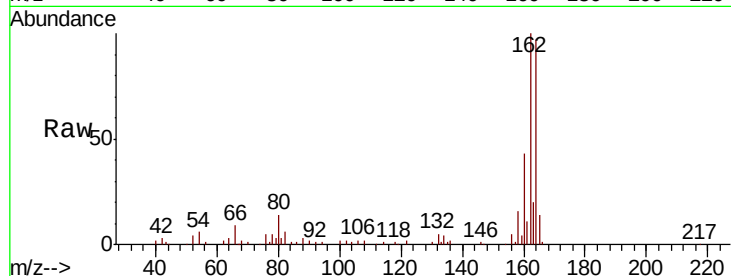
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

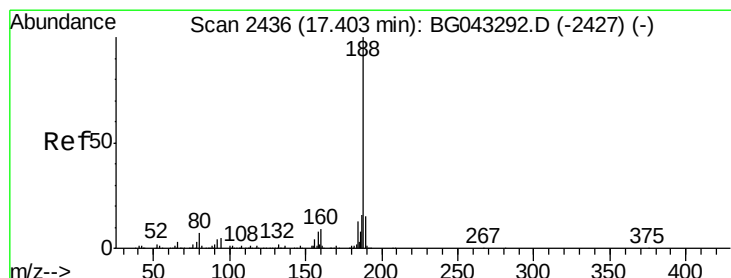
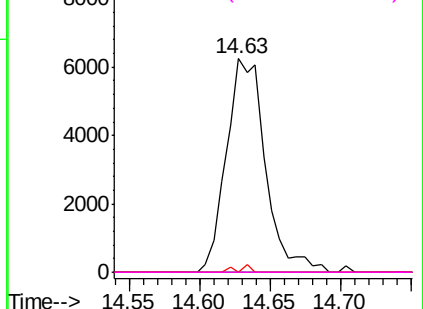


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG043590.D

Acq: 11 Nov 2019 19:20

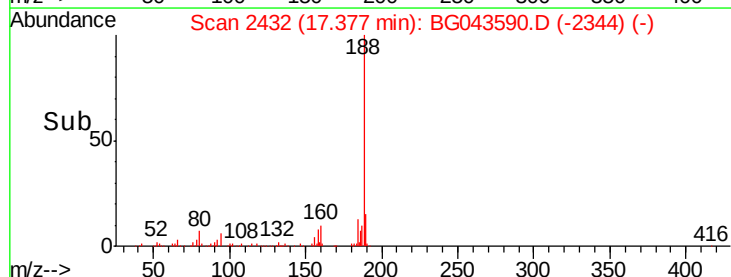
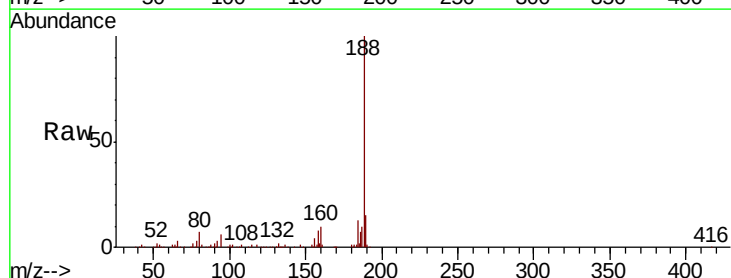
Tgt Ion:188 Resp: 228734

Ion Ratio Lower Upper

188 100

94 5.8 4.2 6.4

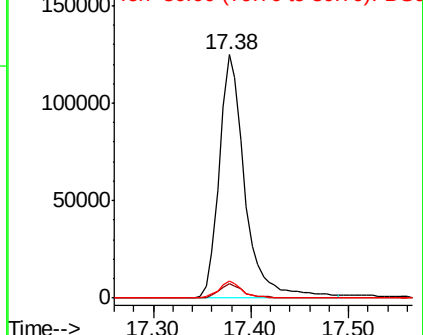
80 7.1 4.5 6.7#

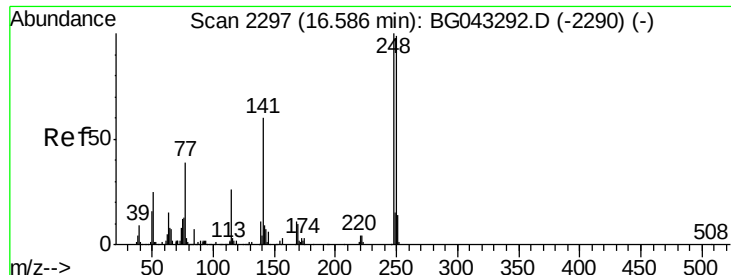


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

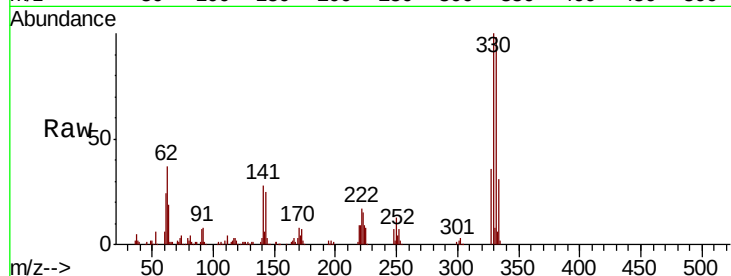




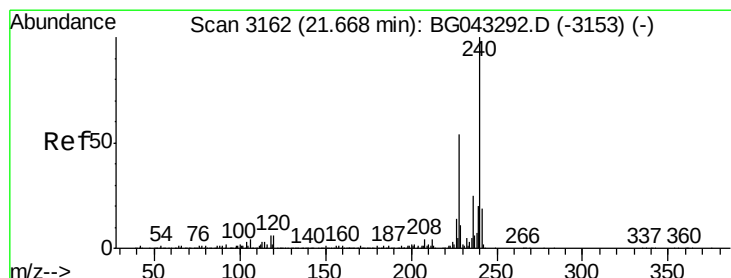
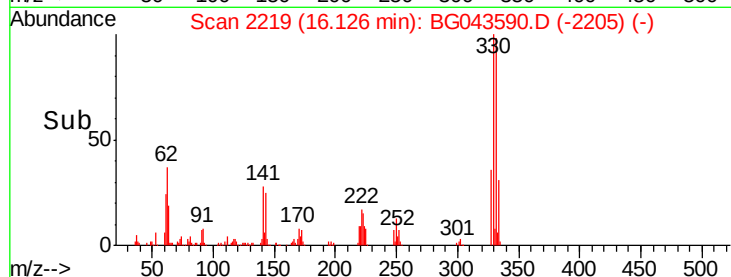
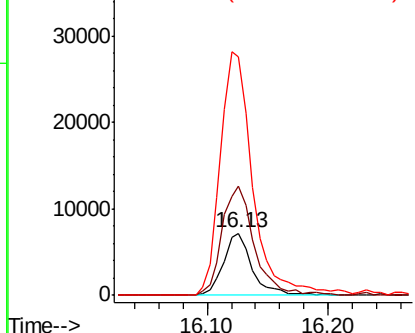
#67
4-Bromophenyl-phenylether
Concen: 3.821 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.45 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

Instrument :
BNA_G
ClientSampleId :
PB124701BL

Tot Ion:248 Resp: 11762
Ion Ratio Lower Upper
248 100
250 177.4 77.0 115.4#
141 385.4 47.5 71.3#

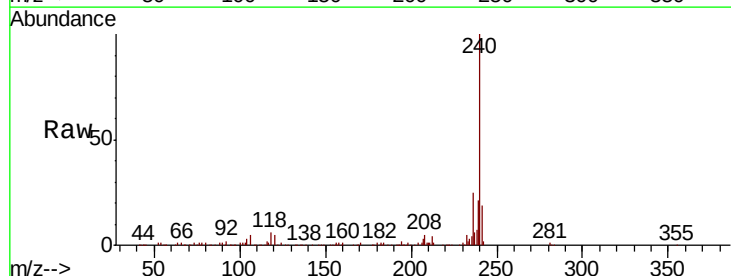


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

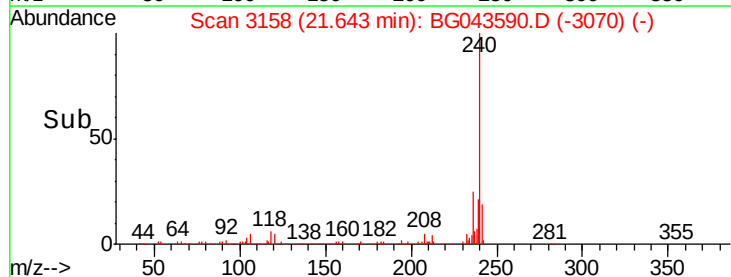
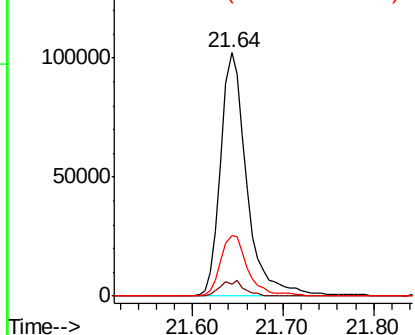


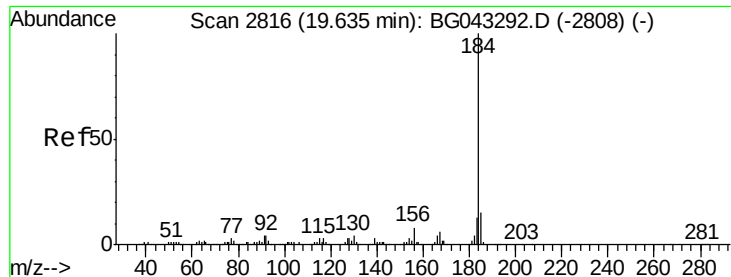
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043590.D
Acq: 11 Nov 2019 19:20

Tgt Ion:240 Resp: 205540
Ion Ratio Lower Upper
240 100
120 5.1 4.6 6.8
236 24.8 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: 3.644 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

Instrument :

BNA_G

ClientSampleId :

PB124701BL

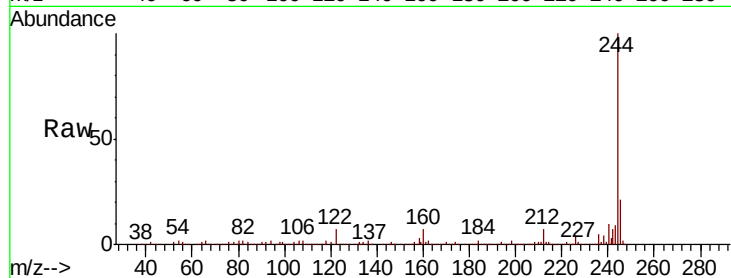
Tot Ion:184 Resp: 15075

Ion Ratio Lower Upper

184 100

185 19.4 11.0 16.4#

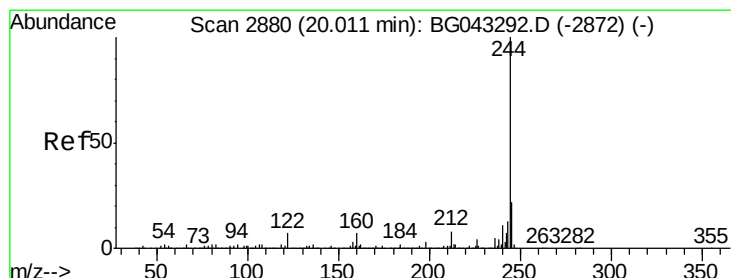
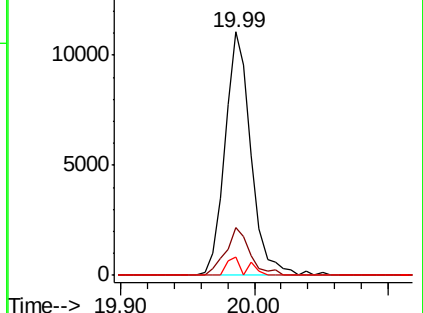
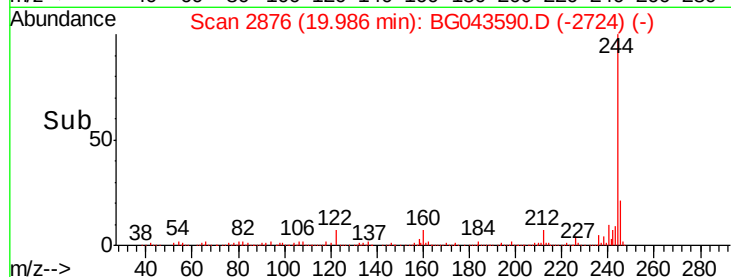
183 7.7 10.0 15.0#



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: 94.605 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043590.D

Acq: 11 Nov 2019 19:20

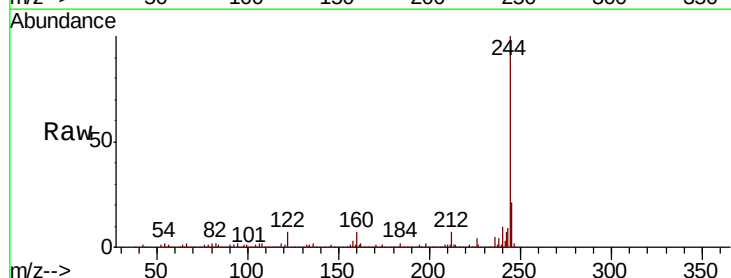
Tgt Ion:244 Resp: 1036485

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

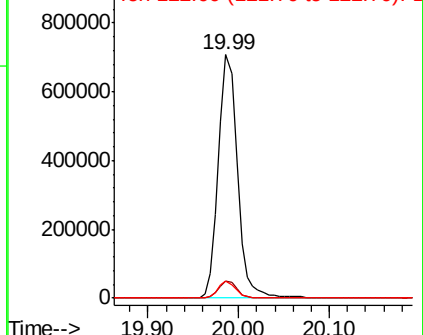
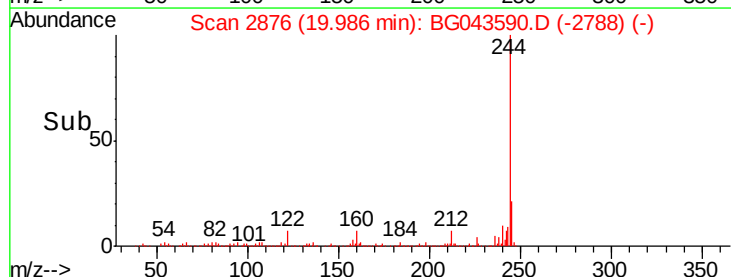
122 6.9 5.4 8.2

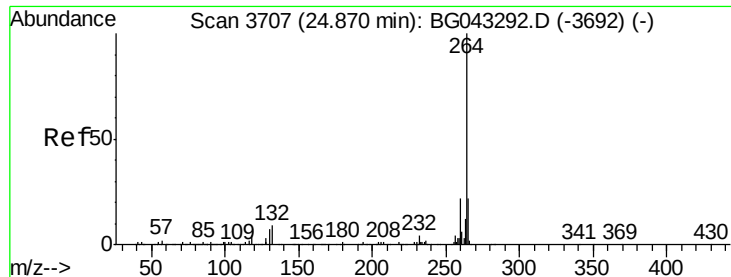


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.03 min
 Lab File: BG043590.D
 Acq: 11 Nov 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :
 PB124701BL

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.1	17.5	26.3	
265	23.7	17.4	26.0	

