

Data File : BG043972.D
Acq On : 8 Jan 2020 18:04
Operator : JU
Sample : PB125943BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB125943BL

Quant Time: Jan 09 06:13:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	115093	20.00	ng	-0.01
21) Naphthalene-d8	10.76	136	451879	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	293852	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	654983	20.00	ng	0.00
76) Chrysene-d12	21.58	240	552035	20.00	ng	-0.01
87) Perylene-d12	24.70	264	616220	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	820416	130.88	ng	0.00
7) Phenol-d6	7.12	99	1125503	128.45	ng	0.00
23) Nitrobenzene-d5	9.11	82	648465	76.77	ng	-0.01
42) 2,4,6-Tribromophenol	16.07	330	423332	137.66	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1452781	89.57	ng	-0.01
79) Terphenyl-d14	19.94	244	2137062	96.70	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	87619	13.428	ng	# 78
32) Benzoic acid	9.64	122	59	6.273	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	38789	8.225	ng	# 27
57) 2,4-Dinitrotoluene	14.59	165	38789	6.045	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1650	4.834	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	31496	4.276	ng	# 1
77) Benzidine	19.94	184	40289	2.904	ng	# 92

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

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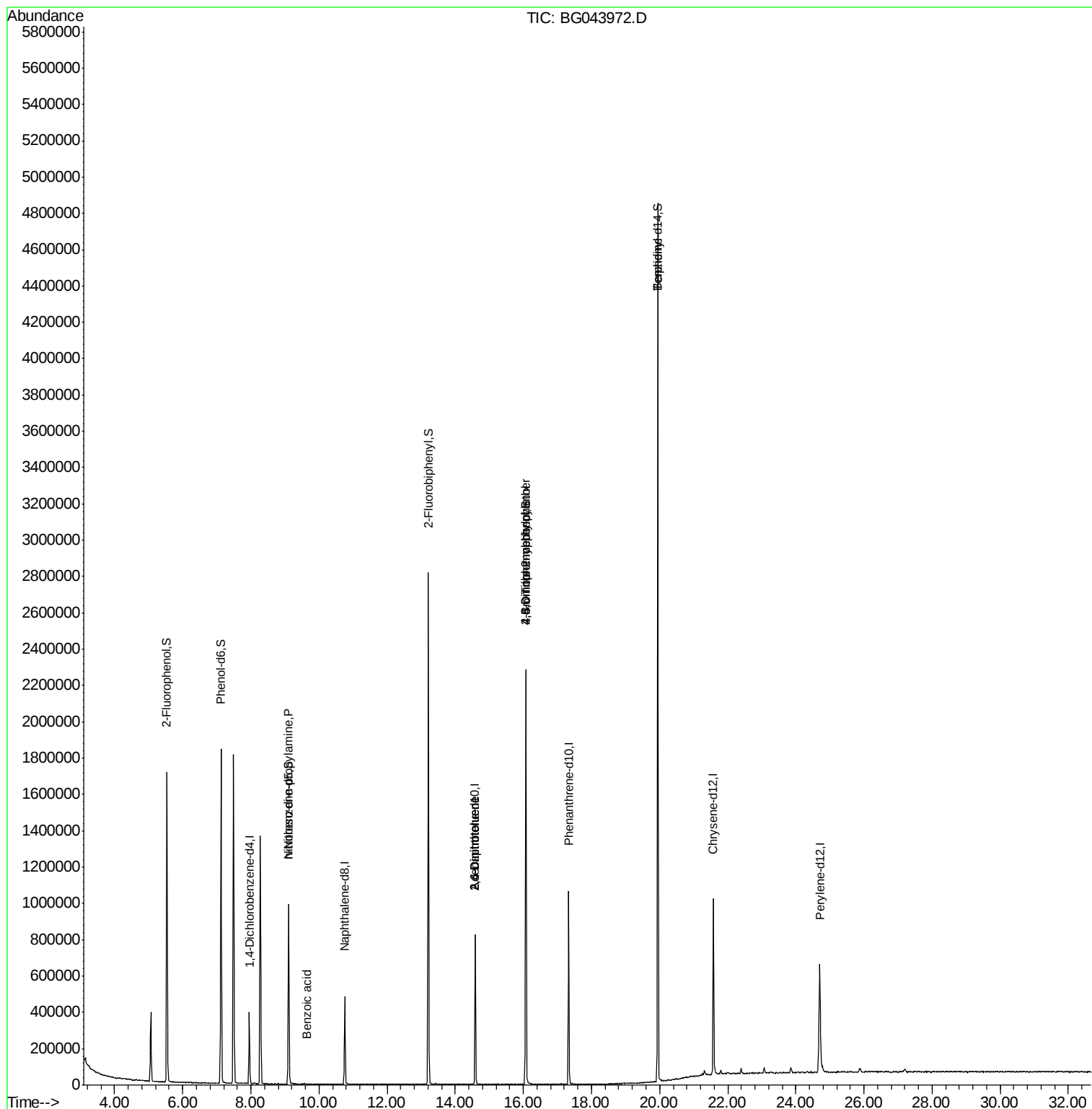
Quant Time: Jan 09 06:13:06 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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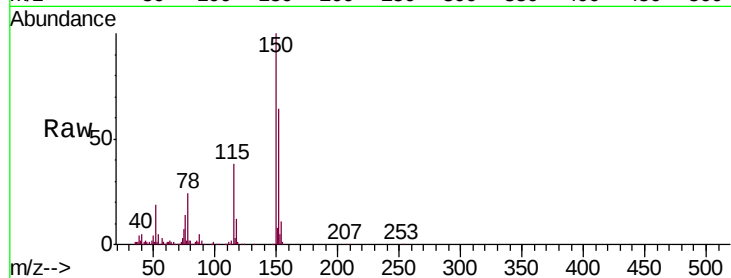


#1

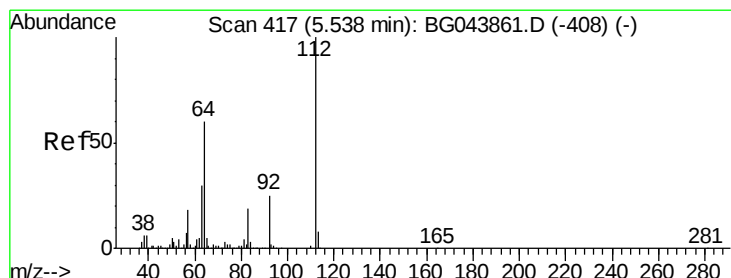
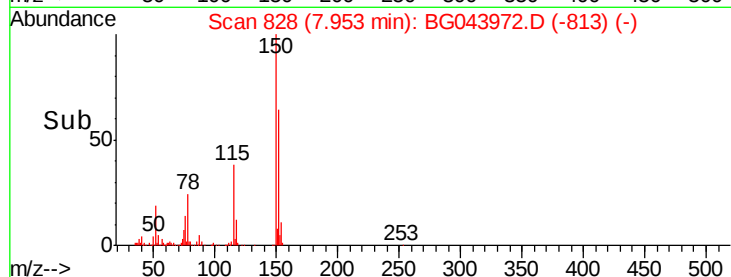
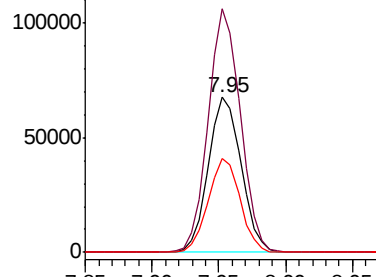
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Instrument :
BNA_G
ClientSampleId :
PB125943BL

Tgt Ion:152 Resp: 115093
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.4
115 60.2 47.8 71.8



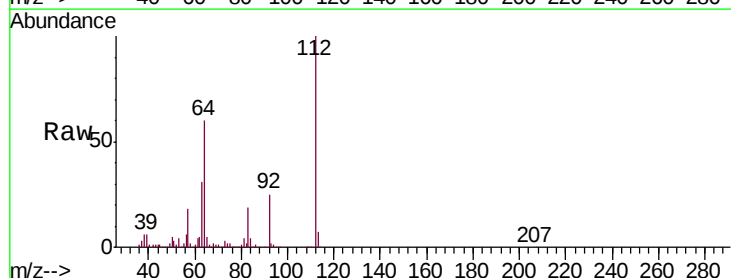
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



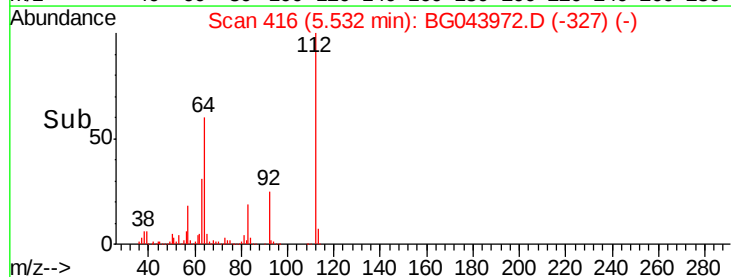
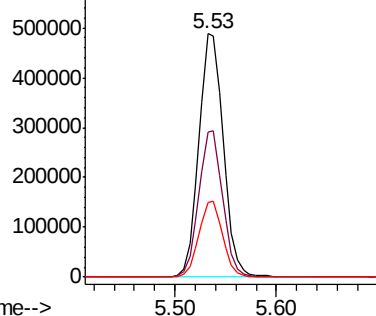
#5

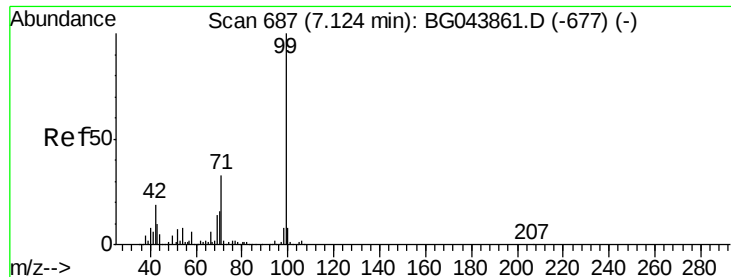
2-Fluorophenol
Concen: 130.884 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Tgt Ion:112 Resp: 820416
Ion Ratio Lower Upper
112 100
64 59.7 47.8 71.6
63 30.8 24.3 36.5



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: 128.454 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Instrument :

BNA_G

ClientSampleId :

PB125943BL

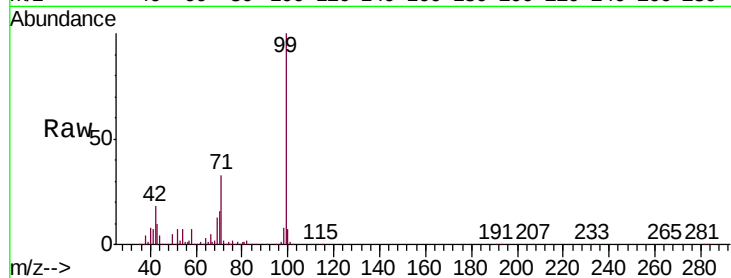
Tgt Ion: 99 Resp: 1125503

Ion Ratio Lower Upper

99 100

42 18.4 14.9 22.3

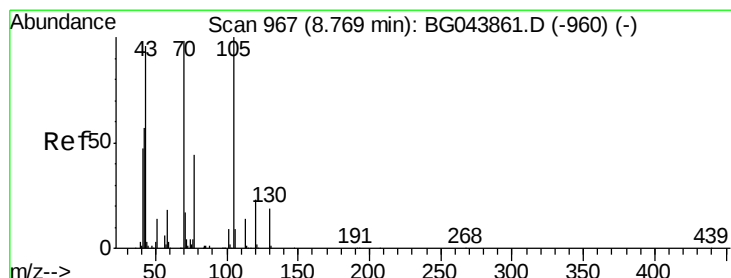
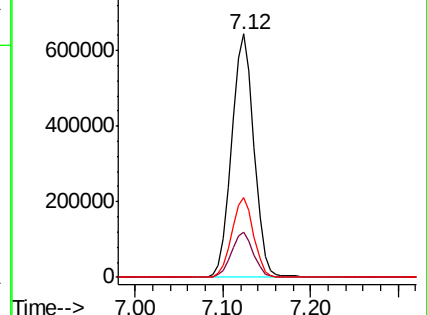
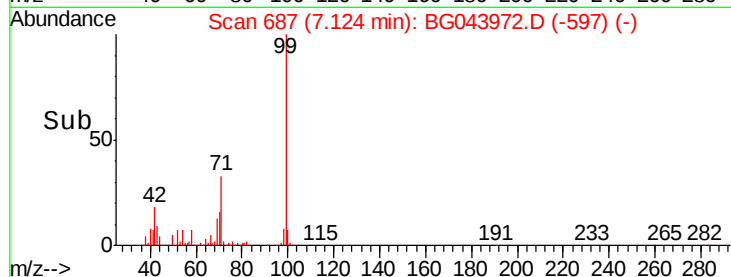
71 32.9 26.4 39.6



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: 13.428 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.34 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Tgt Ion: 70 Resp: 87619

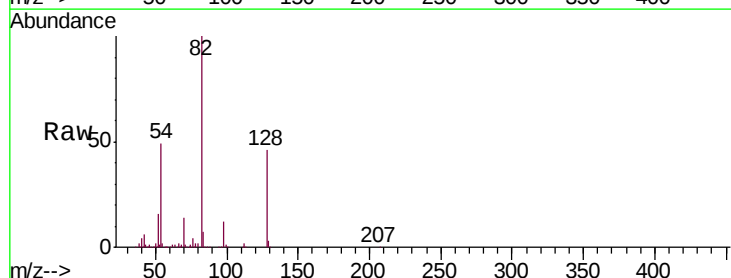
Ion Ratio Lower Upper

70 100

42 46.2 47.0 70.4#

101 0.0 7.2 10.8#

130 2.0 15.6 23.4#

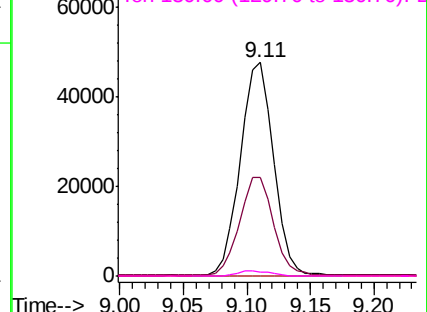
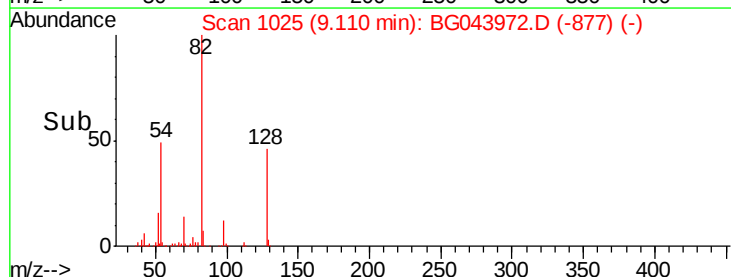


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

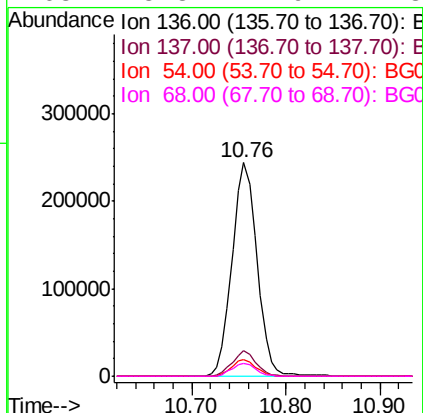
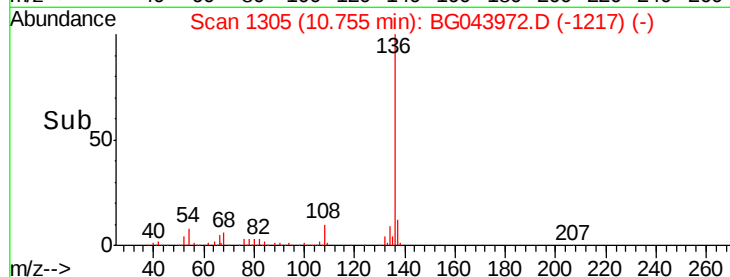
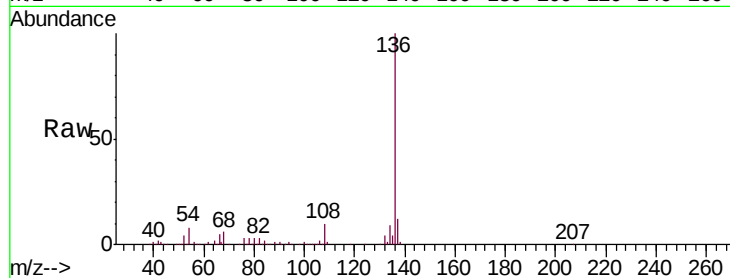




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

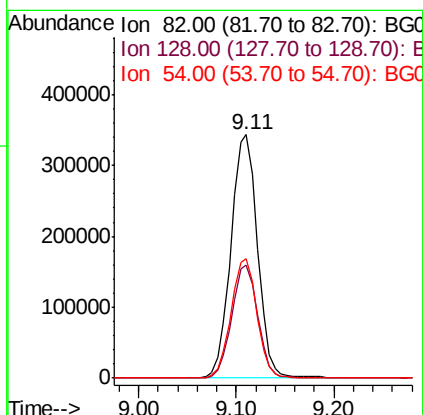
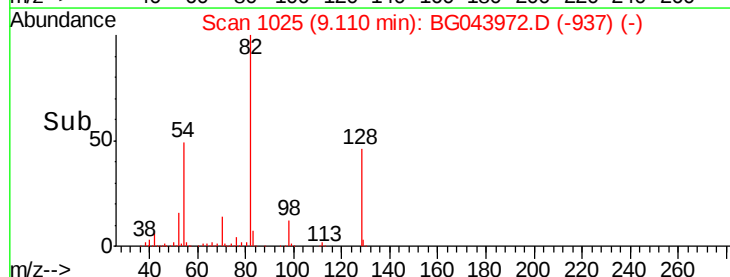
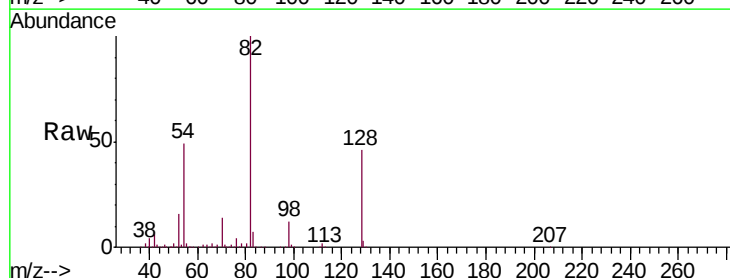
Instrument :
BNA_G
ClientSampleId :
PB125943BL

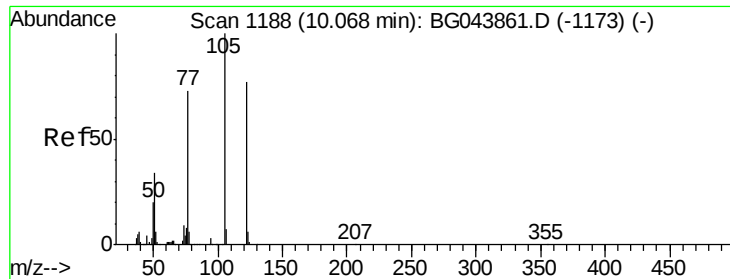
Tgt Ion:	136	Resp:	451879
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	7.6	7.0	10.4
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 76.769 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Tgt Ion:	82	Resp:	648465
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.1	52.7
54	49.1	40.1	60.1

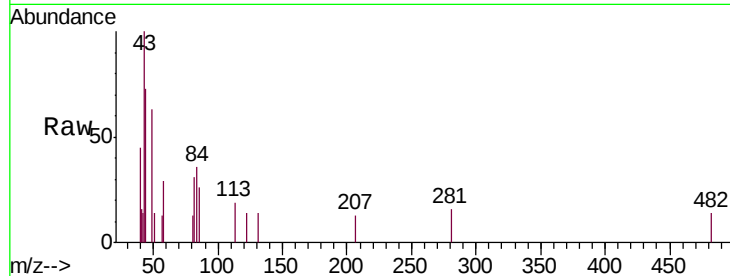




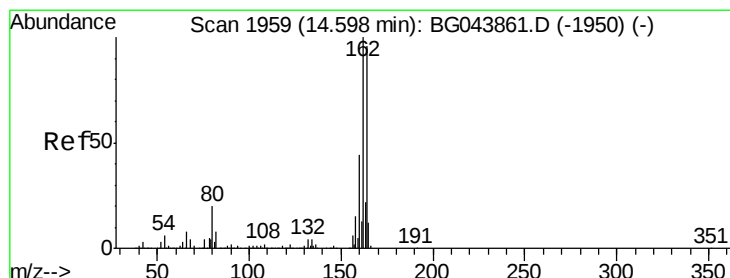
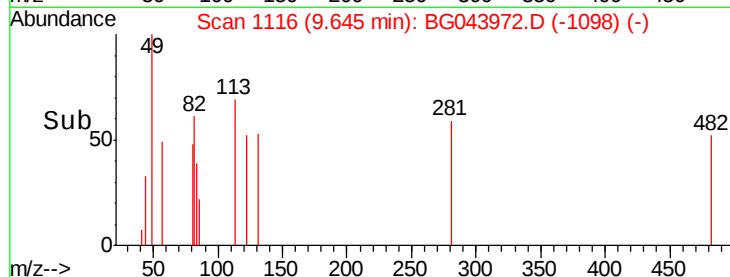
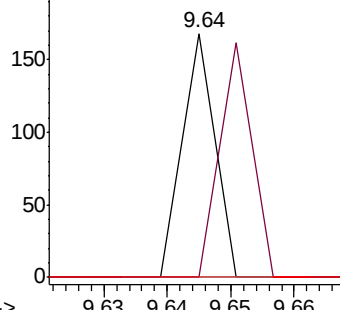
#32
Benzoic acid
Concen: 6.273 ng
RT: 9.64 min Scan# 1116
Delta R.T. -0.42 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Instrument :
BNA_G
ClientSampleId :
PB125943BL

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#

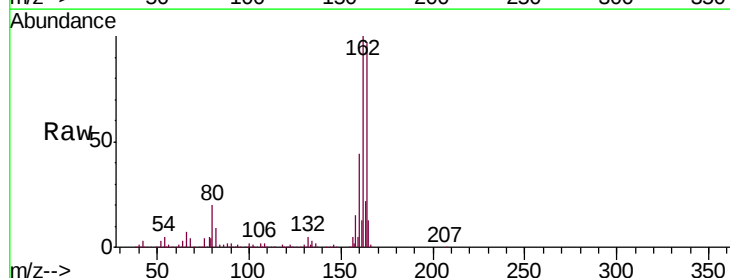


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

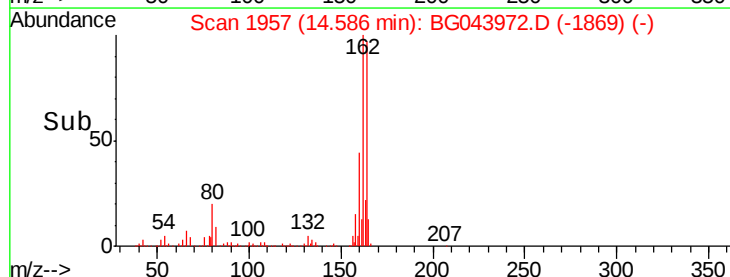
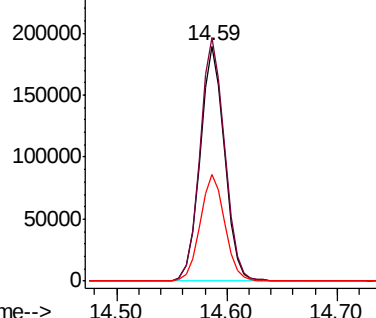


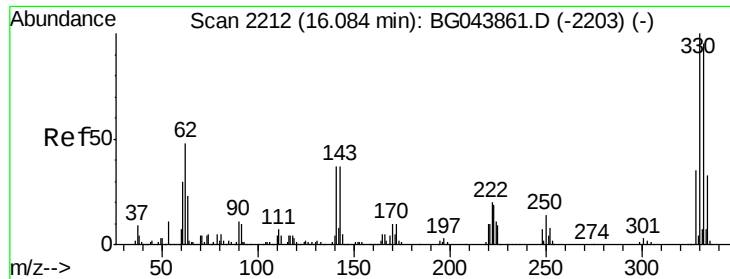
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	45.5	36.1	54.1



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

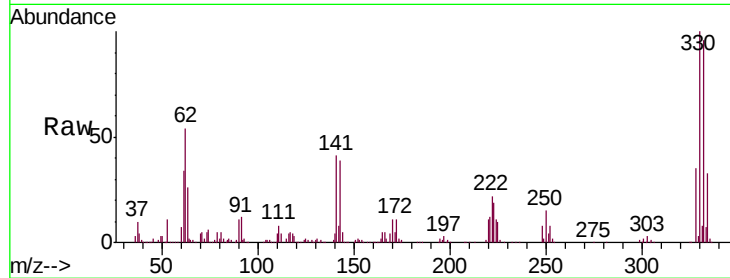




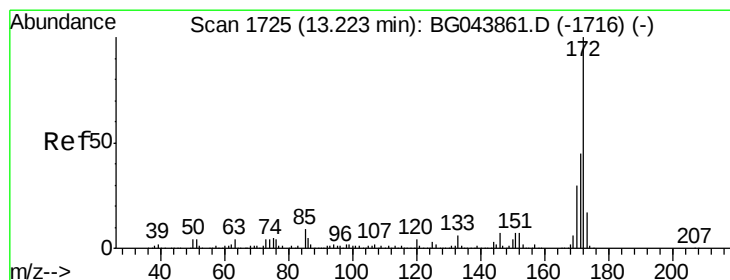
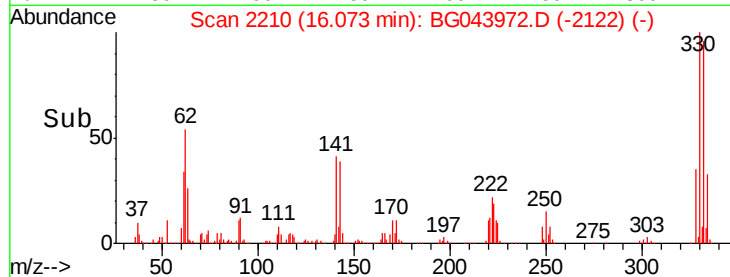
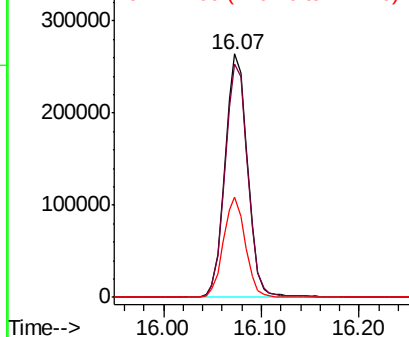
#42
 2,4,6-Tribromophenol
 Concen: 137.664 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.01 min
 Lab File: BG043972.D
 Acq: 8 Jan 2020 18:04

Instrument :
 BNA_G
 ClientSampleId :
 PB125943BL

Tgt Ion:330 Resp: 423332
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.2 115.8
 141 40.1 33.1 49.7

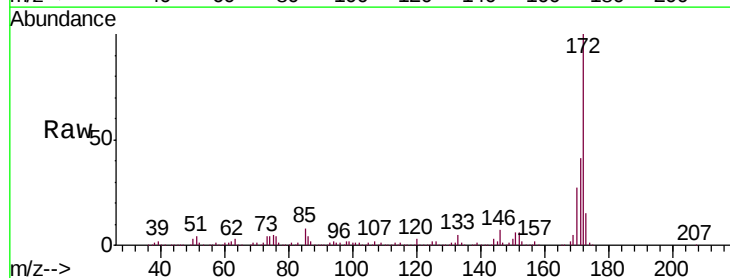


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

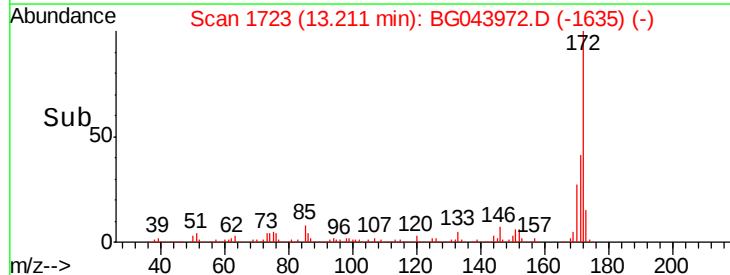
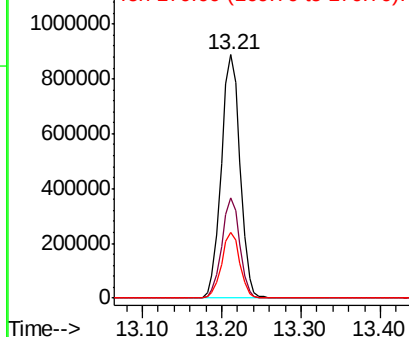


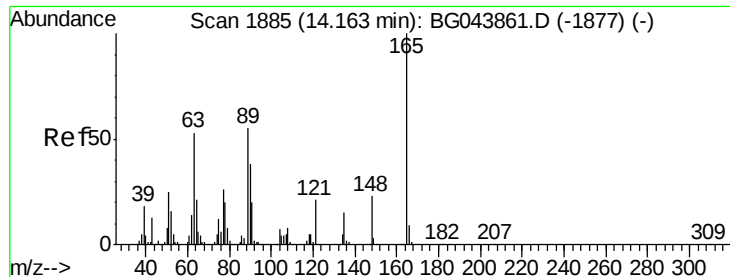
#45
 2-Fluorobiphenyl
 Concen: 89.572 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG043972.D
 Acq: 8 Jan 2020 18:04

Tgt Ion:172 Resp: 1452781
 Ion Ratio Lower Upper
 172 100
 171 41.2 35.8 53.8
 170 27.1 24.2 36.4



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: 8.225 ng

RT: 14.59 min Scan# 1957

Delta R.T. 0.42 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Instrument :

BNA_G

ClientSampleId :

PB125943BL

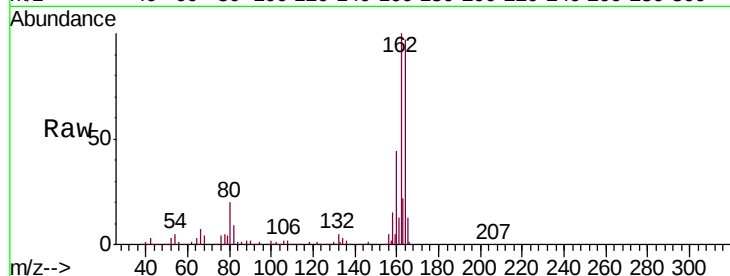
Tgt Ion:165 Resp: 38789

Ion Ratio Lower Upper

165 100

63 1.6 43.1 64.7#

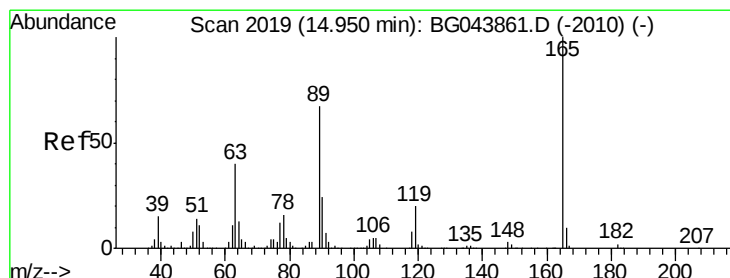
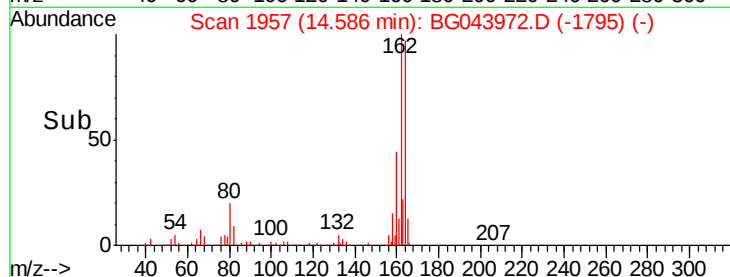
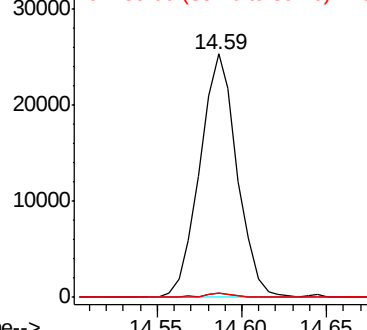
89 1.7 43.8 65.6#



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: 6.045 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.36 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Tgt Ion:165 Resp: 38789

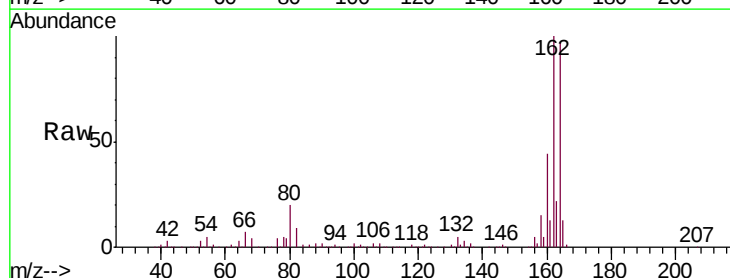
Ion Ratio Lower Upper

165 100

63 1.6 31.9 47.9#

89 1.7 53.8 80.6#

182 0.0 2.0 3.0#

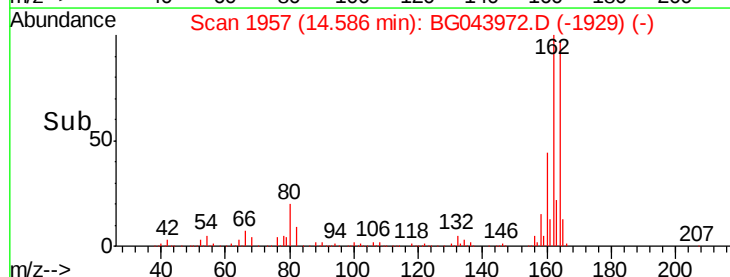
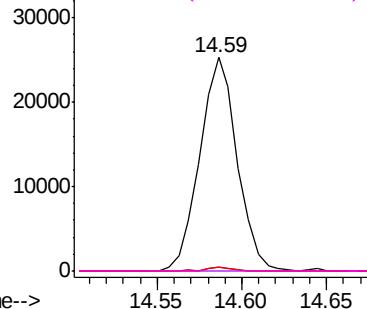


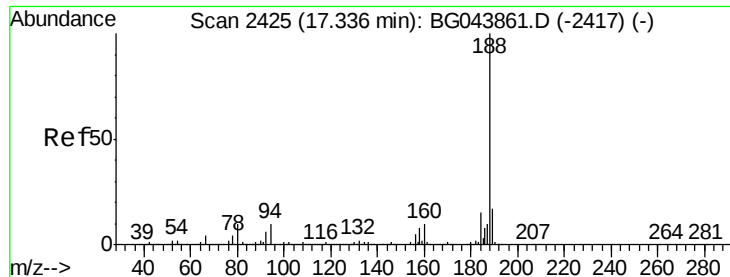
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.33 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Instrument :

BNA_G

ClientSampleId :

PB125943BL

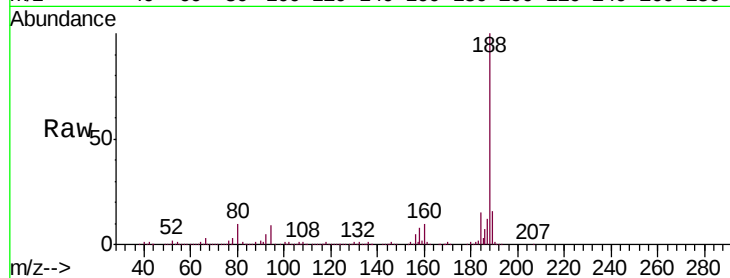
Tgt Ion:188 Resp: 654983

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

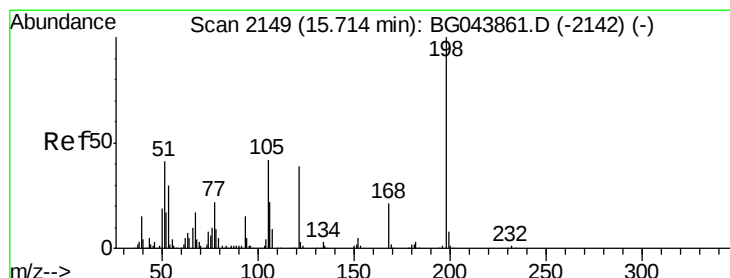
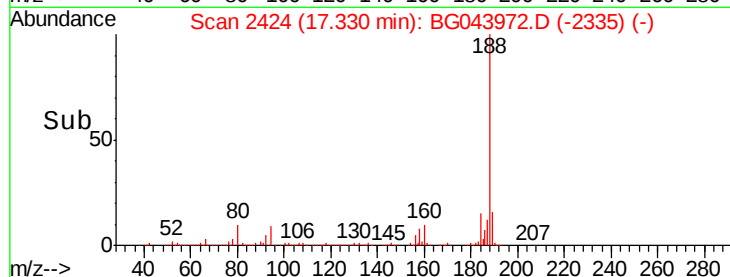
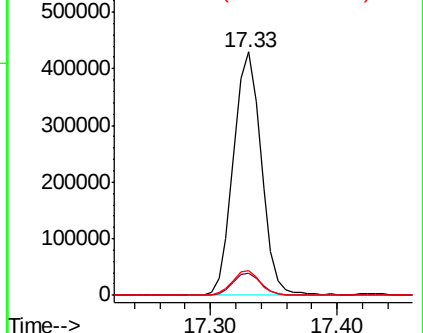
80 10.3 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.834 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

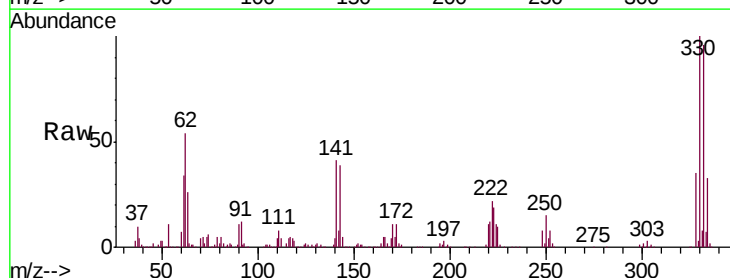
Tgt Ion:198 Resp: 1650

Ion Ratio Lower Upper

198 100

51 88.1 22.5 62.5#

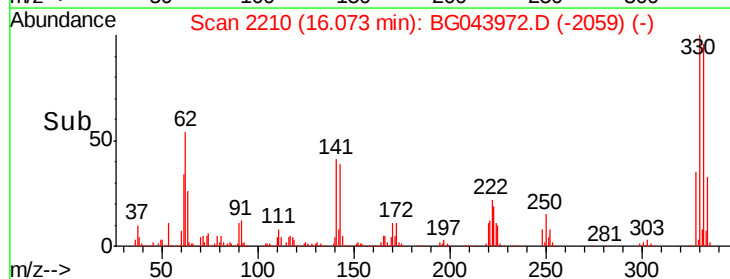
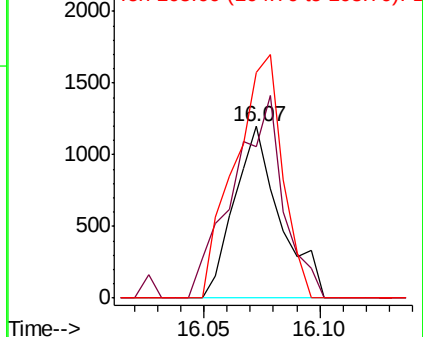
105 131.6 22.3 62.3#

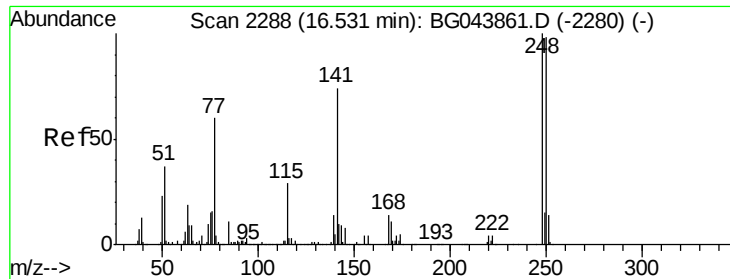


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

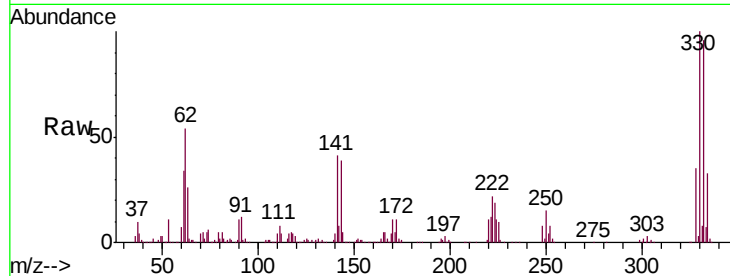




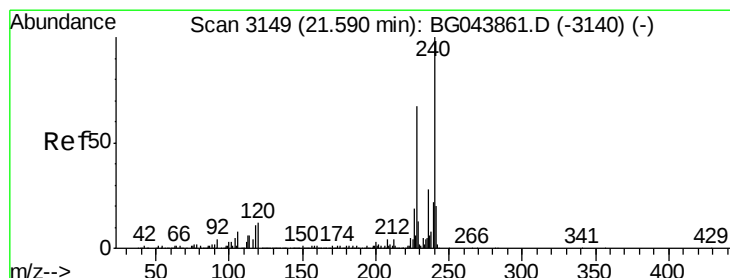
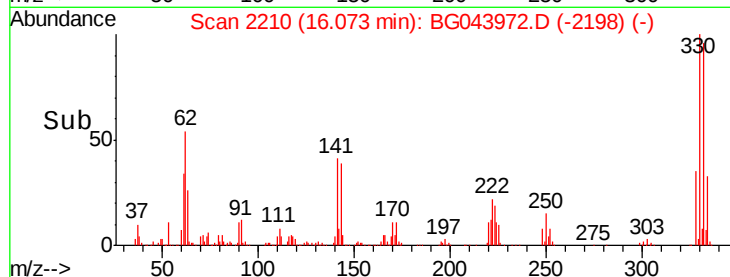
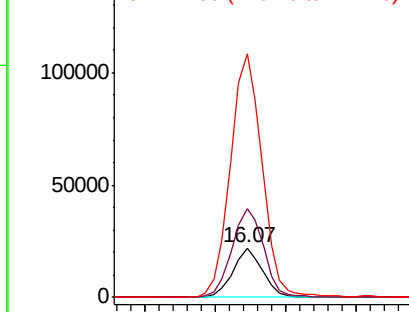
#67
4-Bromophenyl-phenylether
Concen: 4.276 ng
RT: 16.07 min Scan# 2210
Delta R.T. -0.46 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Instrument :
BNA_G
ClientSampleId :
PB125943BL

Tgt Ion:248 Resp: 31496
Ion Ratio Lower Upper
248 100
250 179.3 78.2 117.2#
141 495.1 59.3 88.9#

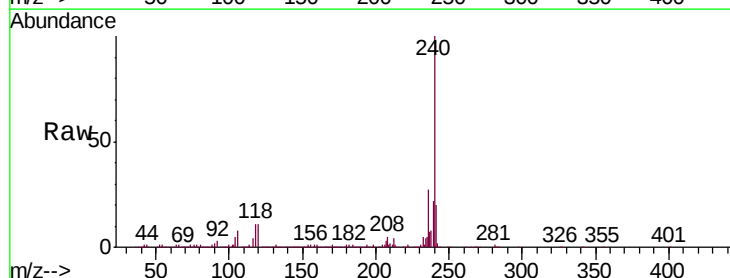


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

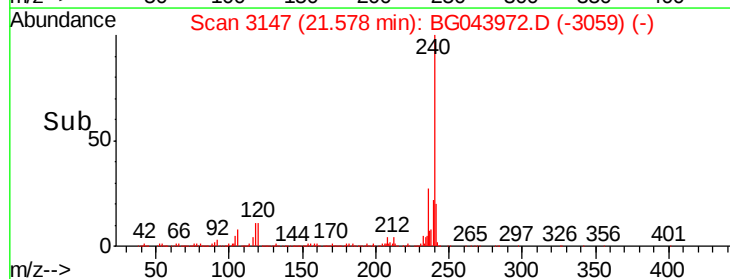
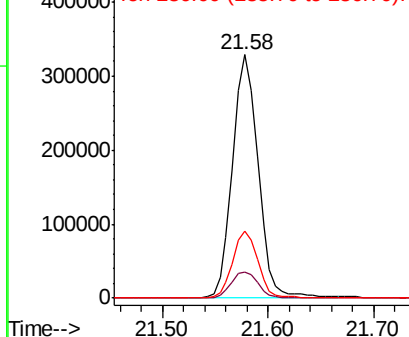


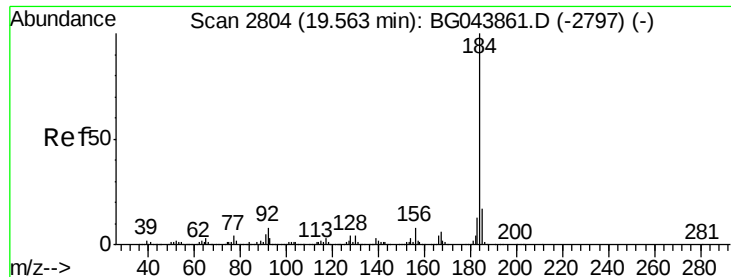
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Tgt Ion:240 Resp: 552035
Ion Ratio Lower Upper
240 100
120 10.9 9.6 14.4
236 27.5 22.2 33.2



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: 2.904 ng

RT: 19.94 min Scan# 2869

Delta R.T. 0.38 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

Instrument :

BNA_G

ClientSampleId :

PB125943BL

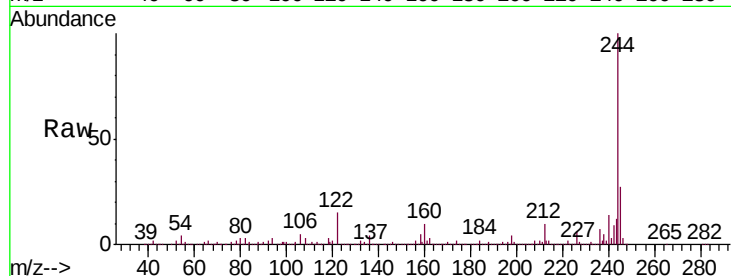
Tgt Ion:184 Resp: 40289

Ion Ratio Lower Upper

184 100

185 15.9 13.4 20.0

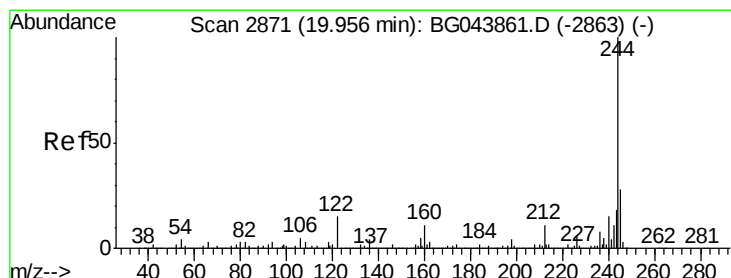
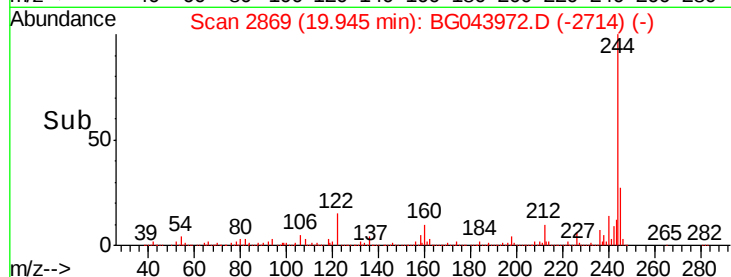
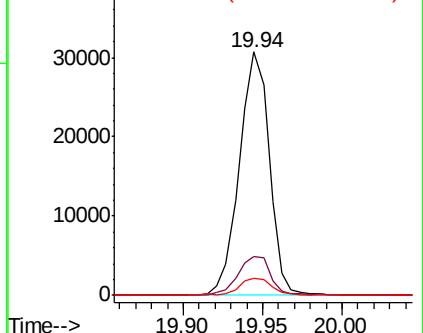
183 7.1 10.6 15.8#



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: 96.699 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG043972.D

Acq: 8 Jan 2020 18:04

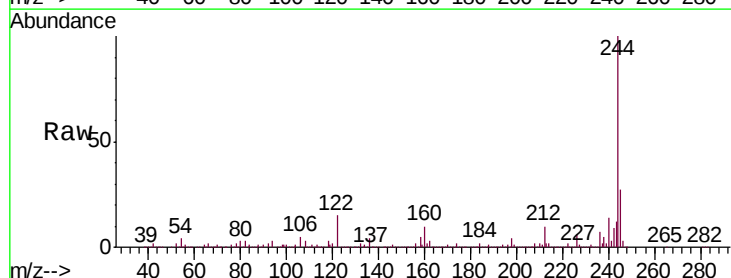
Tgt Ion:244 Resp: 2137062

Ion Ratio Lower Upper

244 100

212 10.4 8.6 13.0

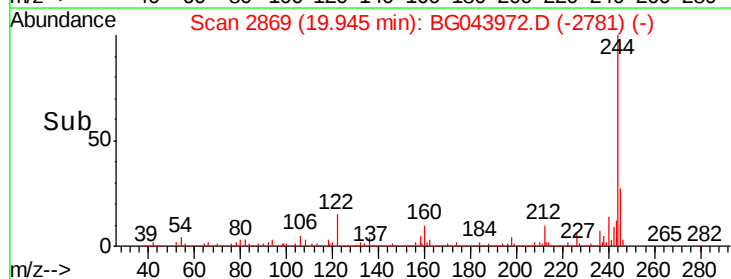
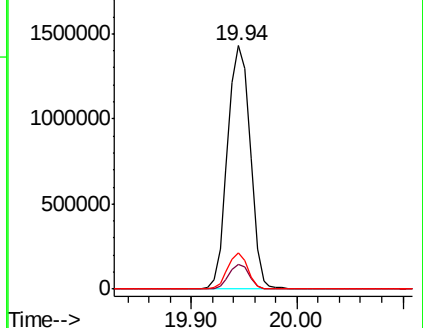
122 14.9 11.9 17.9

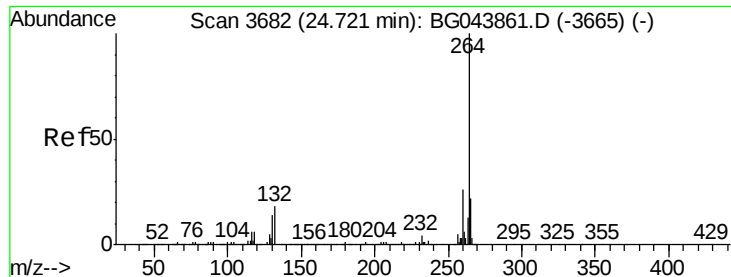


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.70 min Scan# 3679
Delta R.T. -0.02 min
Lab File: BG043972.D
Acq: 8 Jan 2020 18:04

Instrument :
BNA_G
ClientSampleId :
PB125943BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.4	30.6
265	21.1	17.4	26.2

