

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112619\
 Data File : BG043780.D
 Acq On : 26 Nov 2019 16:35
 Operator : JU
 Sample : PB125122BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 02:26:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

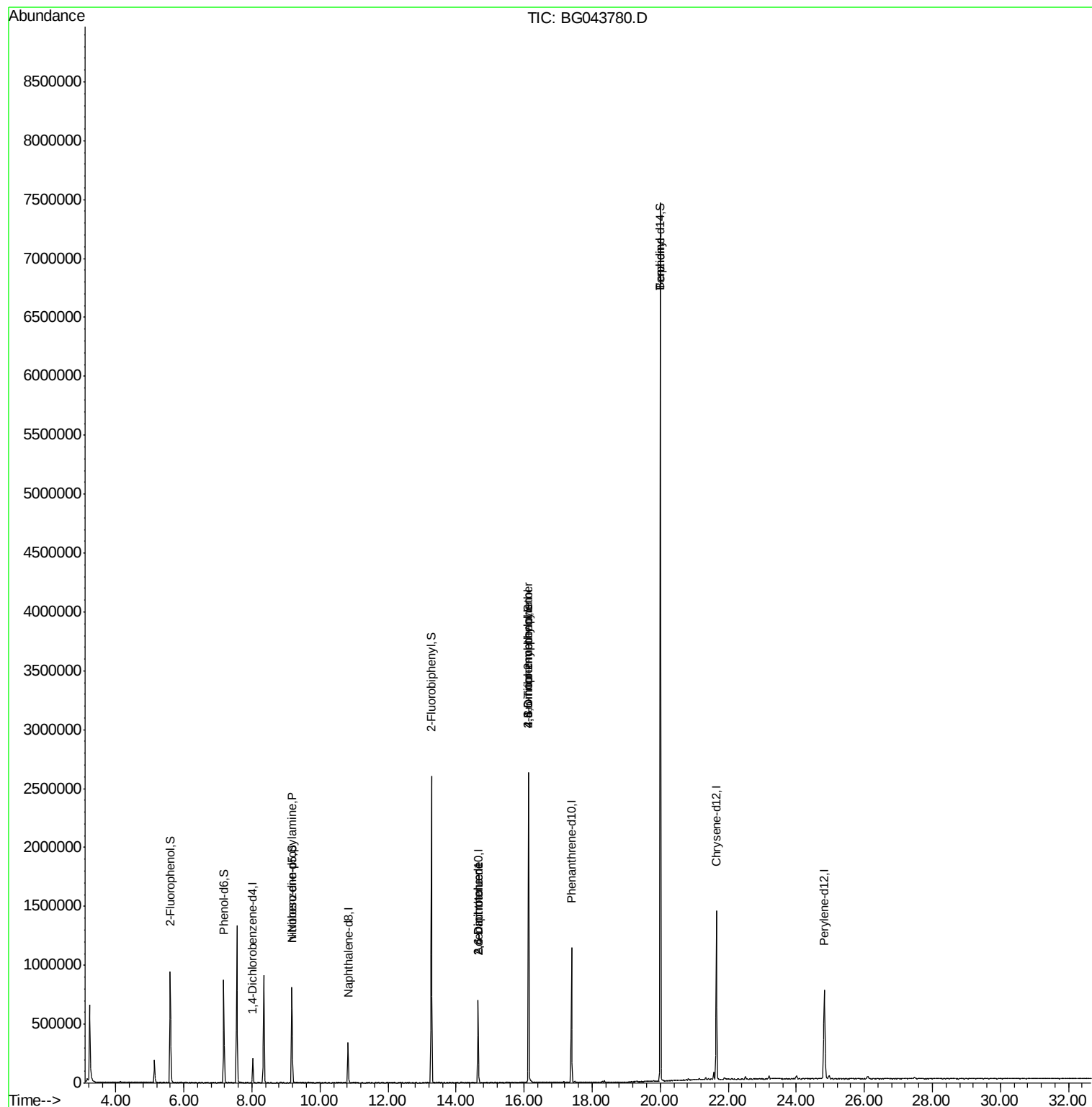
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	62644	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	309937	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	252729	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	741409	20.00	ng	0.00
76) Chrysene-d12	21.65	240	795306	20.00	ng	-0.01
87) Perylene-d12	24.82	264	770695	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	470709	135.09	ng	0.00
7) Phenol-d6	7.17	99	534544	105.53	ng	0.00
23) Nitrobenzene-d5	9.18	82	515469	91.44	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	464082	152.24	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1305742	84.93	ng	-0.01
79) Terphenyl-d14	20.01	244	3011781	85.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	69880	17.543	ng	# 69
51) 2,6-Dinitrotoluene	14.65	165	32183	8.656	ng	# 25
57) 2,4-Dinitrotoluene	14.65	165	32183	6.242	ng	# 23
60) Diethylphthalate	15.46	149	1473	Below Cal		# 86
65) 4,6-Dinitro-2-methylphenol	16.13	198	1967	4.913	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	36297	4.642	ng	# 1
73) Carbazole	17.78	167	105	Below Cal		# 56
77) Benzydine	20.01	184	69676	2.999	ng	# 92

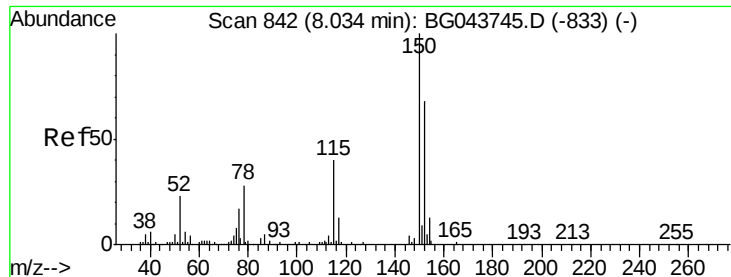
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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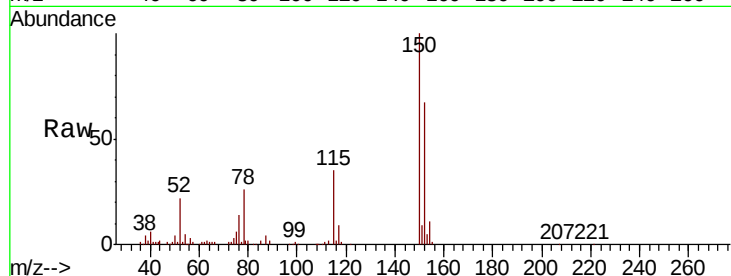


#1

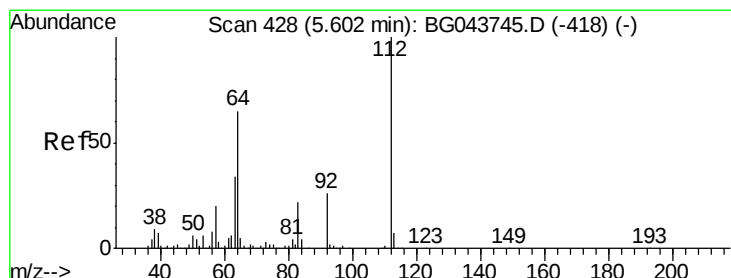
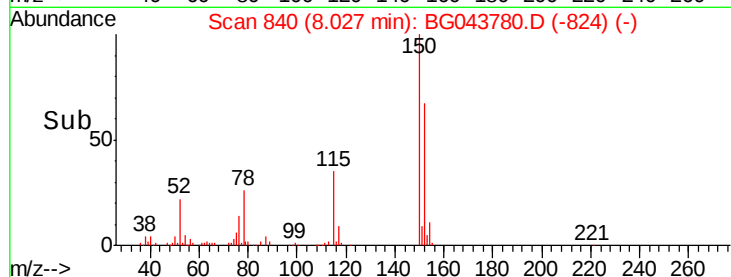
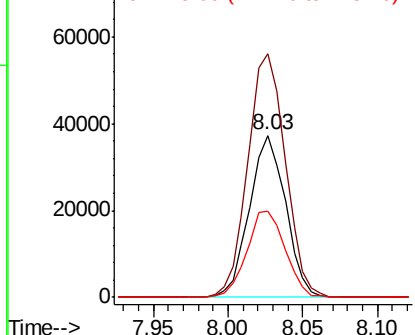
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG043780.D
Acq: 26 Nov 2019 16:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	117.8	176.8
115	53.3	47.0	70.4



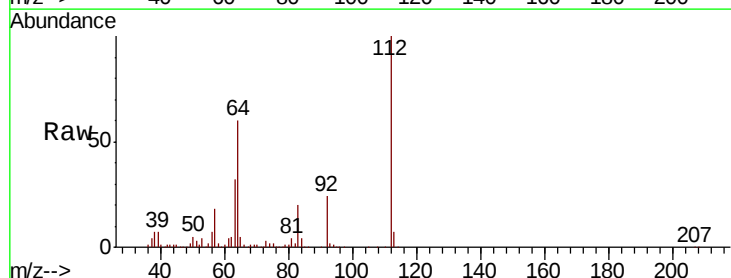
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



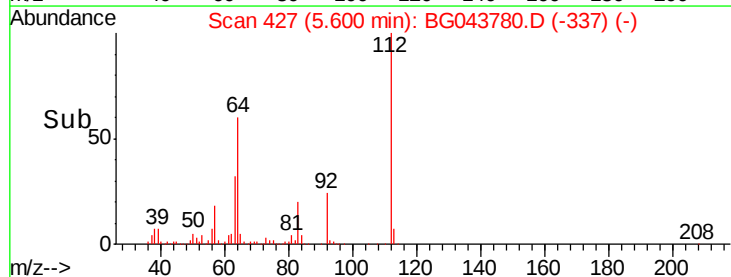
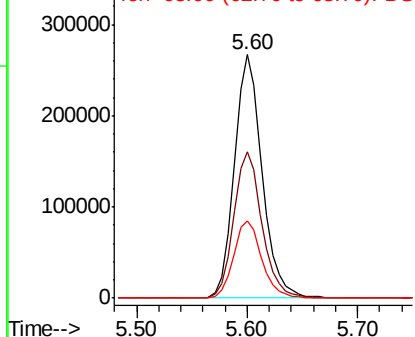
#5

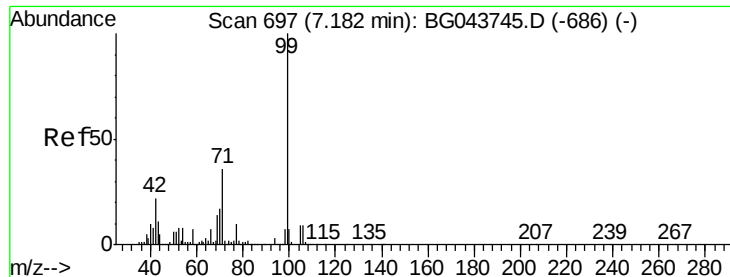
2-Fluorophenol
Concen: 135.086 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG043780.D
Acq: 26 Nov 2019 16:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	51.7	77.5
63	31.7	26.8	40.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 105.530 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

Instrument :

BNA_G

ClientSampleId :

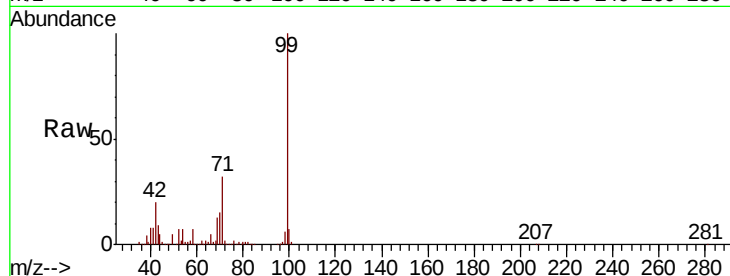
Tot Ion: 99 Resp: 534544

Ion Ratio Lower Upper

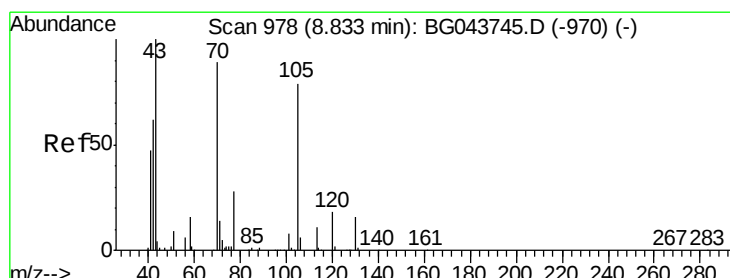
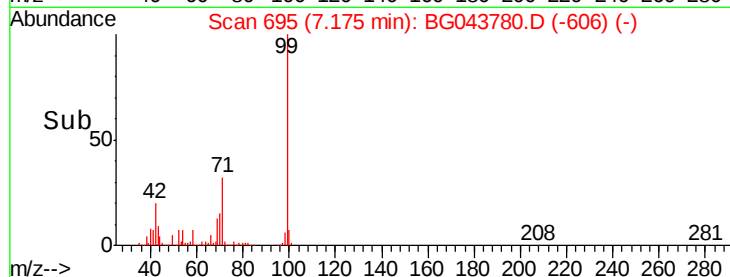
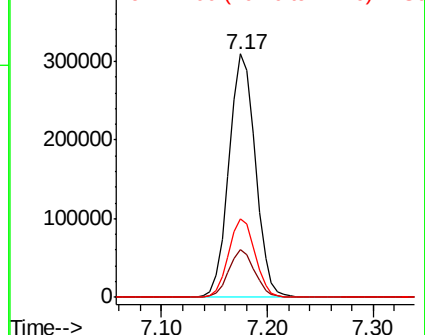
99 100

42 19.6 17.4 26.0

71 32.3 29.5 44.3



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: 17.543 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

Tgt Ion: 70 Resp: 69880

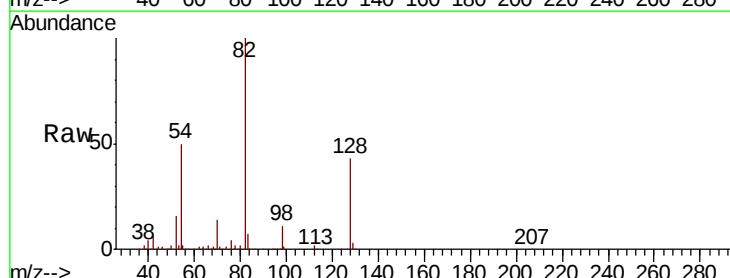
Ion Ratio Lower Upper

70 100

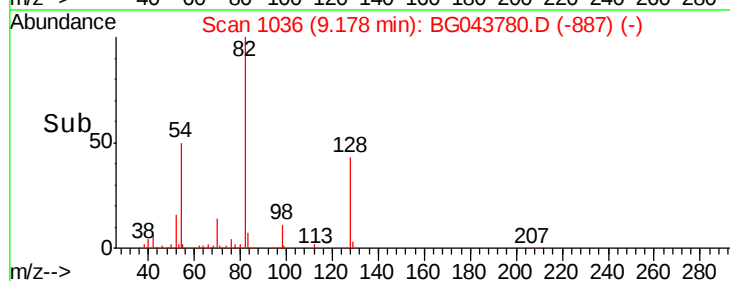
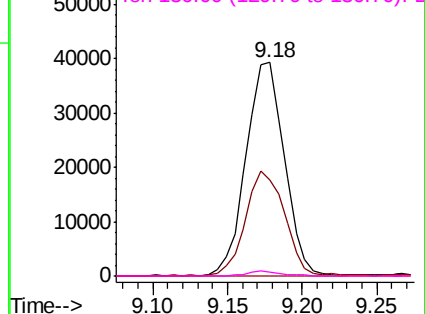
42 45.2 56.4 84.6#

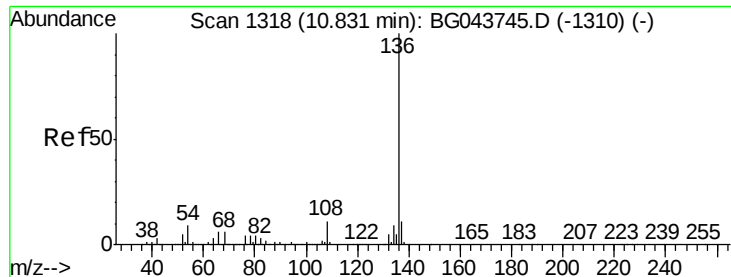
101 0.0 6.7 10.1#

130 1.9 14.7 22.1#



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: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 309937

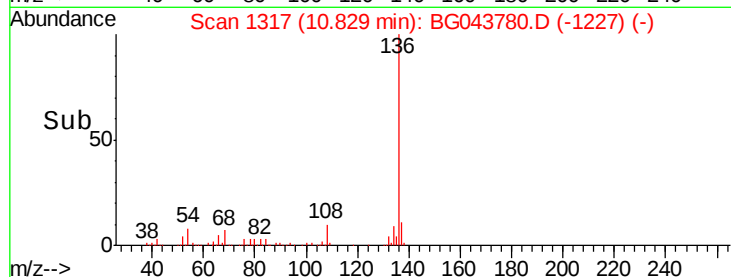
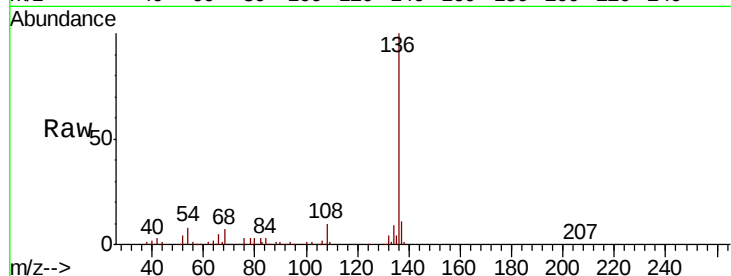
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	7.5	11.3
68	6.7	4.9	7.3

136 100

137 11.4 8.8 13.2

54 8.4 7.5 11.3

68 6.7 4.9 7.3

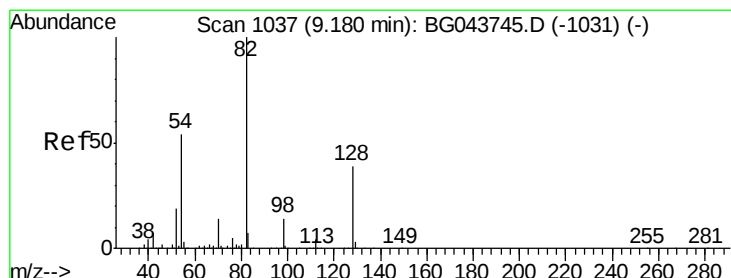
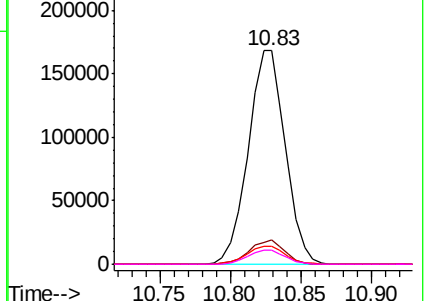


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.444 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

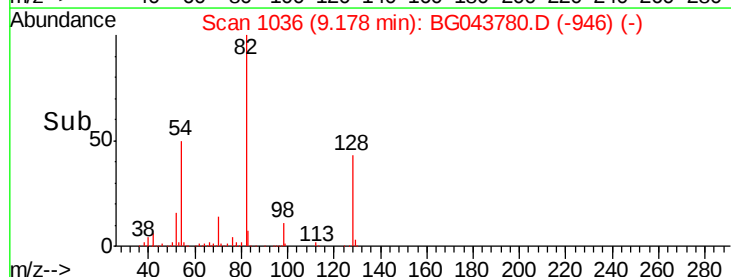
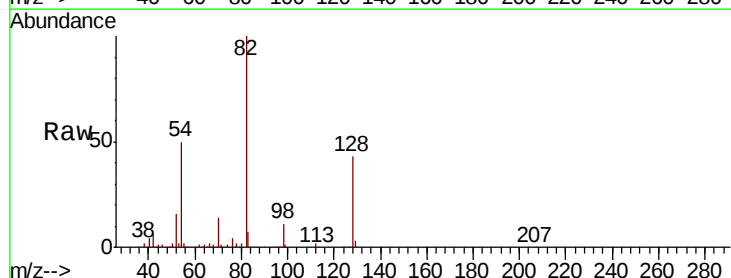
Tgt Ion: 82 Resp: 515469

Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	49.9	42.7	64.1

82 100

128 42.6 31.3 46.9

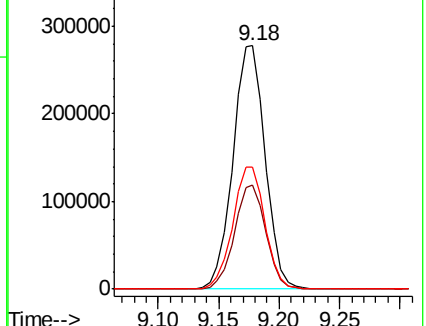
54 49.9 42.7 64.1

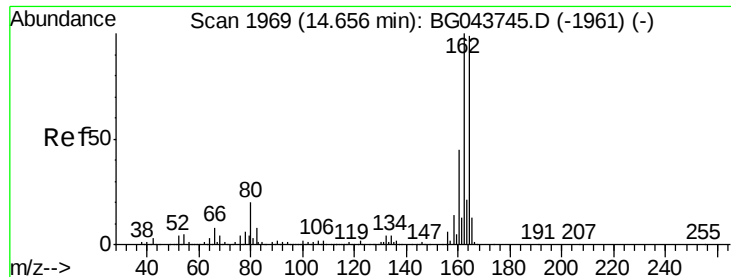


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

Instrument :

BNA_G

ClientSampleId :

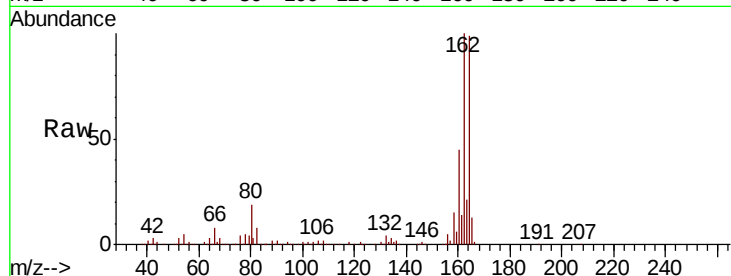
Tot Ion:164 Resp: 252729

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

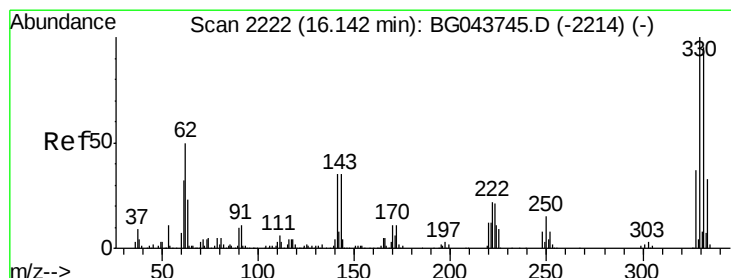
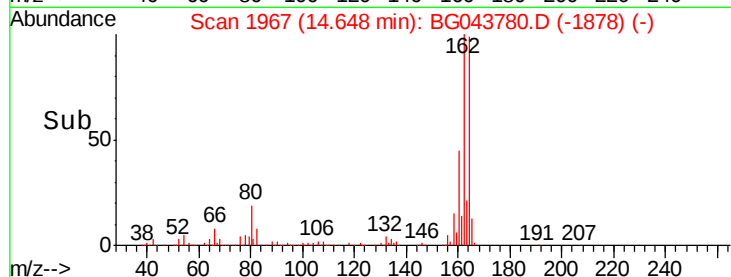
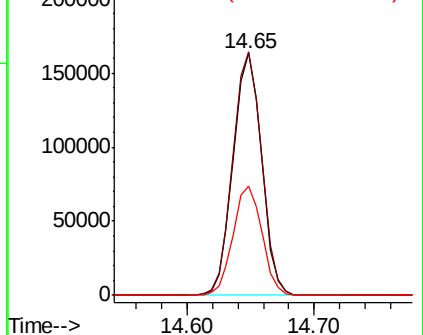
160 45.2 36.3 54.5



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: 152.243 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

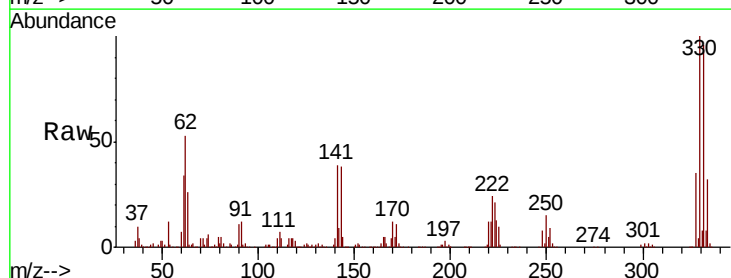
Tgt Ion:330 Resp: 464082

Ion Ratio Lower Upper

330 100

332 95.0 77.3 115.9

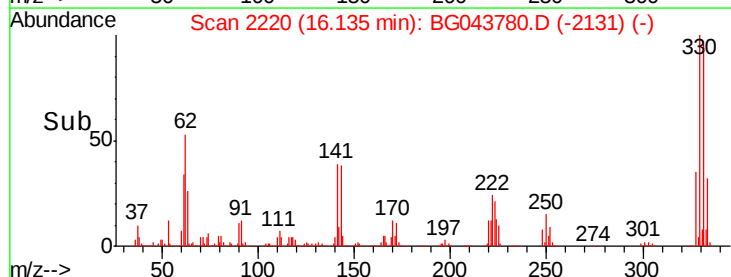
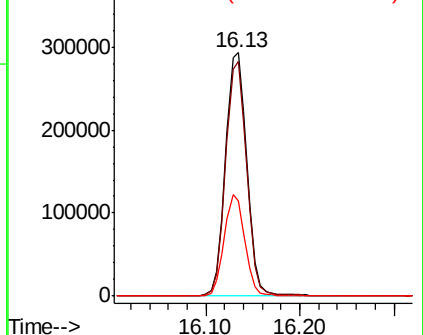
141 40.8 31.4 47.2

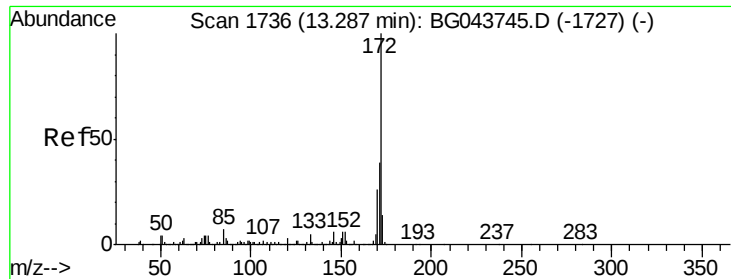


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

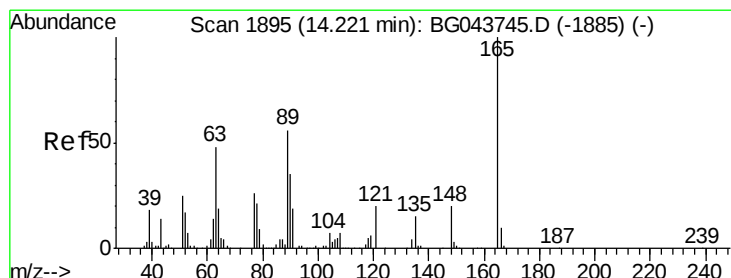
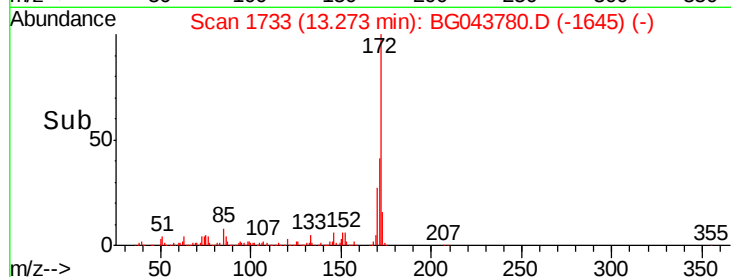
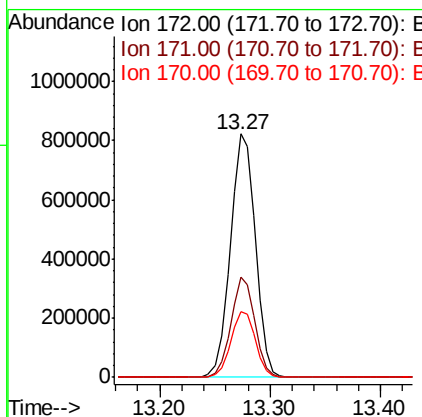
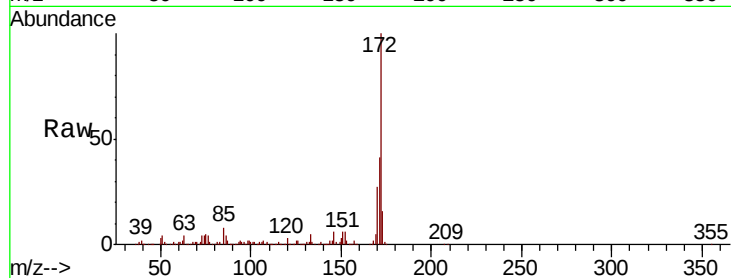




#45
 2-Fluorobiphenyl
 Concen: 84.927 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

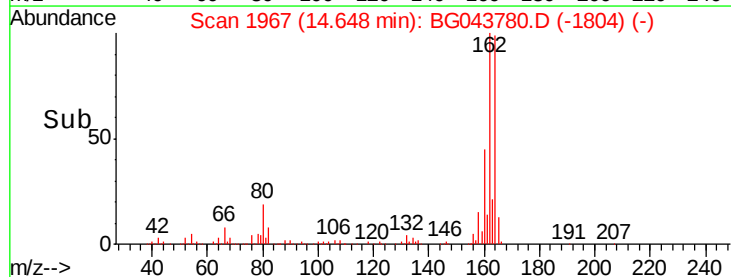
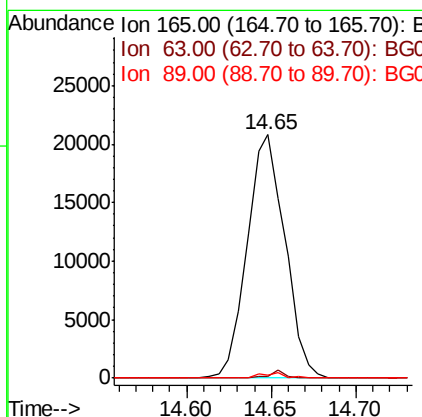
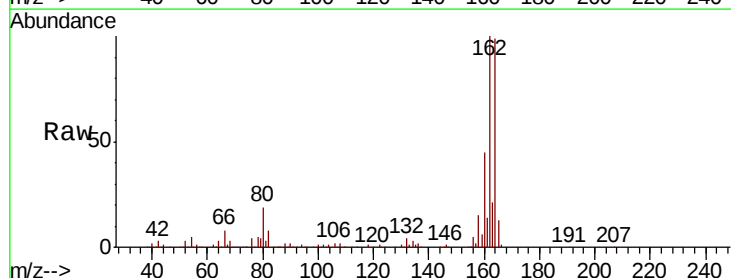
Instrument :
 BNA_G
 ClientSampleId :

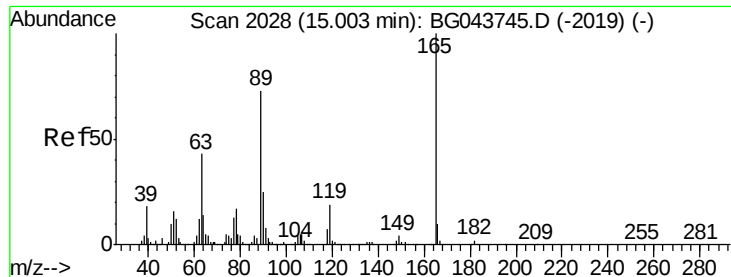
Tot Ion:172 Resp: 1305742
 Ion Ratio Lower Upper
 172 100
 171 41.0 31.0 46.6
 170 26.9 21.0 31.4



#51
 2,6-Dinitrotoluene
 Concen: 8.656 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.43 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

Tgt Ion:165 Resp: 32183
 Ion Ratio Lower Upper
 165 100
 63 0.8 43.4 65.2#
 89 1.2 44.6 67.0#

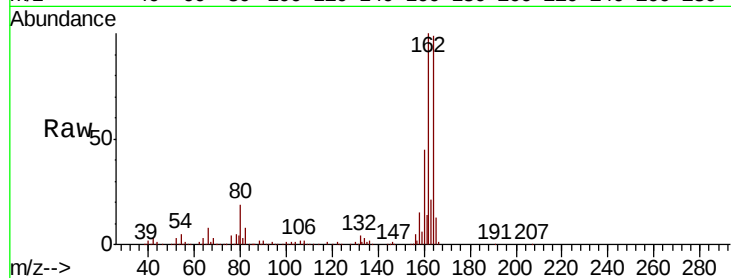




#57
 2,4-Dinitrotoluene
 Concen: 6.242 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.35 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	34.6	51.8#
89	1.2	58.3	87.5#
182	0.0	1.9	2.9#



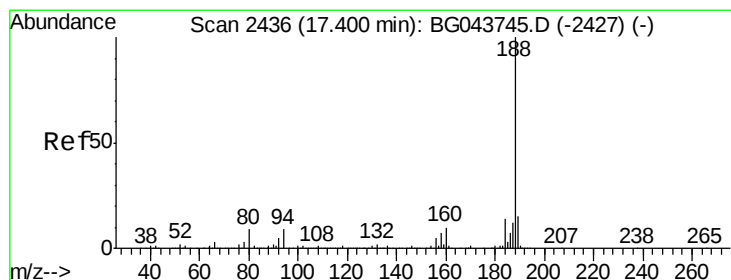
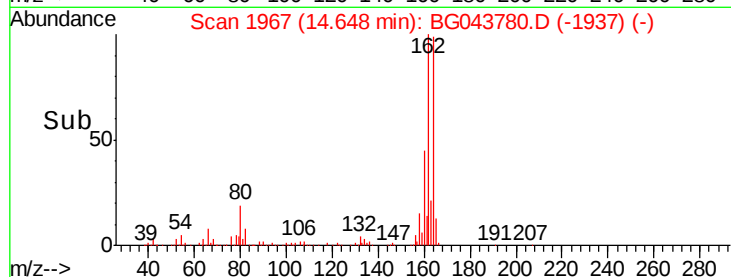
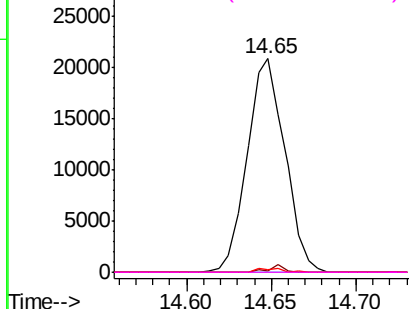
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

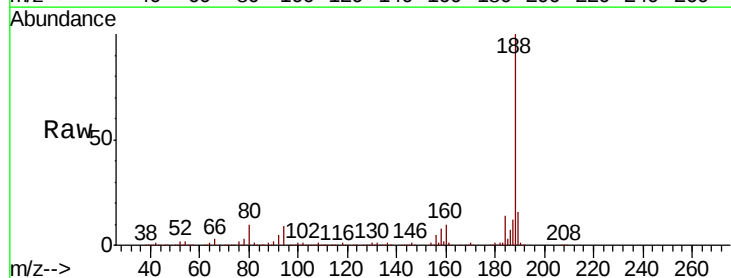
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.7	7.5	11.3

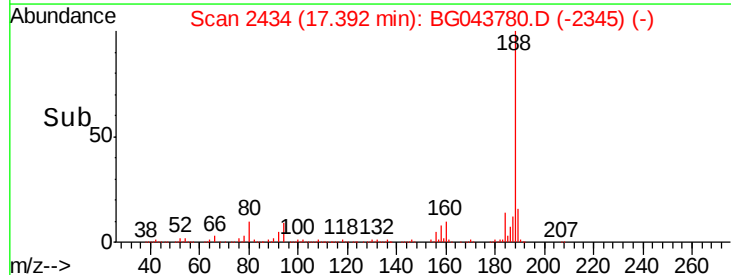
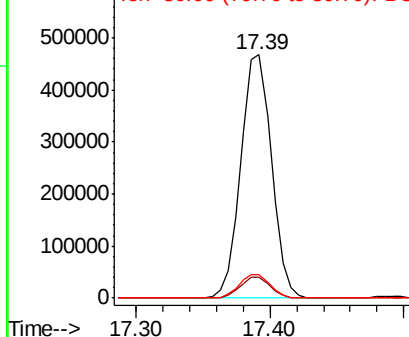


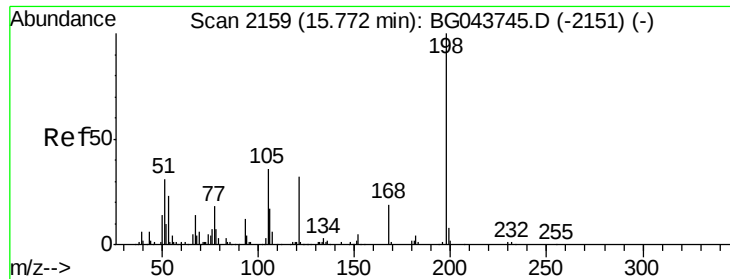
Abundance

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

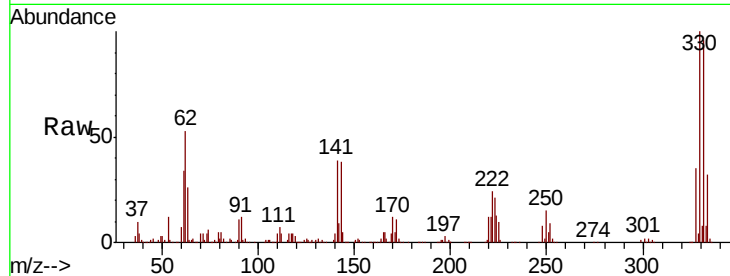




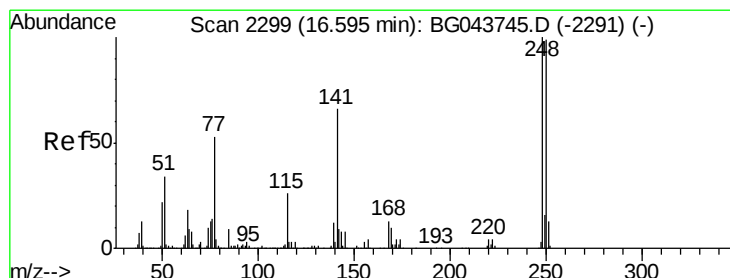
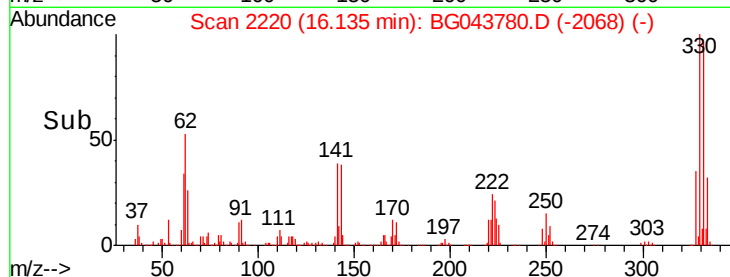
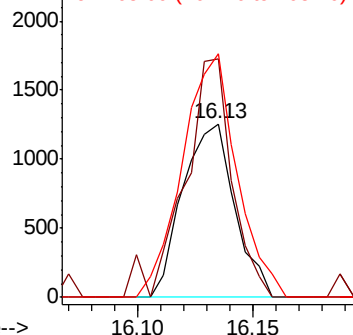
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.913 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.36 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1967
 Ion Ratio Lower Upper
 198 100
 51 137.6 16.8 56.8#
 105 140.6 17.3 57.3#

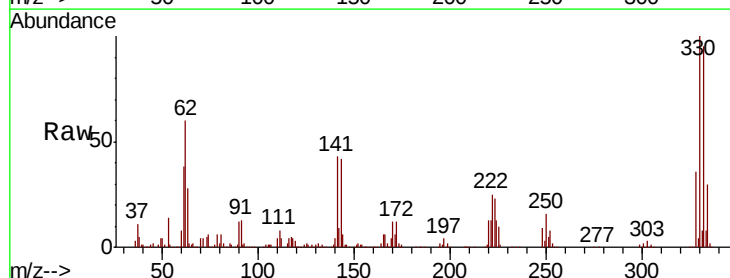


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

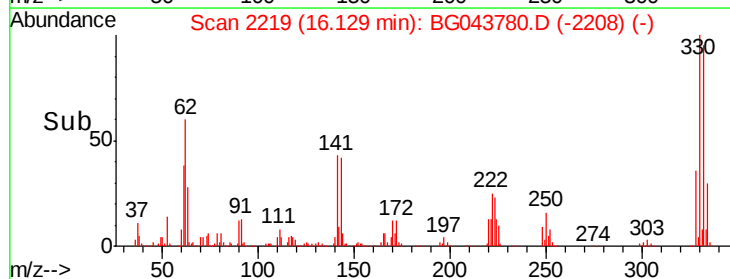
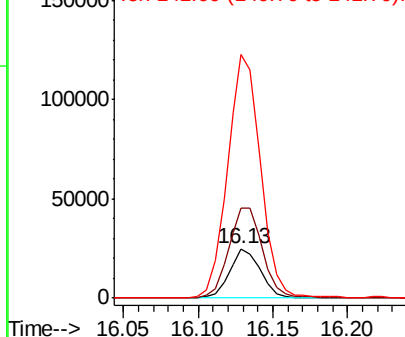


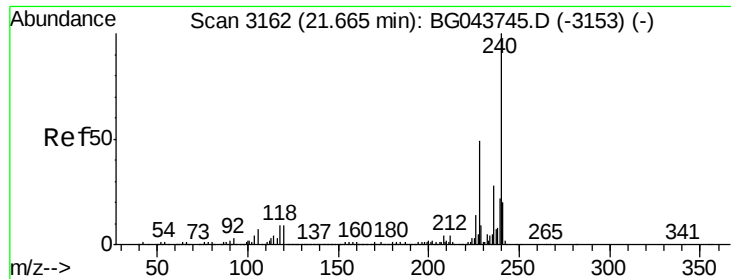
#67
 4-Bromophenyl-phenylether
 Concen: 4.642 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.47 min
 Lab File: BG043780.D
 Acq: 26 Nov 2019 16:35

Tgt Ion:248 Resp: 36297
 Ion Ratio Lower Upper
 248 100
 250 182.8 79.3 118.9#
 141 493.7 53.0 79.6#



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

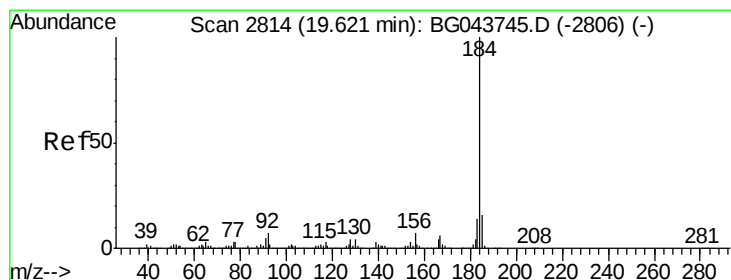
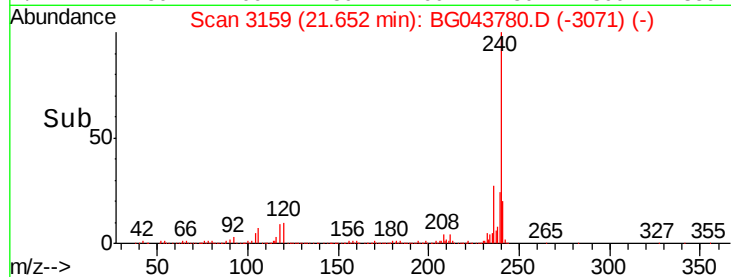
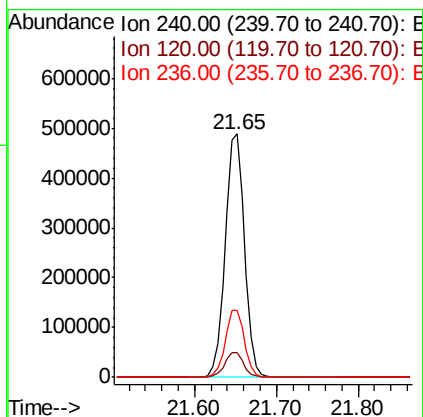
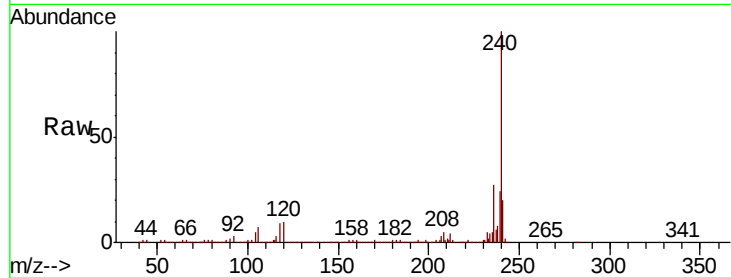




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG043780.D
Acq: 26 Nov 2019 16:35

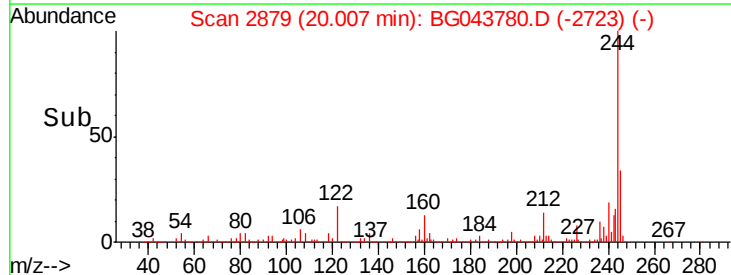
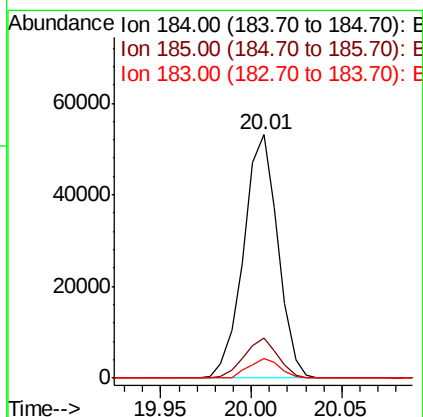
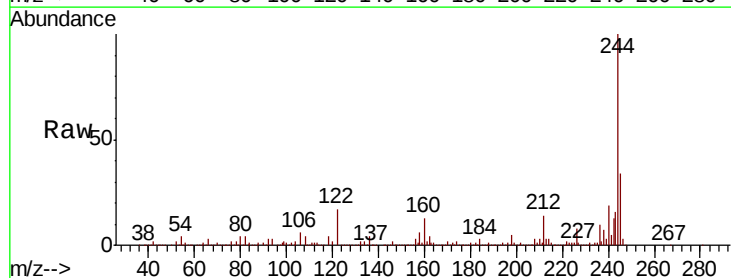
Instrument :
BNA_G
ClientSampleId :

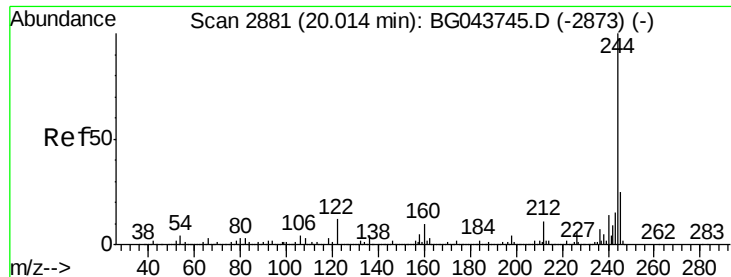
Tot Ion:240 Resp: 795306
Ion Ratio Lower Upper
240 100
120 10.1 7.5 11.3
236 27.4 22.6 34.0



#77
Benzidine
Concen: 2.999 ng
RT: 20.01 min Scan# 2879
Delta R.T. 0.39 min
Lab File: BG043780.D
Acq: 26 Nov 2019 16:35

Tgt Ion:184 Resp: 69676
Ion Ratio Lower Upper
184 100
185 16.4 12.8 19.2
183 7.9 11.3 16.9#





#79

Terphenyl-d14

Concen: 85.571 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

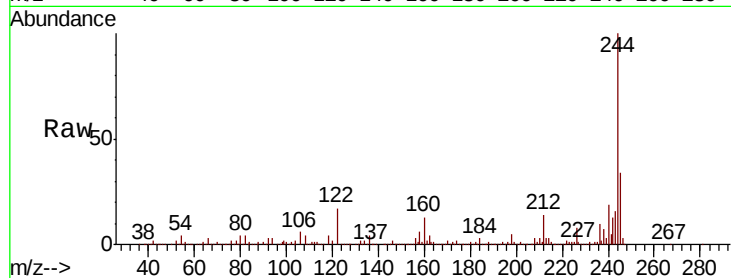
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 3011781

Ion	Ratio	Lower	Upper
244	100		
212	14.1	8.5	12.7
122	16.6	9.5	14.3

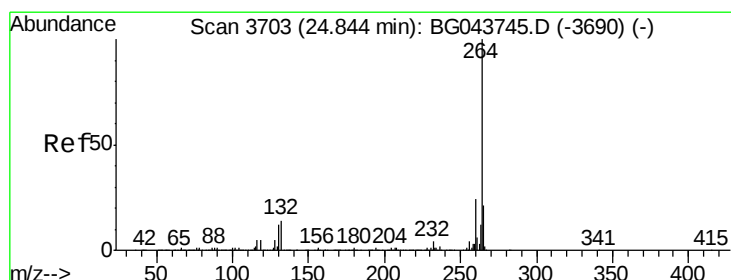
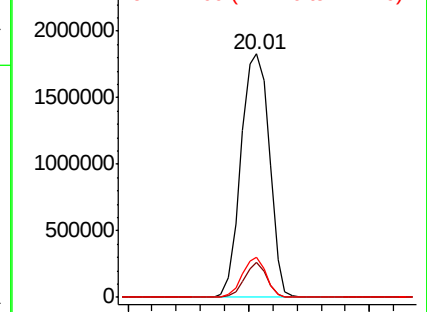
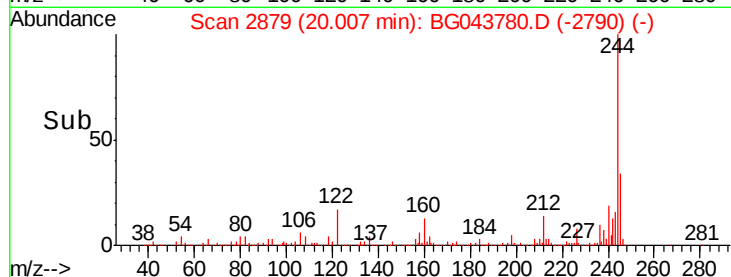


Abundance

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# 3699

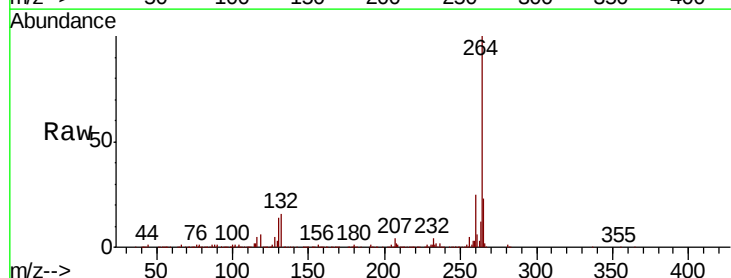
Delta R.T. -0.02 min

Lab File: BG043780.D

Acq: 26 Nov 2019 16:35

Tgt Ion:264 Resp: 770695

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	22.9	17.0	25.6



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

