

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112619\
 Data File : BG043781.D
 Acq On : 26 Nov 2019 17:14
 Operator : JU
 Sample : PB125122TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 02:26:29 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

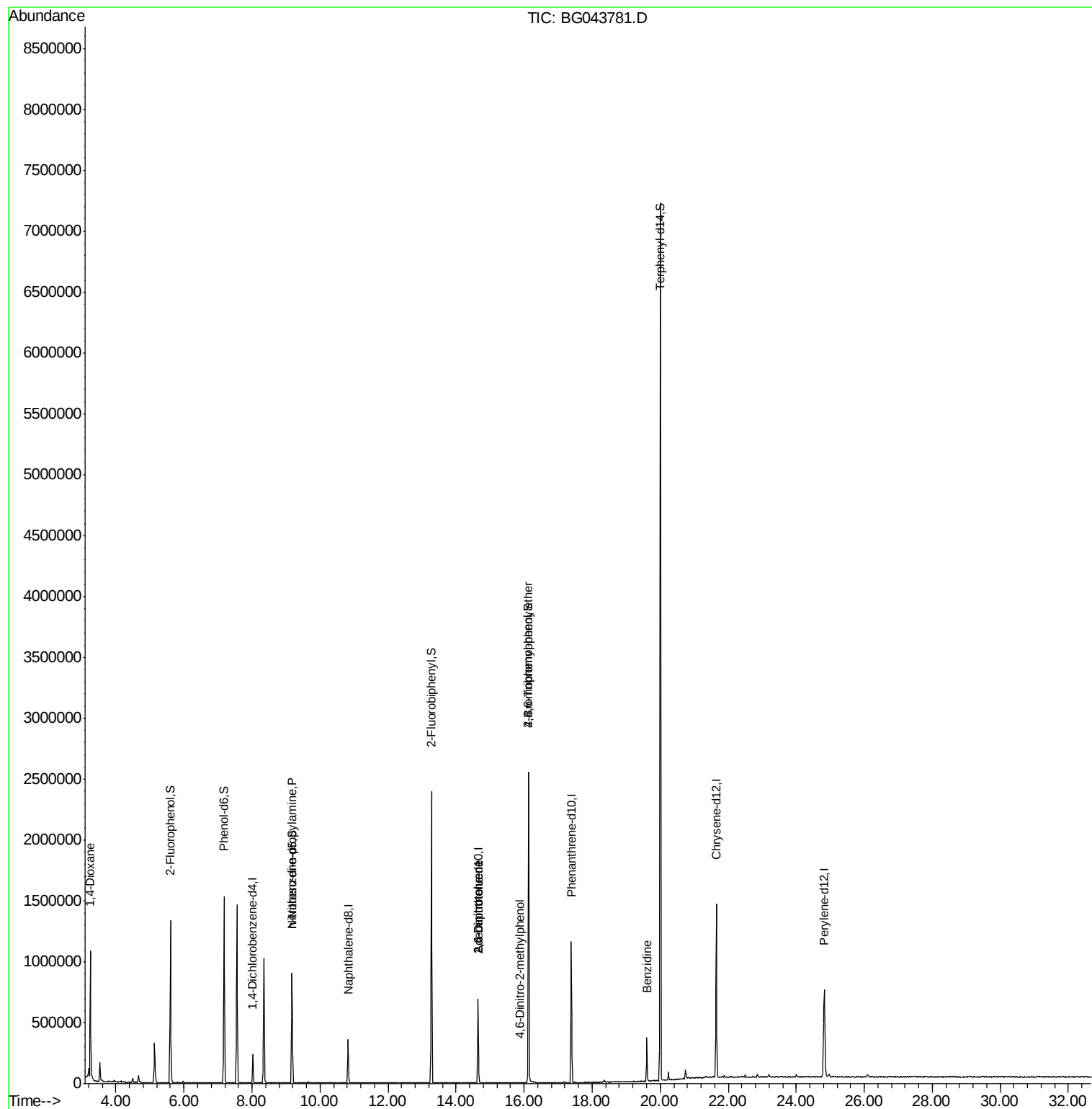
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	69591	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	322428	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	239840	20.00	ng	-0.01
64) Phenanthrene-d10	17.39	188	721101	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	760286	20.00	ng	-0.02
87) Perylene-d12	24.82	264	745397	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	669190	172.88	ng	0.00
7) Phenol-d6	7.18	99	925491	164.47	ng	0.00
23) Nitrobenzene-d5	9.18	82	552969	94.30	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	435925	150.69	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	1288601	88.32	ng	-0.01
79) Terphenyl-d14	20.00	244	3024095	89.88	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.25	88	7394	4.308	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	72677	16.424	ng	# 74
51) 2,6-Dinitrotoluene	14.65	165	32045	9.082	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	32045	6.549	ng	# 24
60) Diethylphthalate	15.47	149	976	Below Cal		# 85
65) 4,6-Dinitro-2-methylphenol	15.86	198	73	4.146	ng	# 38
67) 4-Bromophenyl-phenylether	16.13	248	34038	4.476	ng	# 1
73) Carbazole	17.78	167	54	Below Cal		# 56
77) Benzidine	19.61	184	210006	9.456	ng	98

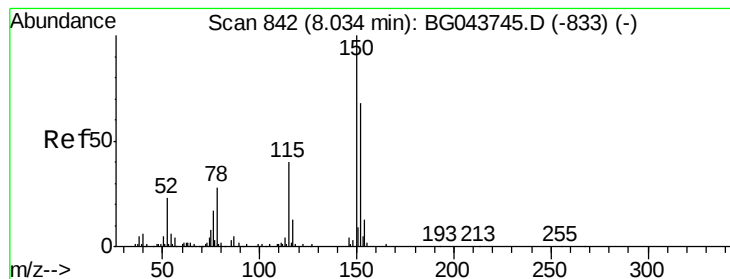
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 23 00:54:00 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

Instrument :

BNA_G

ClientSampleId :

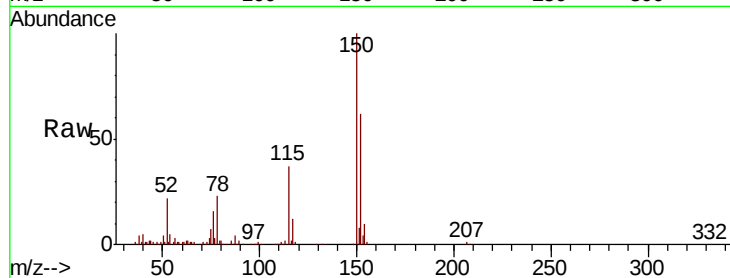
Tot Ion:152 Resp: 69591

Ion Ratio Lower Upper

152 100

150 162.5 117.8 176.8

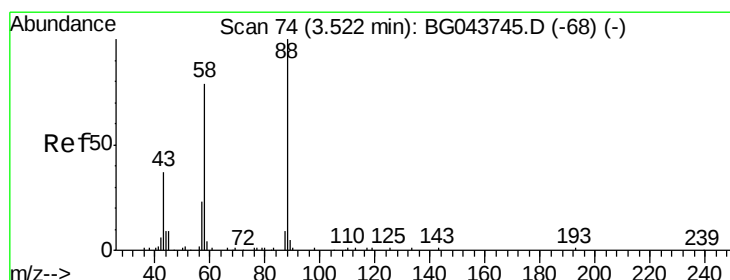
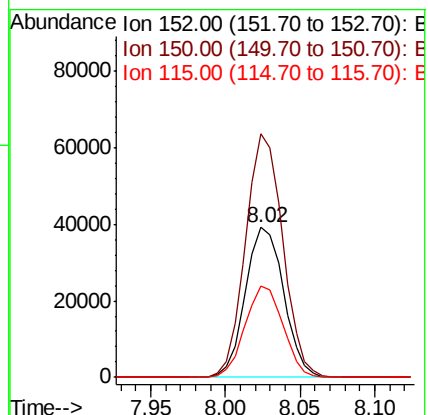
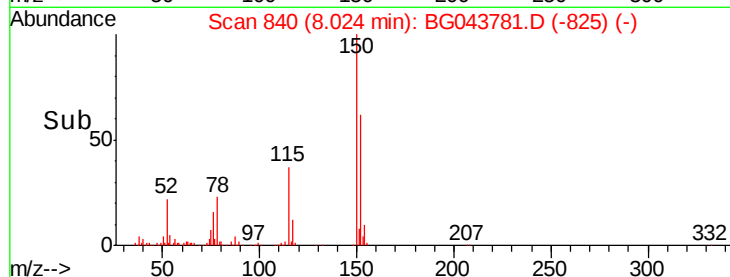
115 60.8 47.0 70.4



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



#2

1,4-Dioxane

Concen: 4.308 ng

RT: 3.25 min Scan# 27

Delta R.T. -0.27 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

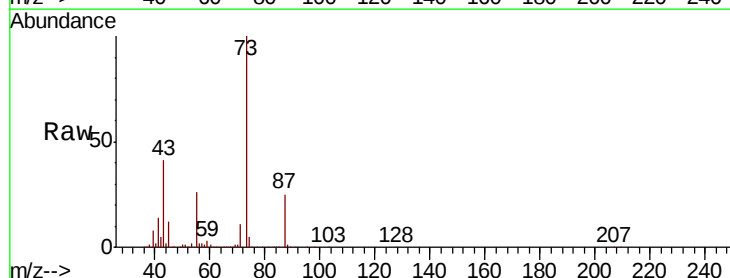
Tgt Ion: 88 Resp: 7394

Ion Ratio Lower Upper

88 100

58 32.1 62.3 93.5#

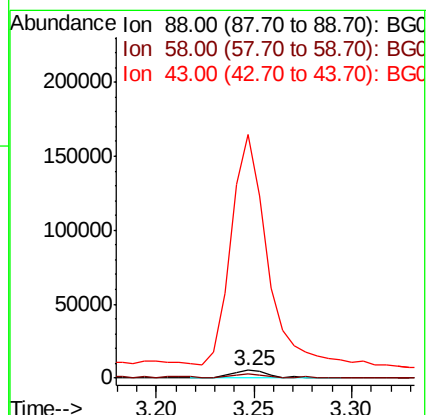
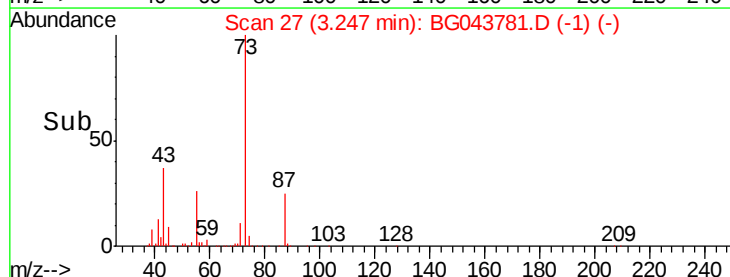
43 3048.5 28.9 43.3#

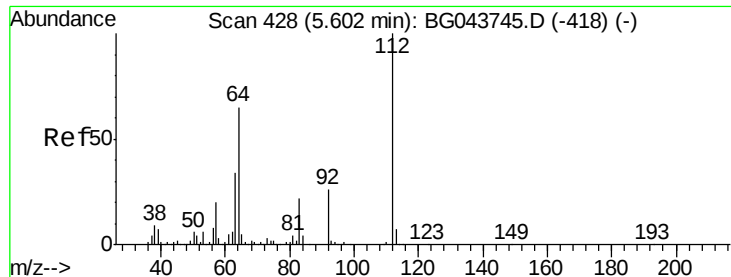


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 172.875 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

Instrument :

BNA_G

ClientSampleId :

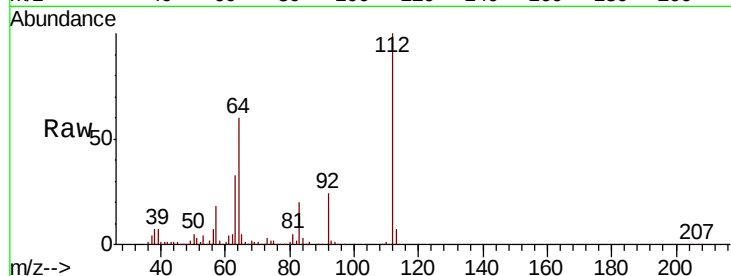
Tot Ion:112 Resp: 669190

Ion Ratio Lower Upper

112 100

64 60.1 51.7 77.5

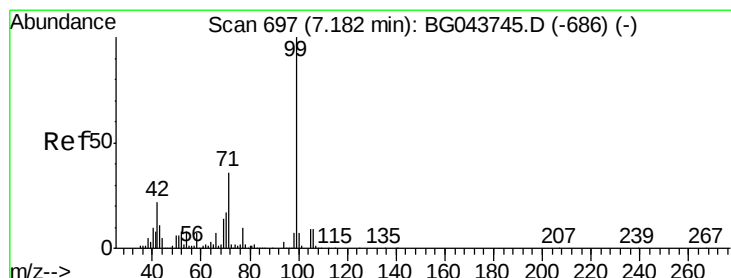
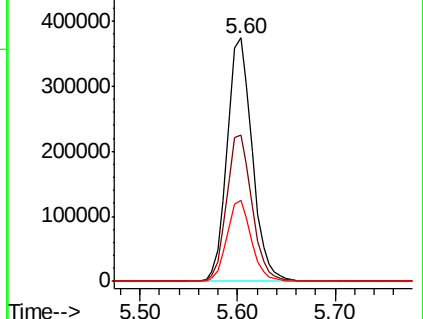
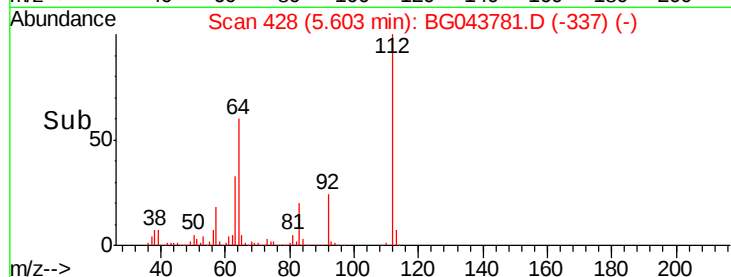
63 33.2 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 164.471 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

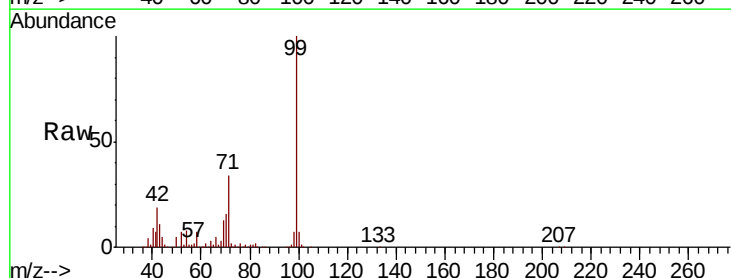
Tgt Ion: 99 Resp: 925491

Ion Ratio Lower Upper

99 100

42 19.3 17.4 26.0

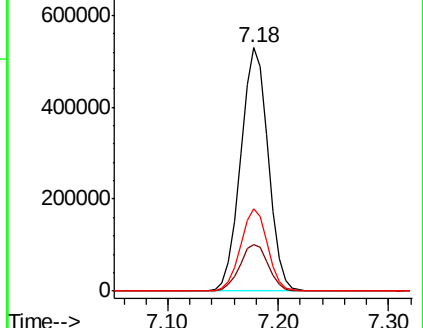
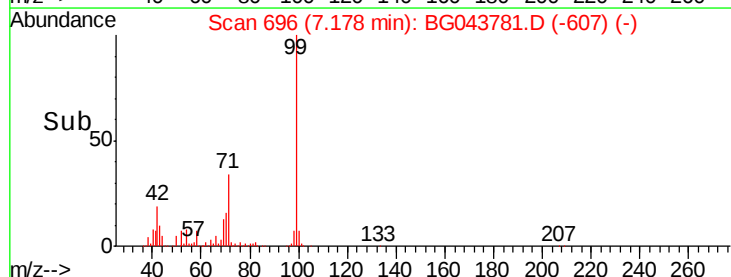
71 33.9 29.5 44.3

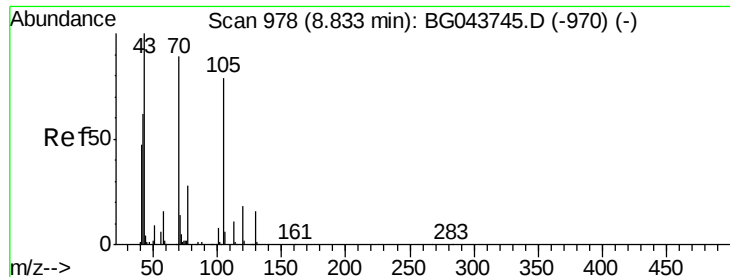


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

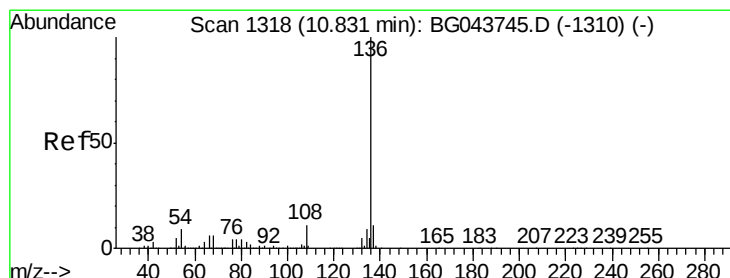
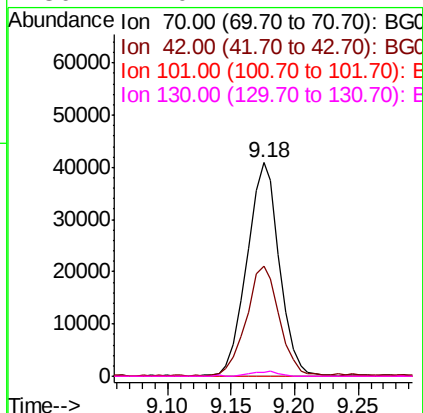
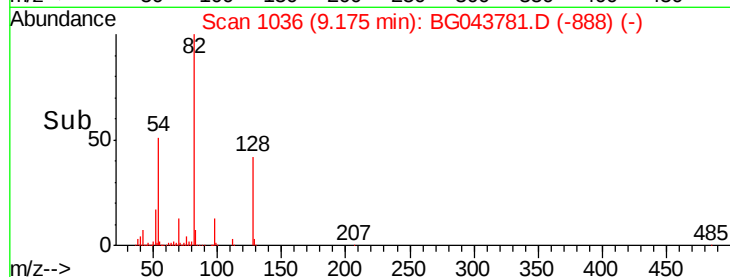
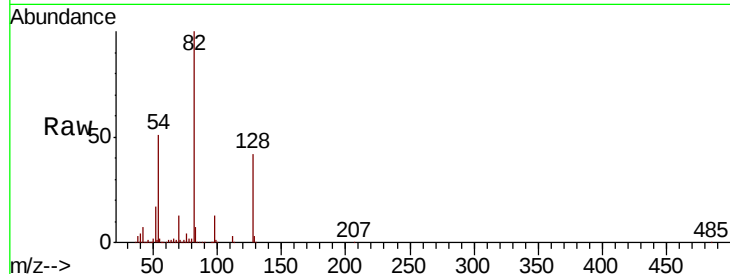




#19
n-Nitroso-di-n-propylamine
Concen: 16.424 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.34 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

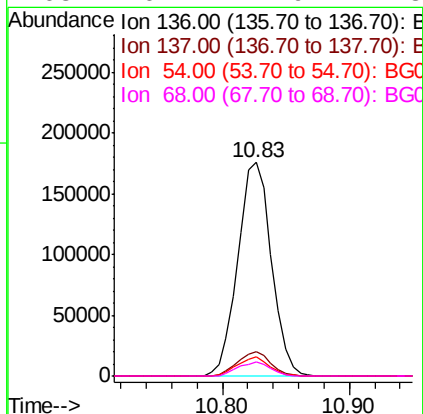
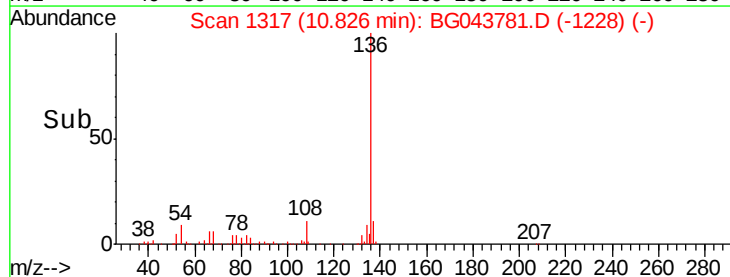
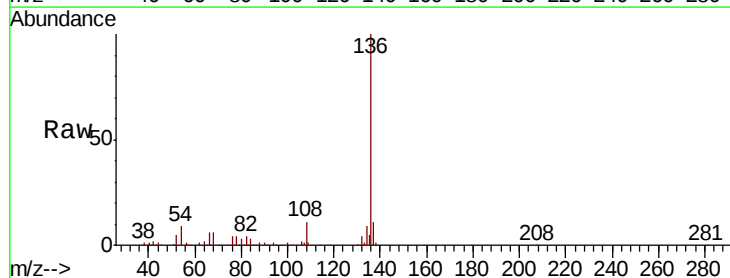
Instrument :
BNA_G
ClientSampleId :

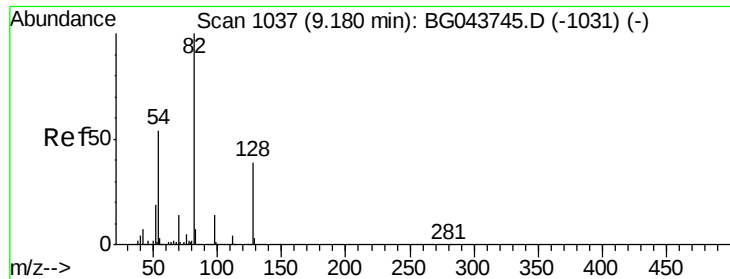
Tot Ion: 70 Resp: 72677
Ion Ratio Lower Upper
70 100
42 51.6 56.4 84.6#
101 0.0 6.7 10.1#
130 2.0 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Tgt Ion: 136 Resp: 322428
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.7 7.5 11.3
68 6.4 4.9 7.3

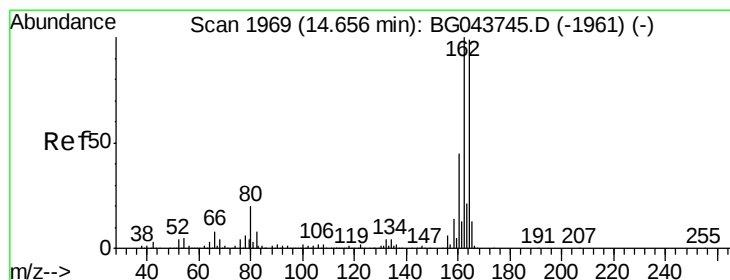
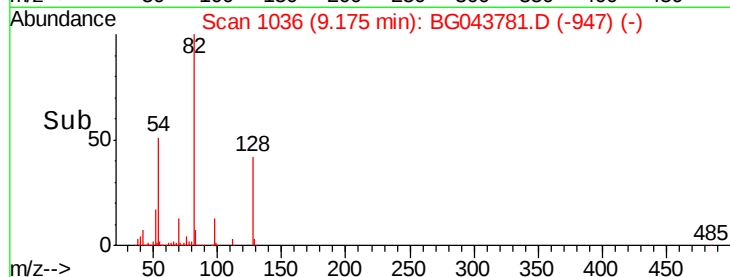
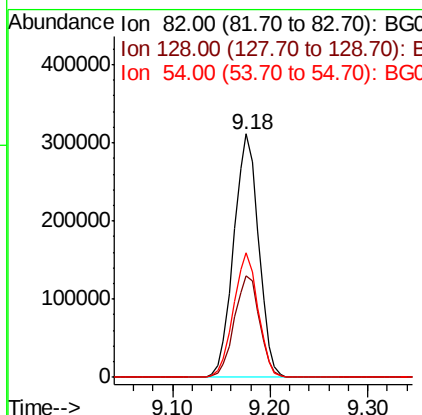
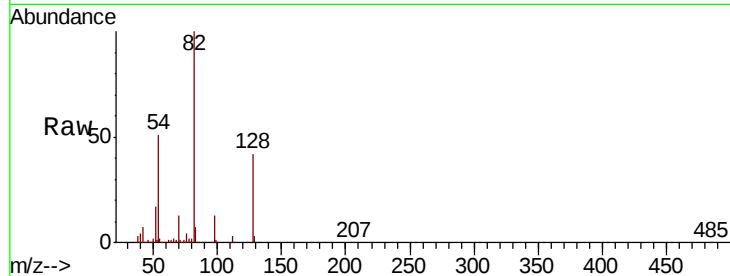




#23
Nitrobenzene-d5
Concen: 94.296 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

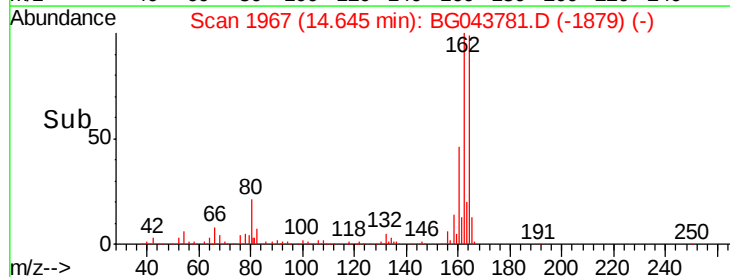
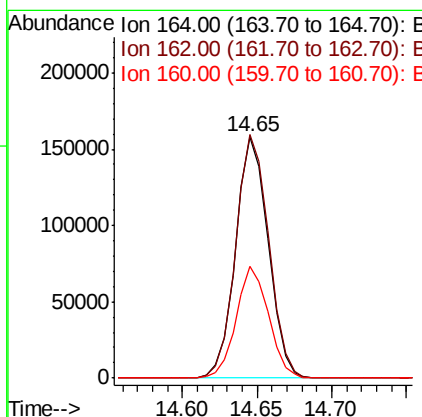
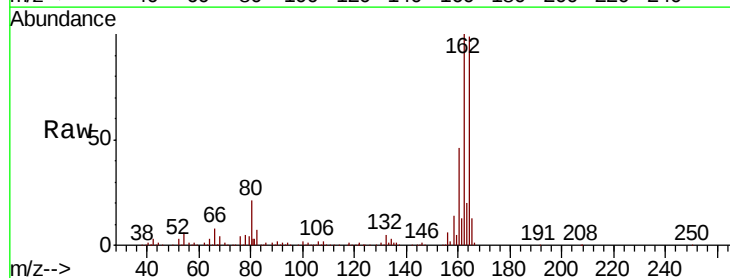
Instrument :
BNA_G
ClientSampleId :

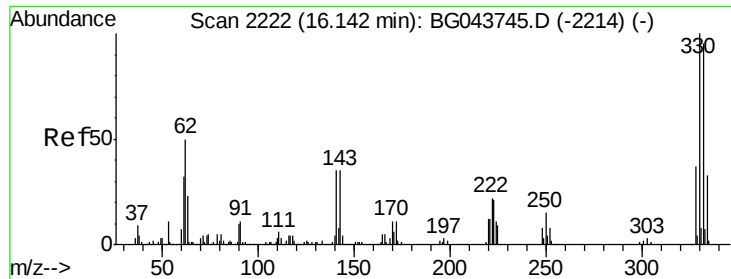
Tot Ion	82	Resp	552969
Ion Ratio	Lower	Upper	
82	100		
128	41.6	31.3	46.9
54	51.1	42.7	64.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Tgt Ion	164	Resp	239840
Ion Ratio	Lower	Upper	
164	100		
162	100.9	80.6	121.0
160	46.2	36.3	54.5

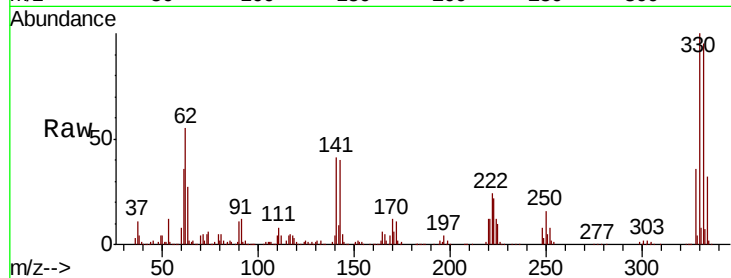




#42
 2,4,6-Tribromophenol
 Concen: 150.691 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG043781.D
 Acq: 26 Nov 2019 17:14

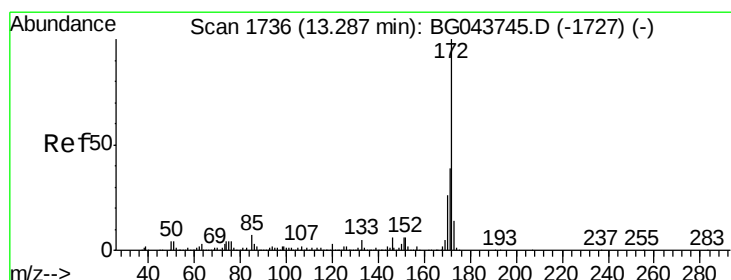
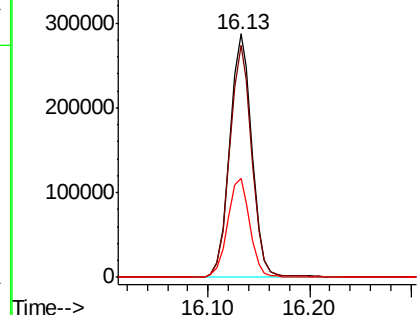
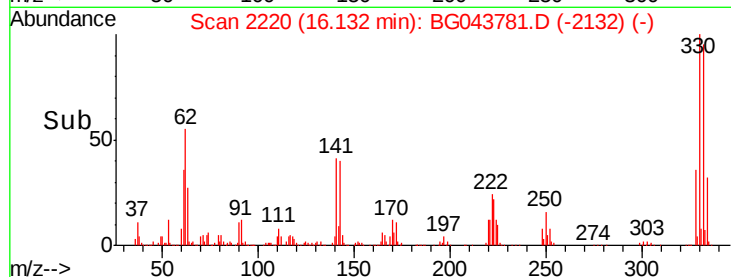
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.3	115.9
141	41.2	31.4	47.2



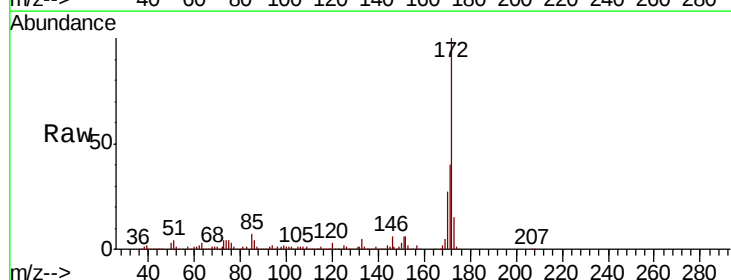
Abundance

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



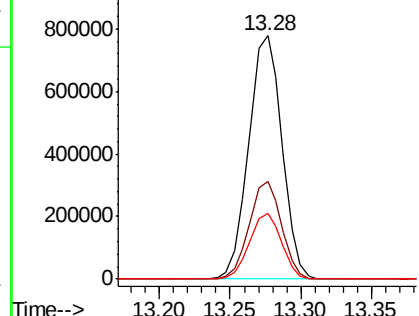
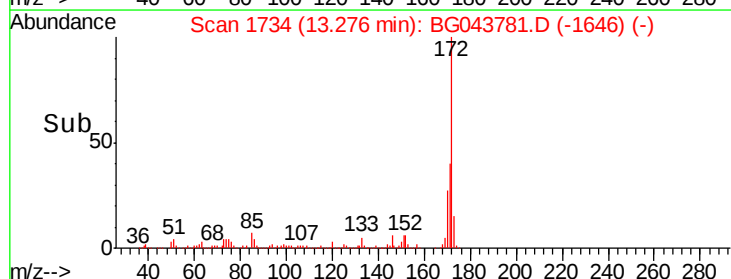
#45
 2-Fluorobiphenyl
 Concen: 88.317 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043781.D
 Acq: 26 Nov 2019 17:14

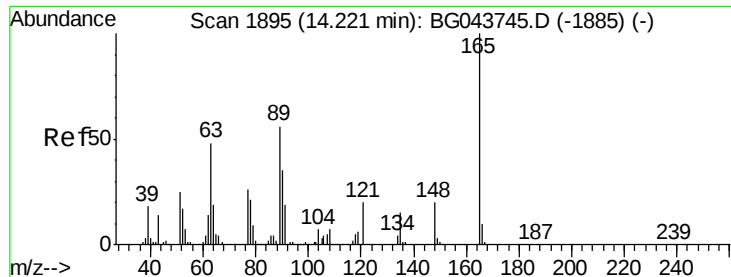
Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	31.0	46.6
170	27.1	21.0	31.4



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

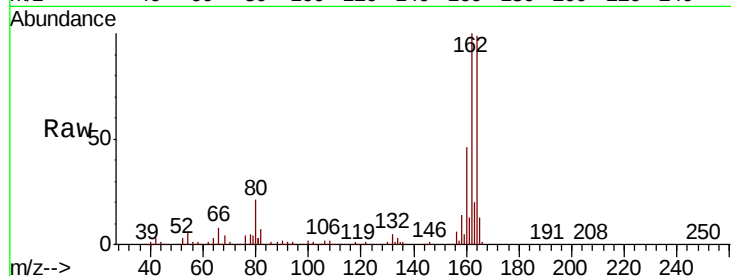




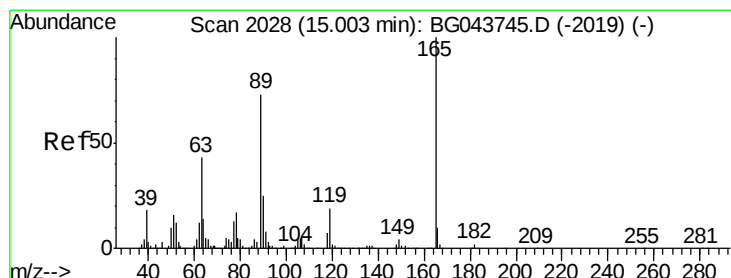
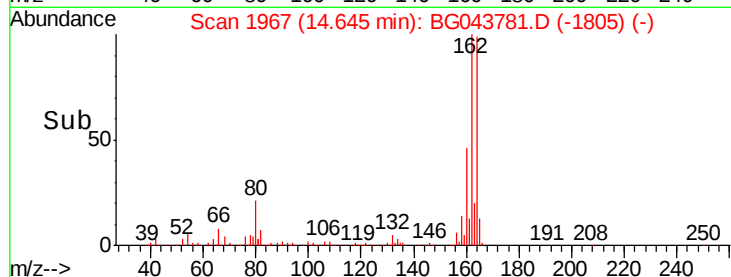
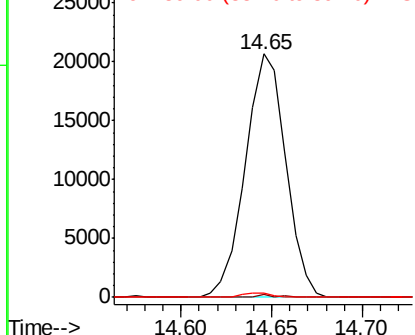
#51
2,6-Dinitrotoluene
Concen: 9.082 ng
RT: 14.65 min Scan# 1967
Delta R.T. 0.42 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	43.4	65.2#
89	1.6	44.6	67.0#

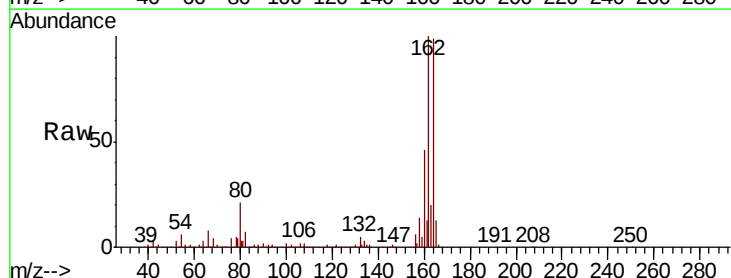


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

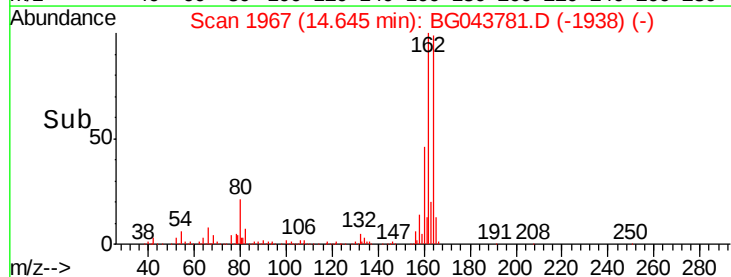
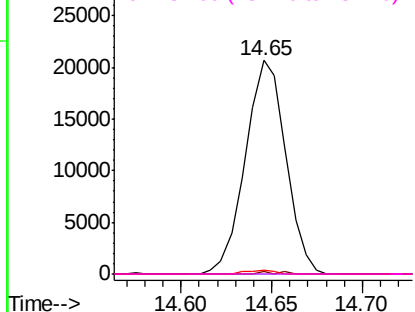


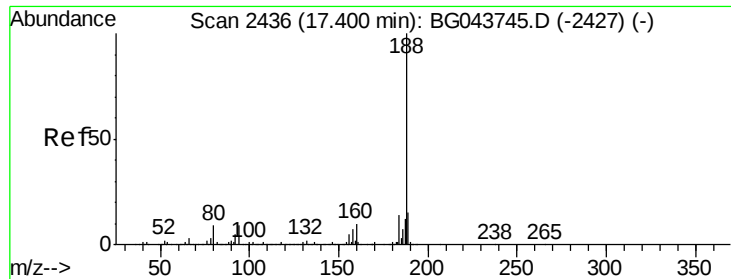
#57
2,4-Dinitrotoluene
Concen: 6.549 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.36 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.6	51.8#
89	1.6	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: BG043781.D

Acq: 26 Nov 2019 17:14

Instrument :

BNA_G

ClientSampleId :

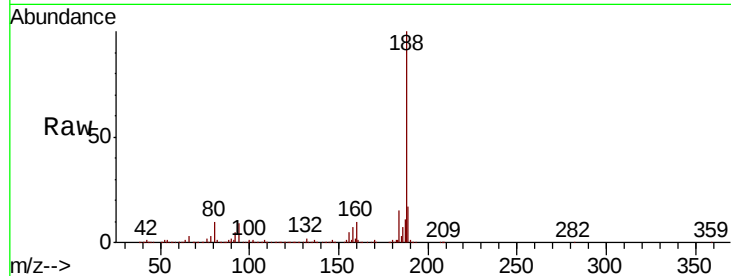
Tot Ion:188 Resp: 721101

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

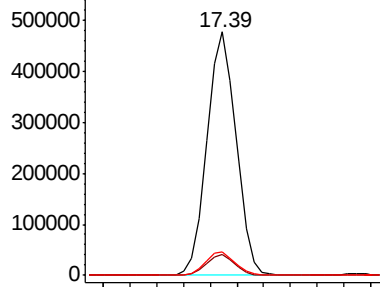
80 9.7 7.5 11.3



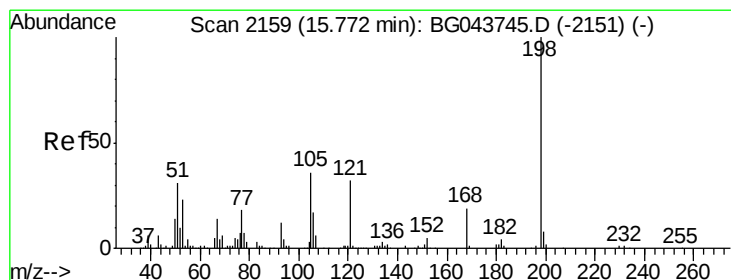
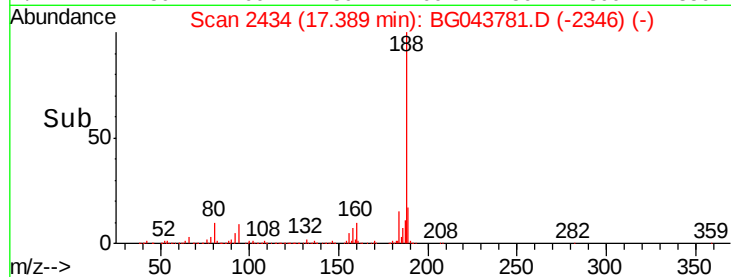
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time--> 17.30 17.40



#65

4,6-Dinitro-2-methylphenol

Concen: 4.146 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.09 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

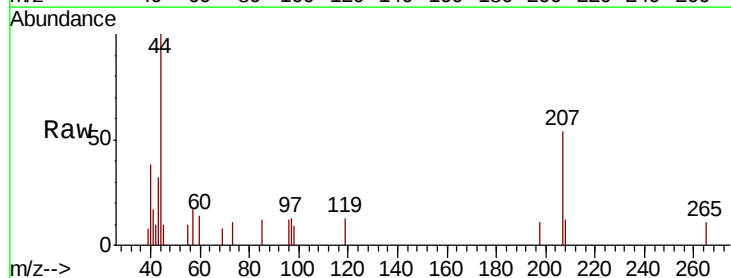
Tgt Ion:198 Resp: 73

Ion Ratio Lower Upper

198 100

51 0.0 16.8 56.8#

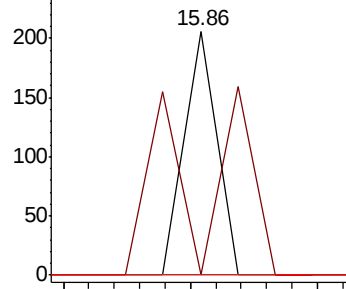
105 0.0 17.3 57.3#



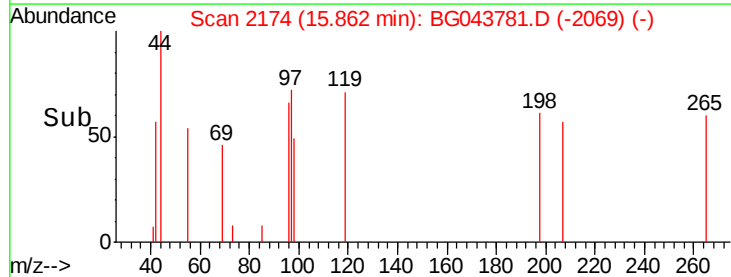
Abundance Ion 198.00 (197.70 to 198.70): E

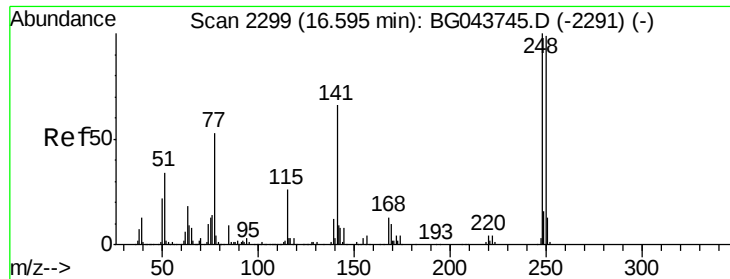
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time--> 15.84 15.86 15.88

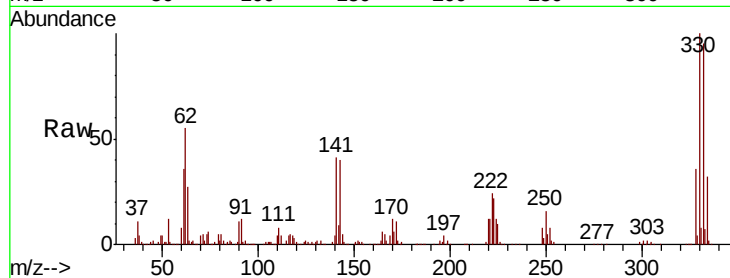




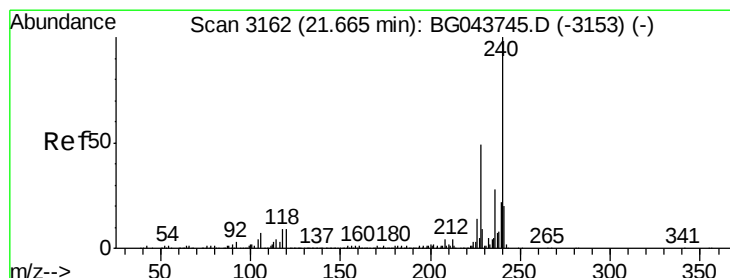
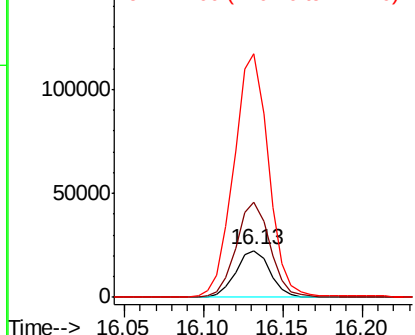
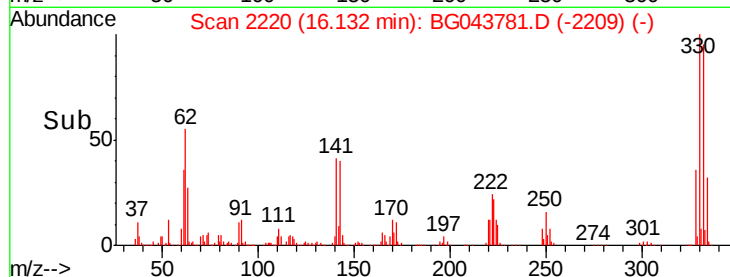
#67
4-Bromophenyl-phenylether
Concen: 4.476 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.46 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 34038
Ion Ratio Lower Upper
248 100
250 204.9 79.3 118.9#
141 523.3 53.0 79.6#

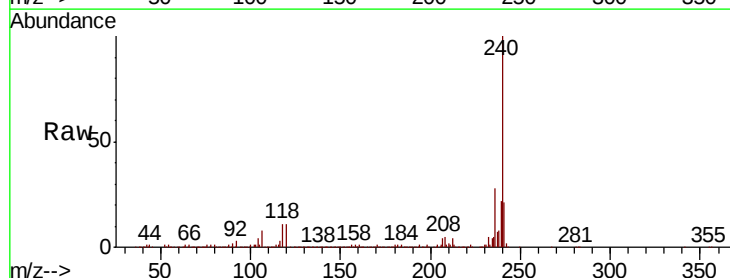


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

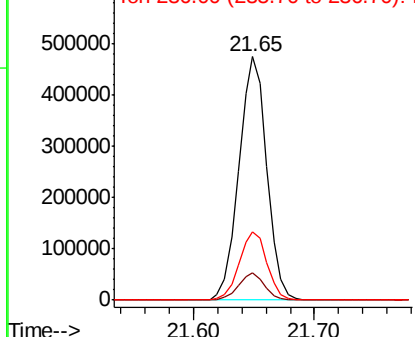
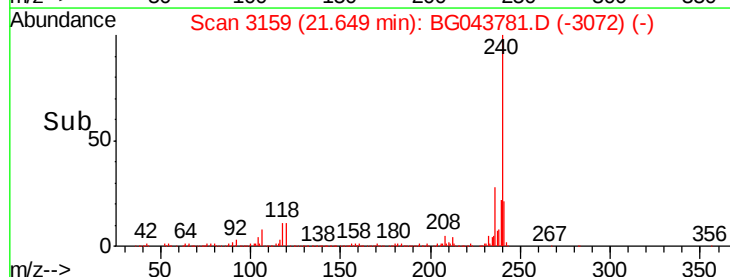


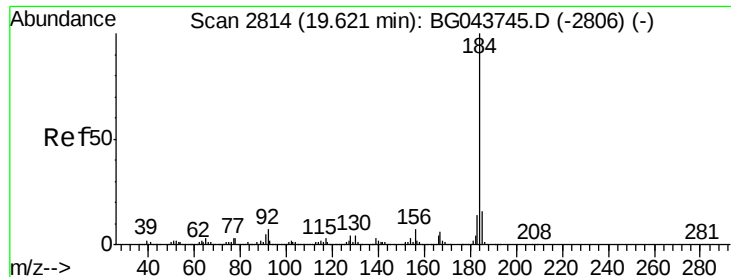
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.02 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Tgt Ion:240 Resp: 760286
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 28.0 22.6 34.0



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: 9.456 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

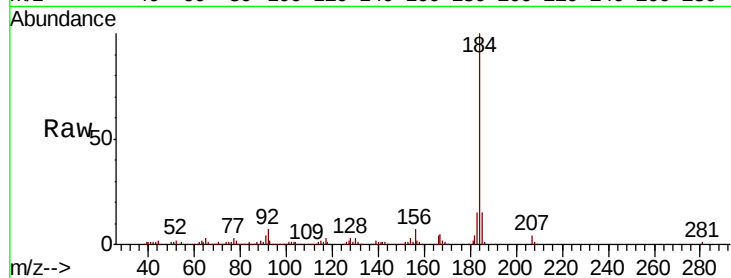
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 210006

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.8	19.2
183	14.6	11.3	16.9

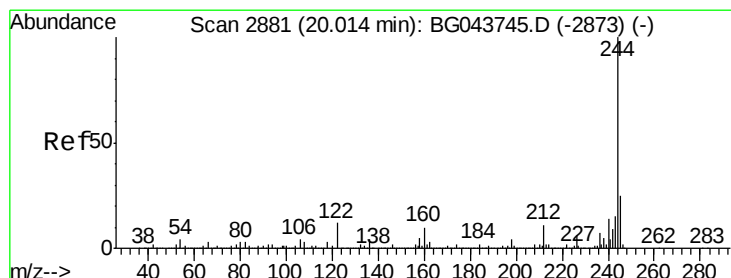
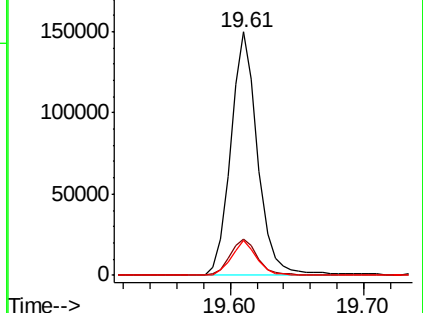
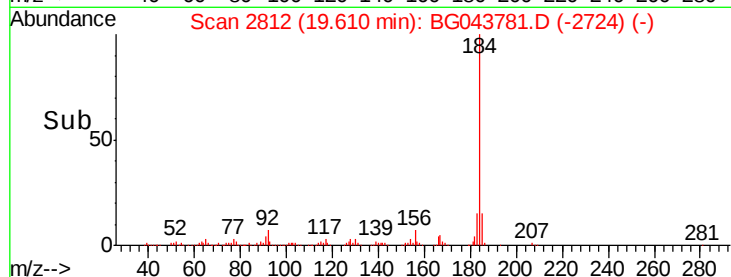


Abundance

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: 89.879 ng

RT: 20.00 min Scan# 2879

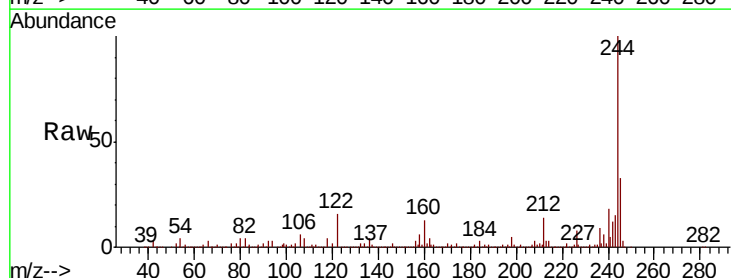
Delta R.T. -0.01 min

Lab File: BG043781.D

Acq: 26 Nov 2019 17:14

Tgt Ion:244 Resp: 3024095

Ion	Ratio	Lower	Upper
244	100		
212	13.7	8.5	12.7#
122	16.5	9.5	14.3#

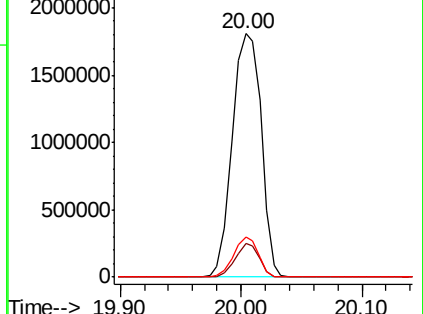
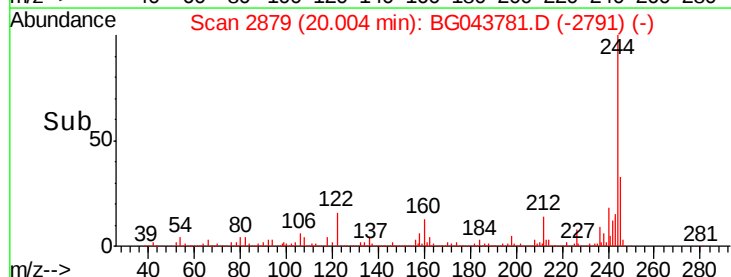


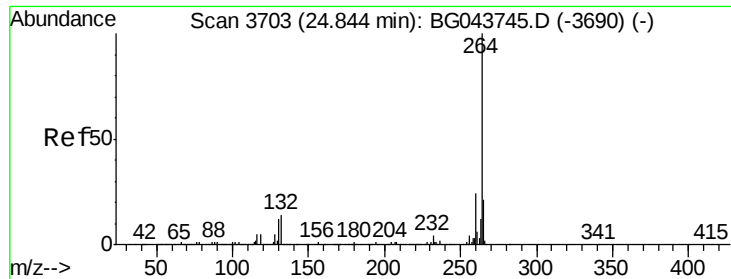
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.02 min
Lab File: BG043781.D
Acq: 26 Nov 2019 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	21.9	17.0	25.6

