

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112619\
 Data File : BG043782.D
 Acq On : 26 Nov 2019 17:53
 Operator : JU
 Sample : K5663-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 02:26:37 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	68438	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	333574	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	265337	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	765039	20.00	ng	0.00
76) Chrysene-d12	21.65	240	800822	20.00	ng	-0.01
87) Perylene-d12	24.82	264	759299	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	644228	169.23	ng	0.00
7) Phenol-d6	7.18	99	960514	173.57	ng	0.00
23) Nitrobenzene-d5	9.18	82	528778	87.16	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	459327	143.52	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1269601	78.65	ng	-0.01
79) Terphenyl-d14	20.01	244	2870741	81.00	ng	0.00

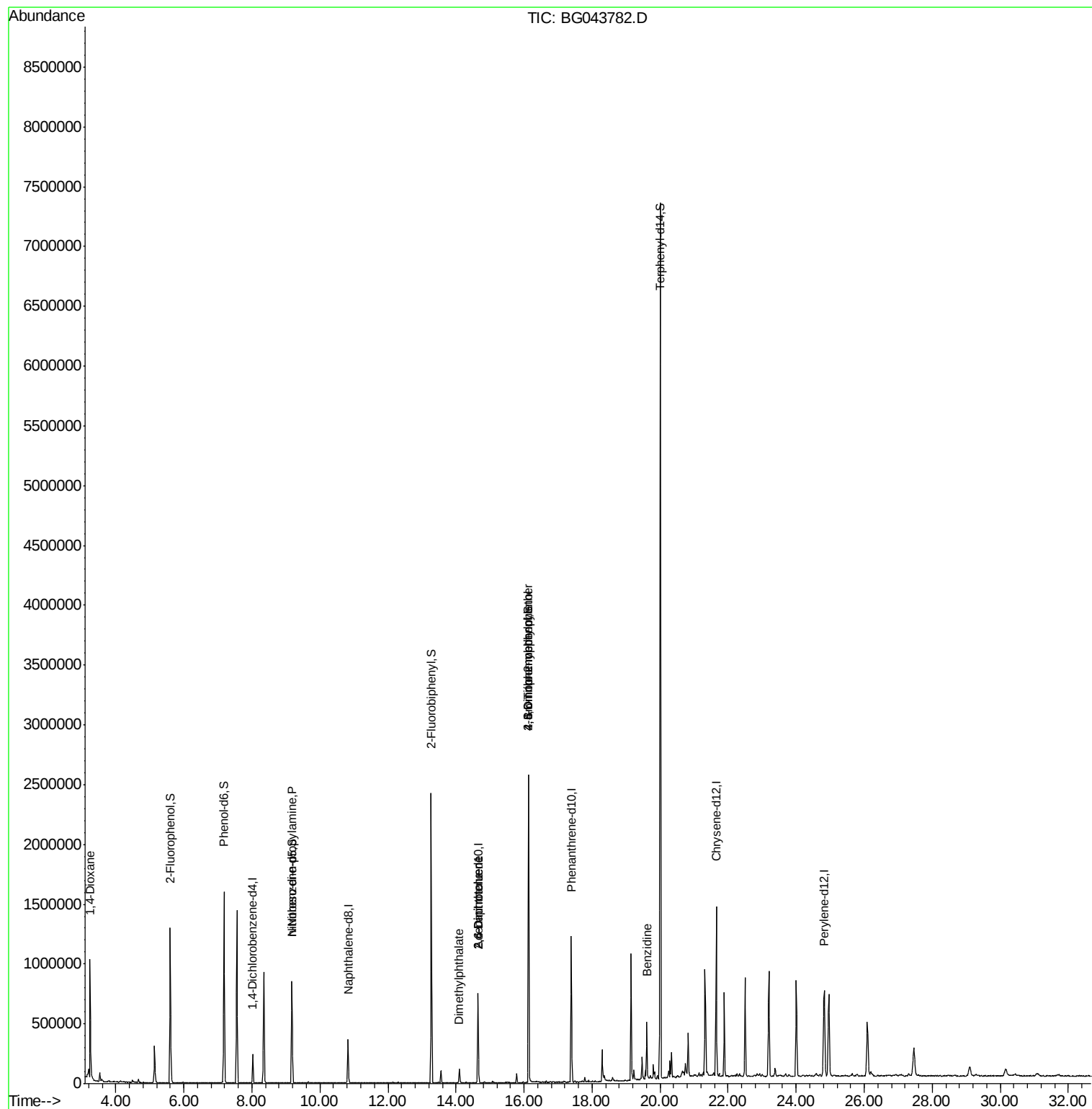
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	7447	4.412	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	69332	15.932	ng	# 75
50) Dimethylphthalate	14.10	163	76809	3.654	ng	# 98
51) 2,6-Dinitrotoluene	14.65	165	34607	8.866	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	34607	6.393	ng	# 24
60) Diethylphthalate	15.46	149	1995	Below Cal		# 85
65) 4,6-Dinitro-2-methylphenol	16.13	198	1796	4.821	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	35145	4.356	ng	# 1
73) Carbazole	17.78	167	517	Below Cal		# 56
77) Benzidine	19.61	184	282412	12.073	ng	98

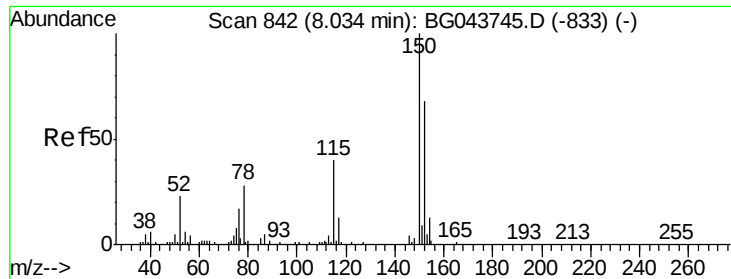
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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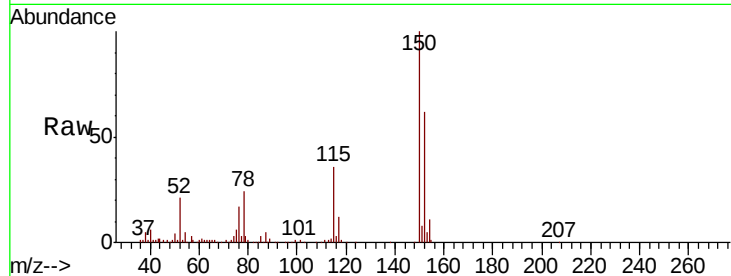


#1

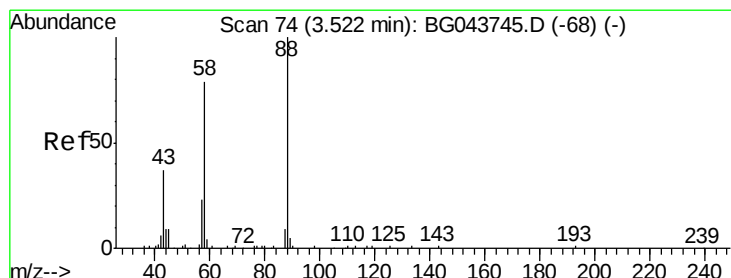
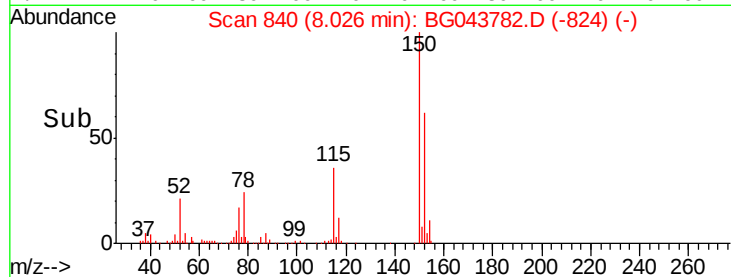
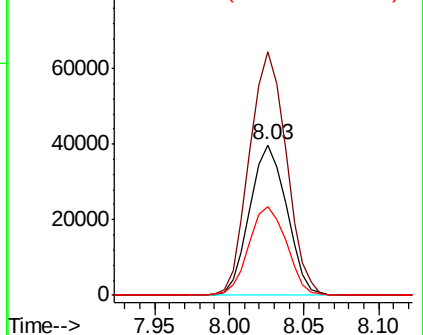
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	68438
Ion Ratio	Lower	Upper	
152	100		
150	161.6	117.8	176.8
115	58.5	47.0	70.4



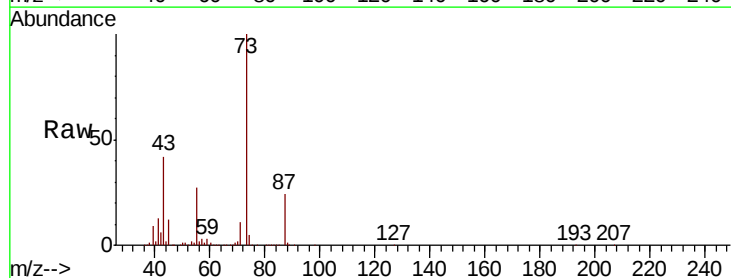
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



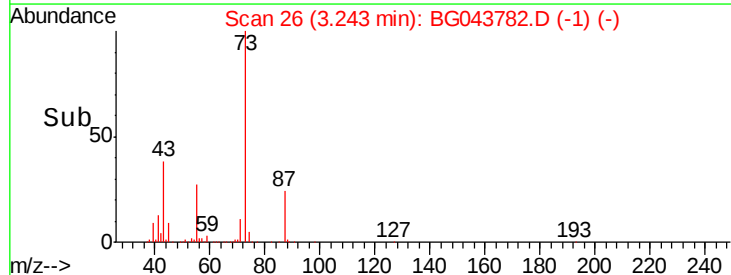
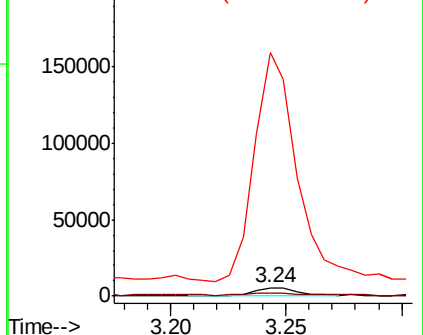
#2

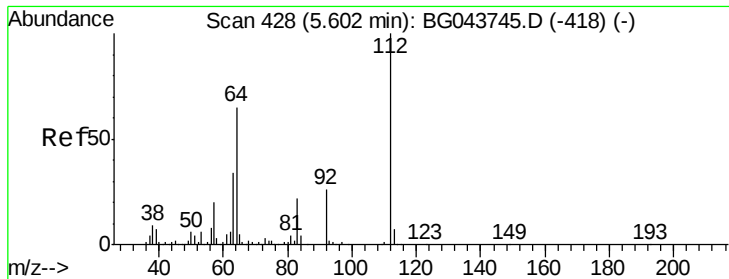
1,4-Dioxane
Concen: 4.412 ng
RT: 3.24 min Scan# 26
Delta R.T. -0.28 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

Tgt Ion	88	Resp	7447
Ion Ratio	Lower	Upper	
88	100		
58	46.1	62.3	93.5#
43	3020.0	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: 169.231 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.00 min

Lab File: BG043782.D

Acq: 26 Nov 2019 17:53

Instrument :

BNA_G

ClientSampleId :

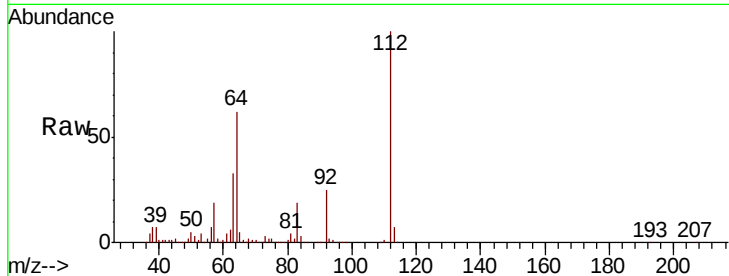
Tot Ion:112 Resp: 644228

Ion Ratio Lower Upper

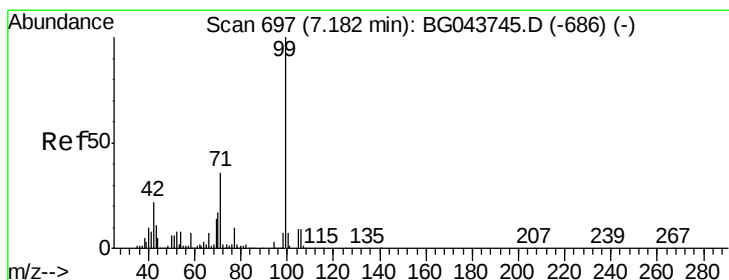
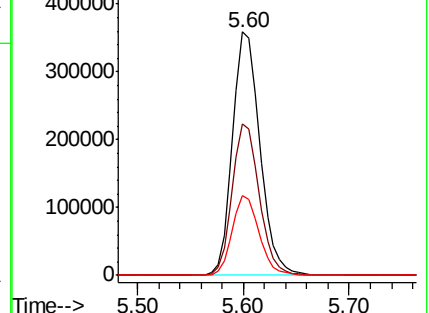
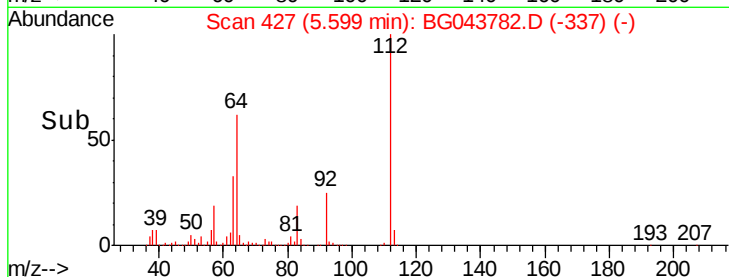
112 100

64 62.2 51.7 77.5

63 32.9 26.8 40.2



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



#7

Phenol-d6

Concen: 173.571 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043782.D

Acq: 26 Nov 2019 17:53

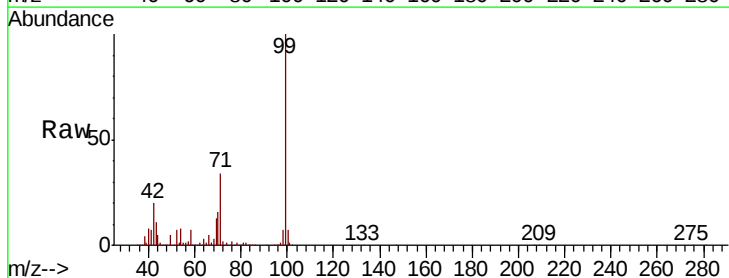
Tgt Ion: 99 Resp: 960514

Ion Ratio Lower Upper

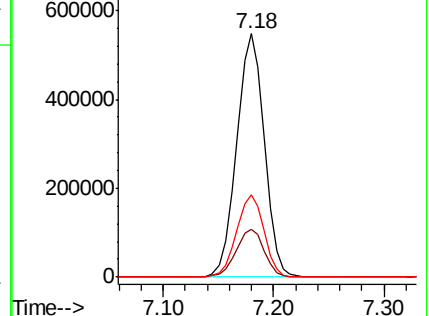
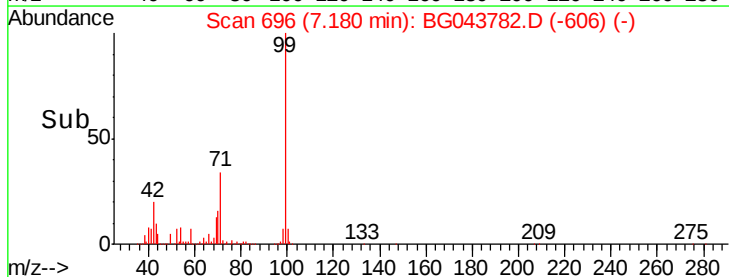
99 100

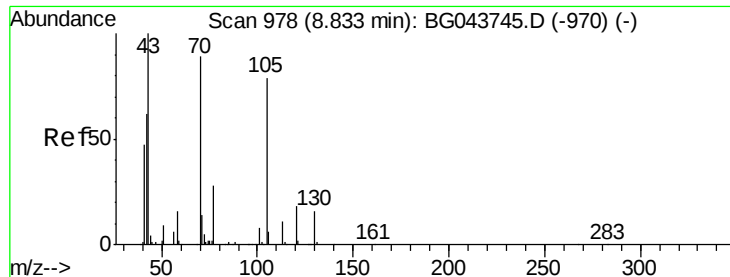
42 19.8 17.4 26.0

71 33.6 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

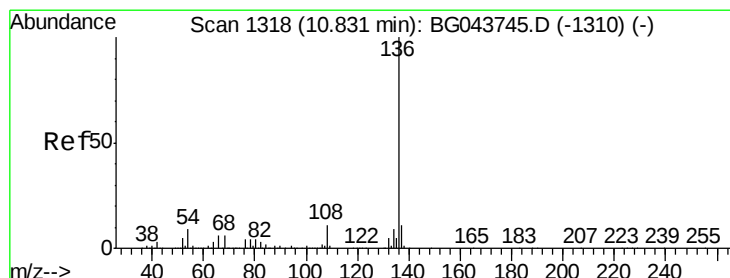
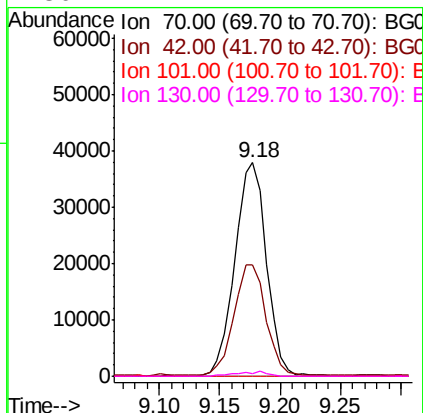
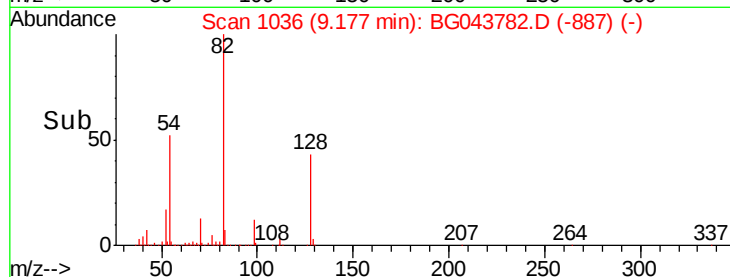
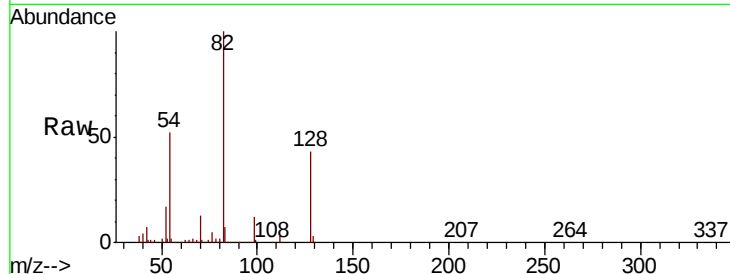




#19
n-Nitroso-di-n-propylamine
Concen: 15.932 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.34 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

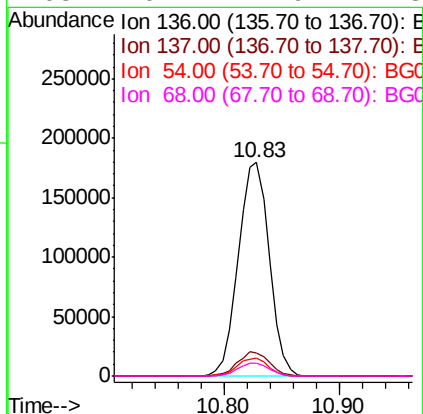
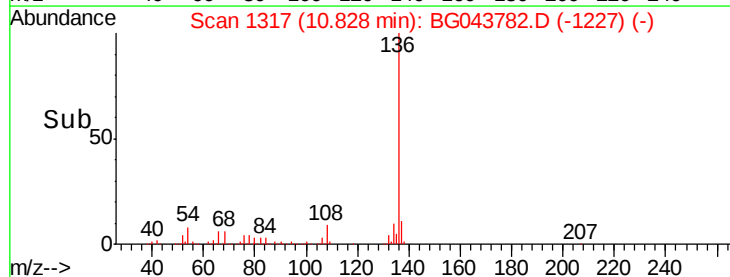
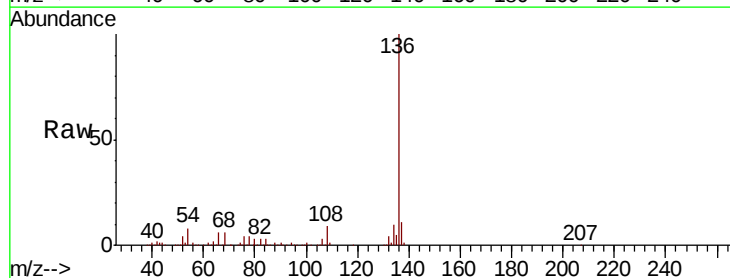
Instrument :
BNA_G
ClientSampled :

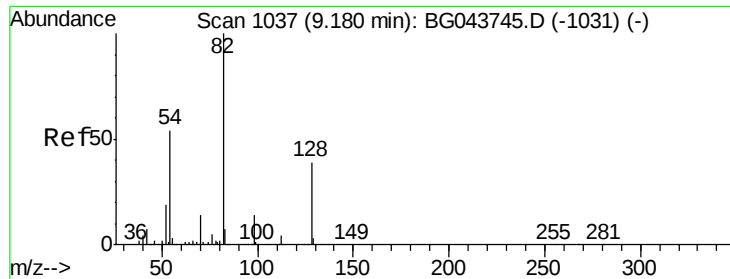
Tot Ion: 70 Resp: 69332
Ion Ratio Lower Upper
70 100
42 52.2 56.4 84.6#
101 0.0 6.7 10.1#
130 1.4 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

Tgt Ion: 136 Resp: 333574
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.5 11.3
68 6.1 4.9 7.3

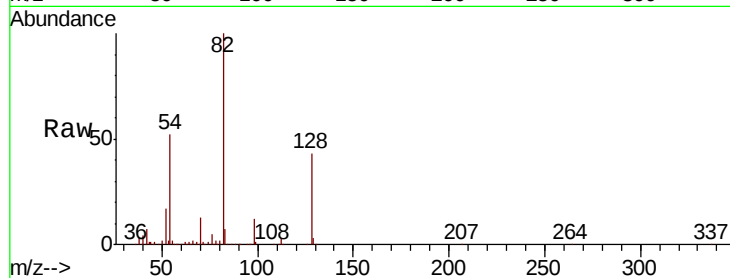




#23
 Nitrobenzene-d5
 Concen: 87.158 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	528778
Ion Ratio	100	Lower	Upper
128	42.6	31.3	46.9
54	52.2	42.7	64.1

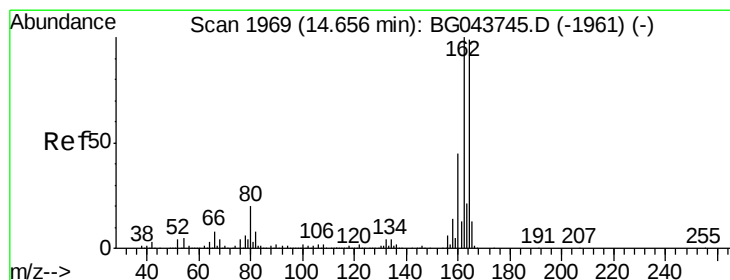
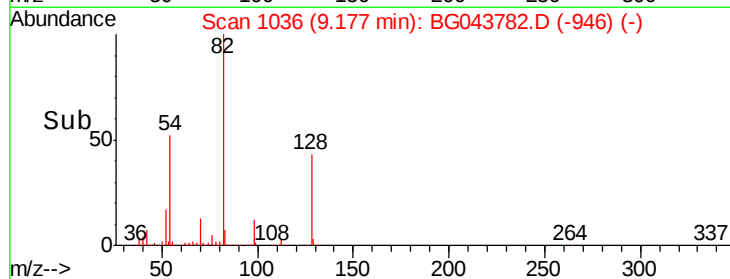
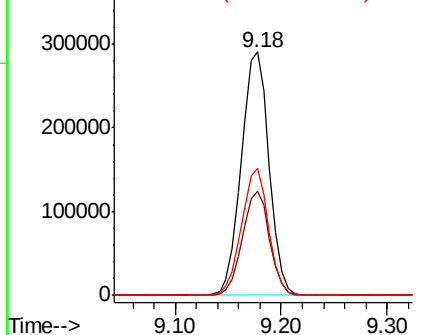


Abundance

Ion 82.00 (81.70 to 82.70): BGC

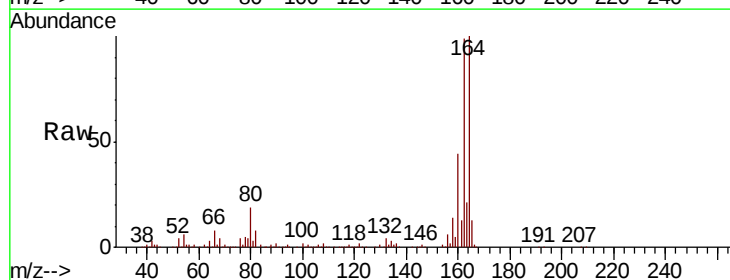
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Tgt Ion	164	Resp	265337
Ion Ratio	100	Lower	Upper
162	99.0	80.6	121.0
160	44.0	36.3	54.5

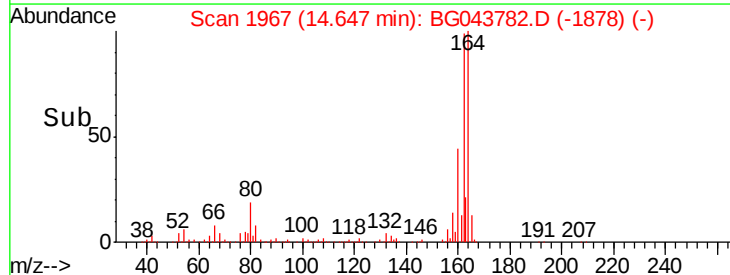
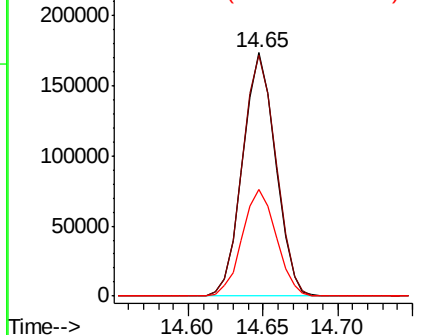


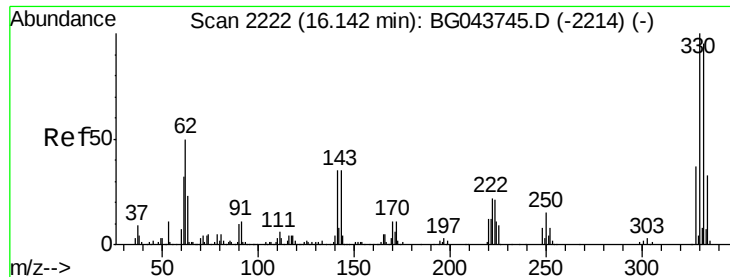
Abundance

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

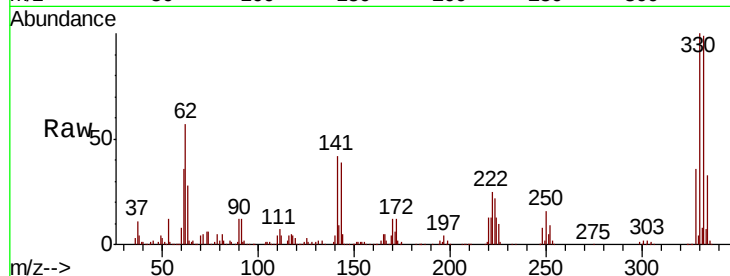




#42
 2,4,6-Tribromophenol
 Concen: 143.523 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	41.9	31.4	47.2

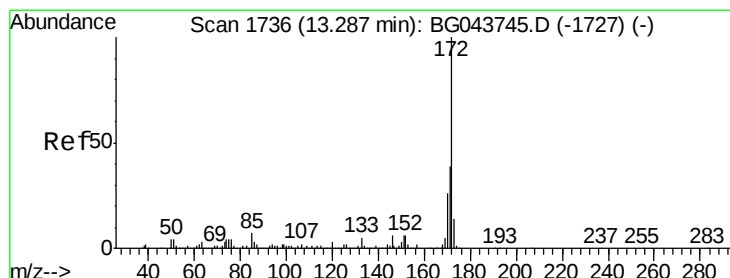
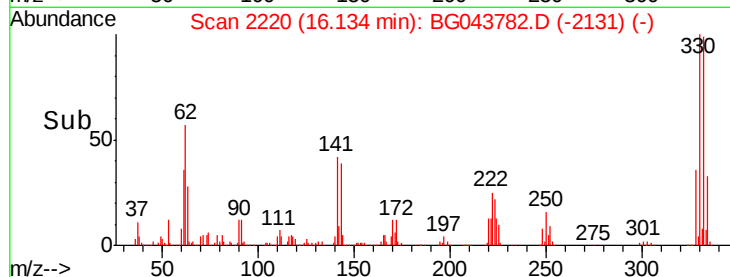
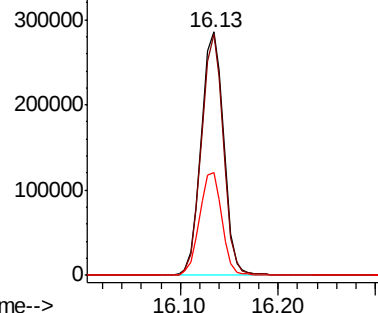


Abundance

Ion 329.80 (329.50 to 330.50): E

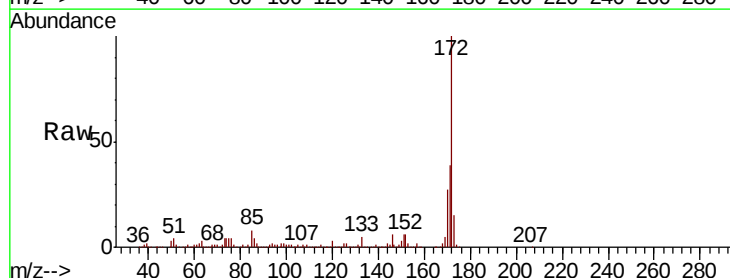
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.653 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.0	46.6
170	26.8	21.0	31.4

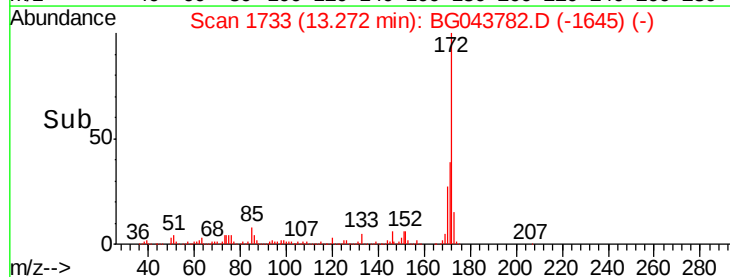
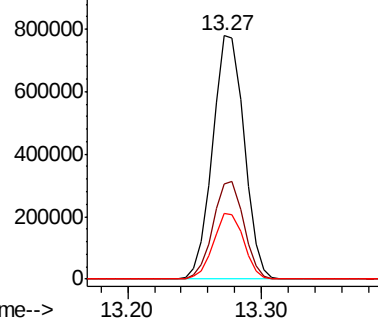


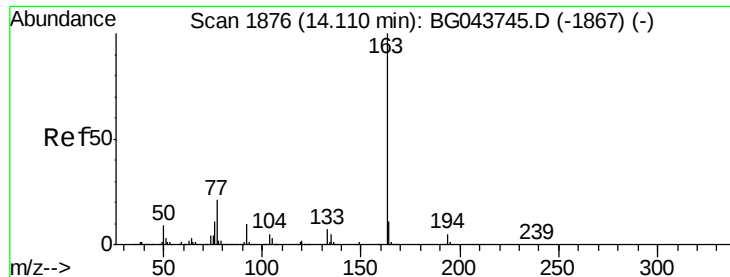
Abundance

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





#50

Dimethylphthalate

Concen: 3.654 ng

RT: 14.10 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG043782.D

Acq: 26 Nov 2019 17:53

Instrument :

BNA_G

ClientSampleId :

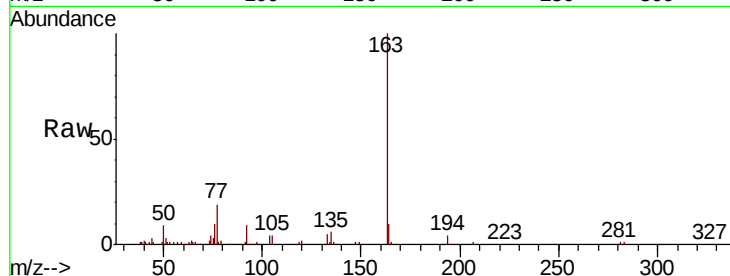
Tot Ion:163 Resp: 76809

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

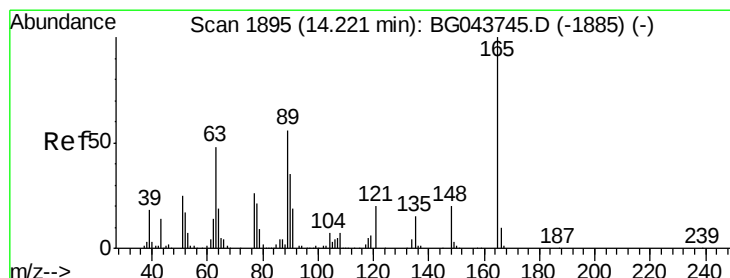
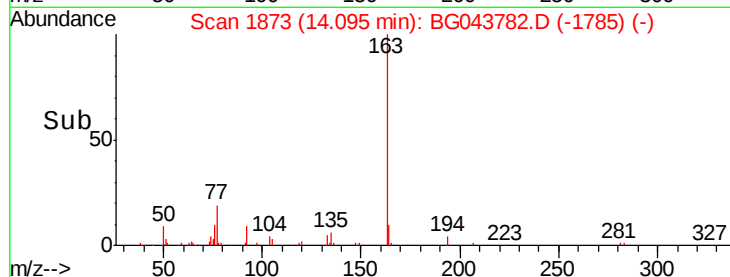
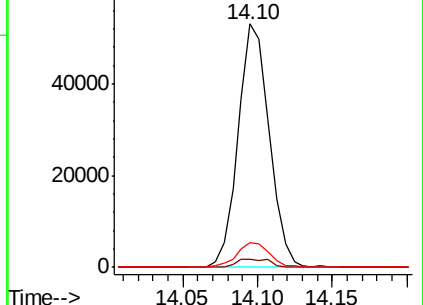
164 10.4 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.866 ng

RT: 14.65 min Scan# 1967

Delta R.T. 0.43 min

Lab File: BG043782.D

Acq: 26 Nov 2019 17:53

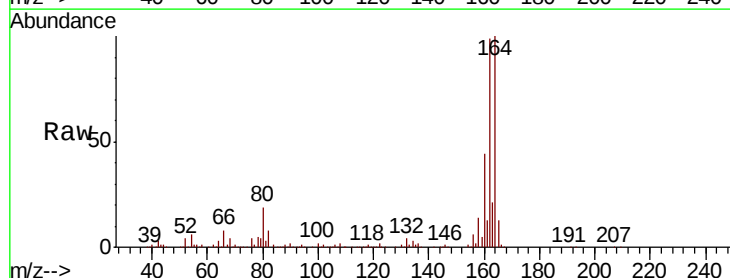
Tgt Ion:165 Resp: 34607

Ion Ratio Lower Upper

165 100

63 1.1 43.4 65.2#

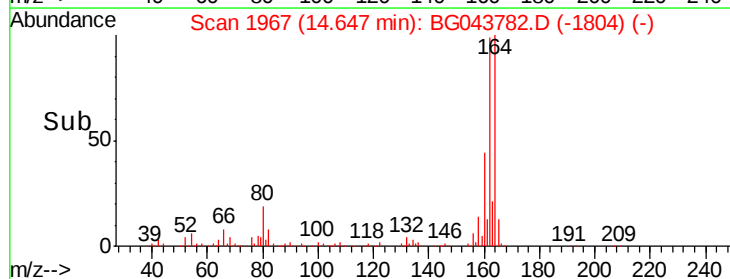
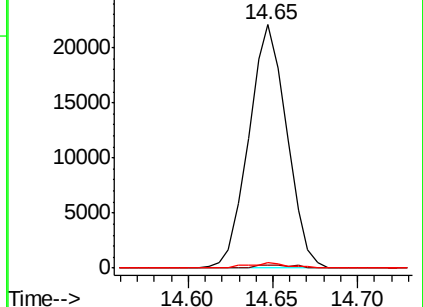
89 2.2 44.6 67.0#

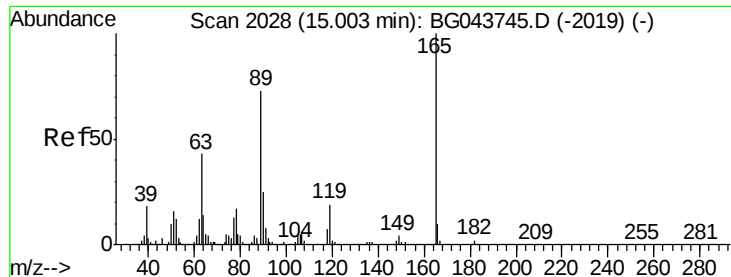


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

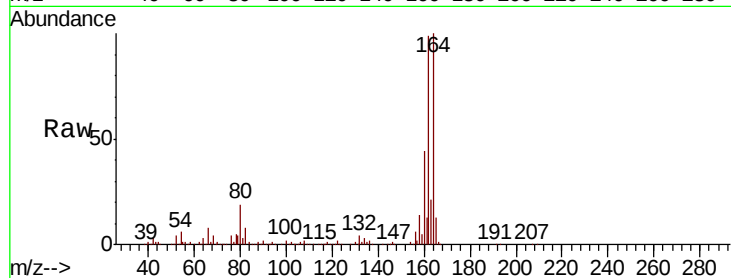




#57
 2,4-Dinitrotoluene
 Concen: 6.393 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.6	51.8#
89	2.2	58.3	87.5#
182	0.0	1.9	2.9#

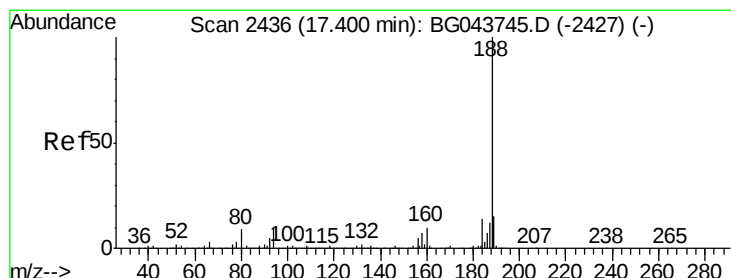
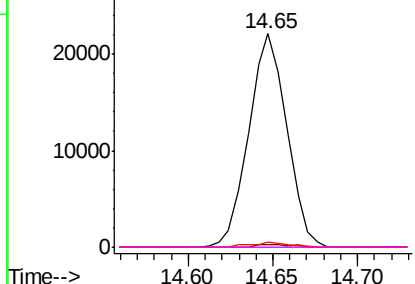
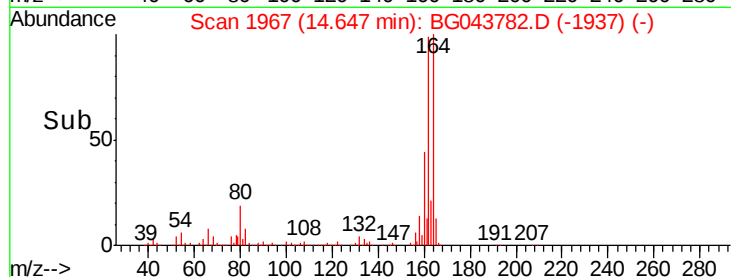


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

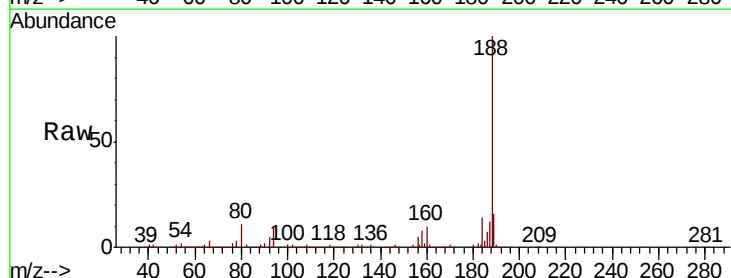
Ion 89.00 (88.70 to 89.70): BGC

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: BG043782.D
 Acq: 26 Nov 2019 17:53

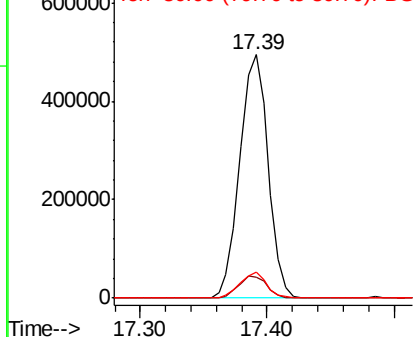
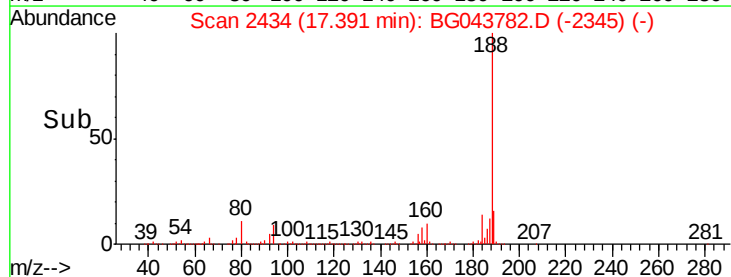
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	10.6	7.5	11.3

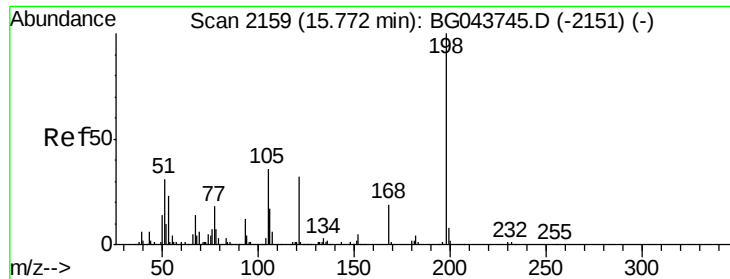


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

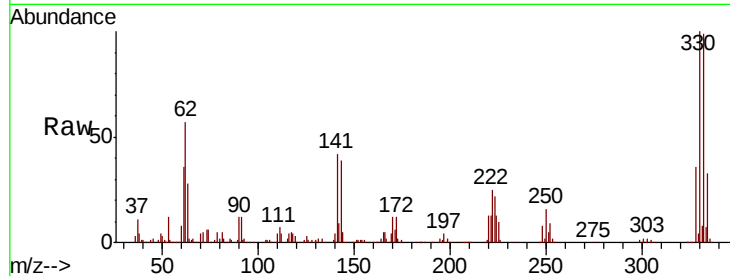




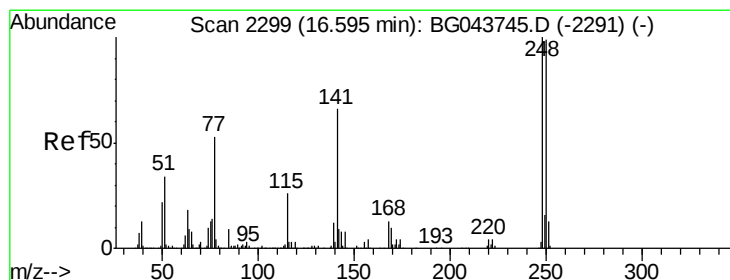
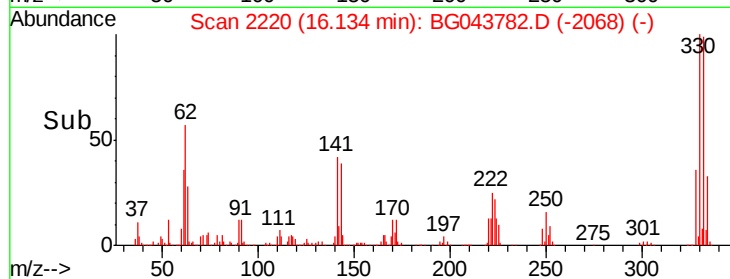
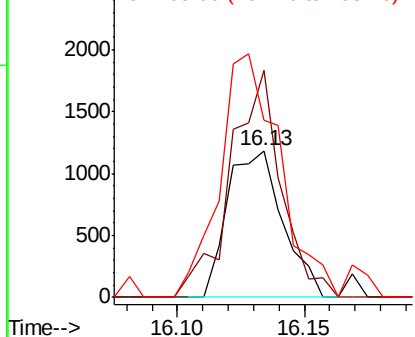
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.821 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.36 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1796
 Ion Ratio Lower Upper
 198 100
 51 154.7 16.8 56.8#
 105 120.7 17.3 57.3#

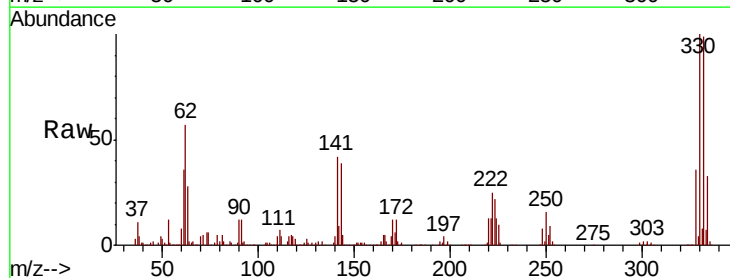


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG043745.D (-2151) (-)
 Ion 105.00 (104.70 to 105.70): E

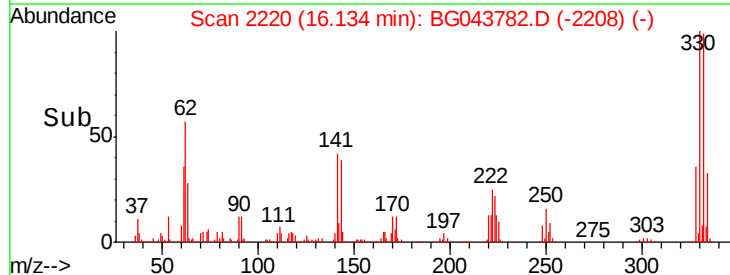
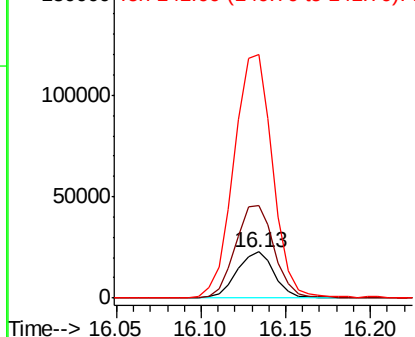


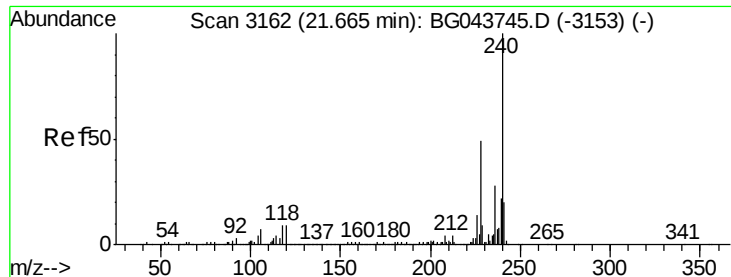
#67
 4-Bromophenyl-phenylether
 Concen: 4.356 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.46 min
 Lab File: BG043782.D
 Acq: 26 Nov 2019 17:53

Tgt Ion:248 Resp: 35145
 Ion Ratio Lower Upper
 248 100
 250 198.7 79.3 118.9#
 141 524.2 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

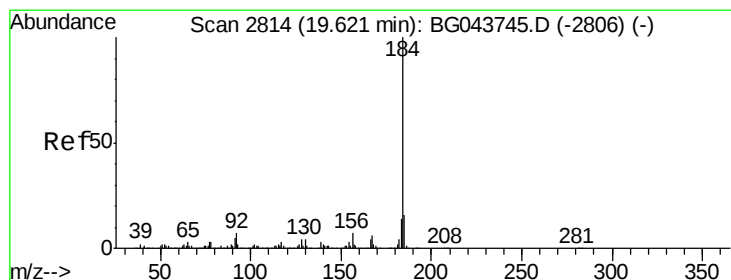
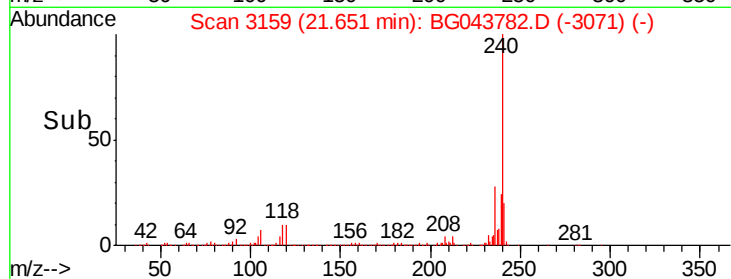
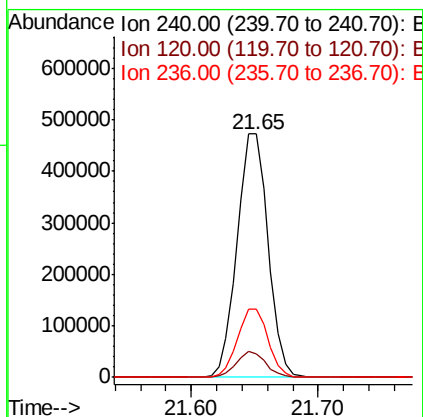
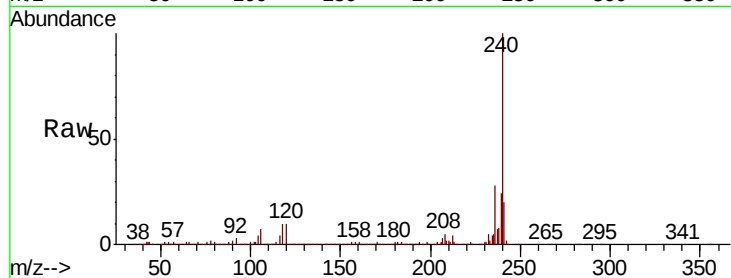




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

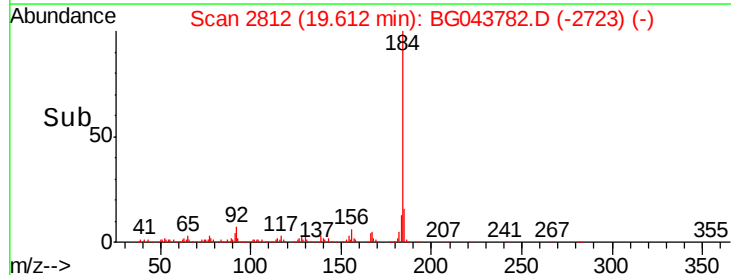
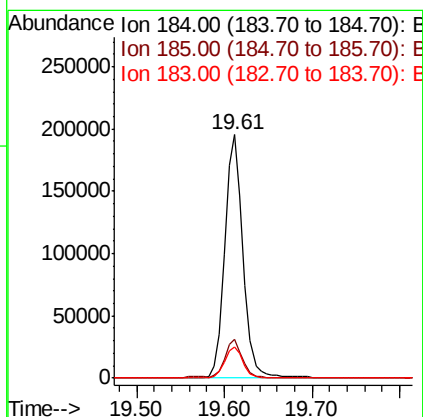
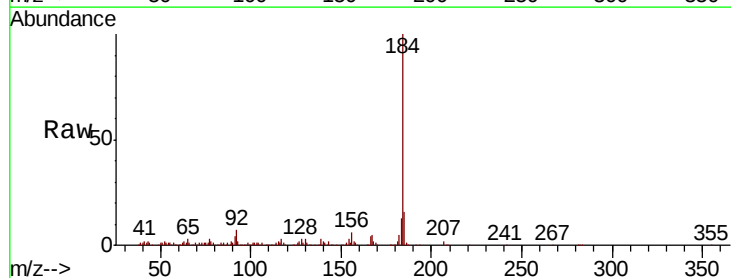
Instrument :
BNA_G
ClientSampleId :

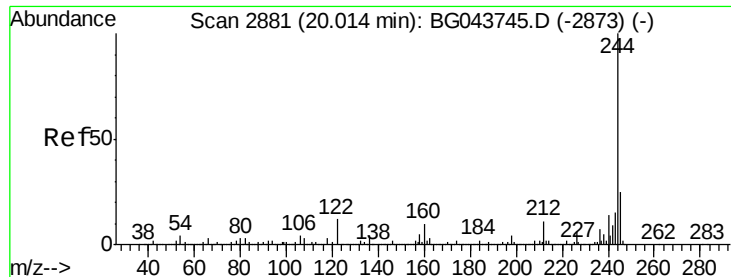
Tot Ion:240 Resp: 800822
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 27.9 22.6 34.0



#77
Benzidine
Concen: 12.073 ng
RT: 19.61 min Scan# 2812
Delta R.T. -0.01 min
Lab File: BG043782.D
Acq: 26 Nov 2019 17:53

Tgt Ion:184 Resp: 282412
Ion Ratio Lower Upper
184 100
185 15.8 12.8 19.2
183 12.9 11.3 16.9





#79

Terphenyl-d14

Concen: 81.002 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043782.D

Acq: 26 Nov 2019 17:53

Instrument :

BNA_G

ClientSampled :

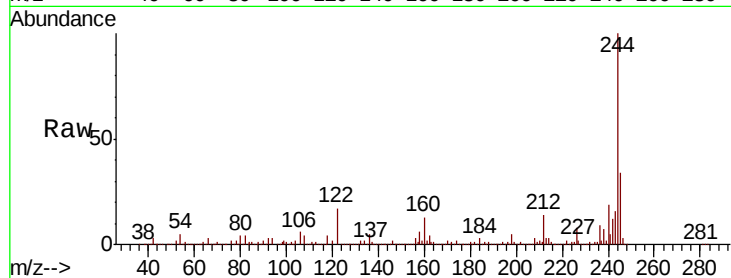
Tot Ion:244 Resp: 2870741

Ion Ratio Lower Upper

244 100

212 13.9 8.5 12.7#

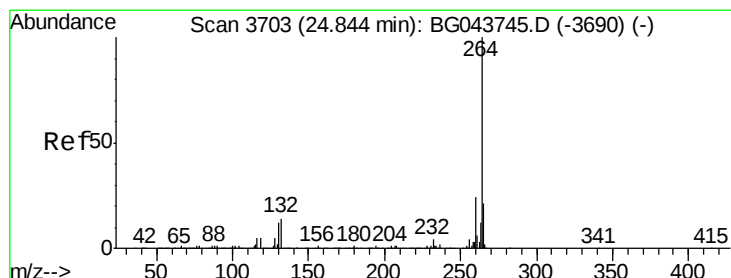
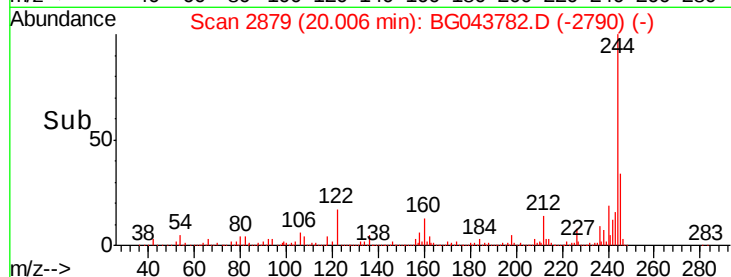
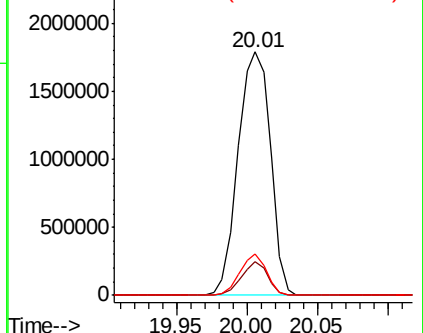
122 17.1 9.5 14.3#



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: BG043782.D

Acq: 26 Nov 2019 17:53

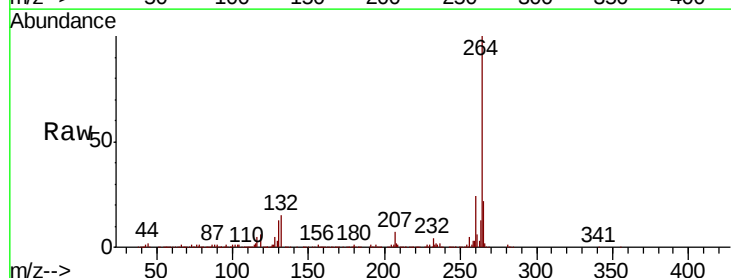
Tgt Ion:264 Resp: 759299

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 22.4 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

