

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112519\
 Data File : BG043771.D
 Acq On : 25 Nov 2019 16:17
 Operator : JU
 Sample : K5668-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-112119

Quant Time: Nov 26 00:25:29 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	73345	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	357885	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	278805	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	807474	20.00	ng	0.00
76) Chrysene-d12	21.66	240	817972	20.00	ng	-0.01
87) Perylene-d12	24.83	264	752630	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	651117	159.60	ng	0.00
7) Phenol-d6	7.18	99	973154	164.09	ng	0.00
23) Nitrobenzene-d5	9.18	82	551873	84.79	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	487510	144.97	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	1354510	79.86	ng	-0.01
79) Terphenyl-d14	20.01	244	2948261	81.45	ng	0.00

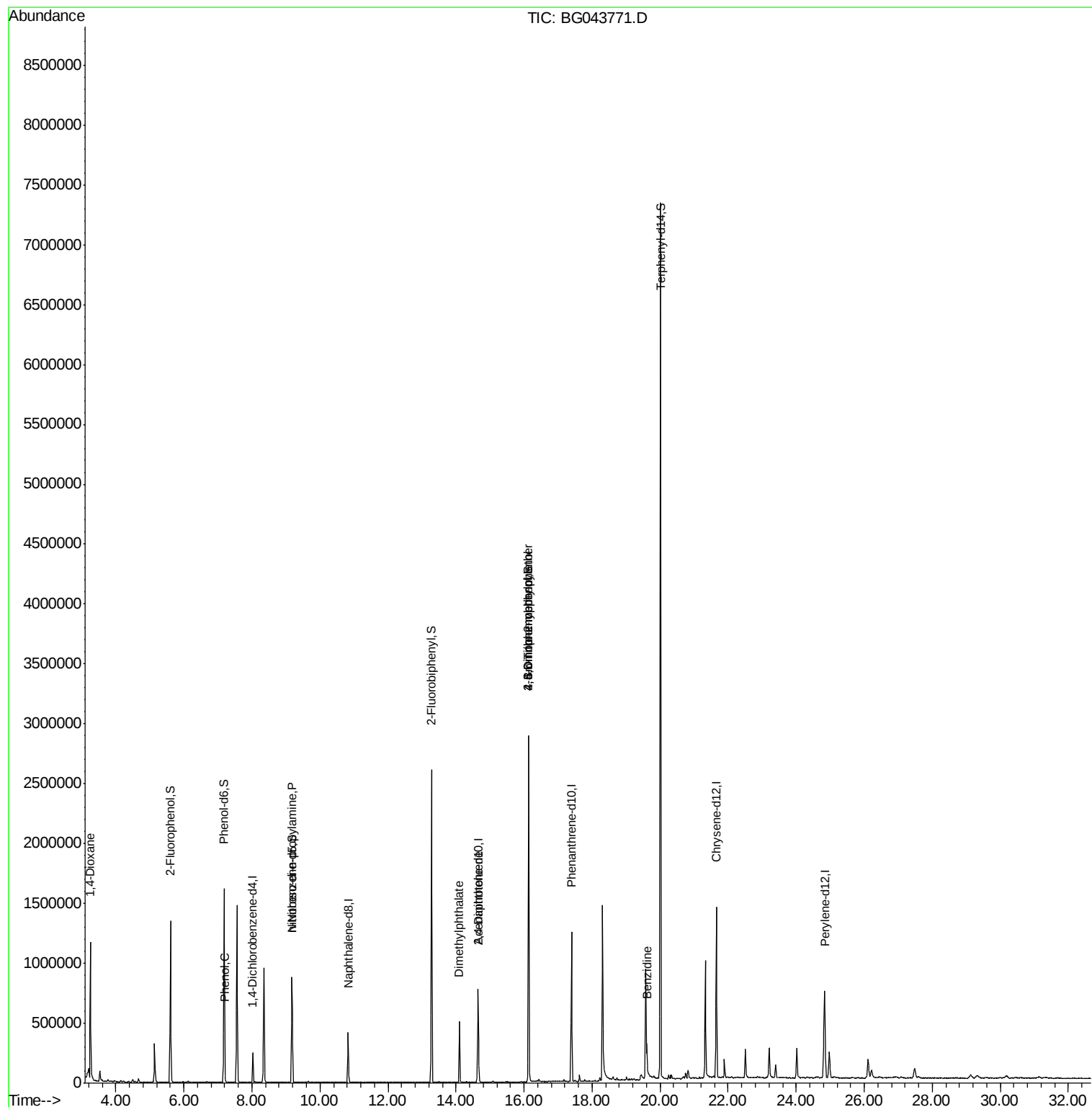
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	9604	5.309	ng	# 1
10) Phenol	7.21	94	22922	3.765	ng	# 96
19) n-Nitroso-di-n-propylamine	9.18	70	73908	15.847	ng	# 73
50) Dimethylphthalate	14.10	163	345046	15.623	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	35836	6.300	ng	# 24
60) Diethylphthalate	15.47	149	1580	Below Cal		# 89
65) 4,6-Dinitro-2-methylphenol	16.14	198	2270	4.960	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	37897	4.450	ng	# 1
73) Carbazole	17.78	167	1320	Below Cal		# 56
77) Benzidine	19.61	184	120810	5.056	ng	# 98

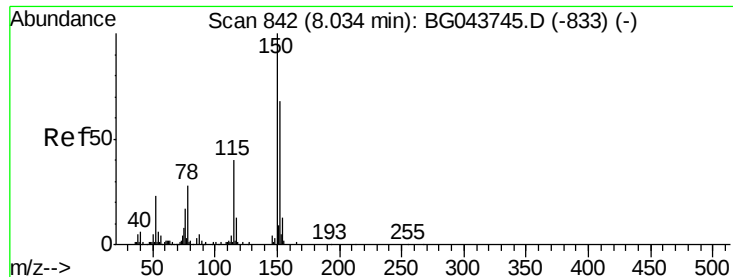
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

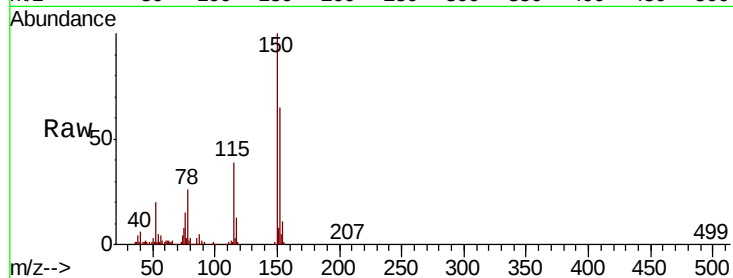
Tot Ion:152 Resp: 73345

Ion Ratio Lower Upper

152 100

150 153.2 117.8 176.8

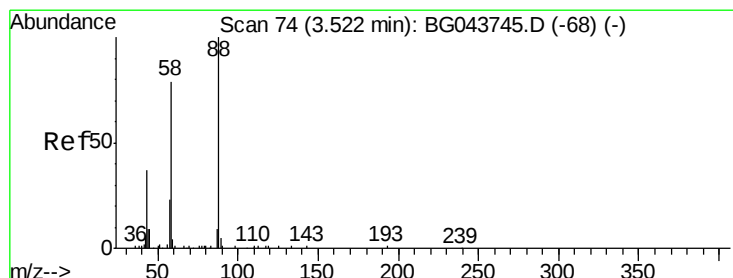
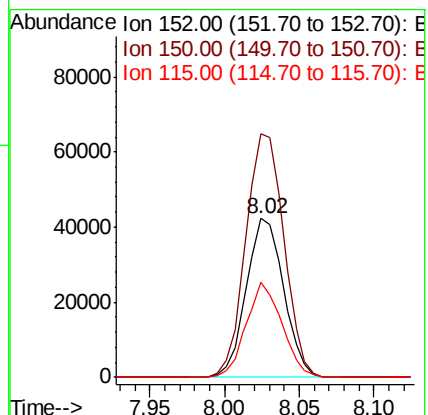
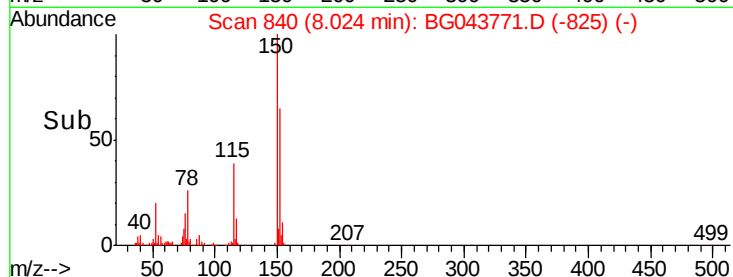
115 60.2 47.0 70.4



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: 5.309 ng

RT: 3.25 min Scan# 27

Delta R.T. -0.27 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

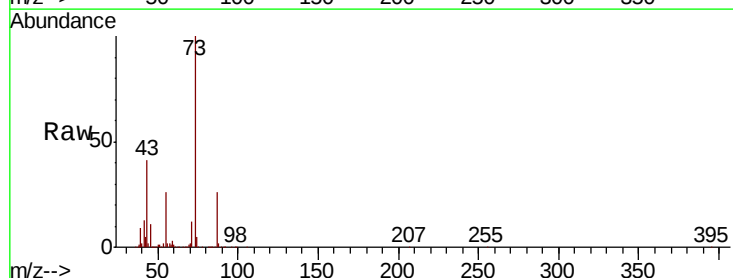
Tgt Ion: 88 Resp: 9604

Ion Ratio Lower Upper

88 100

58 34.0 62.3 93.5#

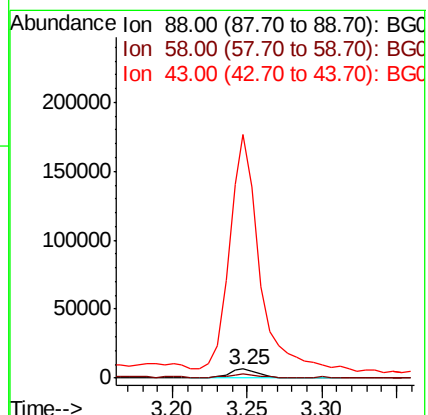
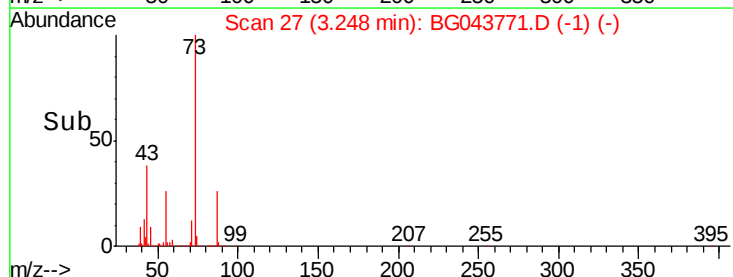
43 2591.7 28.9 43.3#

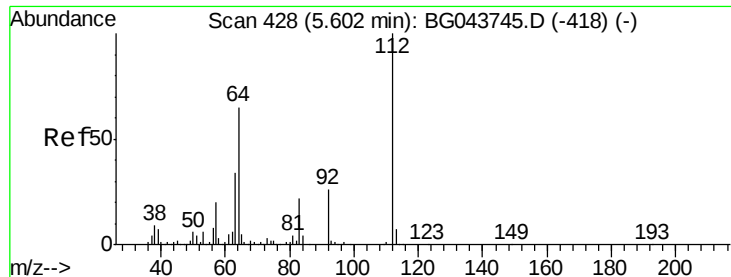


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 159.597 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

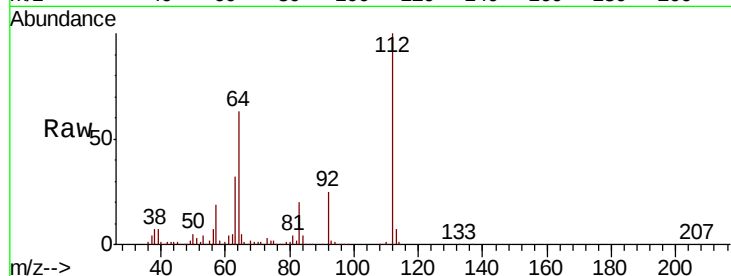
Tot Ion:112 Resp: 651117

Ion Ratio Lower Upper

112 100

64 63.2 51.7 77.5

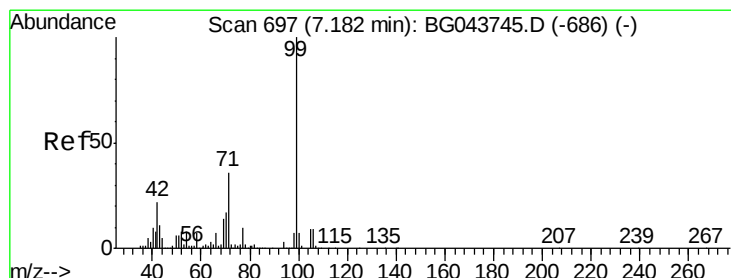
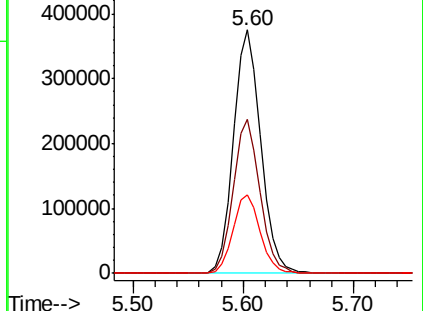
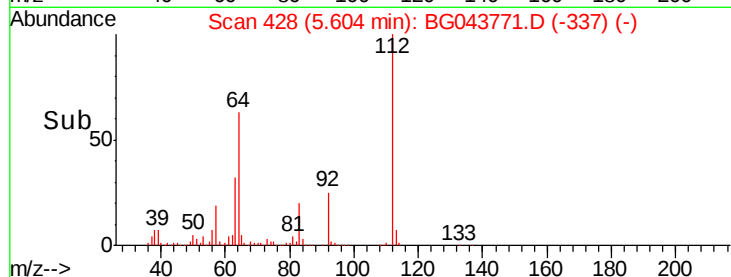
63 32.1 26.8 40.2



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: 164.090 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

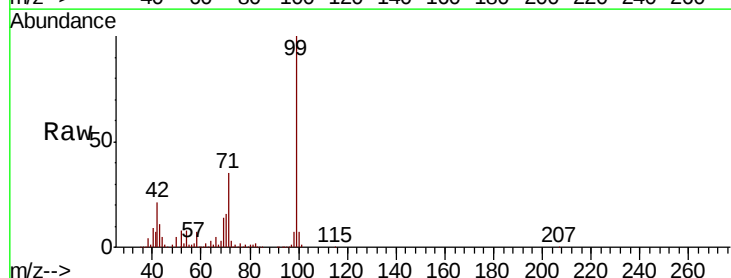
Tgt Ion: 99 Resp: 973154

Ion Ratio Lower Upper

99 100

42 21.0 17.4 26.0

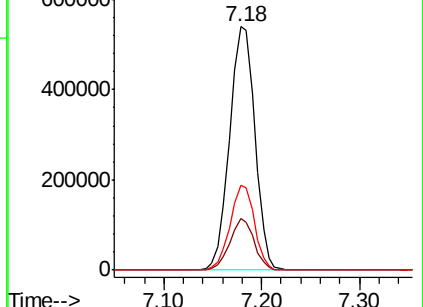
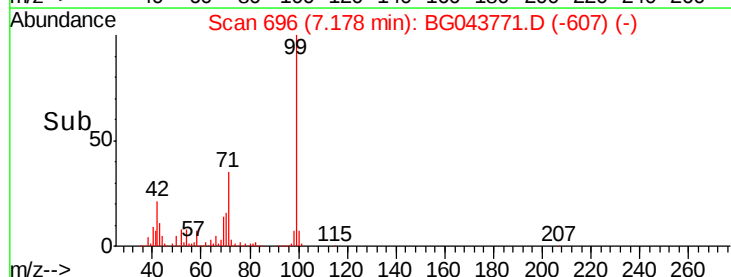
71 35.0 29.5 44.3

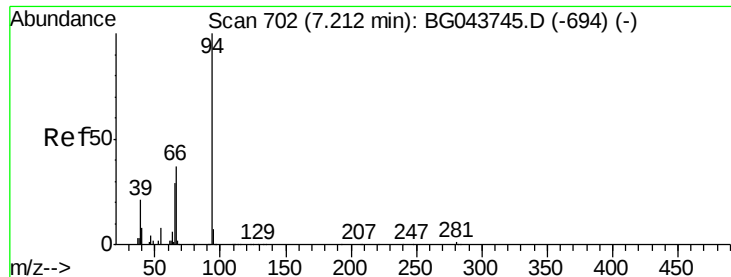


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.765 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

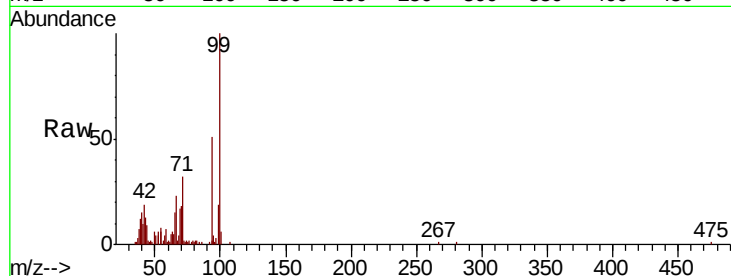
Tot Ion: 94 Resp: 22922

Ion Ratio Lower Upper

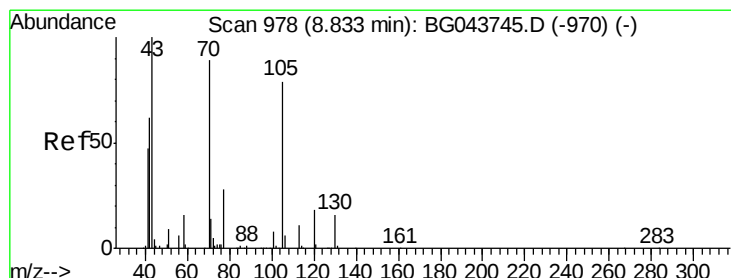
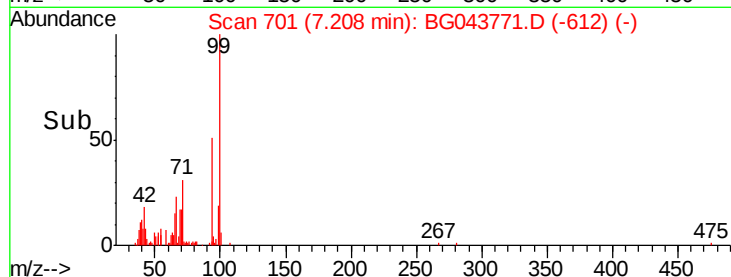
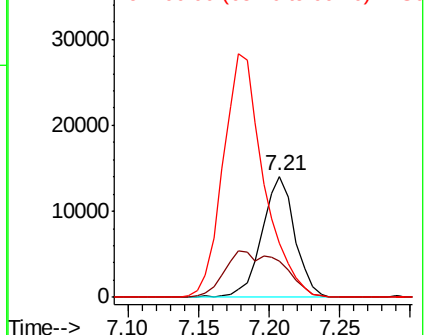
94 100

65 30.1 10.3 50.3

66 44.3 20.5 60.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.847 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Tgt Ion: 70 Resp: 73908

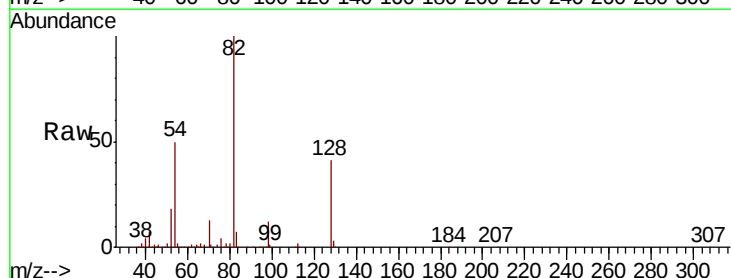
Ion Ratio Lower Upper

70 100

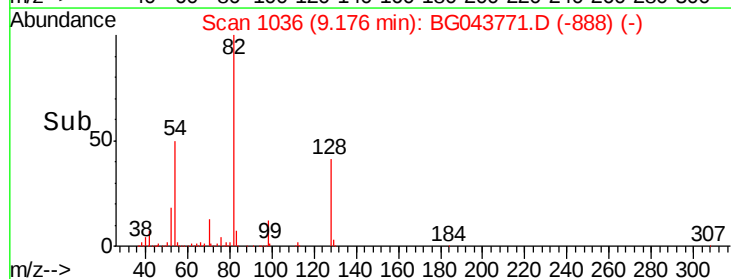
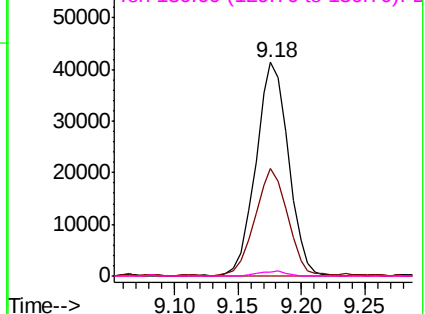
42 50.5 56.4 84.6#

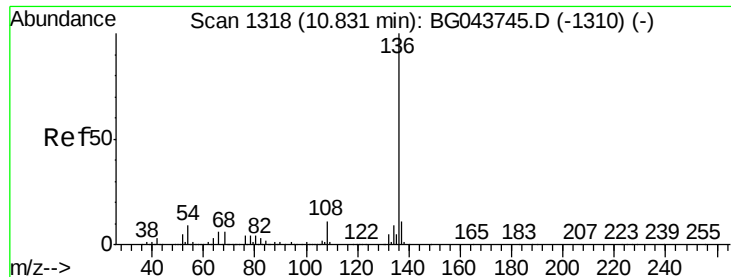
101 0.0 6.7 10.1#

130 1.5 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

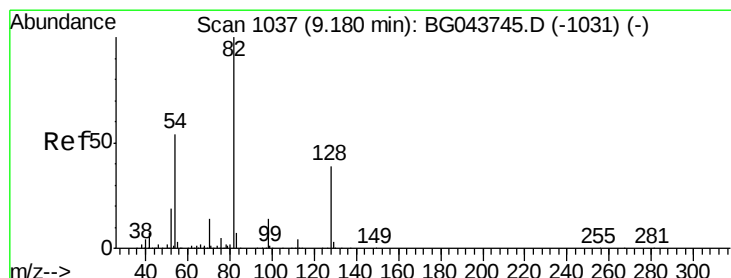
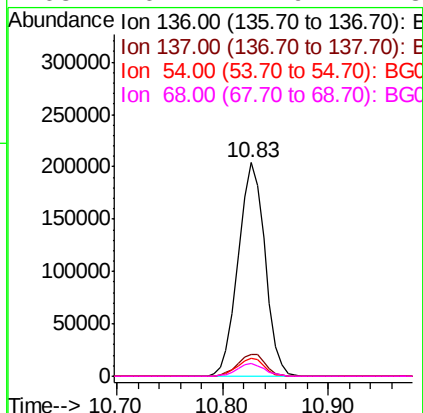
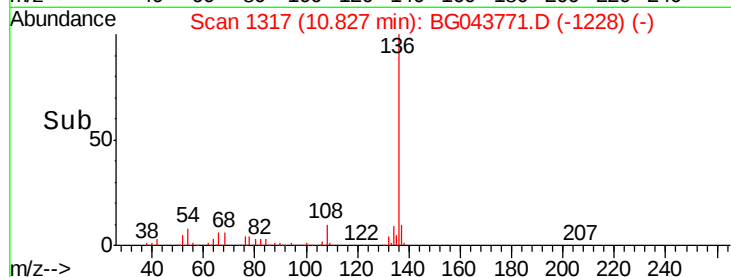
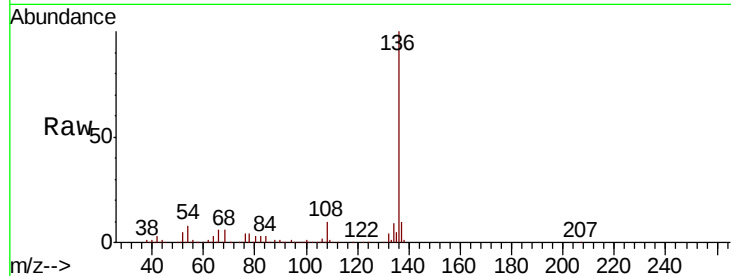




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

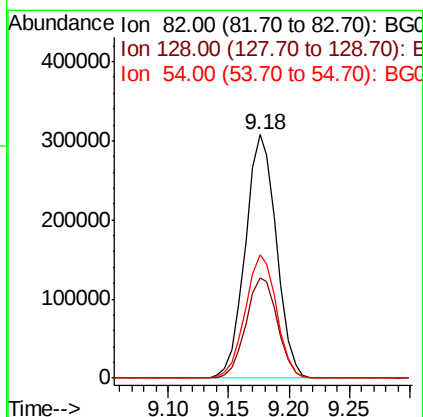
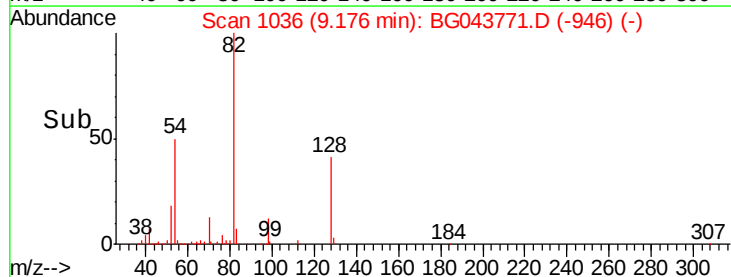
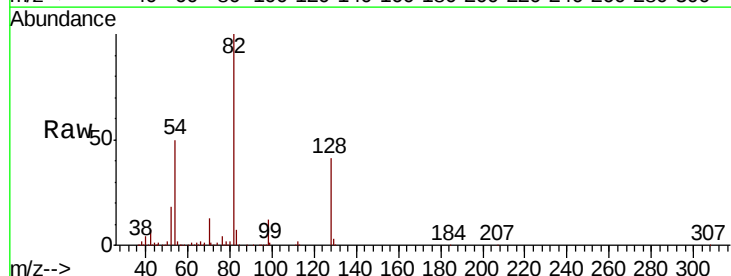
Instrument :
BNA_G
ClientSampleId :
HD-01-112119

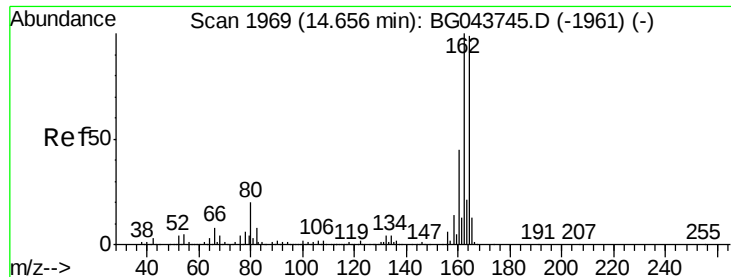
Tot Ion:136	Resp:	357885	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	8.8	13.2	
54 8.5	7.5	11.3	
68 6.2	4.9	7.3	



#23
Nitrobenzene-d5
Concen: 84.785 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

Tgt Ion: 82	Resp: 551873
Ion Ratio	Lower Upper
82 100	
128 41.1	31.3 46.9
54 50.5	42.7 64.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

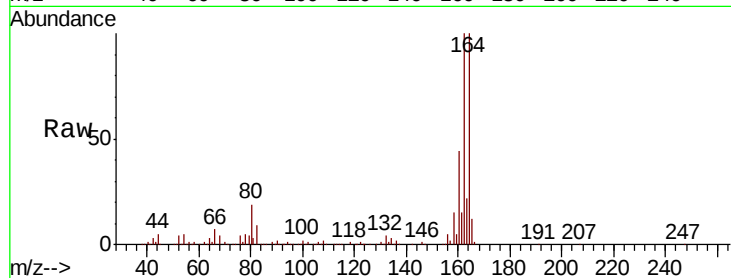
Tot Ion:164 Resp: 278805

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

160 44.5 36.3 54.5

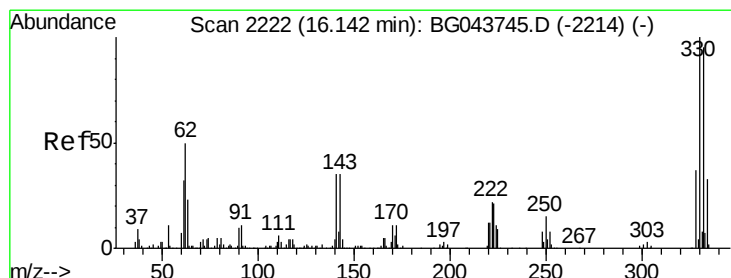
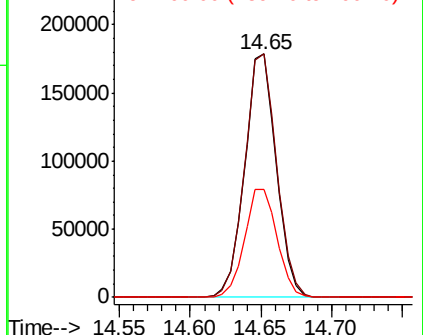
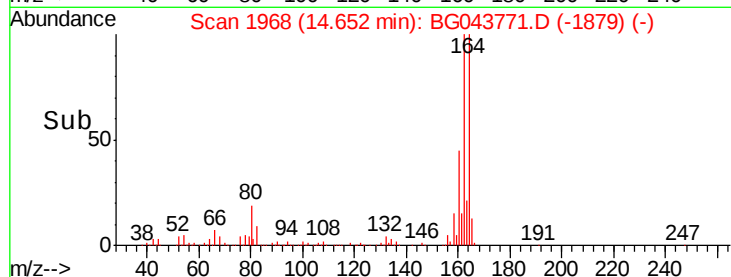


Abundance

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: 144.971 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

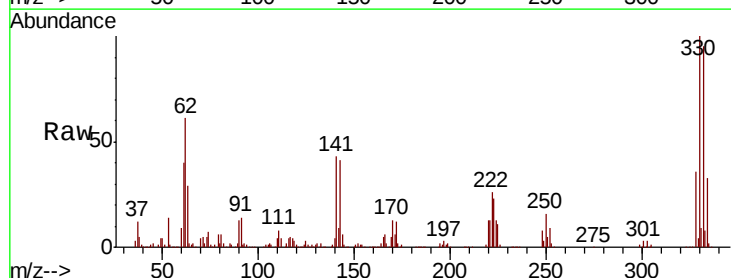
Tgt Ion:330 Resp: 487510

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 41.1 31.4 47.2

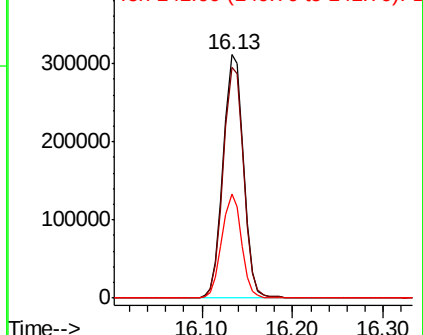
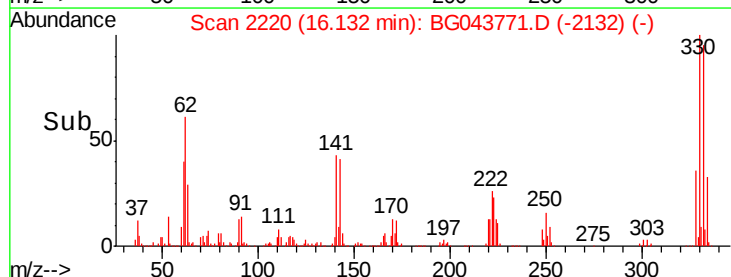


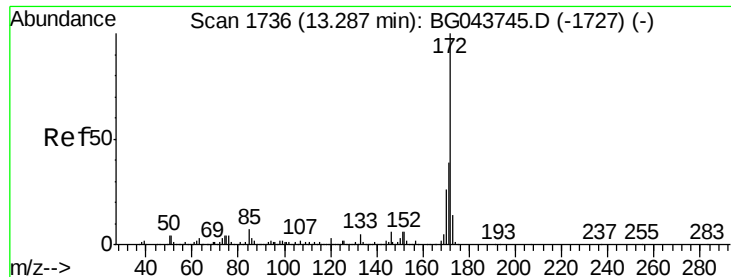
Abundance

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

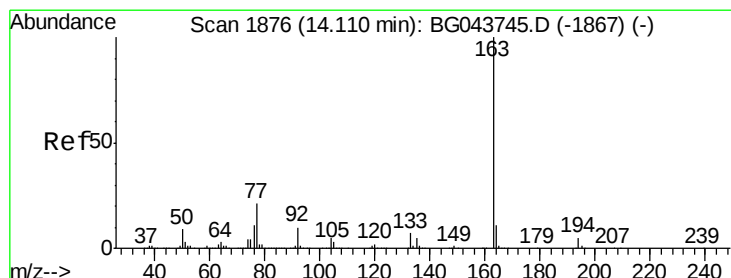
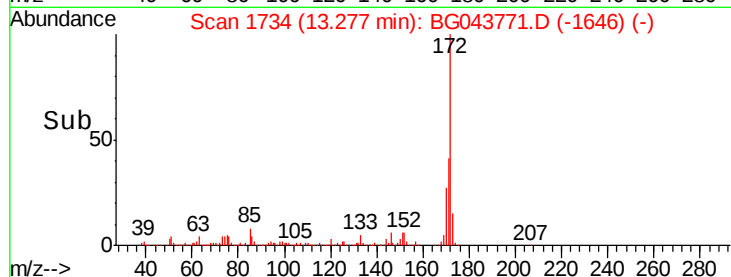
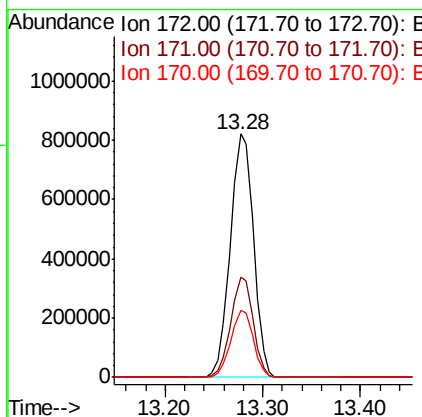
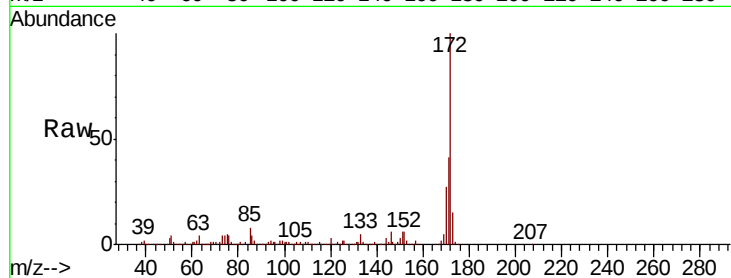




#45
2-Fluorobiphenyl
Concen: 79.860 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

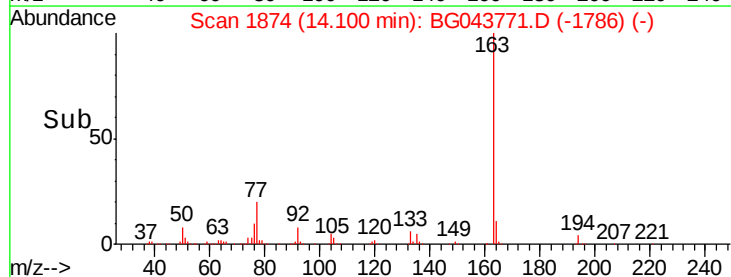
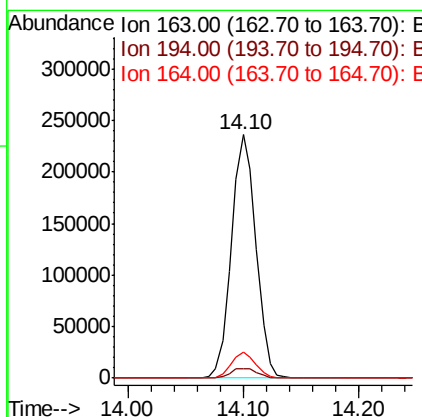
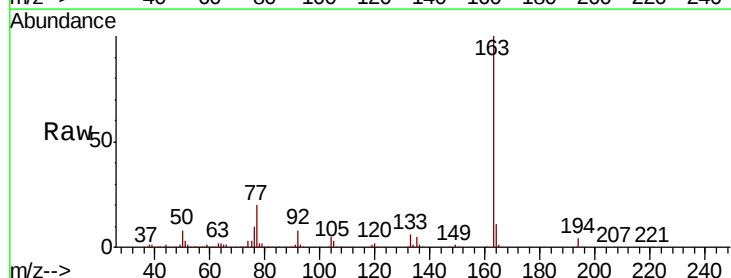
Instrument :
BNA_G
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HD-01-112119

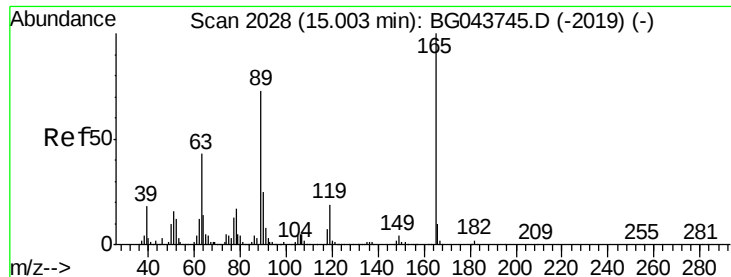
Tot Ion:172 Resp: 1354510
Ion Ratio Lower Upper
172 100
171 41.0 31.0 46.6
170 27.3 21.0 31.4



#50
Dimethylphthalate
Concen: 15.623 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

Tgt Ion:163 Resp: 345046
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 10.7 8.7 13.1

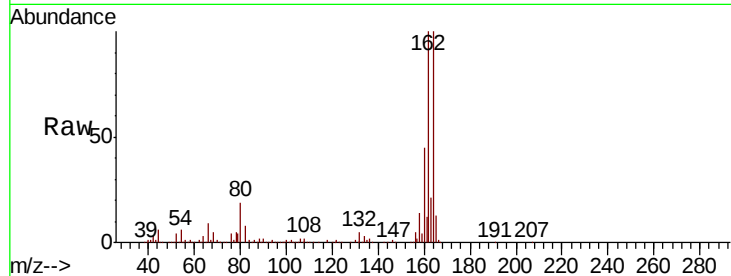




#57
2,4-Dinitrotoluene
Concen: 6.300 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.36 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

Instrument :
BNA_G
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	51.8#
89	1.6	58.3	87.5#
182	0.0	1.9	2.9#

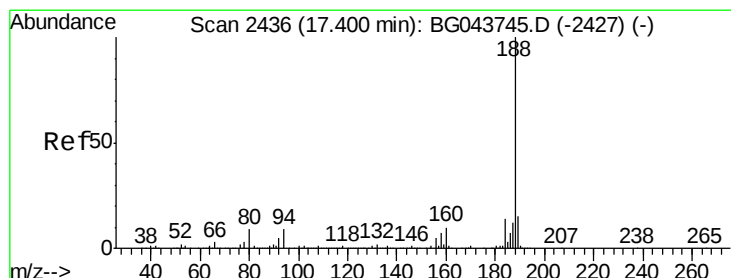
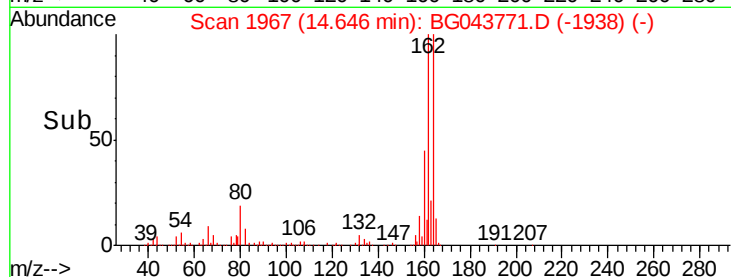
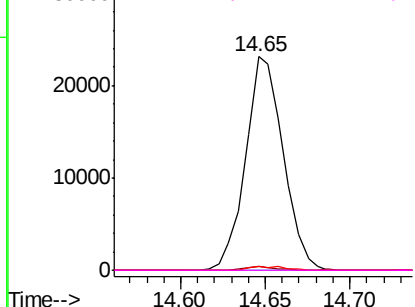


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

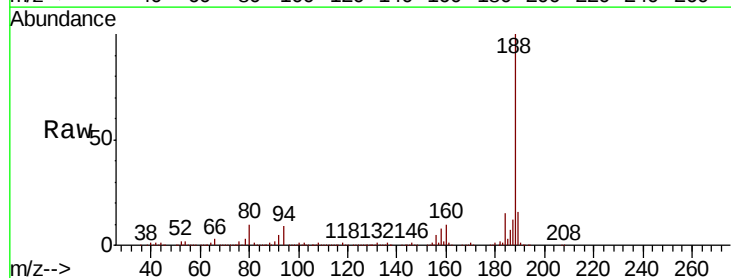
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG043771.D
Acq: 25 Nov 2019 16:17

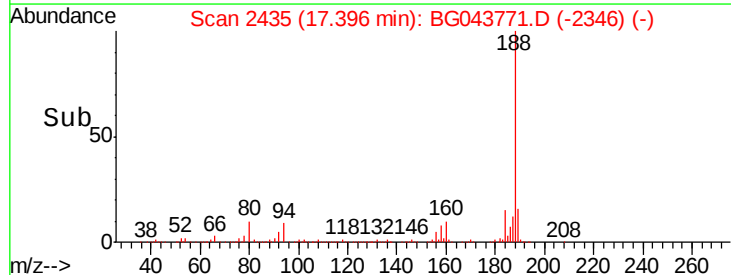
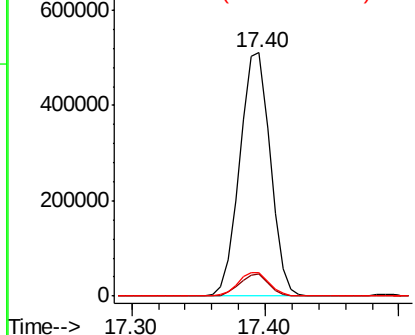
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.7	7.5	11.3

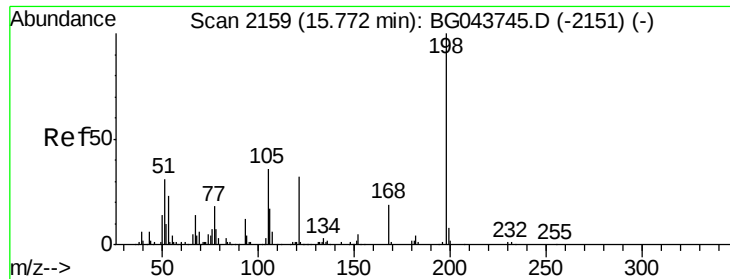


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

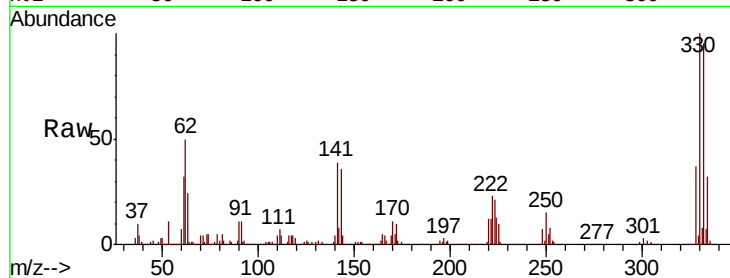




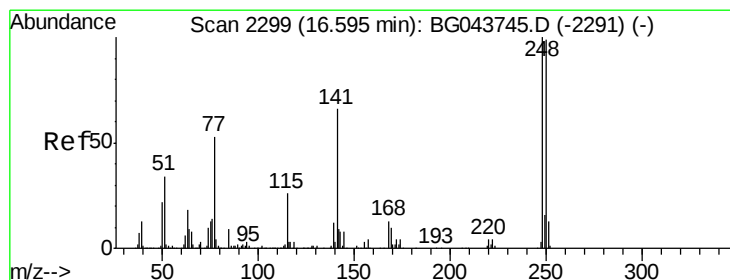
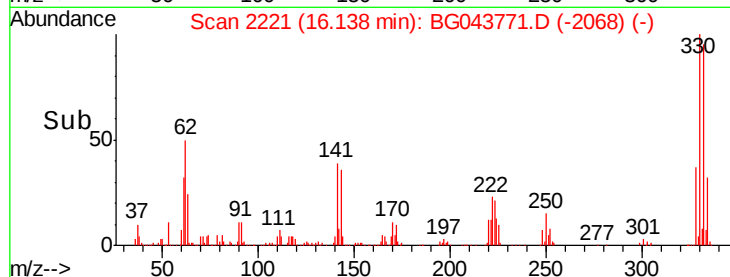
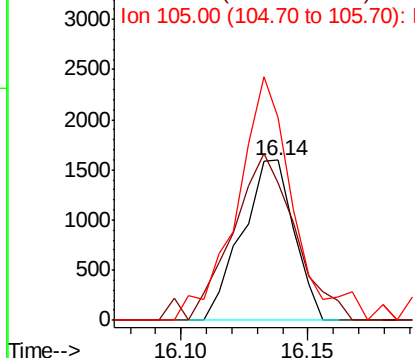
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.960 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.37 min
 Lab File: BG043771.D
 Acq: 25 Nov 2019 16:17

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-112119

Tot Ion:198 Resp: 2270
 Ion Ratio Lower Upper
 198 100
 51 85.9 16.8 56.8#
 105 126.1 17.3 57.3#

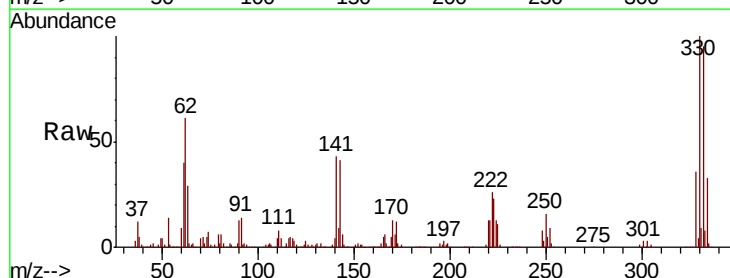


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG043745.D (-2151) (-)
 Ion 105.00 (104.70 to 105.70): E

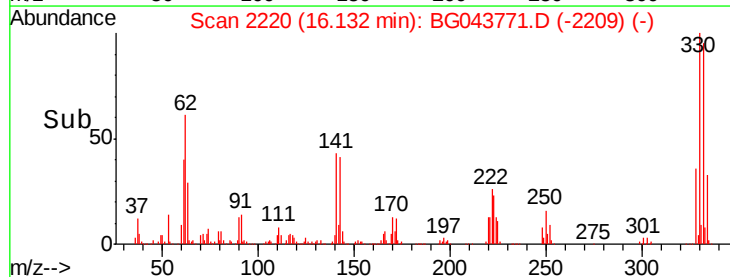
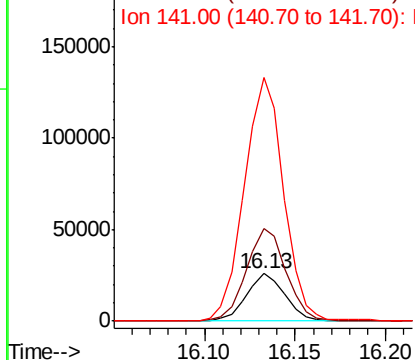


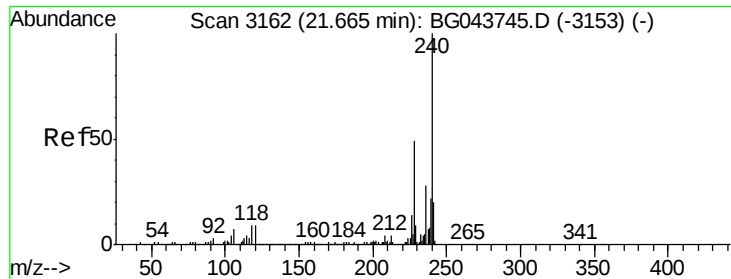
#67
 4-Bromophenyl-phenylether
 Concen: 4.450 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.46 min
 Lab File: BG043771.D
 Acq: 25 Nov 2019 16:17

Tgt Ion:248 Resp: 37897
 Ion Ratio Lower Upper
 248 100
 250 193.6 79.3 118.9#
 141 511.1 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: 21.66 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

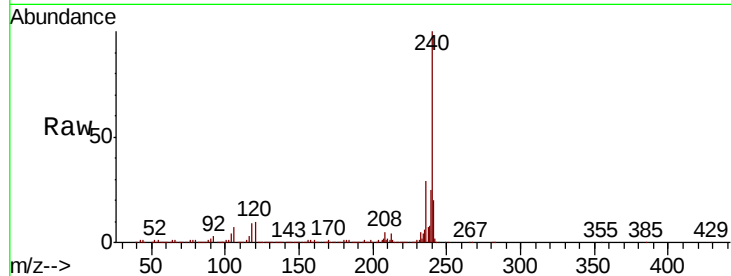
Tot Ion:240 Resp: 817972

Ion Ratio Lower Upper

240 100

120 10.0 7.5 11.3

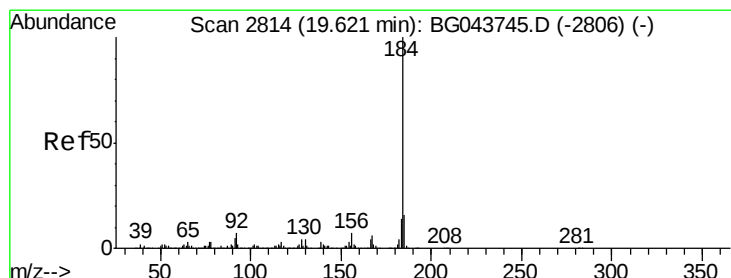
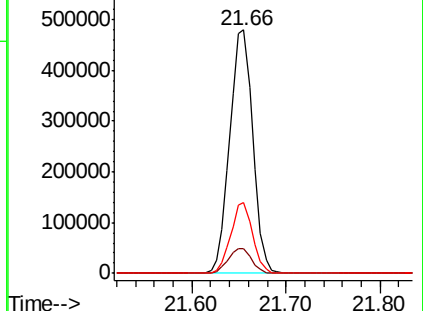
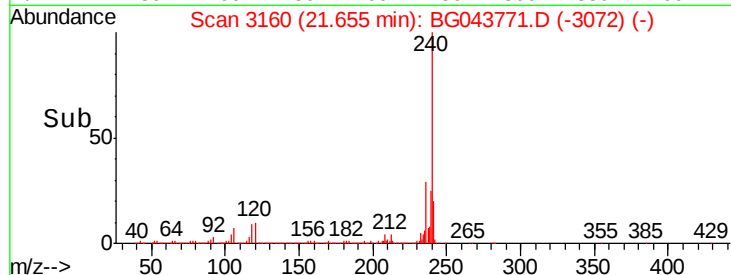
236 28.9 22.6 34.0



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: 5.056 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

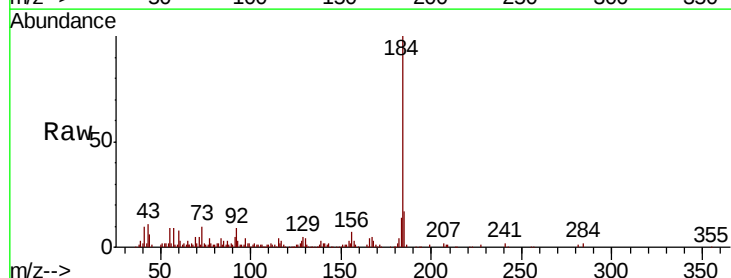
Tgt Ion:184 Resp: 120810

Ion Ratio Lower Upper

184 100

185 17.4 12.8 19.2

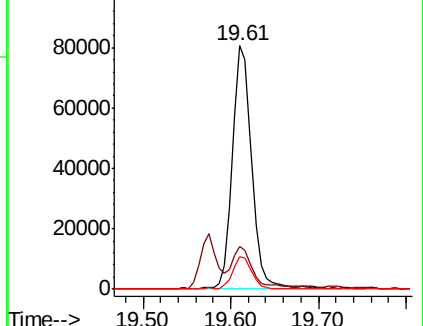
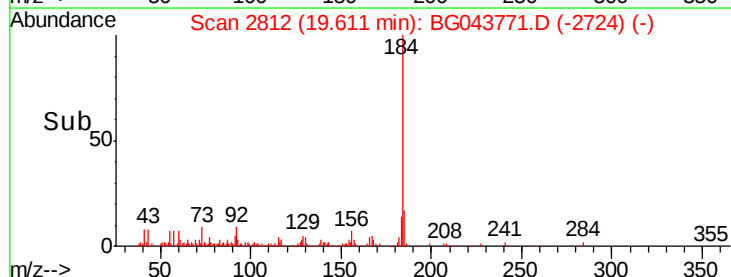
183 13.5 11.3 16.9

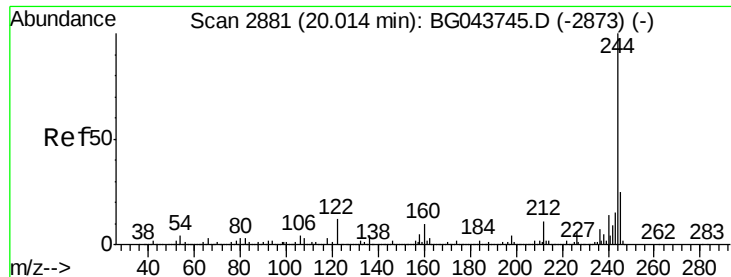


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 81.445 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

Instrument :

BNA_G

ClientSampleId :

HD-01-112119

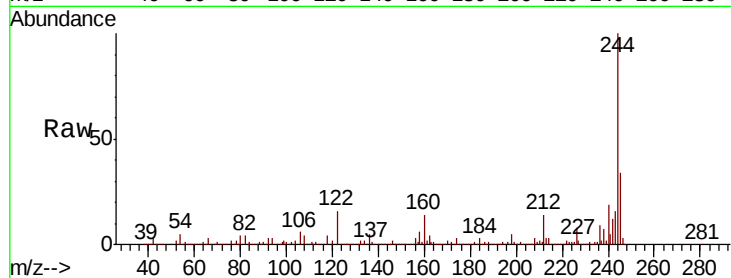
Tot Ion:244 Resp: 2948261

Ion Ratio Lower Upper

244 100

212 14.1 8.5 12.7#

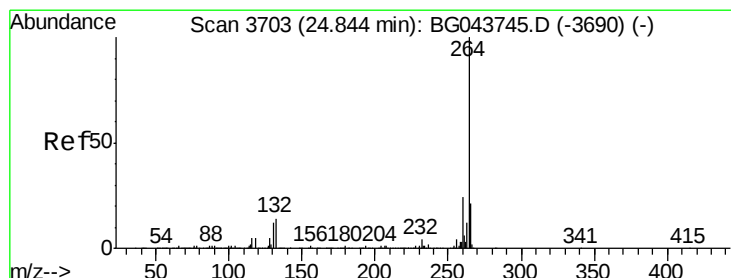
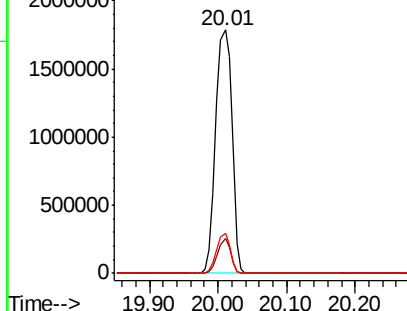
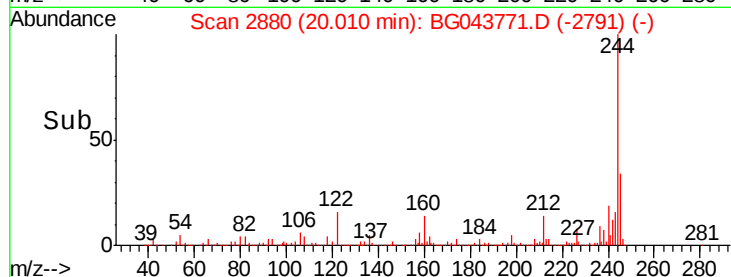
122 16.4 9.5 14.3#



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: 24.83 min Scan# 3701

Delta R.T. -0.01 min

Lab File: BG043771.D

Acq: 25 Nov 2019 16:17

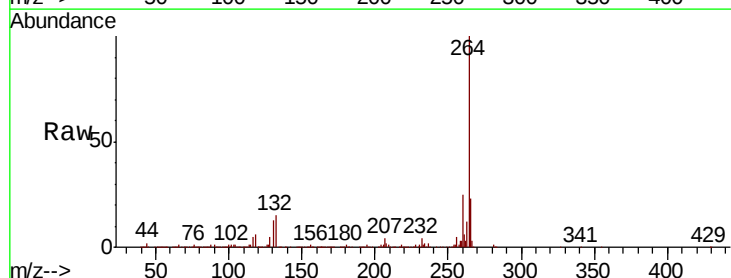
Tgt Ion:264 Resp: 752630

Ion Ratio Lower Upper

264 100

260 25.1 19.4 29.2

265 22.6 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

