

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071219\
 Data File : BG041636.D
 Acq On : 12 Jul 2019 12:23
 Operator : HP/JU
 Sample : K3775-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 12 15:18:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 05:39:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	105362	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	427283	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	271131	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	661712	20.00	ng	0.00
76) Chrysene-d12	21.66	240	650956	20.00	ng	0.00
87) Perylene-d12	24.86	264	736176	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	710717	113.19	ng	0.00
7) Phenol-d6	7.20	99	1003887	118.02	ng	0.00
23) Nitrobenzene-d5	9.21	82	582326	83.06	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	370221	119.41	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1294884	75.08	ng	0.00
79) Terphenyl-d14	20.02	244	1908810	71.67	ng	0.00

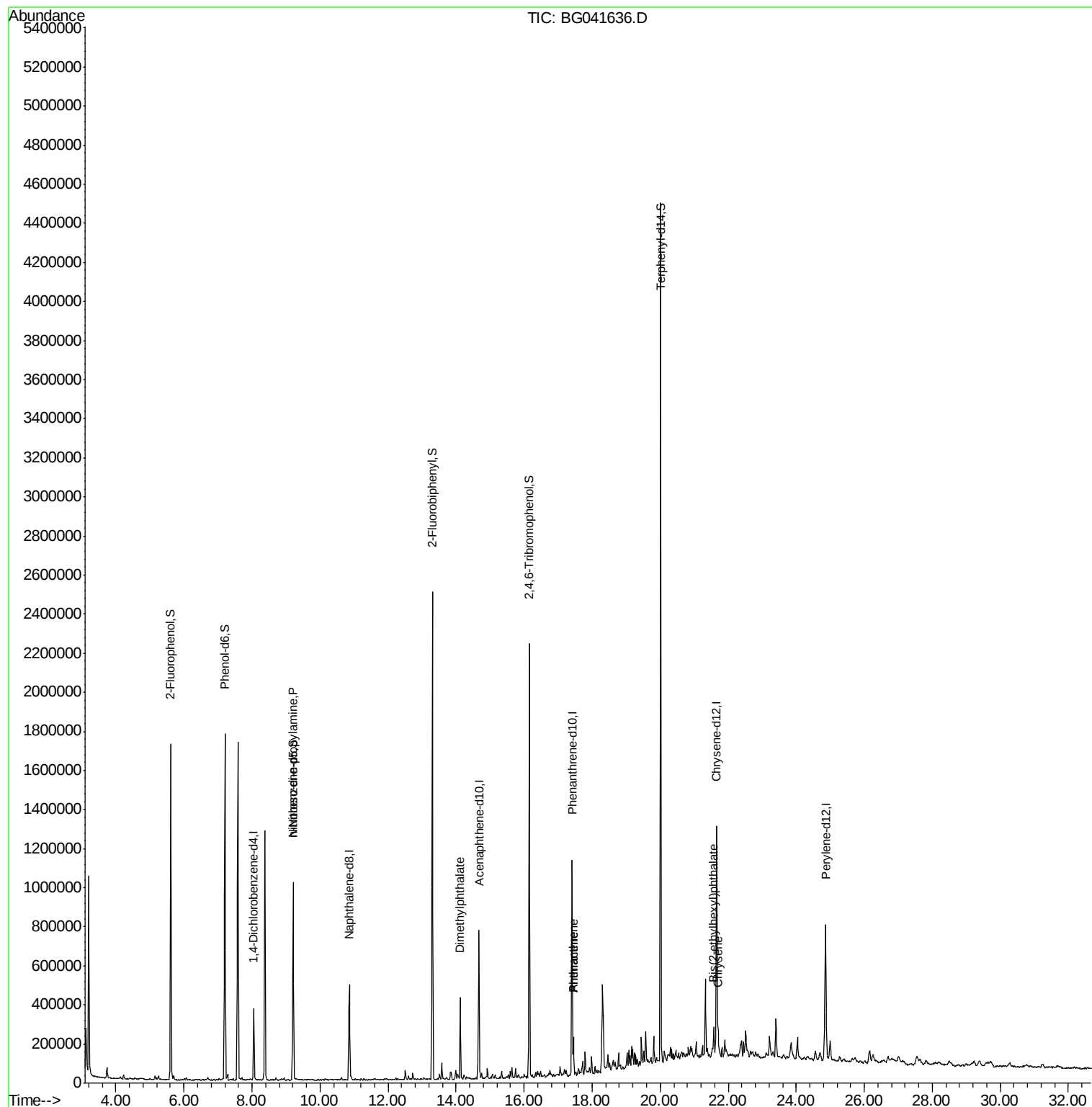
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.21	70	81010	12.967	ng	# 81
50) Dimethylphthalate	14.12	163	275044	12.947	ng	99
65) 4,6-Dinitro-2-methylphenol	15.77	198	244	Below Cal	#	1
66) n-Nitrosodiphenylamine	15.93	169	1652	Below Cal	#	23
67) 4-Bromophenyl-phenylether	16.15	248	29433	Below Cal	#	1
68) Hexachlorobenzene	17.05	284	54	Below Cal	#	1
69) Atrazine	16.85	200	54	Below Cal	#	21
70) Pentachlorophenol	17.05	266	131	Below Cal	#	18
71) Phenanthrene	17.45	178	126491	3.658	ng	99
72) Anthracene	17.45	178	126491	3.498	ng	100
77) Benzidine	19.71	184	3761	Below Cal	#	78
80) Butylbenzylphthalate	20.75	149	357	Below Cal		89
82) 3,3'-Dichlorobenzidine	21.57	252	376	Below Cal	#	63
83) Chrysene	21.71	228	100894	2.517	ng	# 91
84) Bis(2-ethylhexyl)phthalate	21.57	149	57410	2.120	ng	98
86) Indeno(1,2,3-cd)pyrene	28.50	276	30022	Below Cal	#	97

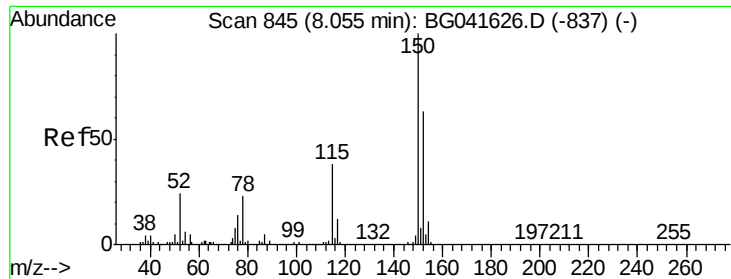
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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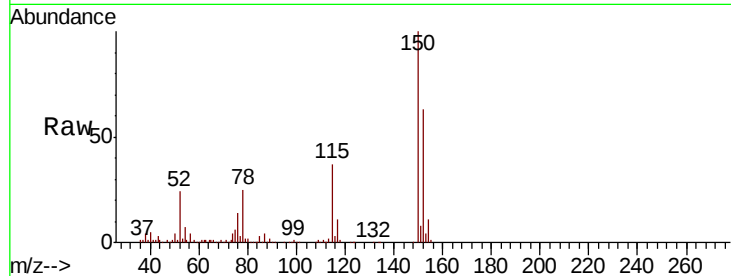


#1

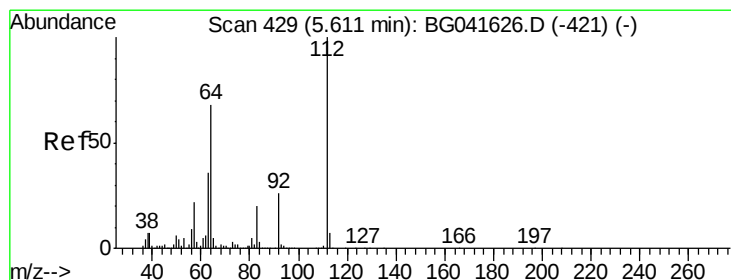
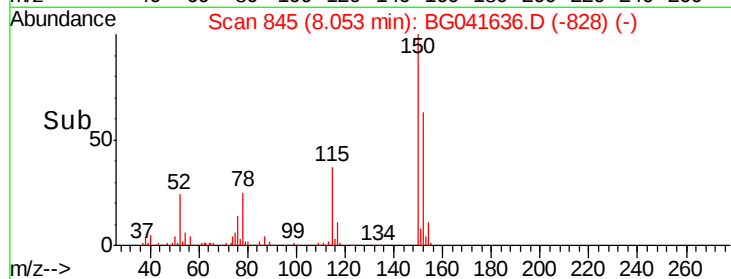
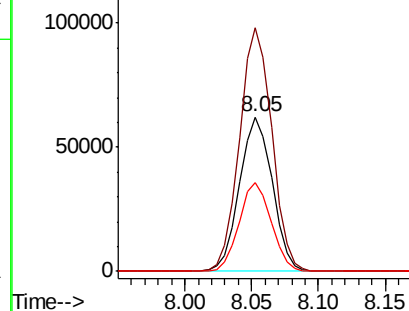
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	120.6	181.0
115	57.9	47.9	71.9



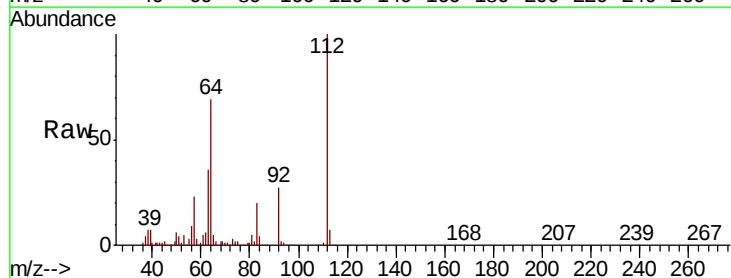
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



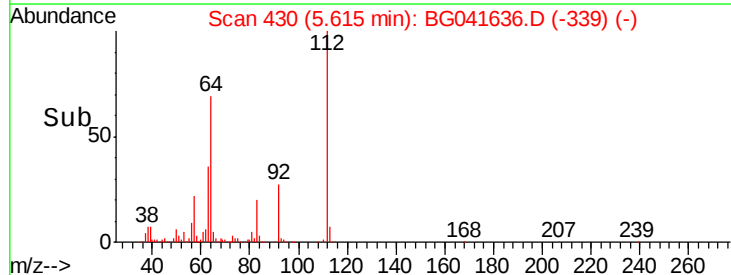
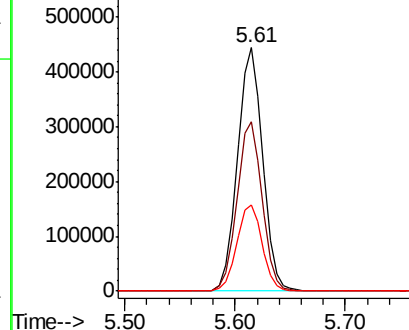
#5

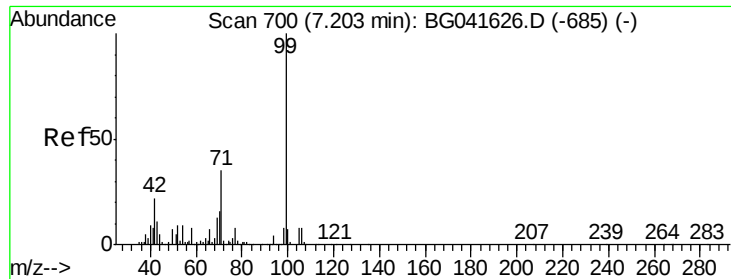
2-Fluorophenol
Concen: 113.195 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	55.9	83.9
63	35.7	34.6	51.8



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: 118.018 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

Instrument :

BNA_G

ClientSampleId :

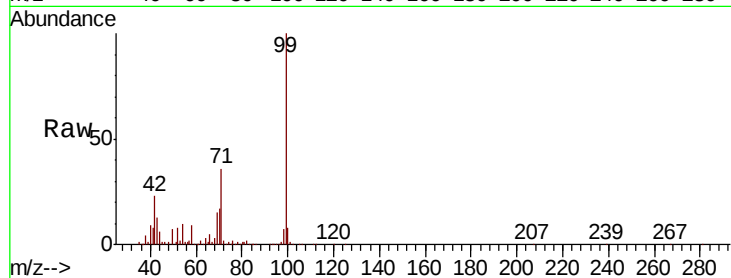
Tot Ion: 99 Resp: 1003887

Ion Ratio Lower Upper

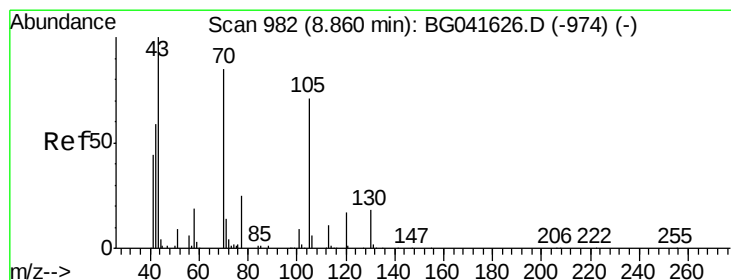
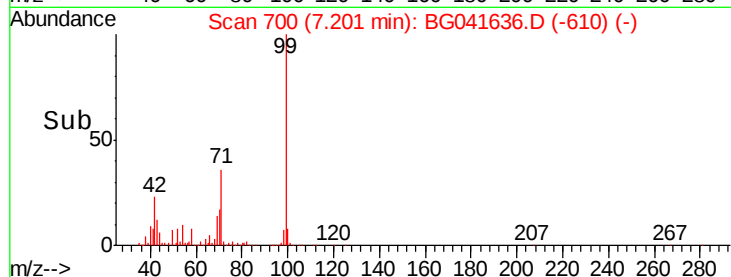
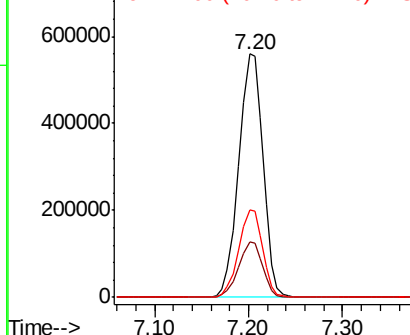
99 100

42 22.8 19.9 29.9

71 36.0 36.4 54.6#



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: 12.967 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

Tgt Ion: 70 Resp: 81010

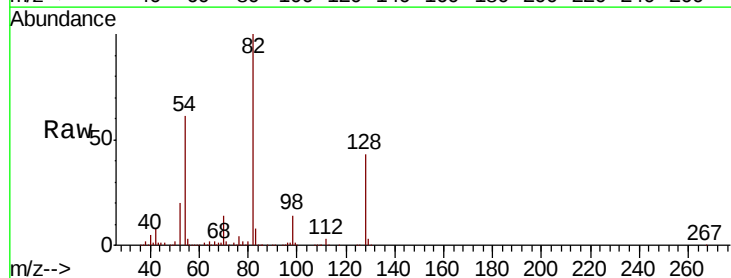
Ion Ratio Lower Upper

70 100

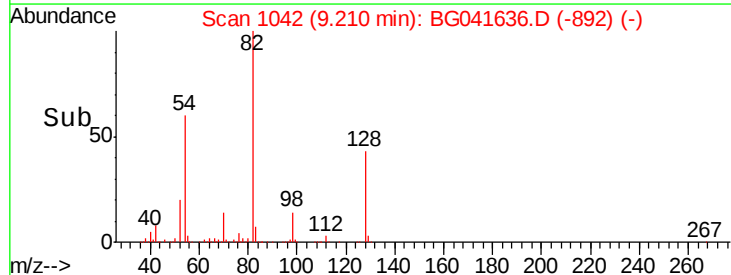
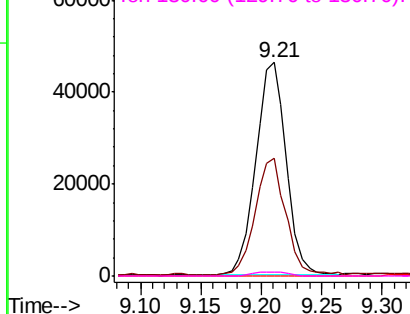
42 55.4 51.4 77.2

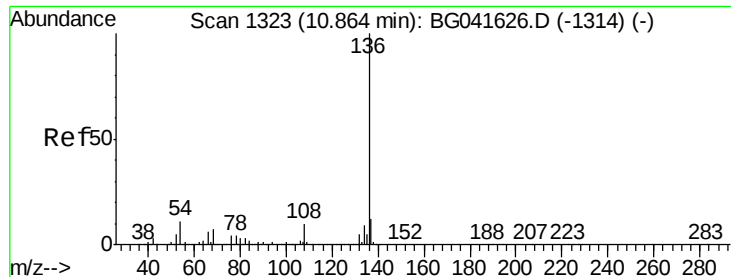
101 0.0 8.2 12.2#

130 1.6 15.2 22.8#



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: 10.86 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG041636.D

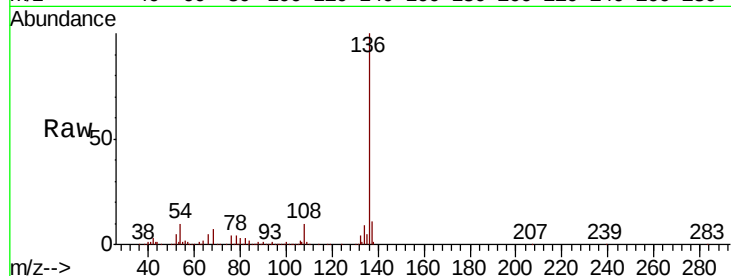
Acq: 12 Jul 2019 12:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	427283
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	10.3	6.4 9.6#
68	6.8	4.8 7.2

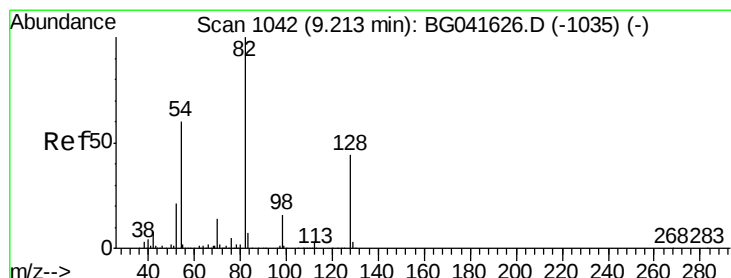
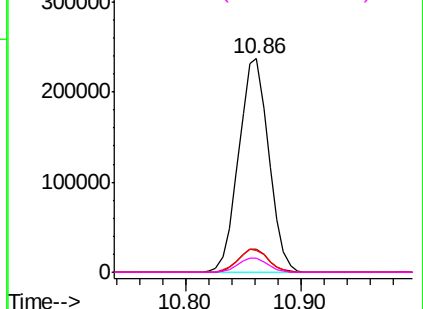
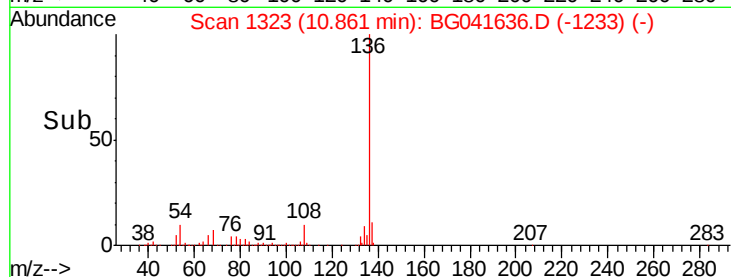


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.058 ng

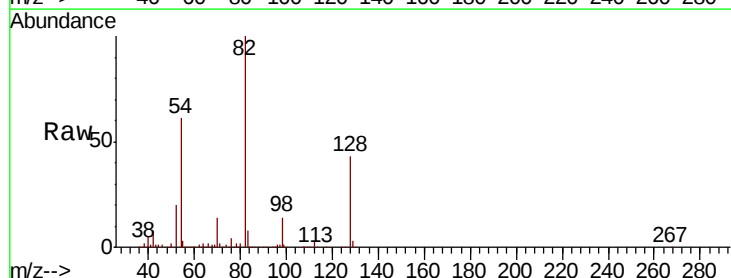
RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

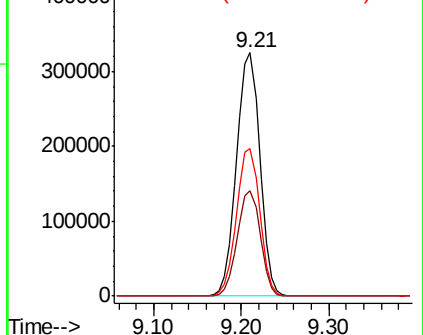
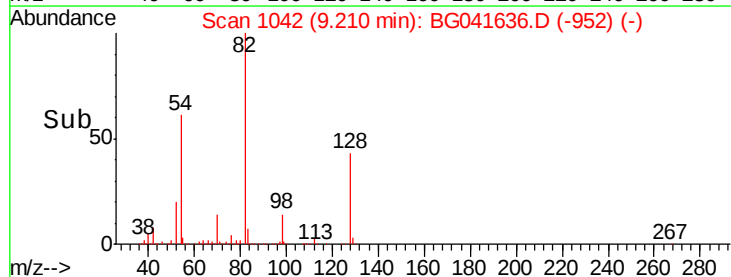
Tgt Ion: 82	Resp:	582326
Ion Ratio	Lower	Upper
82	100	
128	43.4	29.2 43.8
54	60.5	43.4 65.0

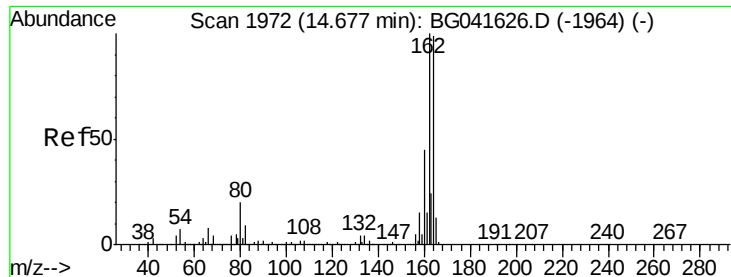


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.67 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

Instrument :

BNA_G

ClientSampleId :

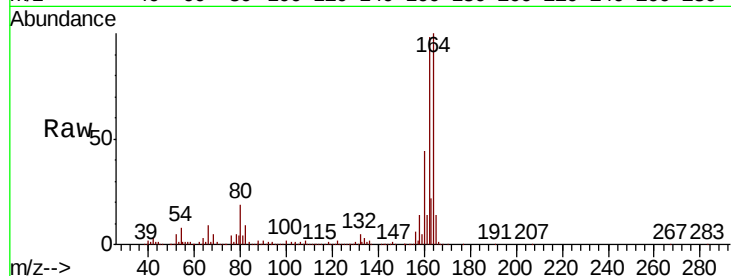
Tot Ion:164 Resp: 271131

Ion Ratio Lower Upper

164 100

162 97.9 82.8 124.2

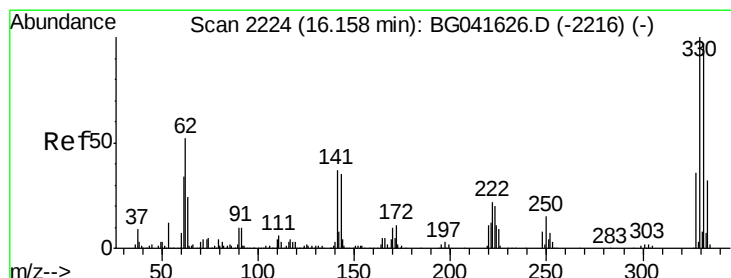
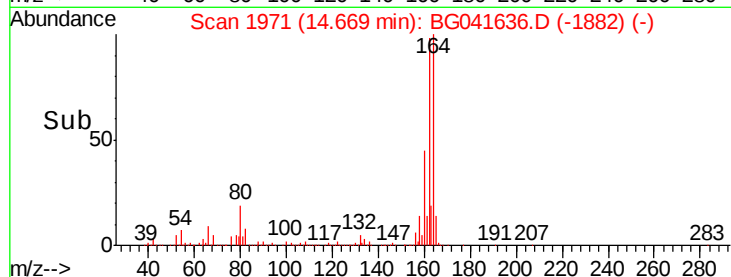
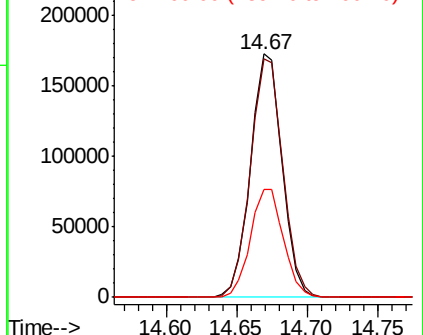
160 44.5 35.8 53.8



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: 119.409 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

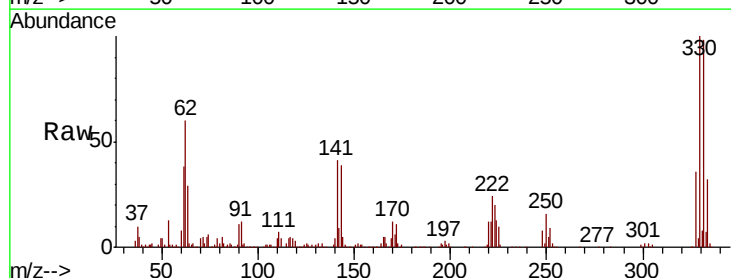
Tgt Ion:330 Resp: 370221

Ion Ratio Lower Upper

330 100

332 96.3 75.5 113.3

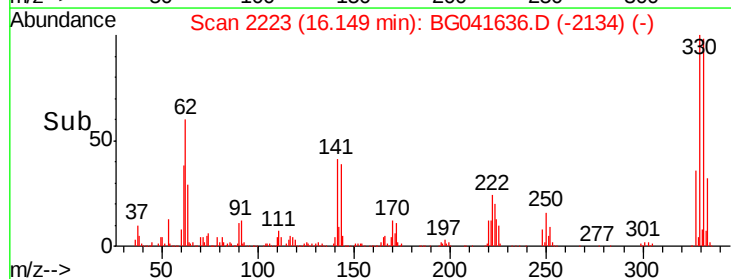
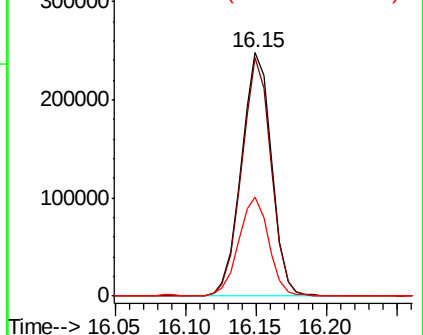
141 40.2 29.0 43.4

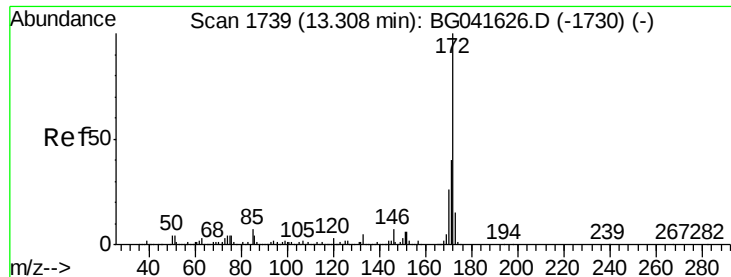


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

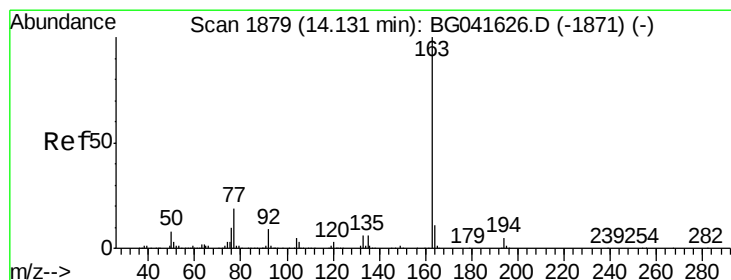
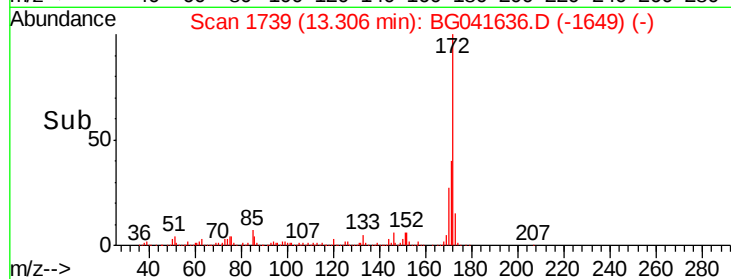
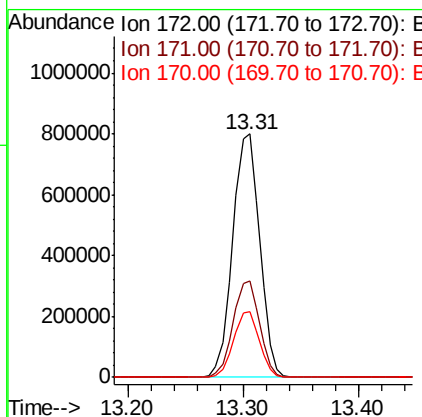
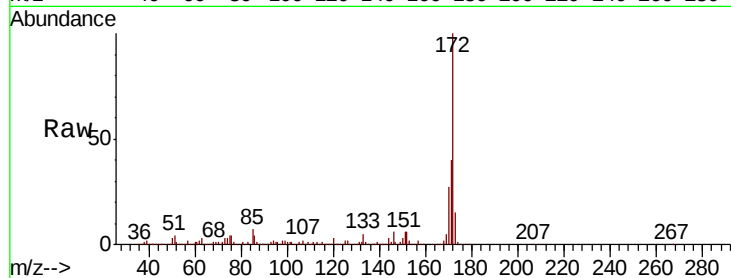




#45
2-Fluorobiphenyl
Concen: 75.083 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.00 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

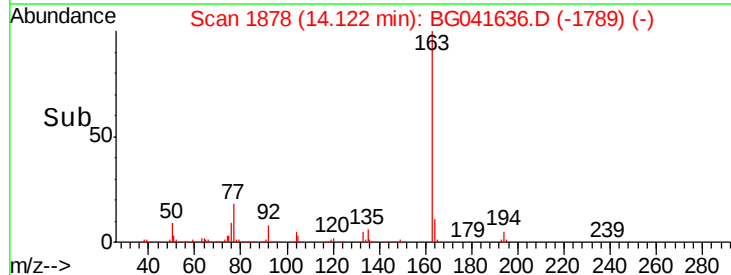
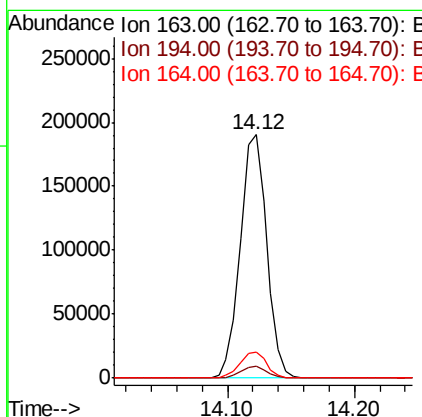
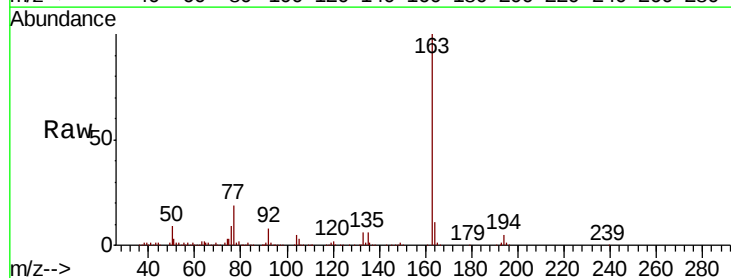
Instrument :
BNA_G
ClientSampleId :

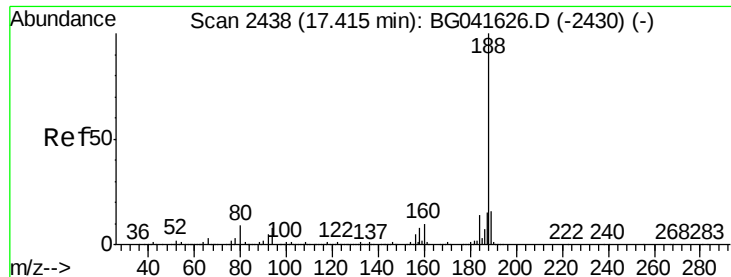
Tot Ion:172 Resp: 1294884
Ion Ratio Lower Upper
172 100
171 39.7 30.0 45.0
170 27.1 19.8 29.6



#50
Dimethylphthalate
Concen: 12.947 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Tgt Ion:163 Resp: 275044
Ion Ratio Lower Upper
163 100
194 5.2 3.9 5.9
164 10.6 8.3 12.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

Instrument :

BNA_G

ClientSampleId :

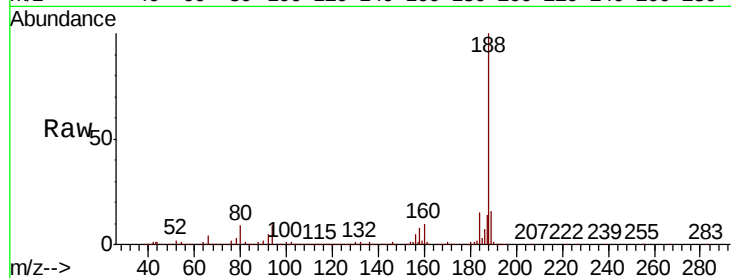
Tot Ion:188 Resp: 661712

Ion Ratio Lower Upper

188 100

94 8.8 3.6 5.4#

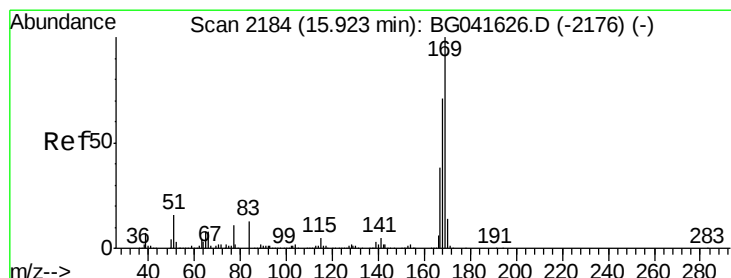
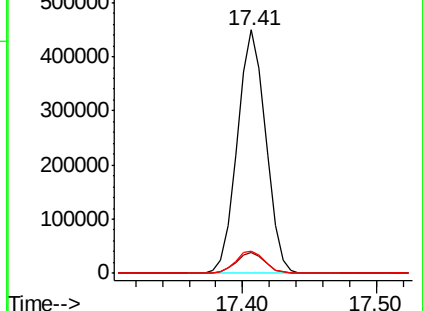
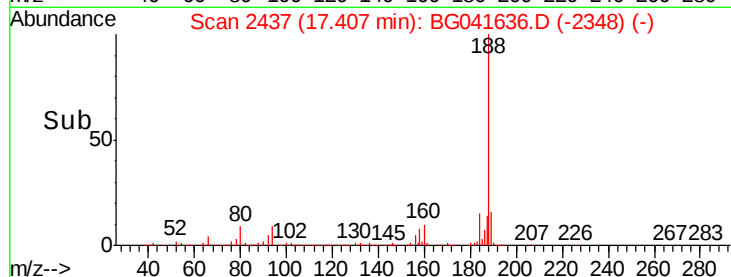
80 9.1 4.8 7.2#



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



#66

n-Nitrosodiphenylamine

Concen: Below Cal

RT: 15.93 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

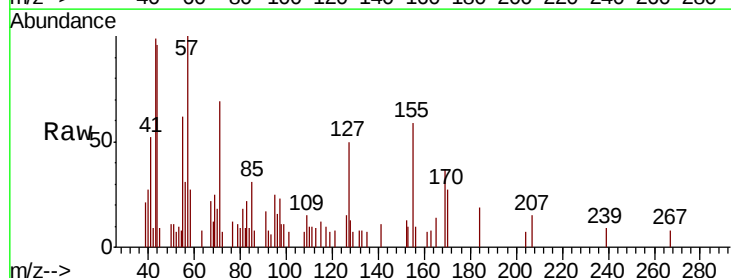
Tgt Ion:169 Resp: 1652

Ion Ratio Lower Upper

169 100

168 0.0 55.2 82.8#

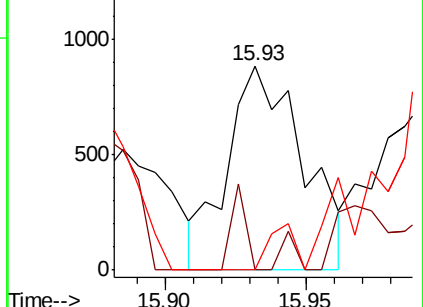
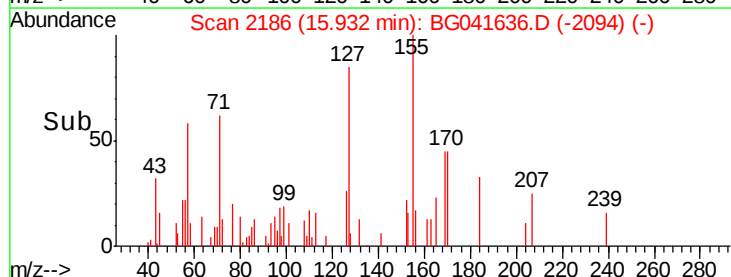
167 0.0 30.4 45.6#

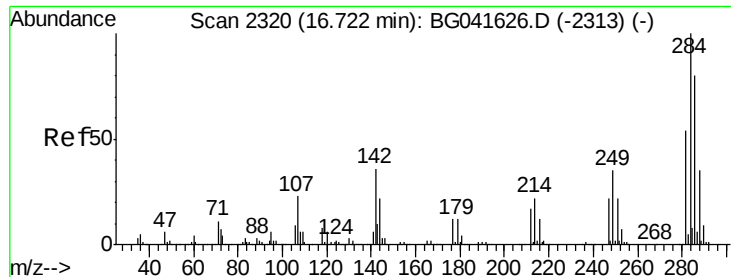


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

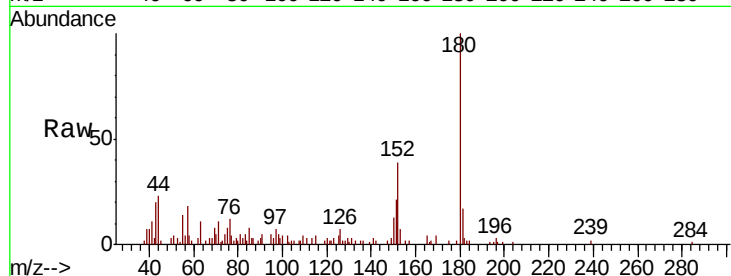




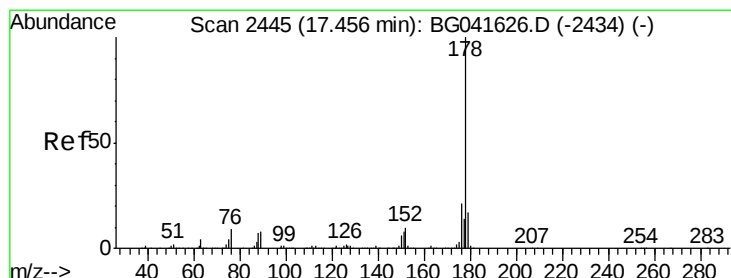
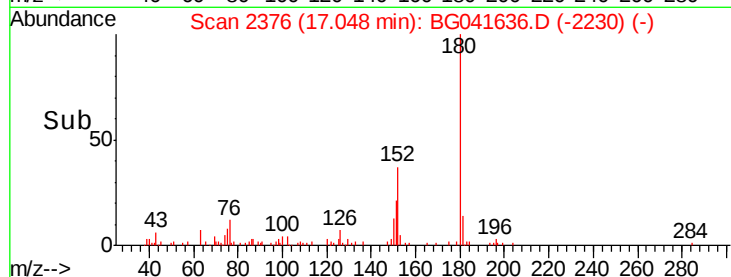
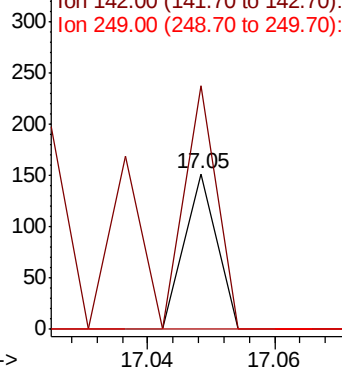
#68
Hexachlorobenzene
Concen: Below Cal
RT: 17.05 min Scan# 2376
Delta R.T. 0.33 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:284 Resp: 54
Ion Ratio Lower Upper
284 100
142 156.6 21.8 32.8#
249 0.0 27.8 41.6#

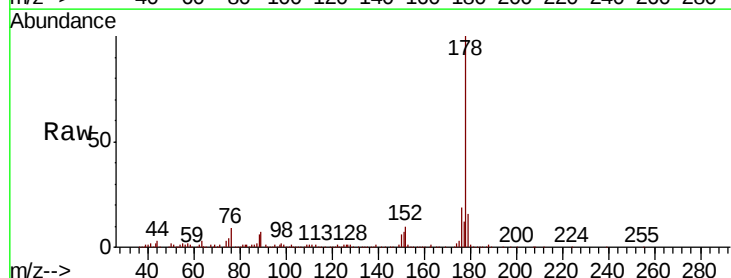


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

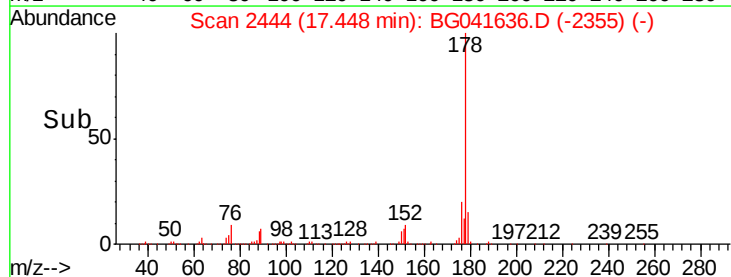
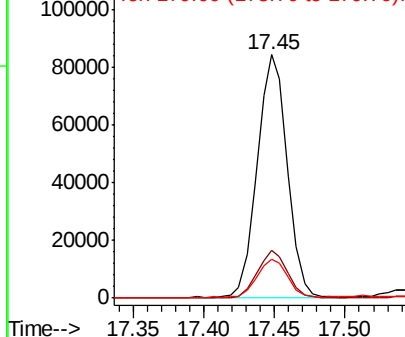


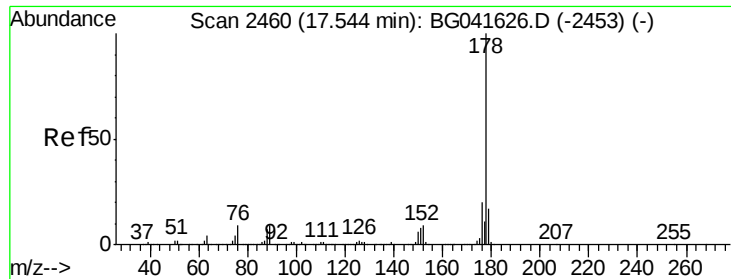
#71
Phenanthrene
Concen: 3.658 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Tgt Ion:178 Resp: 126491
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 16.1 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.498 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.10 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

Instrument :

BNA_G

ClientSampled :

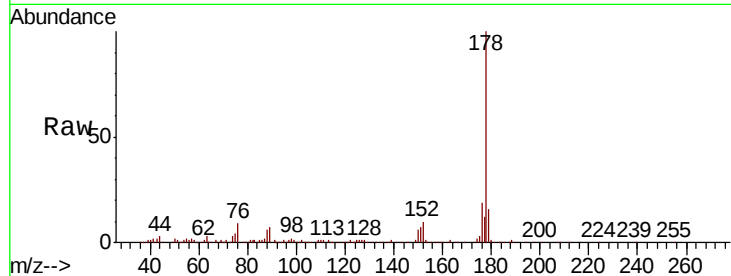
Tot Ion:178 Resp: 126491

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

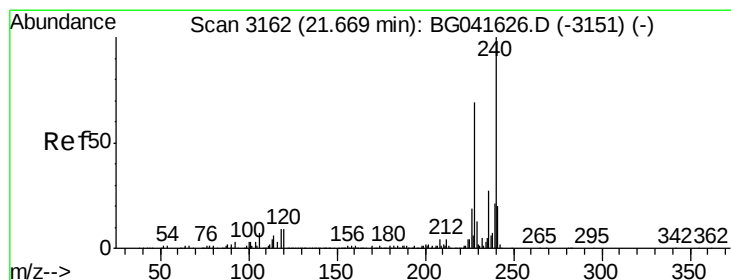
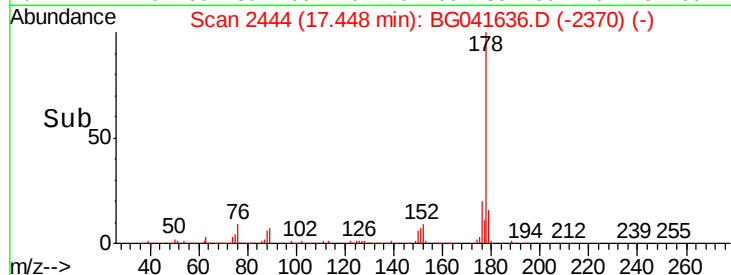
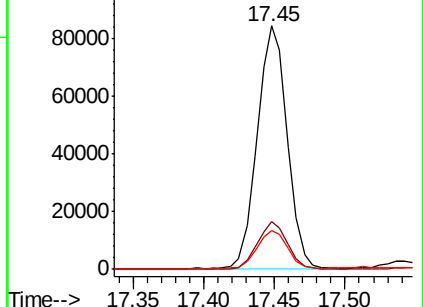
179 16.1 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG041636.D

Acq: 12 Jul 2019 12:23

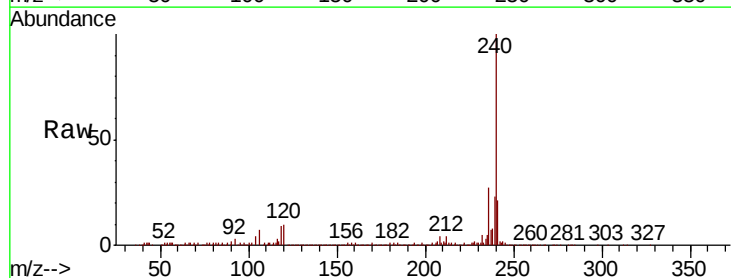
Tgt Ion:240 Resp: 650956

Ion Ratio Lower Upper

240 100

120 9.6 3.7 5.5#

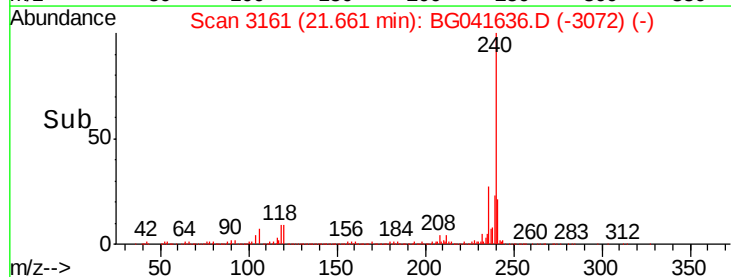
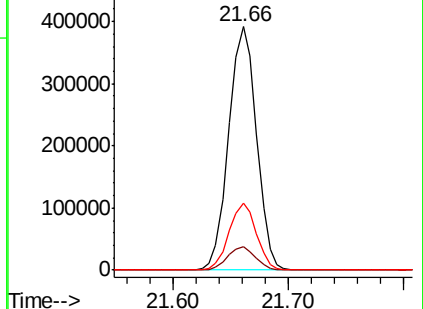
236 27.4 21.1 31.7

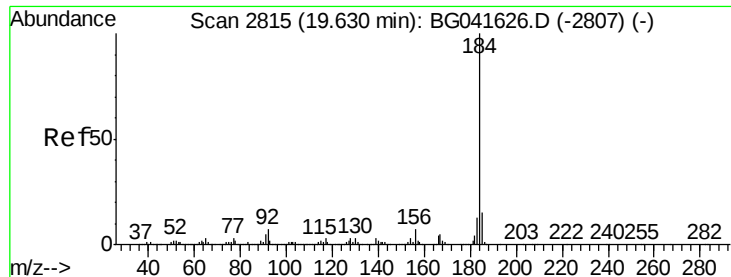


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

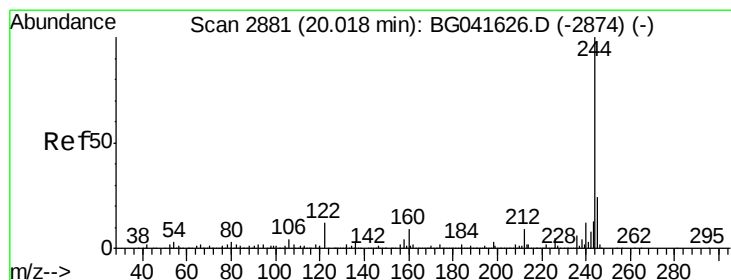
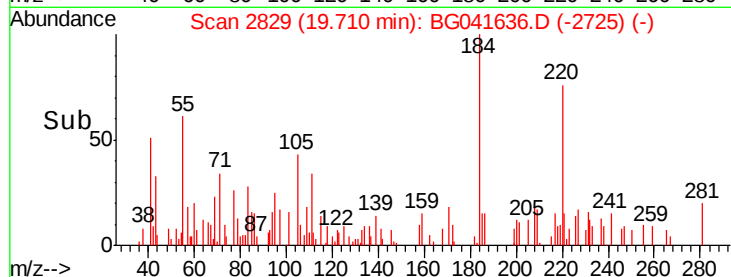
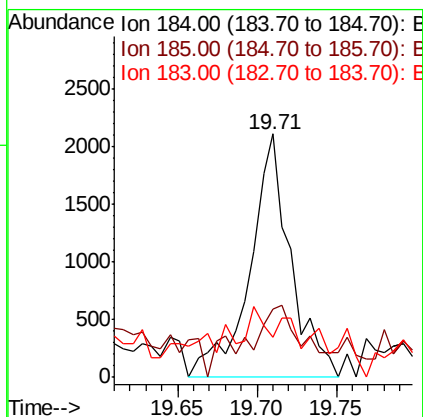
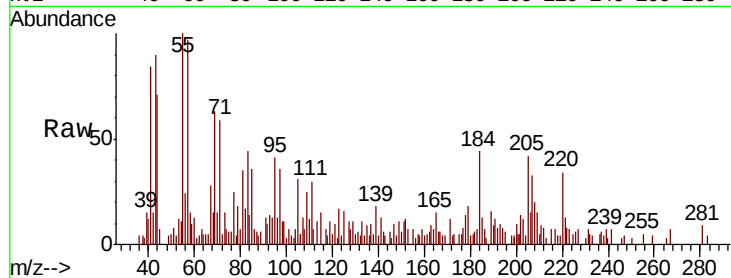




#77
Benzidine
Concen: Below Cal
RT: 19.71 min Scan# 2829
Delta R.T. 0.08 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

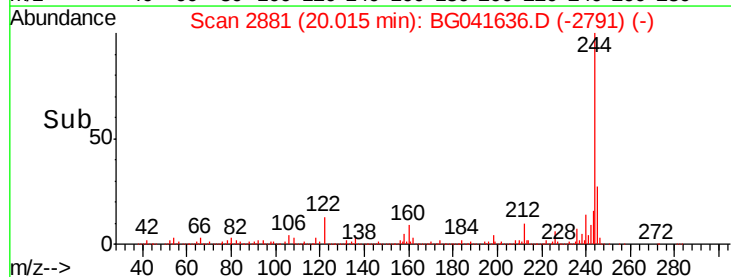
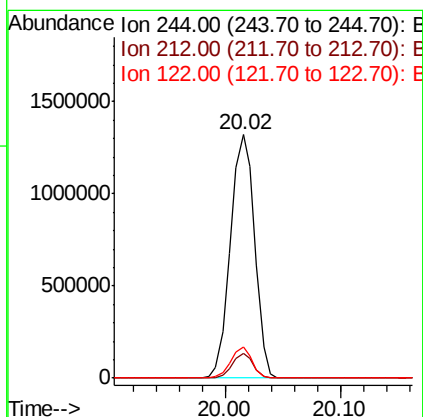
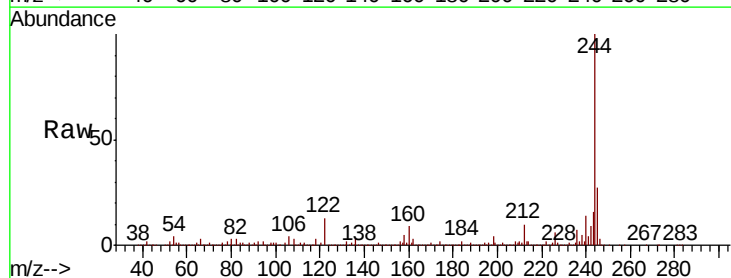
Instrument :
BNA_G
ClientSampled :

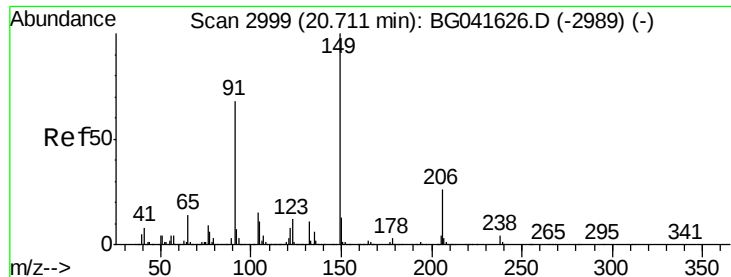
Tot Ion:184 Resp: 3761
Ion Ratio Lower Upper
184 100
185 28.2 12.2 18.2#
183 16.4 9.6 14.4#



#79
Terphenyl-d14
Concen: 71.667 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.00 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Tgt Ion:244 Resp: 1908810
Ion Ratio Lower Upper
244 100
212 10.1 6.6 10.0#
122 12.6 5.0 7.4#

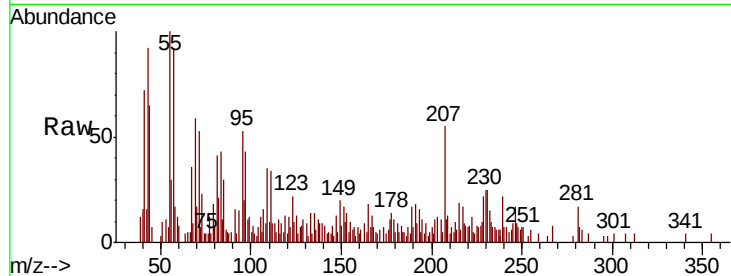




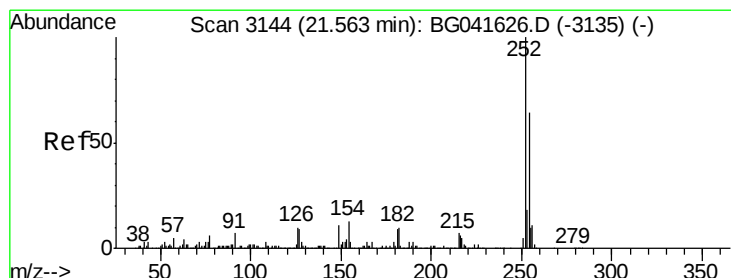
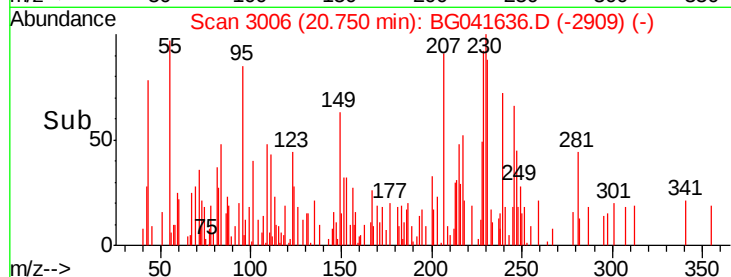
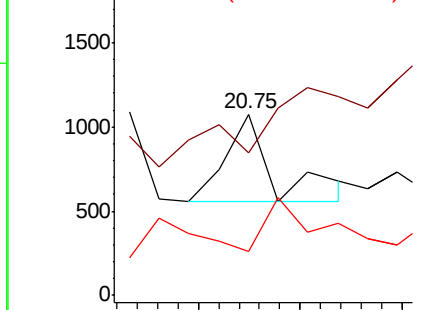
#80
Butylbenzylphthalate
Concen: Below Cal
RT: 20.75 min Scan# 3006
Delta R.T. 0.04 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 357
Ion Ratio Lower Upper
149 100
91 78.6 53.2 79.8
206 24.4 20.3 30.5

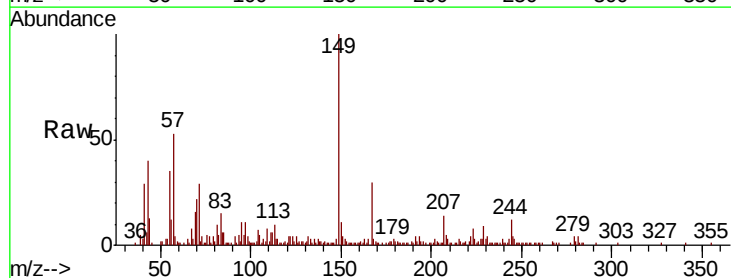


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

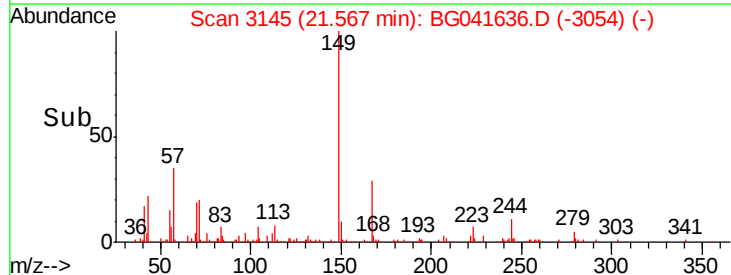
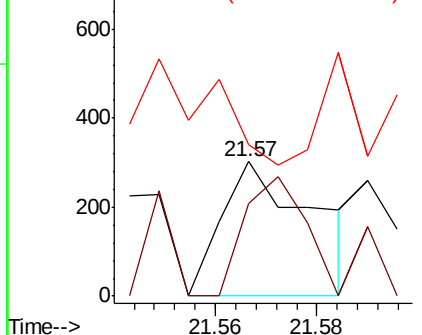


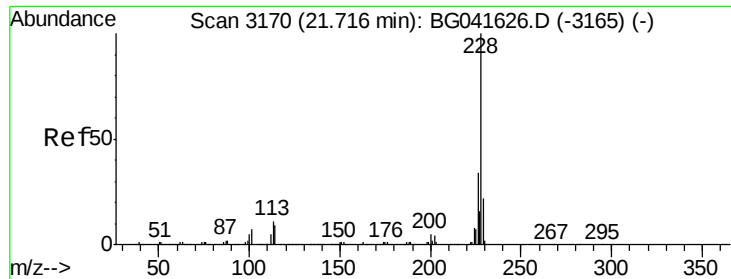
#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.57 min Scan# 3145
Delta R.T. 0.00 min
Lab File: BG041636.D
Acq: 12 Jul 2019 12:23

Tgt Ion:252 Resp: 376
Ion Ratio Lower Upper
252 100
254 68.6 51.4 77.0
126 112.9 6.0 9.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

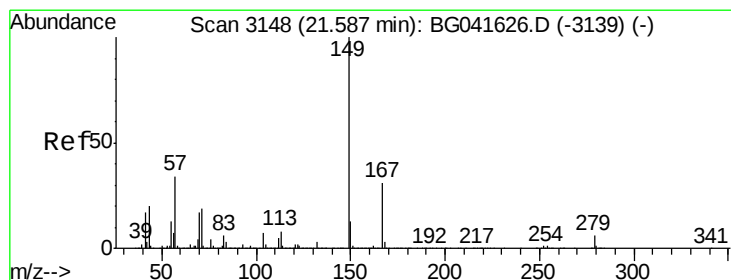
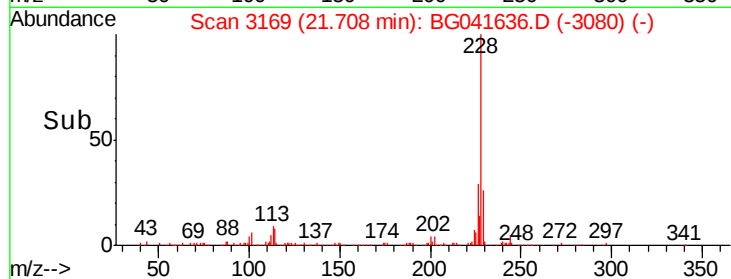
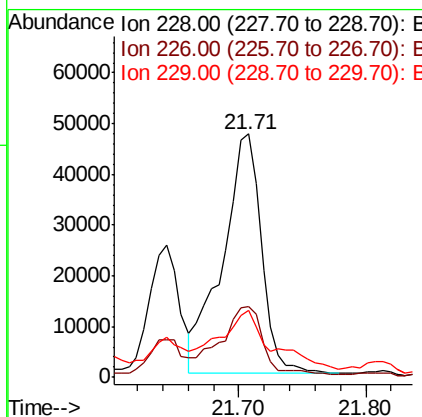
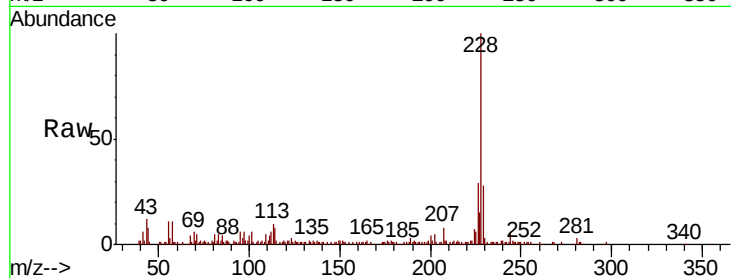




#83
 Chrysene
 Concen: 2.517 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BG041636.D
 Acq: 12 Jul 2019 12:23

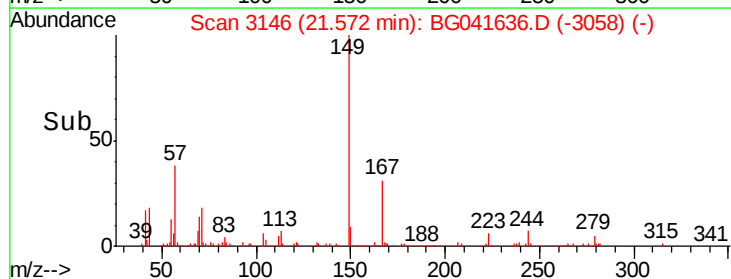
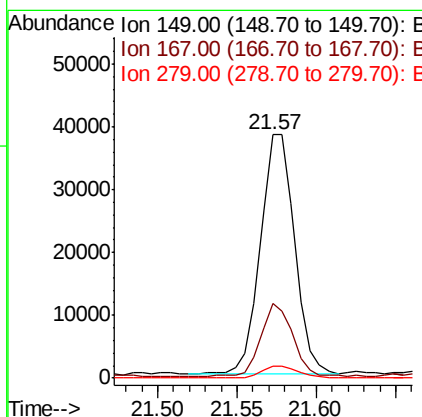
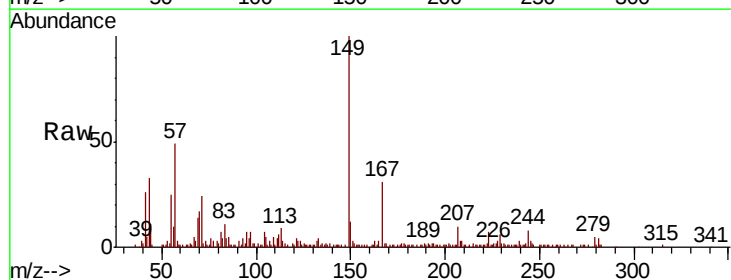
Instrument :
 BNA_G
 ClientSampleId :

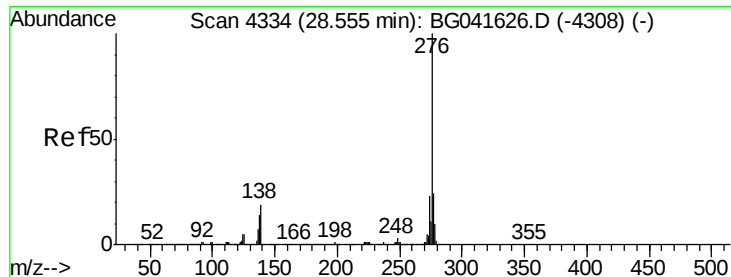
Tot Ion:228 Resp: 100894
 Ion Ratio Lower Upper
 228 100
 226 29.1 25.4 38.0
 229 27.6 16.2 24.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.120 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BG041636.D
 Acq: 12 Jul 2019 12:23

Tgt Ion:149 Resp: 57410
 Ion Ratio Lower Upper
 149 100
 167 30.8 23.8 35.8
 279 4.8 4.4 6.6

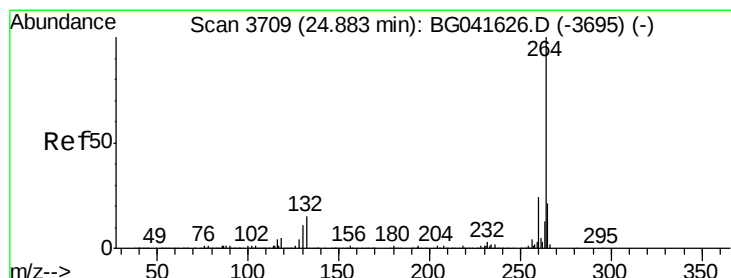
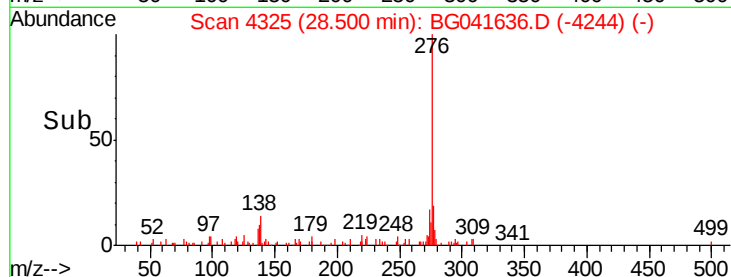
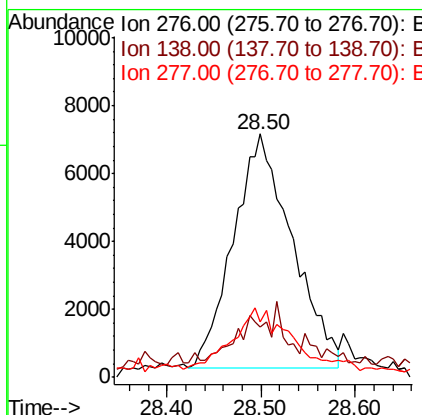
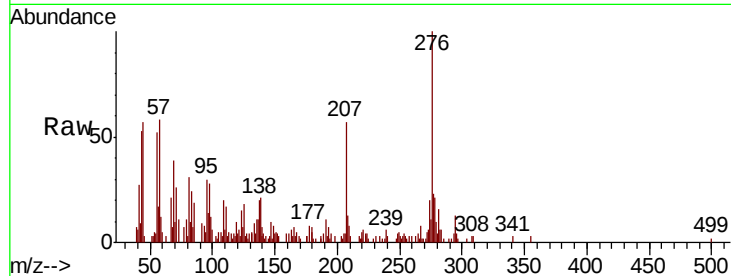




#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 28.50 min Scan# 4325
 Delta R.T. -0.05 min
 Lab File: BG041636.D
 Acq: 12 Jul 2019 12:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 30022
 Ion Ratio Lower Upper
 276 100
 138 7.7 7.7 11.5#
 277 24.5 20.6 31.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.02 min
 Lab File: BG041636.D
 Acq: 12 Jul 2019 12:23

Tgt Ion:264 Resp: 736176
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.4 26.2
 265 23.0 17.2 25.8

