

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043404.D
 Acq On : 30 Oct 2019 17:19
 Operator : JU
 Sample : PB124338BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:08:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

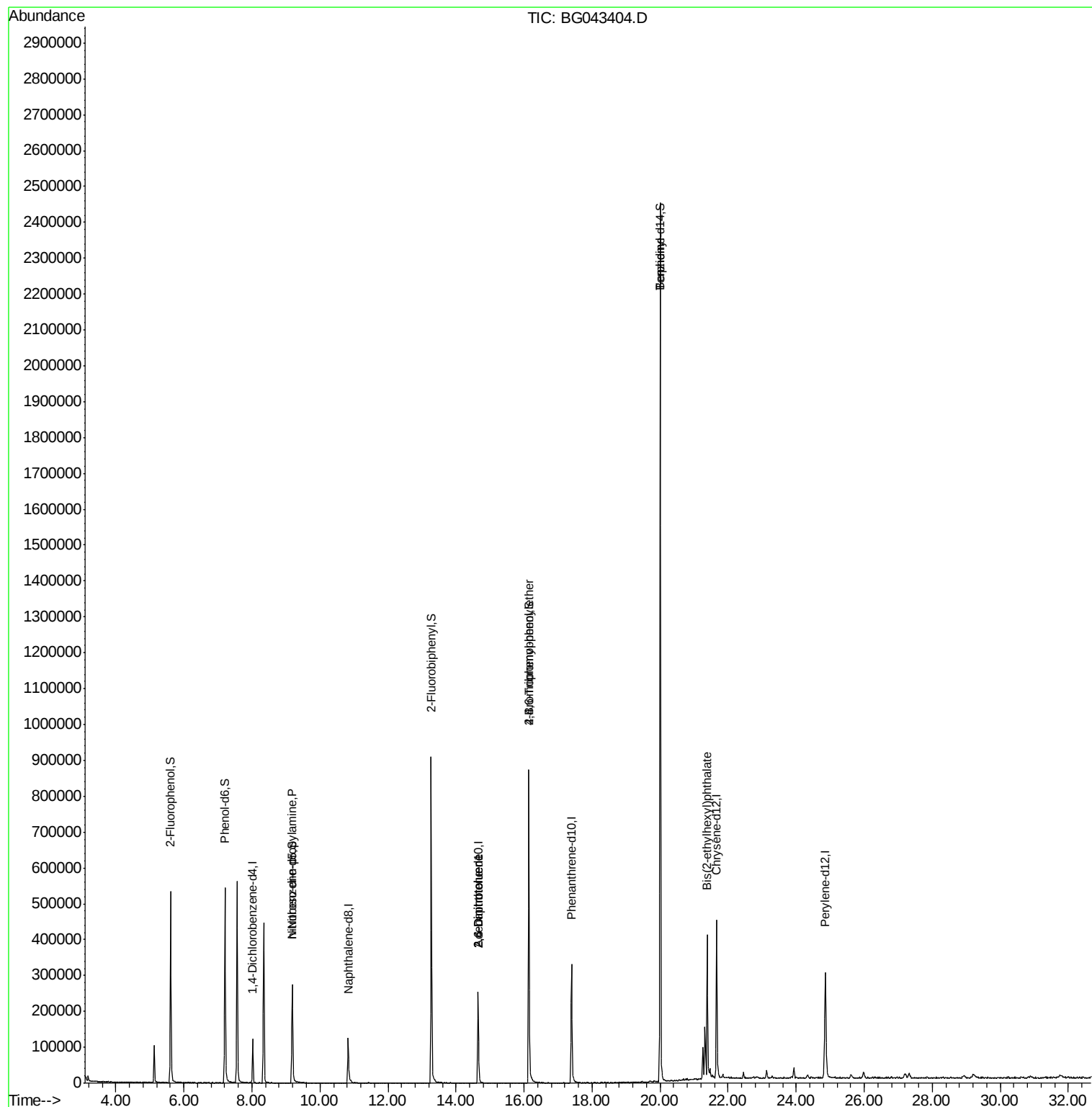
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38170	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	131694	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	105370	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	266192	20.00	ng	0.00
76) Chrysene-d12	21.66	240	309929	20.00	ng	0.00
87) Perylene-d12	24.85	264	357501	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	253978	121.93	ng	0.00
7) Phenol-d6	7.21	99	344624	114.99	ng	0.00
23) Nitrobenzene-d5	9.18	82	198875	77.85	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	226511	112.96	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	582411	76.38	ng	0.00
79) Terphenyl-d14	20.00	244	1324534	80.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	26850	13.865	ng	# 73
51) 2,6-Dinitrotoluene	14.65	165	14104	7.954	ng	# 23
57) 2,4-Dinitrotoluene	14.65	165	14104	5.566	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	14404	4.021	ng	# 1
77) Benzidine	20.00	184	19630	3.147	ng	# 91
84) Bis(2-ethylhexyl)phthalate	21.38	149	187856	18.195	ng	# 51

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

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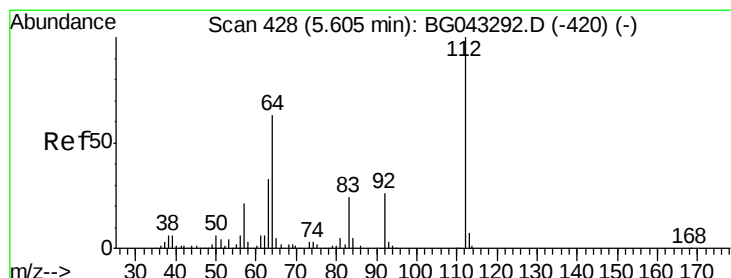
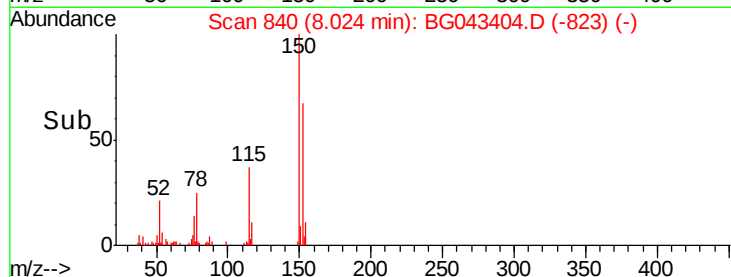
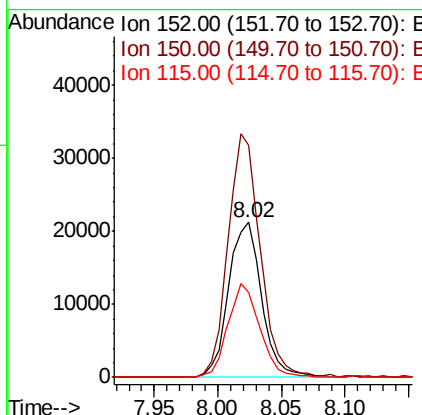
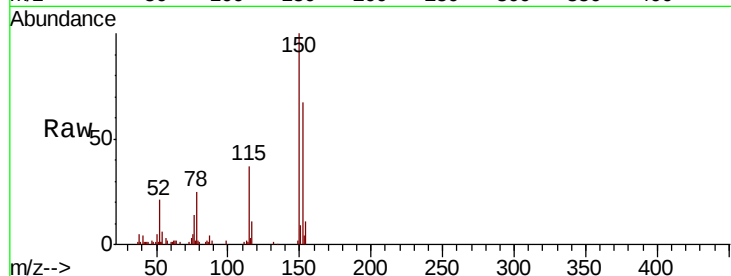


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043404.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_G
ClientSampleId :

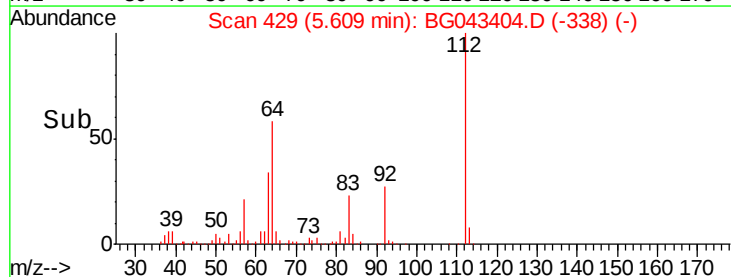
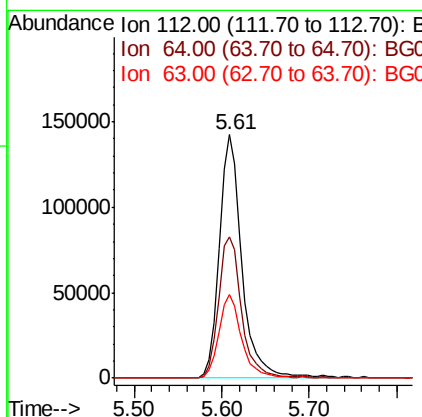
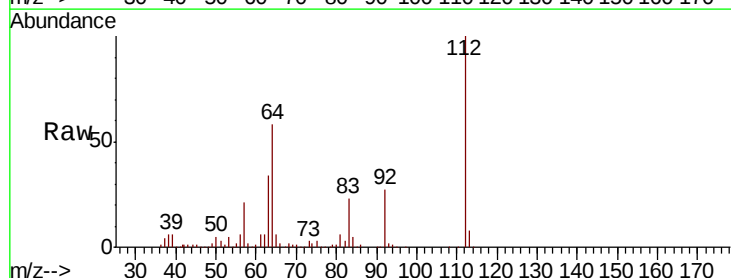
Tot Ion:152 Resp: 38170
Ion Ratio Lower Upper
152 100
150 149.8 113.6 170.4
115 54.9 45.9 68.9

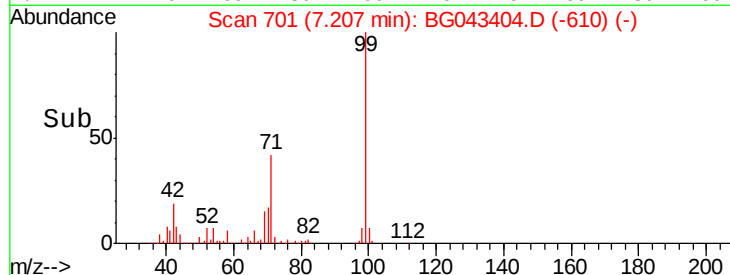
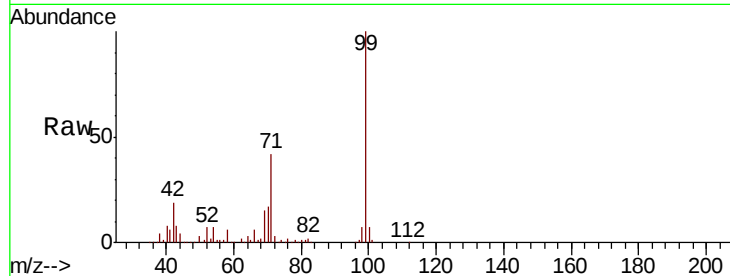


#5

2-Fluorophenol
Concen: 121.929 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043404.D
Acq: 30 Oct 2019 17:19

Tgt Ion:112 Resp: 253978
Ion Ratio Lower Upper
112 100
64 57.9 50.2 75.2
63 34.5 26.7 40.1

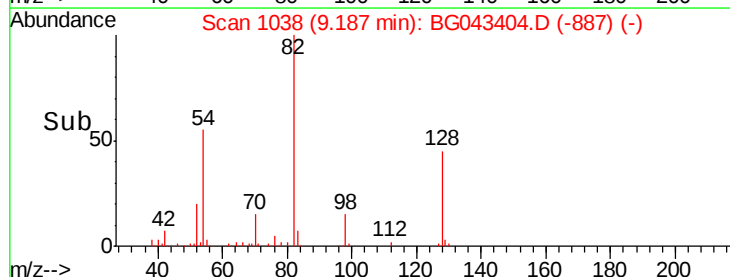
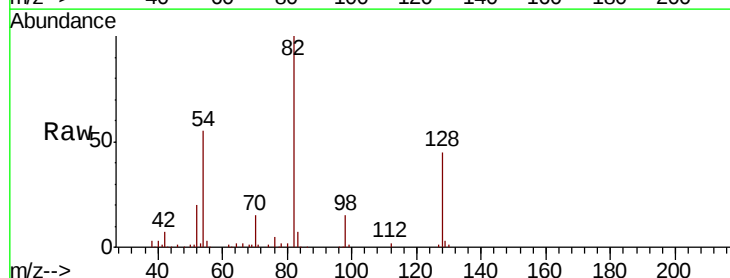
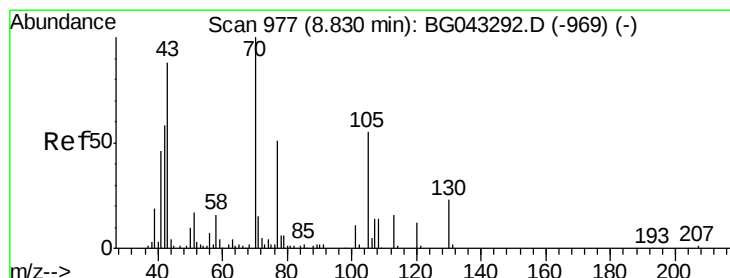
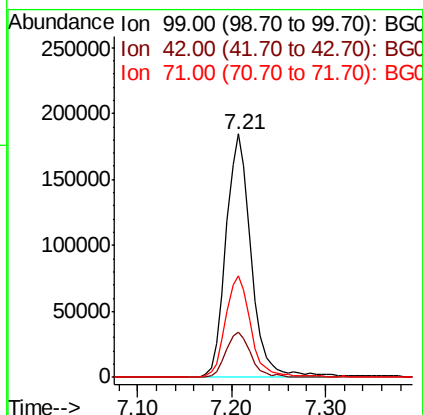




#7
Phenol-d6
Concen: 114.991 ng
RT: 7.21 min Scan# 701
Delta R.T. 0.00 min
Lab File: BG043404.D
Acq: 30 Oct 2019 17:19

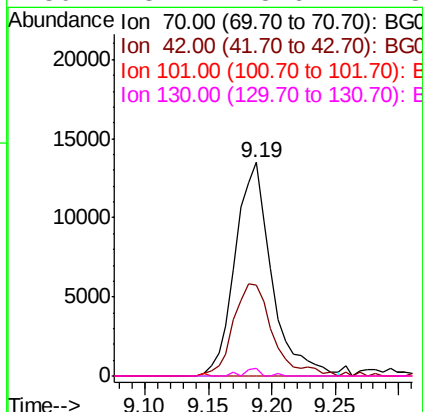
Instrument :
BNA_G
ClientSampleId :

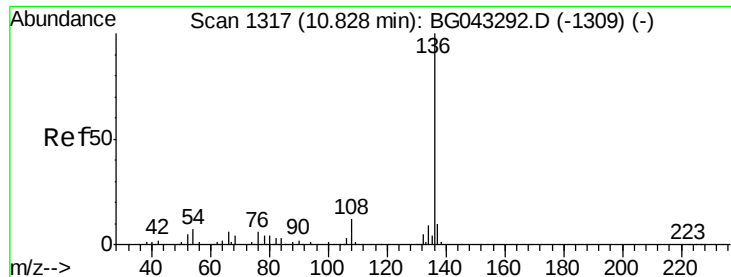
Tot Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.9	22.3
71	42.0	32.2	48.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.865 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043404.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
70	100		
42	42.4	46.2	69.2#
101	0.0	8.6	13.0#
130	3.4	18.6	27.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 131694

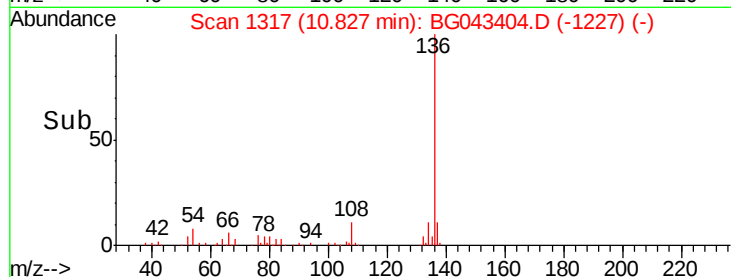
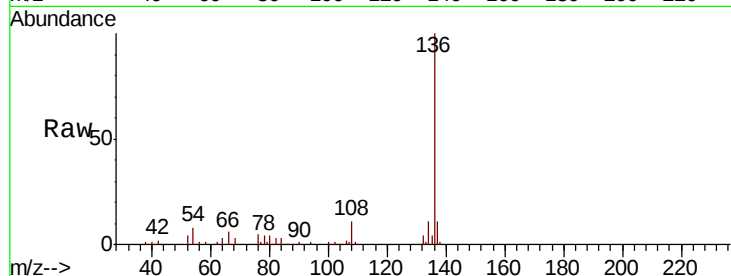
Ion Ratio Lower Upper

136 100

137 11.3 8.2 12.2

54 8.1 5.4 8.2

68 3.2 3.3 4.9#

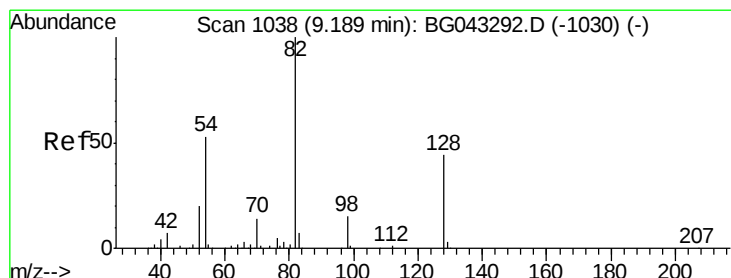
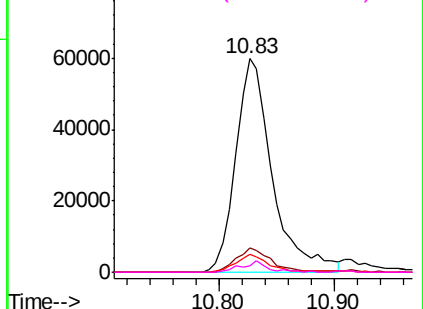


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.854 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

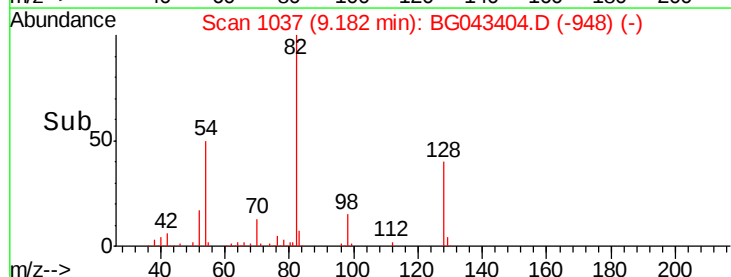
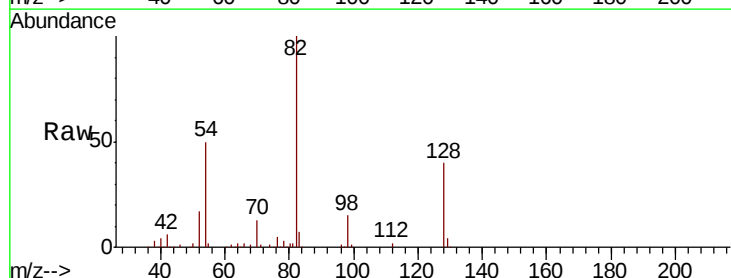
Tgt Ion: 82 Resp: 198875

Ion Ratio Lower Upper

82 100

128 40.1 35.3 52.9

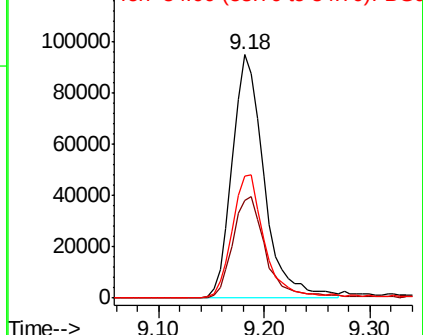
54 50.0 42.3 63.5

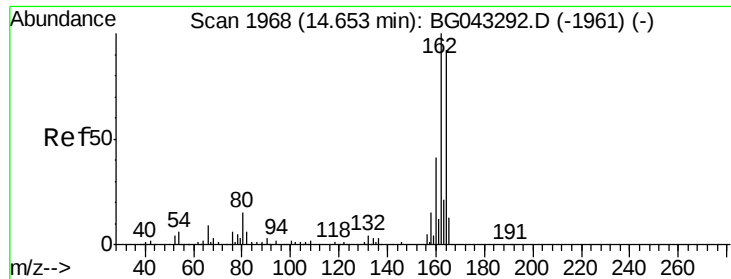


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_G

ClientSampleId :

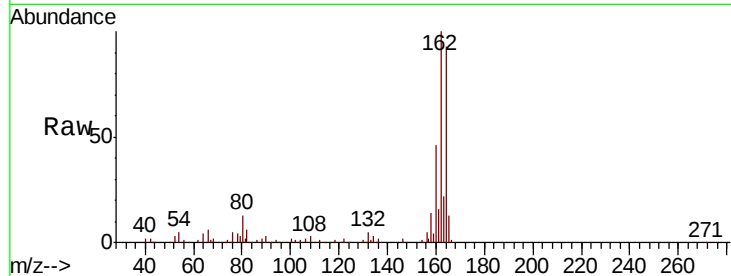
Tot Ion:164 Resp: 105370

Ion Ratio Lower Upper

164 100

162 108.1 87.0 130.4

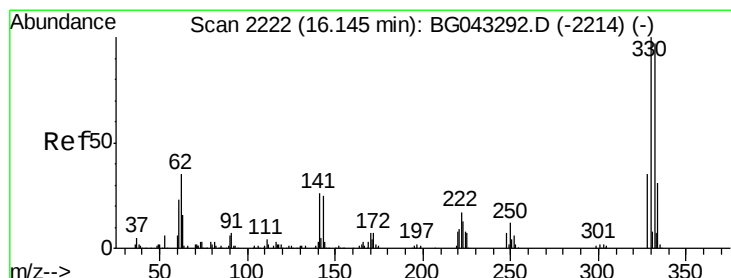
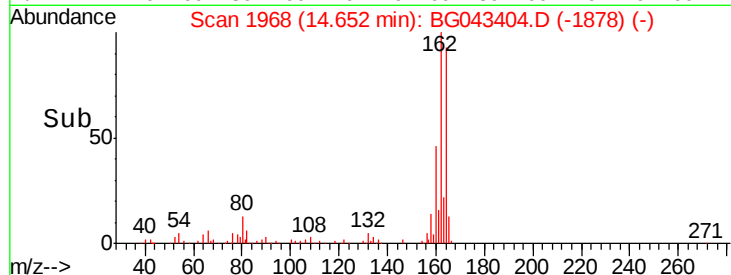
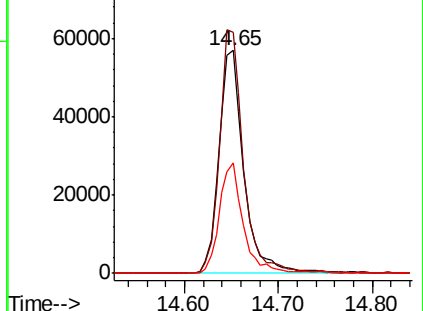
160 49.7 35.5 53.3



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: 112.962 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

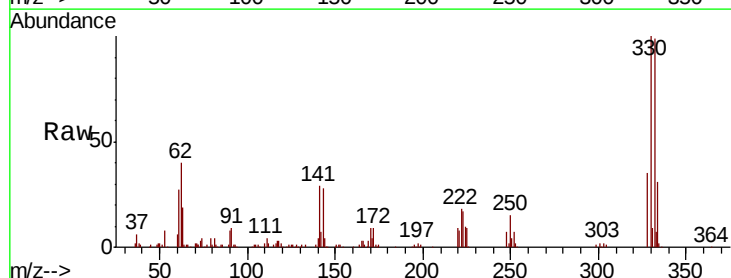
Tgt Ion:330 Resp: 226511

Ion Ratio Lower Upper

330 100

332 97.7 76.4 114.6

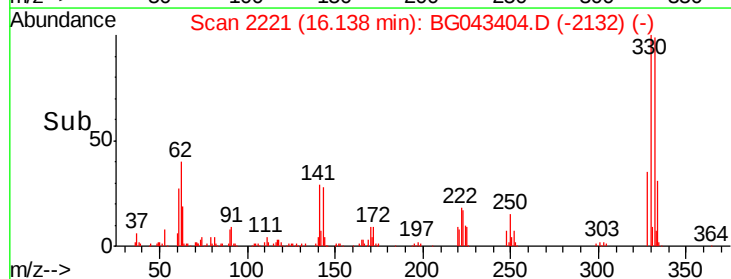
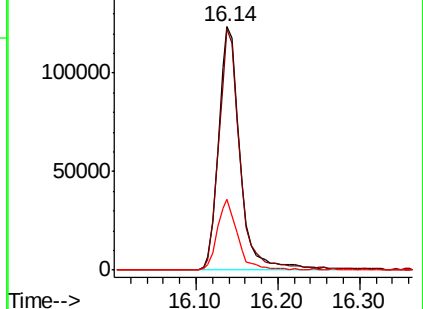
141 27.7 21.4 32.0

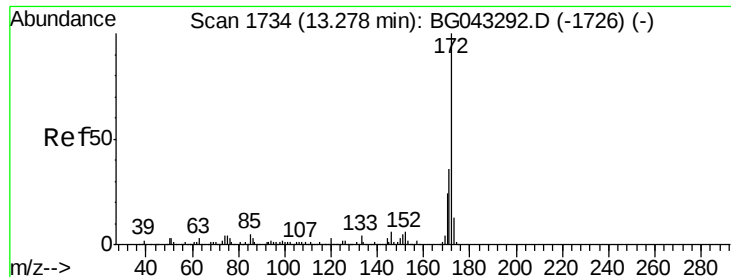


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

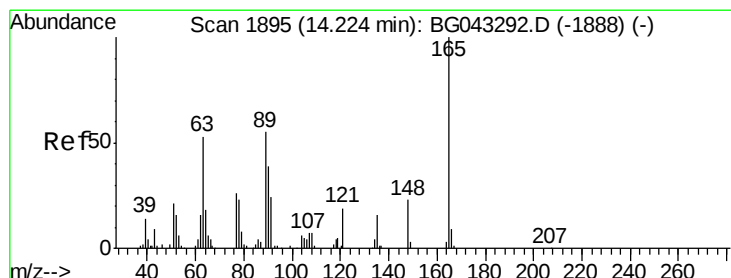
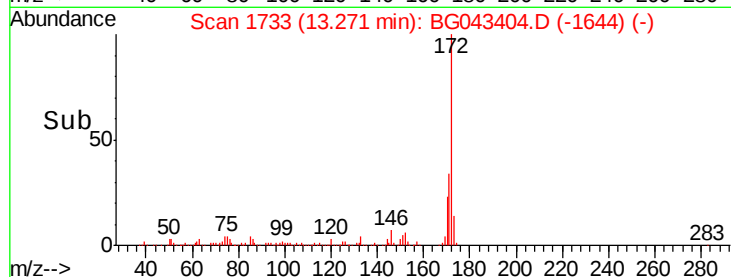
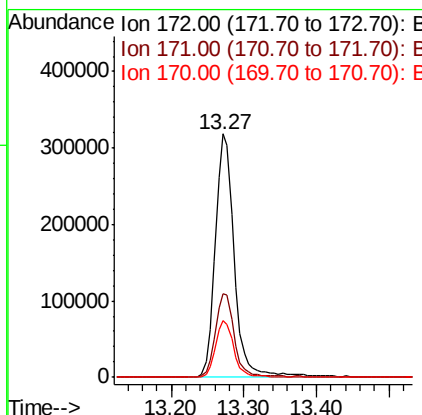
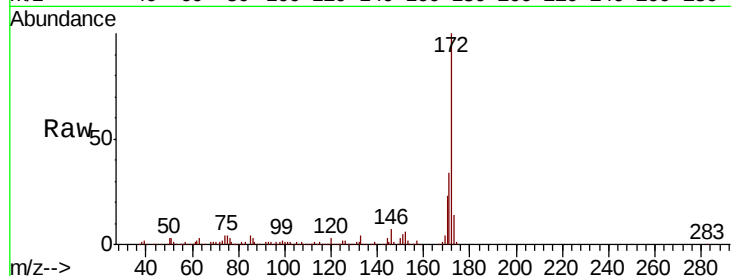




#45
 2-Fluorobiphenyl
 Concen: 76.376 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

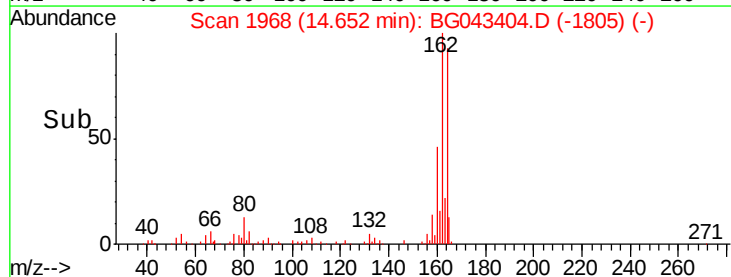
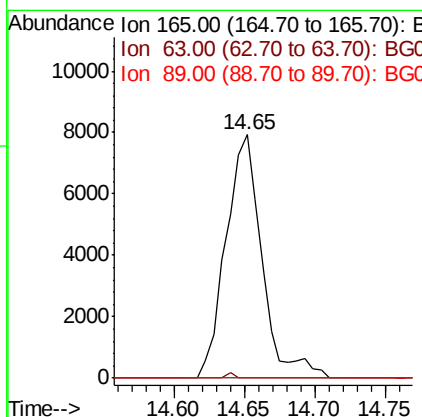
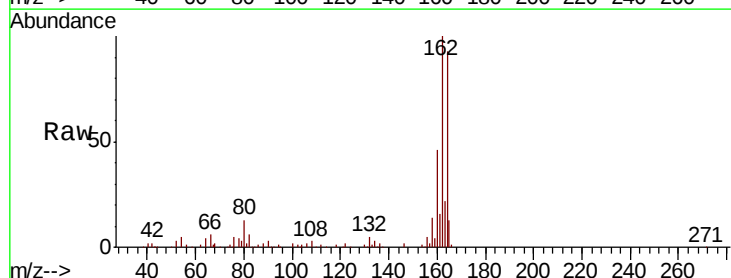
Instrument :
 BNA_G
 ClientSampleId :

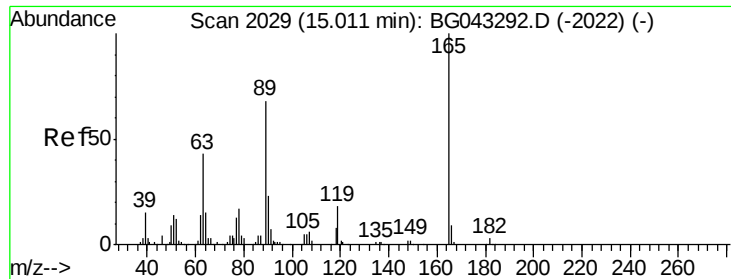
Tot Ion:172 Resp: 582411
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.5 42.7
 170 23.5 18.8 28.2



#51
 2,6-Dinitrotoluene
 Concen: 7.954 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

Tgt Ion:165 Resp: 14104
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.1 70.7#
 89 0.0 43.7 65.5#

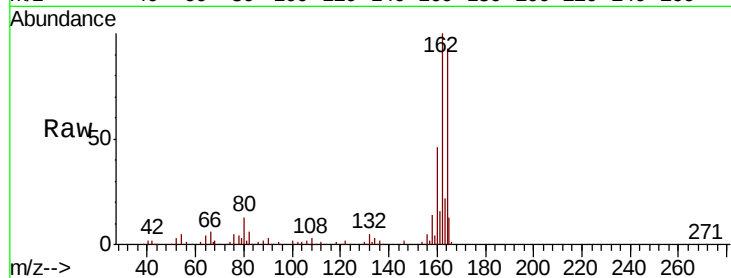




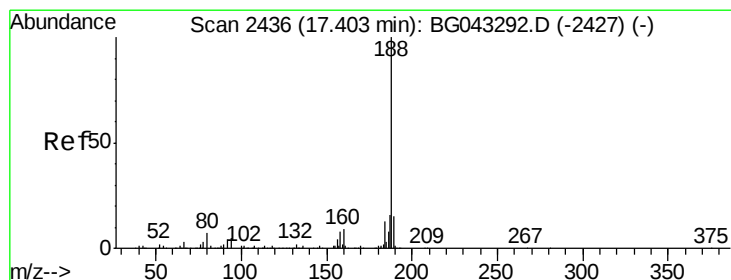
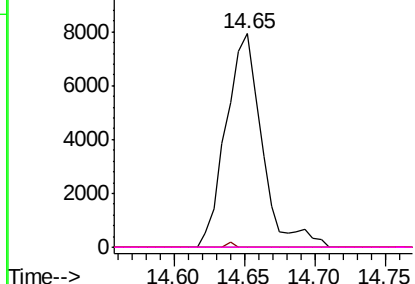
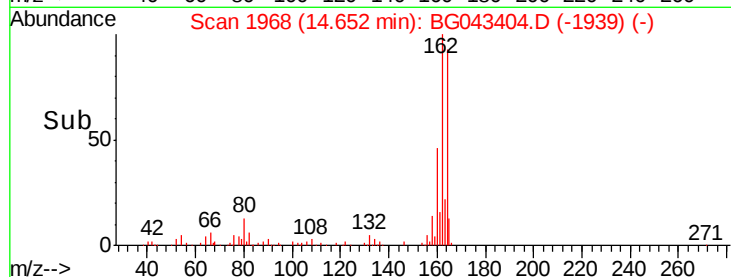
#57
 2,4-Dinitrotoluene
 Concen: 5.566 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14104
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.6#
 89 0.0 54.1 81.1#
 182 0.0 2.2 3.2#

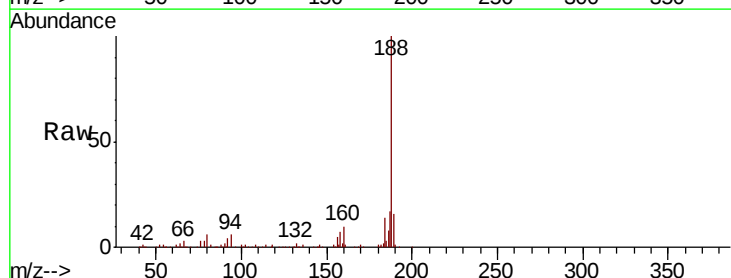


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

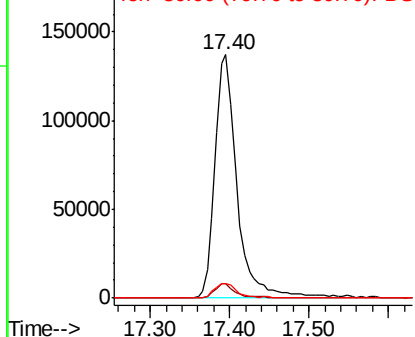
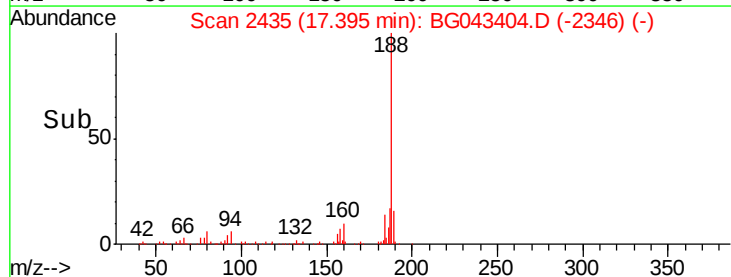


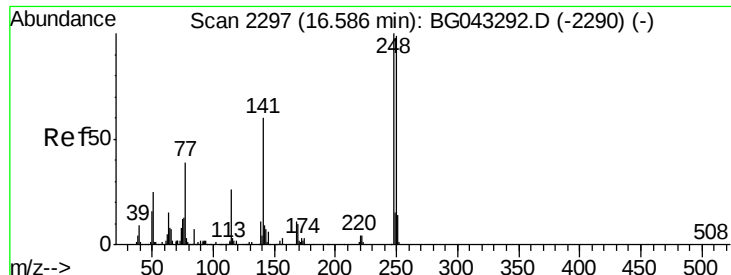
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

Tgt Ion:188 Resp: 266192
 Ion Ratio Lower Upper
 188 100
 94 5.9 4.2 6.2
 80 6.1 5.2 7.8



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

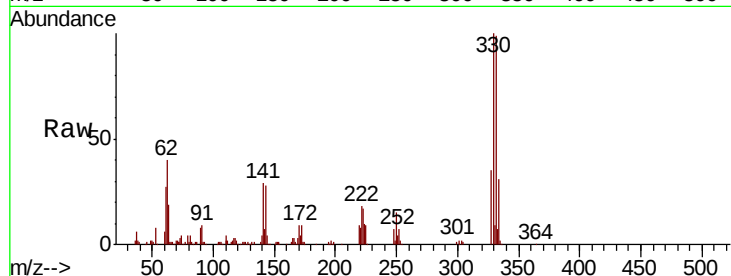




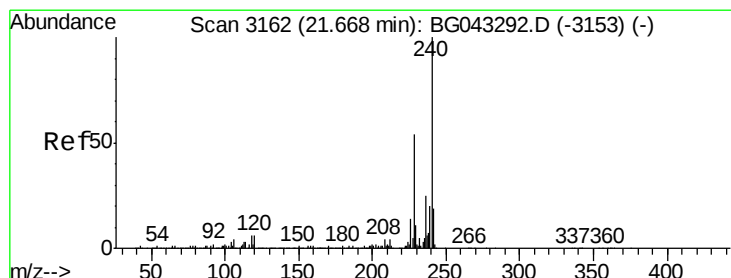
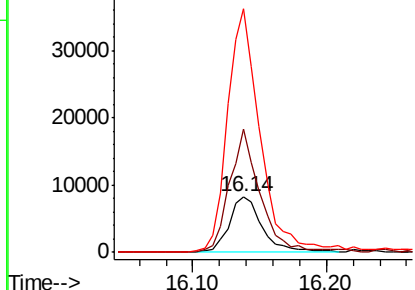
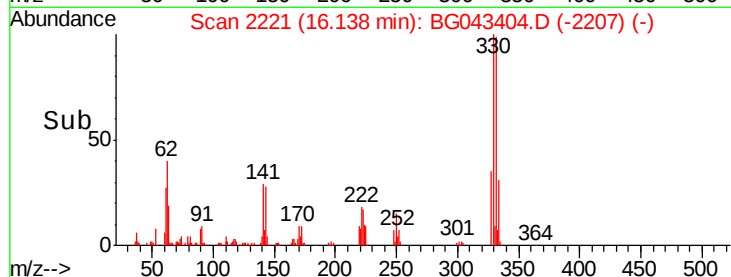
#67
 4-Bromophenyl-phenylether
 Concen: 4.021 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14404
 Ion Ratio Lower Upper
 248 100
 250 220.4 79.3 118.9#
 141 436.5 47.9 71.9#

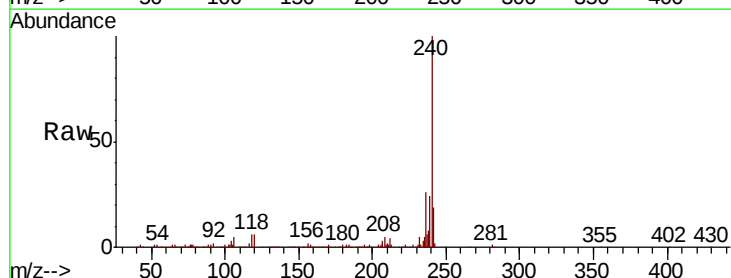


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

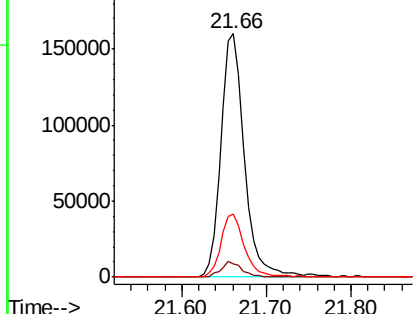
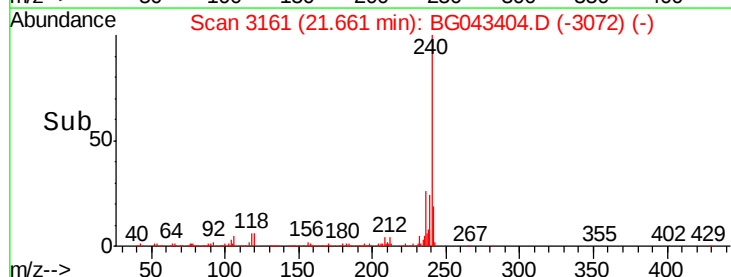


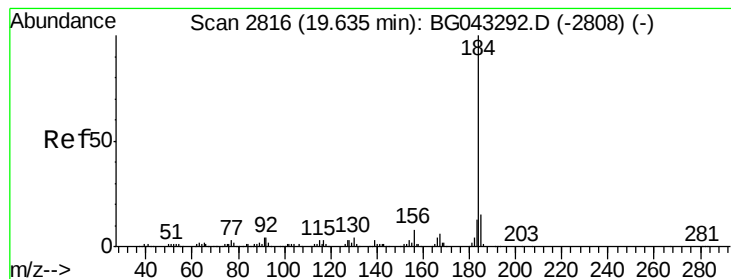
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043404.D
 Acq: 30 Oct 2019 17:19

Tgt Ion:240 Resp: 309929
 Ion Ratio Lower Upper
 240 100
 120 5.6 4.6 7.0
 236 26.1 20.2 30.4



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: 3.147 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

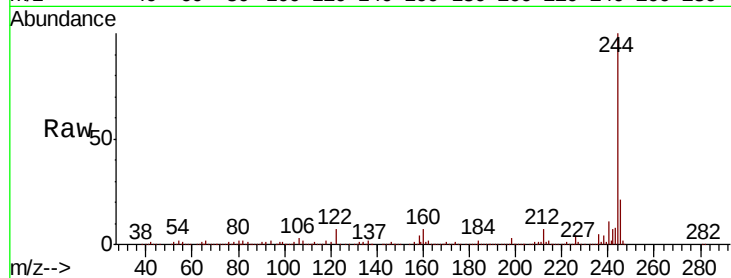
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 19630

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.8	17.6
183	7.1	10.6	16.0

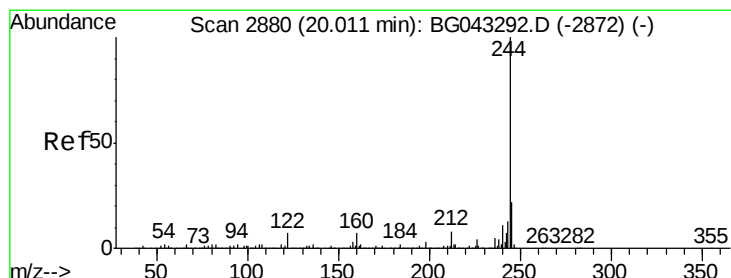
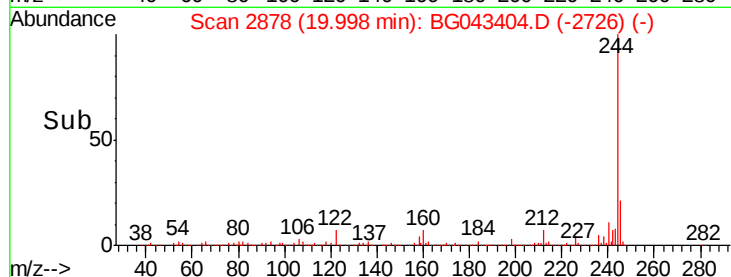
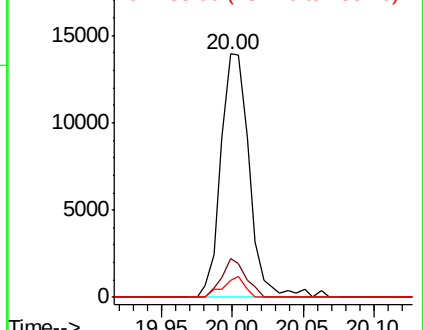


Abundance

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: 80.176 ng

RT: 20.00 min Scan# 2879

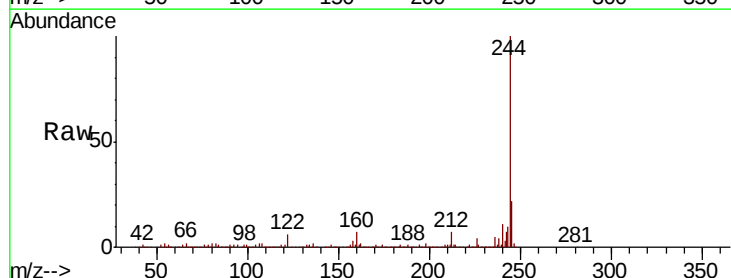
Delta R.T. -0.01 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

Tgt Ion:244 Resp: 1324534

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	6.4	5.3	7.9

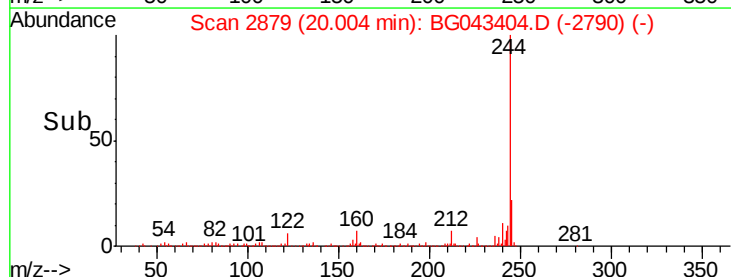
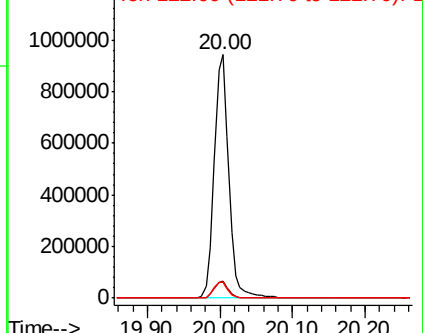


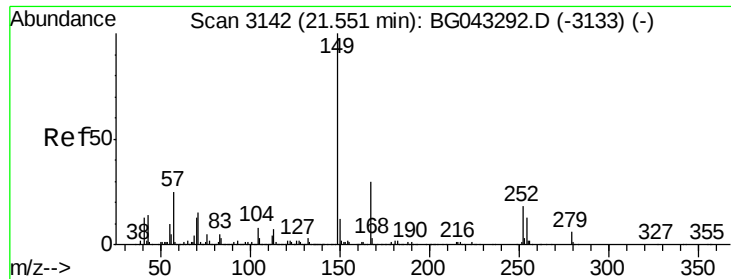
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.195 ng

RT: 21.38 min Scan# 3113

Delta R.T. -0.17 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_G

ClientSampleId :

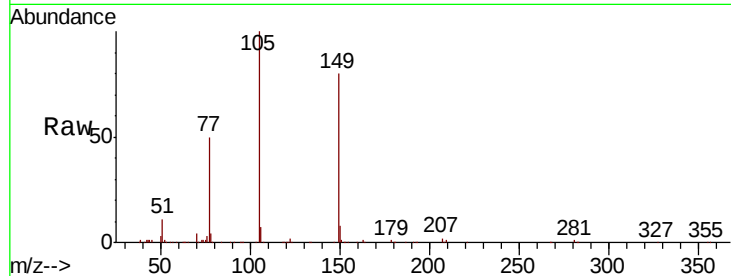
Tot Ion:149 Resp: 187856

Ion Ratio Lower Upper

149 100

167 0.0 23.9 35.9#

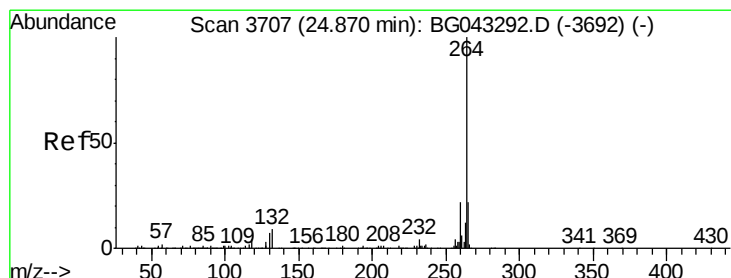
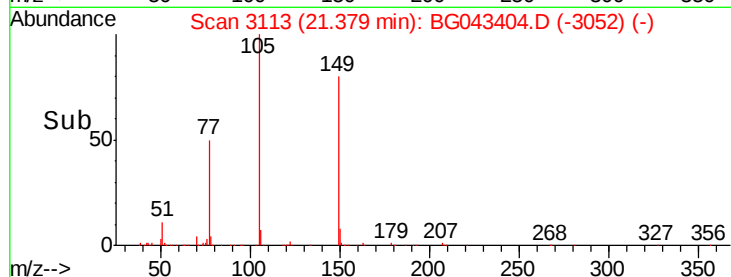
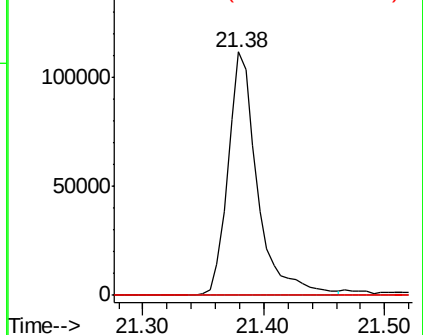
279 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG043404.D

Acq: 30 Oct 2019 17:19

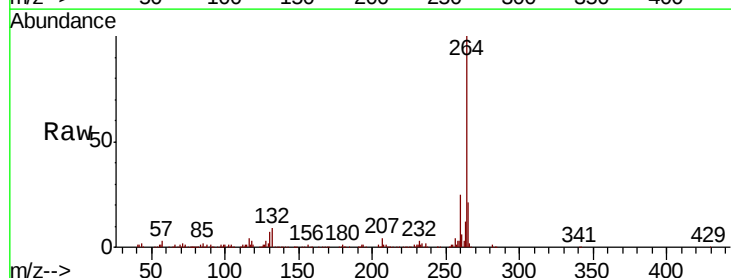
Tgt Ion:264 Resp: 357501

Ion Ratio Lower Upper

264 100

260 24.8 17.9 26.9

265 21.3 17.4 26.2



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

