

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041450.D
 Acq On : 25 Jun 2019 19:02
 Operator : HP/JU
 Sample : K3511-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Jun 26 04:21:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

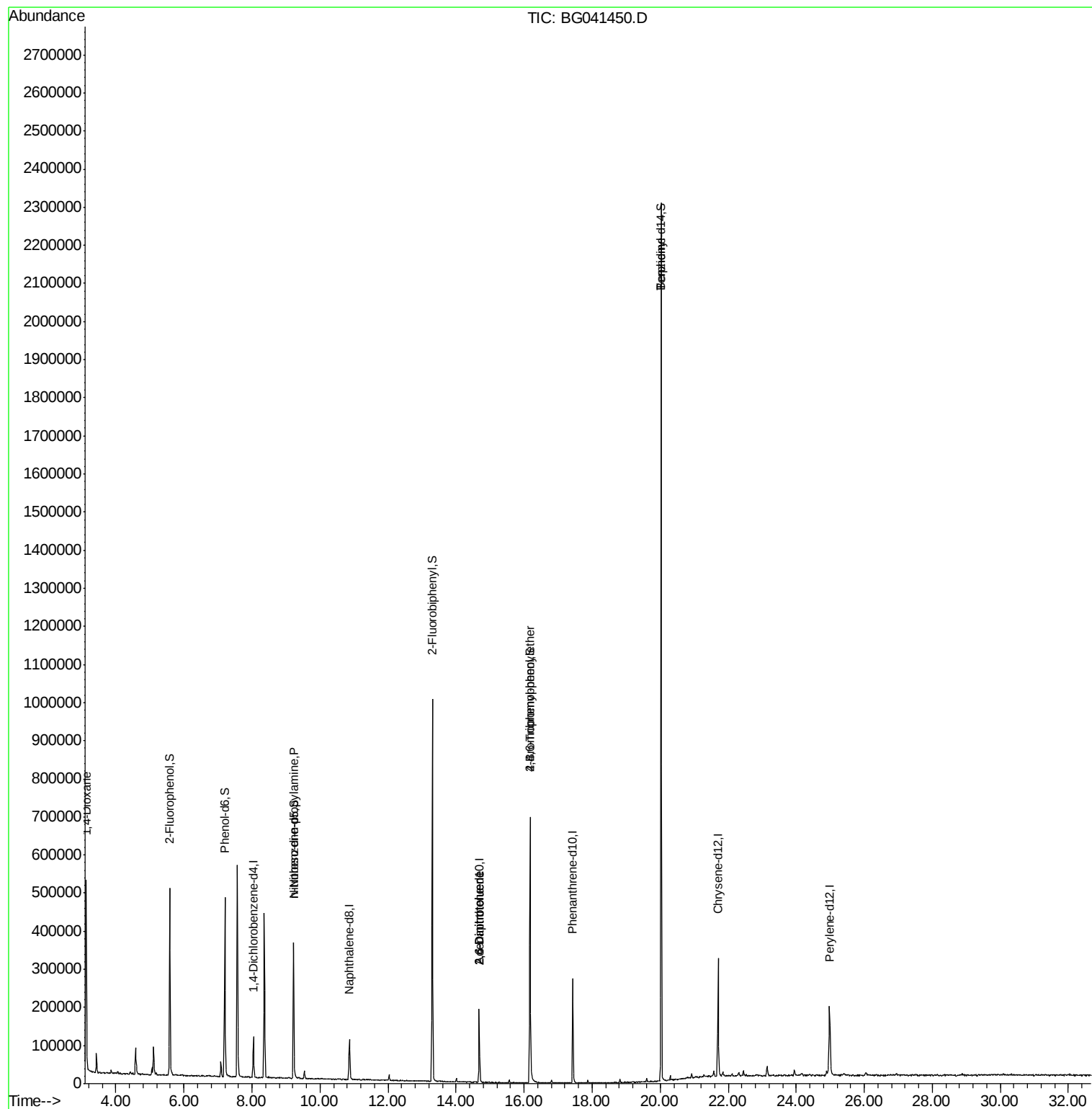
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	28629	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	101206	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	69363	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	186252	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	204160	20.00	ng	-0.04
87) Perylene-d12	24.98	264	215467	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	198974	127.70	ng	-0.04
7) Phenol-d6	7.20	99	257341	113.94	ng	-0.03
23) Nitrobenzene-d5	9.22	82	222496	92.46	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	150647	141.47	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	501581	98.28	ng	-0.04
79) Terphenyl-d14	20.03	244	1048699	101.80	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.13	88	6530	8.358	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	31635	17.319	ng	# 75
51) 2,6-Dinitrotoluene	14.69	165	9275	7.127	ng	# 17
57) 2,4-Dinitrotoluene	14.69	165	9275	4.876	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	10532	4.373	ng	# 1
77) Benzidine	20.03	184	17164	3.476	ng	# 92

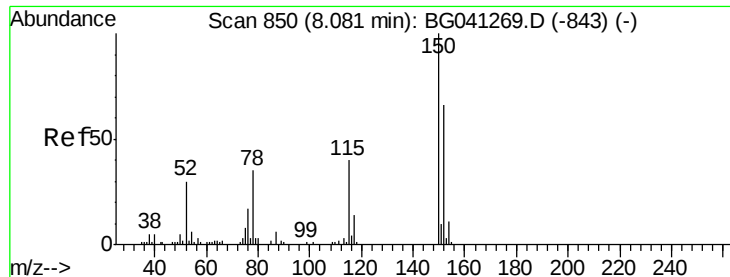
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 17 14:58:02 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.04 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

Instrument :

BNA_G

ClientSampleId :

COMP-1

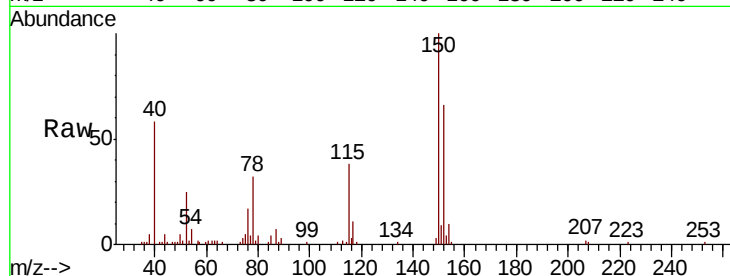
Tgt Ion:152 Resp: 28629

Ion Ratio Lower Upper

152 100

150 151.8 120.6 181.0

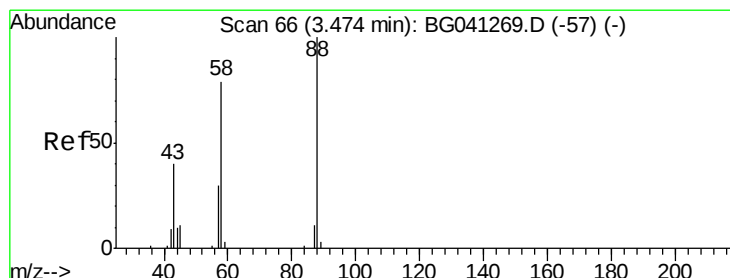
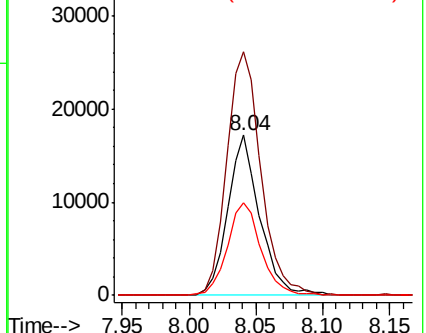
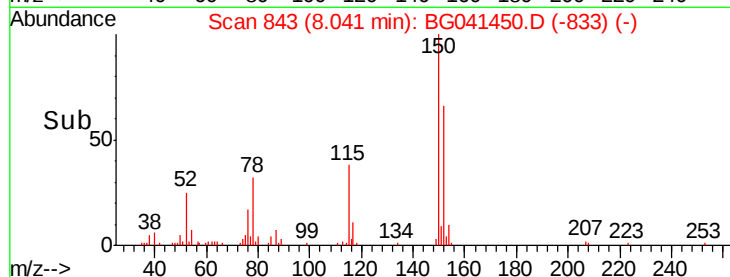
115 57.9 47.9 71.9



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



#2

1,4-Dioxane

Concen: 8.358 ng

RT: 3.13 min Scan# 7

Delta R.T. -0.35 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

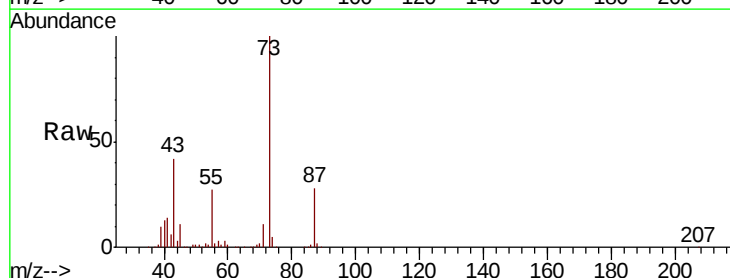
Tgt Ion: 88 Resp: 6530

Ion Ratio Lower Upper

88 100

58 49.4 59.7 89.5#

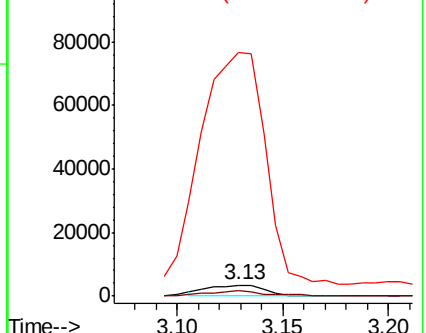
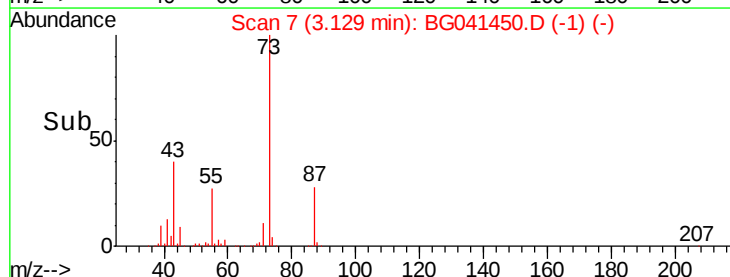
43 2158.2 31.9 47.9#

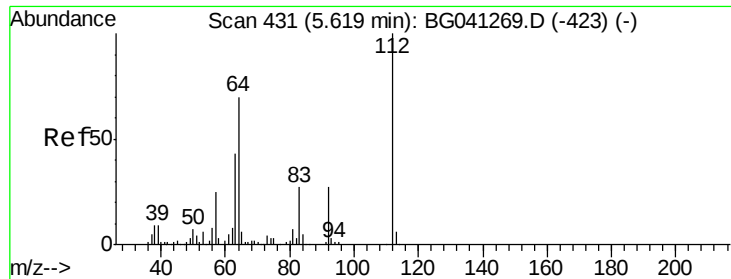


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.702 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.04 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

Instrument :

BNA_G

ClientSampleId :

COMP-1

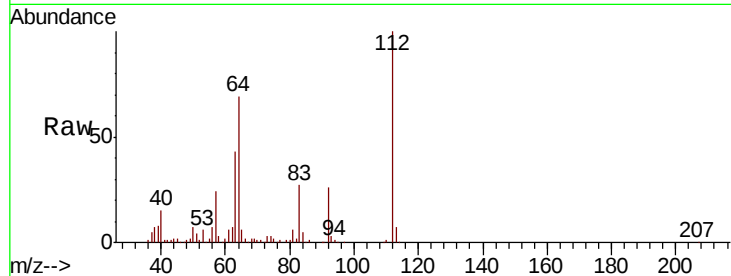
Tgt Ion: 112 Resp: 198974

Ion Ratio Lower Upper

112 100

64 69.2 55.9 83.9

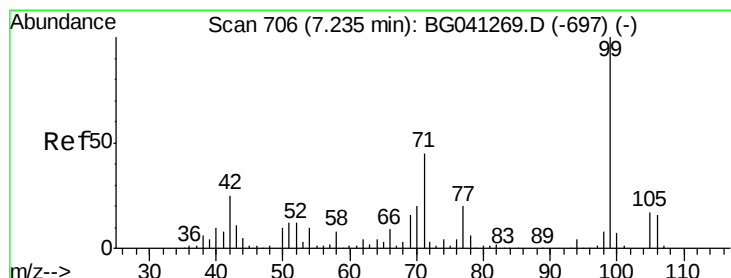
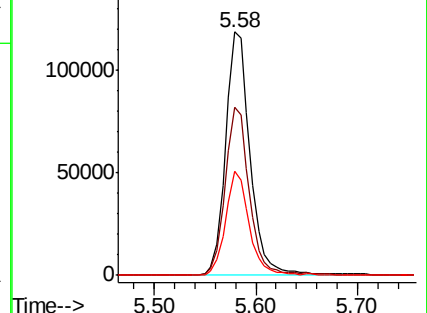
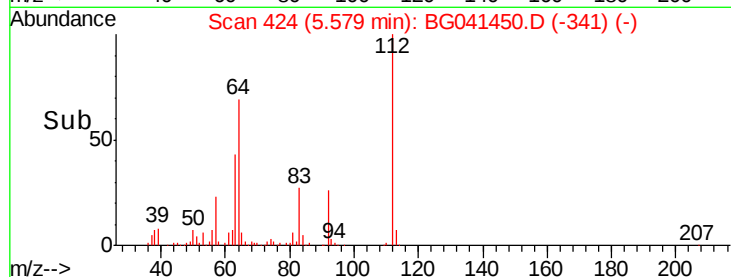
63 42.9 34.6 51.8



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: 113.943 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

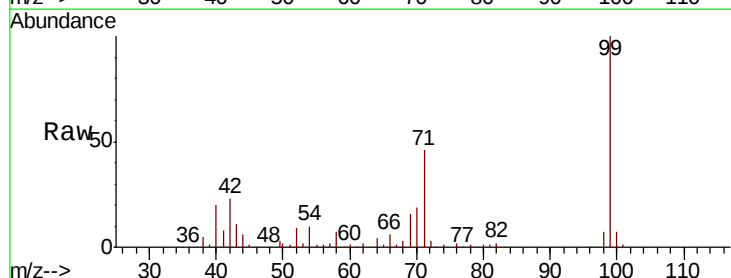
Tgt Ion: 99 Resp: 257341

Ion Ratio Lower Upper

99 100

42 23.5 19.9 29.9

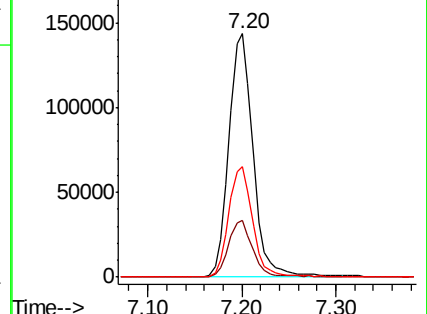
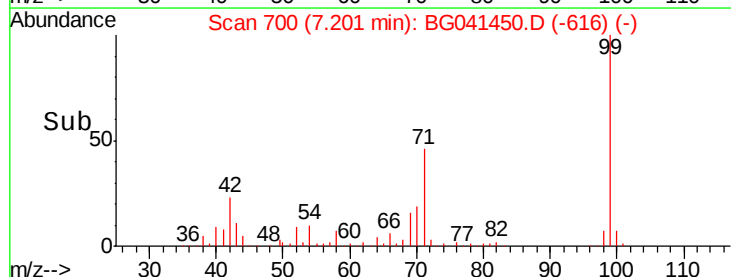
71 45.6 36.4 54.6

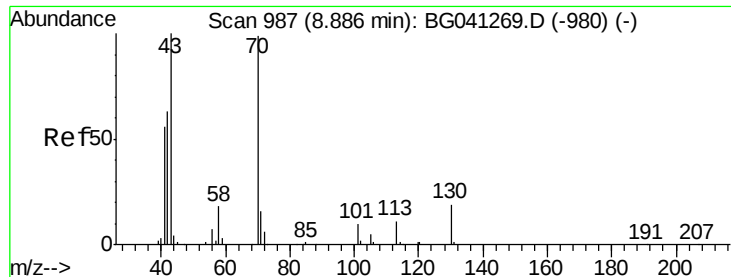


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.319 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

Instrument :

BNA_G

ClientSampled :

COMP-1

Tgt Ion: 70 Resp: 31635

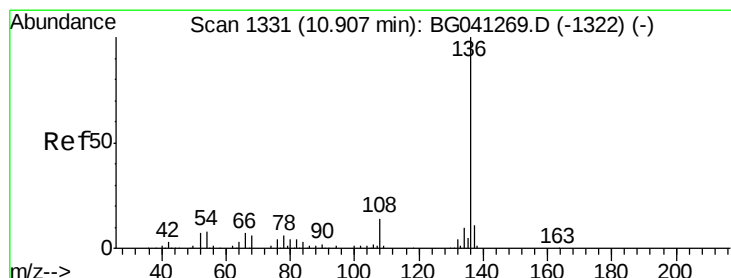
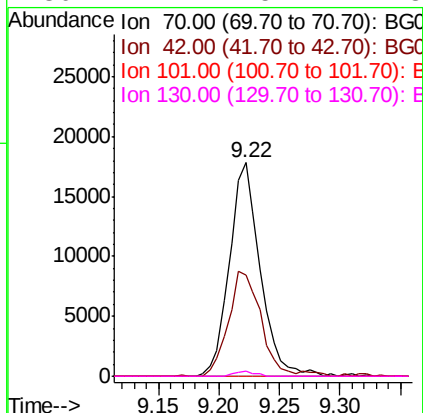
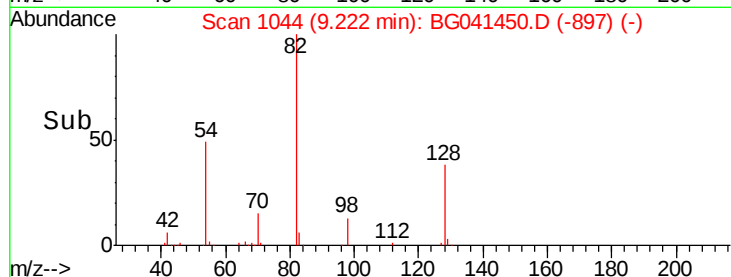
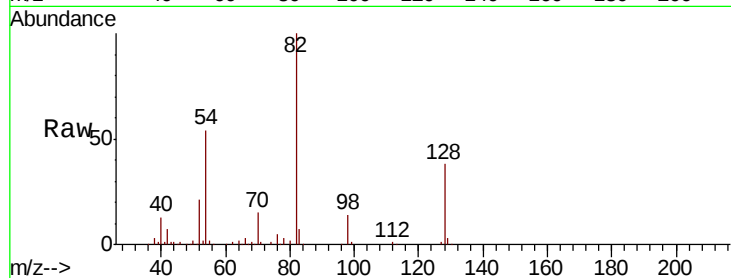
Ion Ratio Lower Upper

70 100

42 47.6 51.4 77.2#

101 0.0 8.2 12.2#

130 2.2 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

Tgt Ion: 136 Resp: 101206

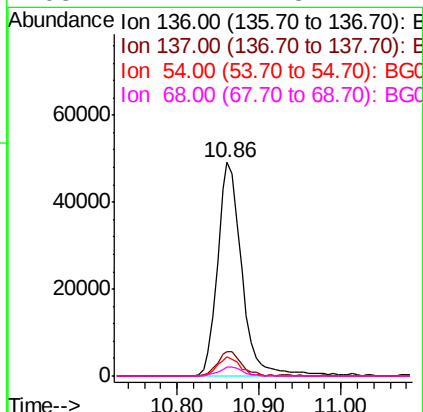
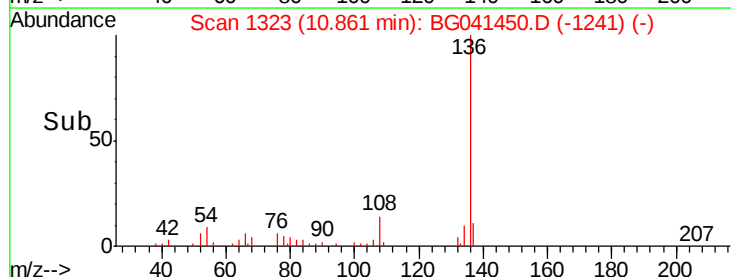
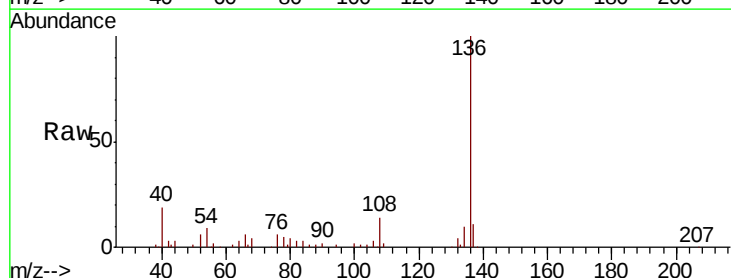
Ion Ratio Lower Upper

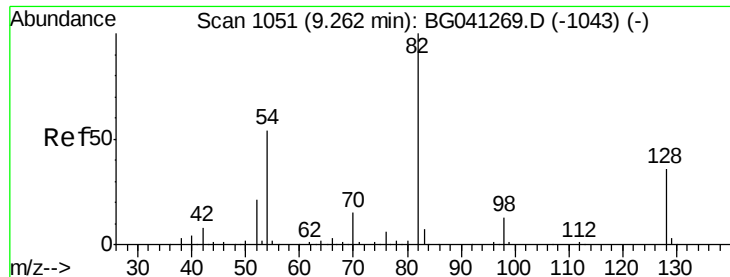
136 100

137 11.2 8.8 13.2

54 8.9 6.4 9.6

68 4.4 4.8 7.2#

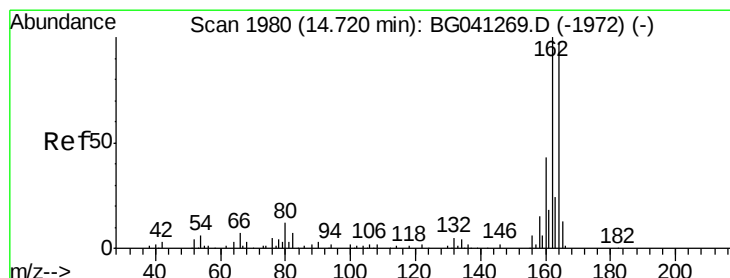
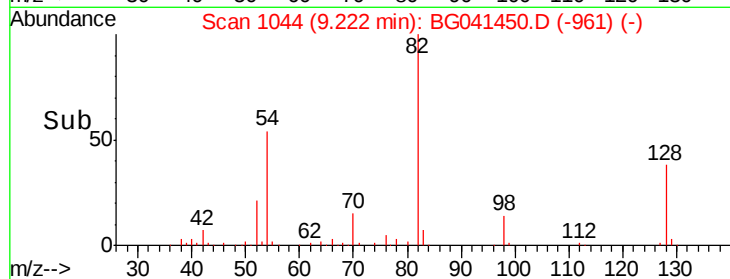
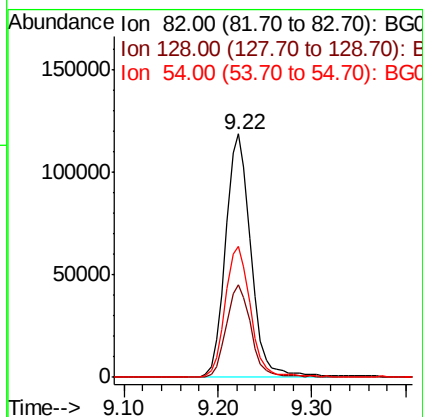
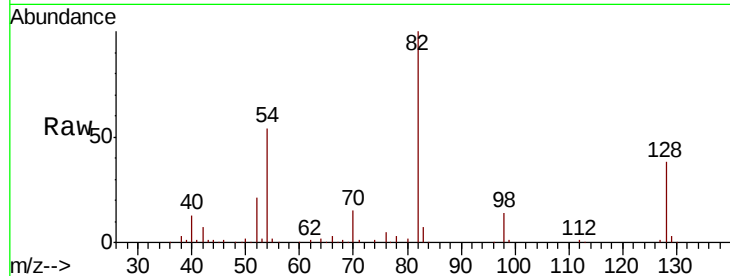




#23
 Nitrobenzene-d5
 Concen: 92.458 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

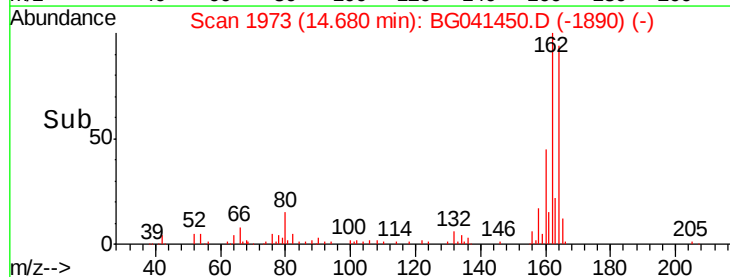
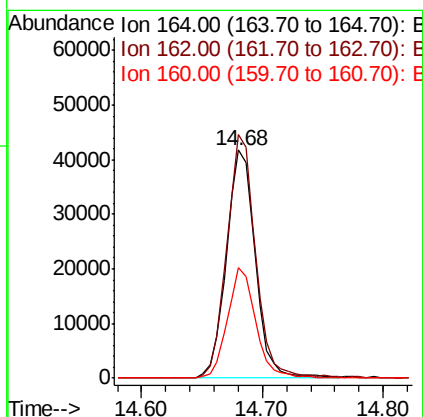
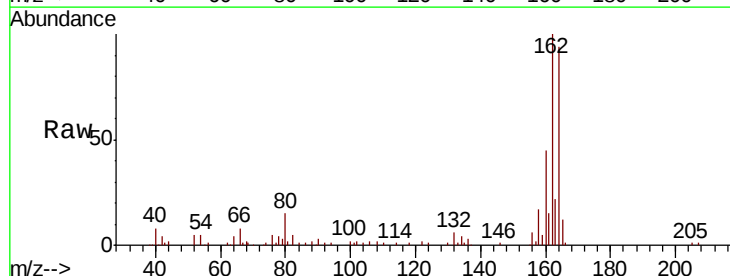
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

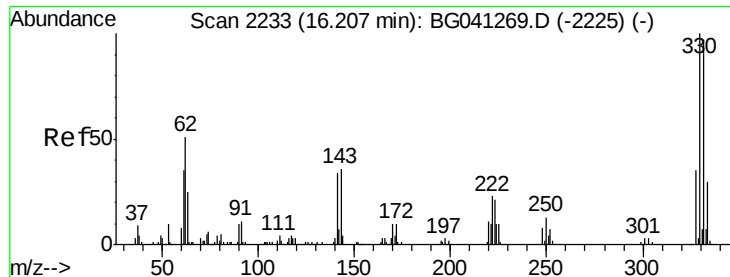
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.1	29.2	43.8
54	53.7	43.4	65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.8	124.2
160	48.2	35.8	53.8

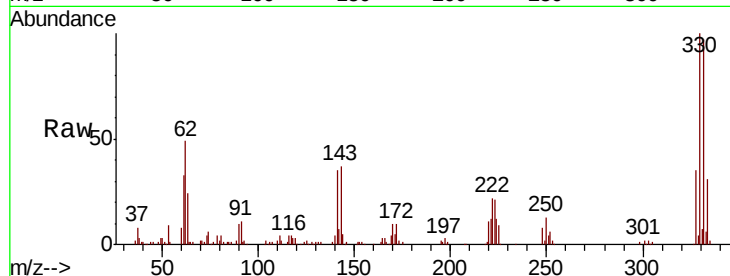




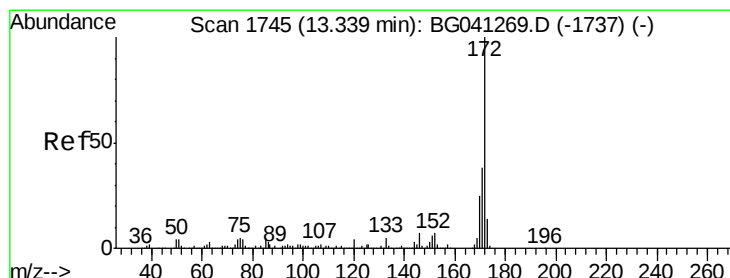
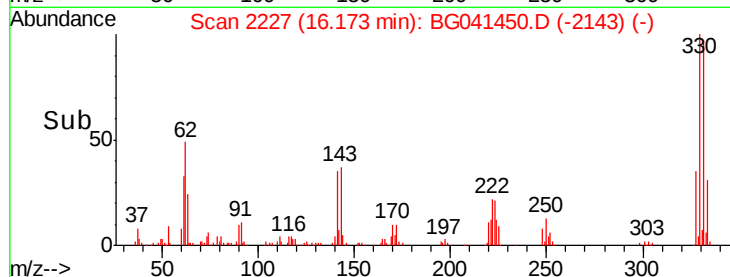
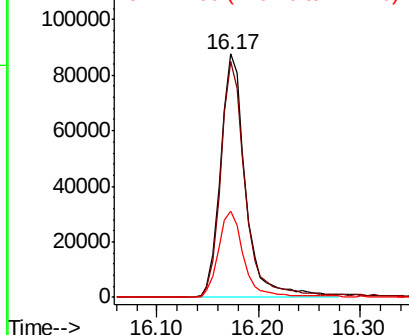
#42
 2,4,6-Tribromophenol
 Concen: 141.469 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Tgt Ion:330 Resp: 150647
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.5 113.3
 141 36.5 29.0 43.4

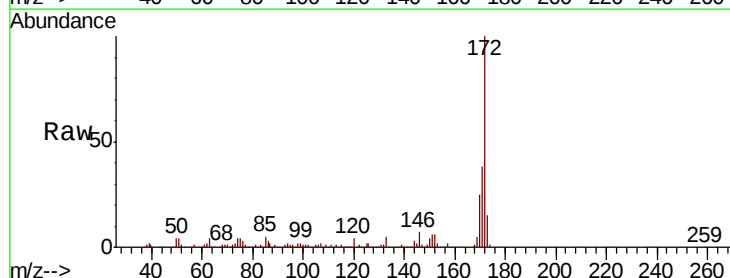


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

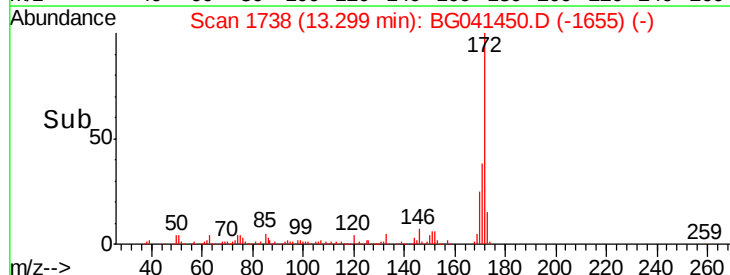
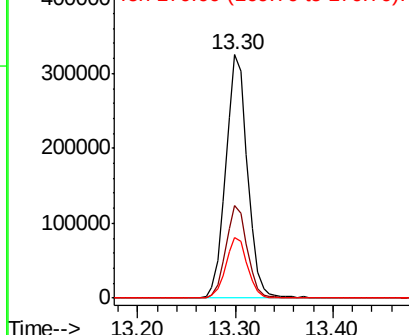


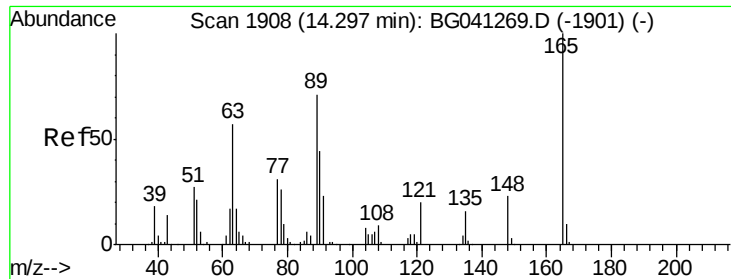
#45
 2-Fluorobiphenyl
 Concen: 98.284 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.04 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

Tgt Ion:172 Resp: 501581
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 24.8 19.8 29.6



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

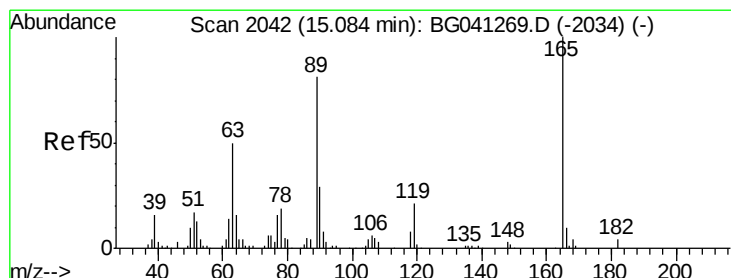
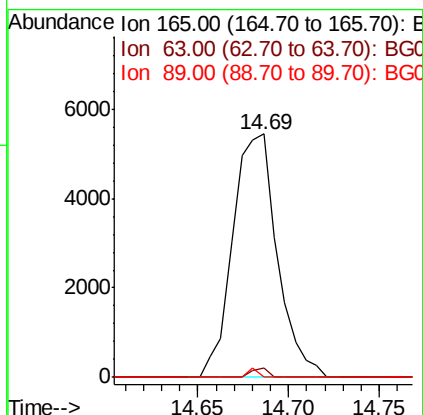
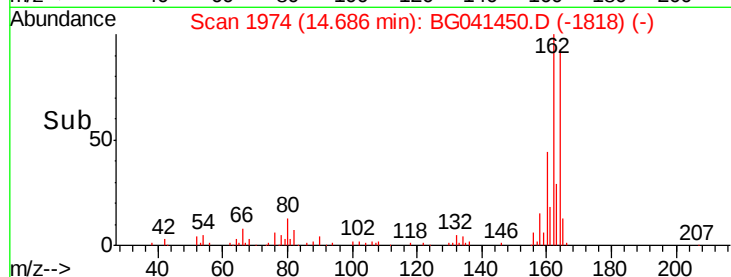
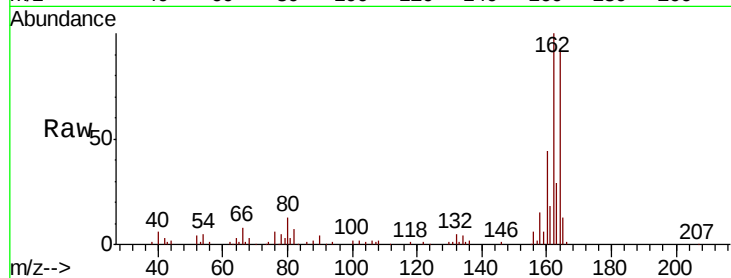




#51
 2,6-Dinitrotoluene
 Concen: 7.127 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.39 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

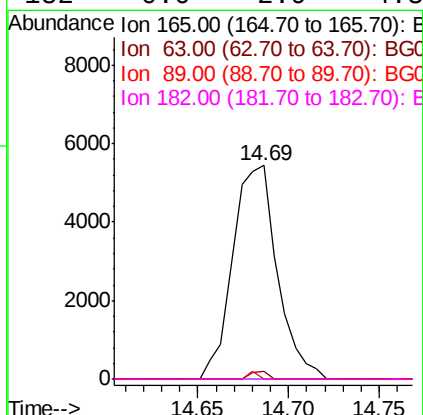
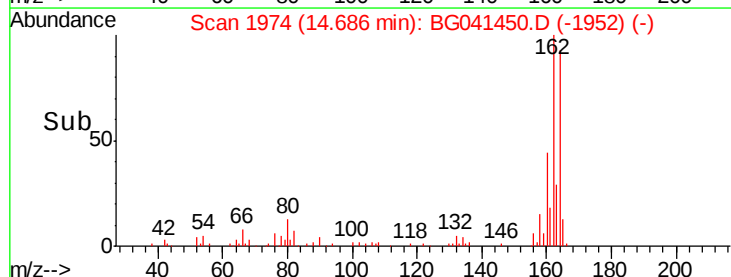
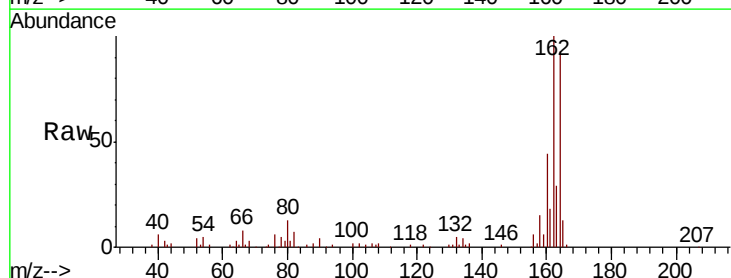
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

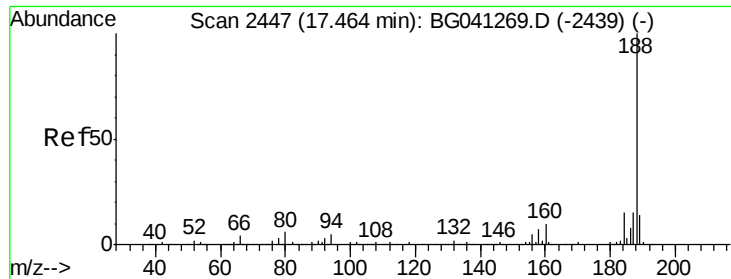
Tgt Ion:165 Resp: 9275
 Ion Ratio Lower Upper
 165 100
 63 3.7 55.4 83.0#
 89 0.0 56.5 84.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.876 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041450.D
 Acq: 25 Jun 2019 19:02

Tgt Ion:165 Resp: 9275
 Ion Ratio Lower Upper
 165 100
 63 3.7 40.0 60.0#
 89 0.0 64.6 96.8#
 182 0.0 2.9 4.3#

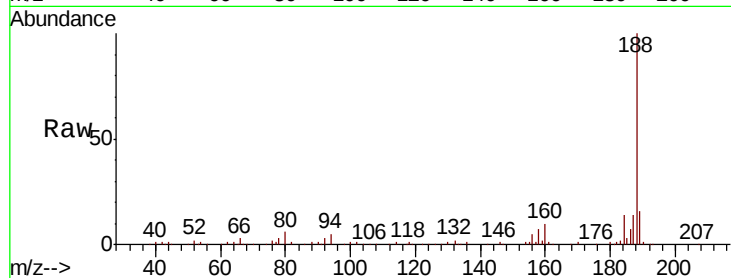




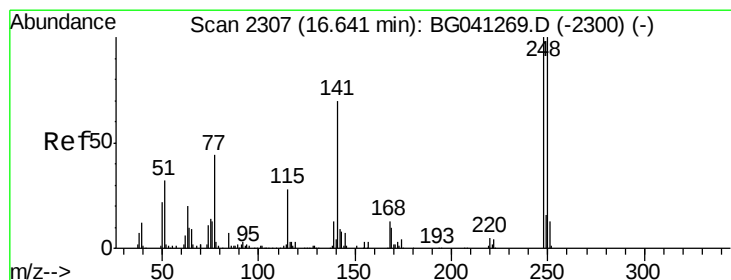
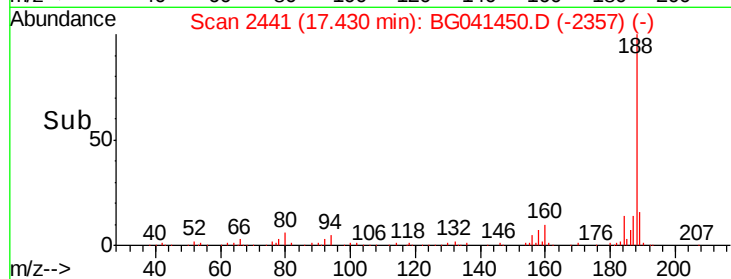
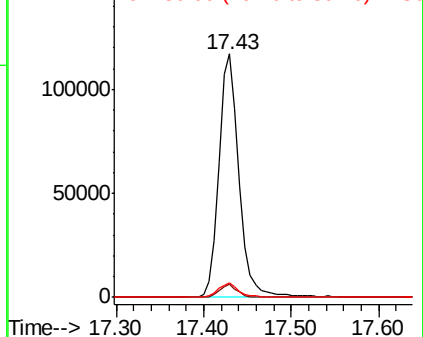
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.03 min
Lab File: BG041450.D
Acq: 25 Jun 2019 19:02

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 186252
Ion Ratio Lower Upper
188 100
94 5.3 3.6 5.4
80 5.8 4.8 7.2

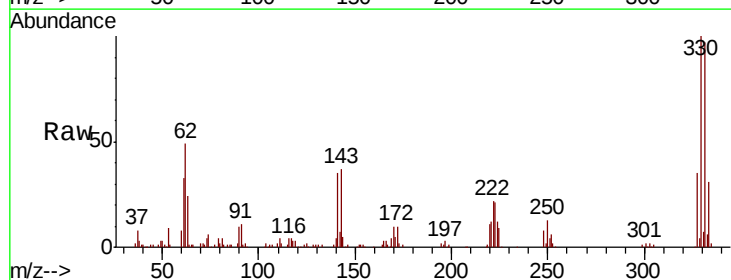


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

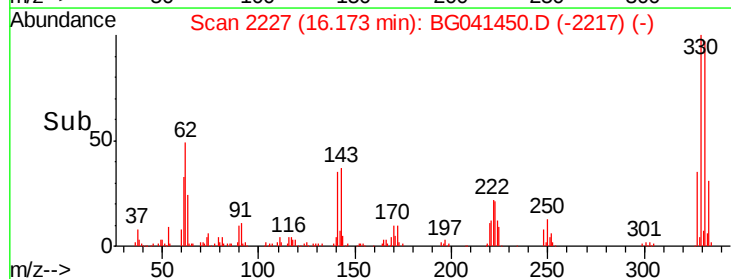
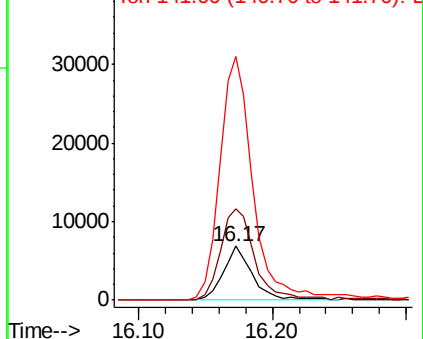


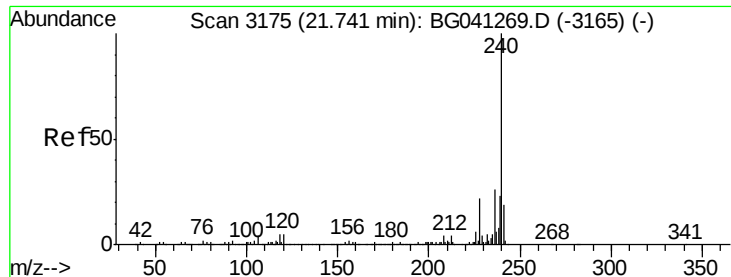
#67
4-Bromophenyl-phenylether
Concen: 4.373 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.47 min
Lab File: BG041450.D
Acq: 25 Jun 2019 19:02

Tgt Ion:248 Resp: 10532
Ion Ratio Lower Upper
248 100
250 170.3 79.8 119.8#
141 451.1 55.8 83.6#



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

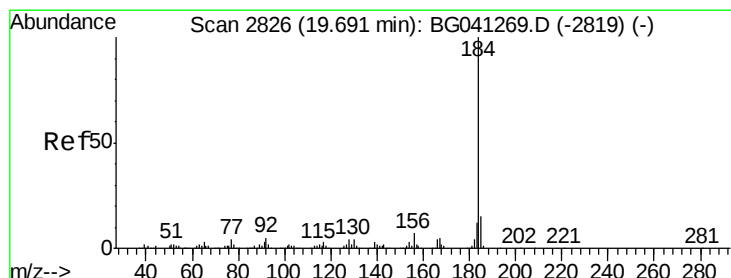
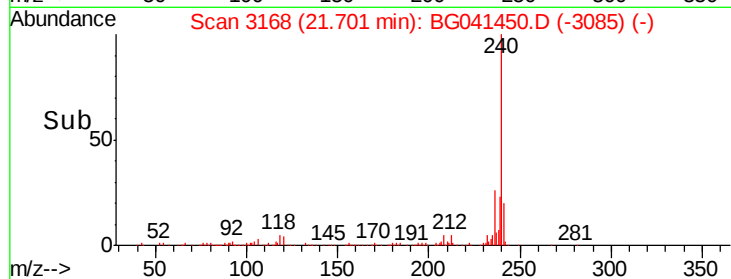
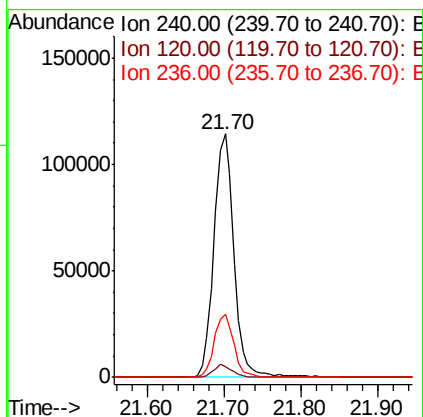
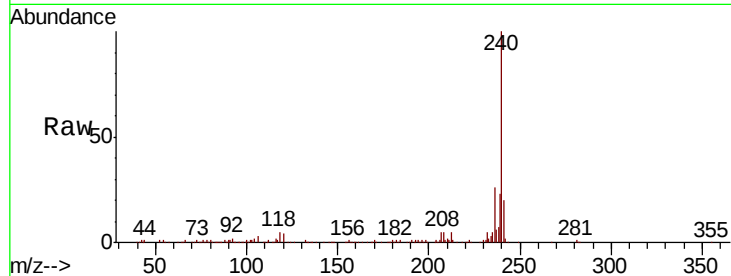




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041450.D
Acq: 25 Jun 2019 19:02

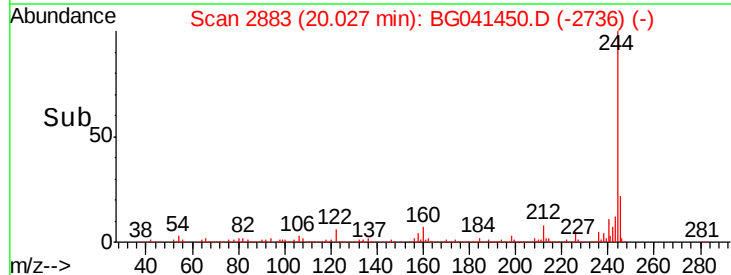
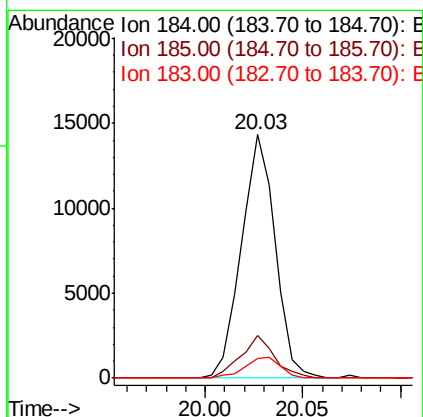
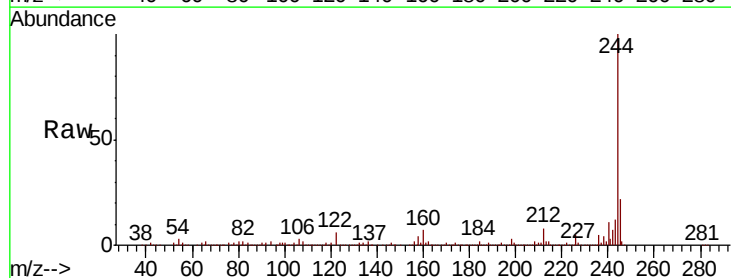
Instrument :
BNA_G
ClientSampleId :
COMP-1

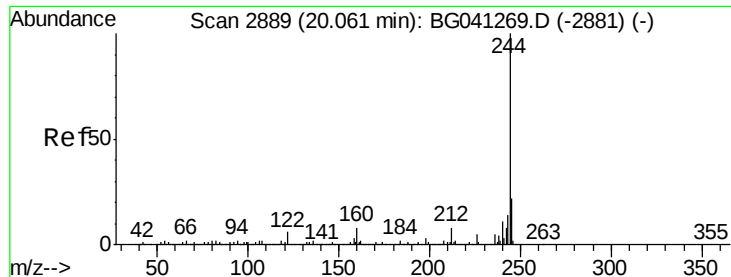
Tgt Ion:240 Resp: 204160
Ion Ratio Lower Upper
240 100
120 4.3 3.7 5.5
236 25.9 21.1 31.7



#77
Benzidine
Concen: 3.476 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041450.D
Acq: 25 Jun 2019 19:02

Tgt Ion:184 Resp: 17164
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.2
183 7.8 9.6 14.4#





#79

Terphenyl-d14

Concen: 101.798 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

Instrument :

BNA_G

ClientSampled :

COMP-1

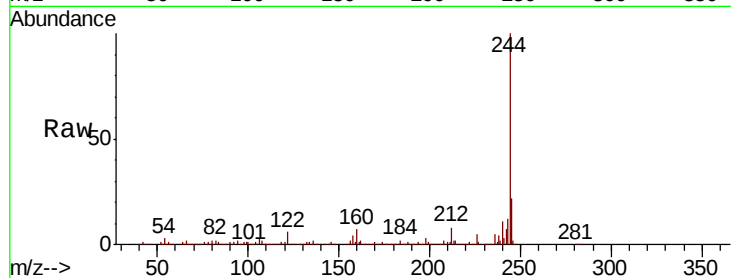
Tgt Ion:244 Resp: 1048699

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

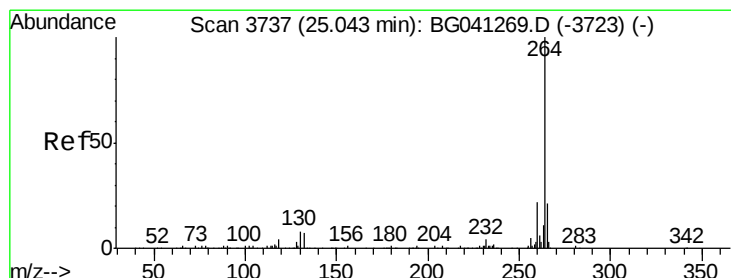
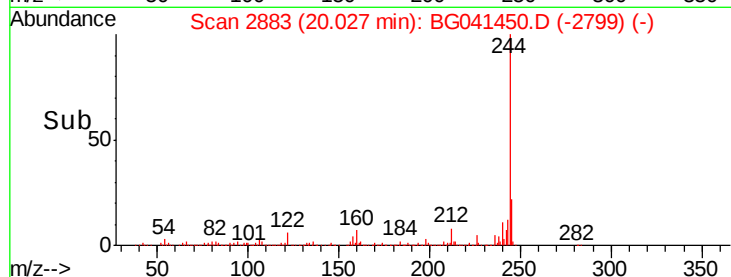
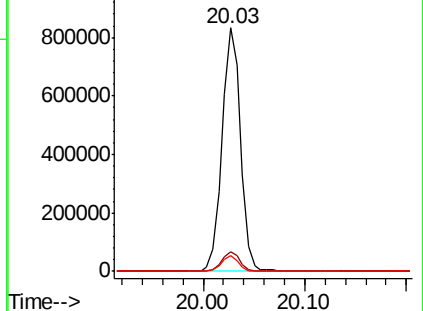
122 6.3 5.0 7.4



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: 24.98 min Scan# 3726

Delta R.T. -0.06 min

Lab File: BG041450.D

Acq: 25 Jun 2019 19:02

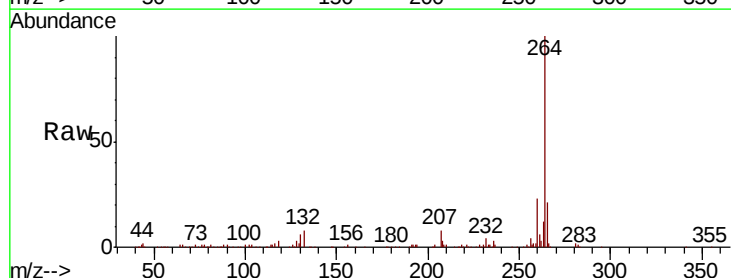
Tgt Ion:264 Resp: 215467

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.2

265 20.8 17.2 25.8



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

