

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041457.D
 Acq On : 25 Jun 2019 23:28
 Operator : HP/JU
 Sample : K3512-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

Quant Time: Jun 26 04:22:37 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

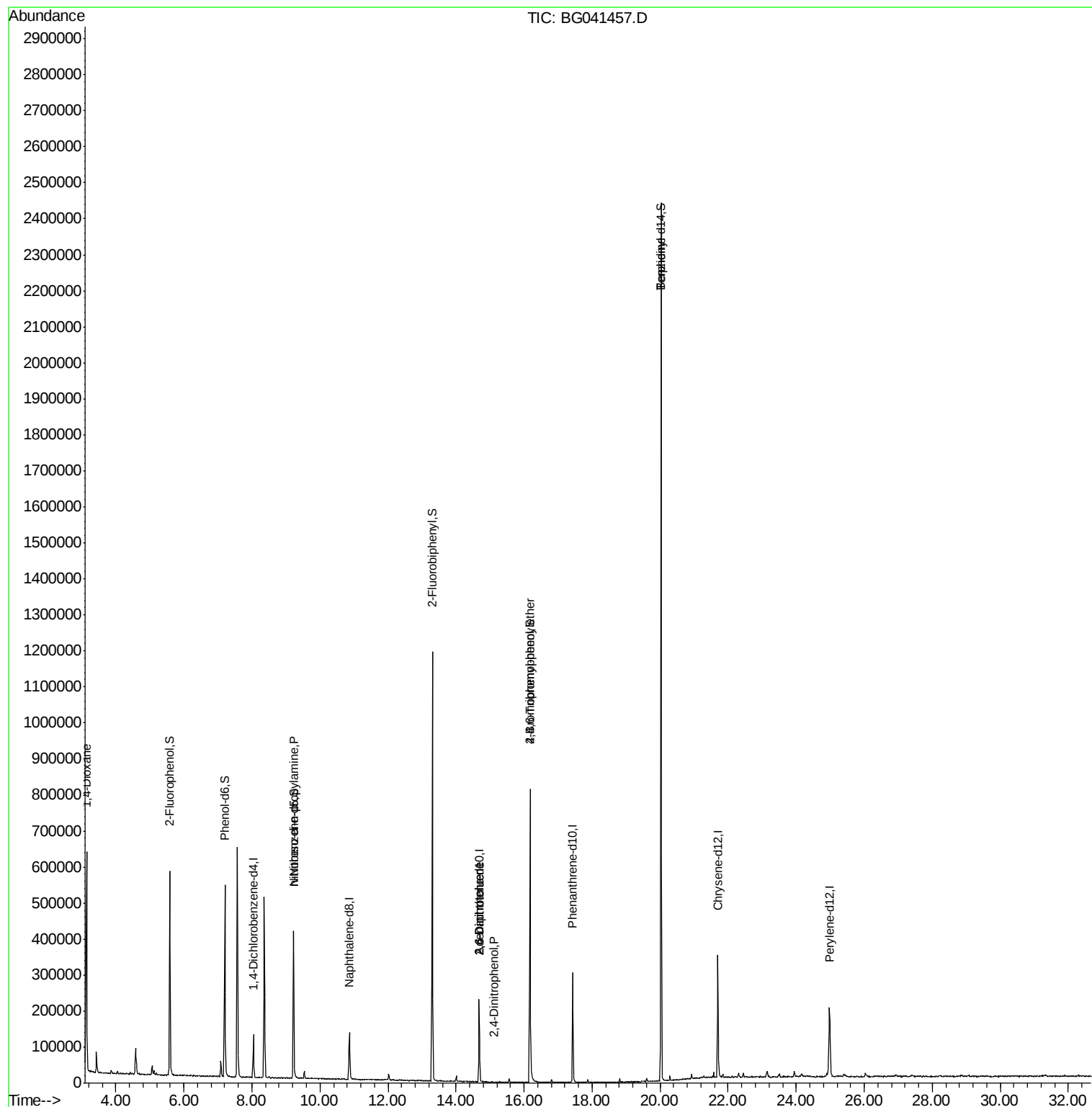
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	33569	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	113175	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	79455	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	207761	20.00	ng	-0.04
76) Chrysene-d12	21.70	240	214707	20.00	ng	-0.04
87) Perylene-d12	24.98	264	229046	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	226575	124.02	ng	-0.04
7) Phenol-d6	7.20	99	284963	107.61	ng	-0.03
23) Nitrobenzene-d5	9.22	82	258736	96.15	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	175446	143.83	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	583825	99.87	ng	-0.04
79) Terphenyl-d14	20.03	244	1128271	104.14	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	6289	6.865	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	36072	16.842	ng	# 78
51) 2,6-Dinitrotoluene	14.68	165	10847	7.277	ng	# 18
54) 2,4-Dinitrophenol	15.10	184	55	4.894	ng	# 13
57) 2,4-Dinitrotoluene	14.68	165	10847	4.978	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	12415	4.621	ng	# 1
77) Benzidine	20.03	184	18745	3.609	ng	# 93

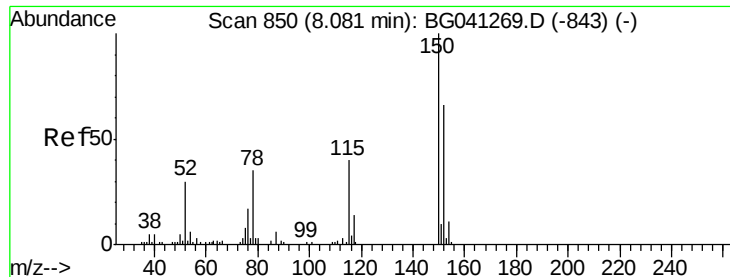
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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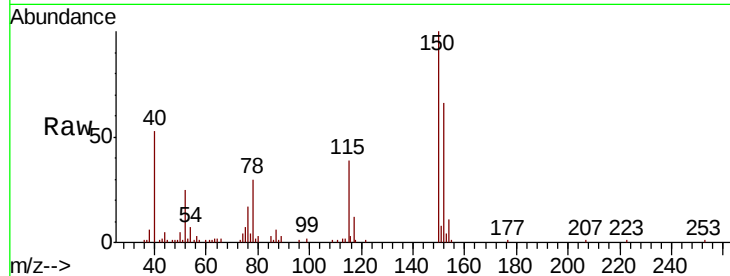


#1

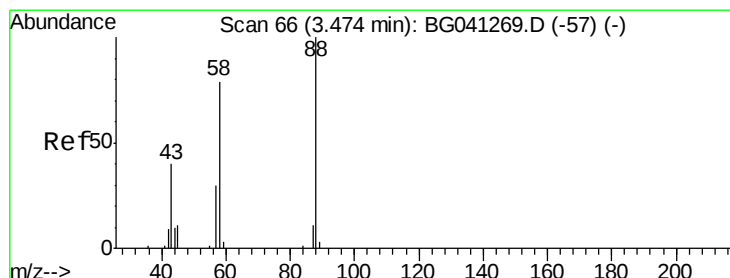
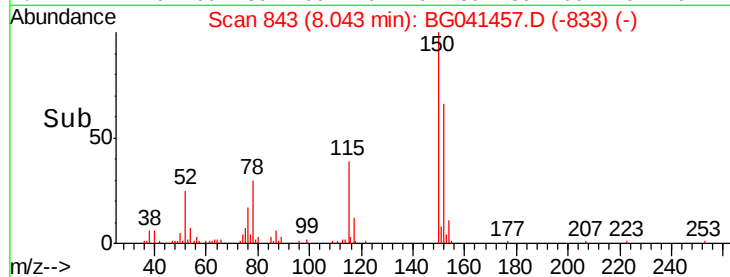
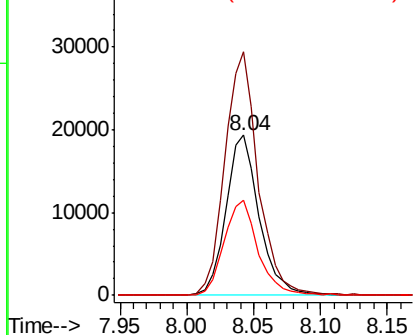
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041457.D
Acq: 25 Jun 2019 23:28

Instrument :
BNA_G
ClientSampleId :
SAMPLE-7

Tgt Ion:152 Resp: 33569
Ion Ratio Lower Upper
152 100
150 152.0 120.6 181.0
115 59.6 47.9 71.9



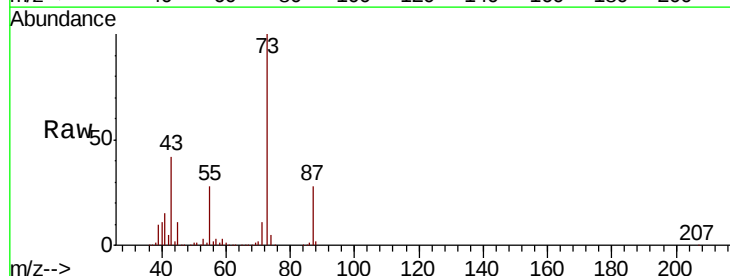
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



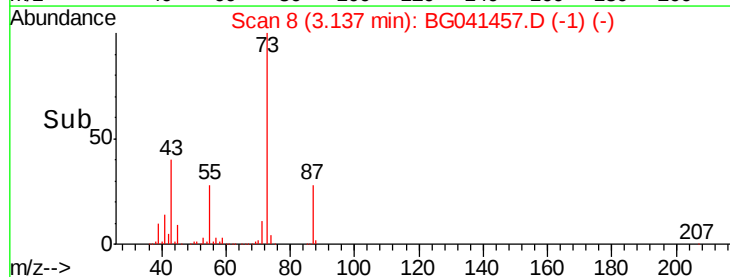
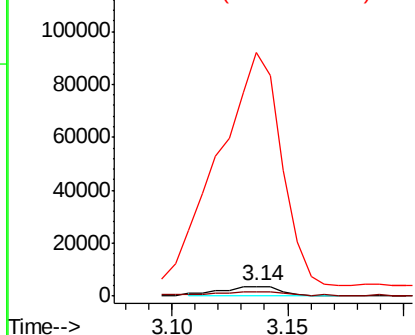
#2

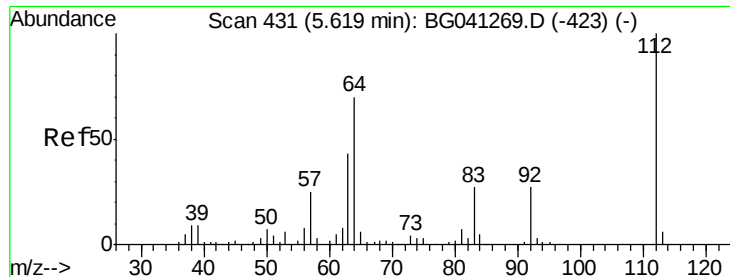
1,4-Dioxane
Concen: 6.865 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.34 min
Lab File: BG041457.D
Acq: 25 Jun 2019 23:28

Tgt Ion: 88 Resp: 6289
Ion Ratio Lower Upper
88 100
58 40.3 59.7 89.5#
43 2481.2 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: 124.017 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.04 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

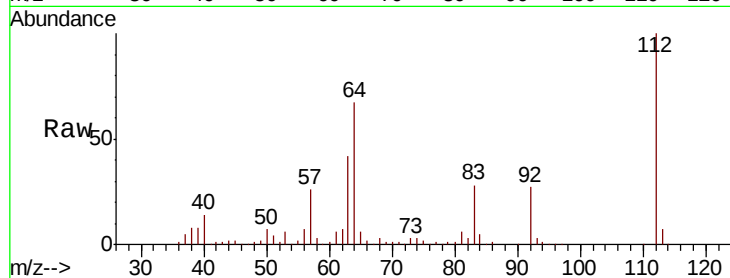
Tgt Ion: 112 Resp: 226575

Ion Ratio Lower Upper

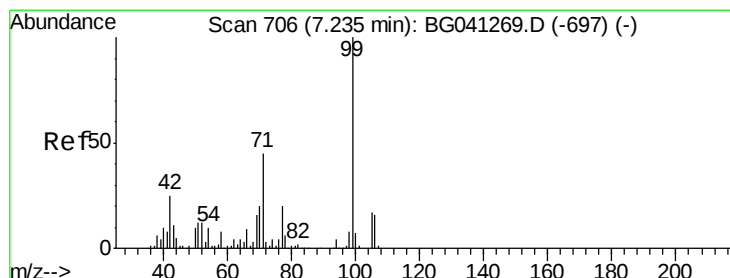
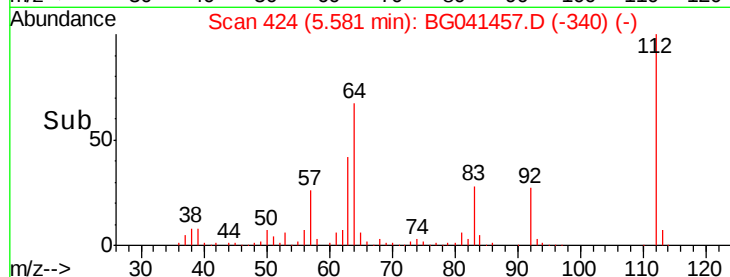
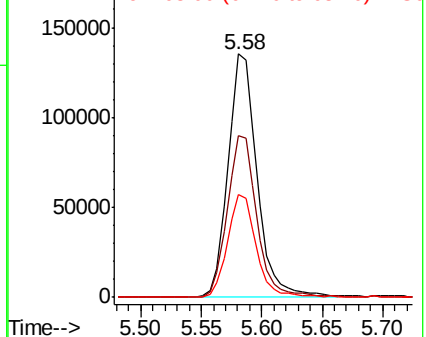
112 100

64 66.6 55.9 83.9

63 42.4 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: 107.606 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

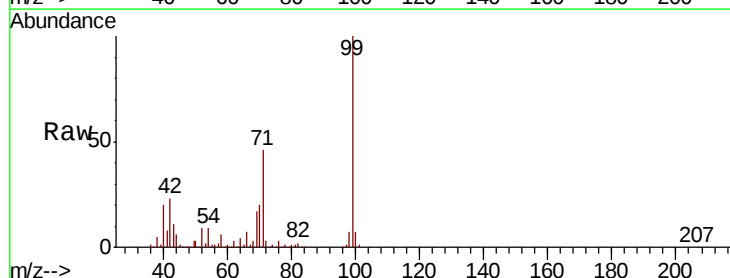
Tgt Ion: 99 Resp: 284963

Ion Ratio Lower Upper

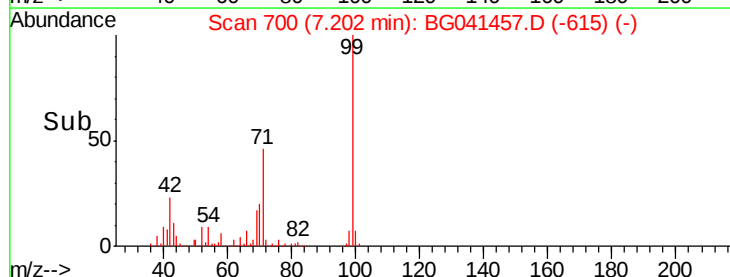
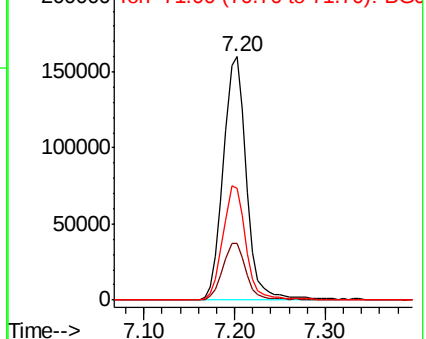
99 100

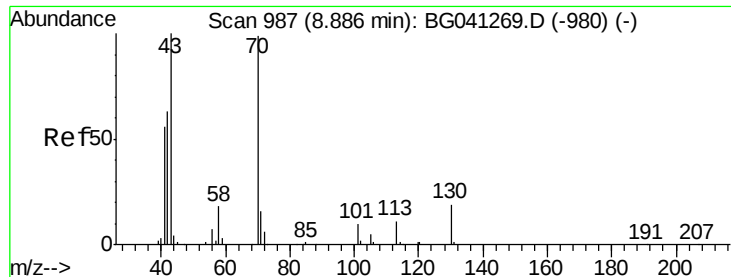
42 23.2 19.9 29.9

71 45.8 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: 16.842 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

Tgt Ion: 70 Resp: 36072

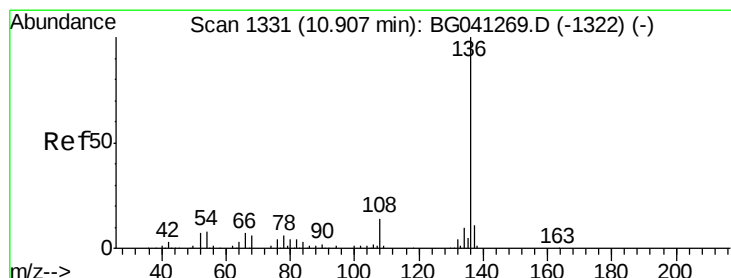
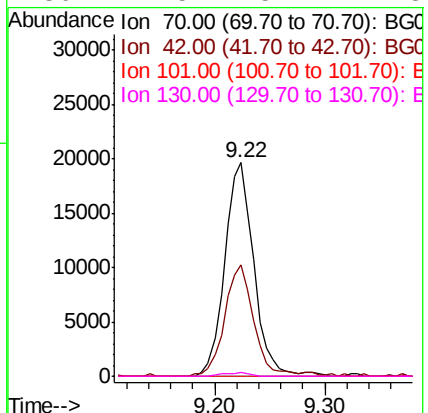
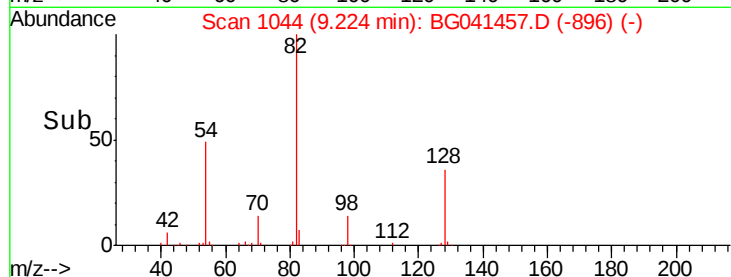
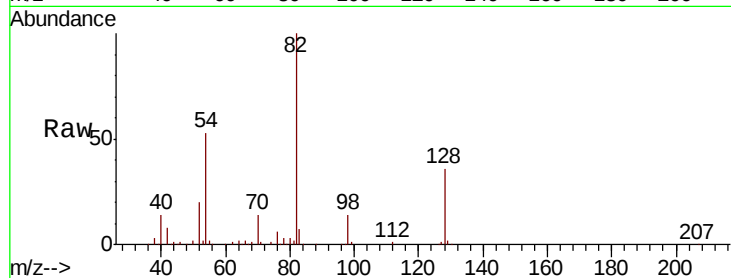
Ion Ratio Lower Upper

70 100

42 52.2 51.4 77.2

101 0.0 8.2 12.2#

130 1.5 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.04 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

Tgt Ion: 136 Resp: 113175

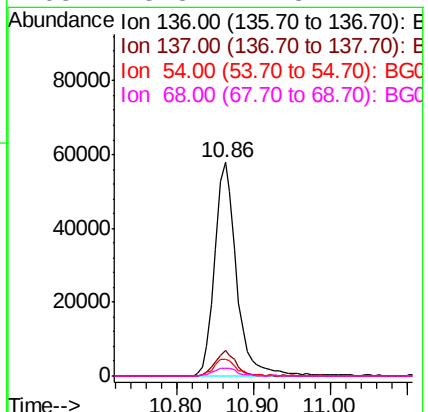
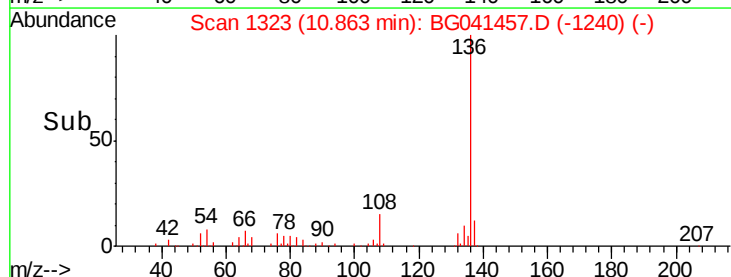
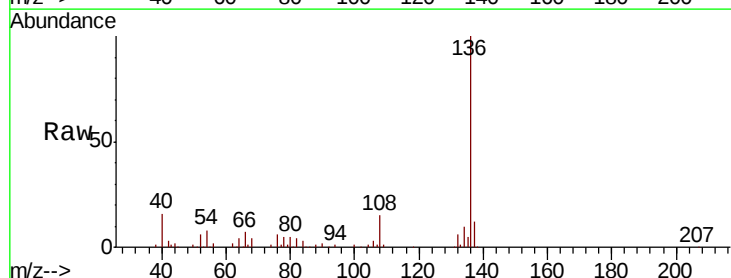
Ion Ratio Lower Upper

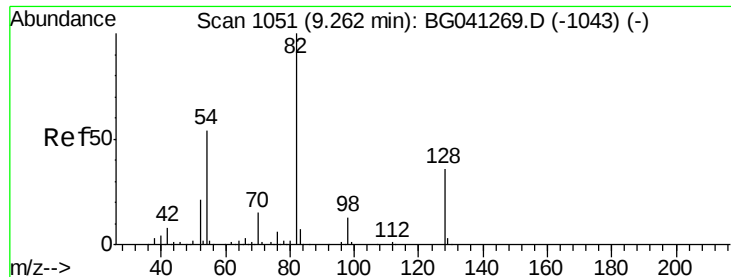
136 100

137 11.7 8.8 13.2

54 7.7 6.4 9.6

68 3.8 4.8 7.2#

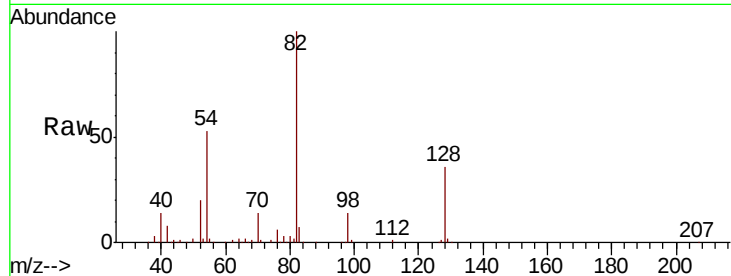




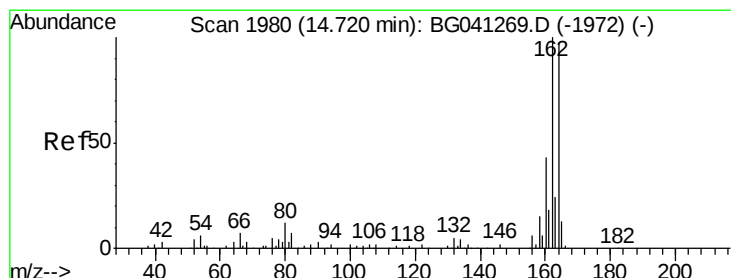
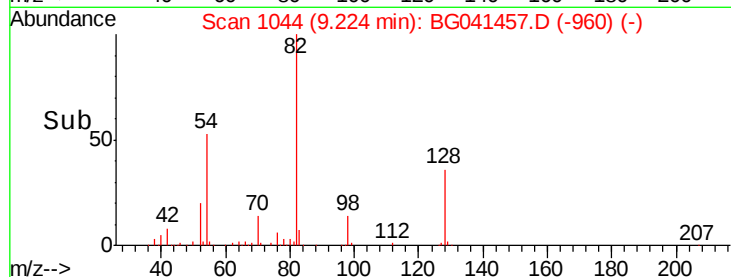
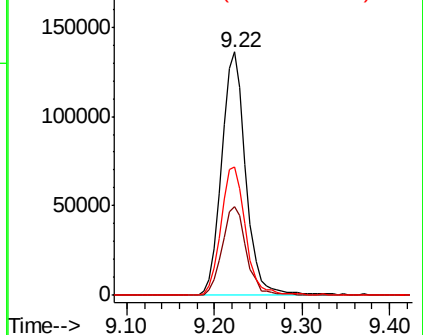
#23
 Nitrobenzene-d5
 Concen: 96.147 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.2	43.8
54	52.9	43.4	65.0

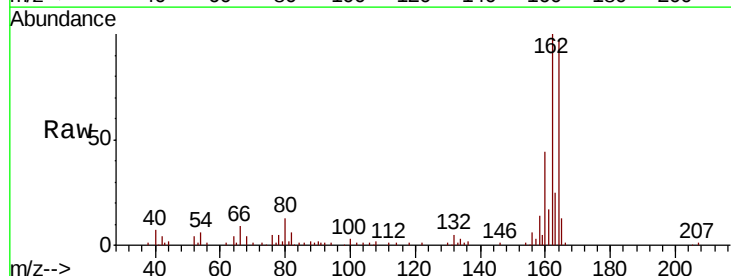


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

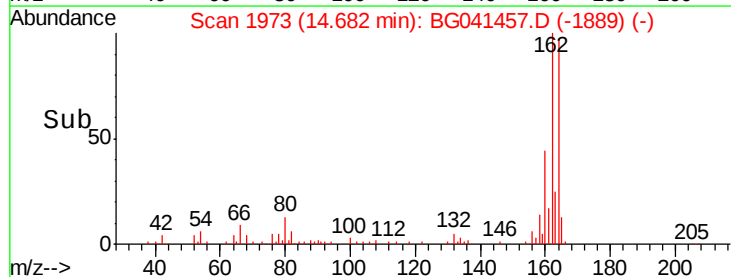
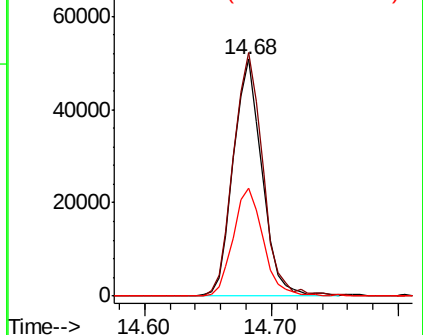


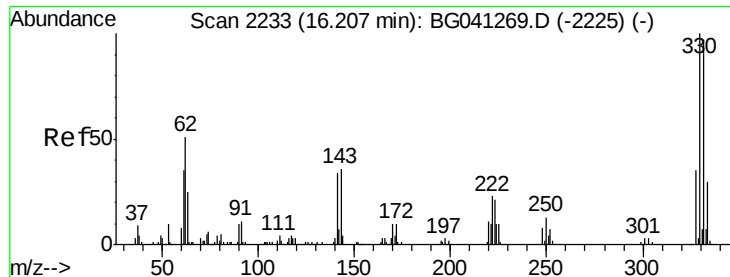
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.8	124.2
160	45.3	35.8	53.8



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: 143.831 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

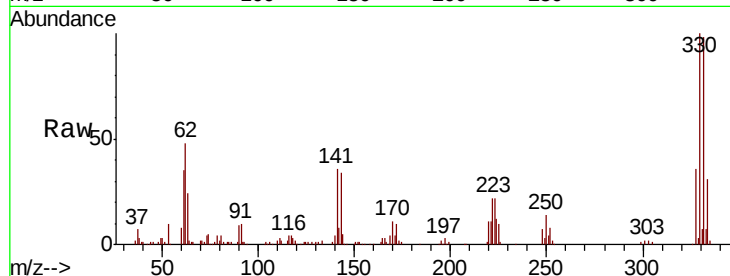
Tgt Ion:330 Resp: 175446

Ion Ratio Lower Upper

330 100

332 94.2 75.5 113.3

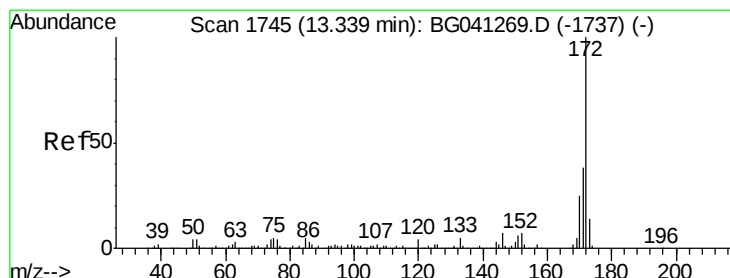
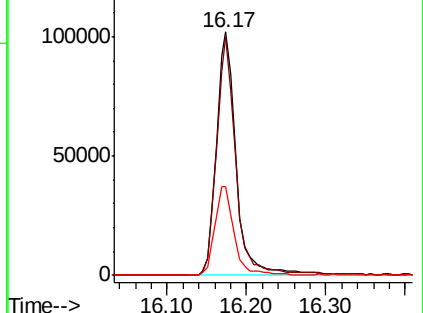
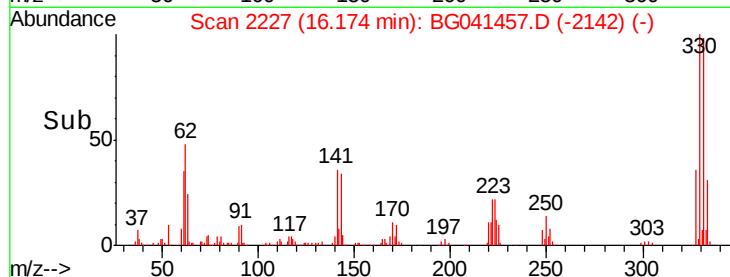
141 35.9 29.0 43.4



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: 99.869 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.04 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

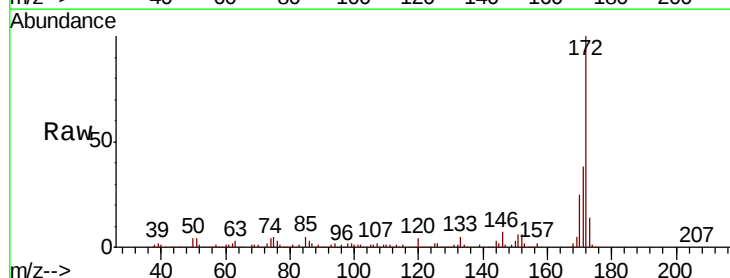
Tgt Ion:172 Resp: 583825

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

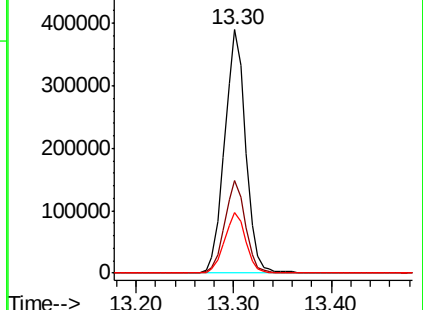
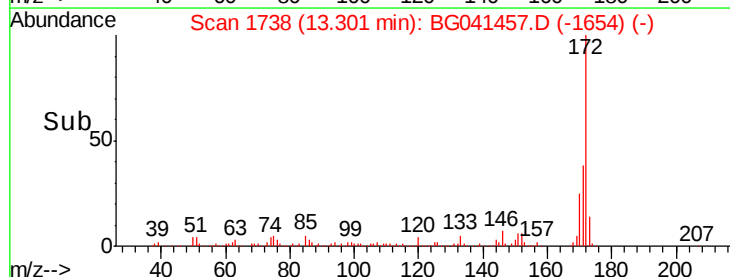
170 24.7 19.8 29.6

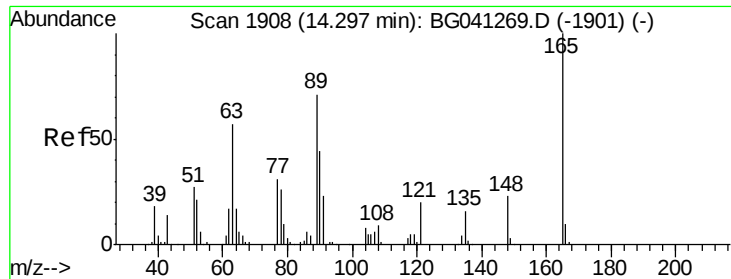


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

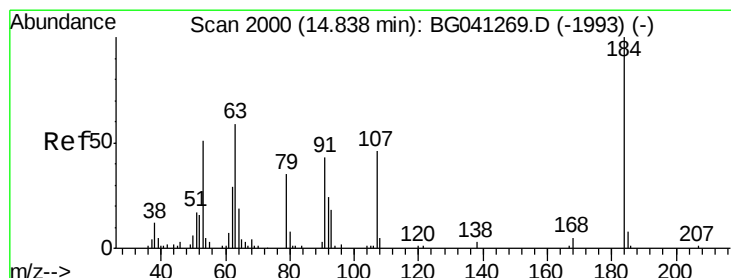
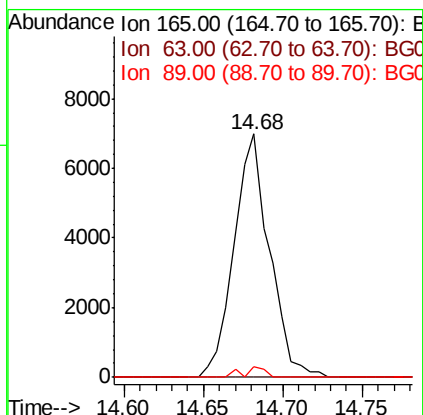
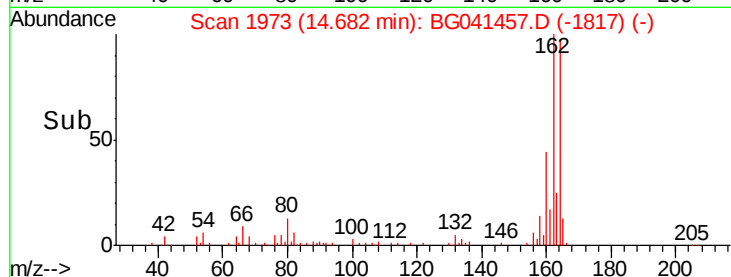
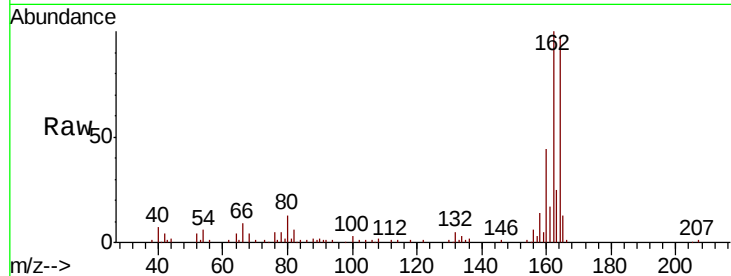




#51
 2,6-Dinitrotoluene
 Concen: 7.277 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.38 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

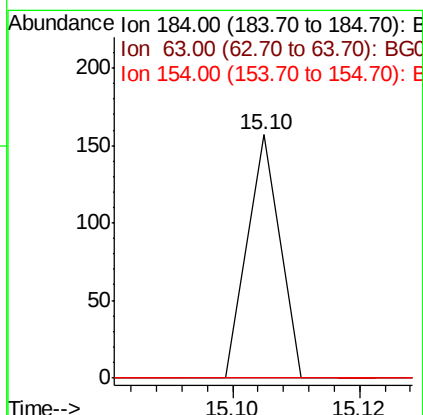
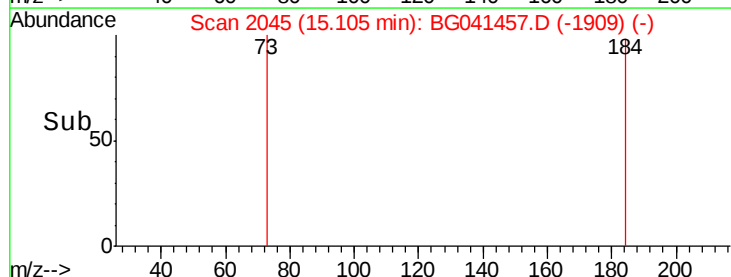
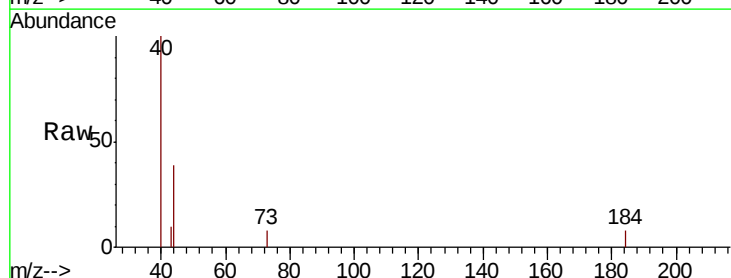
Instrument :
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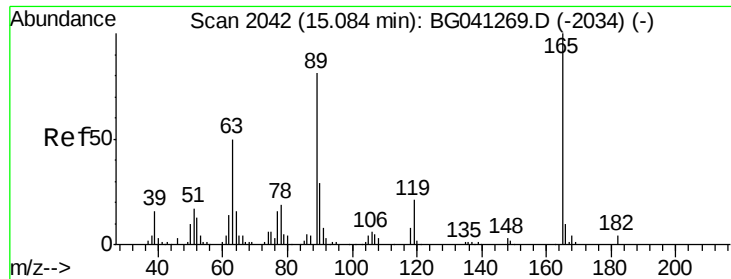
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	4.5	56.5	84.7#



#54
 2,4-Dinitrophenol
 Concen: 4.894 ng
 RT: 15.10 min Scan# 2045
 Delta R.T. 0.27 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	60.0	90.0#
154	0.0	58.3	87.5#

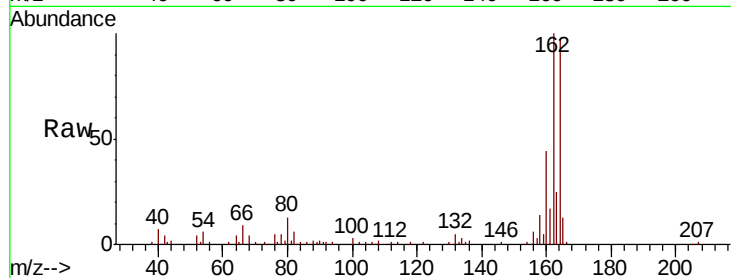




#57
 2,4-Dinitrotoluene
 Concen: 4.978 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.40 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	4.5	64.6	96.8#
182	0.0	2.9	4.3#

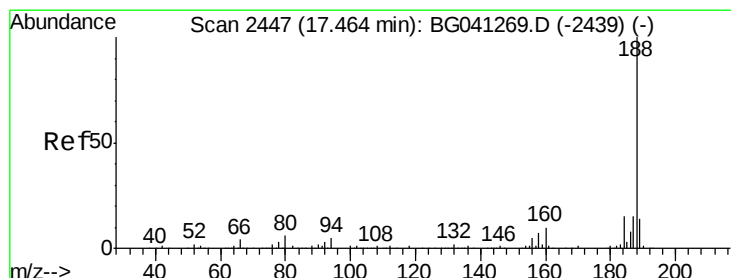
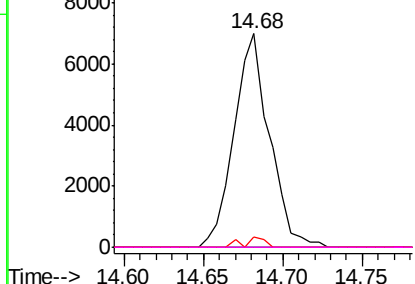
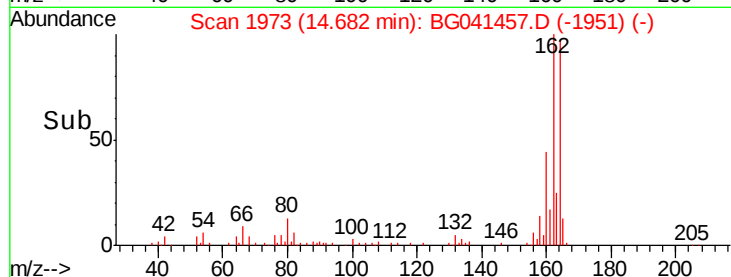


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

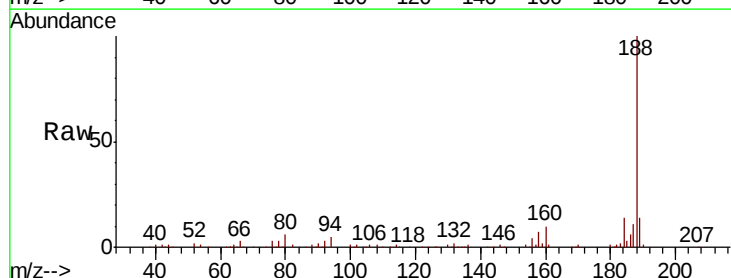
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.04 min
 Lab File: BG041457.D
 Acq: 25 Jun 2019 23:28

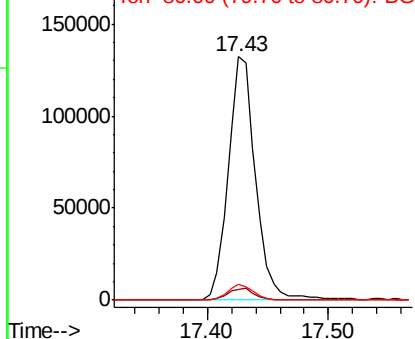
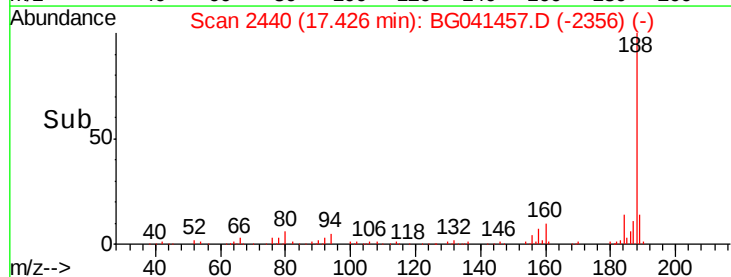
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.6	5.4
80	6.3	4.8	7.2

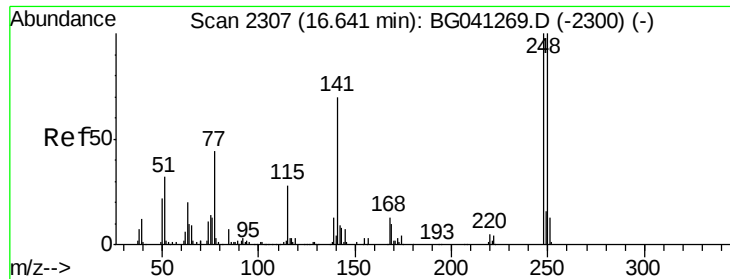


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

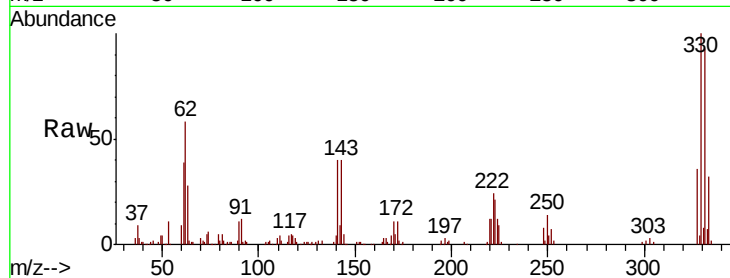




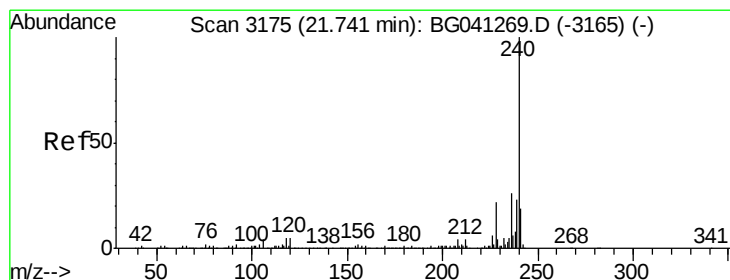
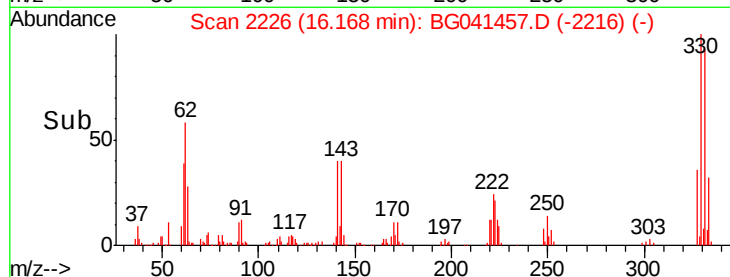
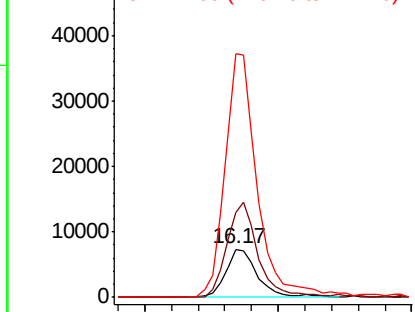
#67
4-Bromophenyl-phenylether
Concen: 4.621 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.47 min
Lab File: BG041457.D
Acq: 25 Jun 2019 23:28

Instrument :
BNA_G
ClientSampleId :
SAMPLE-7

Tgt Ion:248 Resp: 12415
Ion Ratio Lower Upper
248 100
250 172.5 79.8 119.8#
141 385.8 55.8 83.6#

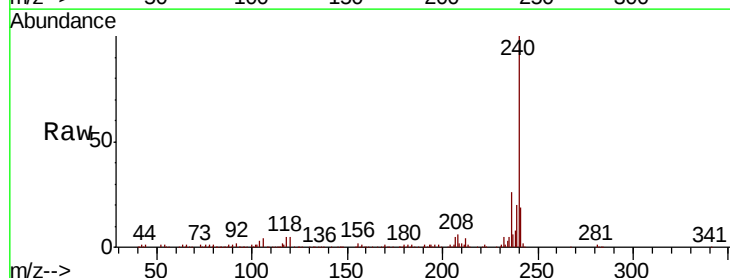


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

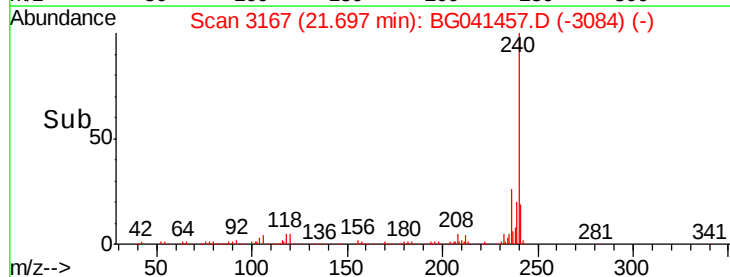
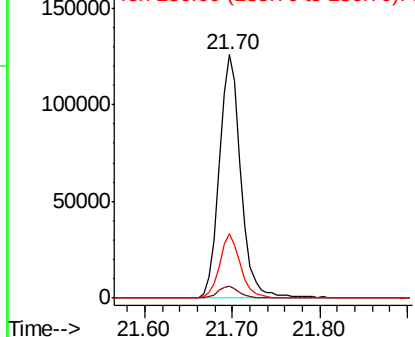


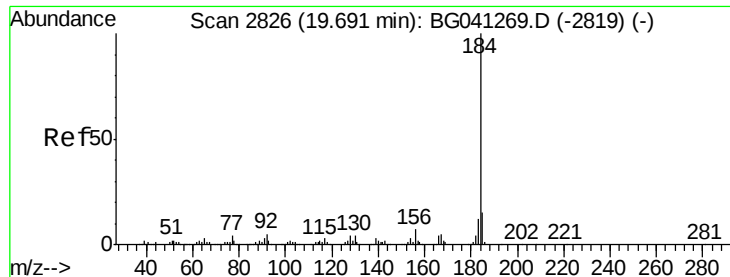
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG041457.D
Acq: 25 Jun 2019 23:28

Tgt Ion:240 Resp: 214707
Ion Ratio Lower Upper
240 100
120 5.0 3.7 5.5
236 26.2 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: 3.609 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

Instrument :

BNA_G

ClientSampleId :

SAMPLE-7

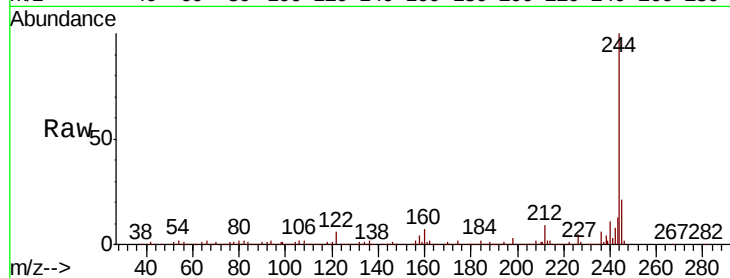
Tgt Ion:184 Resp: 18745

Ion Ratio Lower Upper

184 100

185 13.8 12.2 18.2

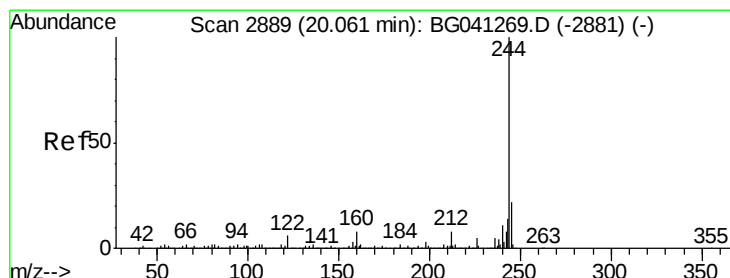
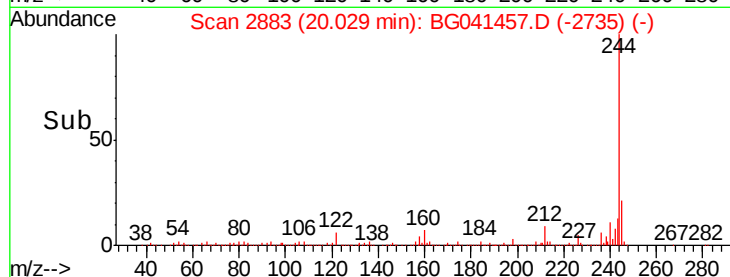
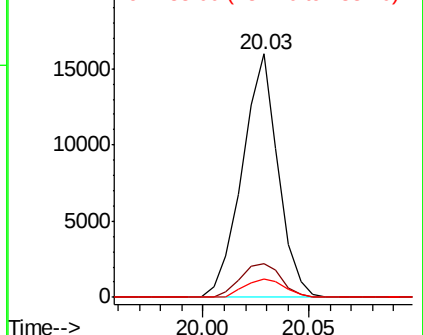
183 7.6 9.6 14.4#



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: 104.142 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041457.D

Acq: 25 Jun 2019 23:28

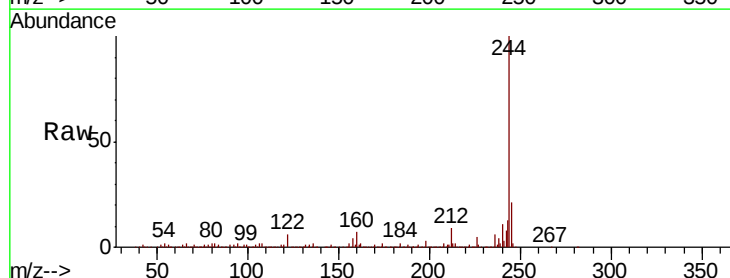
Tgt Ion:244 Resp: 1128271

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

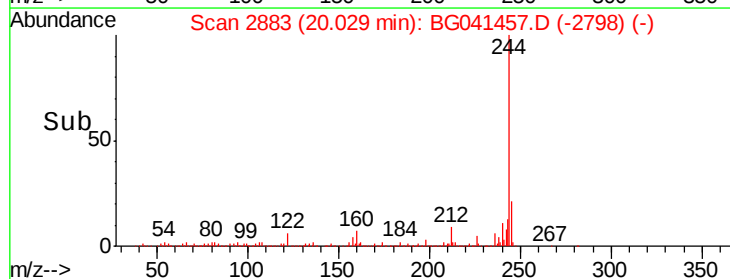
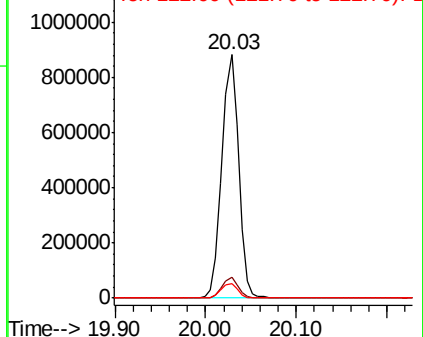
122 6.0 5.0 7.4

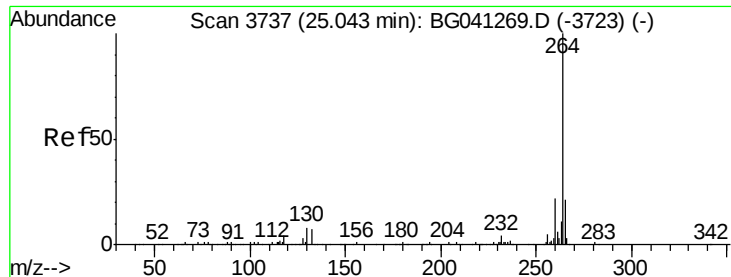


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041457.D
 Acq: 25 Jun 2019 23:28

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-7

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.2
265	20.0	17.2	25.8

