

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041448.D
 Acq On : 25 Jun 2019 17:46
 Operator : HP/JU
 Sample : K3510-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-062419

Quant Time: Jun 26 04:20:54 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

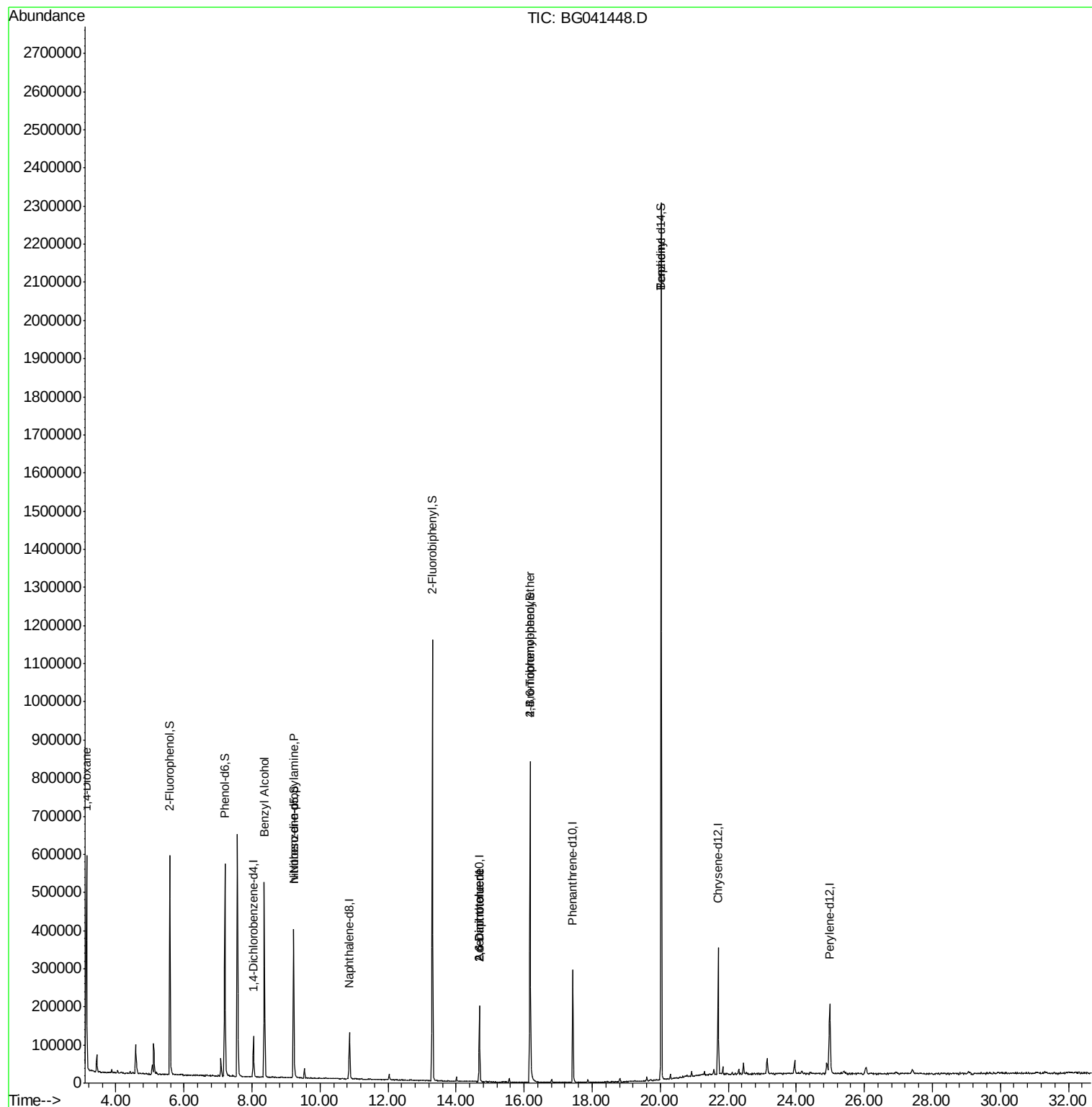
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	29350	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	104041	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	74481	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	194511	20.00	ng	-0.04
76) Chrysene-d12	21.70	240	210838	20.00	ng	-0.04
87) Perylene-d12	24.98	264	217962	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	226591	141.85	ng	-0.04
7) Phenol-d6	7.20	99	297317	128.41	ng	-0.04
23) Nitrobenzene-d5	9.22	82	248314	100.38	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	177052	154.84	ng	-0.04
45) 2-Fluorobiphenyl	13.30	172	574538	104.84	ng	-0.04
79) Terphenyl-d14	20.03	244	1135234	106.71	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.13	88	6461	8.066	ng	# 1
15) Benzyl Alcohol	8.36	79	4738	2.136	ng	# 53
19) n-Nitroso-di-n-propylamine	9.22	70	36043	19.247	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	9663	6.915	ng	# 15
57) 2,4-Dinitrotoluene	14.68	165	9663	4.731	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	12455	4.952	ng	# 1
77) Benzidine	20.03	184	18523	3.632	ng	# 92

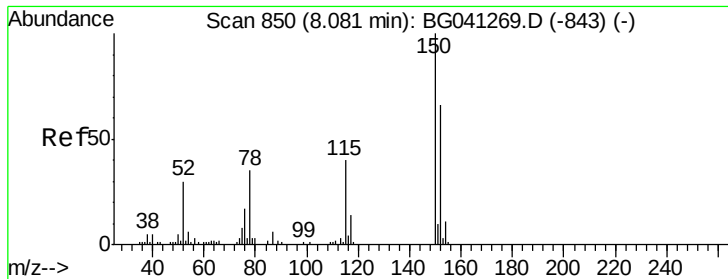
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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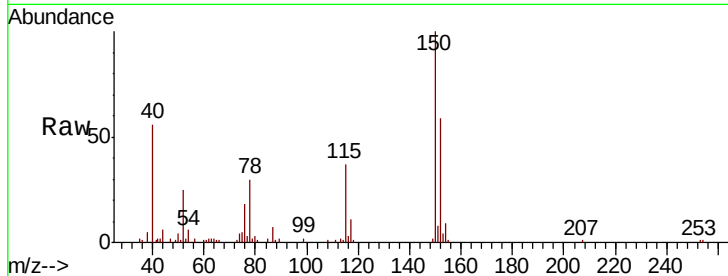


#1

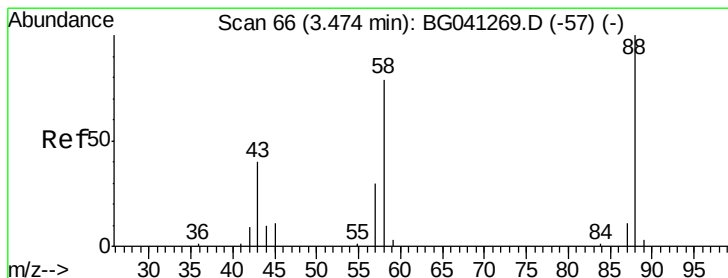
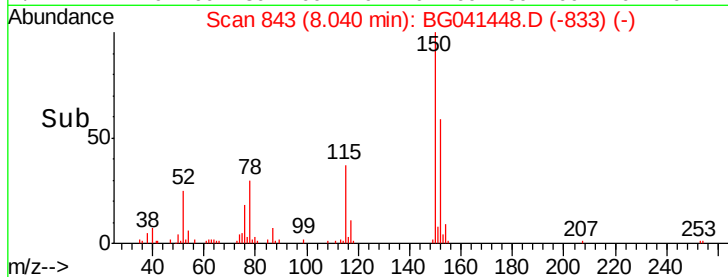
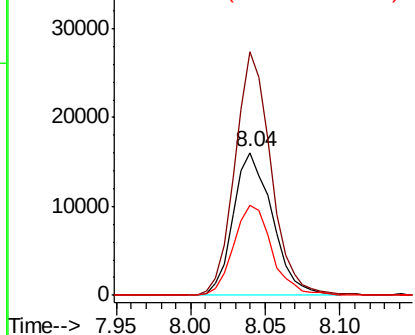
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041448.D
Acq: 25 Jun 2019 17:46

Instrument :
BNA_G
ClientSampleId :
TR-04-062419

Tgt Ion:152 Resp: 29350
Ion Ratio Lower Upper
152 100
150 170.3 120.6 181.0
115 63.3 47.9 71.9



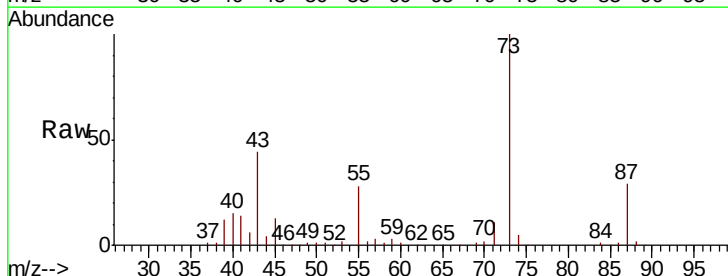
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



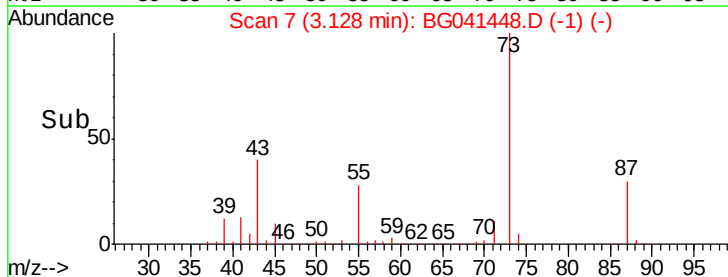
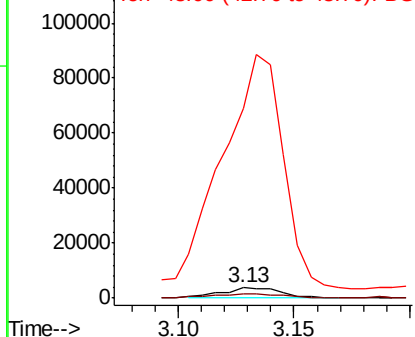
#2

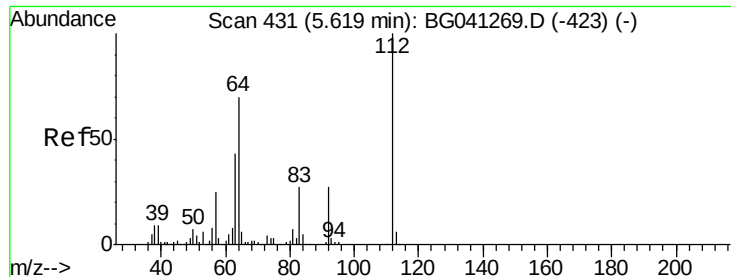
1,4-Dioxane
Concen: 8.066 ng
RT: 3.13 min Scan# 7
Delta R.T. -0.35 min
Lab File: BG041448.D
Acq: 25 Jun 2019 17:46

Tgt Ion: 88 Resp: 6461
Ion Ratio Lower Upper
88 100
58 38.5 59.7 89.5#
43 2330.0 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: 141.854 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

Instrument :

BNA_G

ClientSampleId :

TR-04-062419

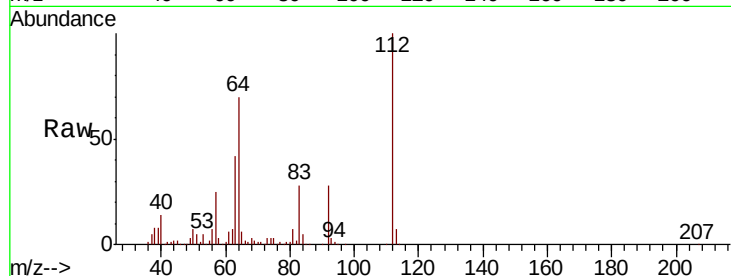
Tgt Ion: 112 Resp: 226591

Ion Ratio Lower Upper

112 100

64 70.5 55.9 83.9

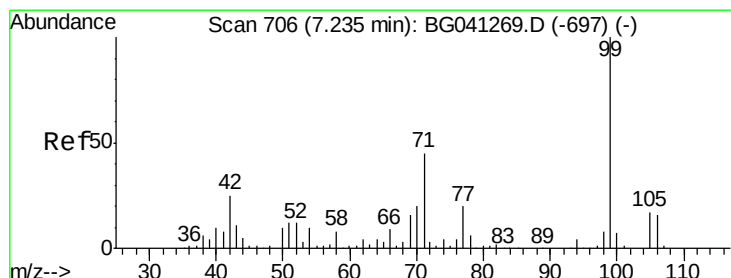
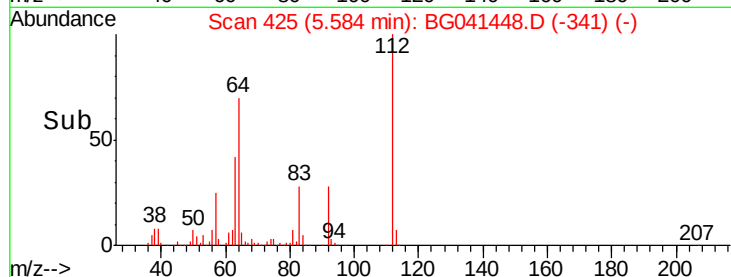
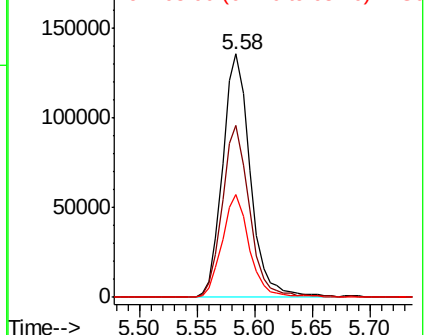
63 42.4 34.6 51.8



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: 128.410 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

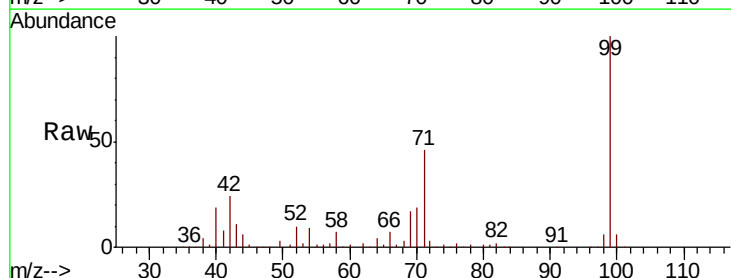
Tgt Ion: 99 Resp: 297317

Ion Ratio Lower Upper

99 100

42 24.0 19.9 29.9

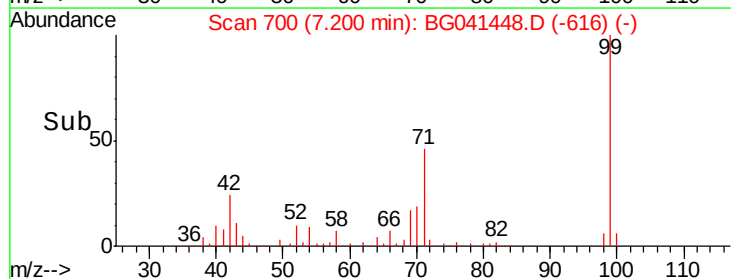
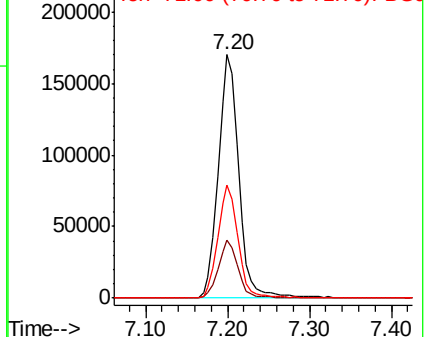
71 46.2 36.4 54.6

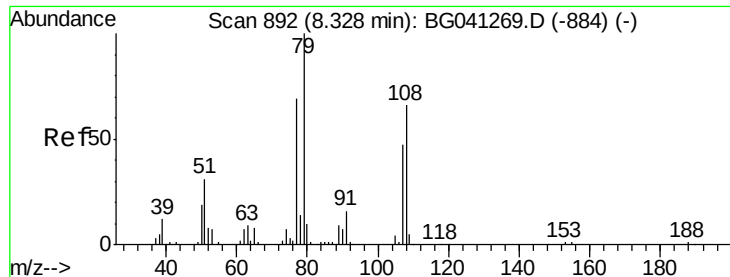


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.136 ng

RT: 8.36 min Scan# 898

Delta R.T. 0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

Instrument :

BNA_G

ClientSampleId :

TR-04-062419

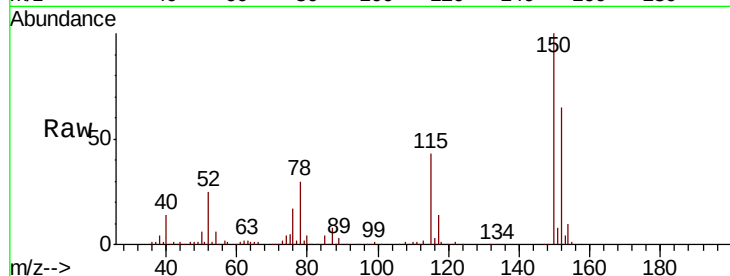
Tgt Ion: 79 Resp: 4738

Ion Ratio Lower Upper

79 100

108 31.0 52.7 79.1#

77 109.0 55.2 82.8#

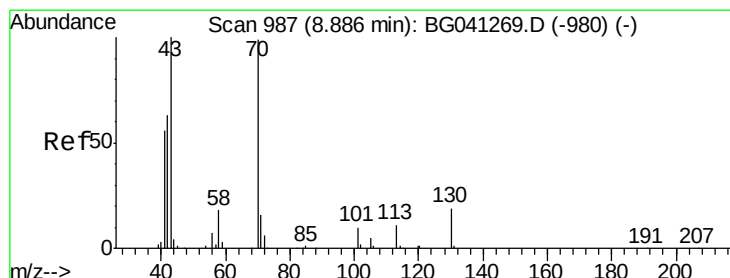
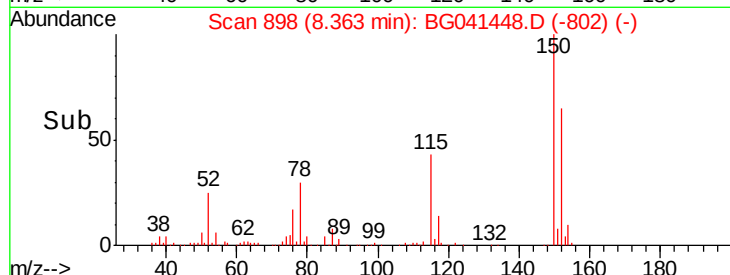
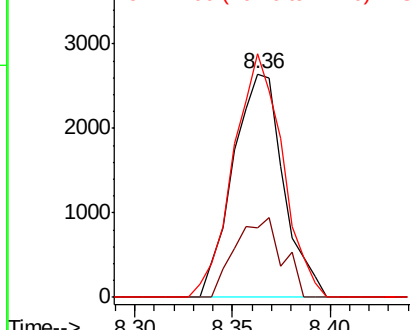


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.247 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.33 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

Tgt Ion: 70 Resp: 36043

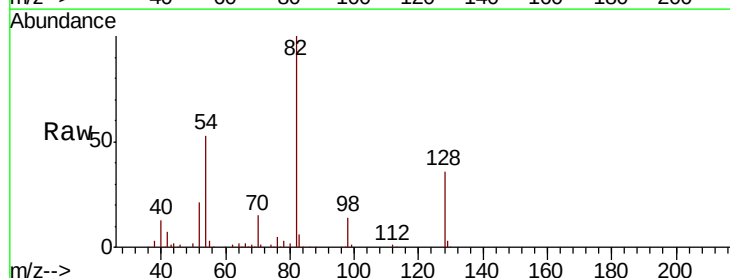
Ion Ratio Lower Upper

70 100

42 48.5 51.4 77.2#

101 0.0 8.2 12.2#

130 1.4 15.2 22.8#



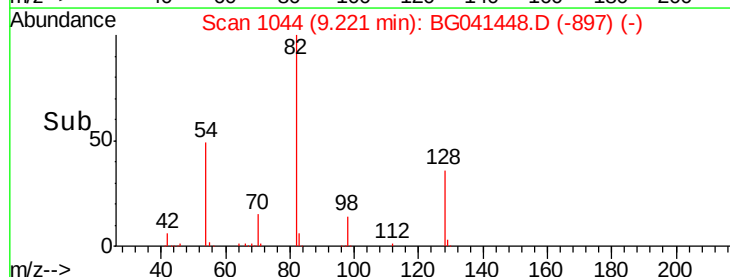
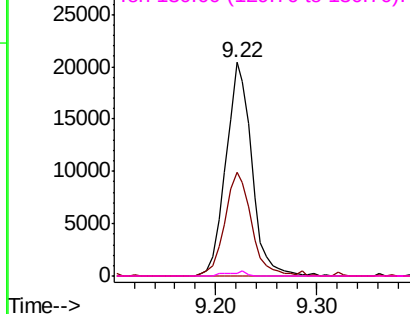
Abundance

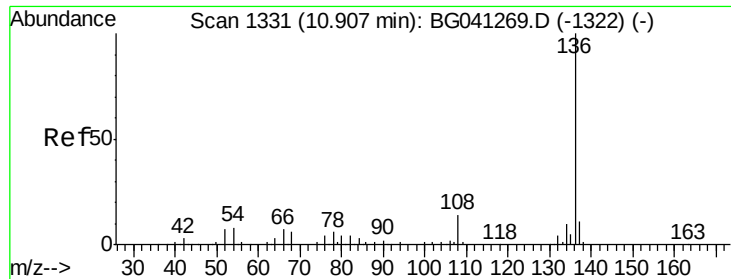
Ion 70.00 (69.70 to 70.70): BGC

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

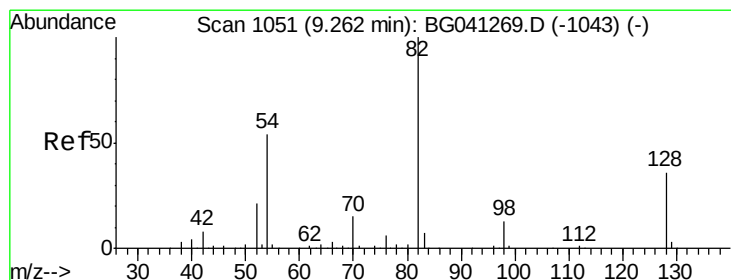
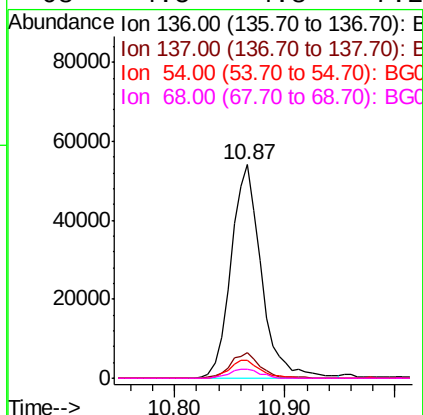
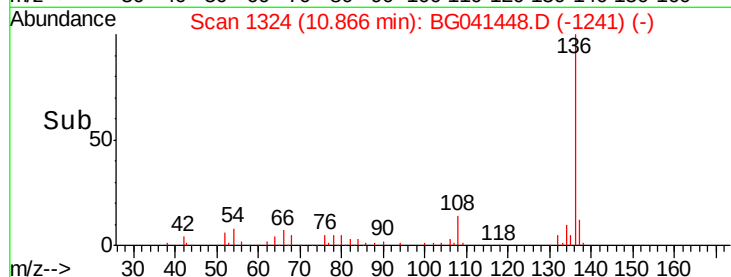
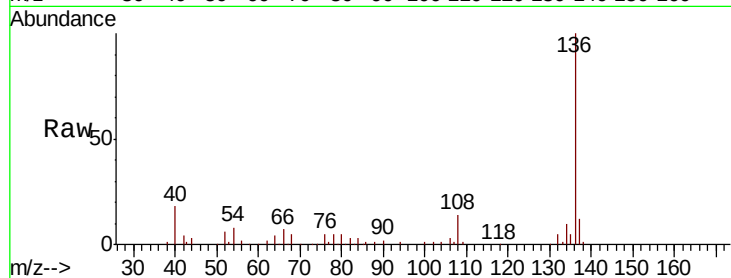




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041448.D
Acq: 25 Jun 2019 17:46

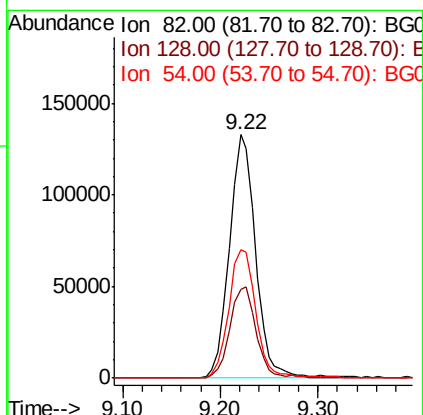
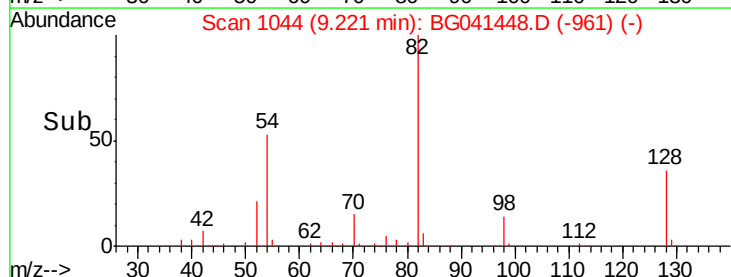
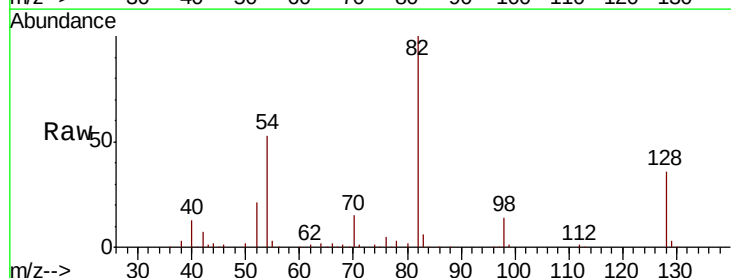
Instrument :
BNA_G
ClientSampleId :
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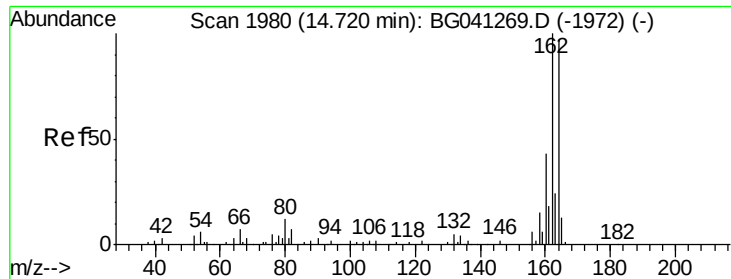
Tgt Ion:	136	Resp:	104041
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	8.2	6.4	9.6
68	4.5	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 100.375 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041448.D
Acq: 25 Jun 2019 17:46

Tgt Ion:	82	Resp:	248314
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.2	43.8
54	52.9	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: BG041448.D

Acq: 25 Jun 2019 17:46

Instrument :

BNA_G

ClientSampleId :

TR-04-062419

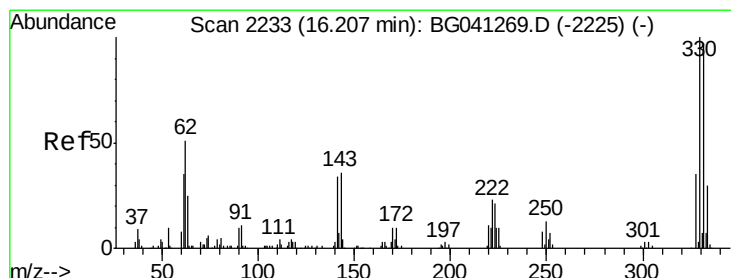
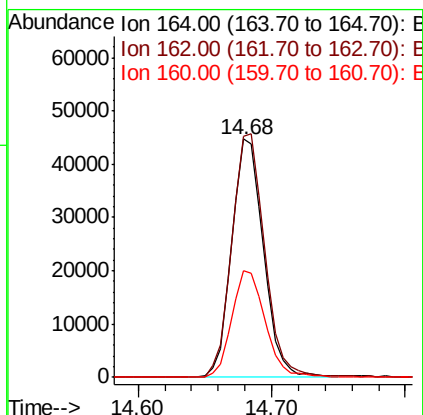
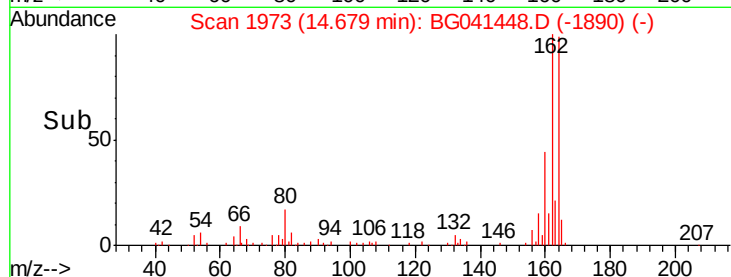
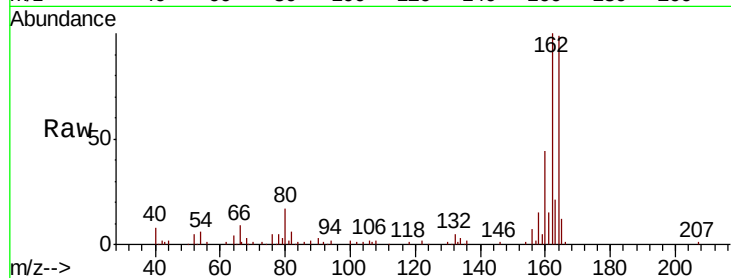
Tgt Ion:164 Resp: 74481

Ion Ratio Lower Upper

164 100

162 101.4 82.8 124.2

160 44.8 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 154.840 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

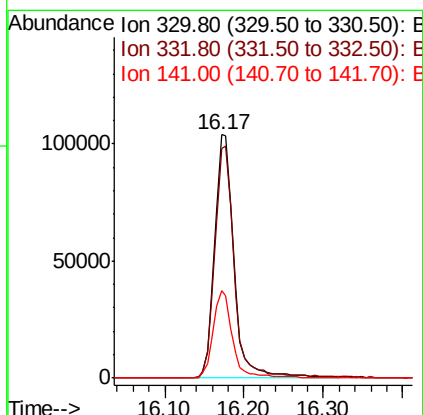
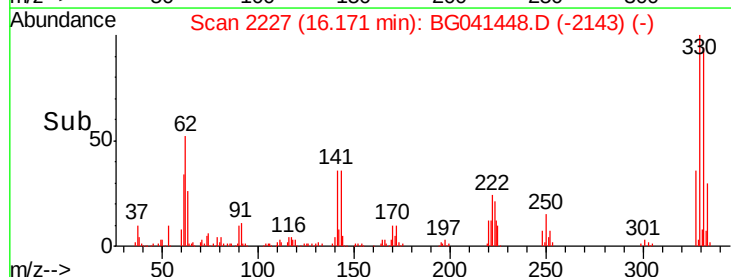
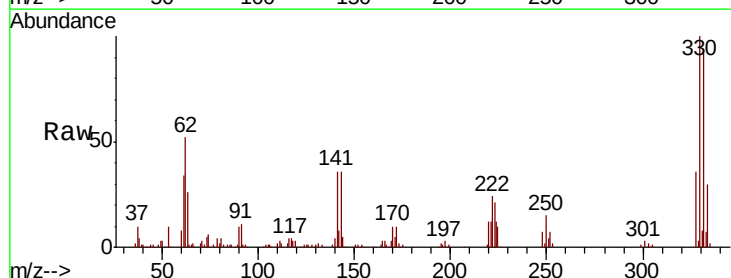
Tgt Ion:330 Resp: 177052

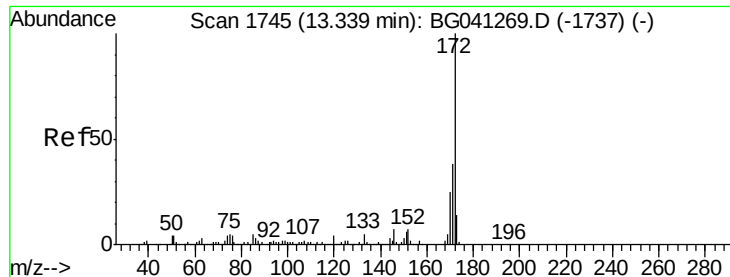
Ion Ratio Lower Upper

330 100

332 93.9 75.5 113.3

141 34.7 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 104.844 ng

RT: 13.30 min Scan# 1739

Delta R.T. -0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

Instrument :

BNA_G

ClientSampleId :

TR-04-062419

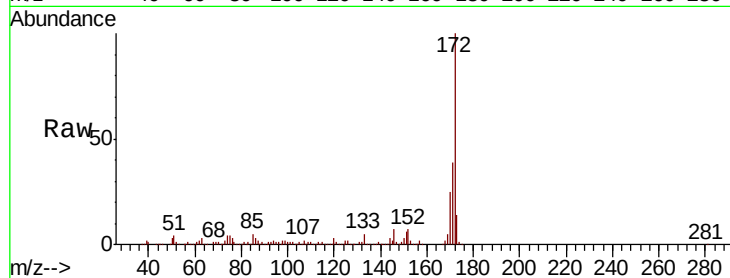
Tgt Ion:172 Resp: 574538

Ion Ratio Lower Upper

172 100

171 38.8 30.0 45.0

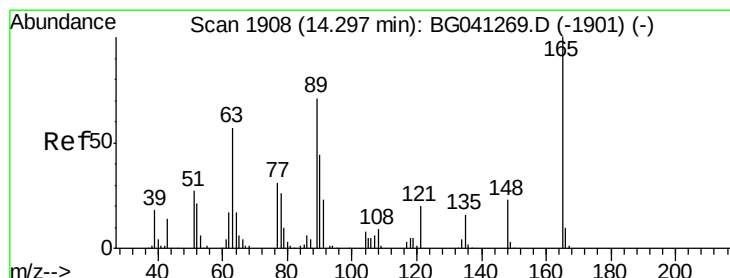
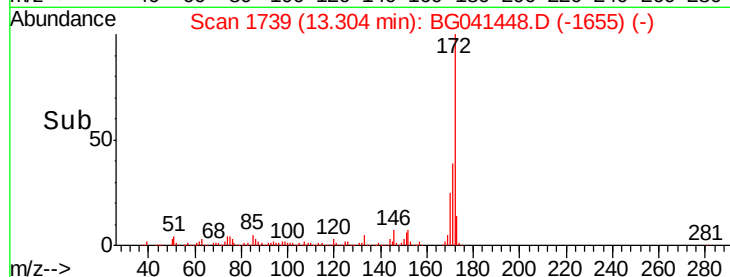
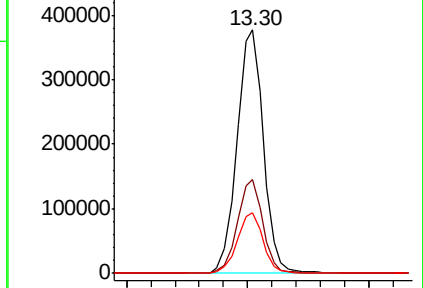
170 25.1 19.8 29.6



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: 6.915 ng

RT: 14.68 min Scan# 1974

Delta R.T. 0.39 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

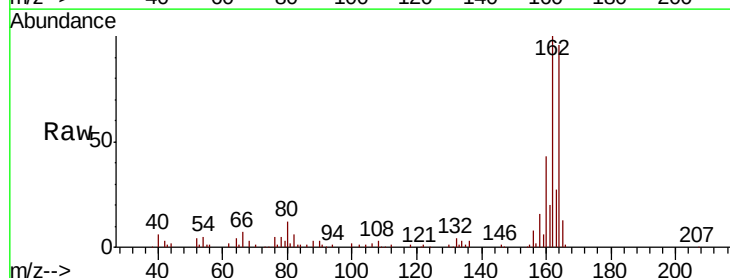
Tgt Ion:165 Resp: 9663

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

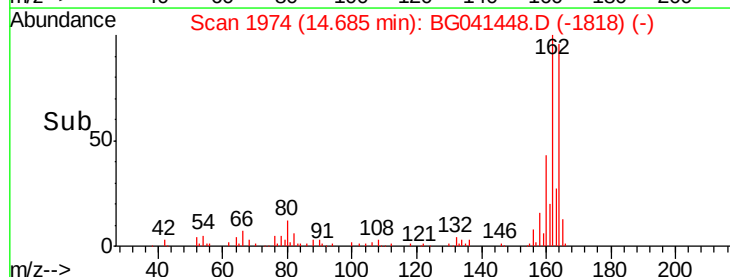
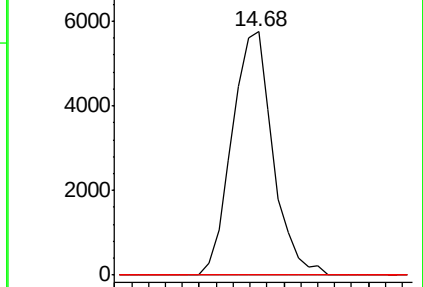
89 0.0 56.5 84.7#

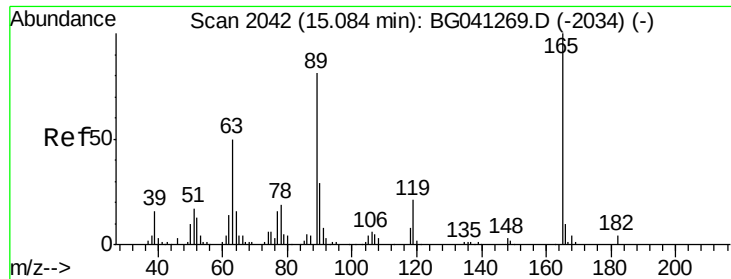


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

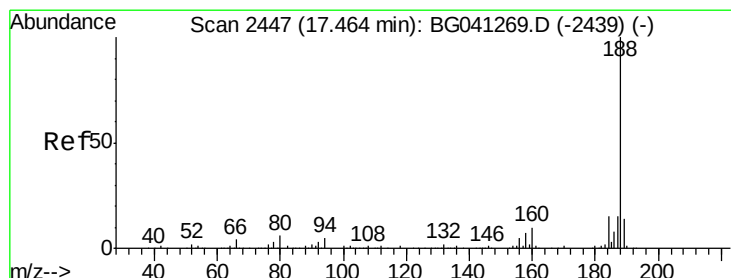
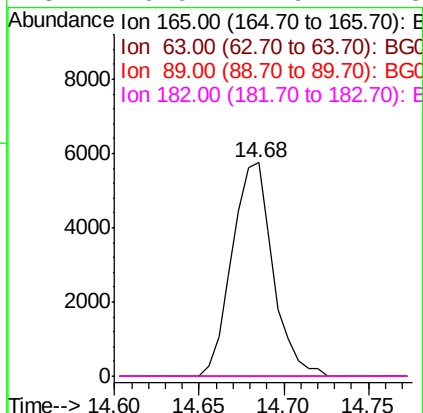
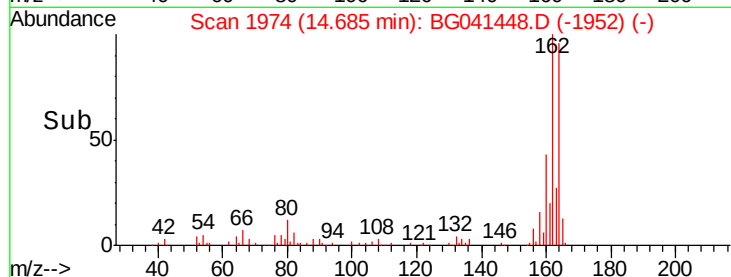
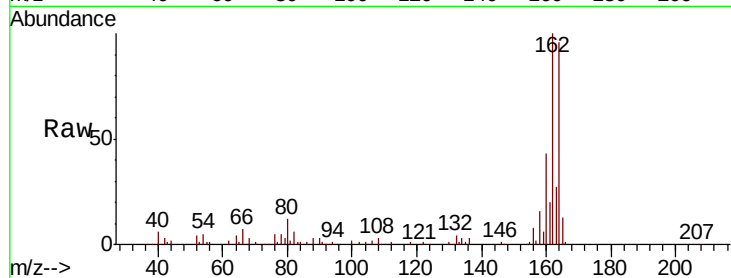




#57
 2,4-Dinitrotoluene
 Concen: 4.731 ng
 RT: 14.68 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041448.D
 Acq: 25 Jun 2019 17:46

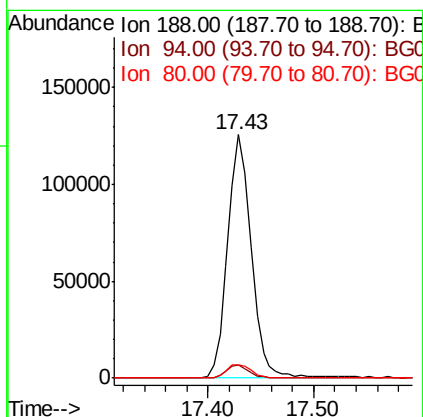
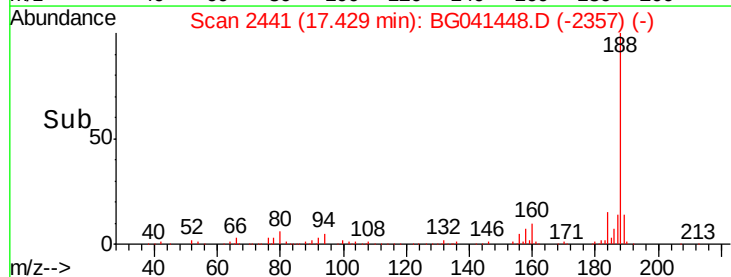
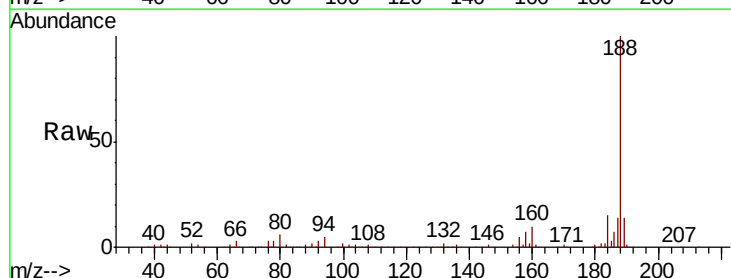
Instrument :
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 TR-04-062419

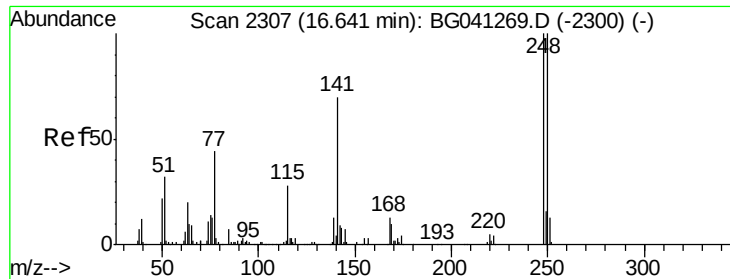
Tgt Ion:165 Resp: 9663
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.0 60.0#
 89 0.0 64.6 96.8#
 182 0.0 2.9 4.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.04 min
 Lab File: BG041448.D
 Acq: 25 Jun 2019 17:46

Tgt Ion:188 Resp: 194511
 Ion Ratio Lower Upper
 188 100
 94 5.2 3.6 5.4
 80 5.7 4.8 7.2

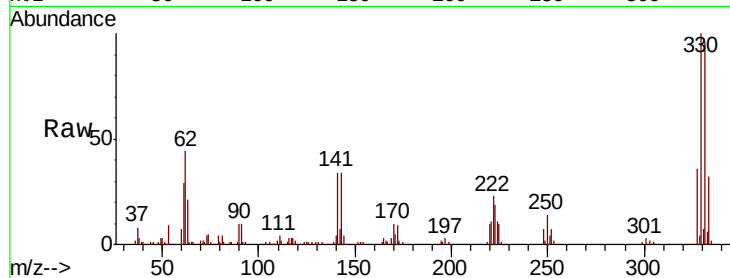




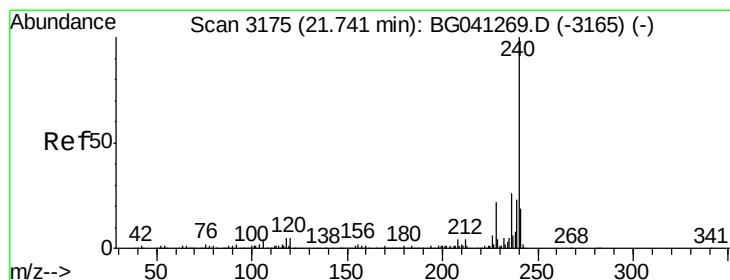
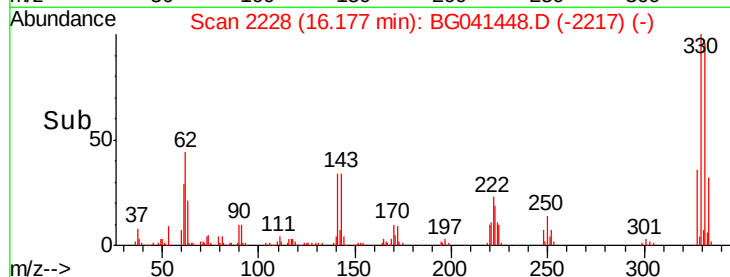
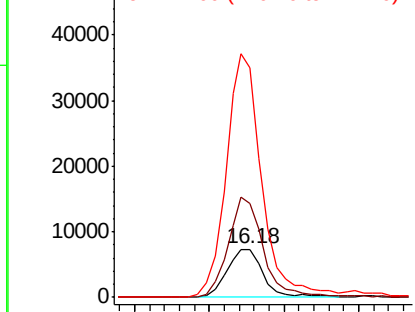
#67
 4-Bromophenyl-phenylether
 Concen: 4.952 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.46 min
 Lab File: BG041448.D
 Acq: 25 Jun 2019 17:46

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-062419

Tgt Ion:248 Resp: 12455
 Ion Ratio Lower Upper
 248 100
 250 195.2 79.8 119.8#
 141 477.9 55.8 83.6#

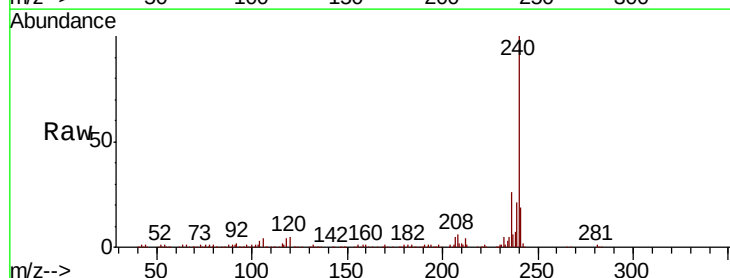


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

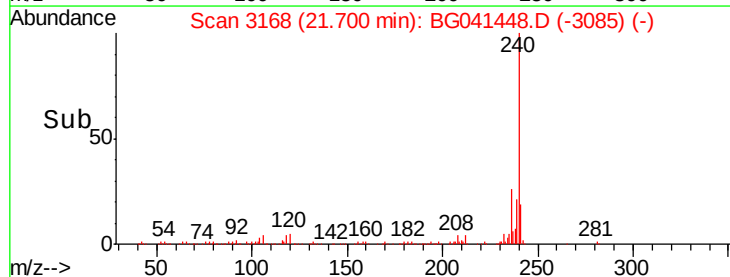
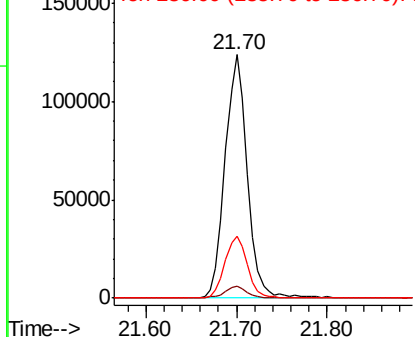


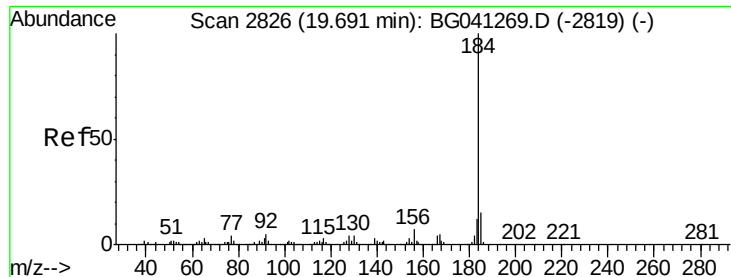
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.04 min
 Lab File: BG041448.D
 Acq: 25 Jun 2019 17:46

Tgt Ion:240 Resp: 210838
 Ion Ratio Lower Upper
 240 100
 120 4.9 3.7 5.5
 236 25.7 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: 3.632 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.33 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

Instrument :

BNA_G

ClientSampleId :

TR-04-062419

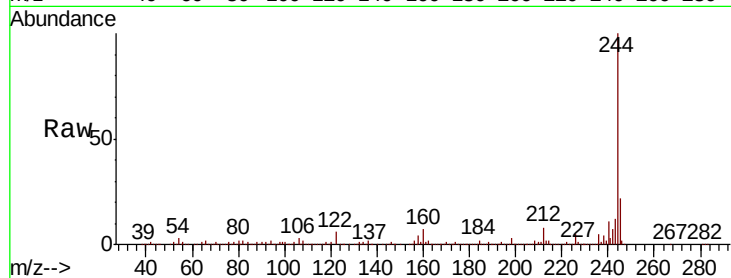
Tgt Ion:184 Resp: 18523

Ion Ratio Lower Upper

184 100

185 18.7 12.2 18.2#

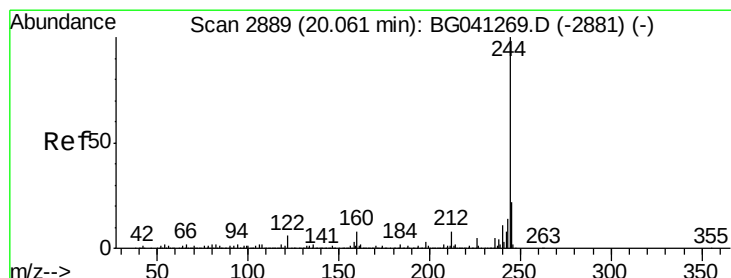
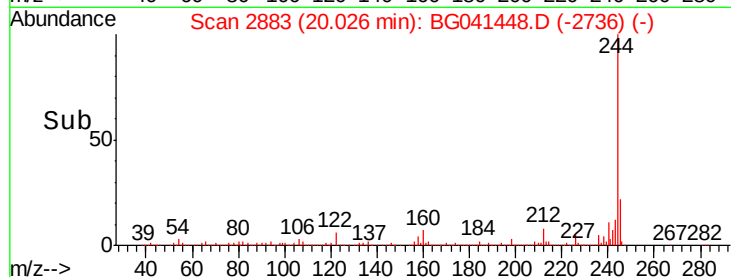
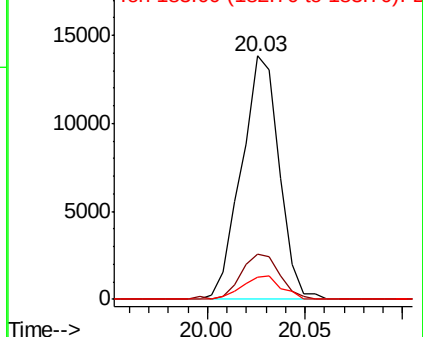
183 9.2 9.6 14.4#



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: 106.708 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG041448.D

Acq: 25 Jun 2019 17:46

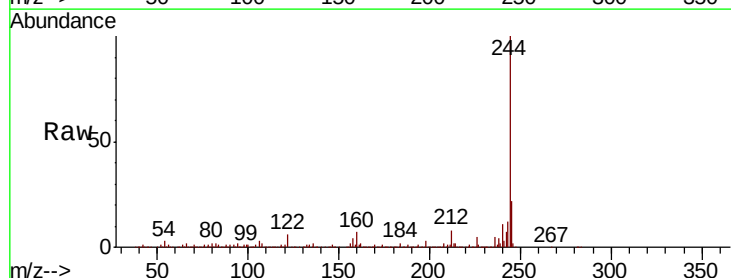
Tgt Ion:244 Resp: 1135234

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

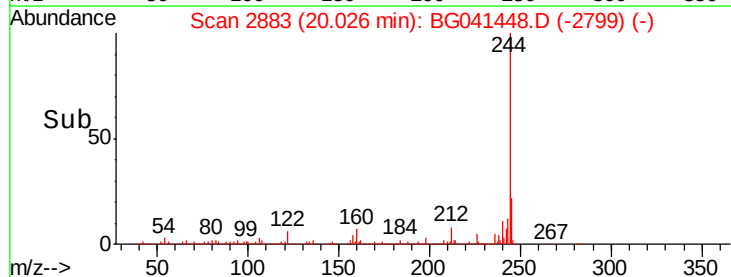
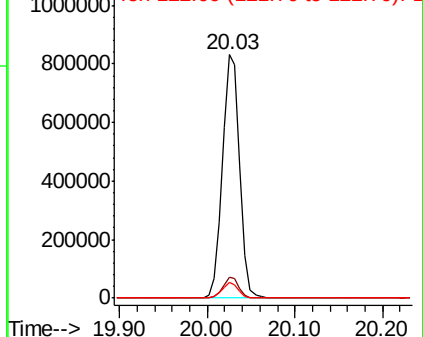
122 6.5 5.0 7.4

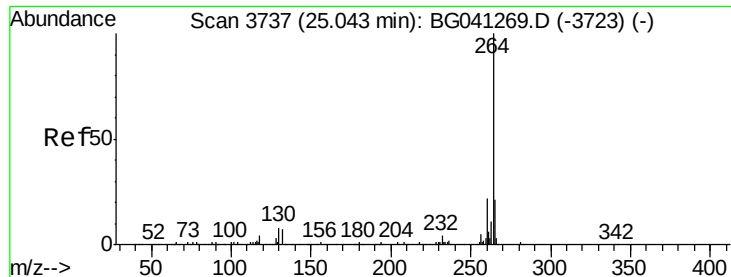


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3727
Delta R.T. -0.06 min
Lab File: BG041448.D
Acq: 25 Jun 2019 17:46

Instrument :
BNA_G
ClientSampleId :
TR-04-062419

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	17.4	26.2
265	21.4	17.2	25.8

