

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041455.D
 Acq On : 25 Jun 2019 22:12
 Operator : HP/JU
 Sample : K3512-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-8

Quant Time: Jun 26 04:22:15 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

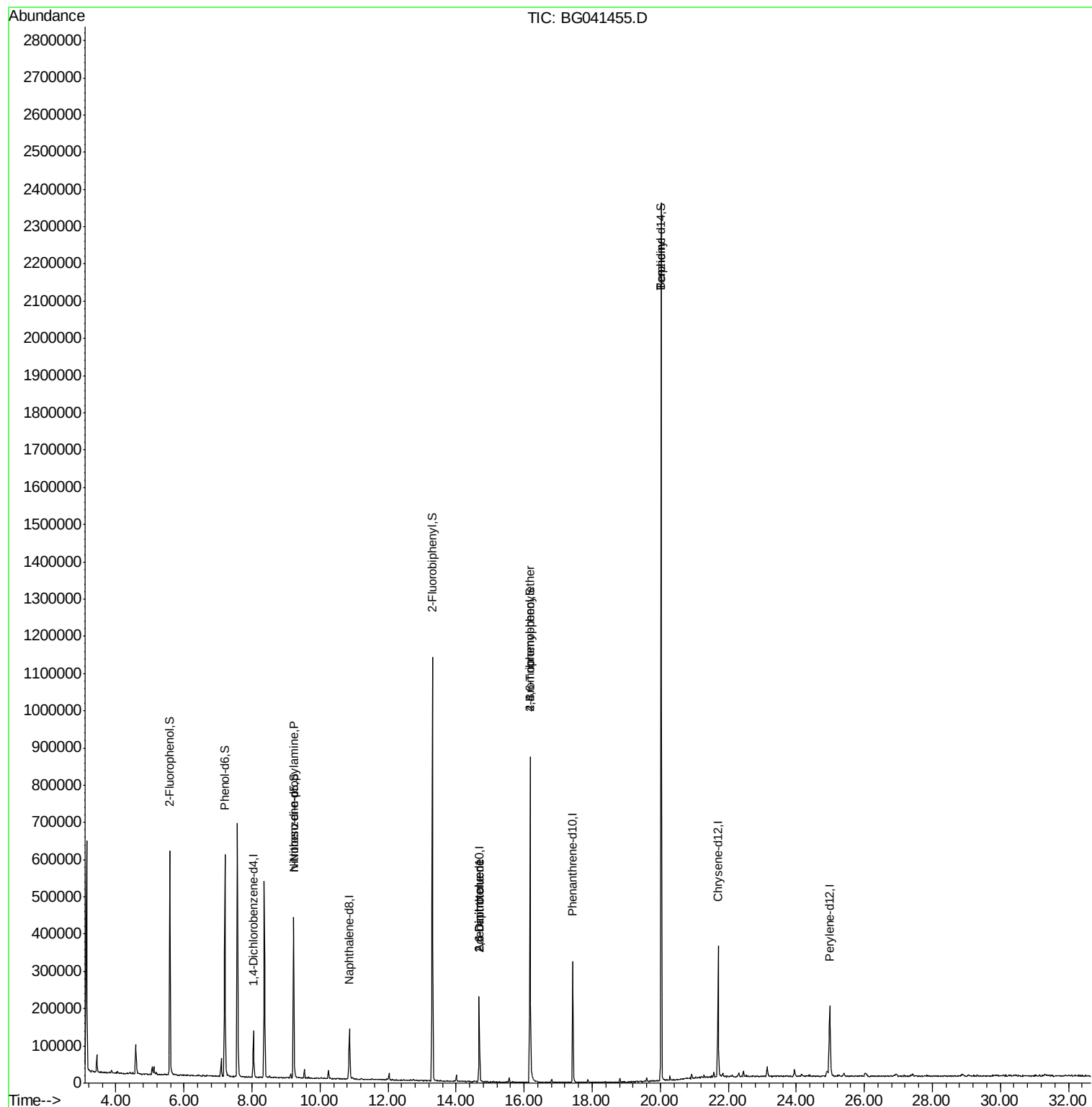
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	34183	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	117460	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	82103	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	209441	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	215674	20.00	ng	-0.04
87) Perylene-d12	24.98	264	229615	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	240404	129.22	ng	-0.03
7) Phenol-d6	7.20	99	307413	114.00	ng	-0.03
23) Nitrobenzene-d5	9.22	82	266519	95.43	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	181752	144.19	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	602748	99.78	ng	-0.03
79) Terphenyl-d14	20.03	244	1135268	104.32	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	38126	17.481	ng	# 81
51) 2,6-Dinitrotoluene	14.68	165	10313	6.695	ng	# 18
57) 2,4-Dinitrotoluene	14.68	165	10313	4.580	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	12744	4.706	ng	# 1
77) Benzidine	20.03	184	18600	3.566	ng	# 96

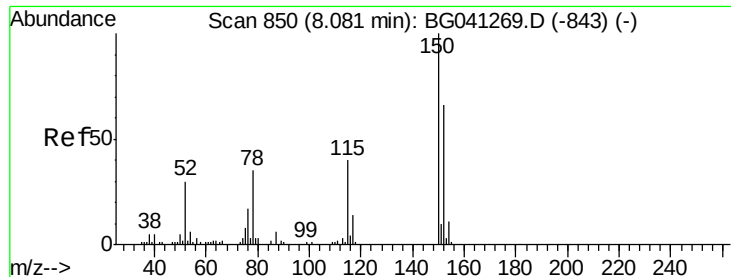
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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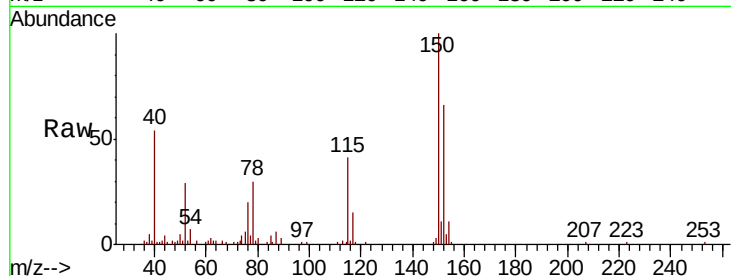


#1

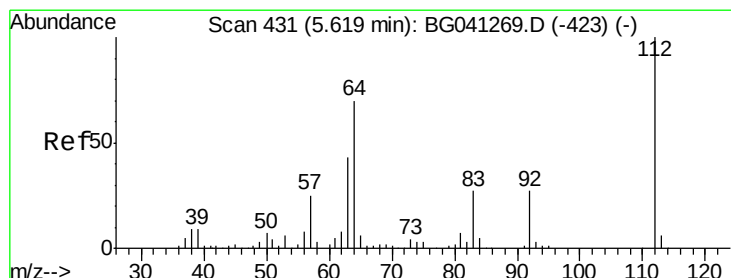
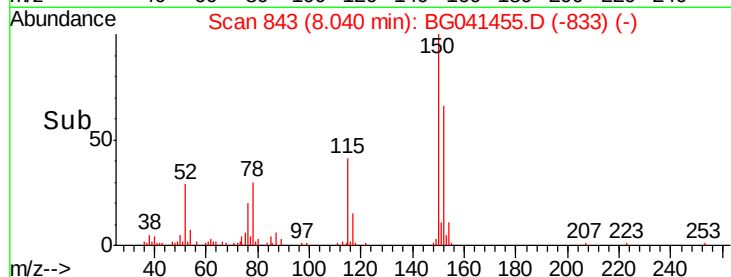
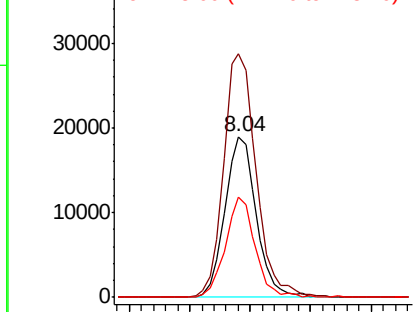
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041455.D
Acq: 25 Jun 2019 22:12

Instrument :
BNA_G
ClientSampleId :
SAMPLE-8

Tgt Ion:152 Resp: 34183
Ion Ratio Lower Upper
152 100
150 151.6 120.6 181.0
115 62.4 47.9 71.9



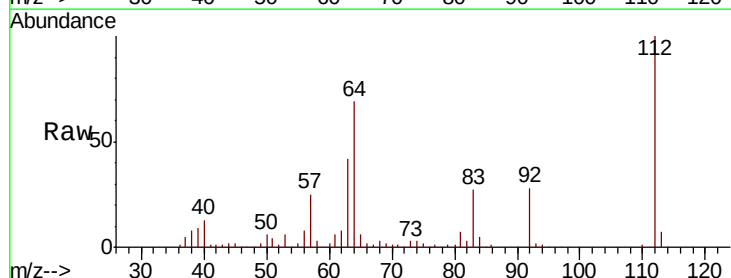
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



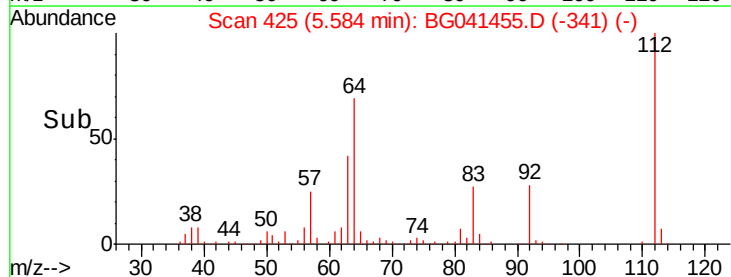
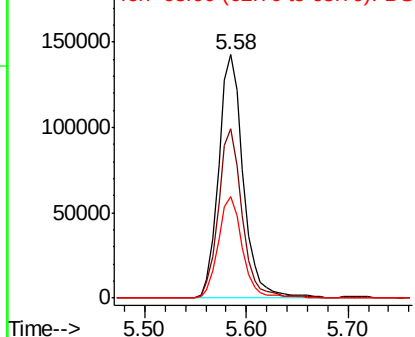
#5

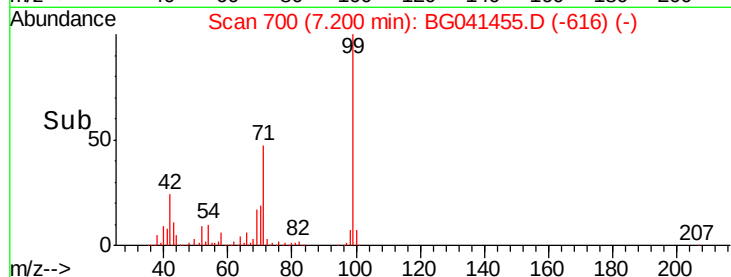
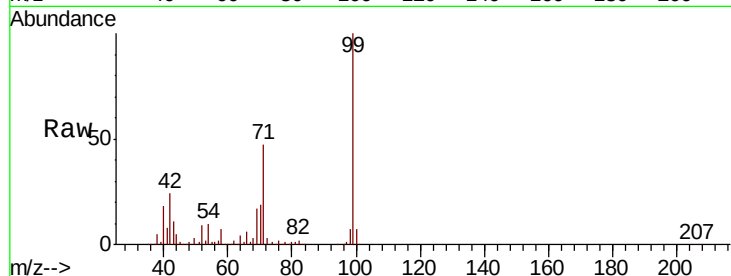
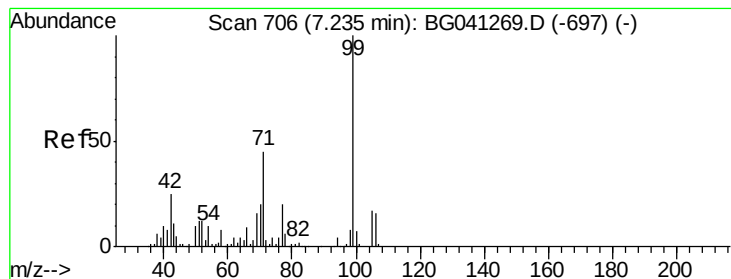
2-Fluorophenol
Concen: 129.223 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041455.D
Acq: 25 Jun 2019 22:12

Tgt Ion:112 Resp: 240404
Ion Ratio Lower Upper
112 100
64 69.4 55.9 83.9
63 41.6 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: 113.998 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-8

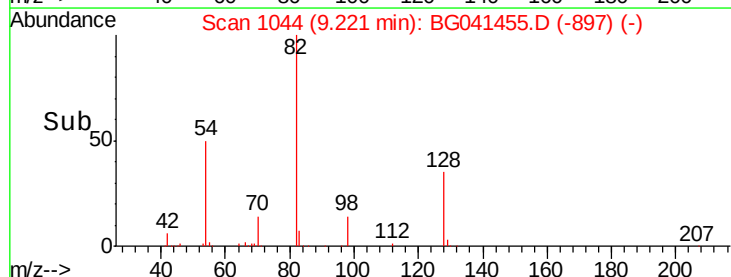
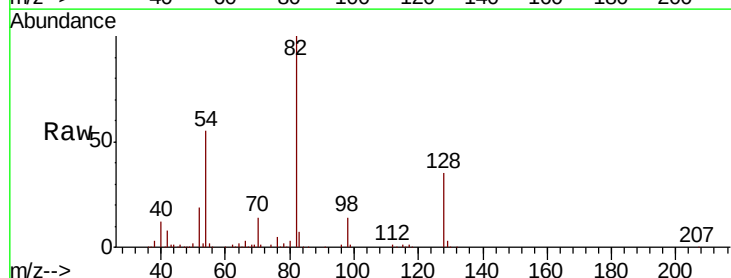
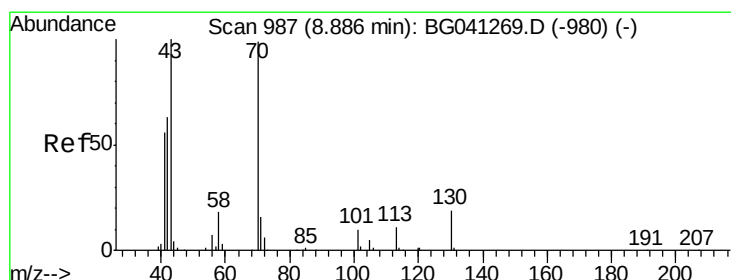
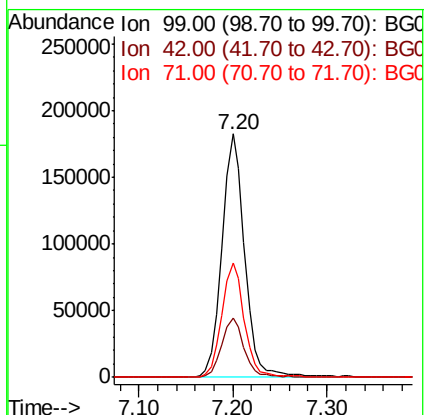
Tgt Ion: 99 Resp: 307413

Ion Ratio Lower Upper

99 100

42 24.4 19.9 29.9

71 47.0 36.4 54.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.481 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

Tgt Ion: 70 Resp: 38126

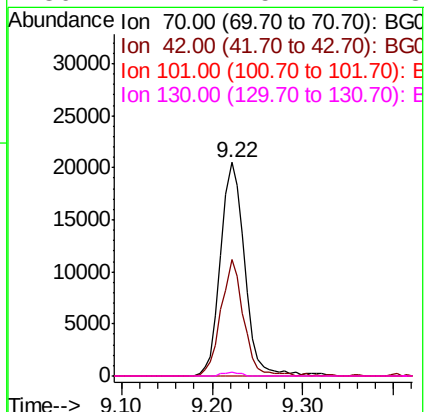
Ion Ratio Lower Upper

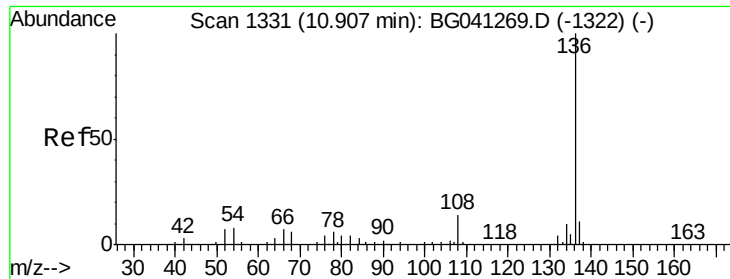
70 100

42 54.5 51.4 77.2

101 0.0 8.2 12.2#

130 1.7 15.2 22.8#

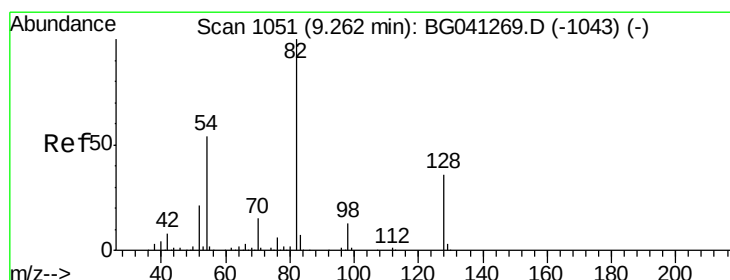
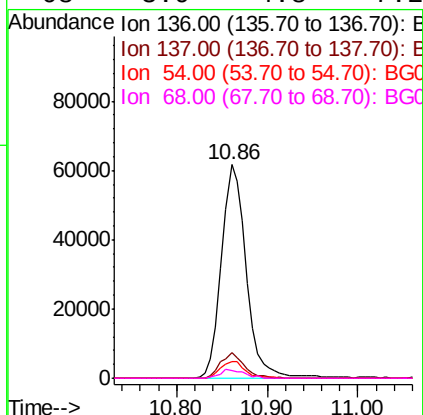
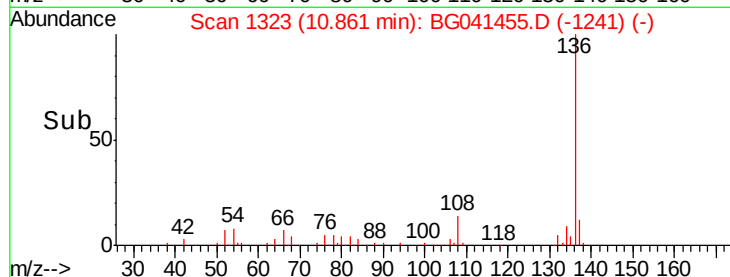
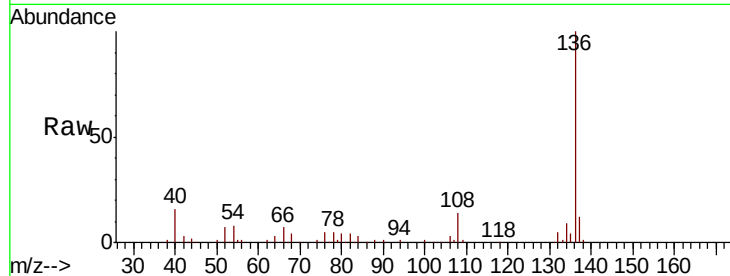




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041455.D
Acq: 25 Jun 2019 22:12

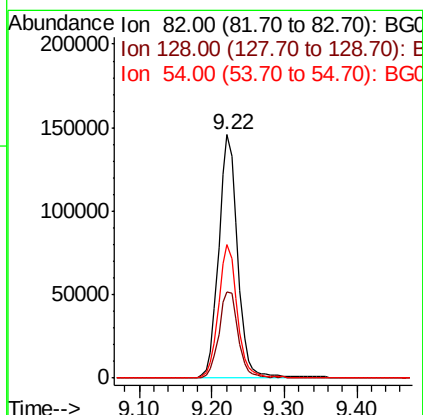
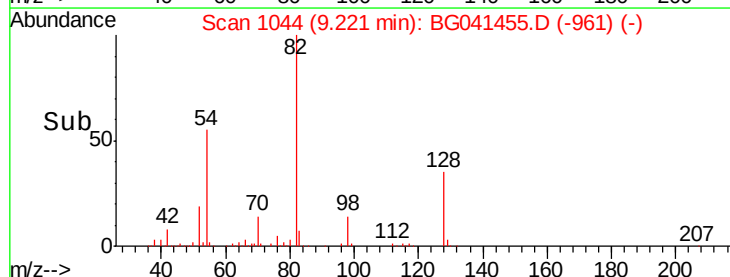
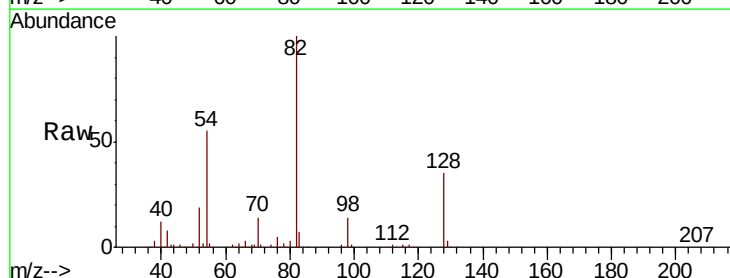
Instrument :
BNA_G
ClientSampleId :
SAMPLE-8

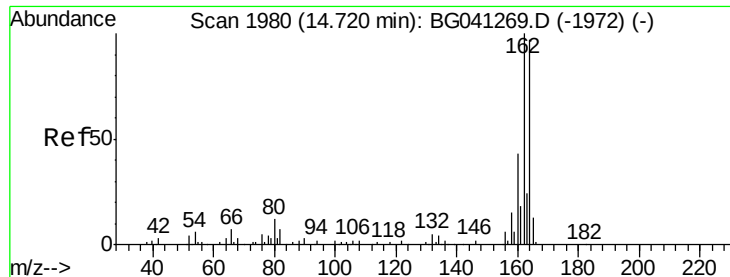
Tgt Ion:	136	Resp:	117460
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	8.1	6.4	9.6
68	3.9	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 95.426 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041455.D
Acq: 25 Jun 2019 22:12

Tgt Ion:	82	Resp:	266519
Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.2	43.8
54	54.6	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: BG041455.D

Acq: 25 Jun 2019 22:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-8

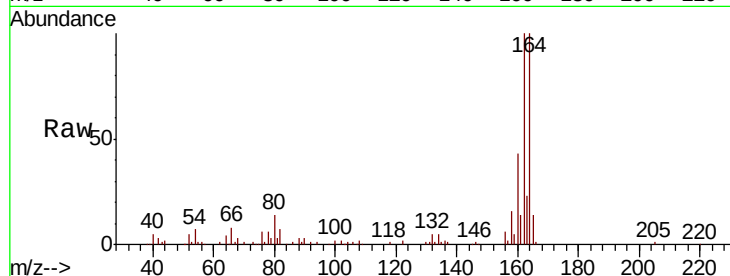
Tgt Ion:164 Resp: 82103

Ion Ratio Lower Upper

164 100

162 99.9 82.8 124.2

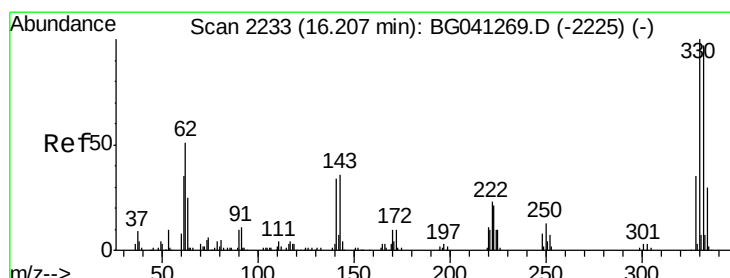
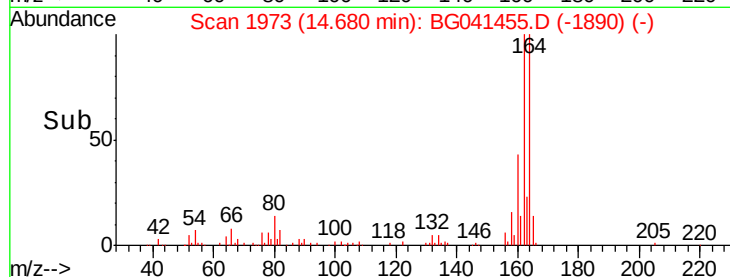
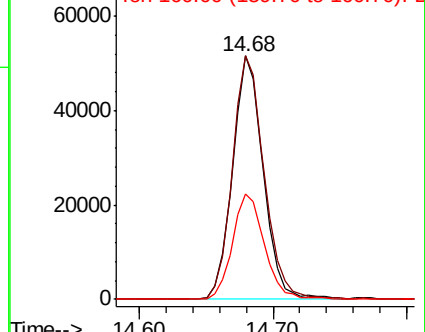
160 43.2 35.8 53.8



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: 144.195 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

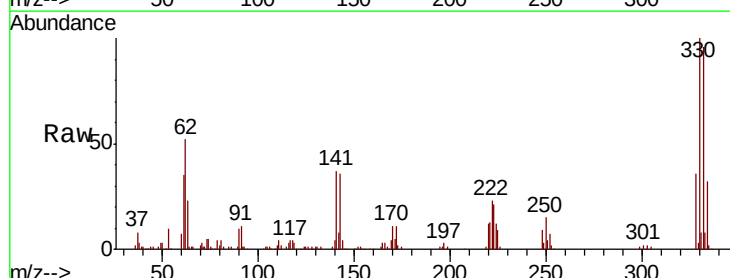
Tgt Ion:330 Resp: 181752

Ion Ratio Lower Upper

330 100

332 94.8 75.5 113.3

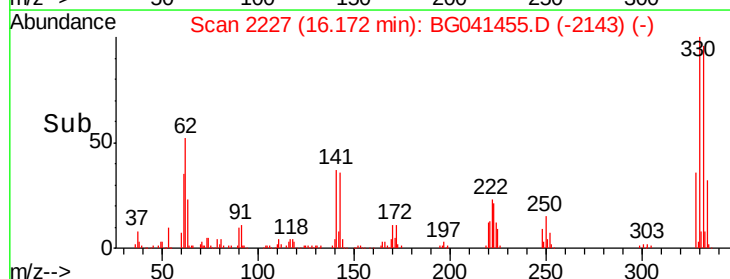
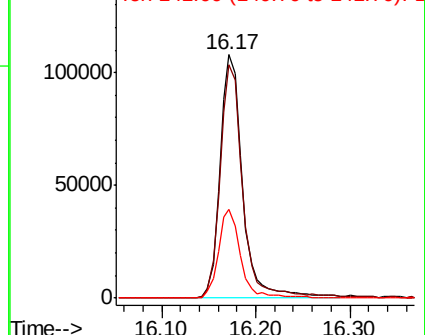
141 36.3 29.0 43.4

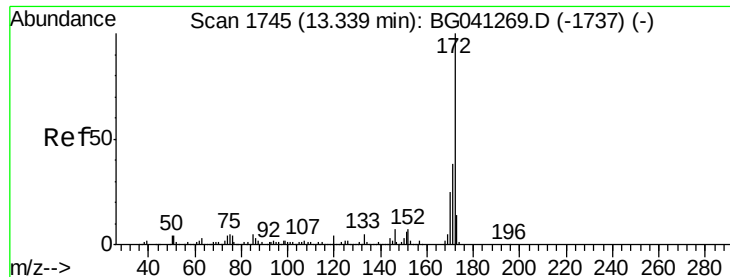


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

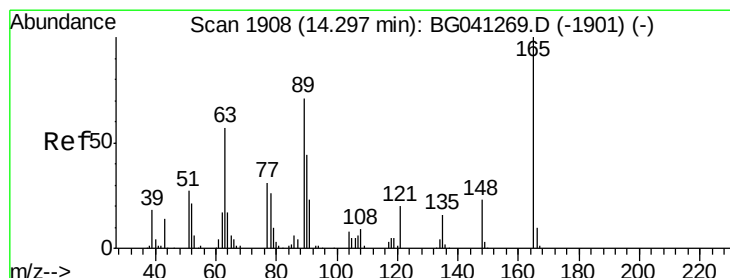
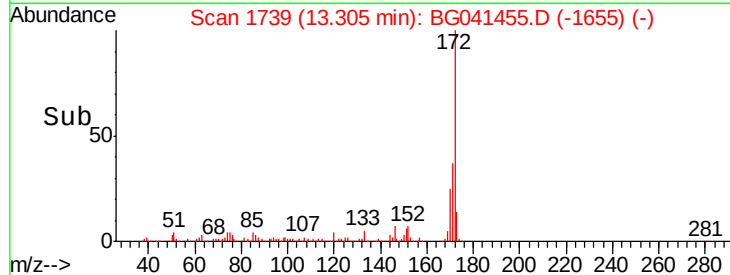
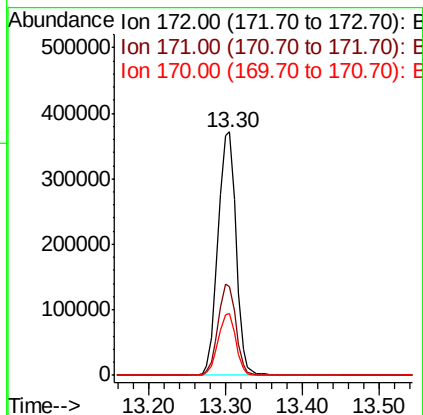
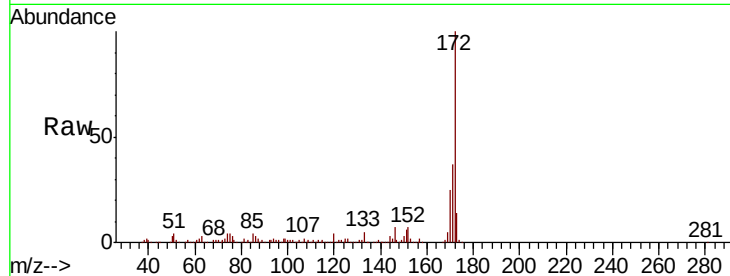




#45
 2-Fluorobiphenyl
 Concen: 99.781 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041455.D
 Acq: 25 Jun 2019 22:12

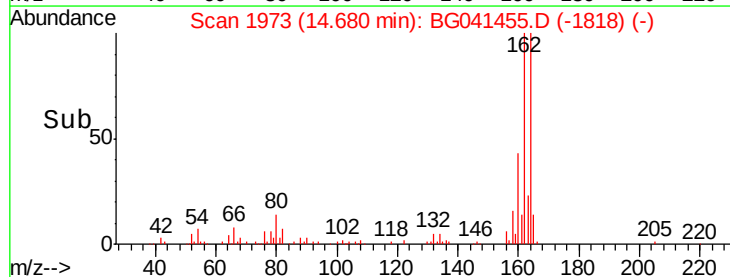
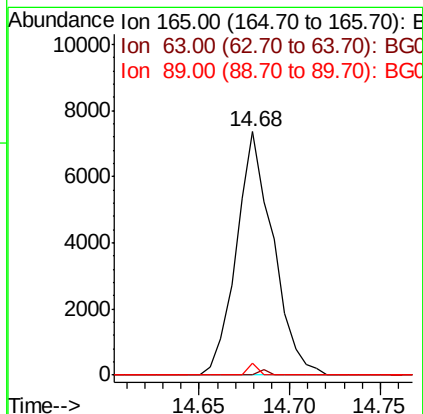
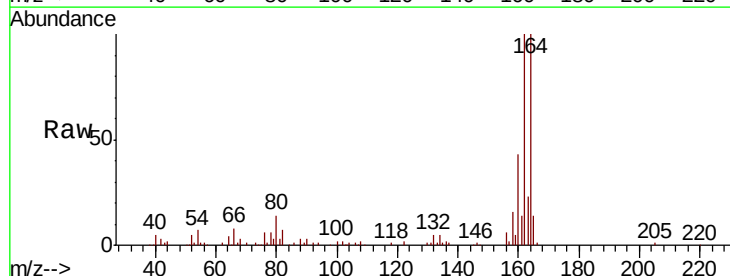
Instrument :
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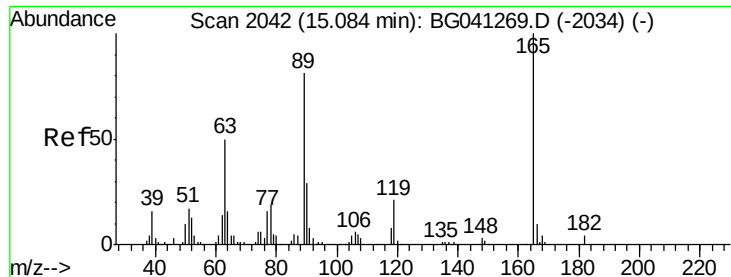
Tgt Ion:172 Resp: 602748
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.0 45.0
 170 25.4 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 6.695 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.38 min
 Lab File: BG041455.D
 Acq: 25 Jun 2019 22:12

Tgt Ion:165 Resp: 10313
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 4.7 56.5 84.7#





#57

2,4-Dinitrotoluene

Concen: 4.580 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.40 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-8

Tgt Ion:165 Resp: 10313

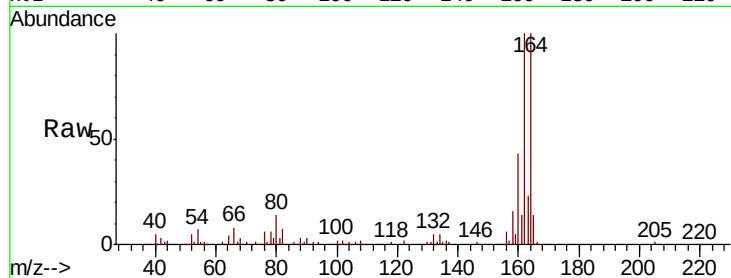
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 4.7 64.6 96.8#

182 0.0 2.9 4.3#

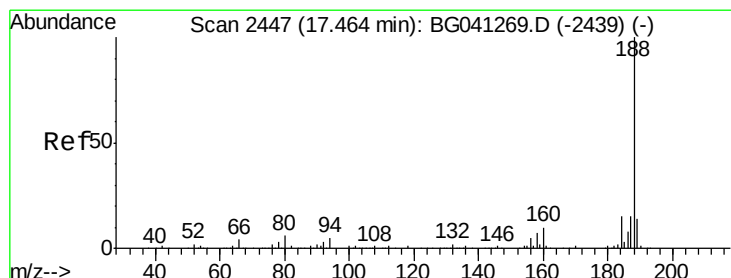
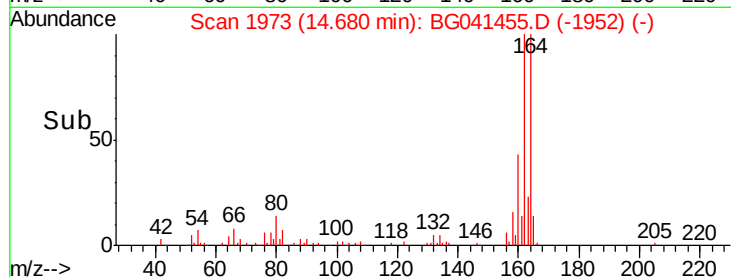
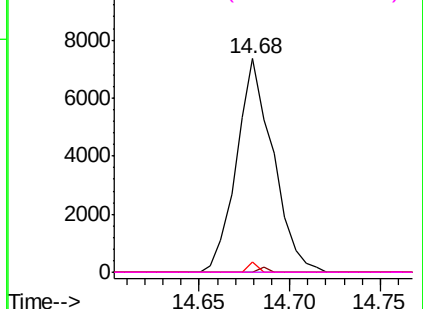


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2441

Delta R.T. -0.03 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

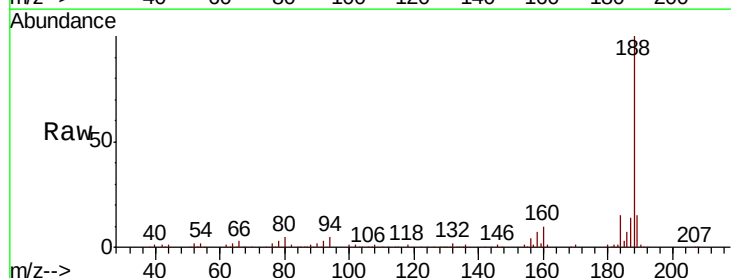
Tgt Ion:188 Resp: 209441

Ion Ratio Lower Upper

188 100

94 5.5 3.6 5.4#

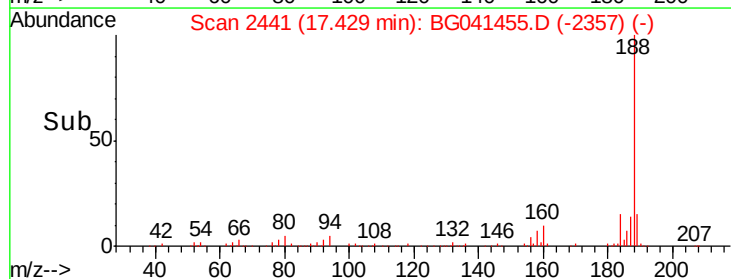
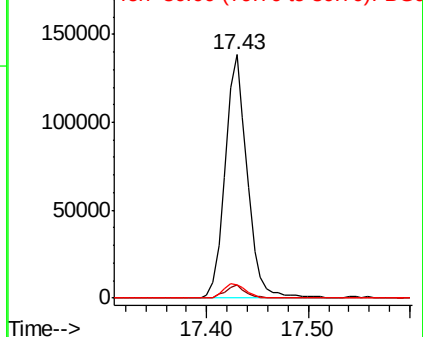
80 5.5 4.8 7.2

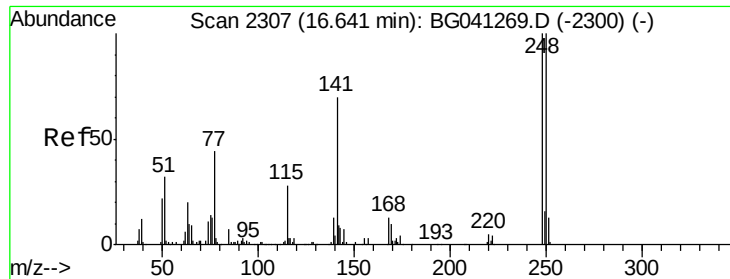


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

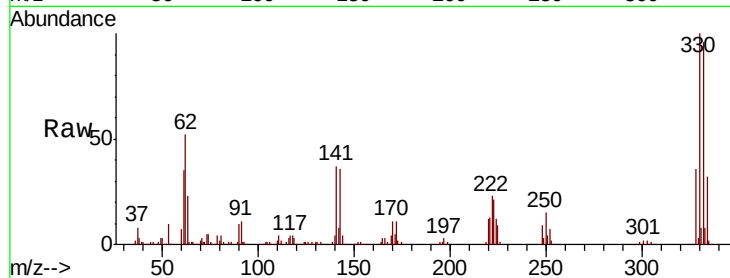




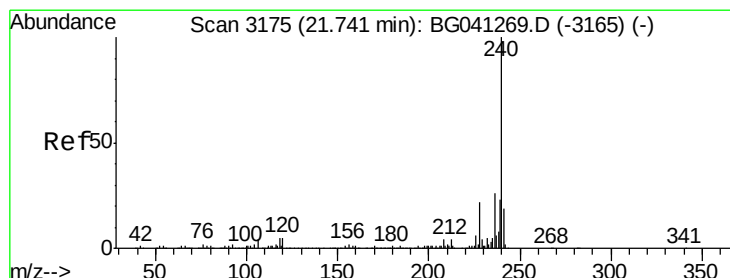
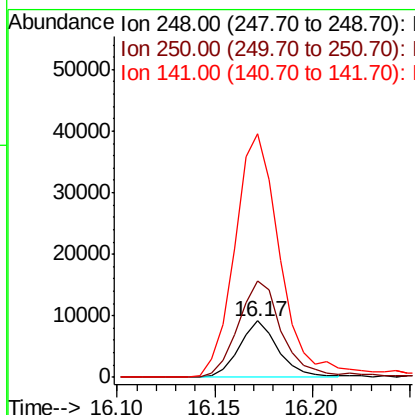
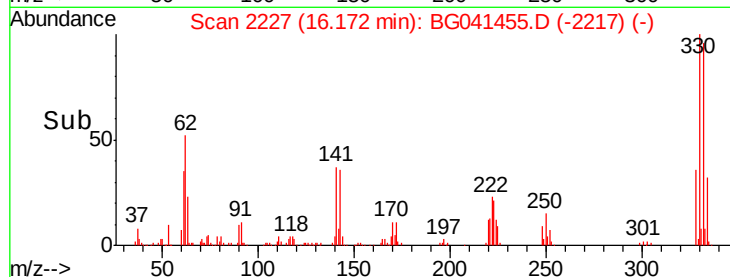
#67
 4-Bromophenyl-phenylether
 Concen: 4.706 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.47 min
 Lab File: BG041455.D
 Acq: 25 Jun 2019 22:12

Instrument :
 BNA_G
 ClientSampled :
 SAMPLE-8

Tgt Ion:248 Resp: 12744
 Ion Ratio Lower Upper
 248 100
 250 171.2 79.8 119.8#
 141 430.6 55.8 83.6#

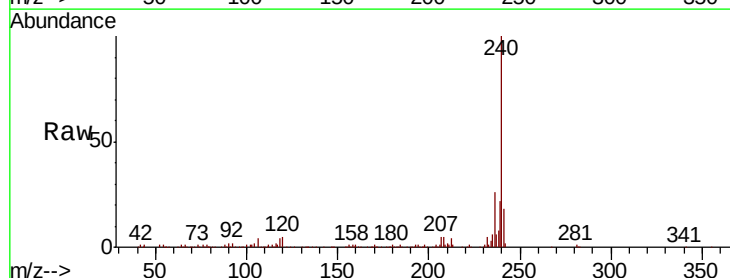


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

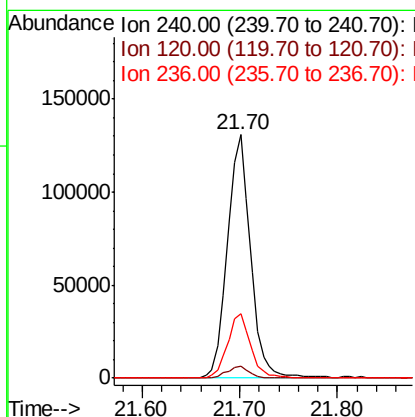
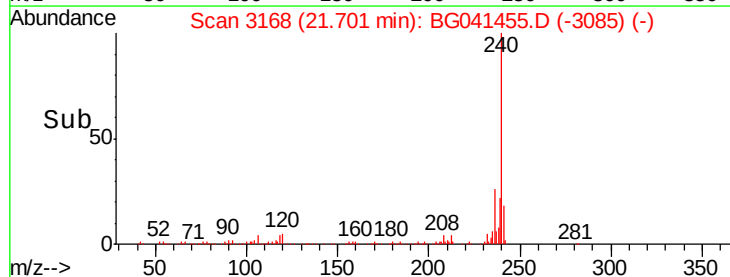


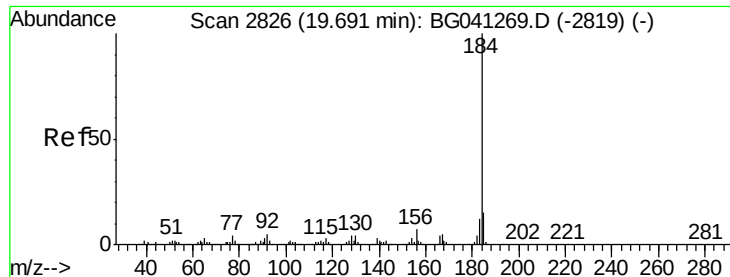
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.04 min
 Lab File: BG041455.D
 Acq: 25 Jun 2019 22:12

Tgt Ion:240 Resp: 215674
 Ion Ratio Lower Upper
 240 100
 120 4.8 3.7 5.5
 236 26.5 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: 3.566 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-8

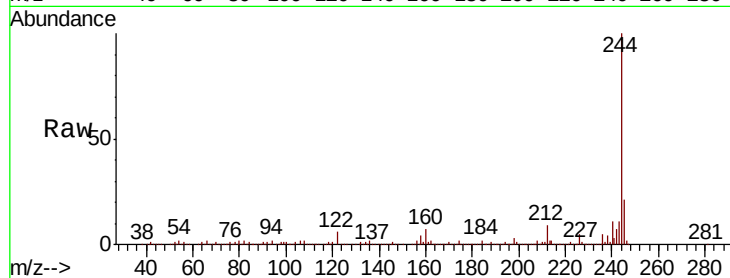
Tgt Ion:184 Resp: 18600

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

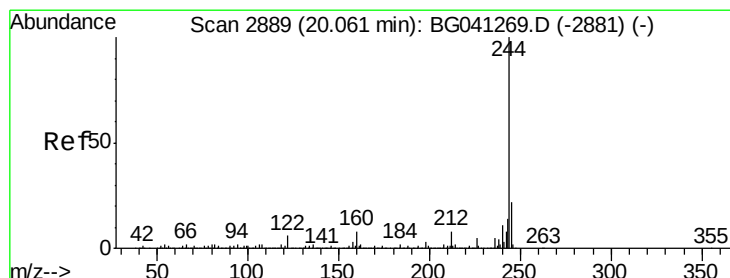
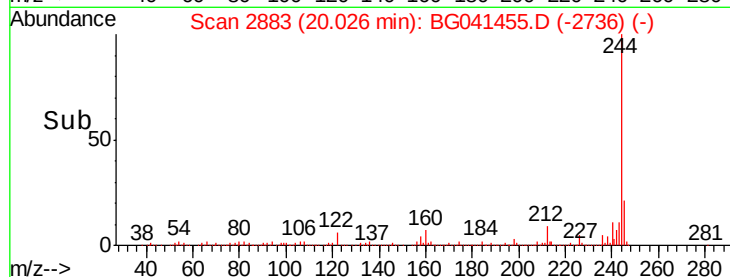
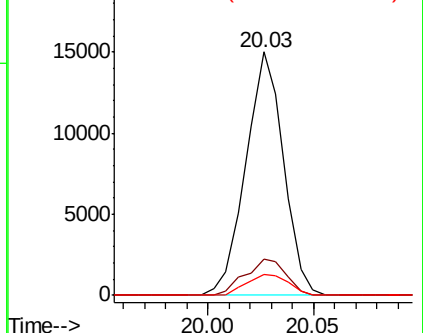
183 8.5 9.6 14.4#



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: 104.318 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041455.D

Acq: 25 Jun 2019 22:12

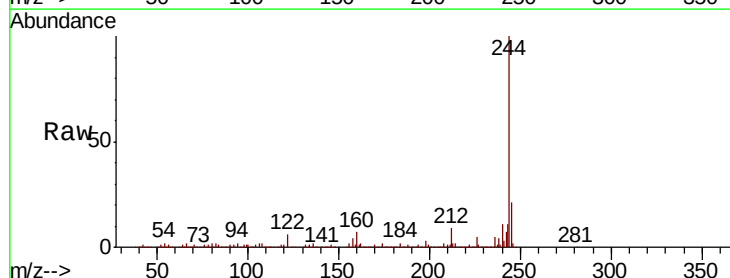
Tgt Ion:244 Resp: 1135268

Ion Ratio Lower Upper

244 100

212 8.5 6.6 10.0

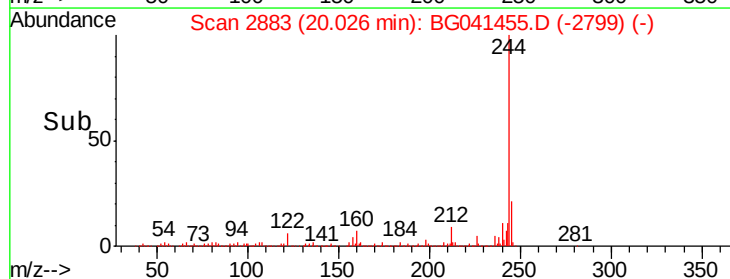
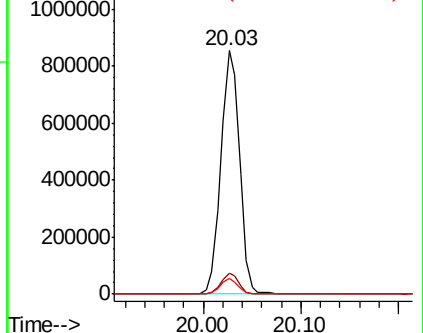
122 6.4 5.0 7.4

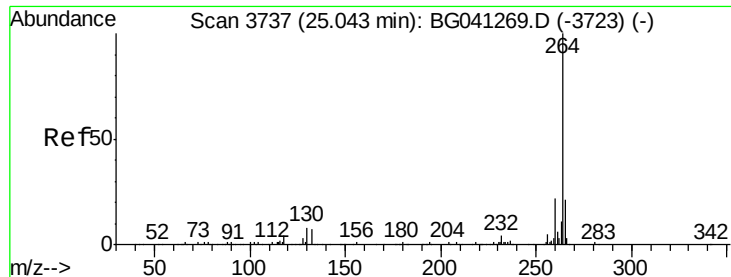


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041455.D
Acq: 25 Jun 2019 22:12

Instrument :
BNA_G
ClientSampleId :
SAMPLE-8

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.2
265	21.3	17.2	25.8

