

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041446.D
 Acq On : 25 Jun 2019 16:30
 Operator : HP/JU
 Sample : K3482-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Jun 26 04:20:30 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

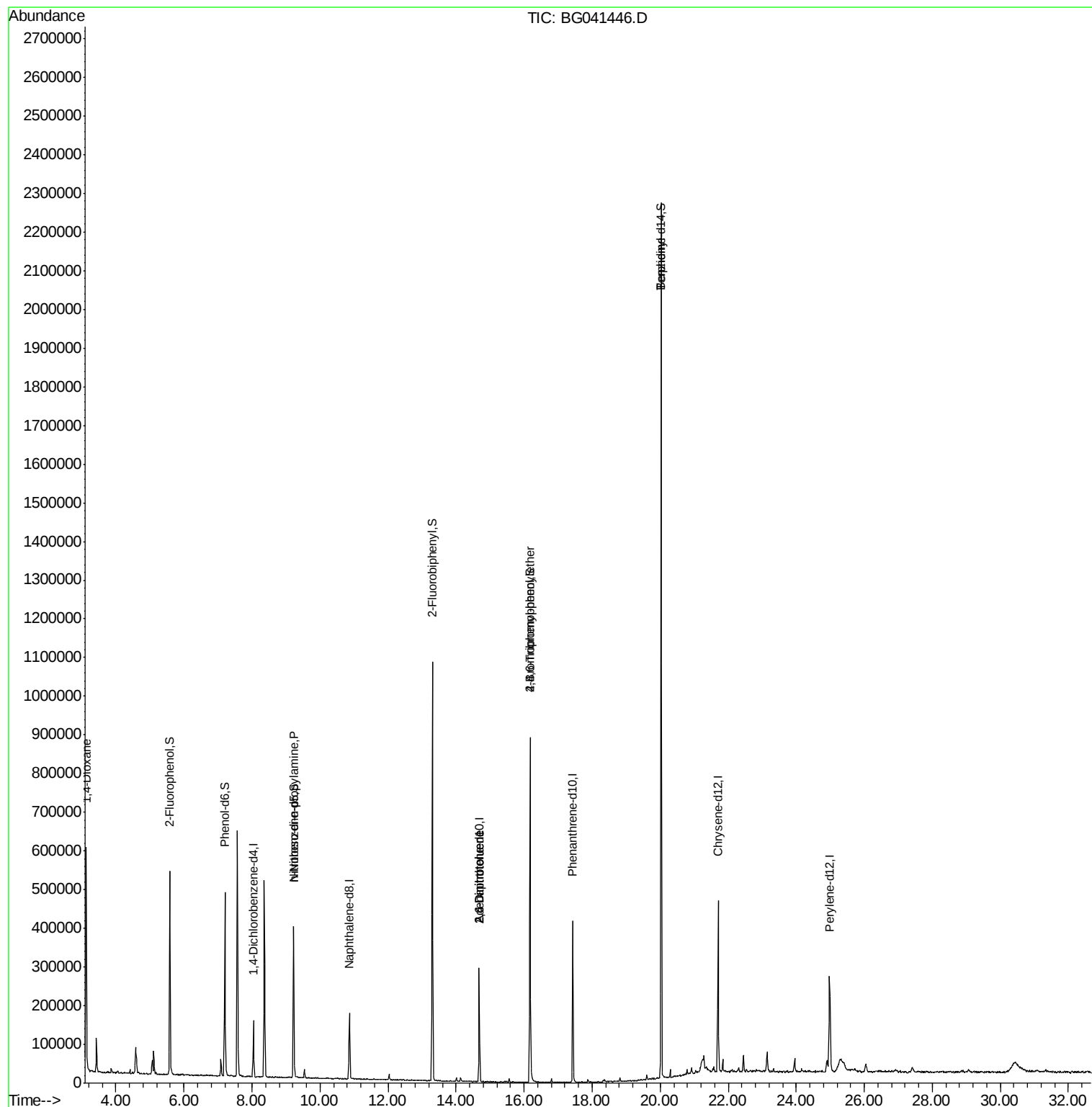
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39251	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	145786	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	102368	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	263003	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	279629	20.00	ng	-0.04
87) Perylene-d12	24.98	264	296223	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	208368	97.54	ng	-0.03
7) Phenol-d6	7.20	99	254384	82.15	ng	-0.03
23) Nitrobenzene-d5	9.22	82	253970	73.27	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	175822	111.88	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	581418	77.20	ng	-0.03
79) Terphenyl-d14	20.03	244	1087001	77.04	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.12	88	6011	5.612	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	35908	14.338	ng	# 78
51) 2,6-Dinitrotoluene	14.68	165	13494	7.026	ng	# 16
57) 2,4-Dinitrotoluene	14.68	165	13494	4.807	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	12418	3.652	ng	# 1
77) Benzidine	20.03	184	17684	2.615	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: BG041446.D

Acq: 25 Jun 2019 16:30

Instrument :

BNA_G

ClientSampleId :

TP-2

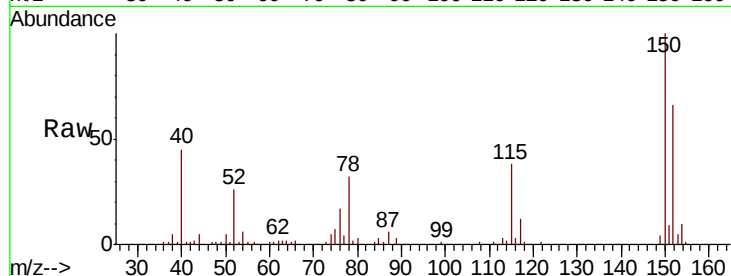
Tgt Ion:152 Resp: 39251

Ion Ratio Lower Upper

152 100

150 151.9 120.6 181.0

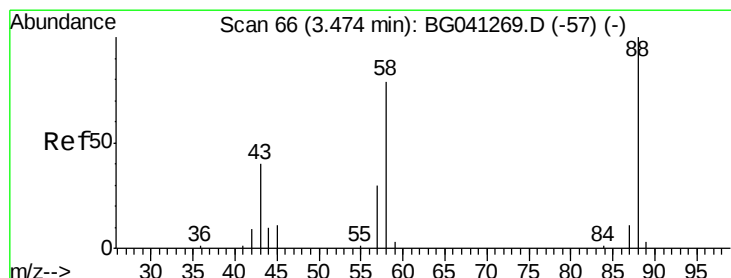
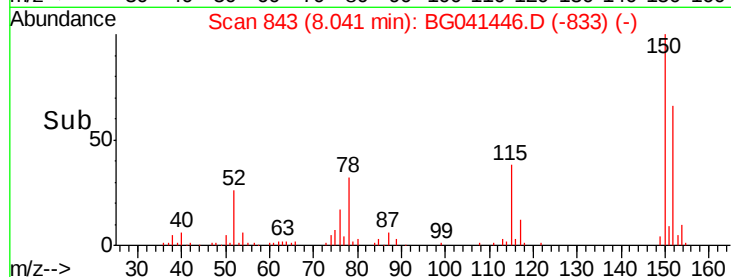
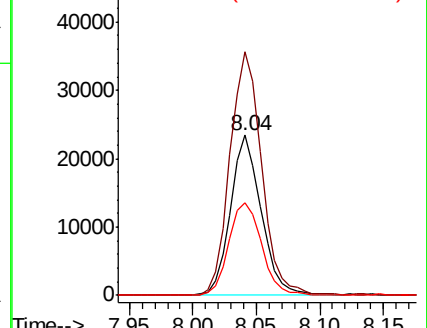
115 57.7 47.9 71.9



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: 5.612 ng

RT: 3.12 min Scan# 6

Delta R.T. -0.35 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

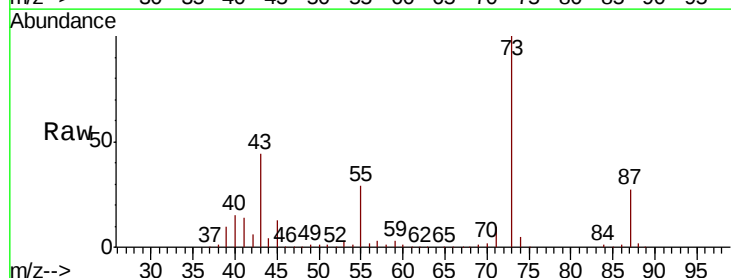
Tgt Ion: 88 Resp: 6011

Ion Ratio Lower Upper

88 100

58 38.6 59.7 89.5#

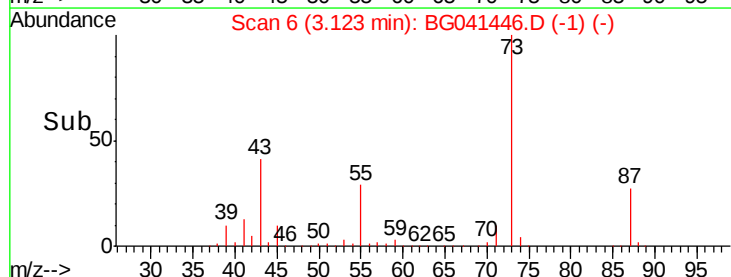
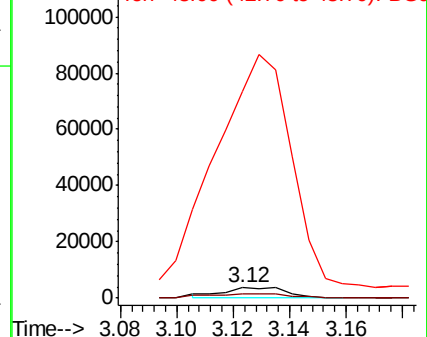
43 2333.2 31.9 47.9#

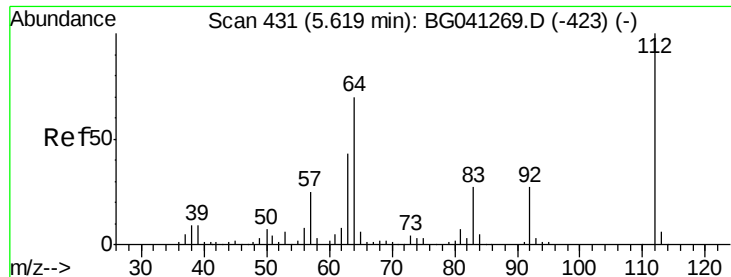


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 97.541 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

Instrument :

BNA_G

ClientSampleId :

TP-2

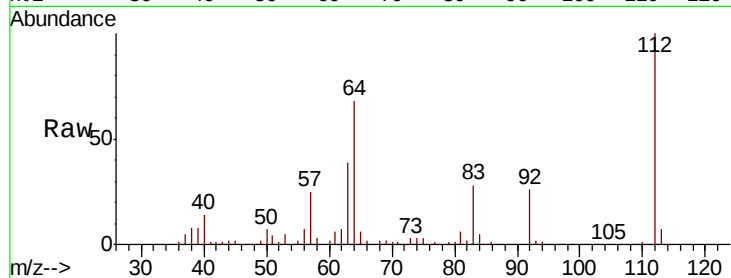
Tgt Ion: 112 Resp: 208368

Ion Ratio Lower Upper

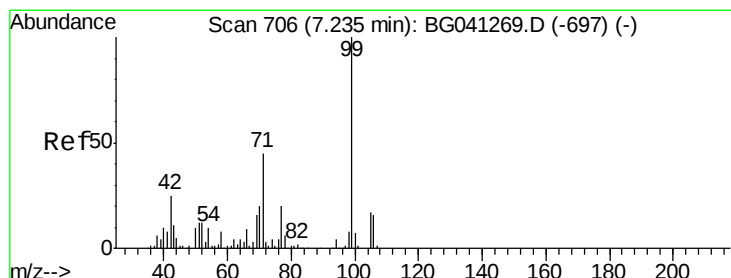
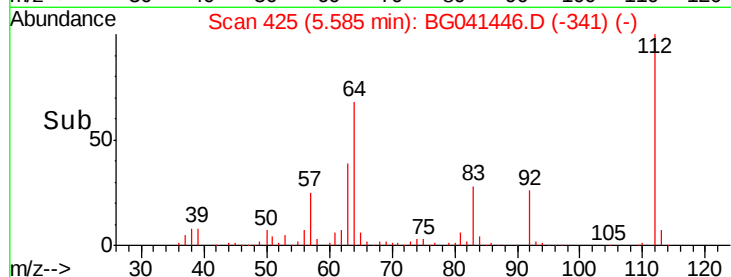
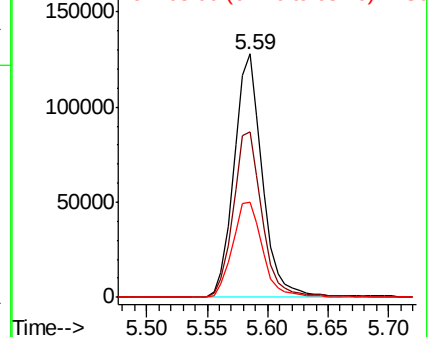
112 100

64 67.8 55.9 83.9

63 39.0 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: 82.153 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

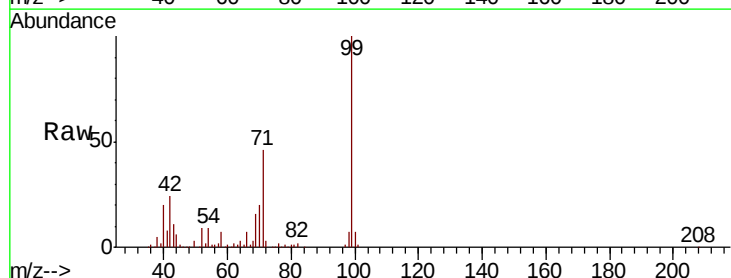
Tgt Ion: 99 Resp: 254384

Ion Ratio Lower Upper

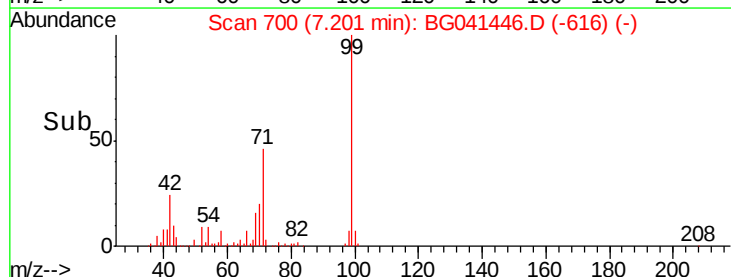
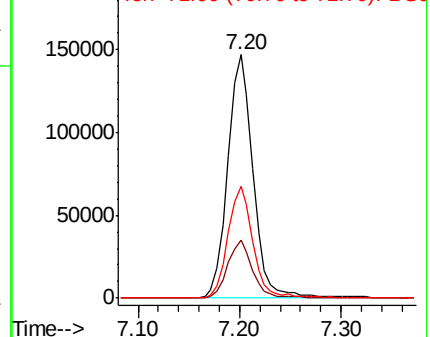
99 100

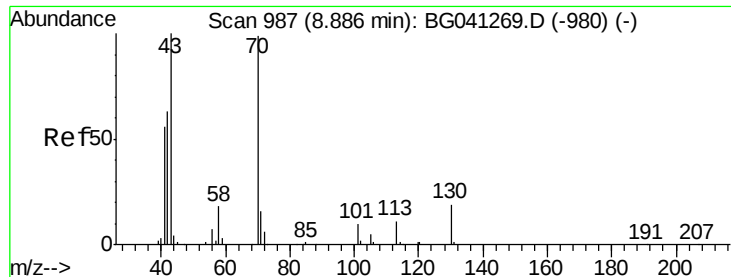
42 23.7 19.9 29.9

71 46.1 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

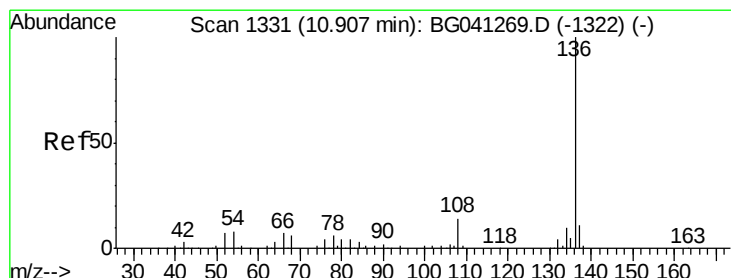
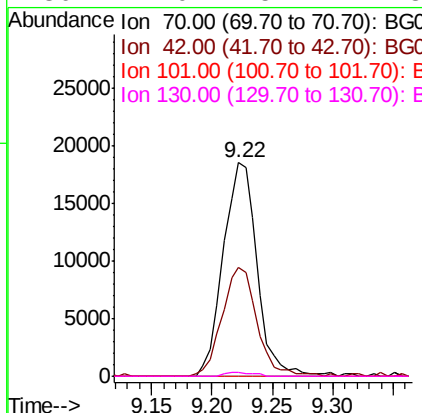
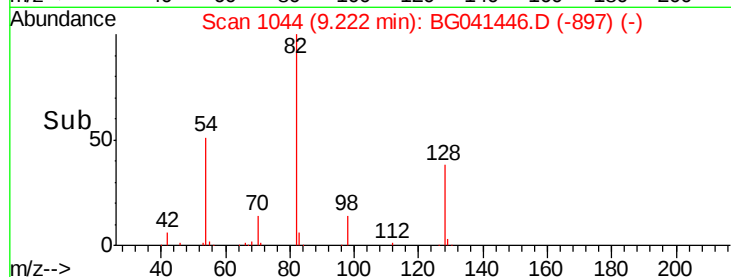
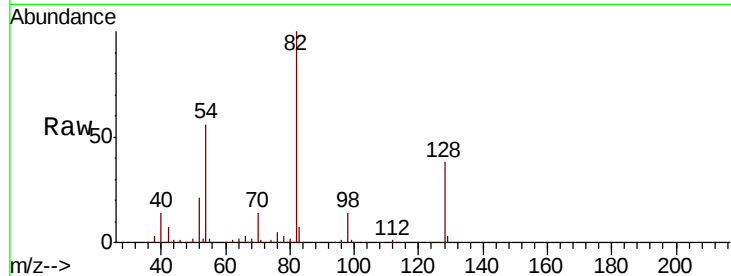




#19
n-Nitroso-di-n-propylamine
Concen: 14.338 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

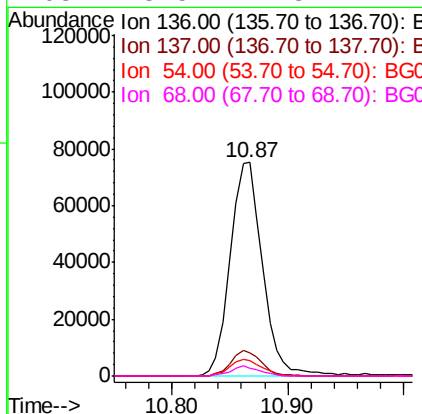
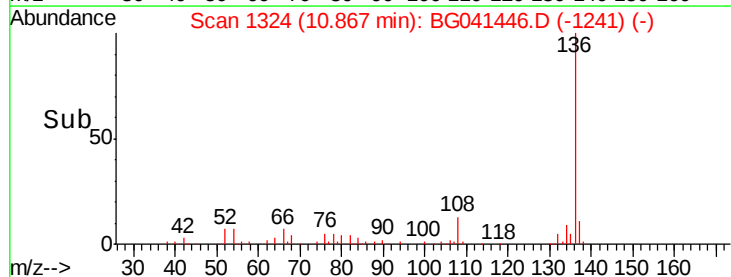
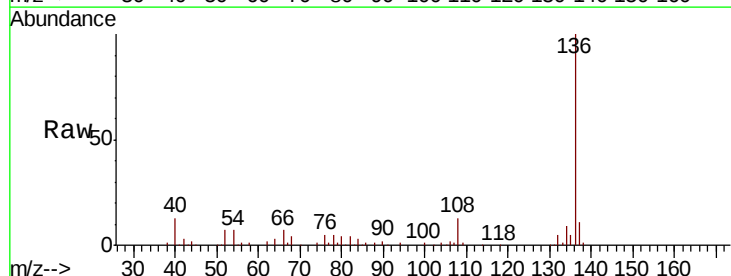
Instrument :
BNA_G
ClientSampleId :
TP-2

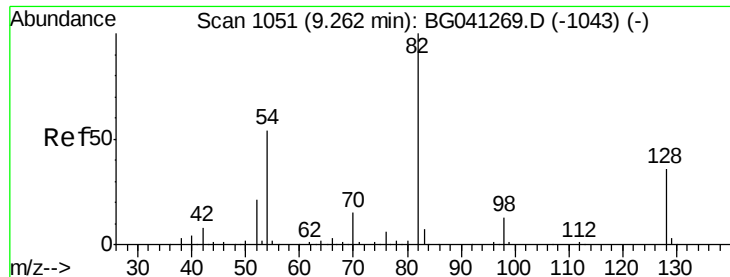
Tgt Ion: 70 Resp: 35908
Ion Ratio Lower Upper
70 100
42 50.8 51.4 77.2#
101 0.0 8.2 12.2#
130 2.0 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

Tgt Ion: 136 Resp: 145786
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 6.4 9.6
68 3.5 4.8 7.2#

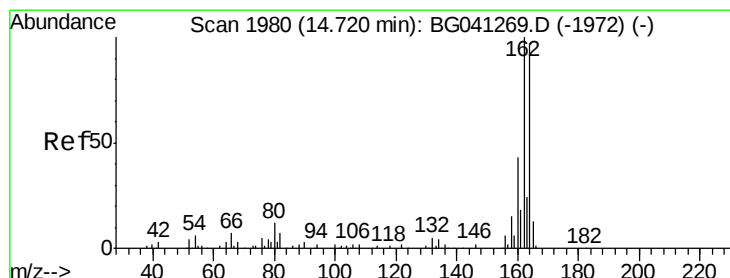
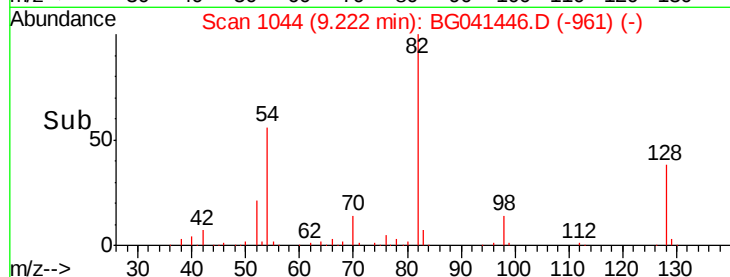
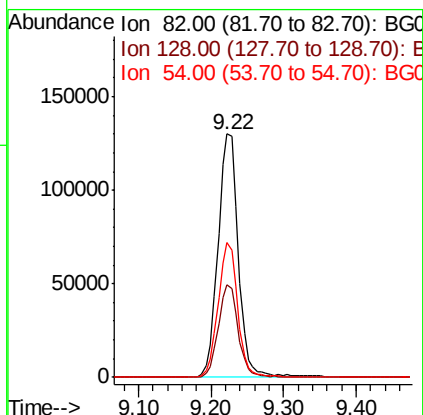
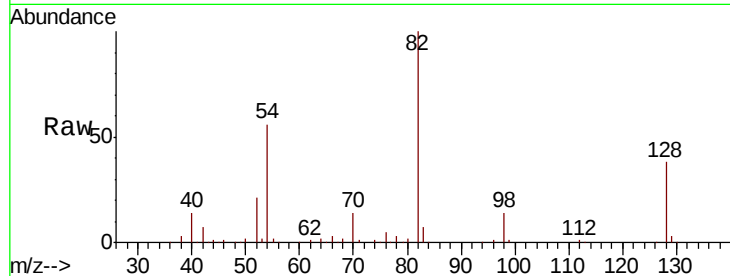




#23
 Nitrobenzene-d5
 Concen: 73.265 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041446.D
 Acq: 25 Jun 2019 16:30

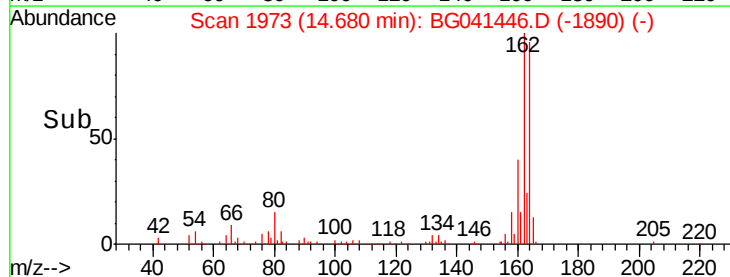
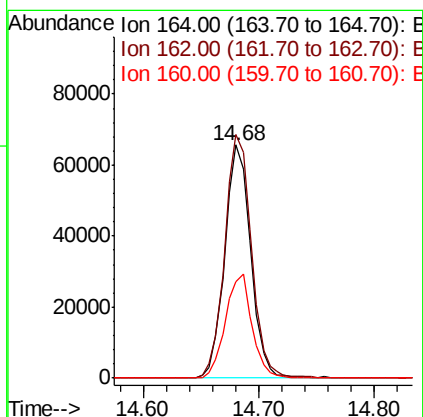
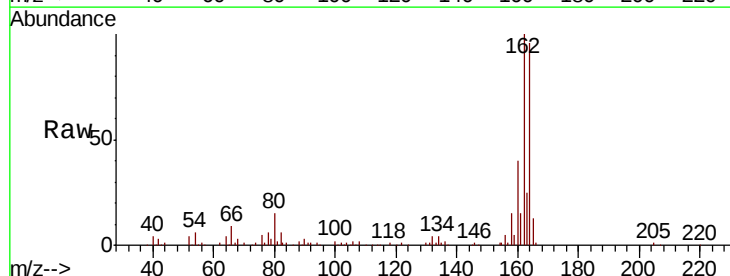
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

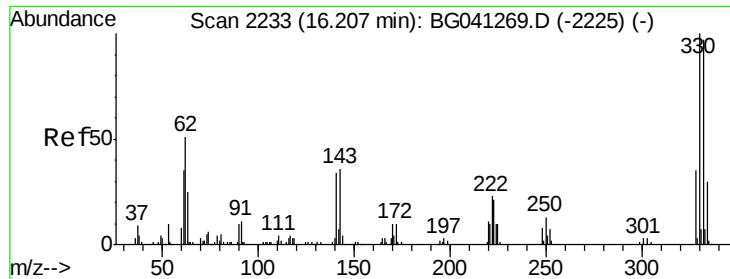
Tgt Ion: 82 Resp: 253970
 Ion Ratio Lower Upper
 82 100
 128 38.0 29.2 43.8
 54 55.6 43.4 65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041446.D
 Acq: 25 Jun 2019 16:30

Tgt Ion: 164 Resp: 102368
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.8 124.2
 160 41.6 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 111.876 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

Instrument :

BNA_G

ClientSampleId :

TP-2

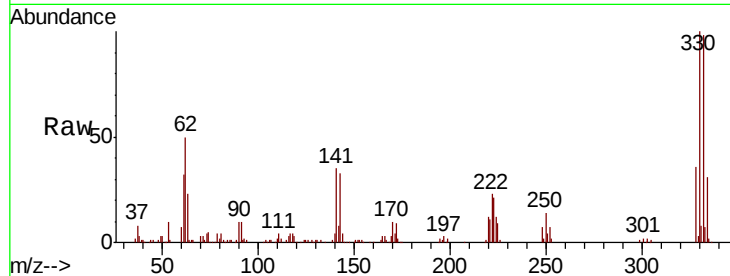
Tgt Ion:330 Resp: 175822

Ion Ratio Lower Upper

330 100

332 97.3 75.5 113.3

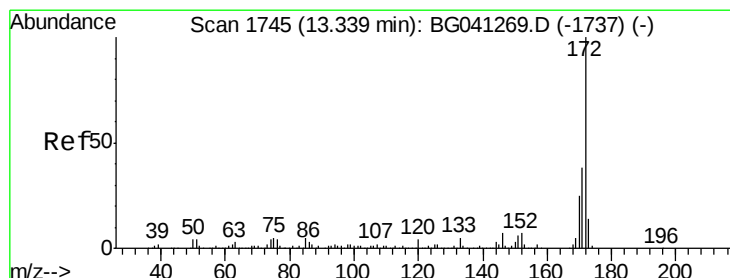
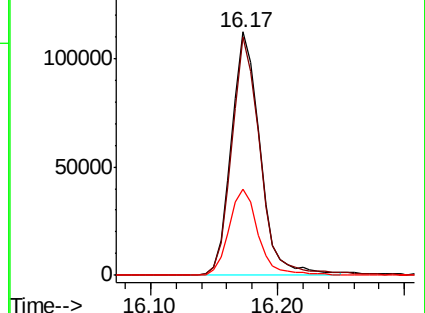
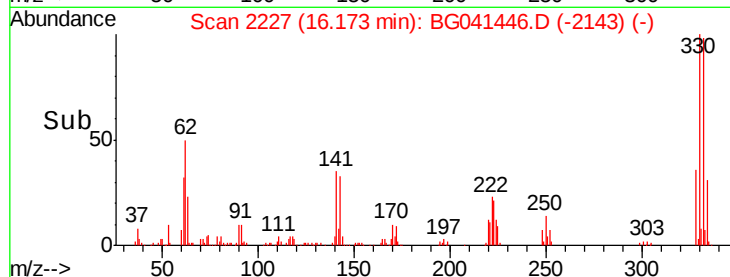
141 36.3 29.0 43.4



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: 77.196 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.03 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

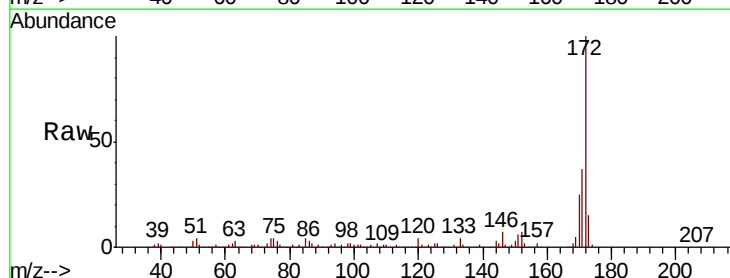
Tgt Ion:172 Resp: 581418

Ion Ratio Lower Upper

172 100

171 36.8 30.0 45.0

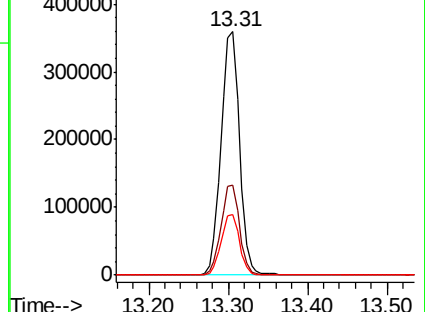
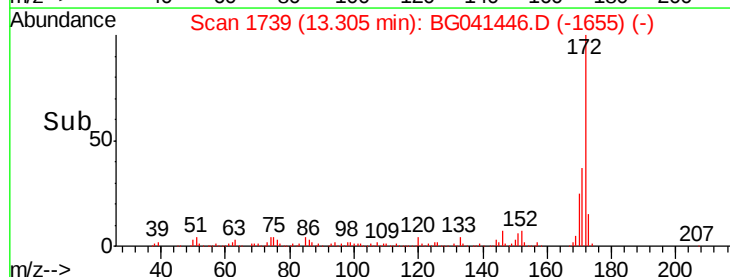
170 24.9 19.8 29.6

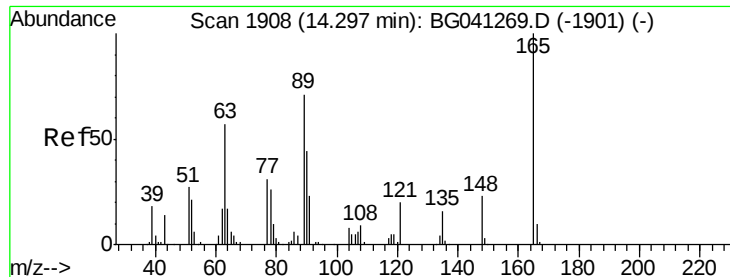


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

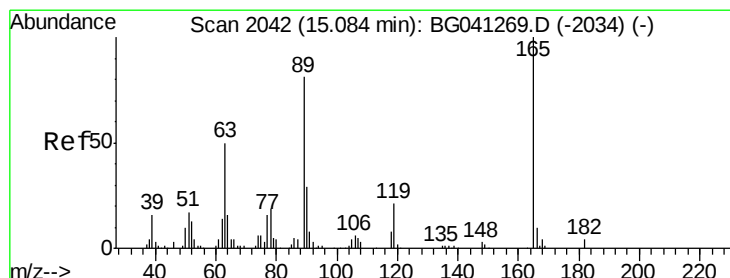
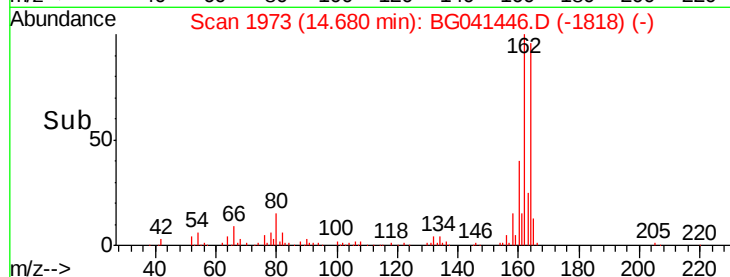
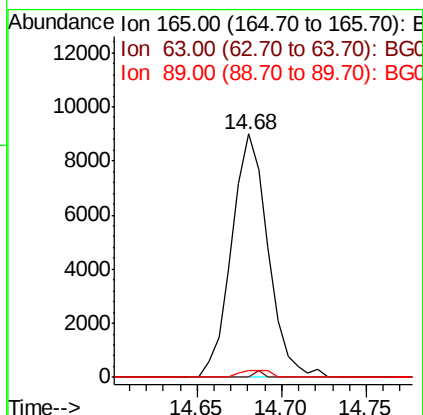
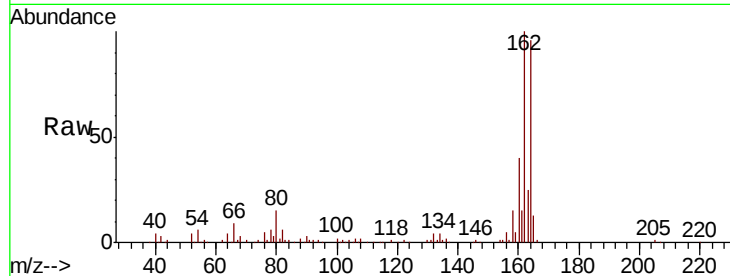




#51
2,6-Dinitrotoluene
Concen: 7.026 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.38 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

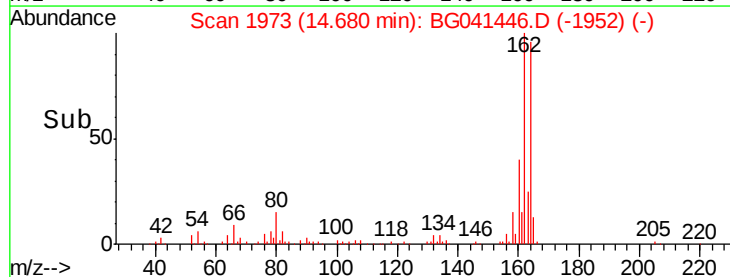
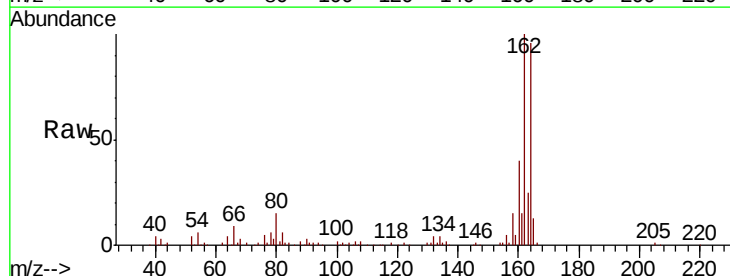
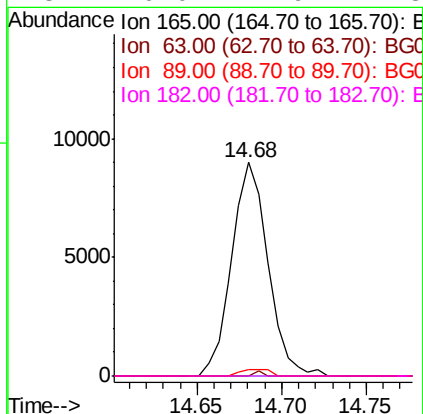
Instrument :
BNA_G
ClientSampleId :
TP-2

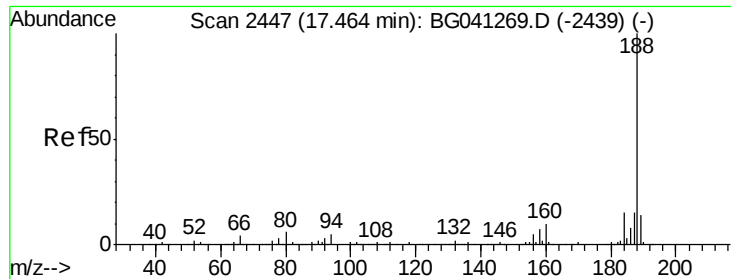
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	2.8	56.5	84.7#



#57
2,4-Dinitrotoluene
Concen: 4.807 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.40 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.8	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: BG041446.D

Acq: 25 Jun 2019 16:30

Instrument :

BNA_G

ClientSampleId :

TP-2

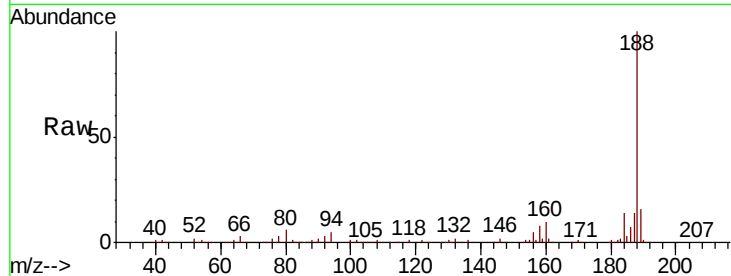
Tgt Ion:188 Resp: 263003

Ion Ratio Lower Upper

188 100

94 5.1 3.6 5.4

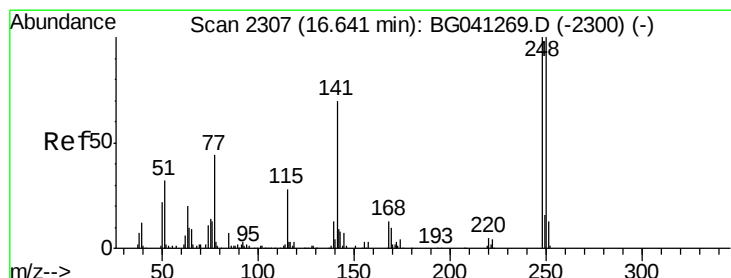
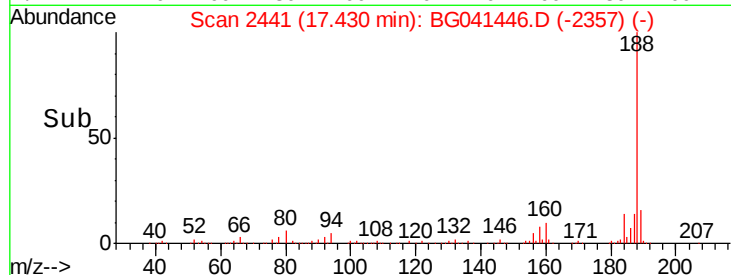
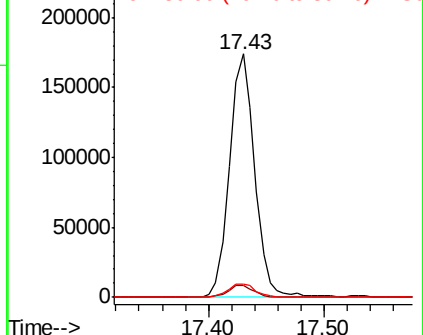
80 5.6 4.8 7.2



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: 3.652 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

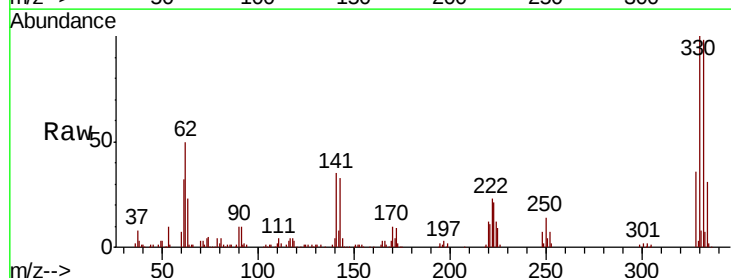
Tgt Ion:248 Resp: 12418

Ion Ratio Lower Upper

248 100

250 192.6 79.8 119.8#

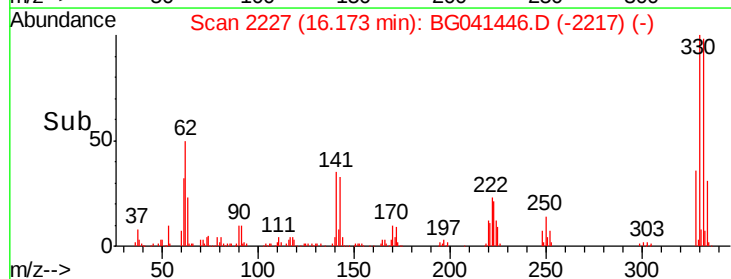
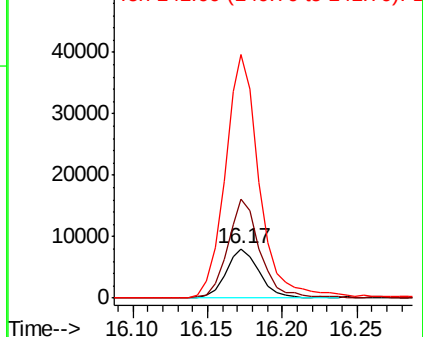
141 372.8 55.8 83.6#

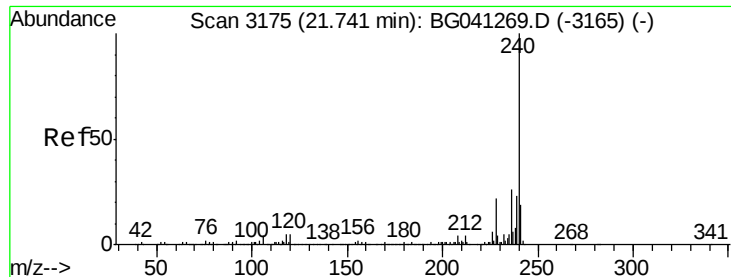


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

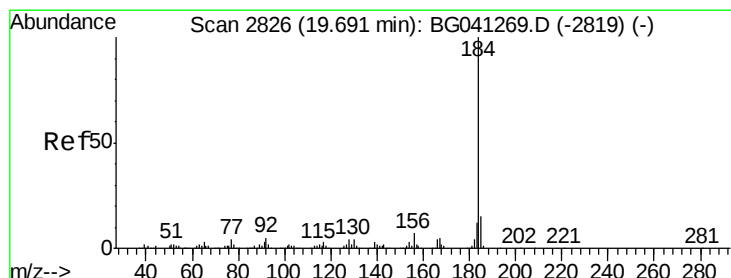
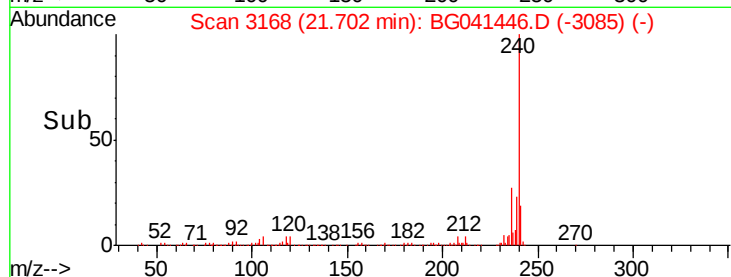
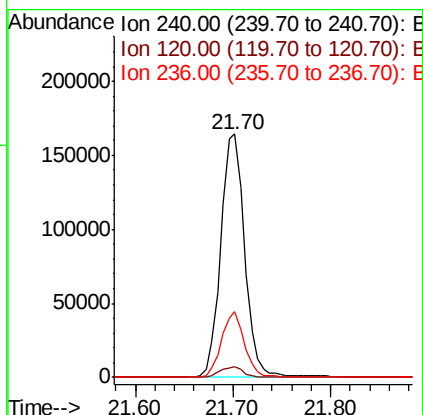
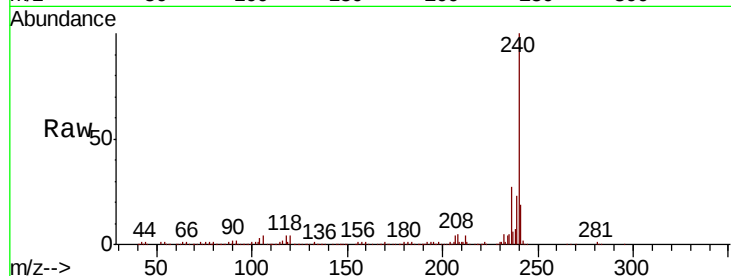




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

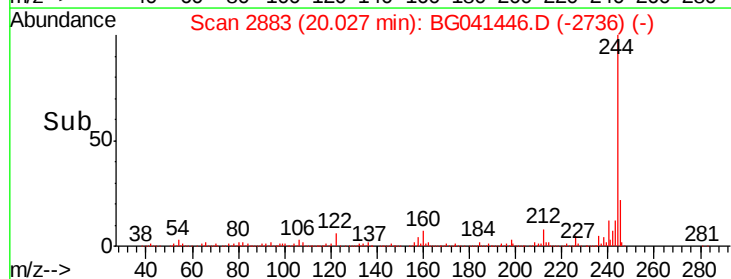
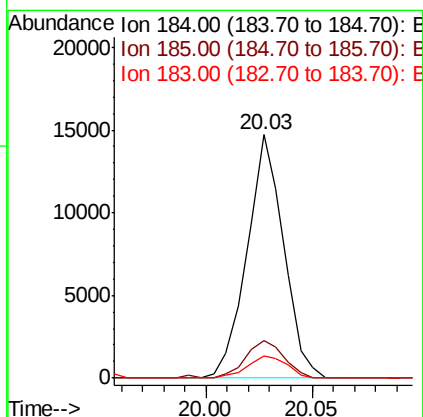
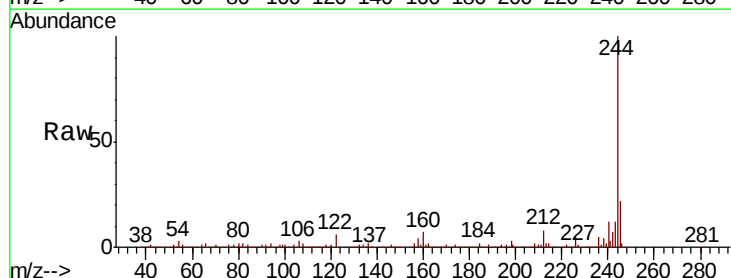
Instrument :
BNA_G
ClientSampleId :
TP-2

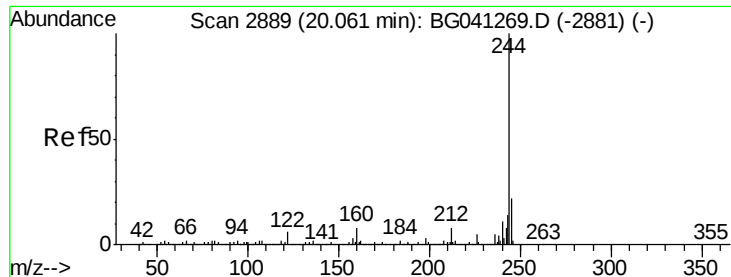
Tgt Ion:240 Resp: 279629
Ion Ratio Lower Upper
240 100
120 4.5 3.7 5.5
236 26.9 21.1 31.7



#77
Benzidine
Concen: 2.615 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041446.D
Acq: 25 Jun 2019 16:30

Tgt Ion:184 Resp: 17684
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 9.1 9.6 14.4#





#79

Terphenyl-d14

Concen: 77.038 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041446.D

Acq: 25 Jun 2019 16:30

Instrument :

BNA_G

ClientSampleId :

TP-2

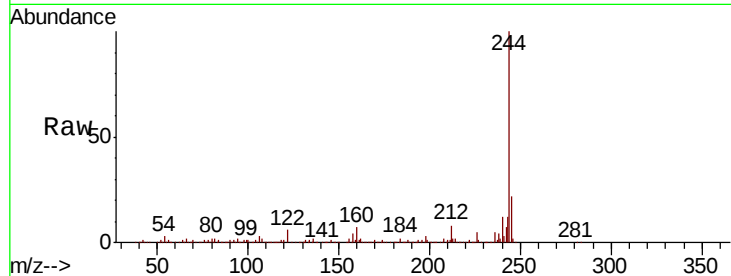
Tgt Ion:244 Resp: 1087001

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

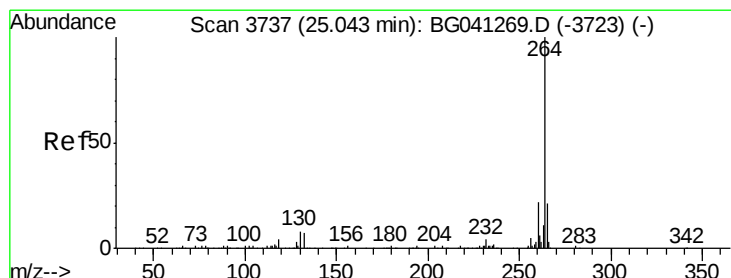
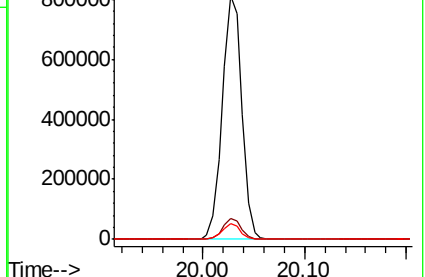
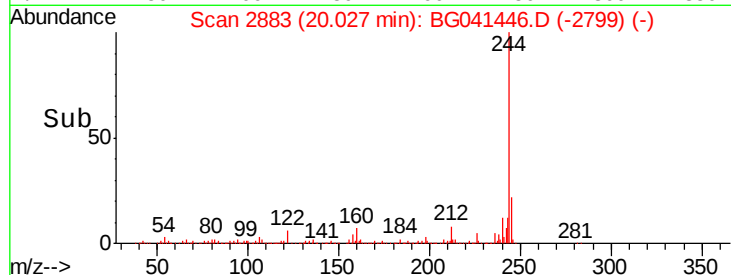
122 6.4 5.0 7.4



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: BG041446.D

Acq: 25 Jun 2019 16:30

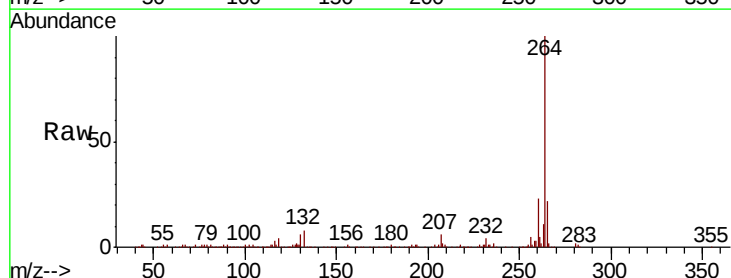
Tgt Ion:264 Resp: 296223

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.2

265 21.9 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

