

Data File : BG044167.D
Acq On : 23 Jan 2020 15:00
Operator : JU
Sample : L1230-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-A

Quant Time: Jan 24 04:34:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	79364	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	348660	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	237062	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	485652	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	424638	20.00	ng	-0.03
87) Perylene-d12	24.66	264	463301	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	583454	134.98	ng	-0.03
7) Phenol-d6	7.10	99	792043	131.09	ng	-0.03
23) Nitrobenzene-d5	9.08	82	483312	74.16	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	300710	121.21	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1144896	87.50	ng	-0.03
79) Terphenyl-d14	19.92	244	1602703	93.34	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	43348	6.963	ng	99
19) n-Nitroso-di-n-propylamine	9.08	70	62856	13.970	ng	# 77
50) Dimethylphthalate	14.01	163	163640	9.722	ng	97
57) 2,4-Dinitrotoluene	14.56	165	30545	5.900	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1017	4.759	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	21082	3.860	ng	# 1
77) Benizidine	19.92	184	26911	2.521	ng	# 91

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

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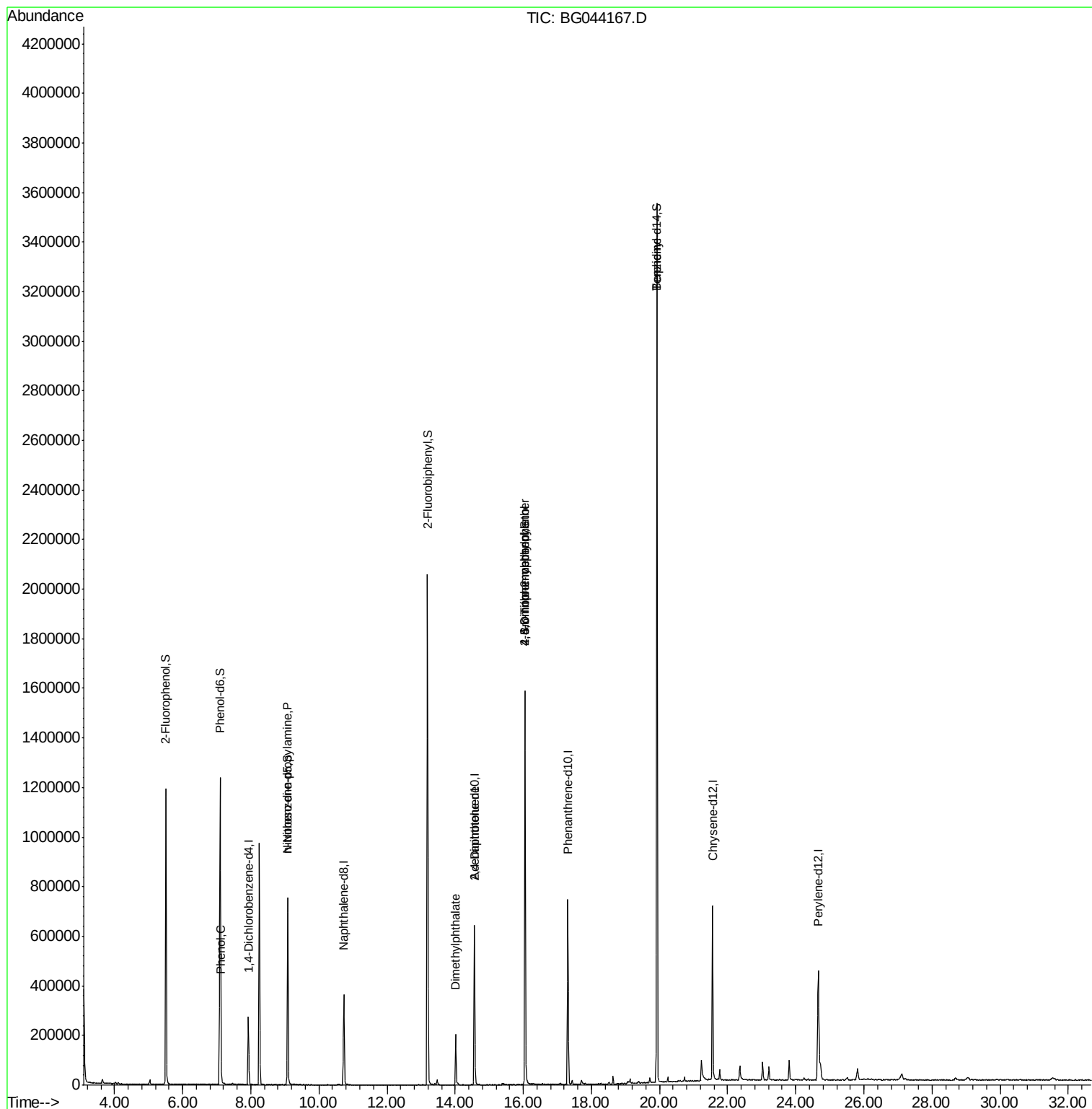
Quant Time: Jan 24 04:34:43 2020

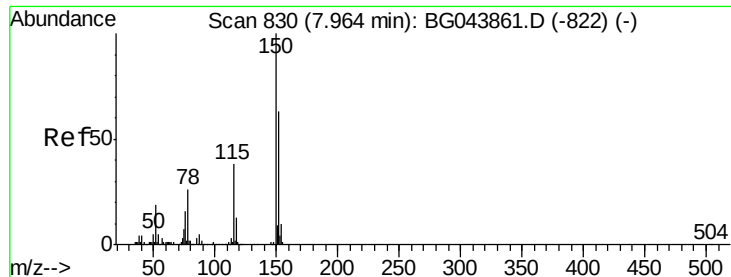
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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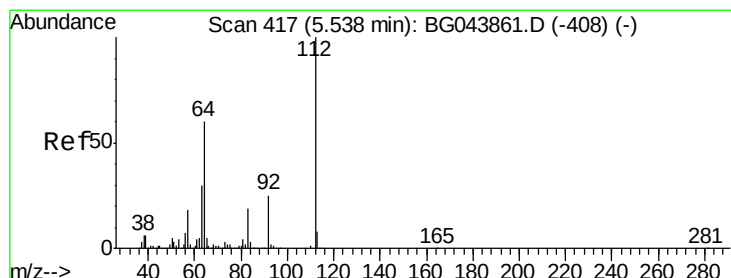
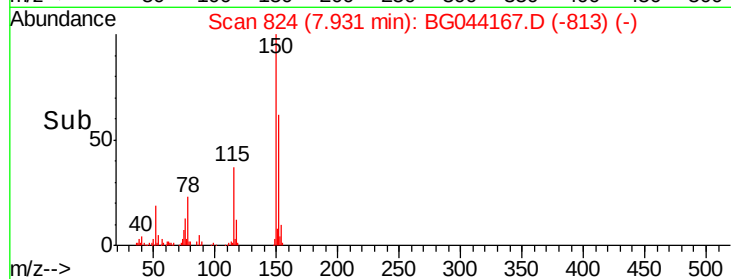
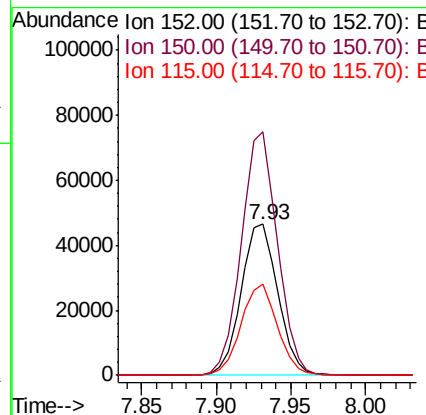
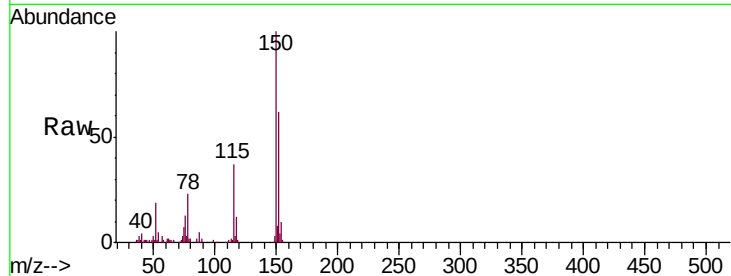


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044167.D
Acq: 23 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-A

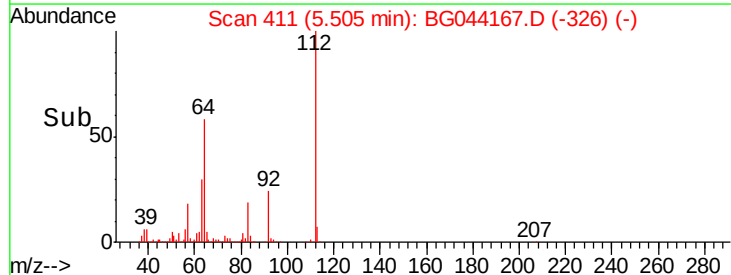
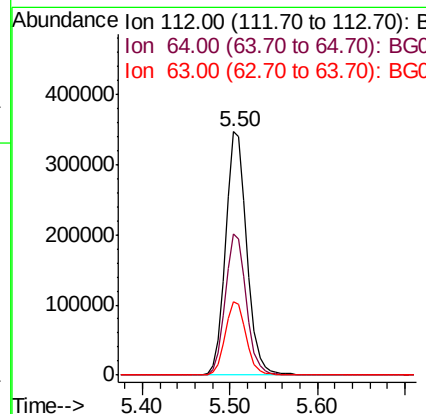
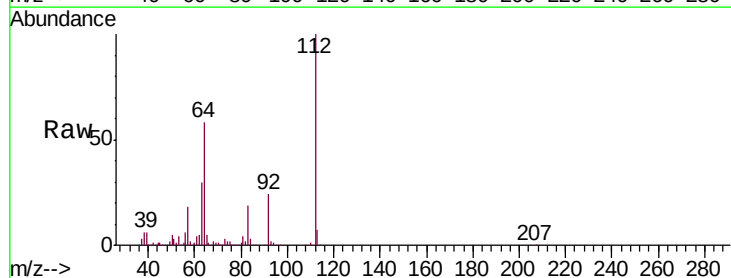
Tgt Ion:152 Resp: 79364
Ion Ratio Lower Upper
152 100
150 160.9 127.0 190.4
115 60.2 47.8 71.8

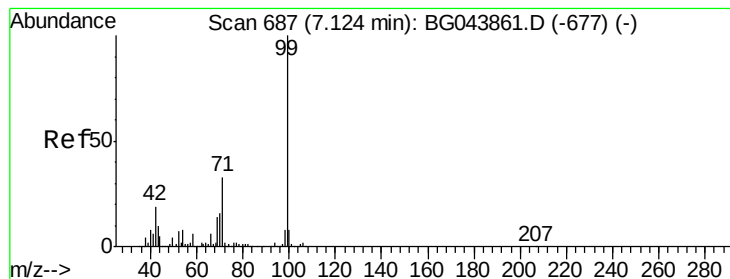


#5

2-Fluorophenol
Concen: 134.985 ng
RT: 5.50 min Scan# 411
Delta R.T. -0.03 min
Lab File: BG044167.D
Acq: 23 Jan 2020 15:00

Tgt Ion:112 Resp: 583454
Ion Ratio Lower Upper
112 100
64 58.0 47.8 71.6
63 29.9 24.3 36.5





#7

Phenol-d6

Concen: 131.092 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

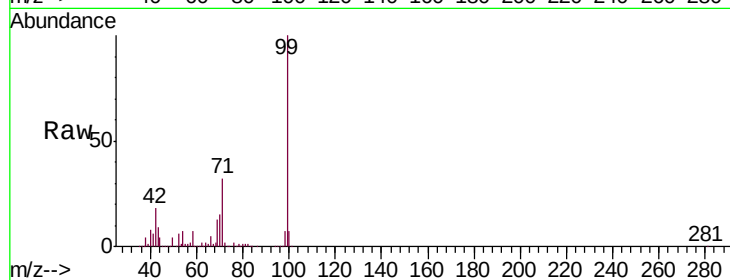
Tgt Ion: 99 Resp: 792043

Ion Ratio Lower Upper

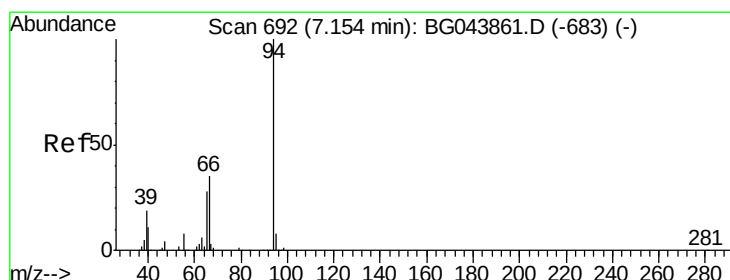
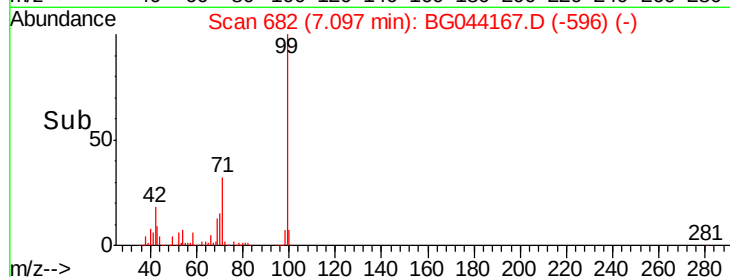
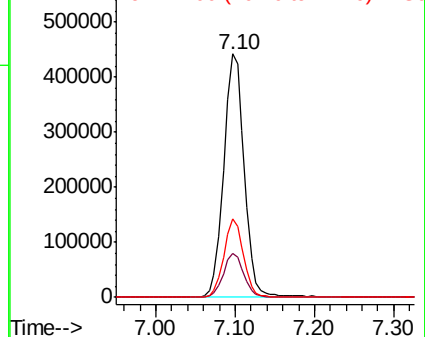
99 100

42 18.2 14.9 22.3

71 32.4 26.4 39.6



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



#10

Phenol

Concen: 6.963 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

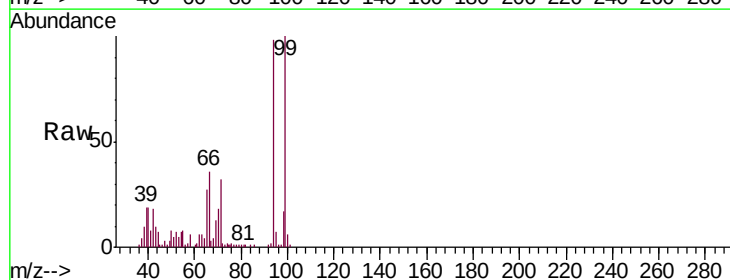
Tgt Ion: 94 Resp: 43348

Ion Ratio Lower Upper

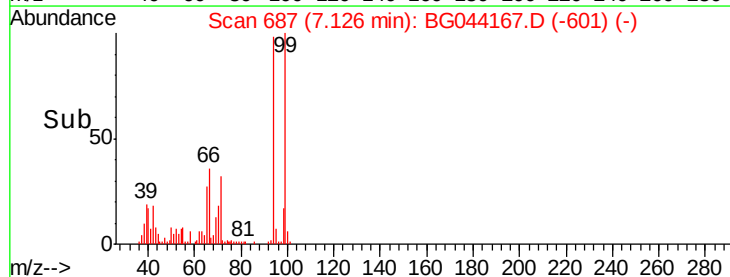
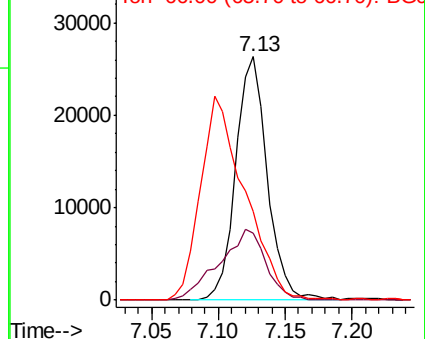
94 100

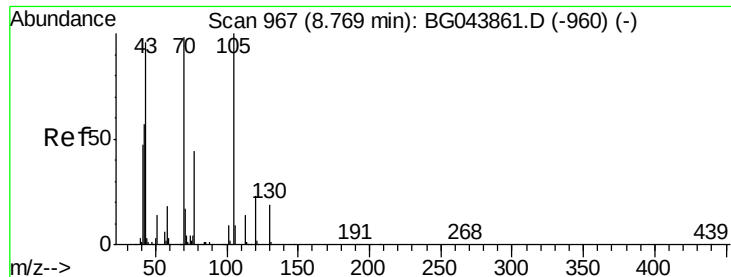
65 27.3 8.1 48.1

66 36.4 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

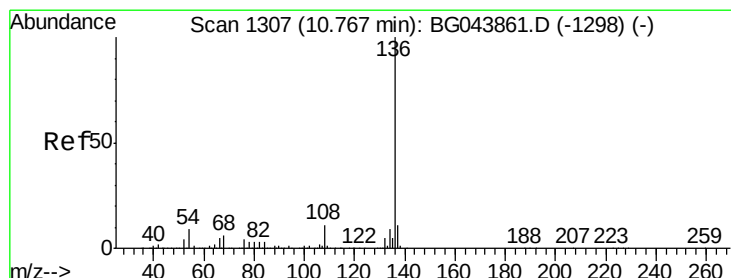
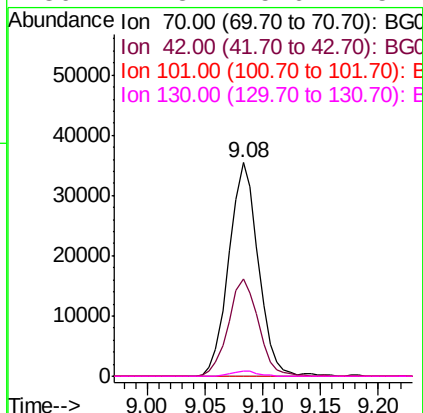
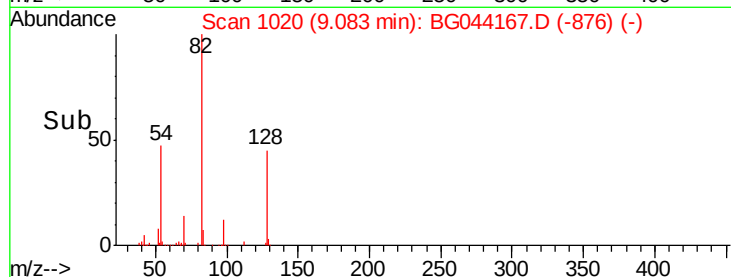
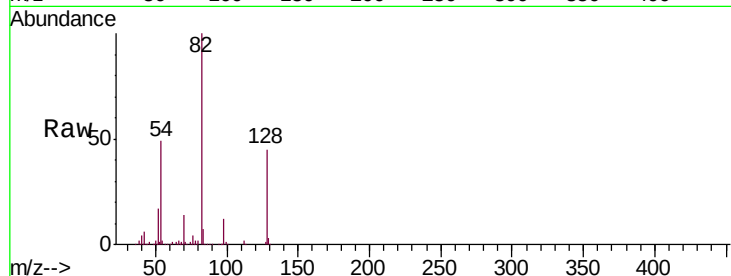




#19
n-Nitroso-di-n-propylamine
Concen: 13.970 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044167.D
Acq: 23 Jan 2020 15:00

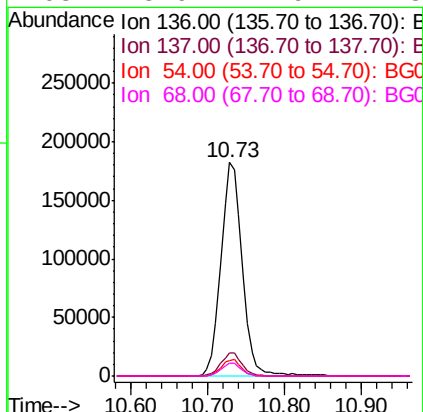
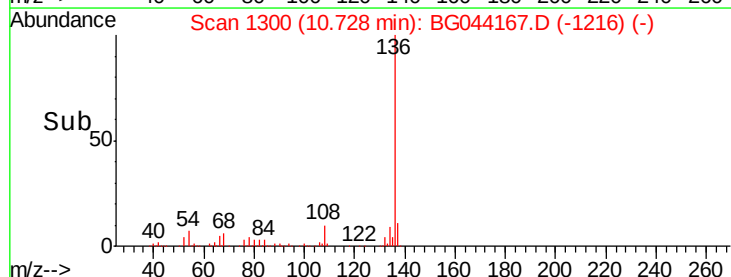
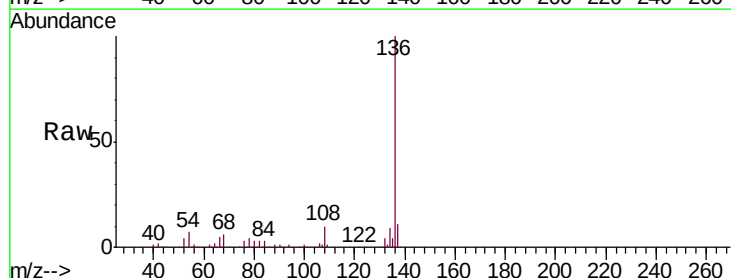
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-A

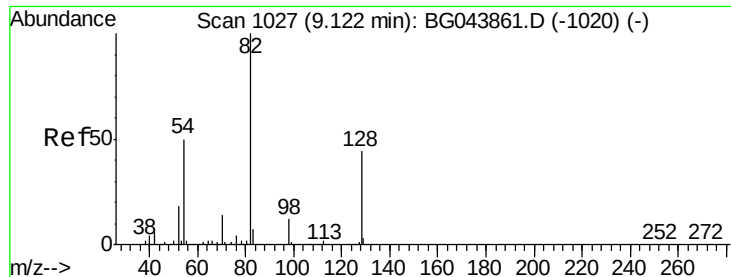
Tgt Ion: 70 Resp: 62856
Ion Ratio Lower Upper
70 100
42 45.7 47.0 70.4#
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044167.D
Acq: 23 Jan 2020 15:00

Tgt Ion: 136 Resp: 348660
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 7.0 10.4
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 74.156 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

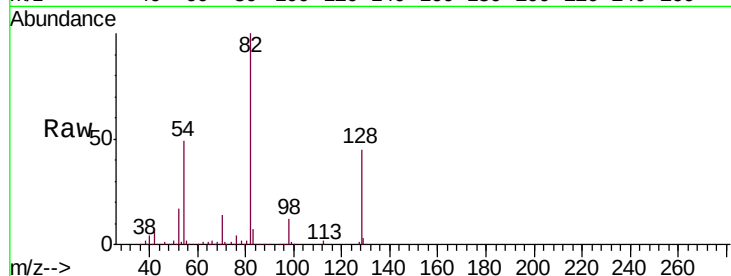
Tgt Ion: 82 Resp: 483312

Ion Ratio Lower Upper

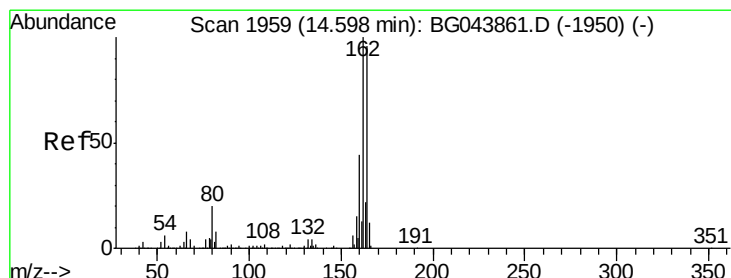
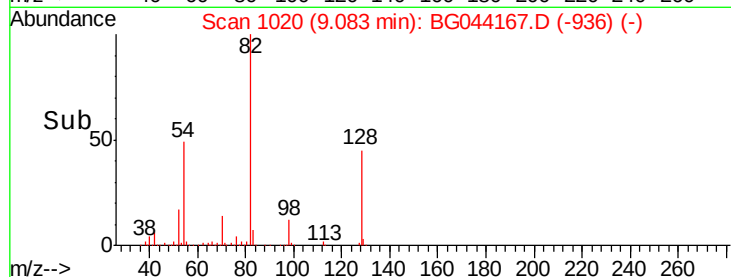
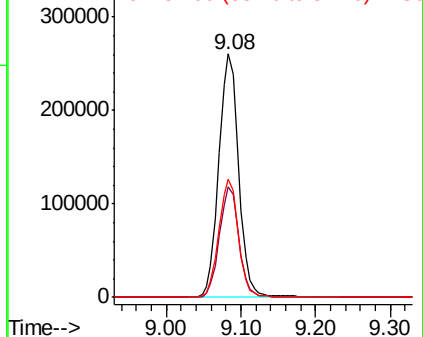
82 100

128 45.4 35.1 52.7

54 48.7 40.1 60.1



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: 14.56 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

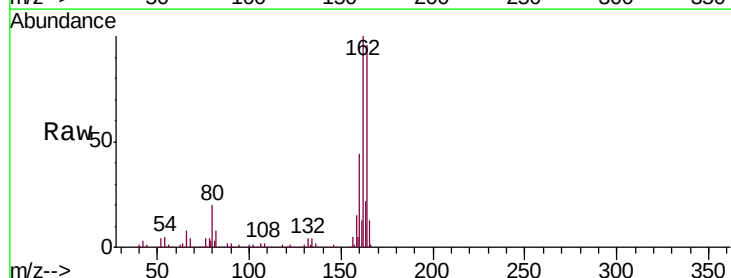
Tgt Ion: 164 Resp: 237062

Ion Ratio Lower Upper

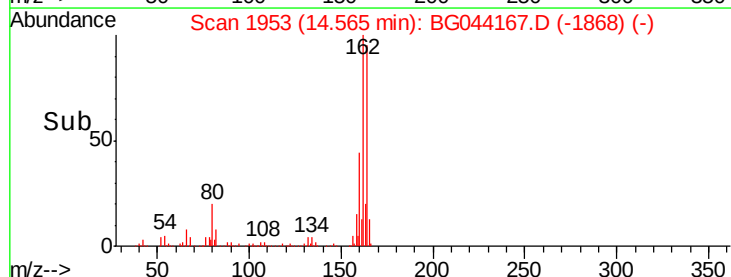
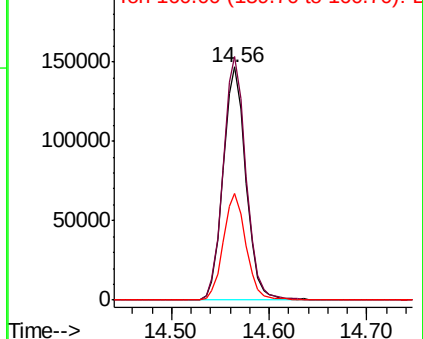
164 100

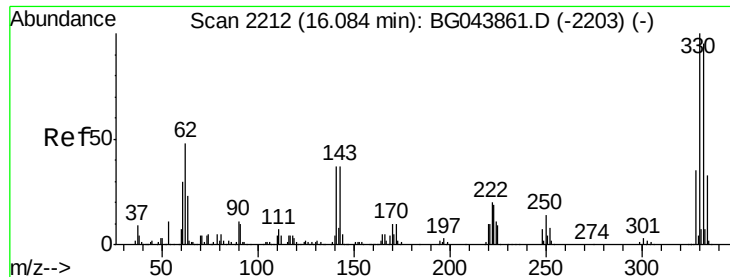
162 104.6 83.0 124.4

160 45.7 36.1 54.1



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: 121.215 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

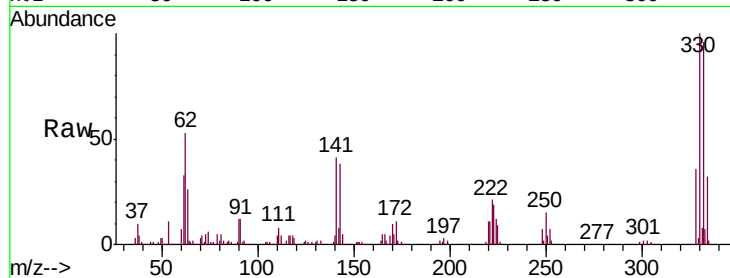
Tgt Ion:330 Resp: 300710

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

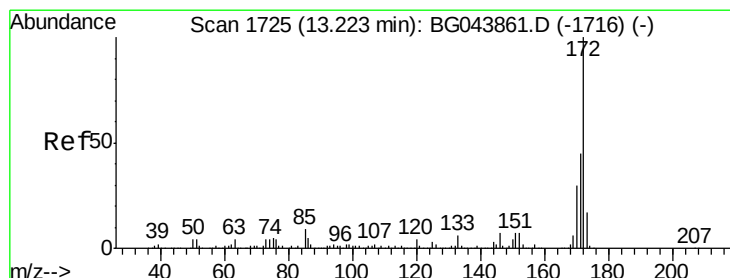
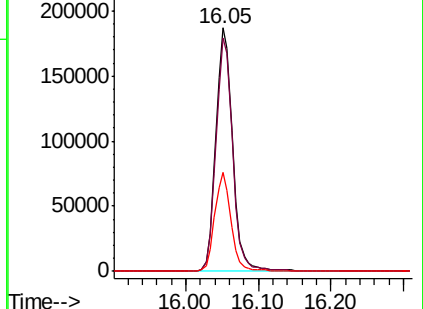
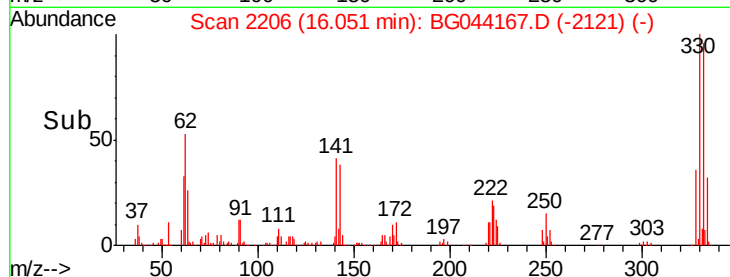
141 39.4 33.1 49.7



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: 87.500 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

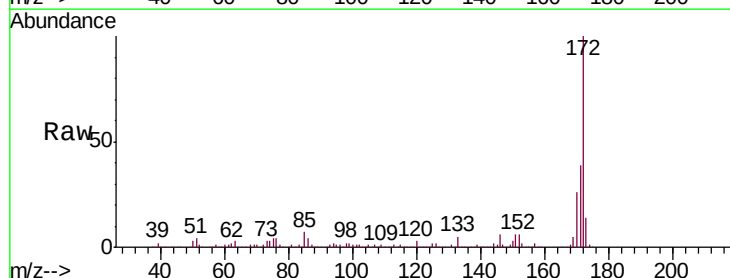
Tgt Ion:172 Resp: 1144896

Ion Ratio Lower Upper

172 100

171 39.1 35.8 53.8

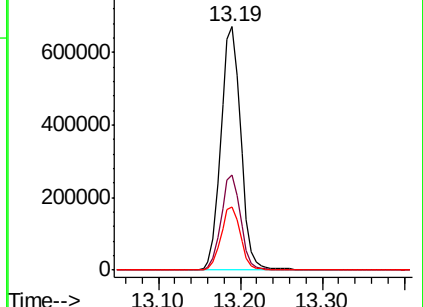
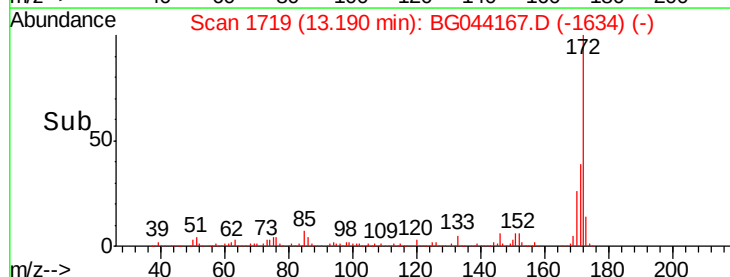
170 26.0 24.2 36.4

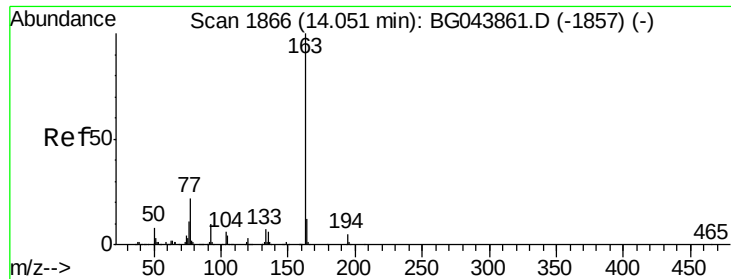


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.722 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.04 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

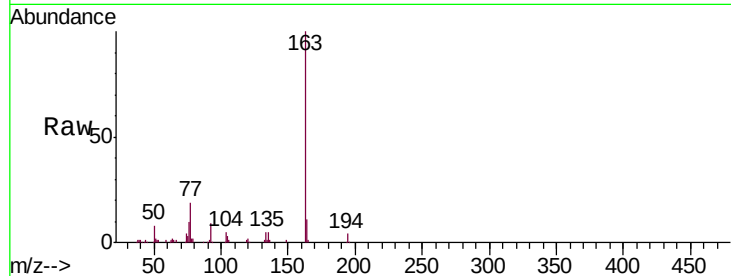
Tgt Ion:163 Resp: 163640

Ion Ratio Lower Upper

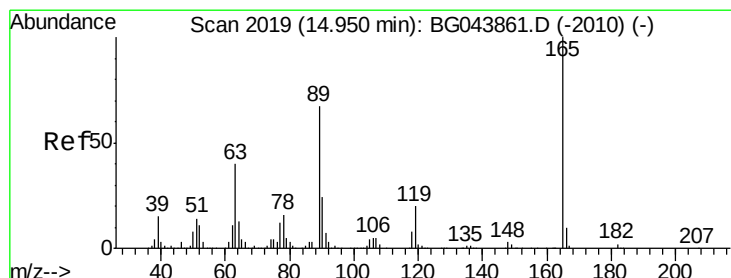
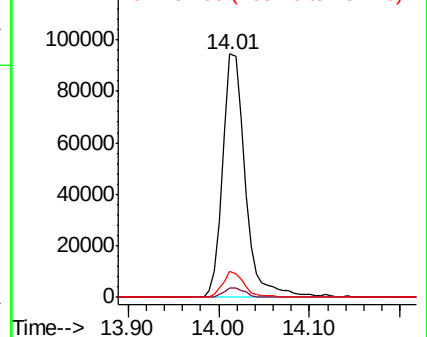
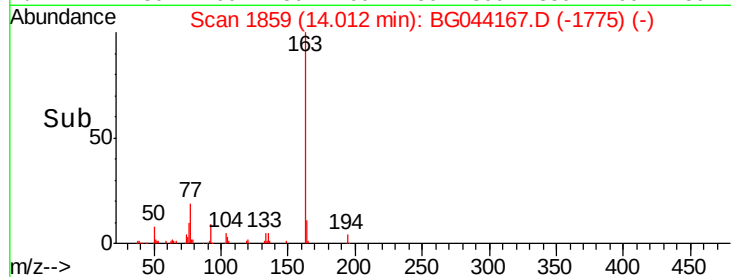
163 100

194 3.7 3.7 5.5

164 10.6 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.900 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Tgt Ion:165 Resp: 30545

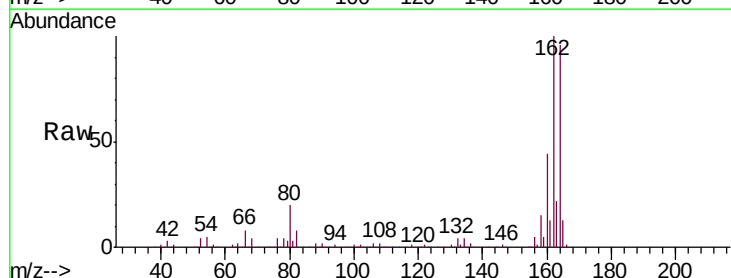
Ion Ratio Lower Upper

165 100

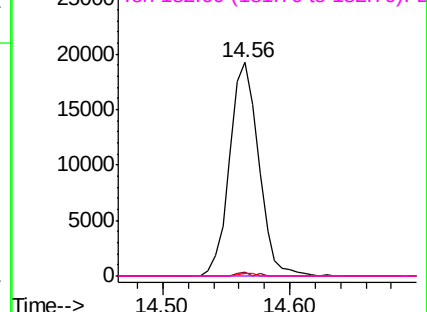
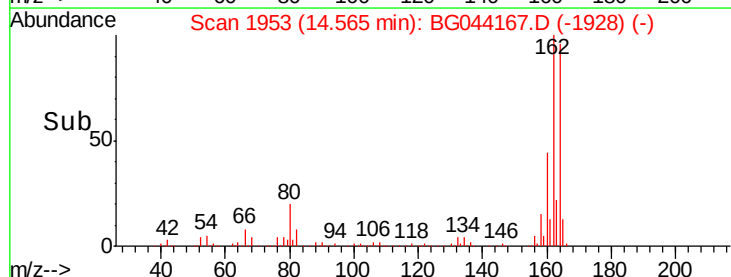
63 1.5 31.9 47.9#

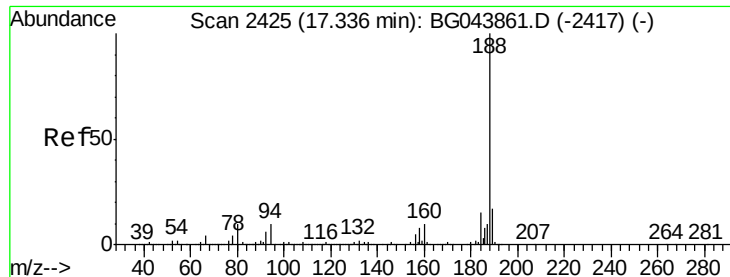
89 1.5 53.8 80.6#

182 0.0 2.0 3.0#



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: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

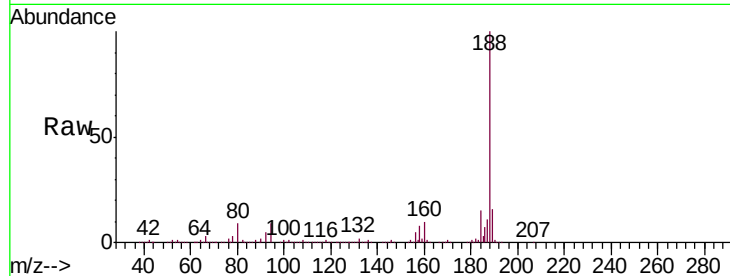
Tgt Ion:188 Resp: 485652

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

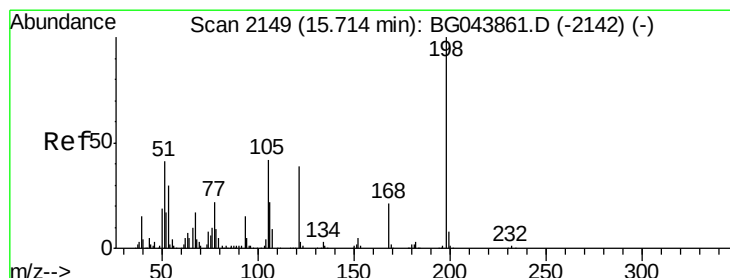
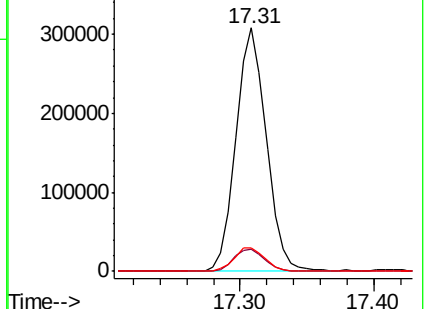
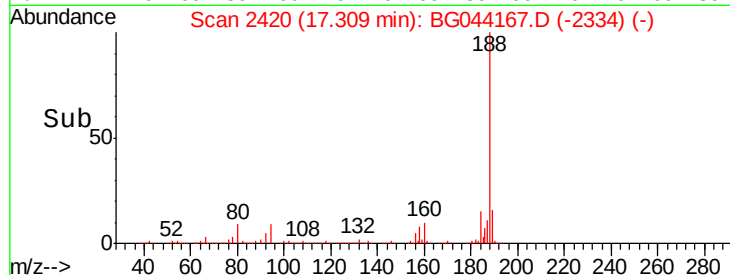
80 9.5 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.759 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.33 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

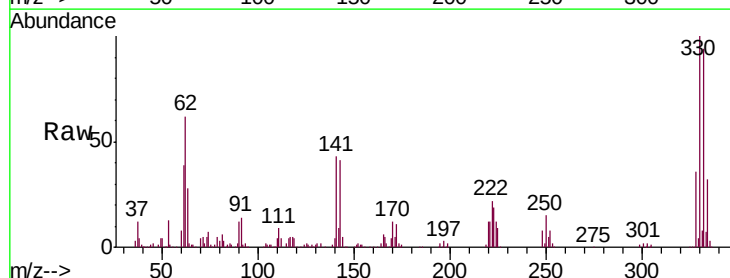
Tgt Ion:198 Resp: 1017

Ion Ratio Lower Upper

198 100

51 94.2 22.5 62.5#

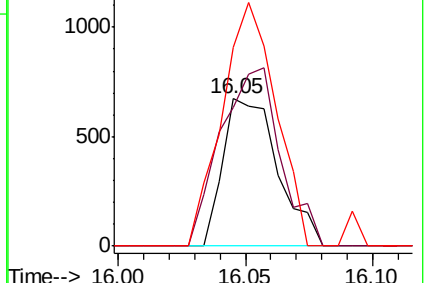
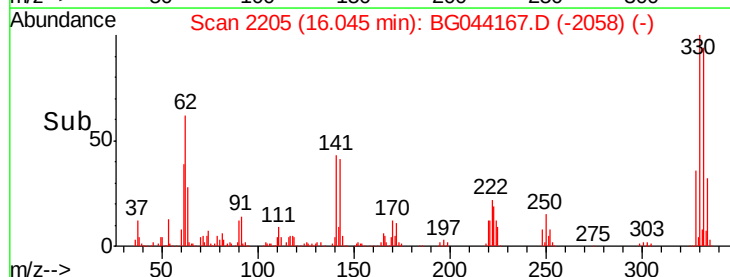
105 135.1 22.3 62.3#

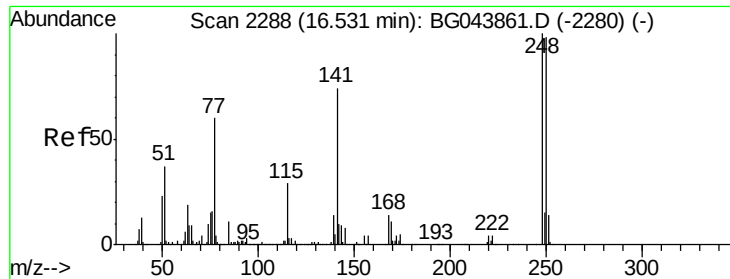


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

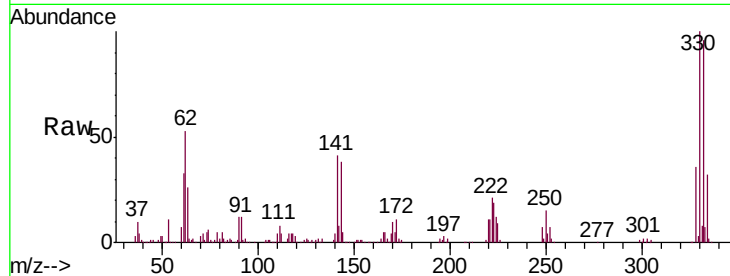




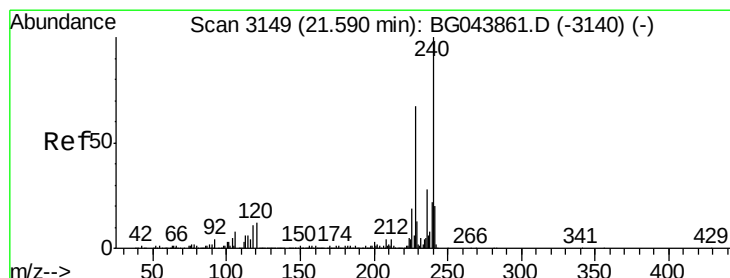
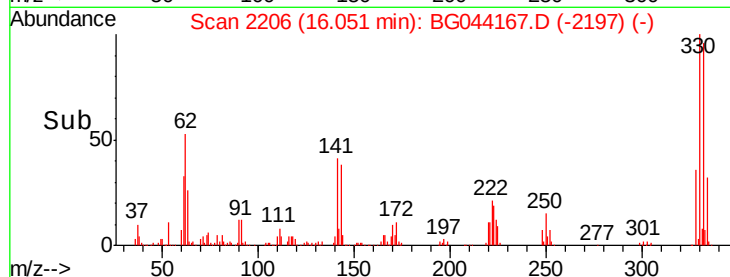
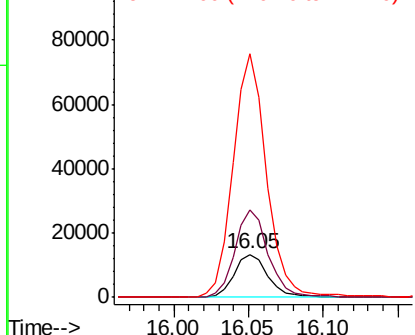
#67
 4-Bromophenyl-phenylether
 Concen: 3.860 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044167.D
 Acq: 23 Jan 2020 15:00

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-A

Tgt Ion:248 Resp: 21082
 Ion Ratio Lower Upper
 248 100
 250 202.4 78.2 117.2#
 141 562.5 59.3 88.9#

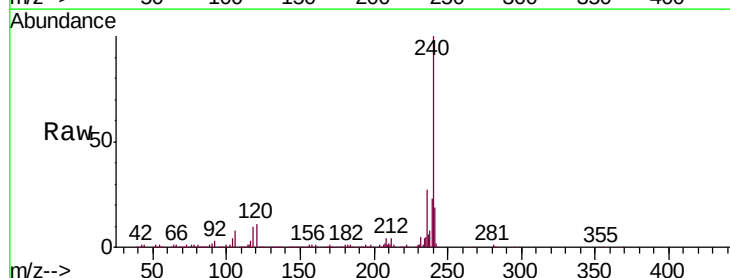


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

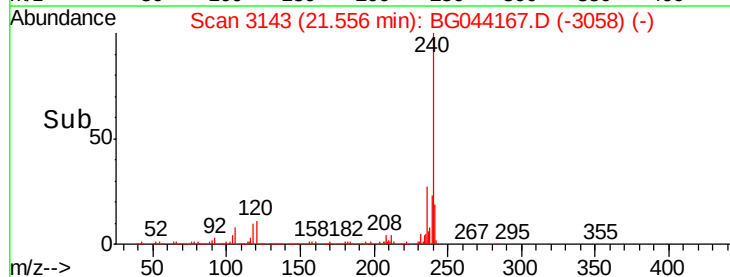
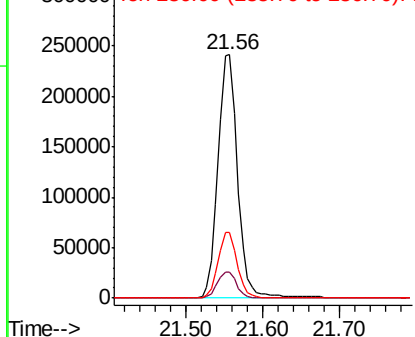


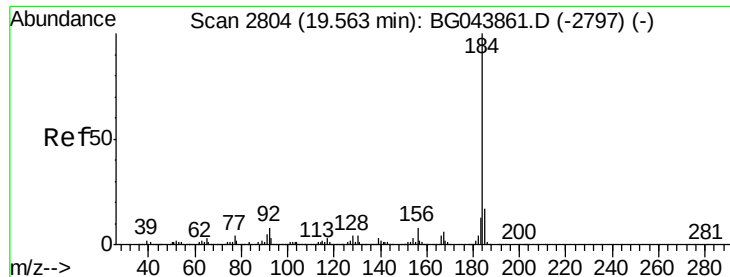
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044167.D
 Acq: 23 Jan 2020 15:00

Tgt Ion:240 Resp: 424638
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.6 14.4
 236 27.0 22.2 33.2



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: 2.521 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-A

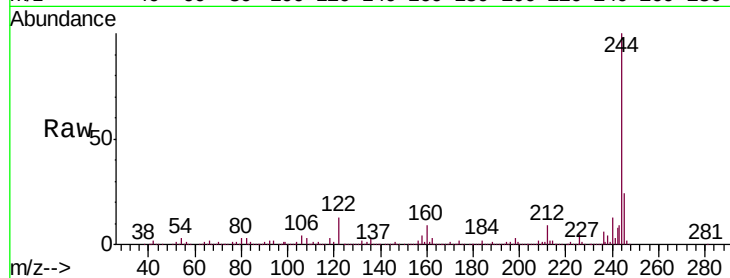
Tgt Ion:184 Resp: 26911

Ion Ratio Lower Upper

184 100

185 16.2 13.4 20.0

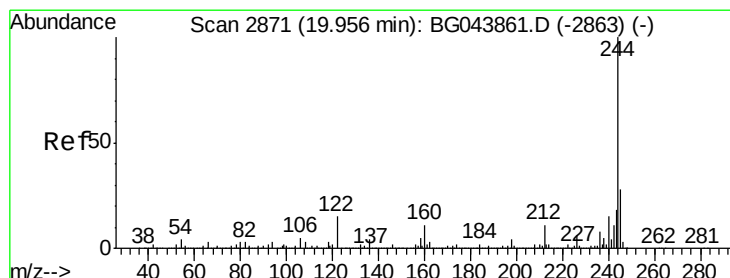
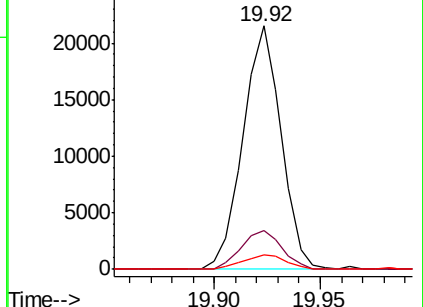
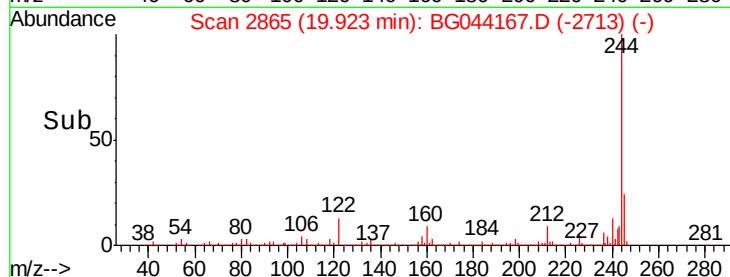
183 5.9 10.6 15.8#



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: 93.342 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044167.D

Acq: 23 Jan 2020 15:00

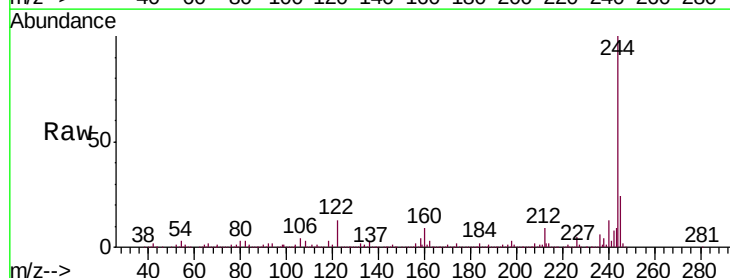
Tgt Ion:244 Resp: 1602703

Ion Ratio Lower Upper

244 100

212 8.9 8.6 13.0

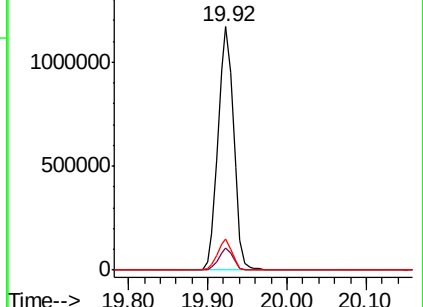
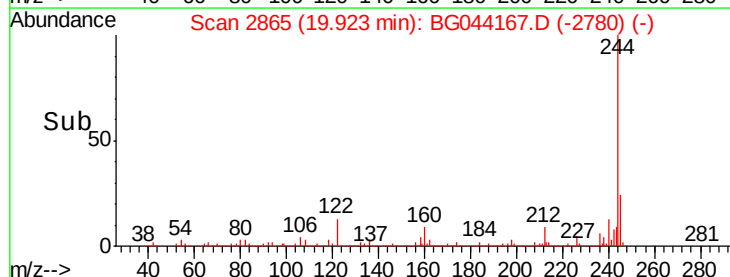
122 12.5 11.9 17.9

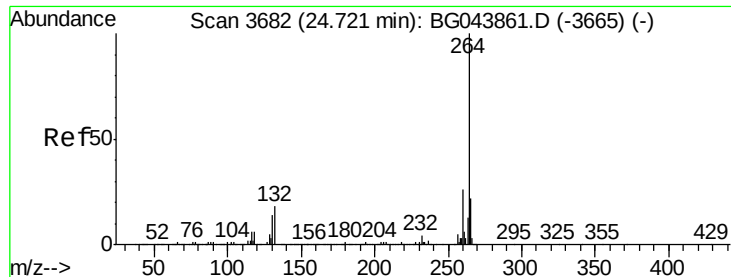


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044167.D
Acq: 23 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	21.7	17.4	26.2

