

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
 Data File : BG041536.D
 Acq On : 29 Jun 2019 7:12
 Operator : HP/JU
 Sample : K3555-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

Quant Time: Jul 01 00:42:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

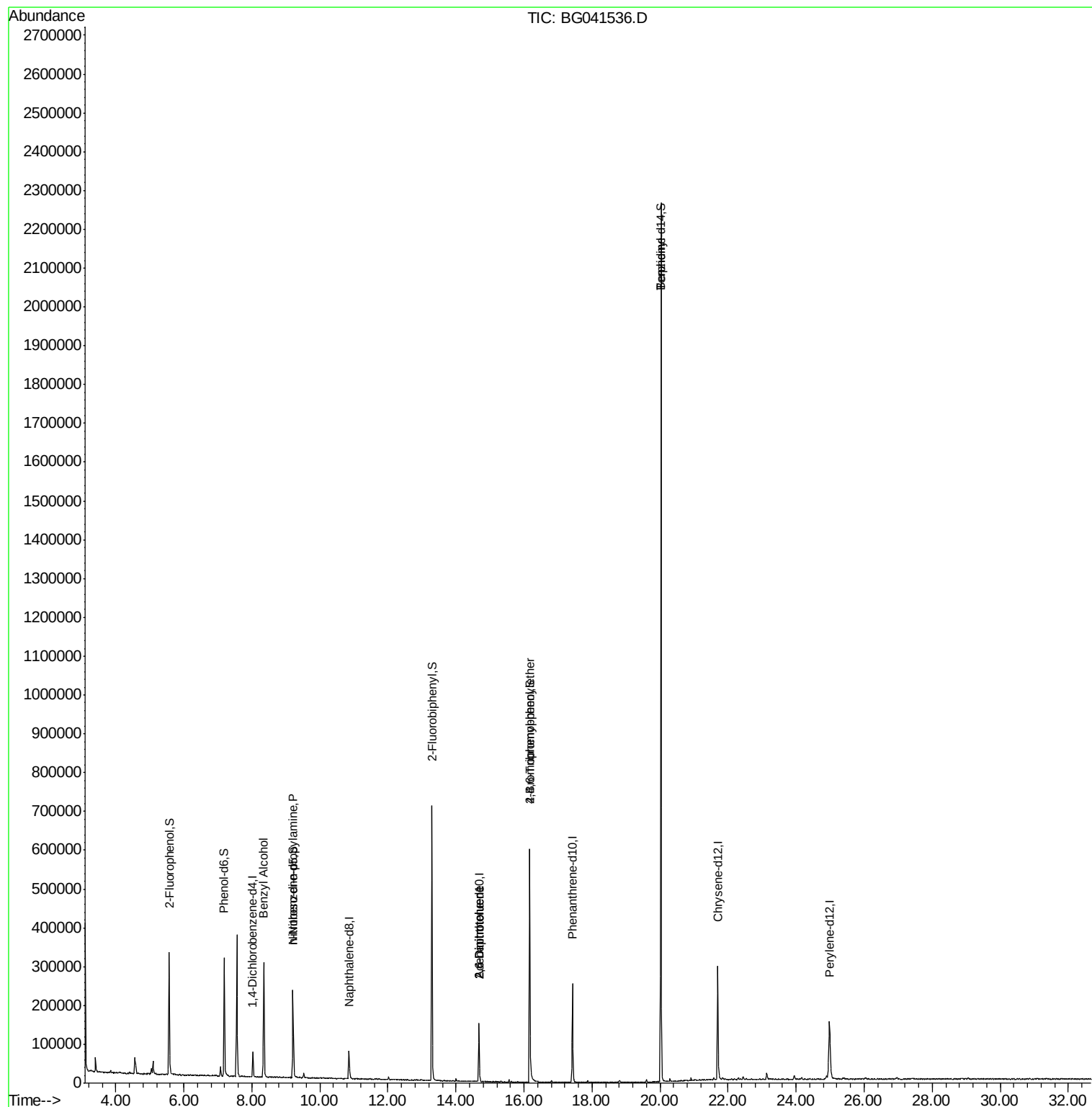
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	17655	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	66394	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	54077	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	176555	20.00	ng	0.00
76) Chrysene-d12	21.69	240	197920	20.00	ng	0.00
87) Perylene-d12	24.98	264	203554	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	125456	126.69	ng	0.00
7) Phenol-d6	7.19	99	161055	115.53	ng	0.00
23) Nitrobenzene-d5	9.21	82	146952	92.31	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	133708	144.81	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	373216	88.56	ng	0.00
79) Terphenyl-d14	20.02	244	1043658	112.06	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	2596	2.338	ng	# 56
19) n-Nitroso-di-n-propylamine	9.21	70	21589	20.762	ng	# 73
51) 2,6-Dinitrotoluene	14.68	165	6921	6.627	ng	# 18
57) 2,4-Dinitrotoluene	14.68	165	6921	4.568	ng	# 23
67) 4-Bromophenyl-phenylether	16.17	248	9292	3.851	ng	# 1
77) Benzidine	20.02	184	17775	4.048	ng	# 97

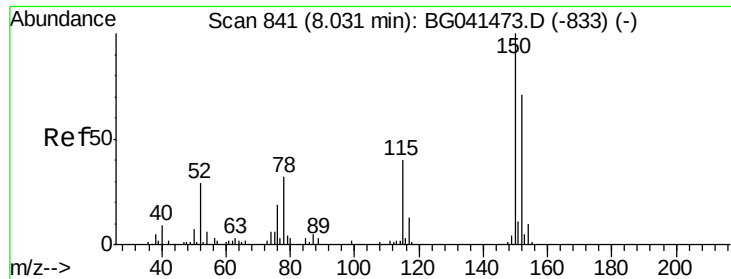
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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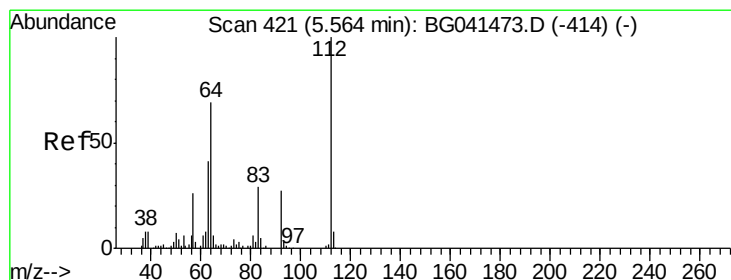
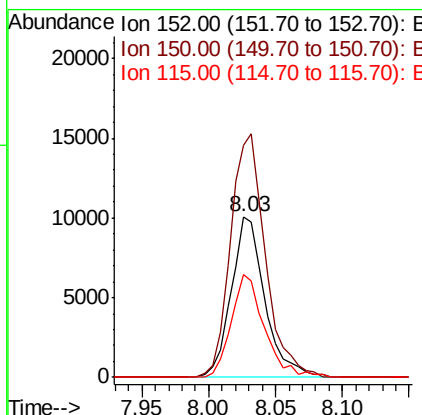
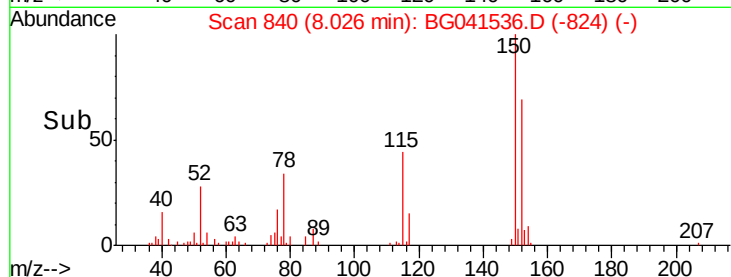
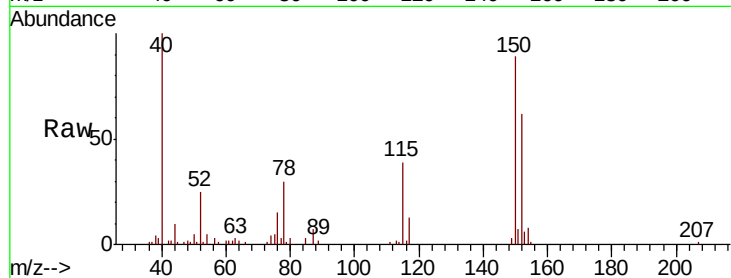


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

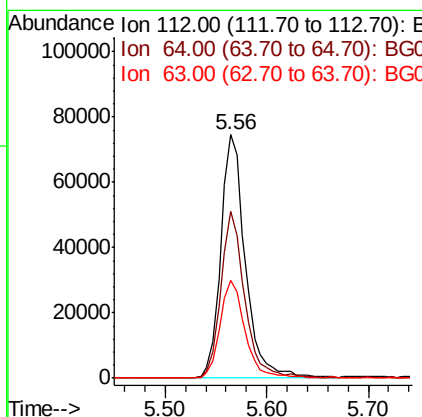
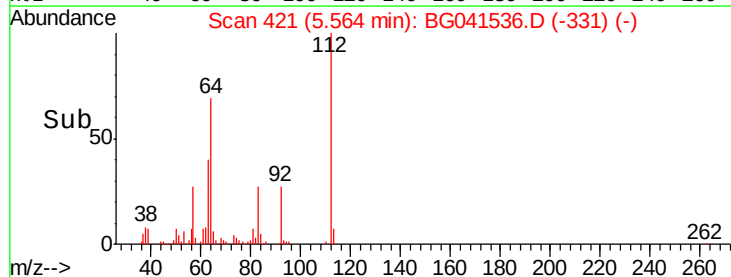
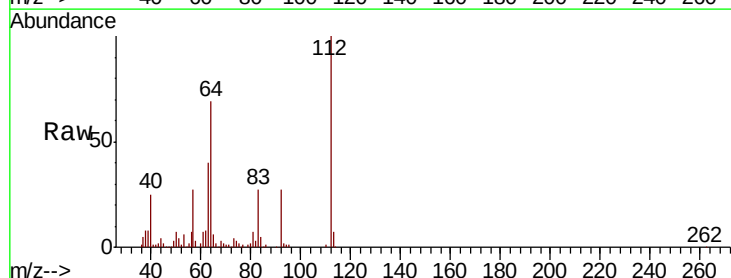
Tgt Ion:152 Resp: 17655
Ion Ratio Lower Upper
152 100
150 144.2 112.4 168.6
115 63.7 44.6 66.8

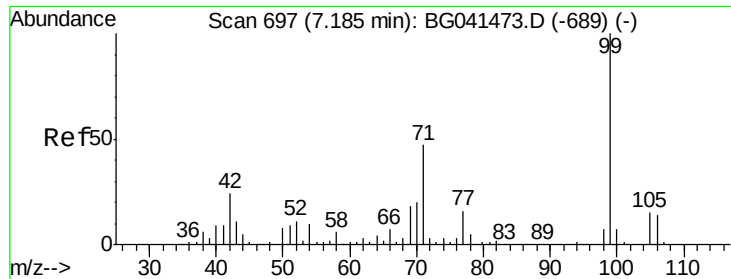


#5

2-Fluorophenol
Concen: 126.689 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

Tgt Ion:112 Resp: 125456
Ion Ratio Lower Upper
112 100
64 68.7 55.1 82.7
63 40.0 32.4 48.6





#7

Phenol-d6

Concen: 115.531 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

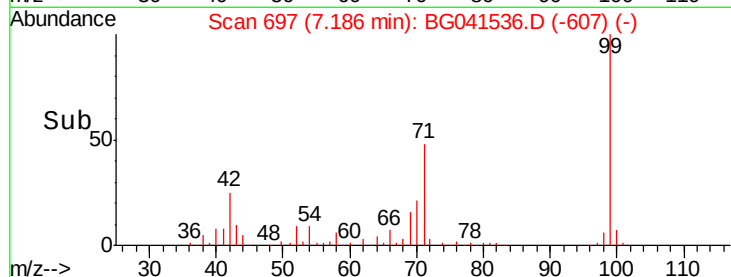
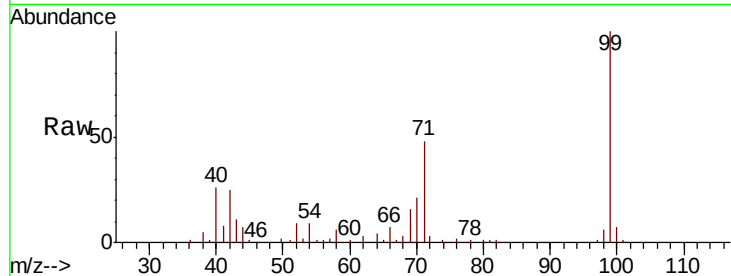
Tgt Ion: 99 Resp: 161055

Ion Ratio Lower Upper

99 100

42 24.6 19.0 28.6

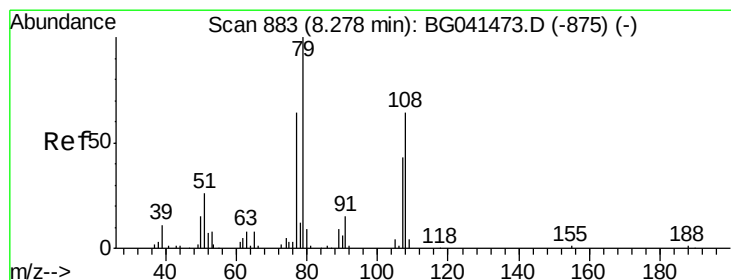
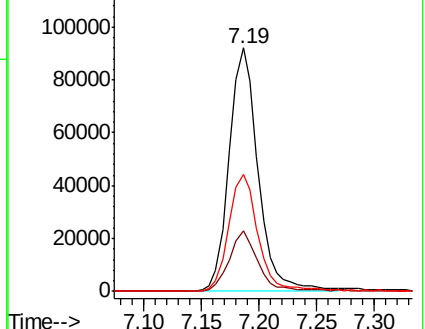
71 48.3 37.4 56.2



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: 2.338 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

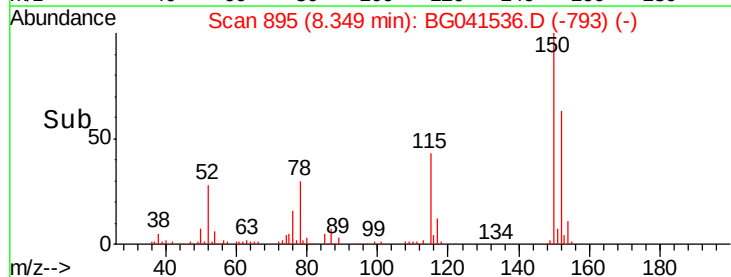
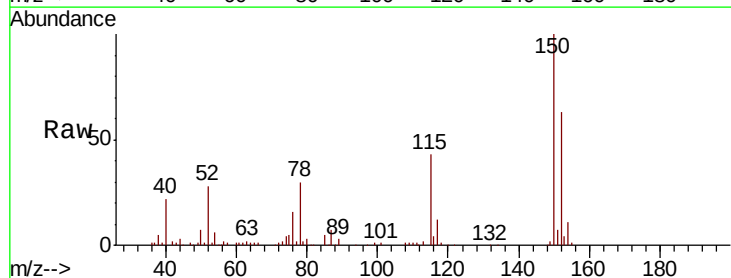
Tgt Ion: 79 Resp: 2596

Ion Ratio Lower Upper

79 100

108 33.4 51.4 77.0#

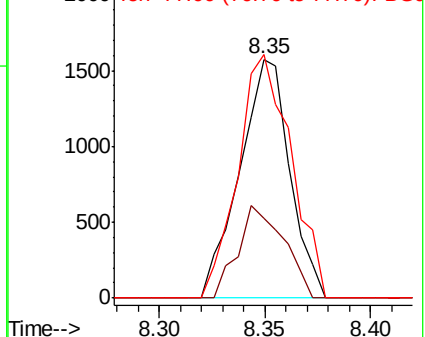
77 101.8 50.8 76.2#

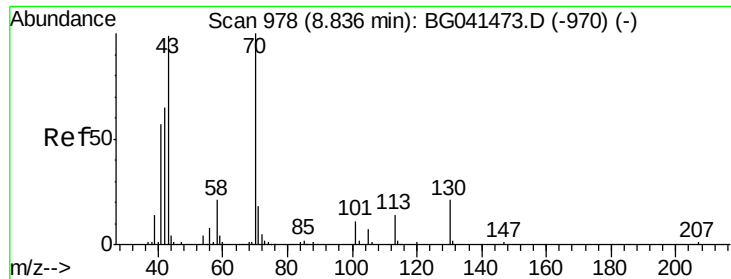


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

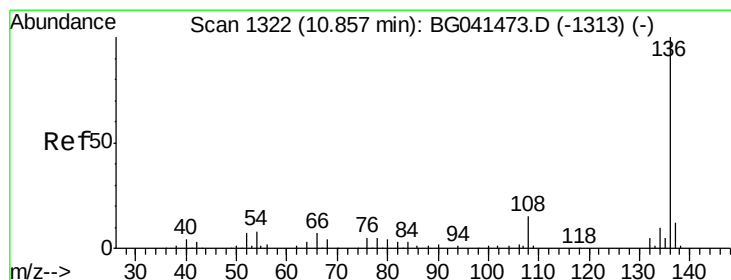
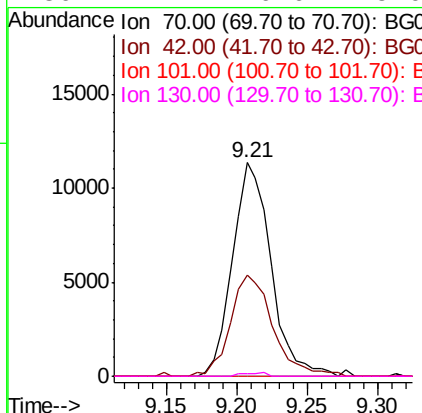
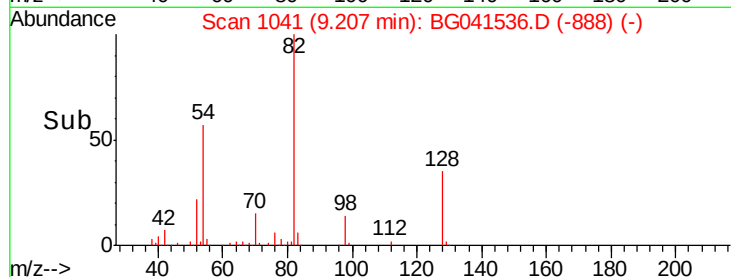
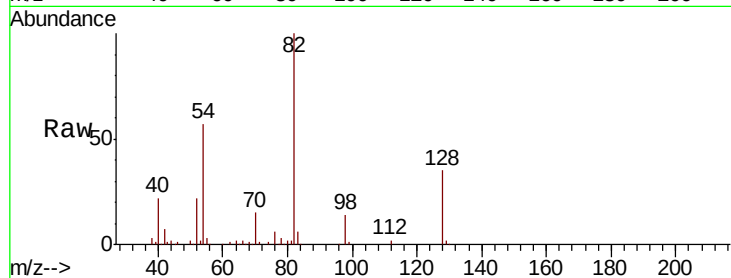




#19
n-Nitroso-di-n-propylamine
Concen: 20.762 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

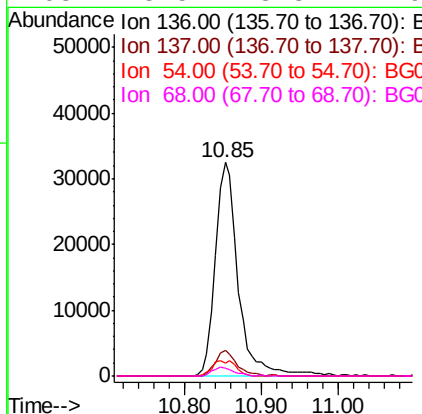
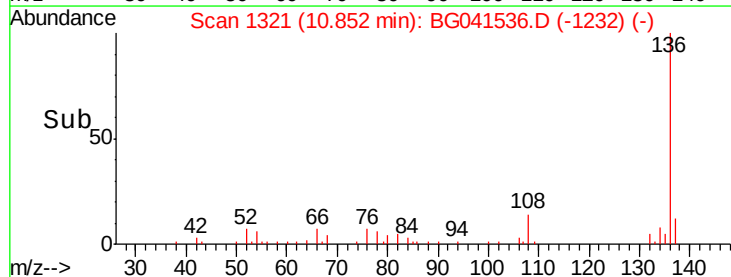
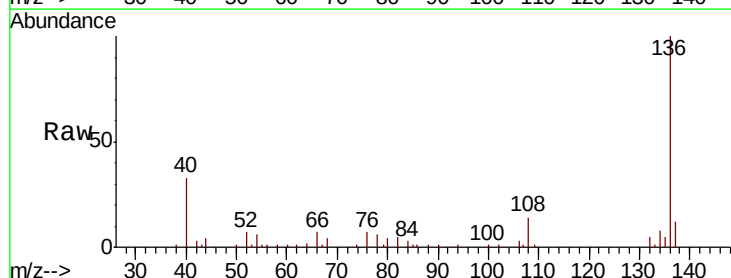
Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

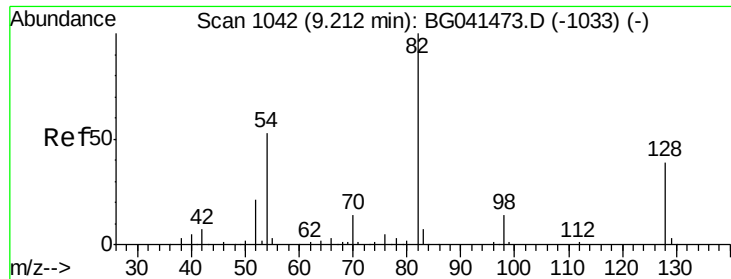
Tgt Ion: 70 Resp: 21589
Ion Ratio Lower Upper
70 100
42 47.6 52.6 78.8#
101 0.0 8.6 13.0#
130 1.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

Tgt Ion: 136 Resp: 66394
Ion Ratio Lower Upper
136 100
137 11.8 9.3 13.9
54 6.0 7.1 10.7#
68 3.5 3.3 4.9

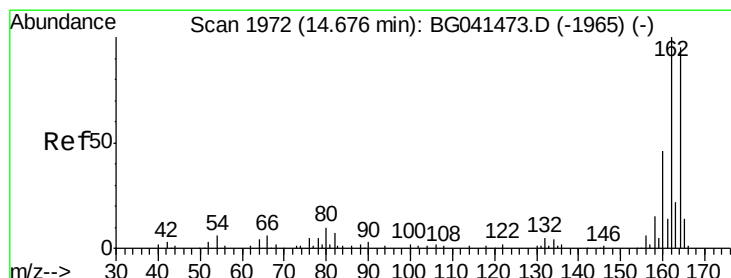
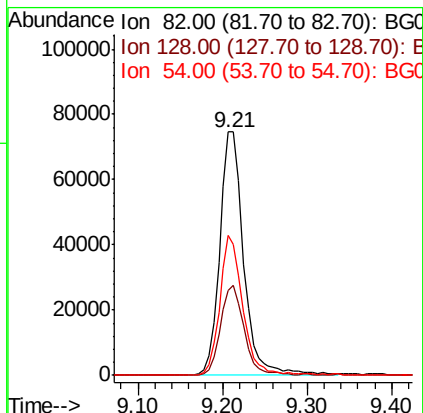
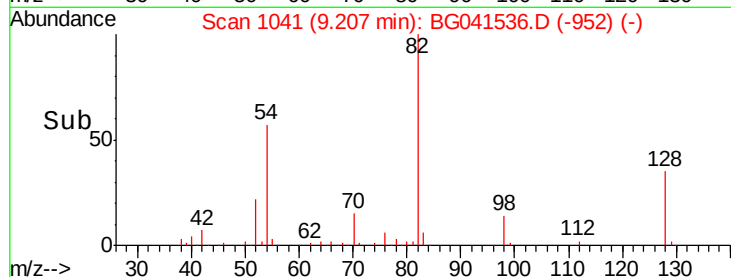
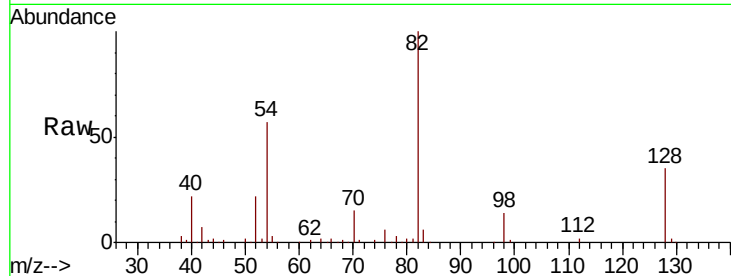




#23
 Nitrobenzene-d5
 Concen: 92.312 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041536.D
 Acq: 29 Jun 2019 7:12

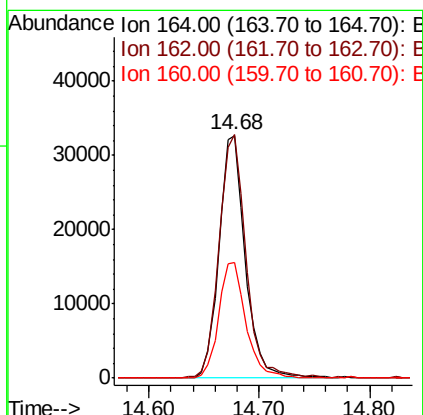
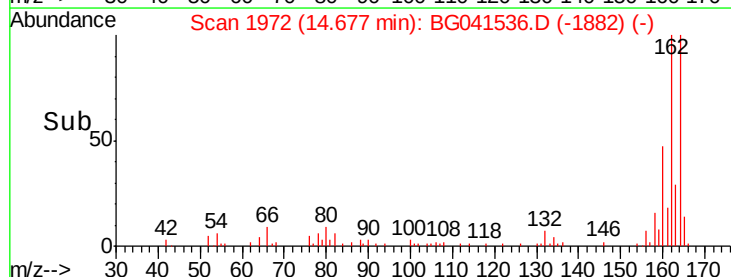
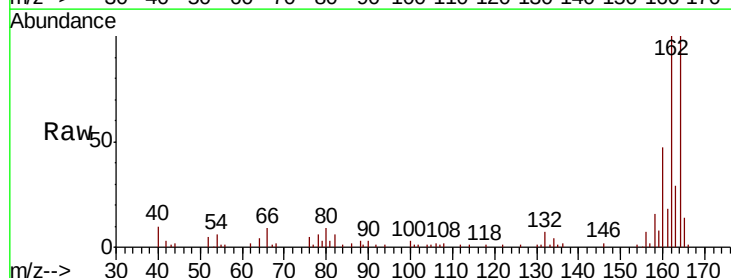
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

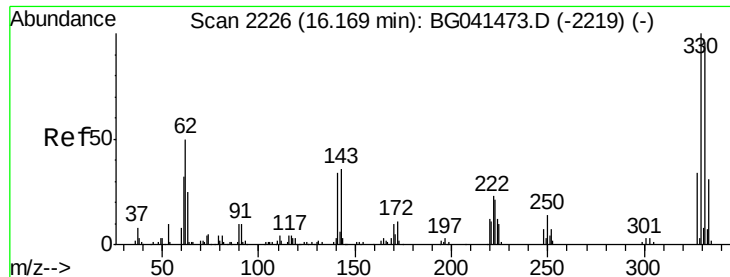
Tgt Ion: 82 Resp: 146952
 Ion Ratio Lower Upper
 82 100
 128 35.0 30.9 46.3
 54 57.4 42.2 63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: BG041536.D
 Acq: 29 Jun 2019 7:12

Tgt Ion: 164 Resp: 54077
 Ion Ratio Lower Upper
 164 100
 162 100.2 84.4 126.6
 160 47.6 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 144.811 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

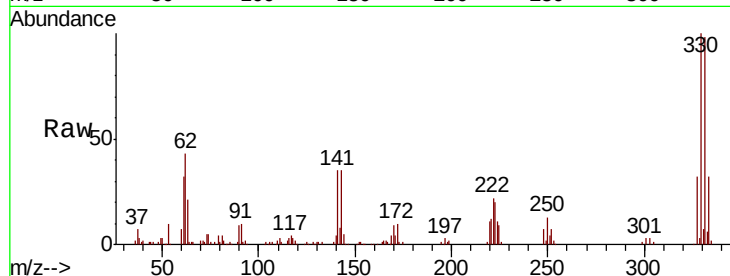
Tgt Ion:330 Resp: 133708

Ion Ratio Lower Upper

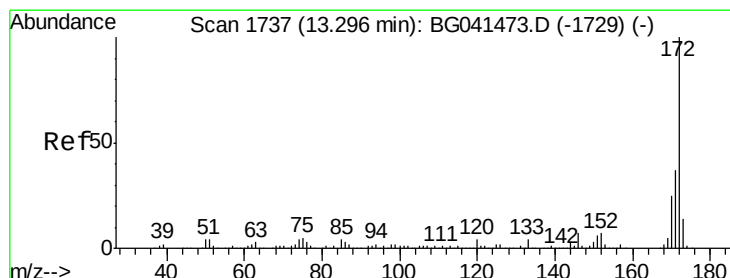
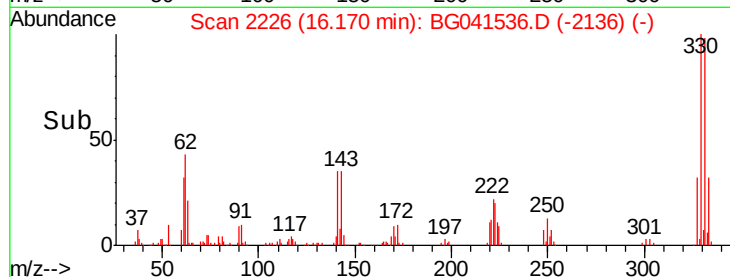
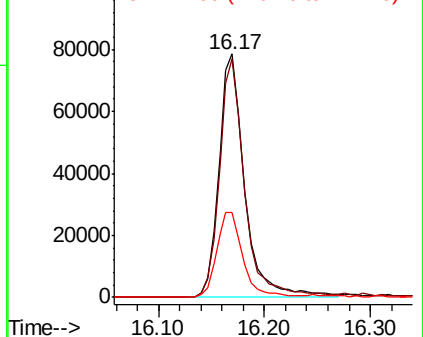
330 100

332 95.9 75.5 113.3

141 35.5 27.8 41.6



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: 88.565 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

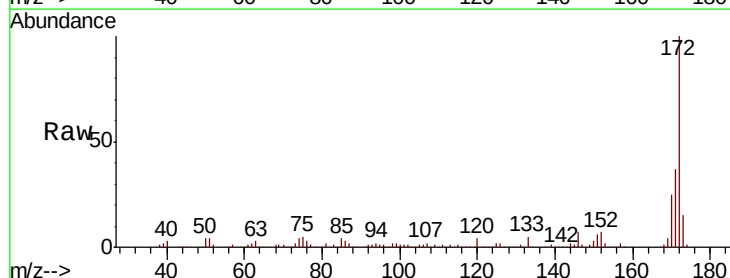
Tgt Ion:172 Resp: 373216

Ion Ratio Lower Upper

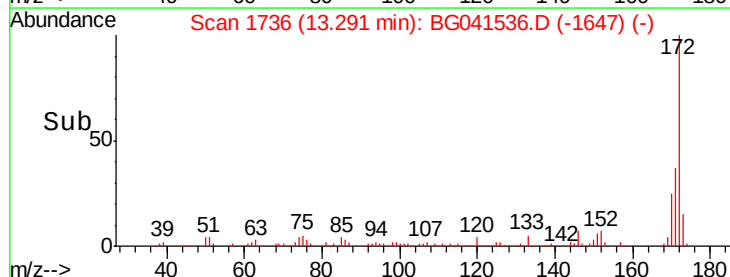
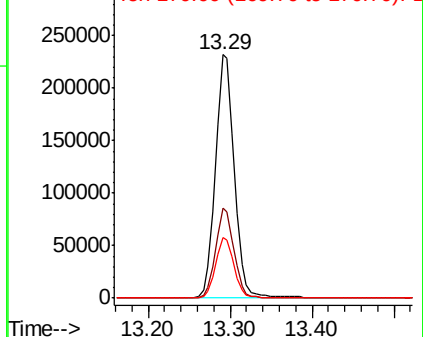
172 100

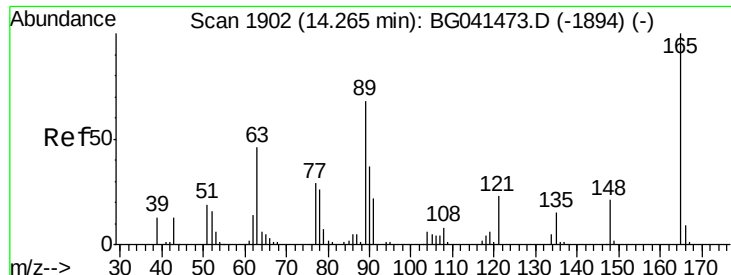
171 37.1 29.6 44.4

170 24.7 20.0 30.0



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

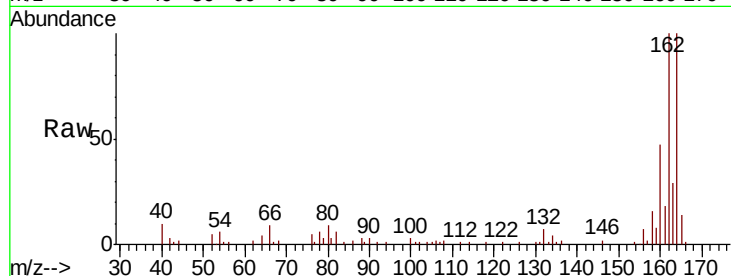




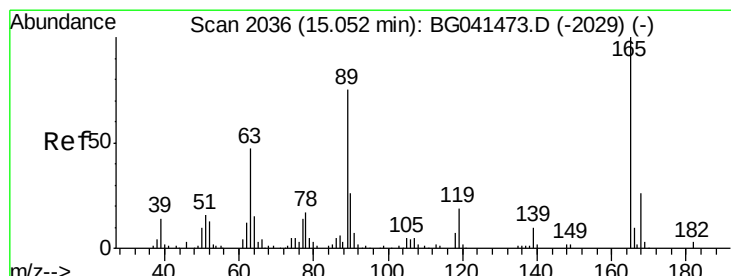
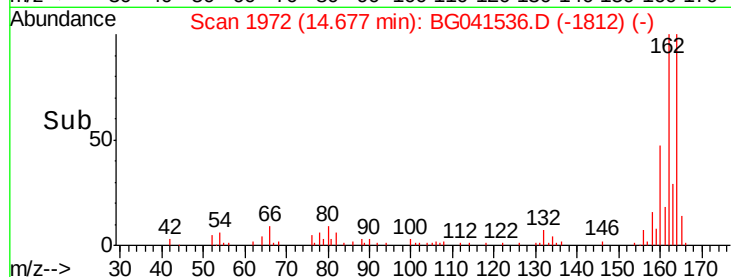
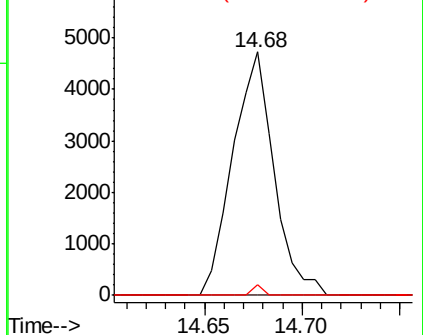
#51
 2,6-Dinitrotoluene
 Concen: 6.627 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041536.D
 Acq: 29 Jun 2019 7:12

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-13

Tgt Ion:165 Resp: 6921
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.4 84.6#
 89 4.3 54.6 81.8#

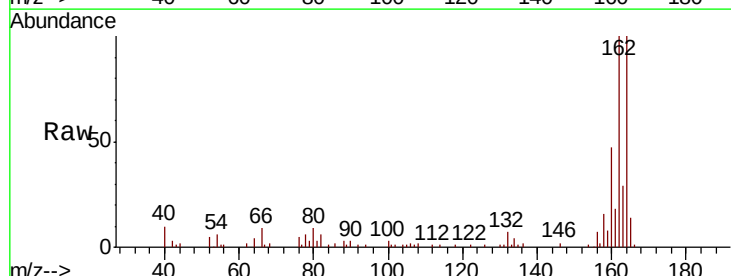


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

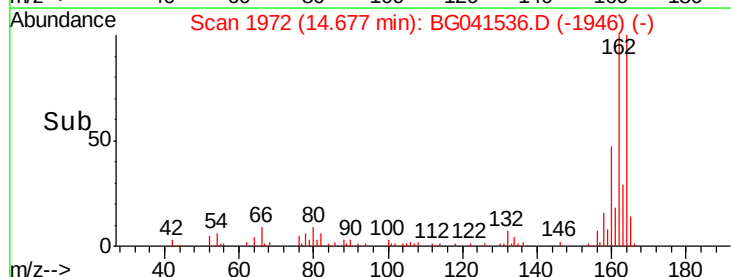
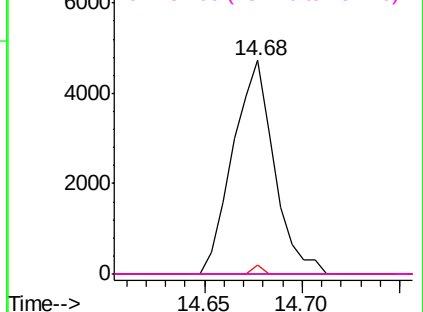


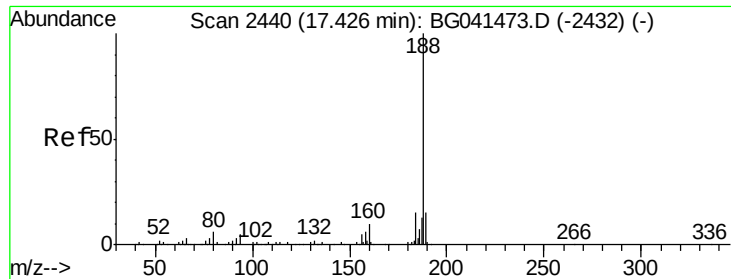
#57
 2,4-Dinitrotoluene
 Concen: 4.568 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041536.D
 Acq: 29 Jun 2019 7:12

Tgt Ion:165 Resp: 6921
 Ion Ratio Lower Upper
 165 100
 63 0.0 38.8 58.2#
 89 4.3 60.1 90.1#
 182 0.0 2.2 3.2#



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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

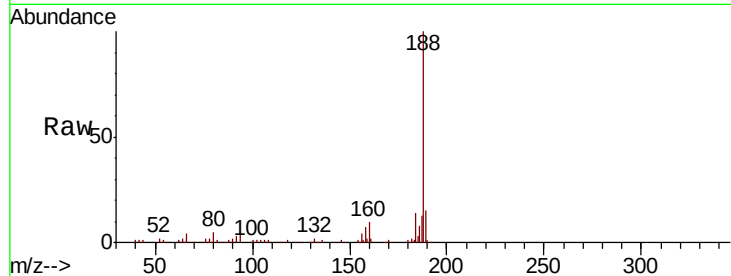
Tgt Ion:188 Resp: 176555

Ion Ratio Lower Upper

188 100

94 4.4 3.8 5.8

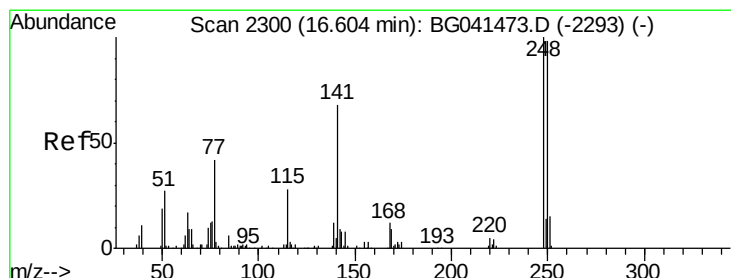
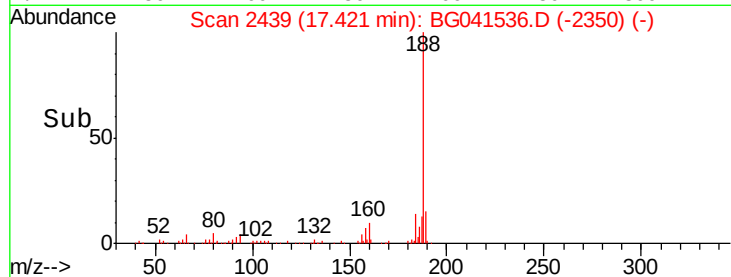
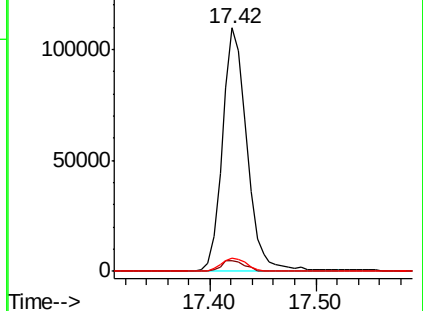
80 5.5 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.851 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.43 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

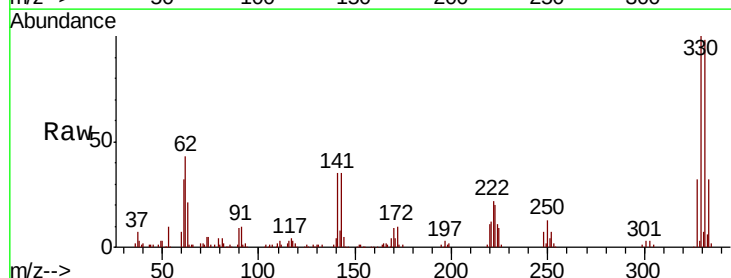
Tgt Ion:248 Resp: 9292

Ion Ratio Lower Upper

248 100

250 190.2 78.1 117.1#

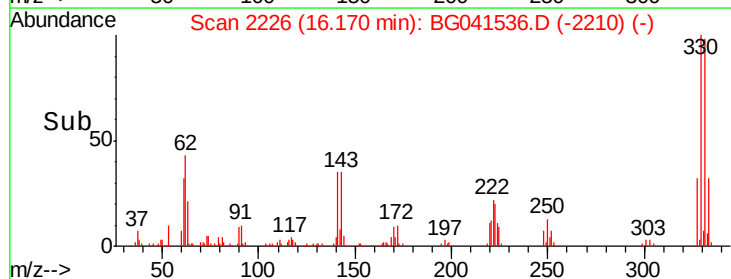
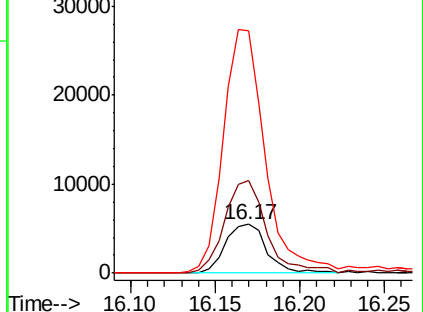
141 497.3 54.1 81.1#

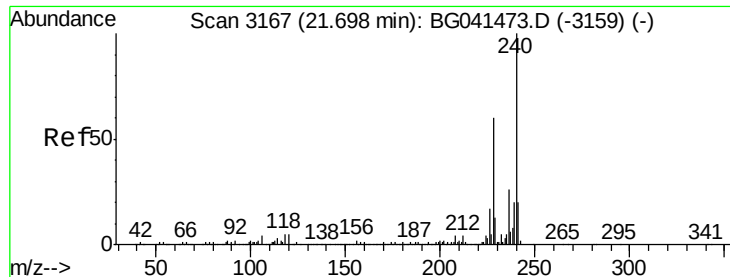


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

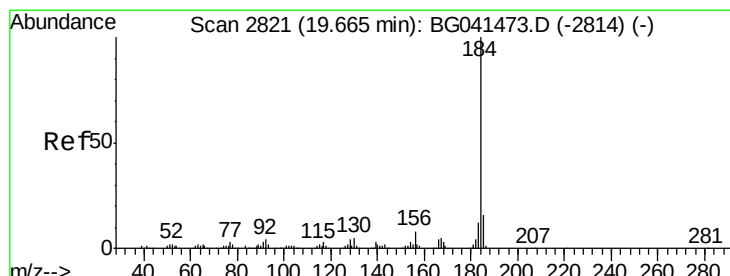
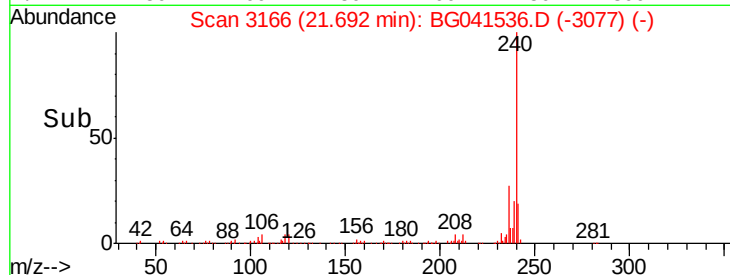
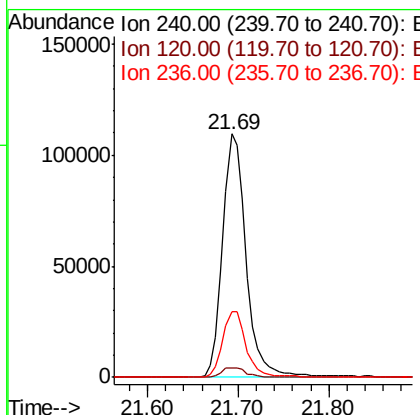
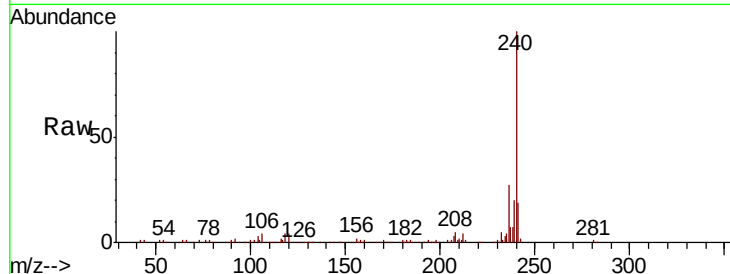




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

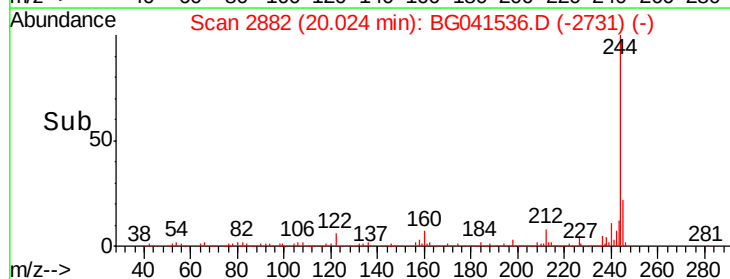
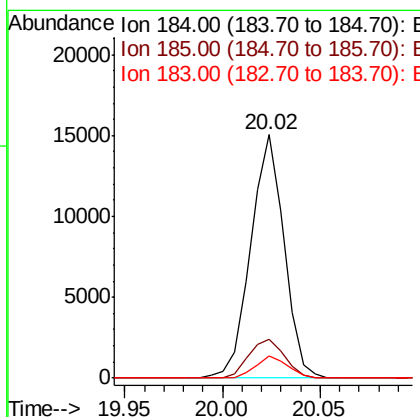
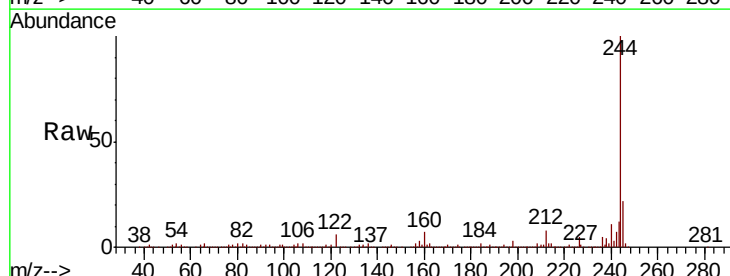
Instrument :
BNA_G
ClientSampleId :
SAMPLE-13

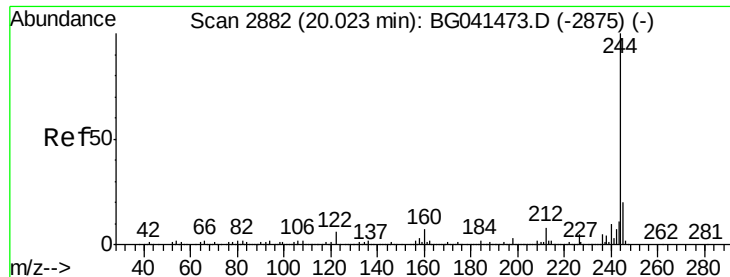
Tgt Ion:240 Resp: 197920
Ion Ratio Lower Upper
240 100
120 4.1 3.7 5.5
236 26.8 20.8 31.2



#77
Benzidine
Concen: 4.048 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG041536.D
Acq: 29 Jun 2019 7:12

Tgt Ion:184 Resp: 17775
Ion Ratio Lower Upper
184 100
185 16.2 12.7 19.1
183 9.3 9.4 14.2#





#79

Terphenyl-d14

Concen: 112.058 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

Instrument :

BNA_G

ClientSampleId :

SAMPLE-13

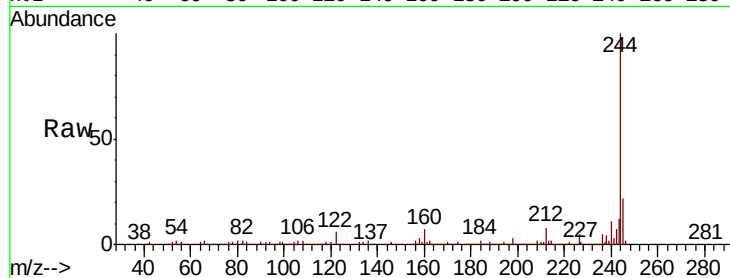
Tgt Ion:244 Resp: 1043658

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.4

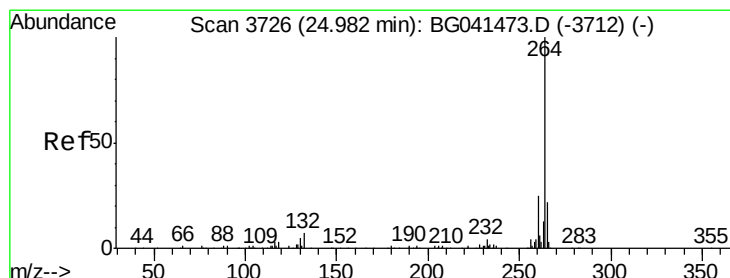
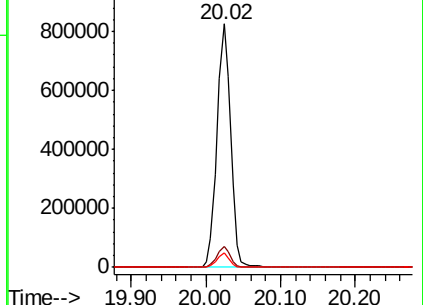
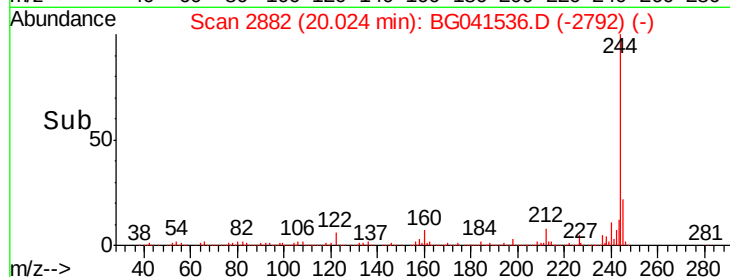
122 6.0 4.8 7.2



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. 0.00 min

Lab File: BG041536.D

Acq: 29 Jun 2019 7:12

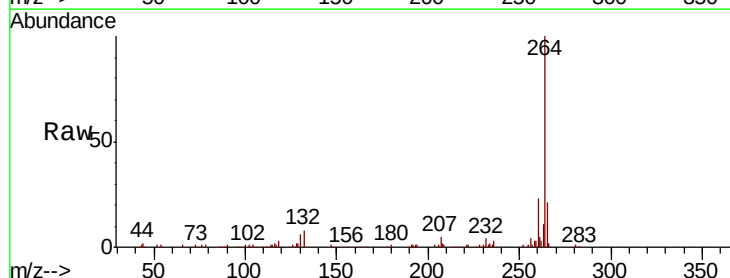
Tgt Ion:264 Resp: 203554

Ion Ratio Lower Upper

264 100

260 23.4 19.7 29.5

265 21.4 17.4 26.2



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

