

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042887.D
 Acq On : 18 Sep 2019 9:56
 Operator : HP/JU
 Sample : PB123079BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:10:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

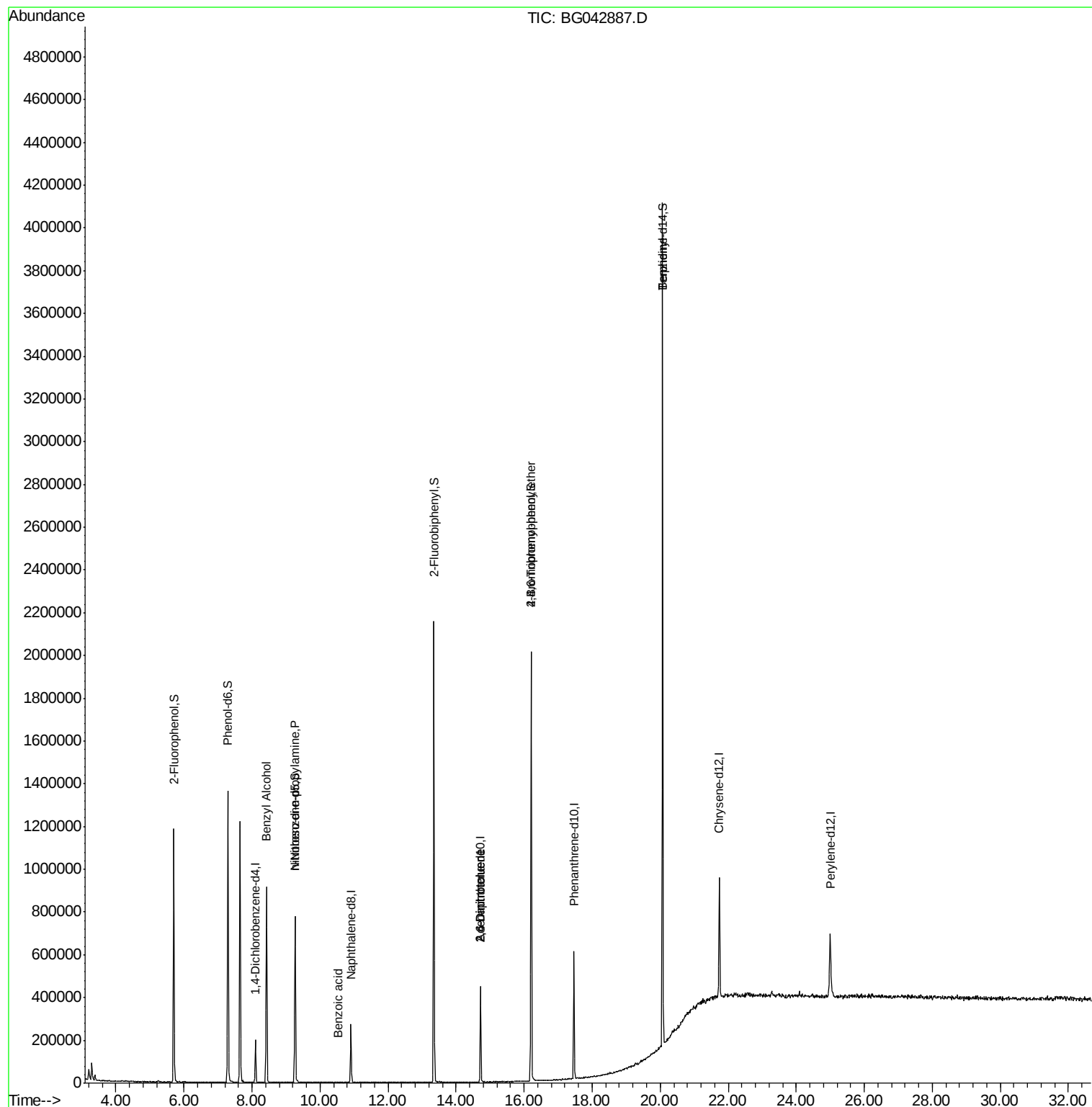
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	55548	20.00	ng	-0.03
21) Naphthalene-d8	10.91	136	219934	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	165352	20.00	ng	-0.03
64) Phenanthrene-d10	17.47	188	387300	20.00	ng	-0.02
76) Chrysene-d12	21.74	240	362284	20.00	ng	-0.03
87) Perylene-d12	25.00	264	372263	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	464294	145.32	ng	0.02
7) Phenol-d6	7.30	99	710590	154.95	ng	0.03
23) Nitrobenzene-d5	9.27	82	455071	107.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	384403	174.74	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1133438	108.51	ng	-0.03
79) Terphenyl-d14	20.07	244	1926421	117.85	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.43	79	7946	2.019	ng	# 42
19) n-Nitroso-di-n-propylamine	9.27	70	63801	18.880	ng	# 73
32) Benzoic acid	10.52	122	59	5.985	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	22217	8.741	ng	# 21
57) 2,4-Dinitrotoluene	14.72	165	22217	6.558	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	24913	5.314	ng	# 1
77) Benzidine	20.07	184	36570	3.613	ng	# 93

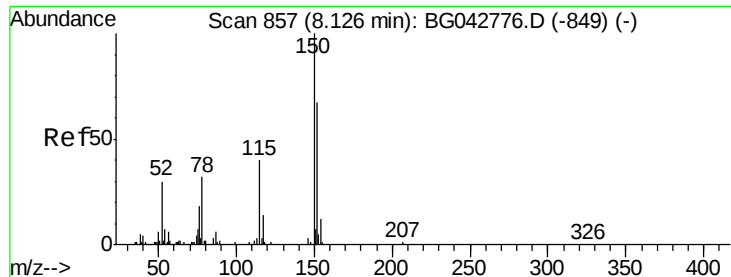
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



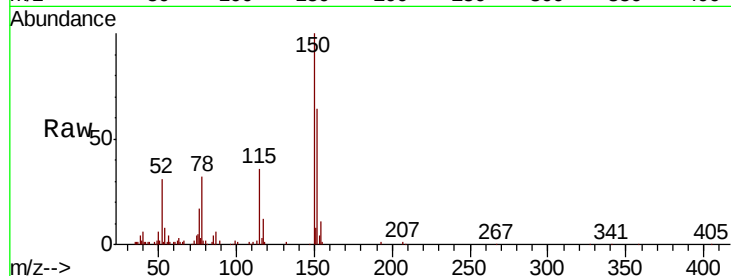


#1

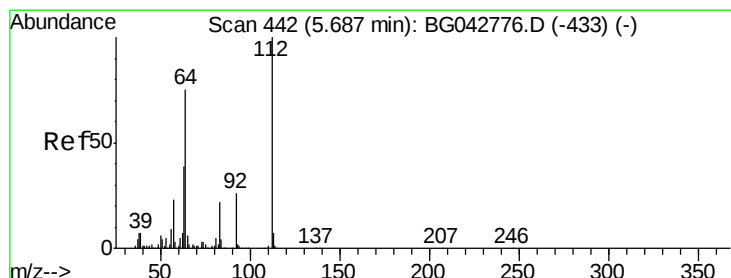
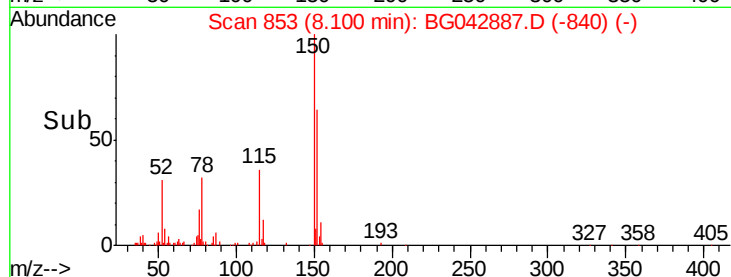
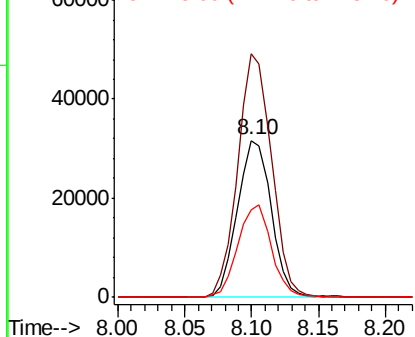
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042887.D
Acq: 18 Sep 2019 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55548
Ion Ratio Lower Upper
152 100
150 155.3 118.9 178.3
115 55.9 47.4 71.2



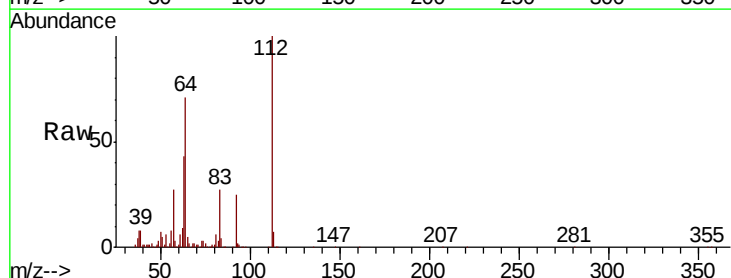
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



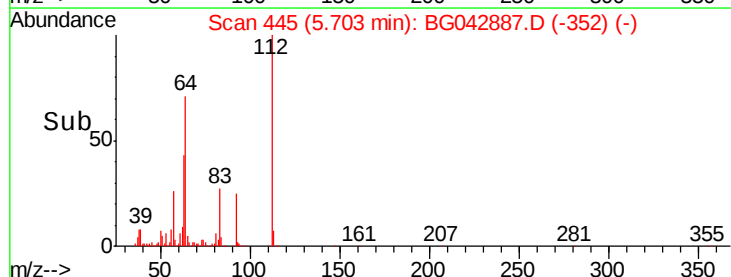
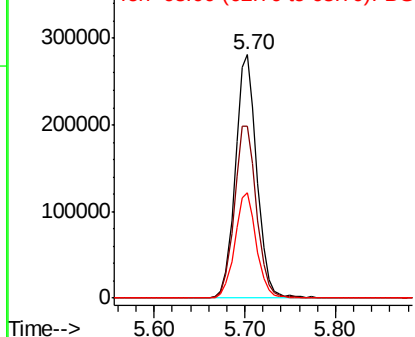
#5

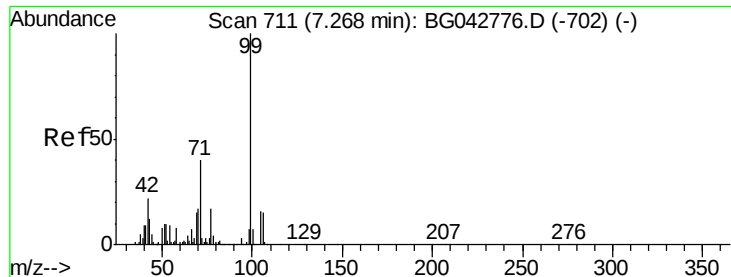
2-Fluorophenol
Concen: 145.315 ng
RT: 5.70 min Scan# 445
Delta R.T. 0.02 min
Lab File: BG042887.D
Acq: 18 Sep 2019 9:56

Tgt Ion:112 Resp: 464294
Ion Ratio Lower Upper
112 100
64 70.5 60.2 90.2
63 43.3 31.2 46.8



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: 154.947 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

Instrument :

BNA_G

ClientSampleId :

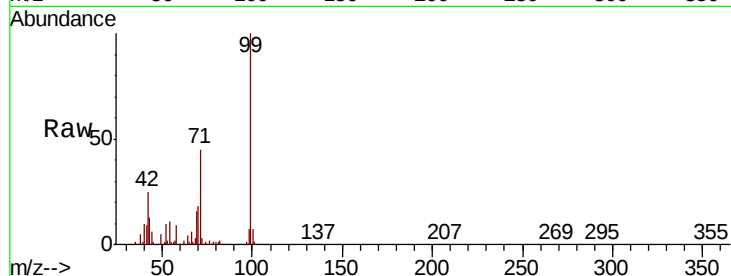
Tot Ion: 99 Resp: 710590

Ion Ratio Lower Upper

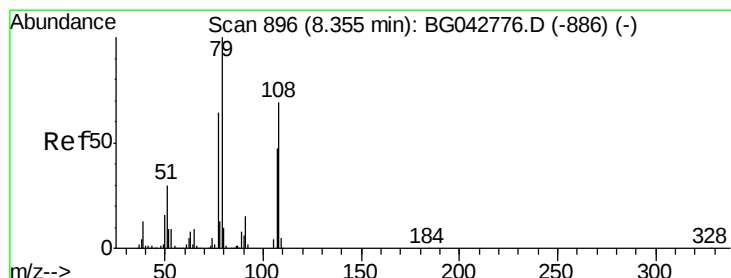
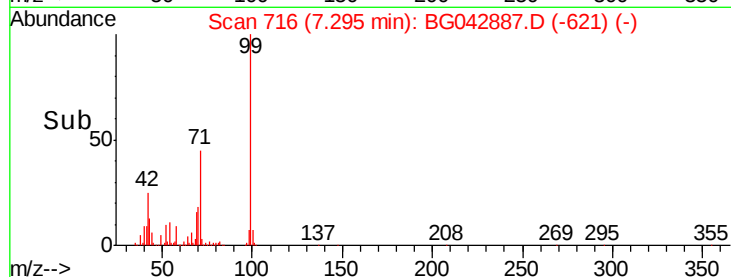
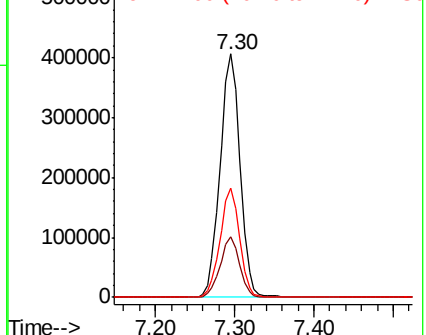
99 100

42 24.9 17.5 26.3

71 45.0 32.0 48.0



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: 2.019 ng

RT: 8.43 min Scan# 909

Delta R.T. 0.07 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

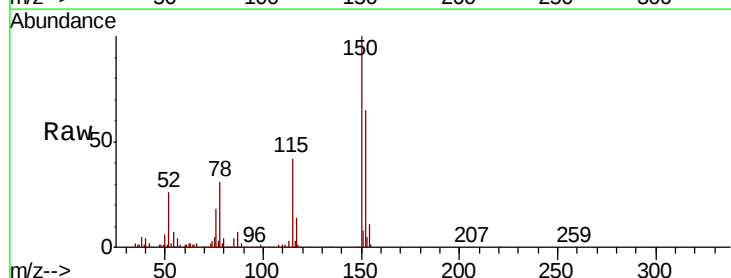
Tgt Ion: 79 Resp: 7946

Ion Ratio Lower Upper

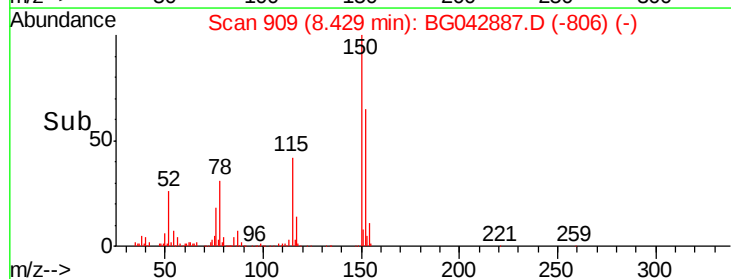
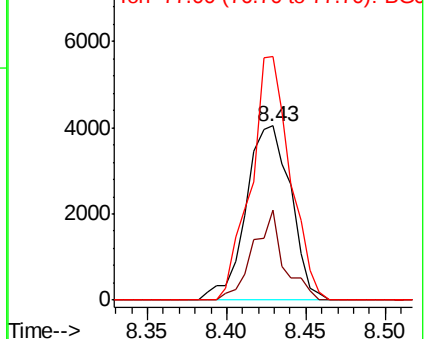
79 100

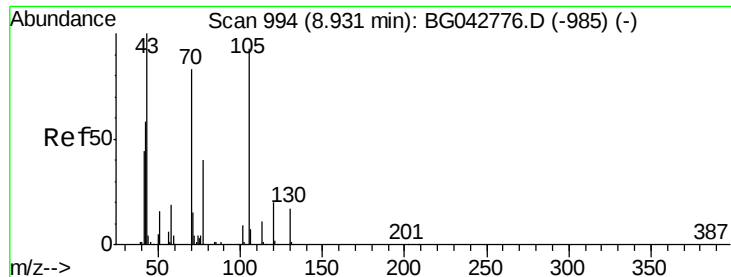
108 52.0 54.9 82.3#

77 139.9 51.0 76.6#



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

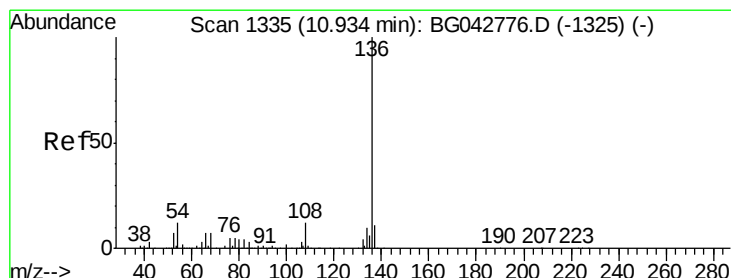
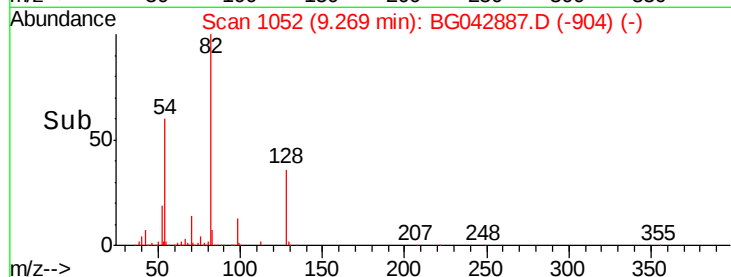
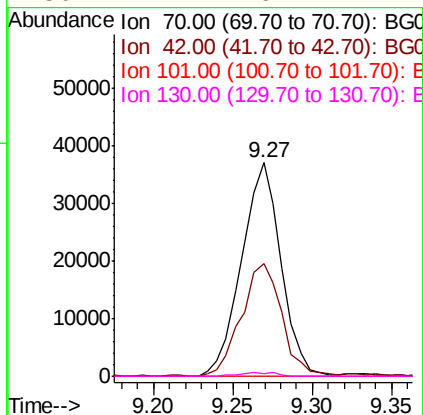
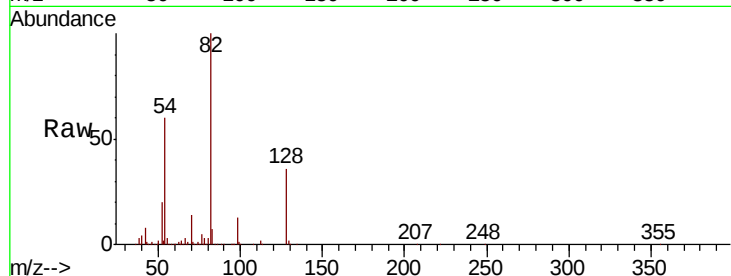




#19
n-Nitroso-di-n-propylamine
Concen: 18.880 ng
RT: 9.27 min Scan# 1052
Delta R.T. 0.34 min
Lab File: BG042887.D
Acq: 18 Sep 2019 9:56

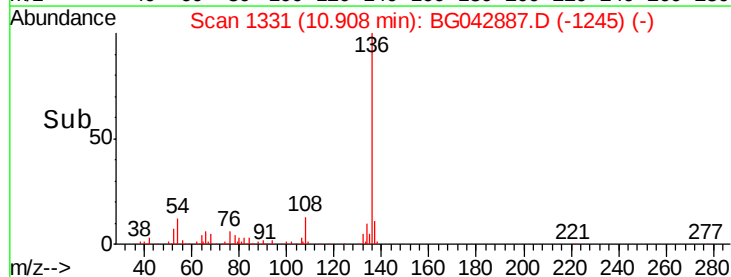
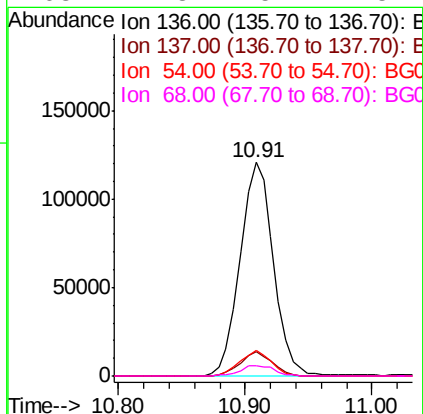
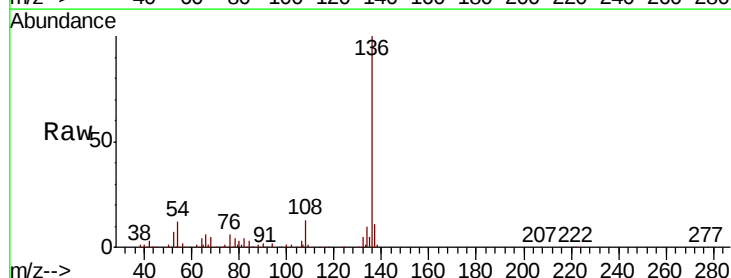
Instrument :
BNA_G
ClientSampleId :

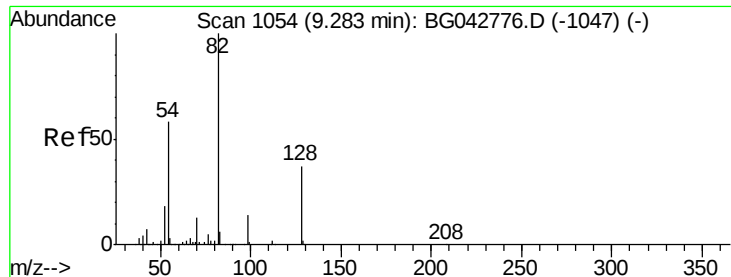
Tot Ion: 70 Resp: 63801
Ion Ratio Lower Upper
70 100
42 52.5 57.0 85.6#
101 0.0 8.4 12.6#
130 1.2 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BG042887.D
Acq: 18 Sep 2019 9:56

Tgt Ion: 136 Resp: 219934
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 11.9 9.4 14.0
68 4.8 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 107.724 ng

RT: 9.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

Instrument :

BNA_G

ClientSampleId :

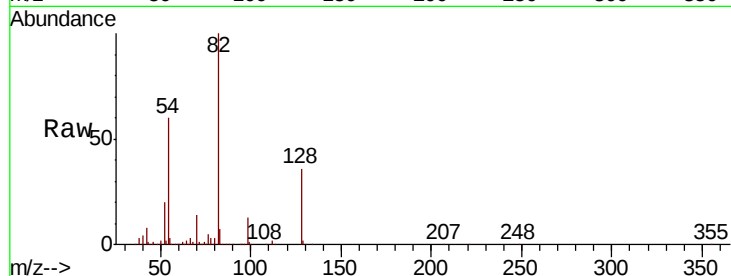
Tot Ion: 82 Resp: 455071

Ion Ratio Lower Upper

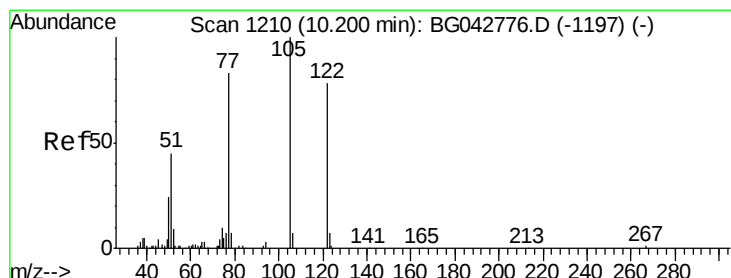
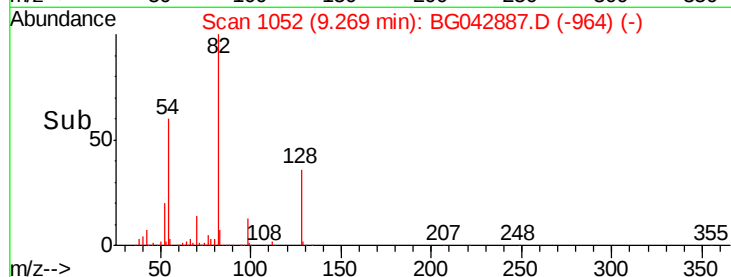
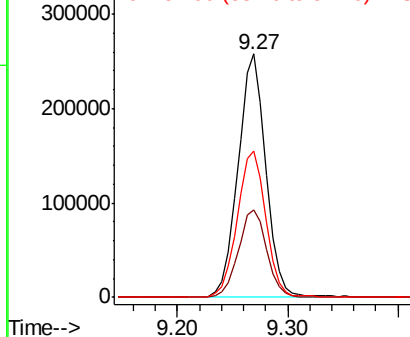
82 100

128 35.9 29.8 44.8

54 60.3 46.1 69.1



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



#32

Benzoic acid

Concen: 5.985 ng

RT: 10.52 min Scan# 1265

Delta R.T. 0.32 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

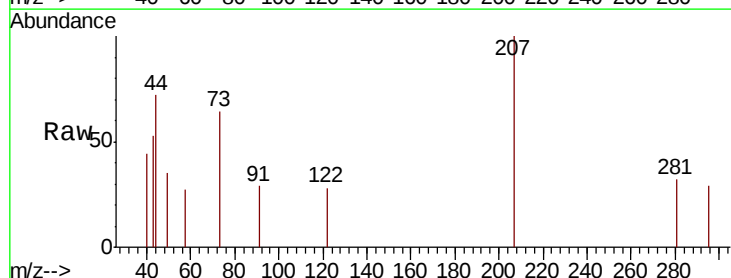
Tgt Ion: 122 Resp: 59

Ion Ratio Lower Upper

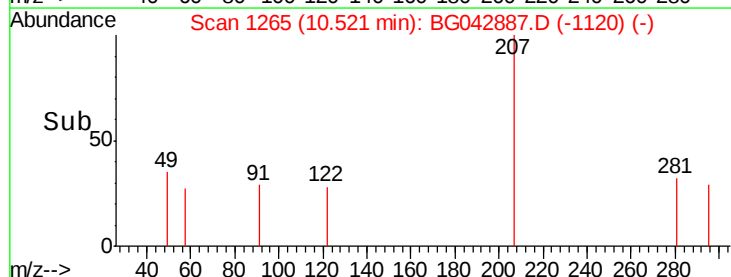
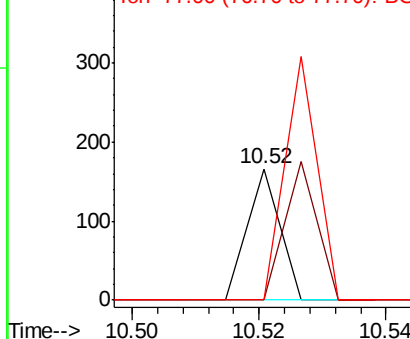
122 100

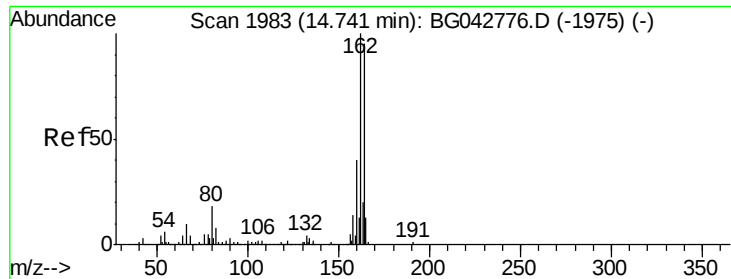
105 0.0 104.0 144.0#

77 0.0 84.2 124.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.03 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

Instrument :

BNA_G

ClientSampled :

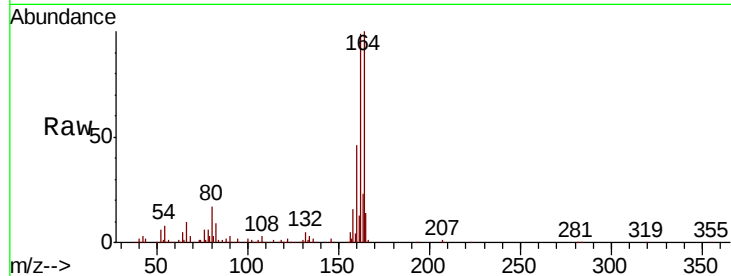
Tot Ion:164 Resp: 165352

Ion Ratio Lower Upper

164 100

162 98.9 84.6 126.8

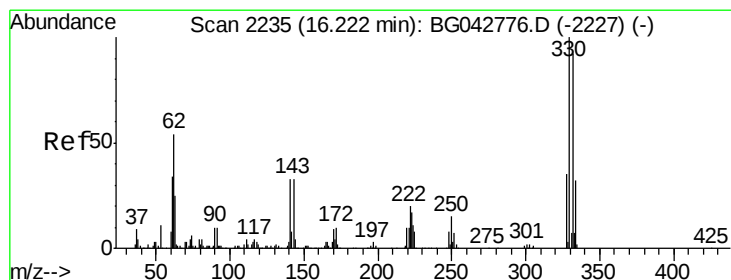
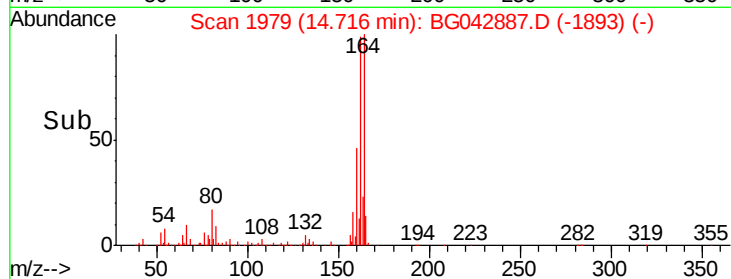
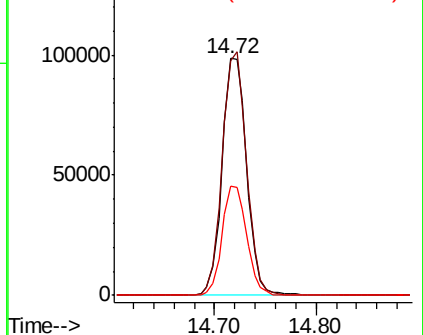
160 45.9 34.2 51.2



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: 174.738 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

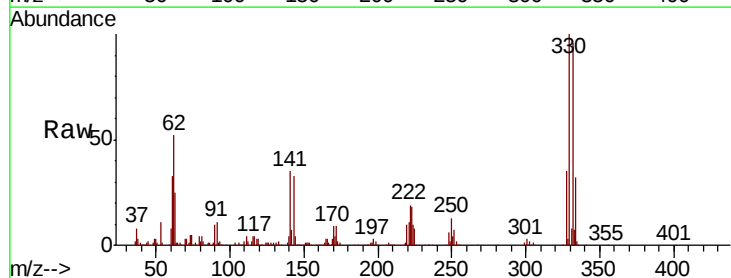
Tgt Ion:330 Resp: 384403

Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

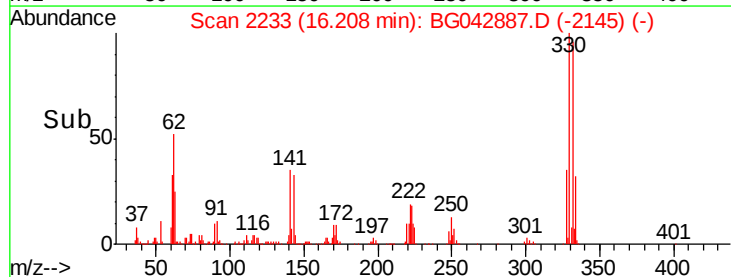
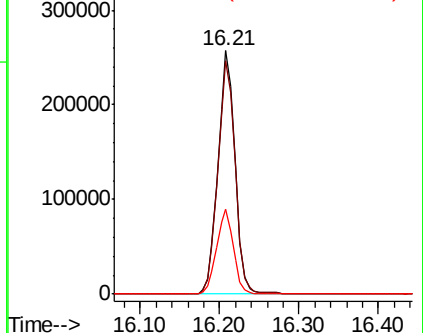
141 34.4 27.0 40.6

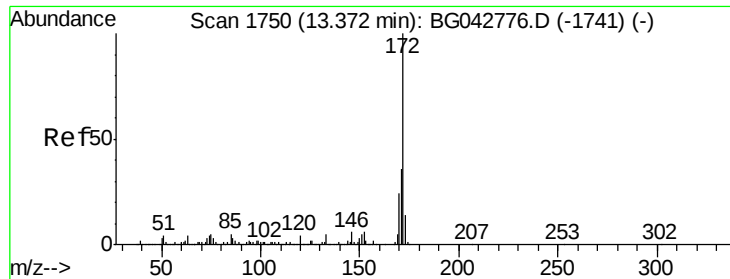


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



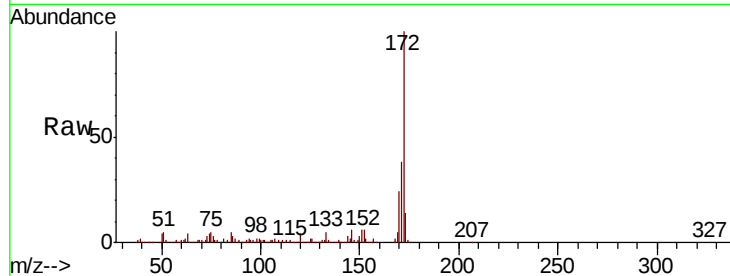


#45
 2-Fluorobiphenyl
 Concen: 108.505 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.03 min
 Lab File: BG042887.D
 Acq: 18 Sep 2019 9:56

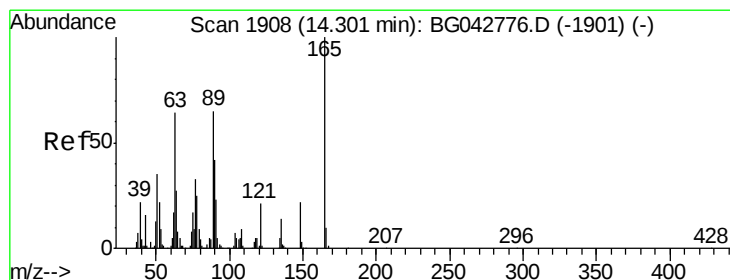
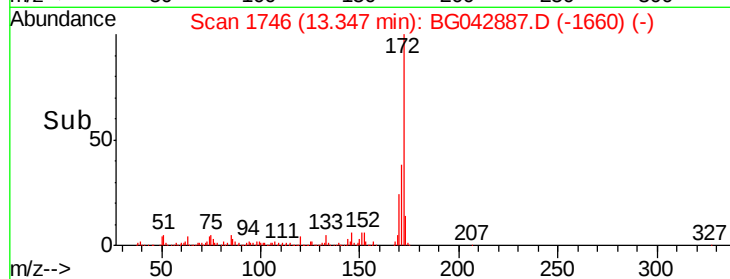
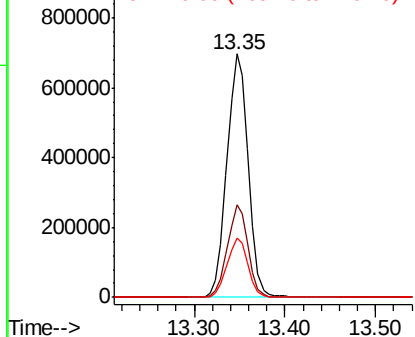
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1133438

Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.9	43.3
170	24.4	19.1	28.7



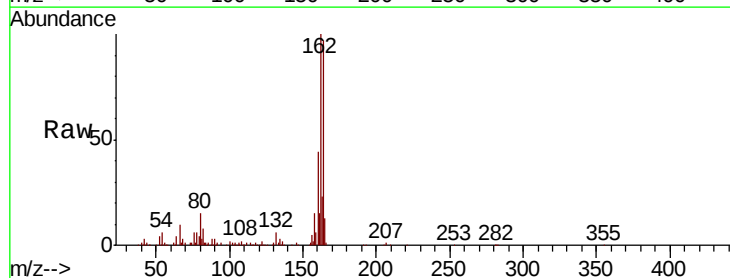
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



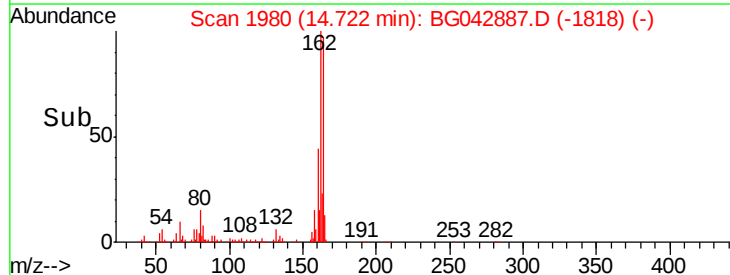
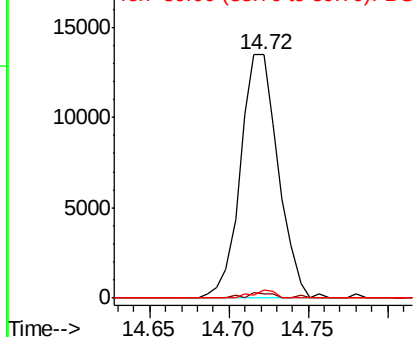
#51
 2,6-Dinitrotoluene
 Concen: 8.741 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. 0.42 min
 Lab File: BG042887.D
 Acq: 18 Sep 2019 9:56

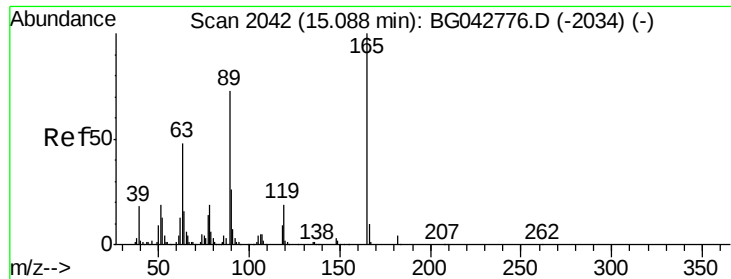
Tgt Ion:165 Resp: 22217

Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.1	78.1#
89	3.1	51.7	77.5#



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





#57

2,4-Dinitrotoluene

Concen: 6.558 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.37 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22217

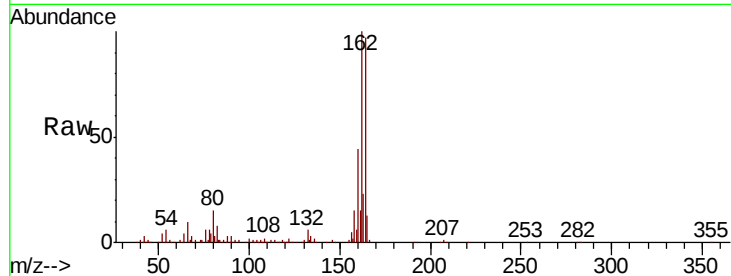
Ion Ratio Lower Upper

165 100

63 1.5 38.3 57.5#

89 3.1 58.4 87.6#

182 0.0 2.9 4.3#

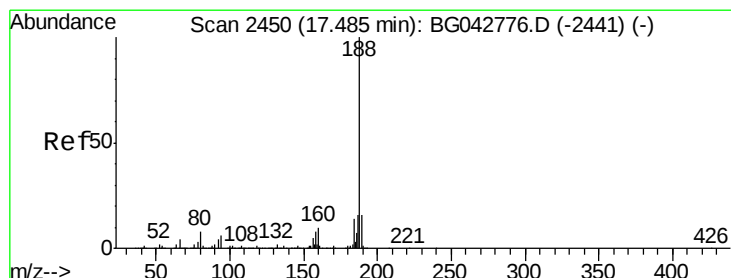
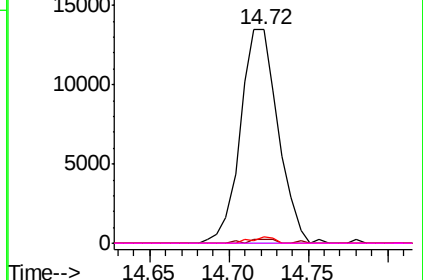
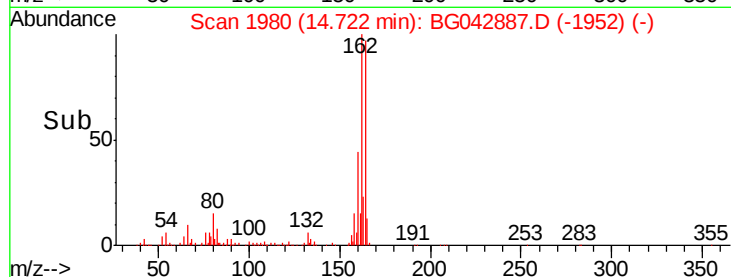


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.47 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

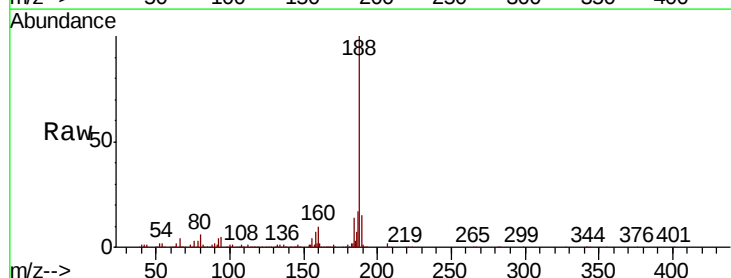
Tgt Ion:188 Resp: 387300

Ion Ratio Lower Upper

188 100

94 5.5 4.8 7.2

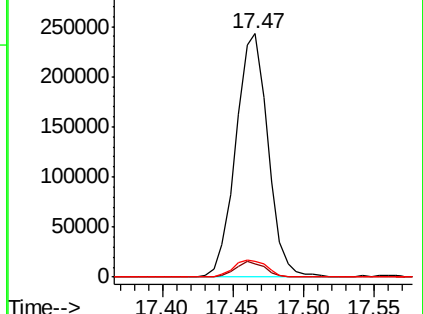
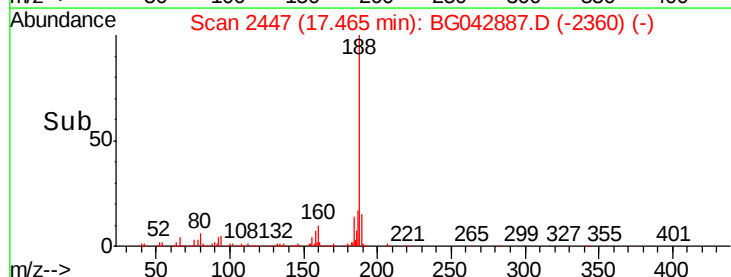
80 6.3 6.6 9.8#

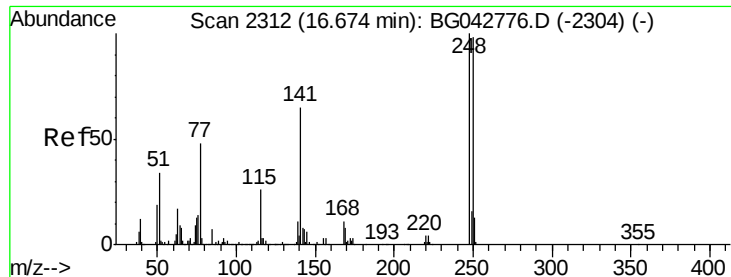


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

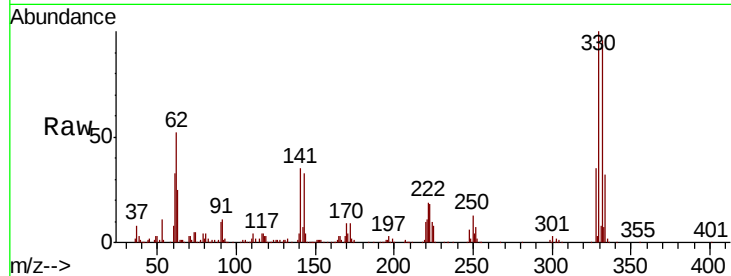




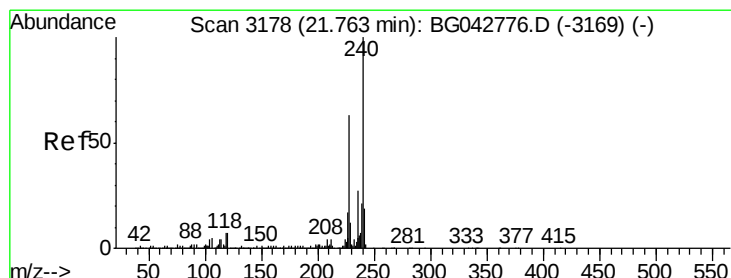
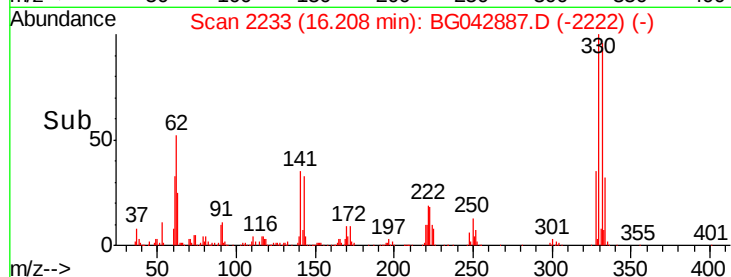
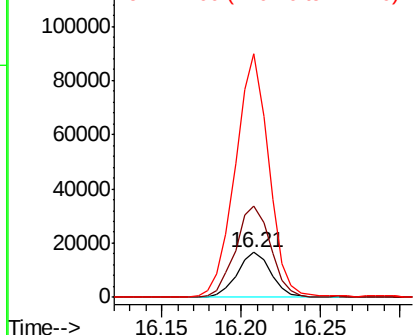
#67
 4-Bromophenyl-phenylether
 Concen: 5.314 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.47 min
 Lab File: BG042887.D
 Acq: 18 Sep 2019 9:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24913
 Ion Ratio Lower Upper
 248 100
 250 204.5 78.0 117.0#
 141 545.5 51.8 77.6#

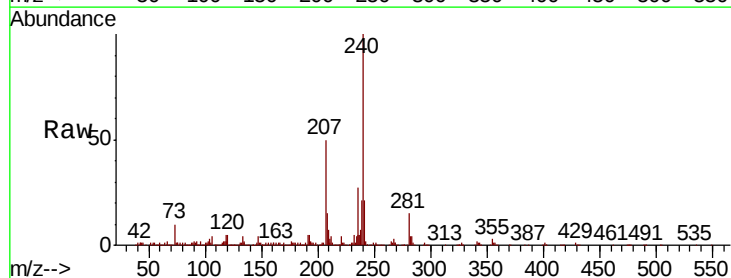


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

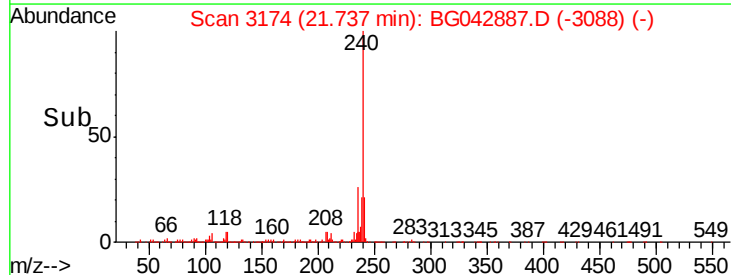
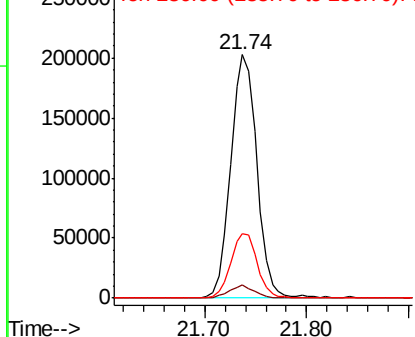


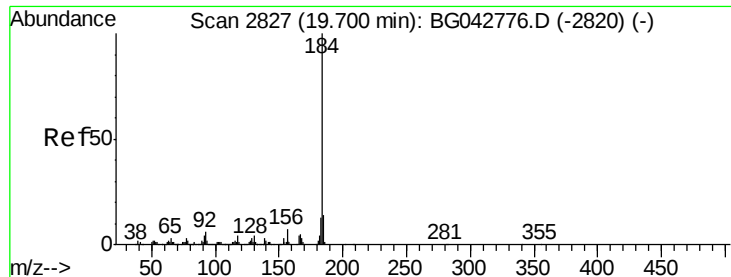
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.03 min
 Lab File: BG042887.D
 Acq: 18 Sep 2019 9:56

Tgt Ion:240 Resp: 362284
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.4 8.2#
 236 26.6 21.7 32.5



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: 3.613 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

Instrument :

BNA_G

ClientSampleId :

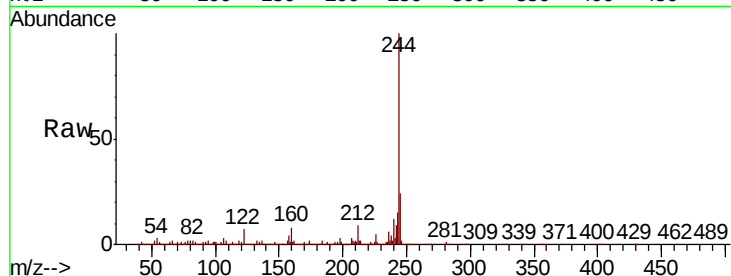
Tot Ion:184 Resp: 36570

Ion Ratio Lower Upper

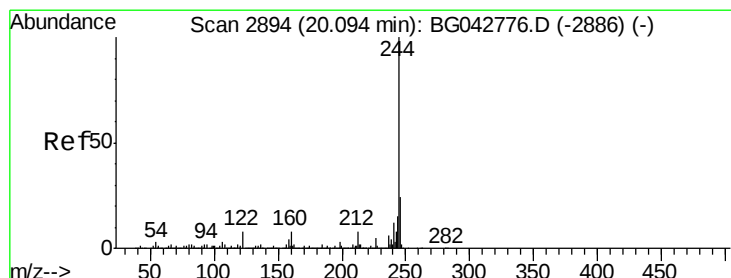
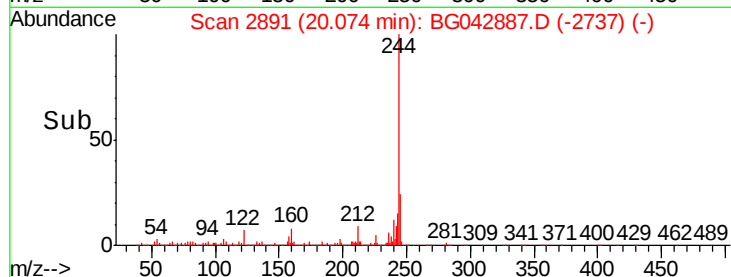
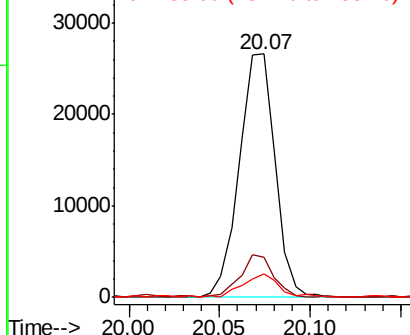
184 100

185 16.7 11.6 17.4

183 9.5 10.4 15.6#



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: 117.849 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042887.D

Acq: 18 Sep 2019 9:56

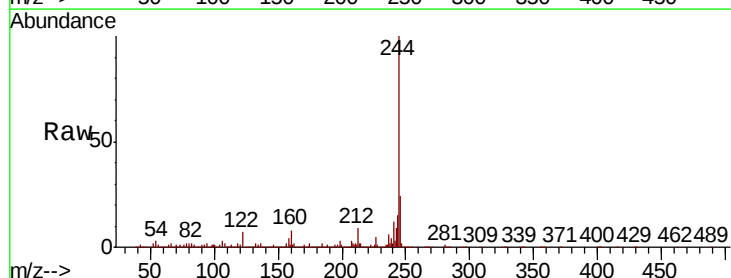
Tgt Ion:244 Resp: 1926421

Ion Ratio Lower Upper

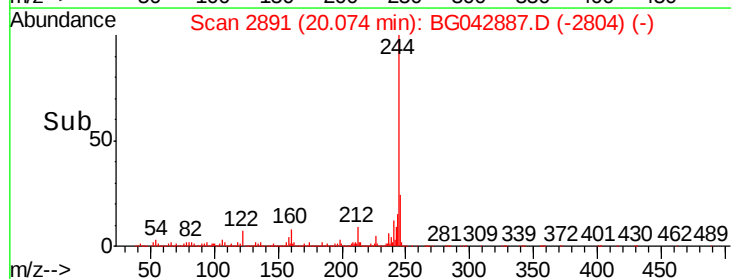
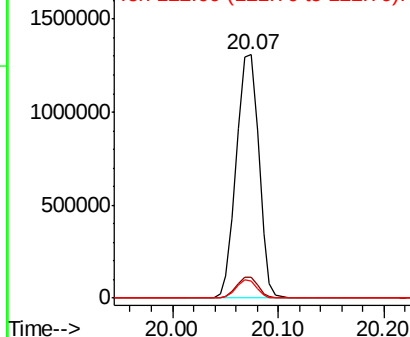
244 100

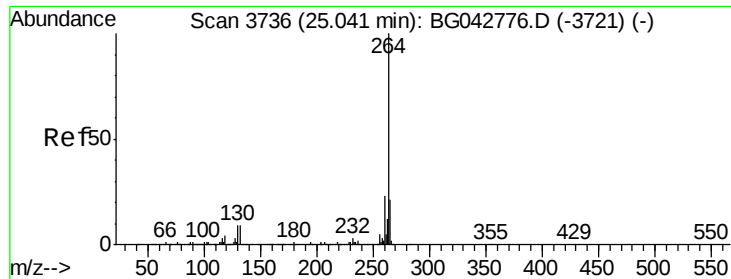
212 8.7 6.6 10.0

122 7.1 6.2 9.4



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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.00 min Scan# 3729
 Delta R.T. -0.04 min
 Lab File: BG042887.D
 Acq: 18 Sep 2019 9:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	23.0	16.9	25.3

