

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082919\
 Data File : BG042582.D
 Acq On : 30 Aug 2019 1:57
 Operator : HP/JU
 Sample : K4596-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-4-082819

Quant Time: Aug 30 05:38:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

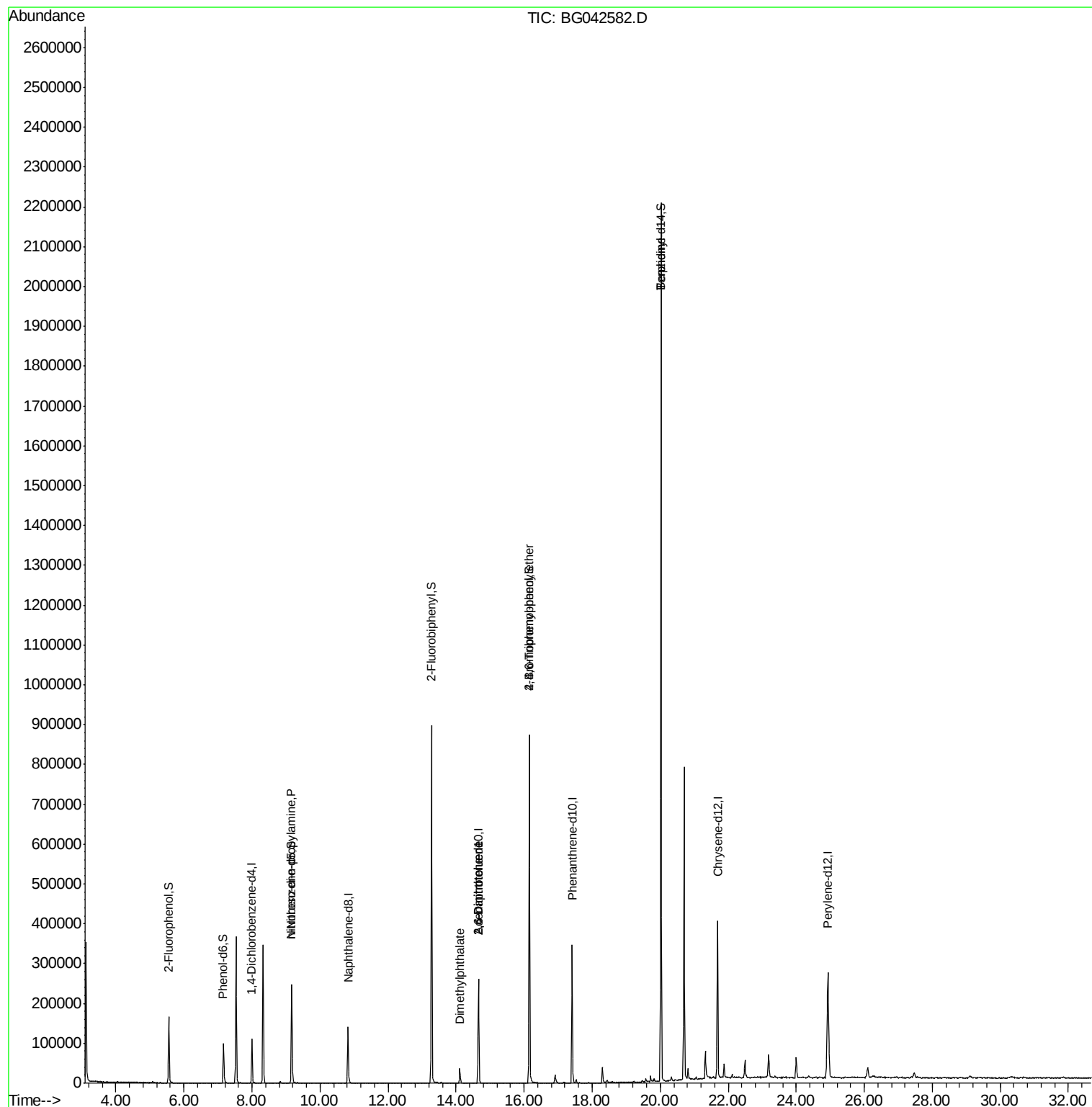
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	37670	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	143948	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	106675	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	253744	20.00	ng	0.00
76) Chrysene-d12	21.68	240	261142	20.00	ng	-0.01
87) Perylene-d12	24.93	264	309363	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	87360	46.97	ng	0.00
7) Phenol-d6	7.16	99	72840	28.99	ng	-0.01
23) Nitrobenzene-d5	9.16	82	167181	80.26	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	218834	144.33	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	554407	87.90	ng	0.00
79) Terphenyl-d14	20.03	244	1208197	100.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	22145	13.605	ng	Qvalue # 76
50) Dimethylphthalate	14.11	163	37897	4.924	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	13734	7.698	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	13734	5.376	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	15038	4.672	ng	# 1
77) Benzidine	20.02	184	15435	2.062	ng	# 90

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

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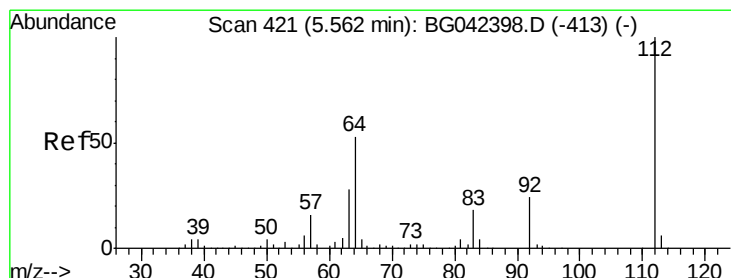
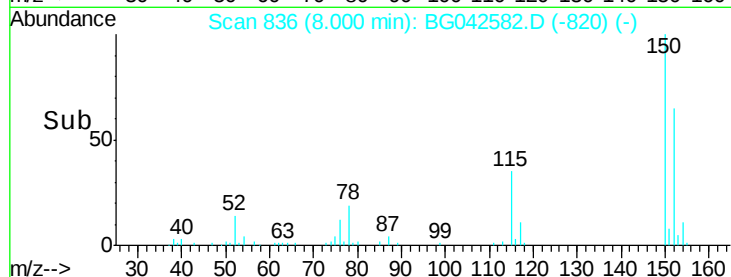
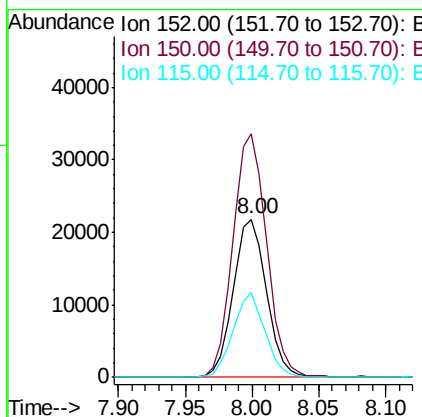
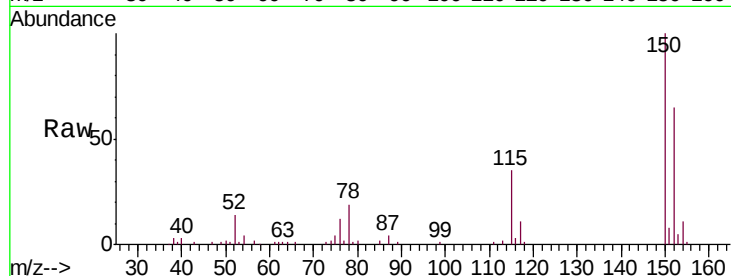




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

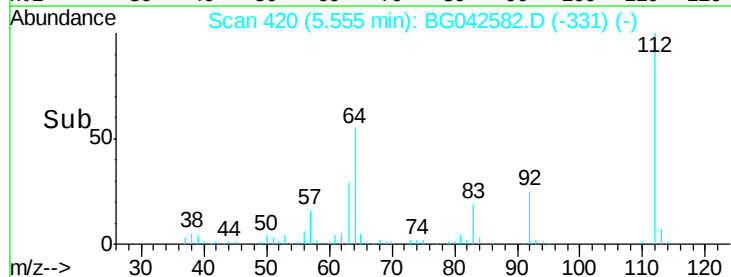
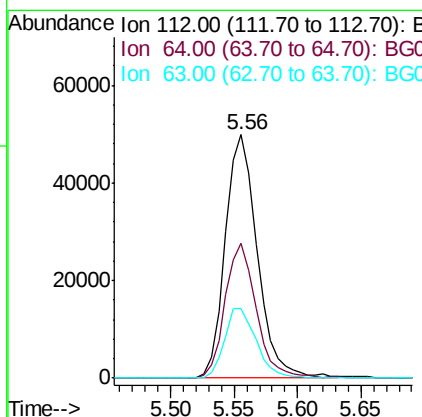
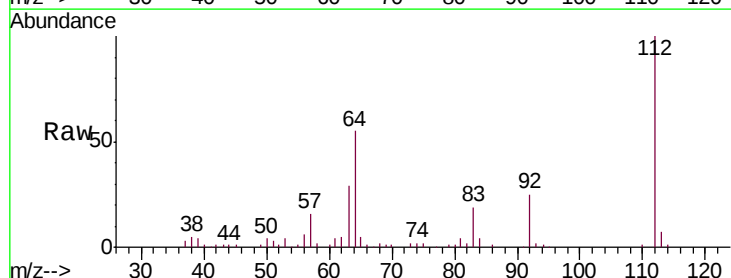
Instrument :
 BNA_G
 ClientSampleId :
 EB-4-082819

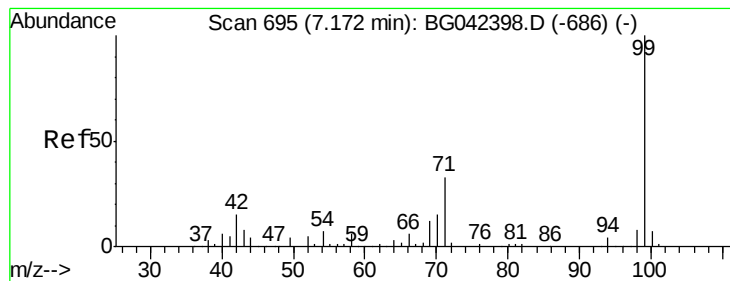
Tgt Ion:152 Resp: 37670
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.4 188.0
 115 54.1 38.5 57.7



#5
 2-Fluorophenol
 Concen: 46.968 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

Tgt Ion:112 Resp: 87360
 Ion Ratio Lower Upper
 112 100
 64 55.2 42.8 64.2
 63 28.7 22.7 34.1





#7

Phenol-d6

Concen: 28.992 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

Instrument :

BNA_G

ClientSampleId :

EB-4-082819

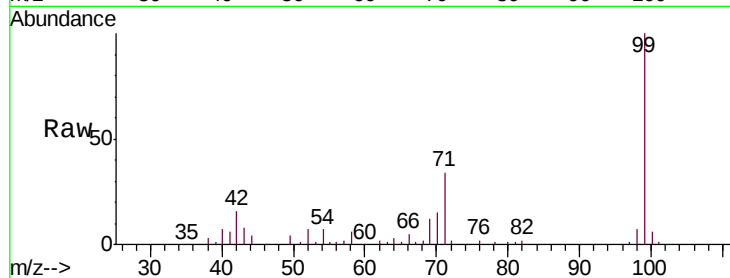
Tgt Ion: 99 Resp: 72840

Ion Ratio Lower Upper

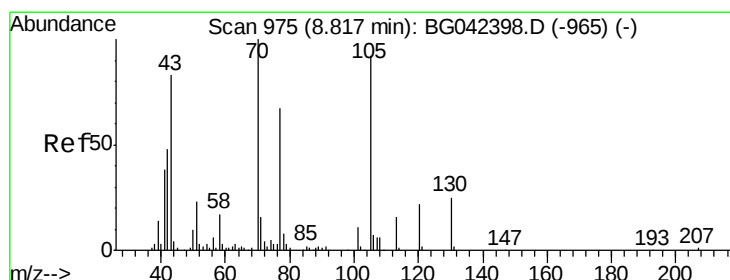
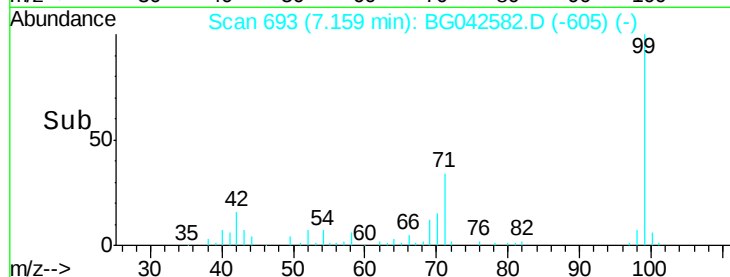
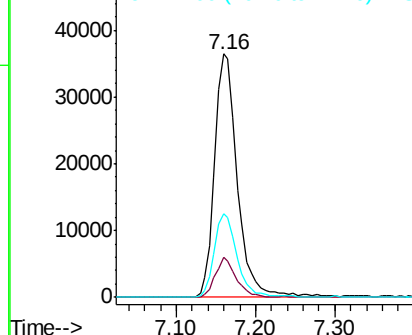
99 100

42 16.4 12.0 18.0

71 34.4 26.3 39.5



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: 13.605 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

Tgt Ion: 70 Resp: 22145

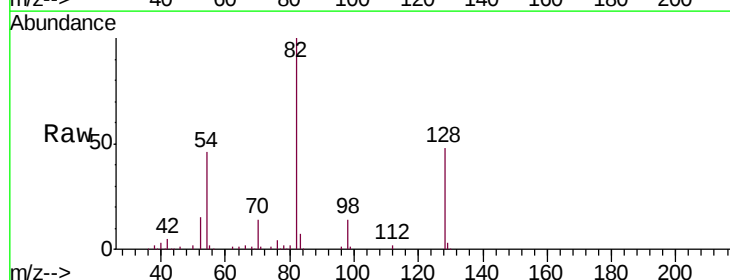
Ion Ratio Lower Upper

70 100

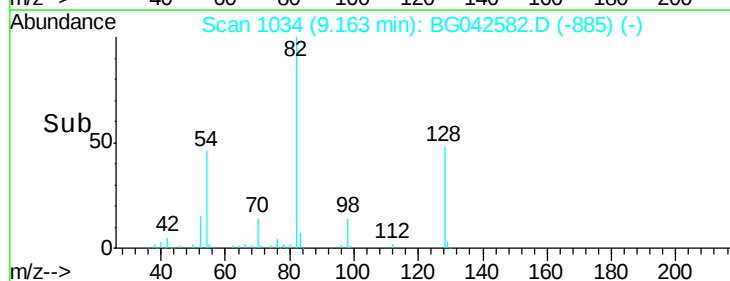
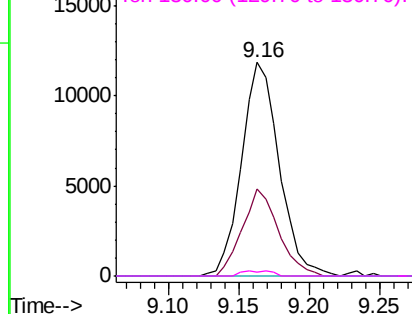
42 40.5 38.8 58.2

101 0.0 9.0 13.6#

130 1.5 20.0 30.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

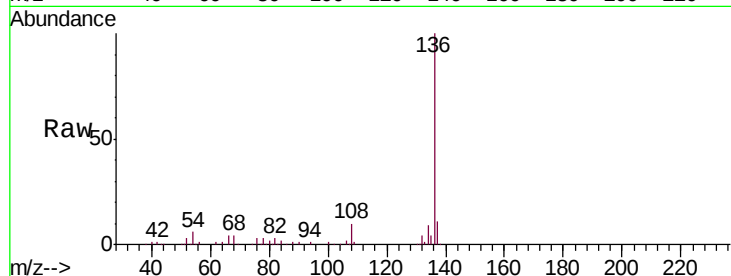




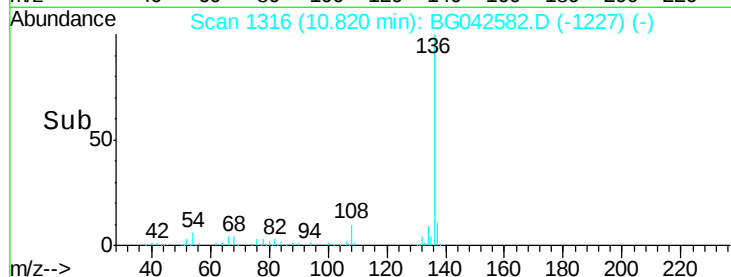
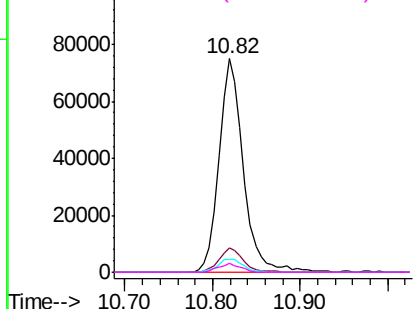
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042582.D
Acq: 30 Aug 2019 1:57

Instrument :
BNA_G
ClientSampleId :
EB-4-082819

Tgt Ion:	136	Resp:	143948
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.0	4.9	7.3
68	4.2	3.6	5.4

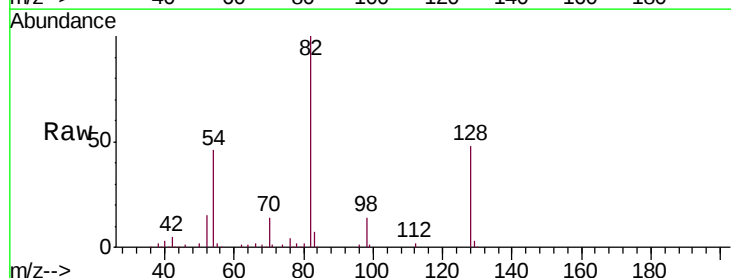


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

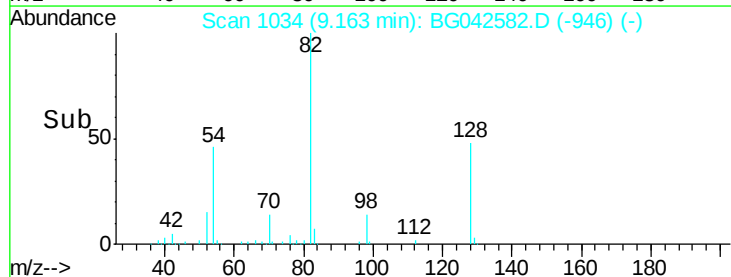
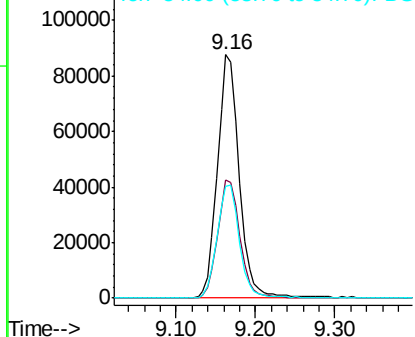


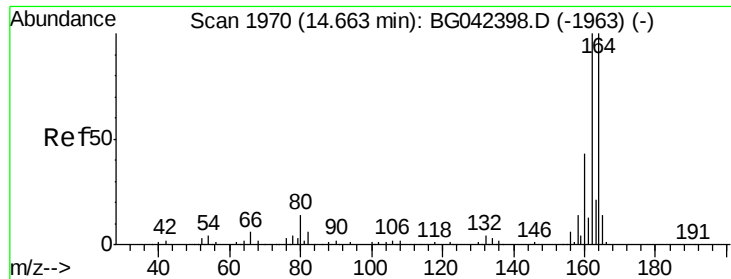
#23
Nitrobenzene-d5
Concen: 80.257 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042582.D
Acq: 30 Aug 2019 1:57

Tgt Ion:	82	Resp:	167181
Ion	Ratio	Lower	Upper
82	100		
128	48.5	40.7	61.1
54	45.8	36.3	54.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

Instrument :

BNA_G

ClientSampleId :

EB-4-082819

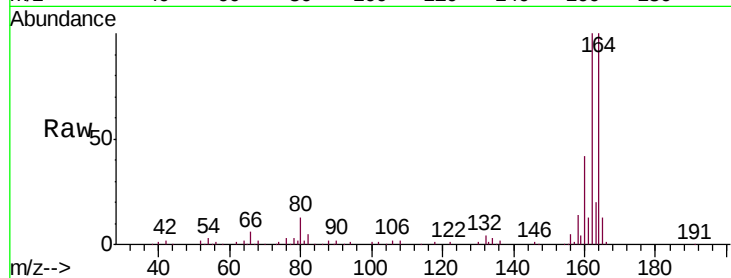
Tgt Ion:164 Resp: 106675

Ion Ratio Lower Upper

164 100

162 99.8 79.9 119.9

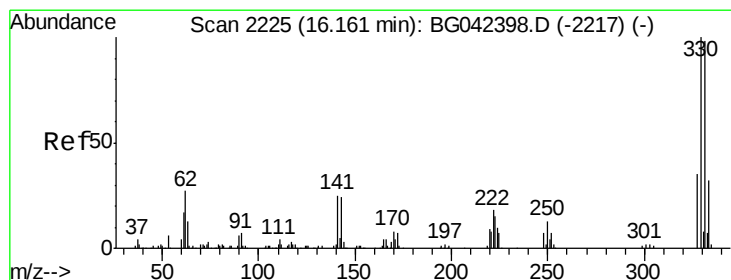
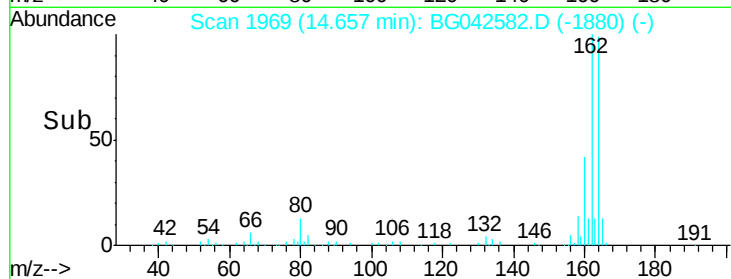
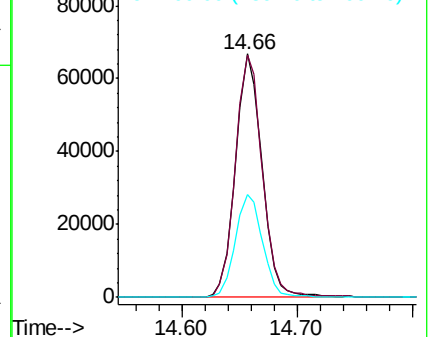
160 42.1 34.3 51.5



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: 144.330 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

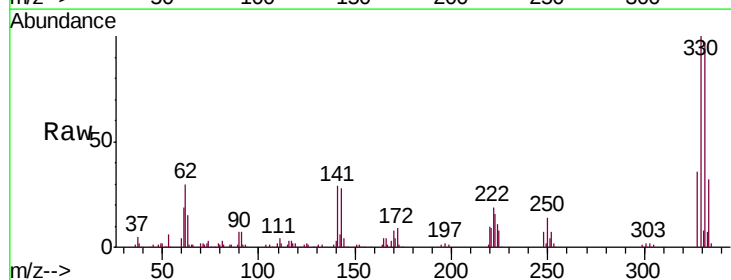
Tgt Ion:330 Resp: 218834

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

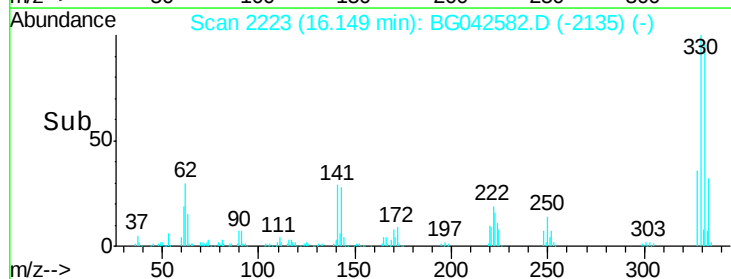
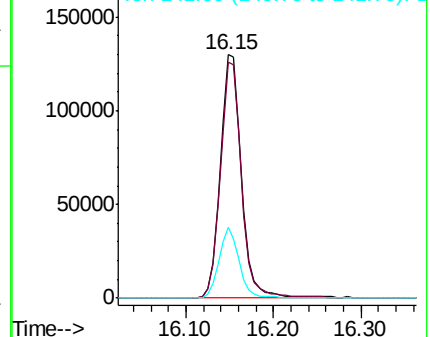
141 27.4 21.4 32.0



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

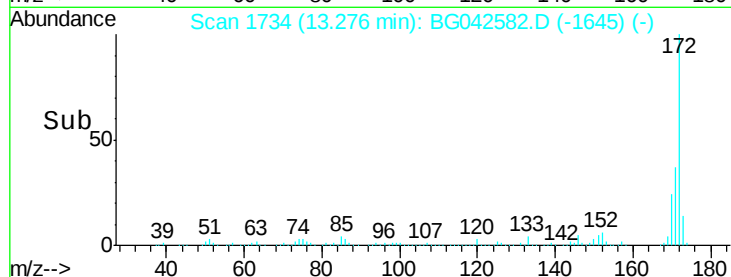
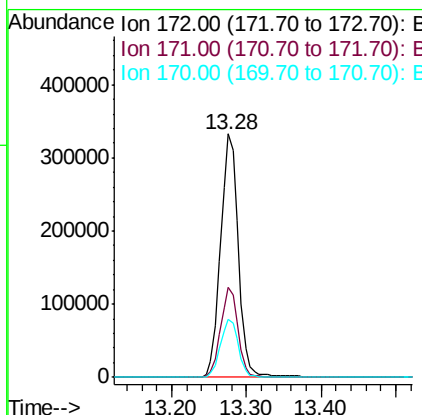
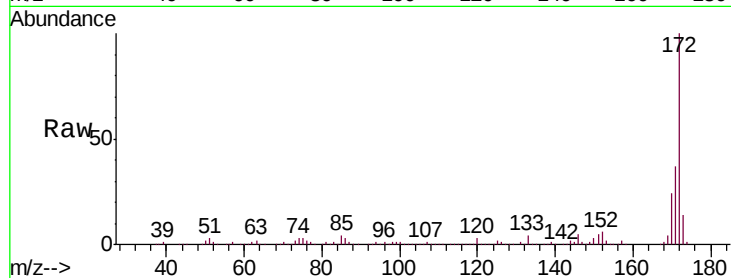




#45
 2-Fluorobiphenyl
 Concen: 87.899 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

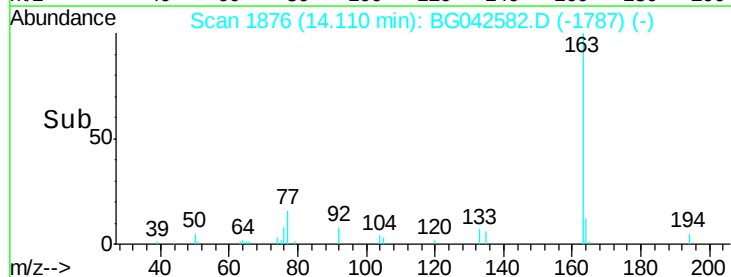
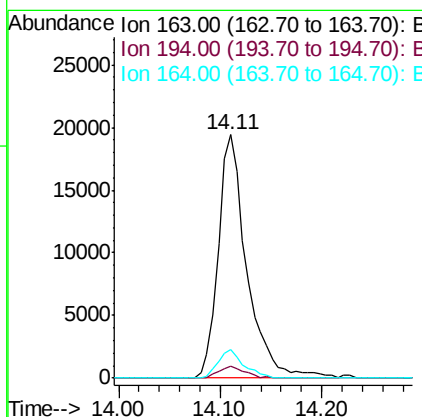
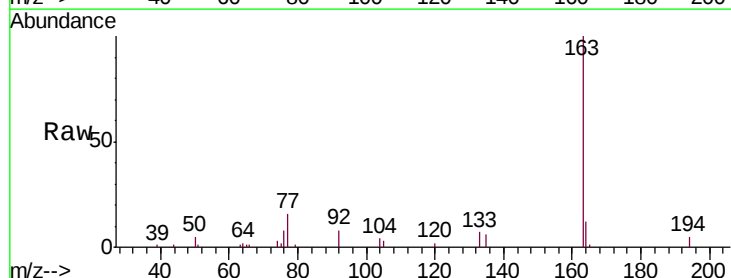
Instrument :
 BNA_G
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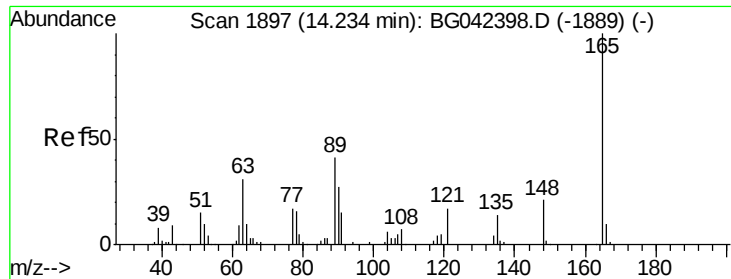
Tgt Ion:172 Resp: 554407
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.5 45.7
 170 24.0 20.2 30.2



#50
 Dimethylphthalate
 Concen: 4.924 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

Tgt Ion:163 Resp: 37897
 Ion Ratio Lower Upper
 163 100
 194 5.0 4.2 6.2
 164 11.7 8.8 13.2

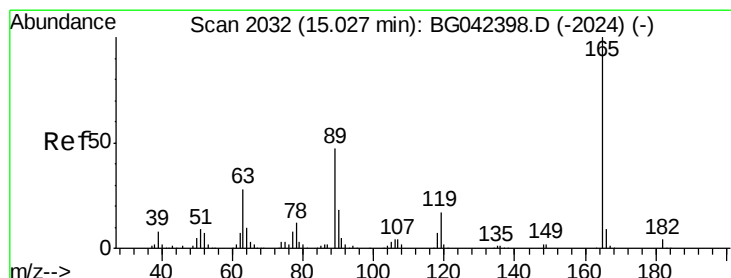
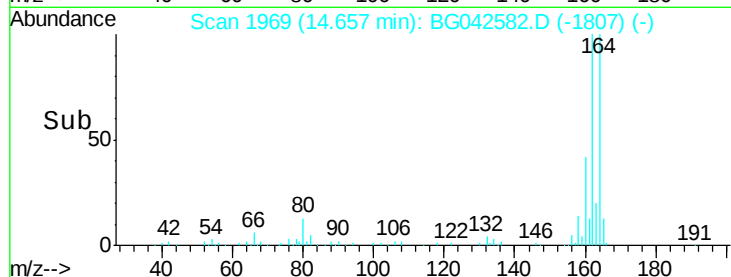
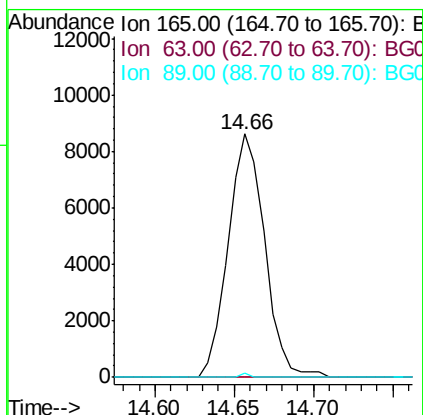
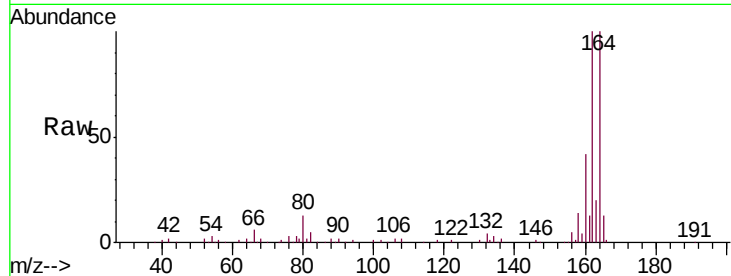




#51
 2,6-Dinitrotoluene
 Concen: 7.698 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

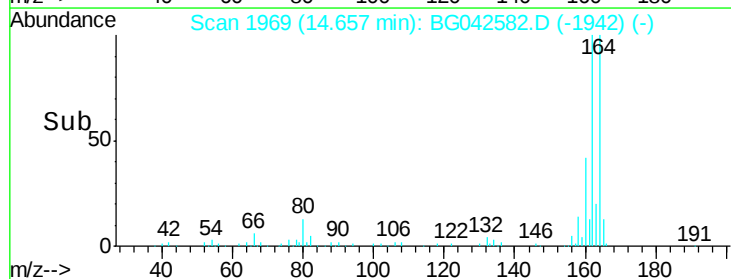
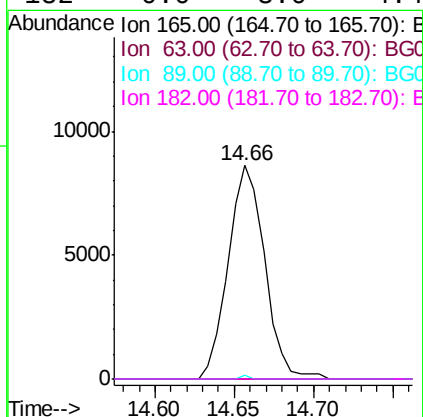
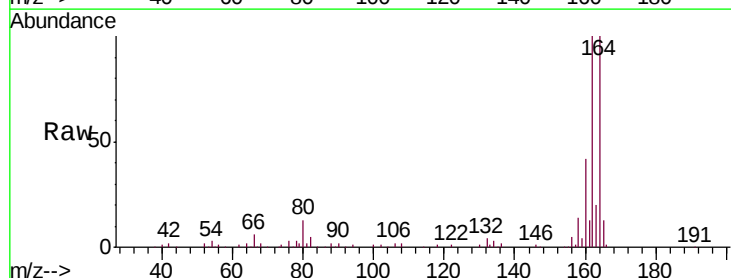
Instrument :
 BNA_G
 ClientSampleId :
 EB-4-082819

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	1.8	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.376 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042582.D
 Acq: 30 Aug 2019 1:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	1.8	37.8	56.6#
182	0.0	3.0	4.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

Instrument :

BNA_G

ClientSampleId :

EB-4-082819

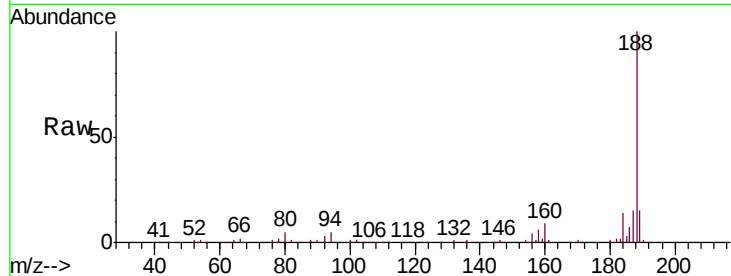
Tgt Ion:188 Resp: 253744

Ion Ratio Lower Upper

188 100

94 5.3 4.5 6.7

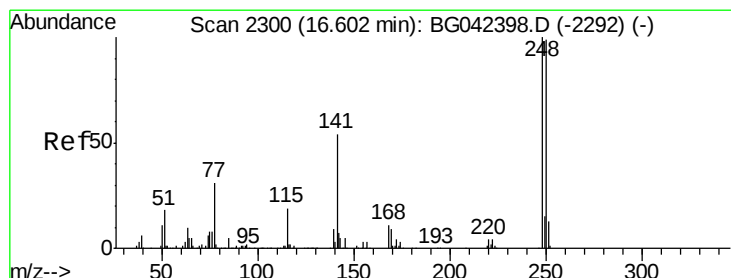
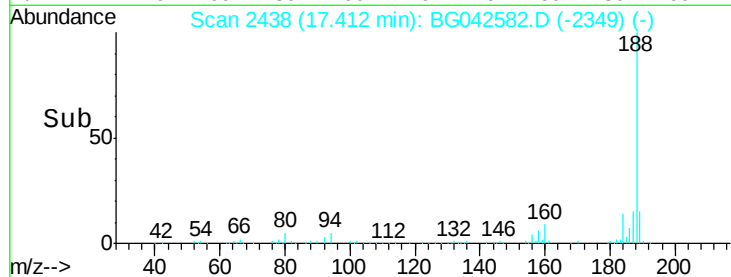
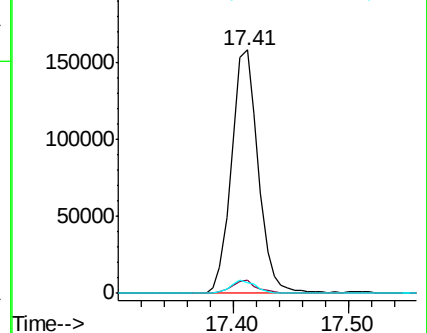
80 4.6 4.9 7.3#



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: 4.672 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

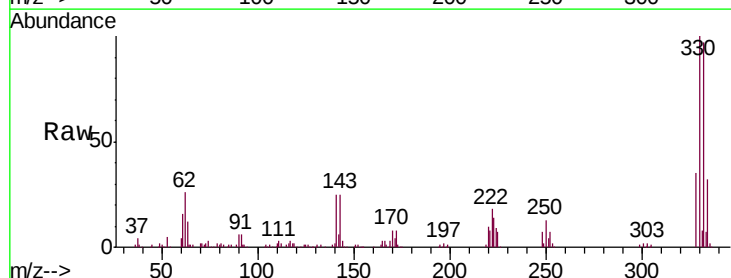
Tgt Ion:248 Resp: 15038

Ion Ratio Lower Upper

248 100

250 190.0 78.9 118.3#

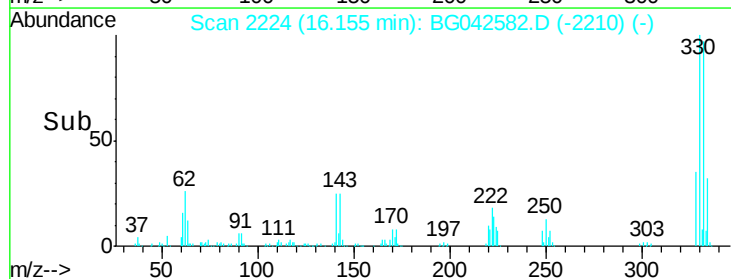
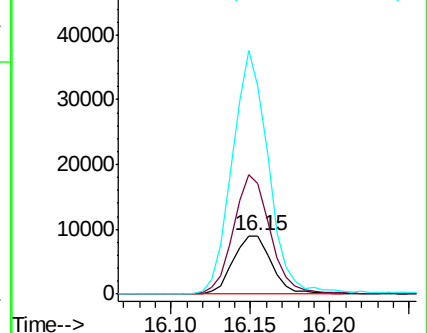
141 354.8 43.3 64.9#

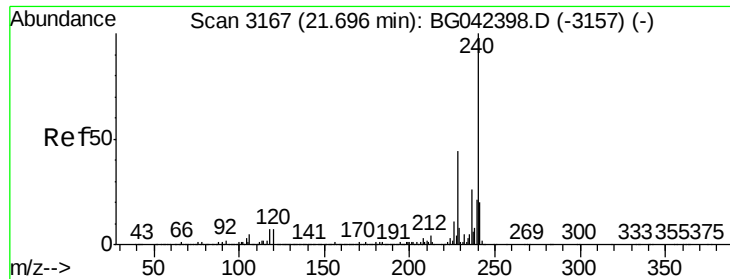


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

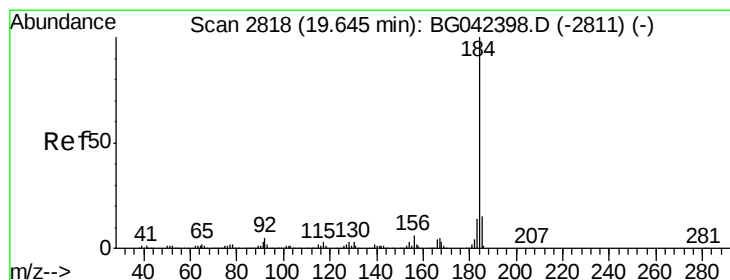
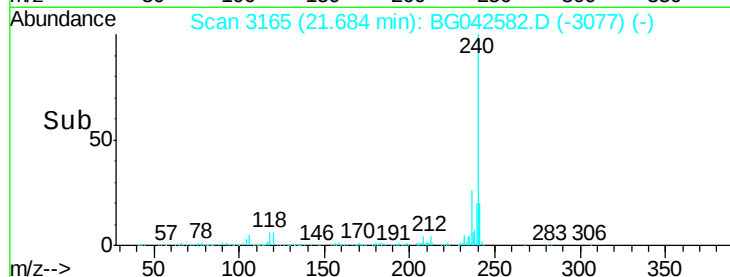
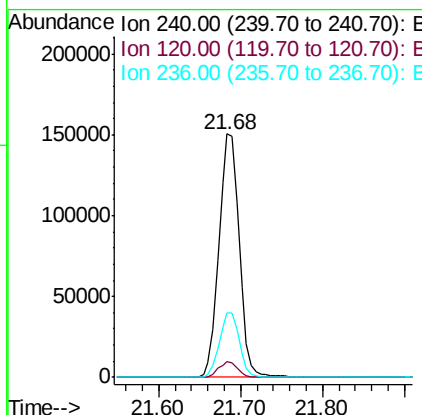
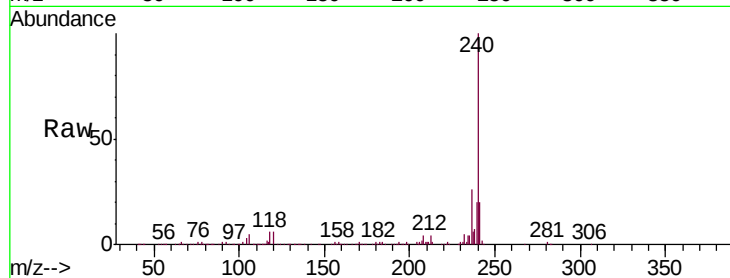




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042582.D
Acq: 30 Aug 2019 1:57

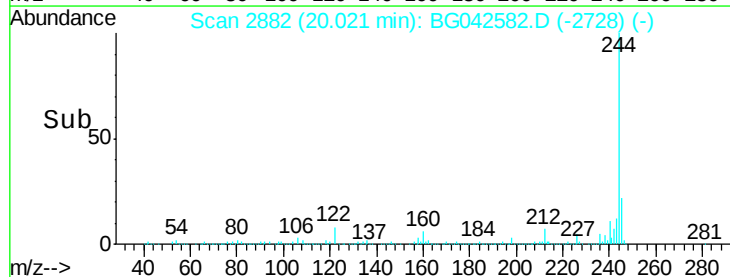
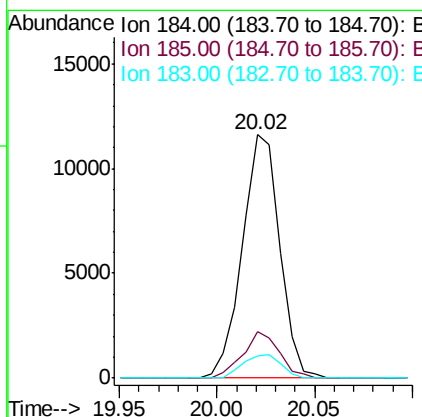
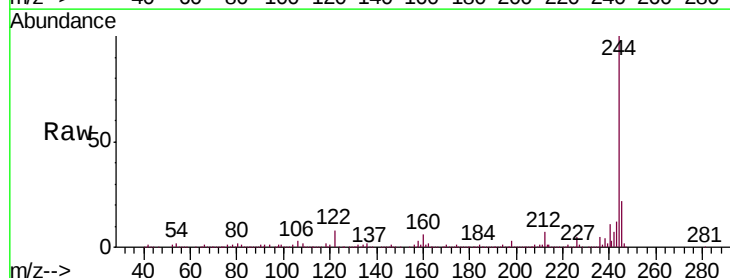
Instrument :
BNA_G
ClientSampleId :
EB-4-082819

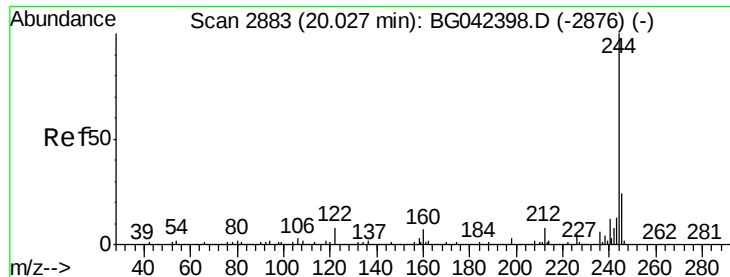
Tgt Ion:240 Resp: 261142
Ion Ratio Lower Upper
240 100
120 6.3 5.7 8.5
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.062 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042582.D
Acq: 30 Aug 2019 1:57

Tgt Ion:184 Resp: 15435
Ion Ratio Lower Upper
184 100
185 19.1 12.2 18.4#
183 9.3 10.8 16.2#





#79

Terphenyl-d14

Concen: 100.023 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

Instrument :

BNA_G

ClientSampleId :

EB-4-082819

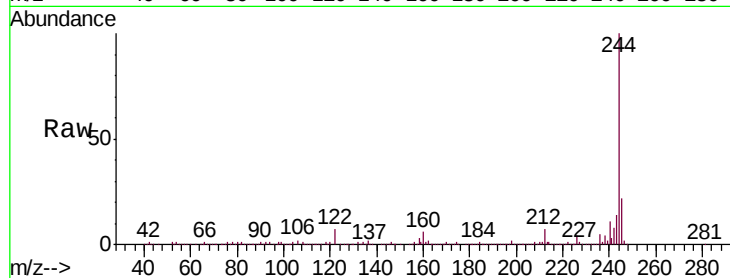
Tgt Ion:244 Resp: 1208197

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

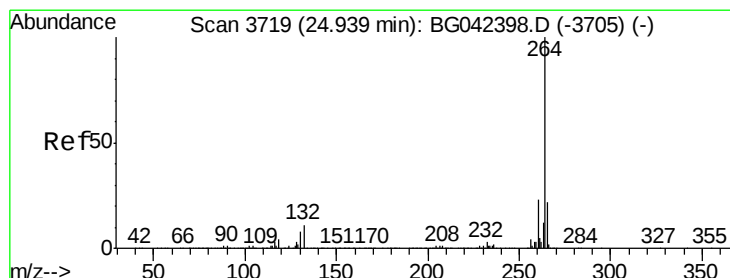
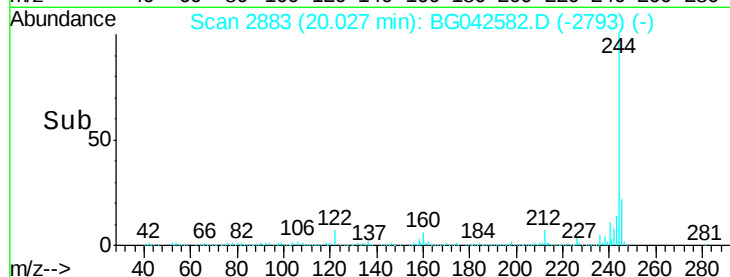
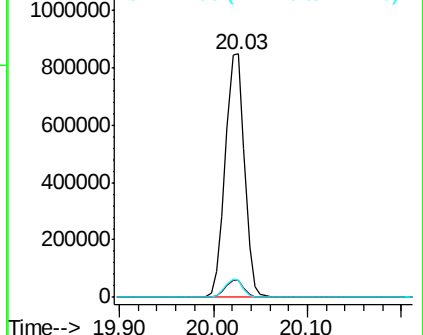
122 6.8 6.7 10.1



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042582.D

Acq: 30 Aug 2019 1:57

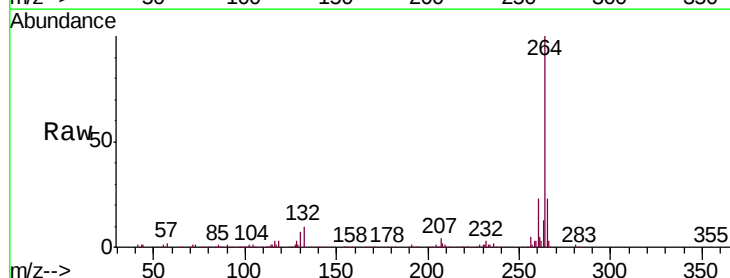
Tgt Ion:264 Resp: 309363

Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 23.0 17.6 26.4



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

