

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090419\
 Data File : BG042708.D
 Acq On : 4 Sep 2019 15:25
 Operator : HP/JU
 Sample : K4555-23
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:01:33 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	37779	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	138351	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104417	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	245764	20.00	ng	0.00
76) Chrysene-d12	21.69	240	273425	20.00	ng	0.00
87) Perylene-d12	24.93	264	313983	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	82646	44.31	ng	0.00
7) Phenol-d6	7.16	99	66058	26.22	ng	-0.01
23) Nitrobenzene-d5	9.17	82	186140	92.97	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	148914	100.34	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	627150	101.58	ng	0.00
79) Terphenyl-d14	20.02	244	1188401	93.96	ng	0.00

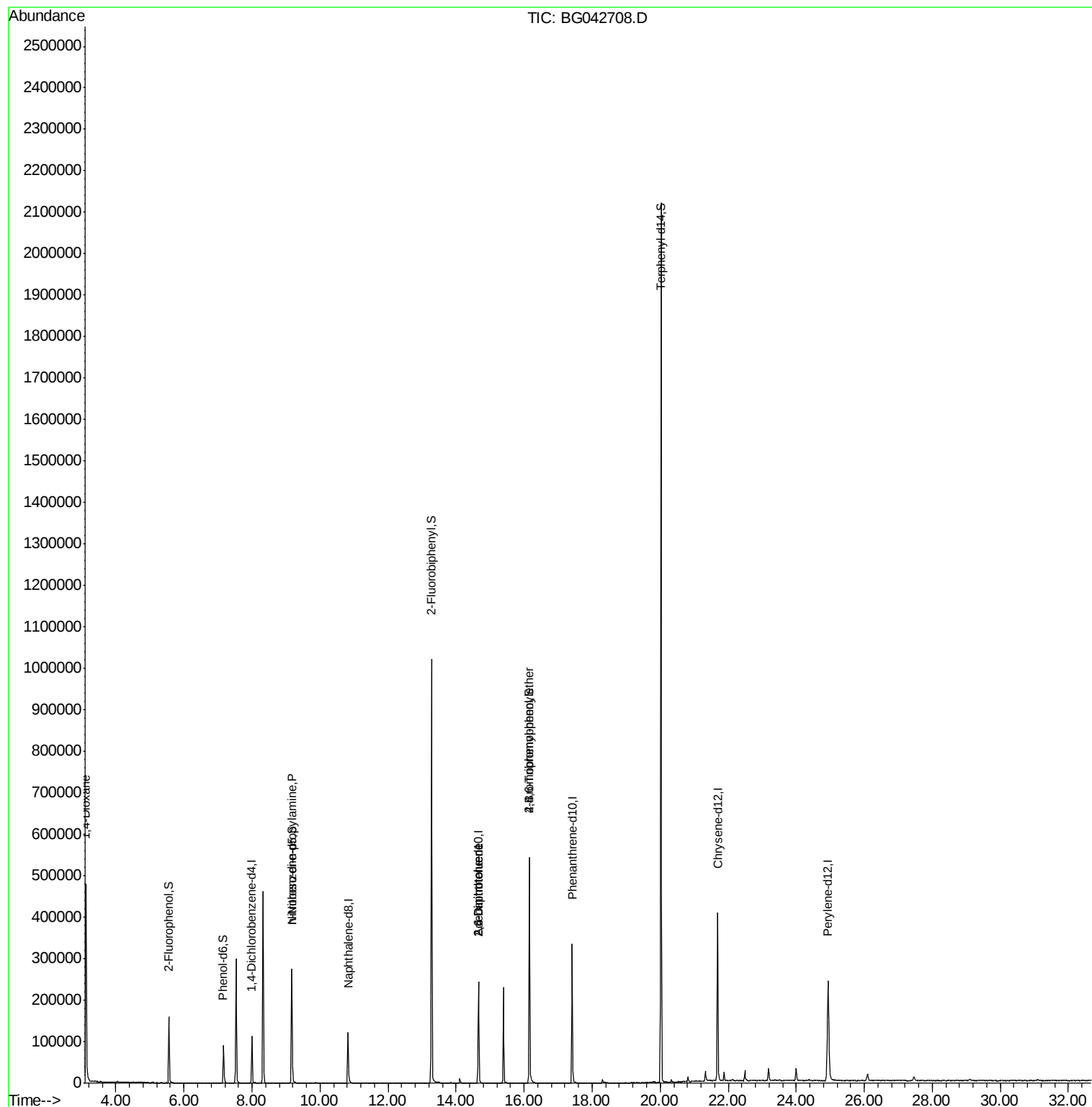
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	5101	6.553	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	24792	15.188	ng	# 78
51) 2,6-Dinitrotoluene	14.66	165	13557	7.763	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	13557	5.421	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	10169	3.262	ng	# 1

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

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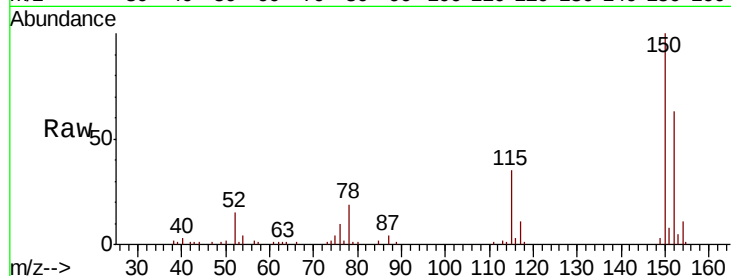


#1

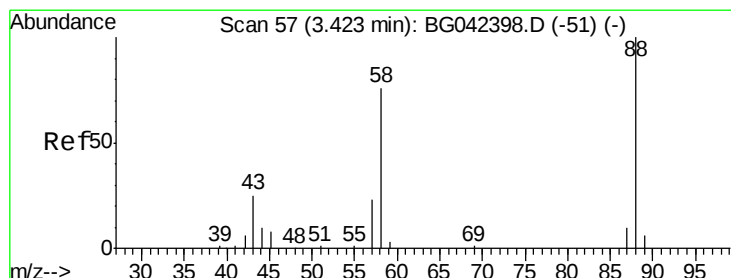
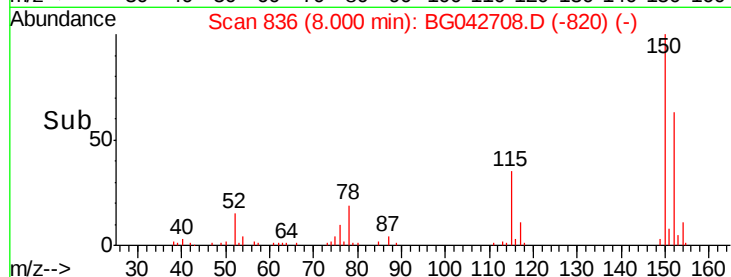
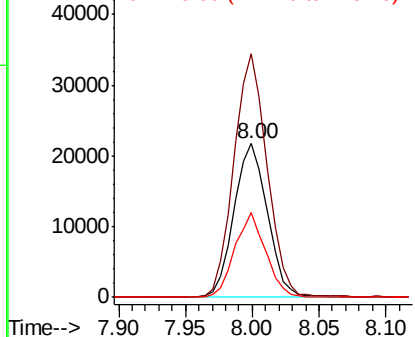
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37779
Ion Ratio Lower Upper
152 100
150 158.3 125.4 188.0
115 55.1 38.5 57.7



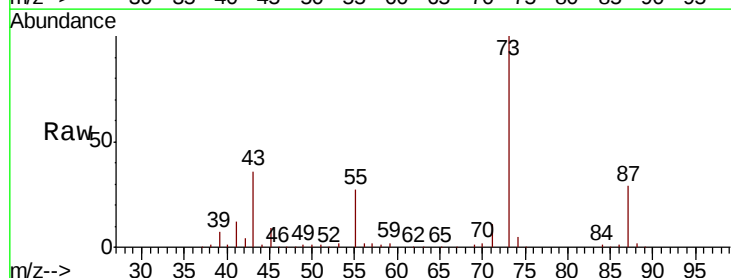
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



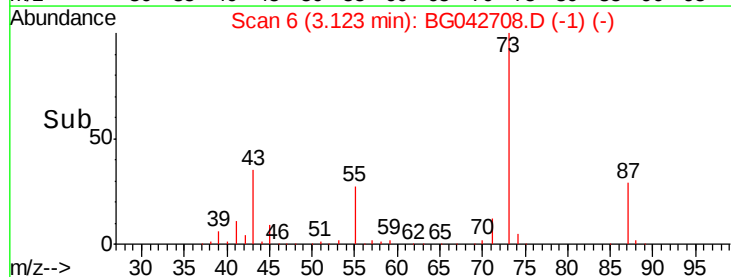
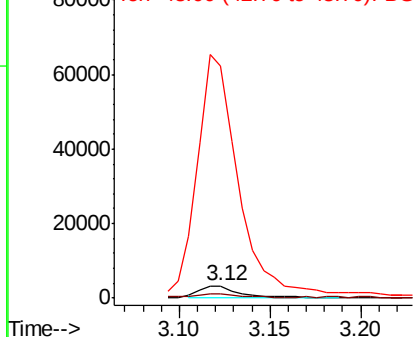
#2

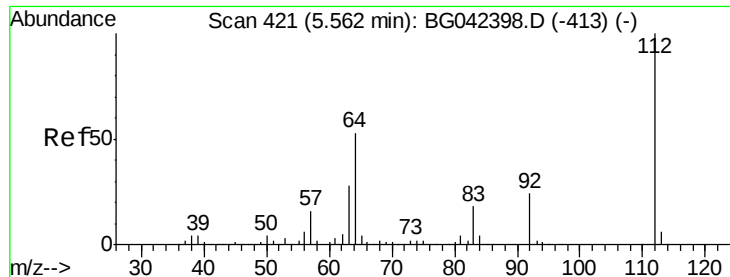
1,4-Dioxane
Concen: 6.553 ng
RT: 3.12 min Scan# 6
Delta R.T. -0.30 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

Tgt Ion: 88 Resp: 5101
Ion Ratio Lower Upper
88 100
58 25.3 58.3 87.5#
43 1866.3 20.2 30.2#



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: 44.306 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042708.D

Acq: 4 Sep 2019 15:25

Instrument :

BNA_G

ClientSampleId :

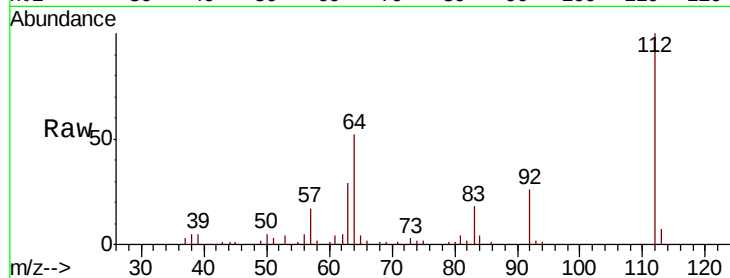
Tot Ion: 112 Resp: 82646

Ion Ratio Lower Upper

112 100

64 52.2 42.8 64.2

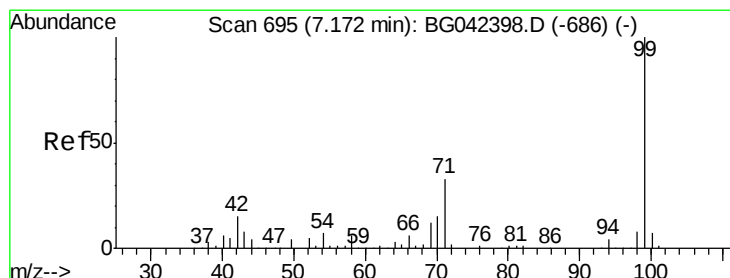
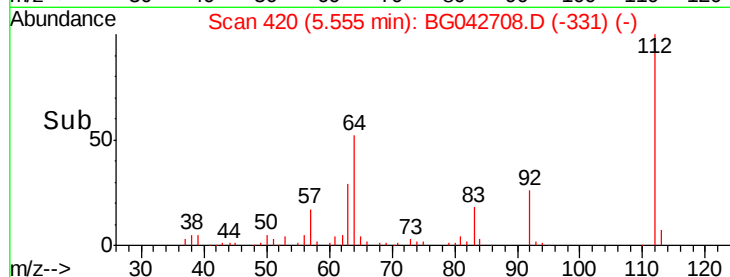
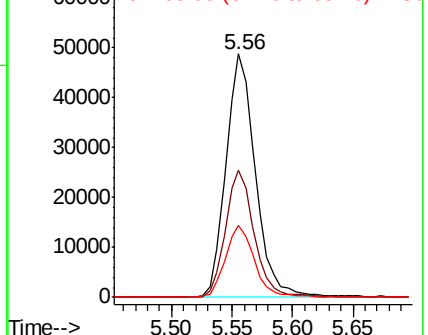
63 29.4 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 26.217 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042708.D

Acq: 4 Sep 2019 15:25

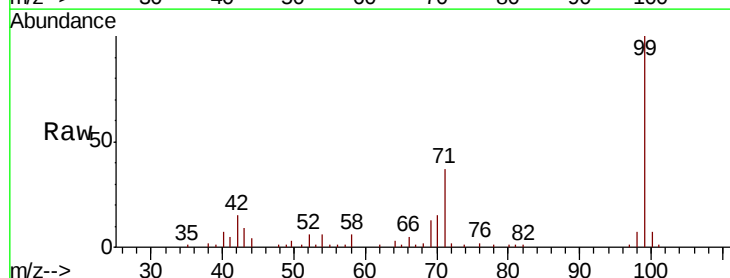
Tgt Ion: 99 Resp: 66058

Ion Ratio Lower Upper

99 100

42 15.0 12.0 18.0

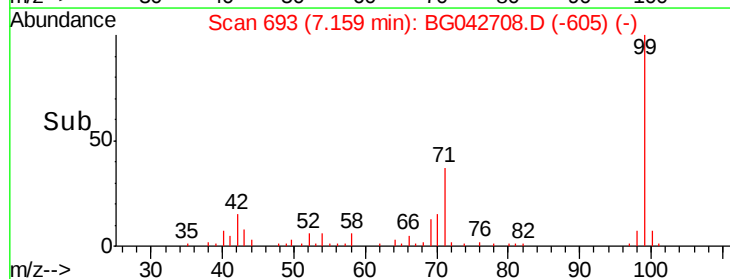
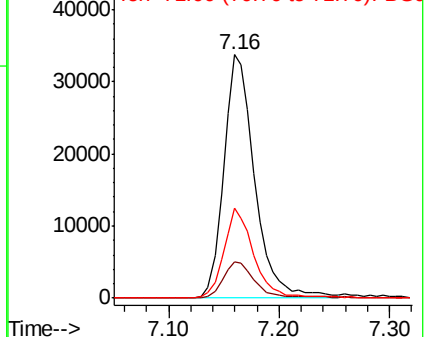
71 36.9 26.3 39.5



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

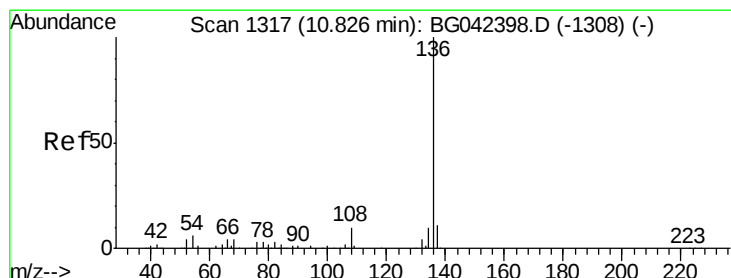
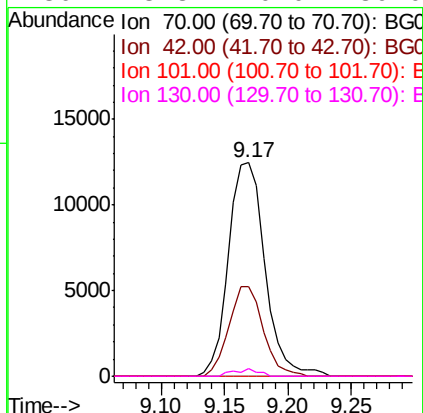
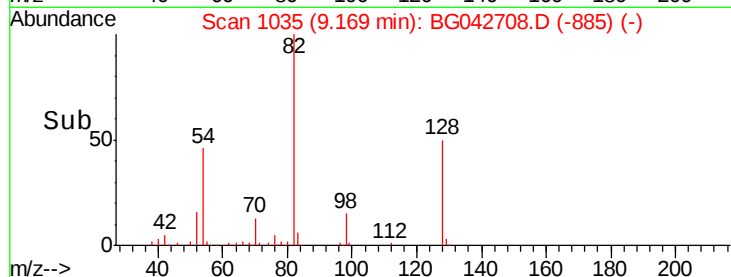
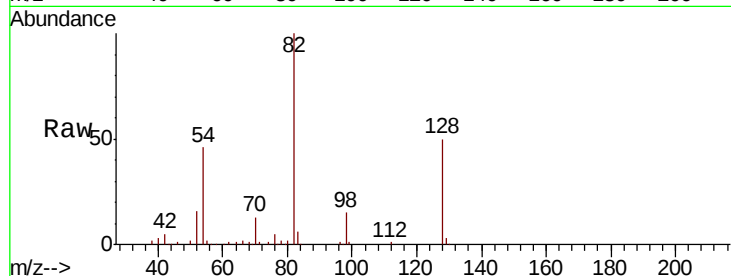




#19
n-Nitroso-di-n-propylamine
Concen: 15.188 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

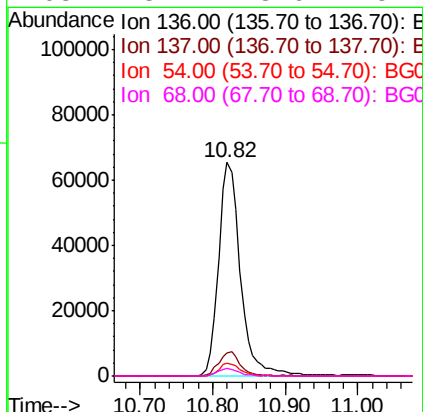
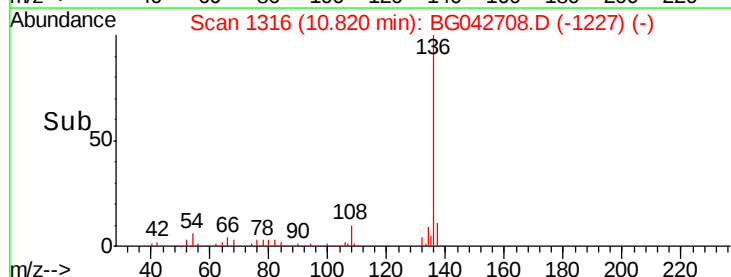
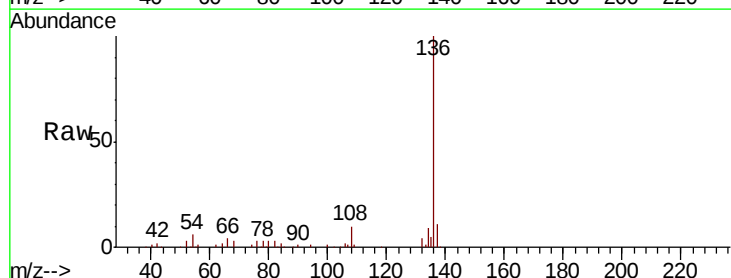
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 24792
Ion Ratio Lower Upper
70 100
42 42.2 38.8 58.2
101 0.0 9.0 13.6#
130 3.3 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

Tgt Ion: 136 Resp: 138351
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.2 4.9 7.3
68 3.4 3.6 5.4#

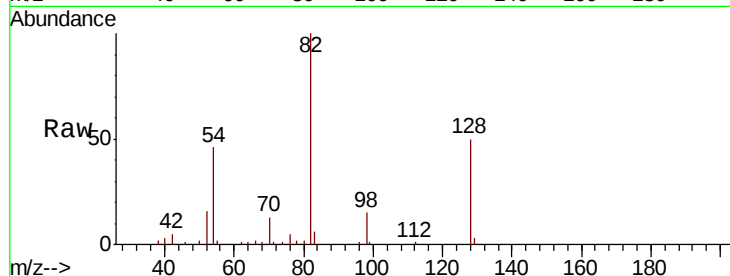




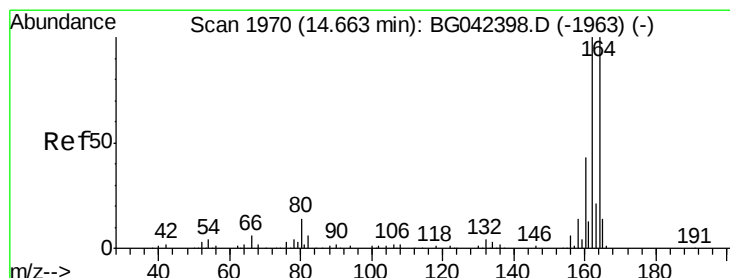
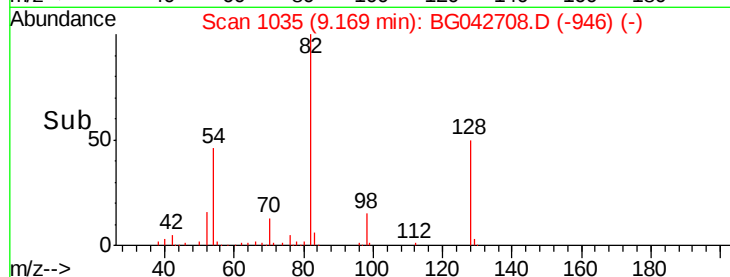
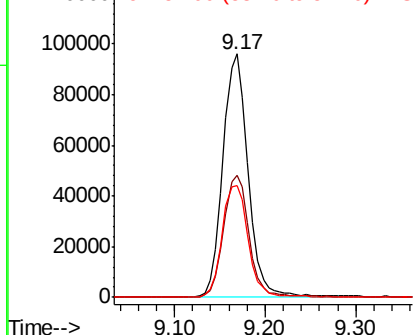
#23
Nitrobenzene-d5
Concen: 92.974 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 186140
Ion Ratio Lower Upper
82 100
128 50.1 40.7 61.1
54 46.1 36.3 54.5

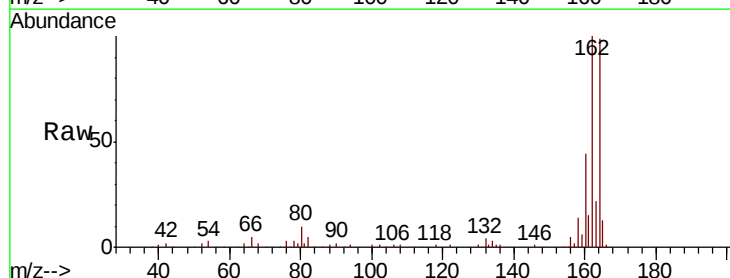


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

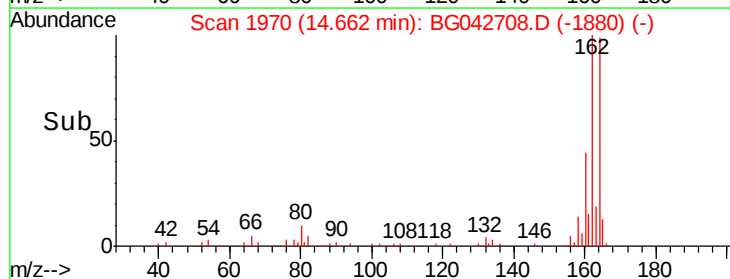
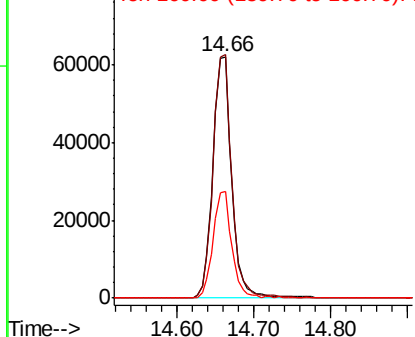


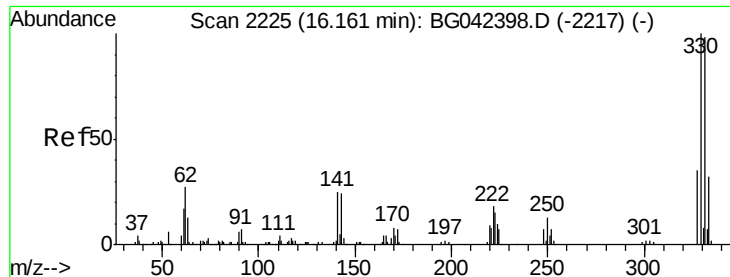
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042708.D
Acq: 4 Sep 2019 15:25

Tgt Ion: 164 Resp: 104417
Ion Ratio Lower Upper
164 100
162 100.8 79.9 119.9
160 44.3 34.3 51.5



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

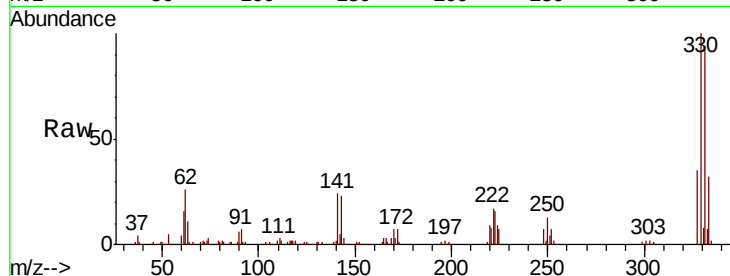




#42
 2,4,6-Tribromophenol
 Concen: 100.338 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042708.D
 Acq: 4 Sep 2019 15:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	25.8	21.4	32.0

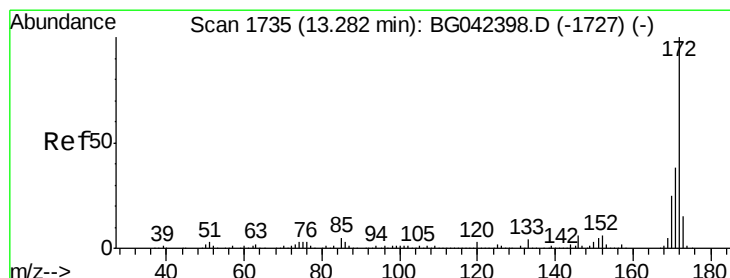
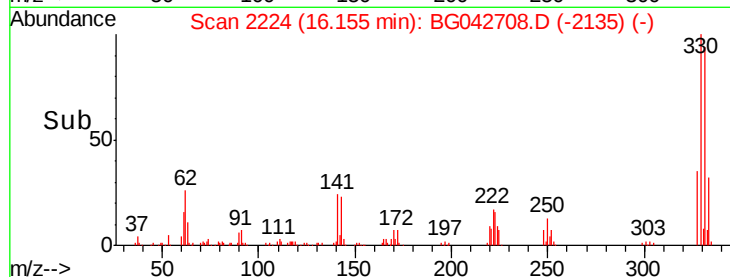
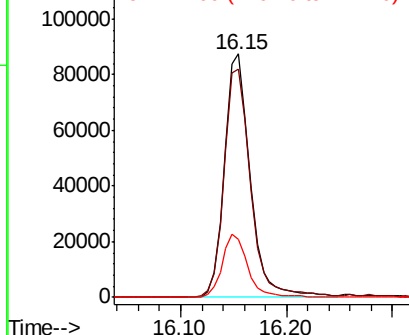


Abundance

Ion 329.80 (329.50 to 330.50): E

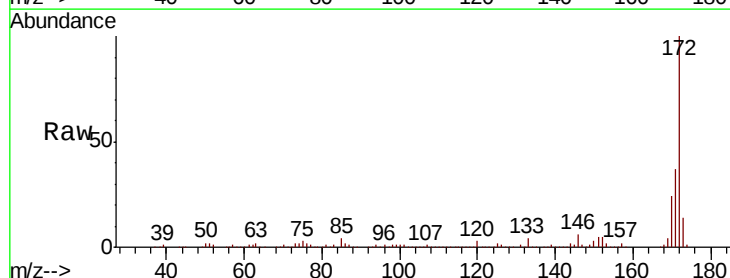
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.582 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042708.D
 Acq: 4 Sep 2019 15:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	24.4	20.2	30.2

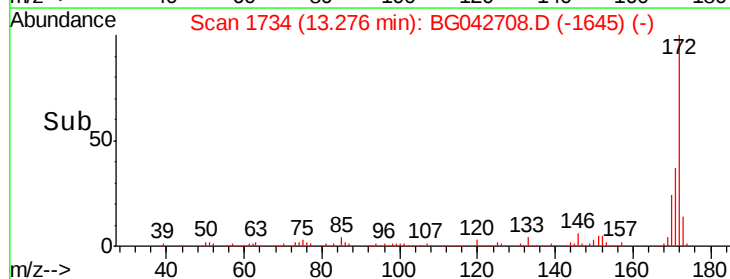
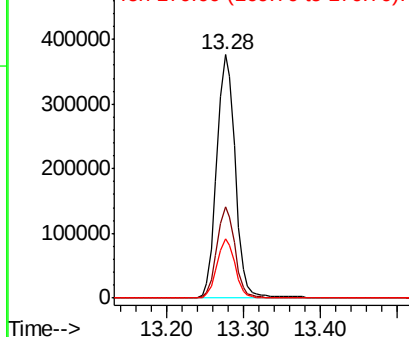


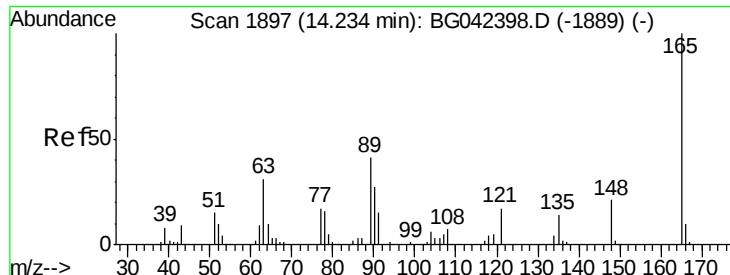
Abundance

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

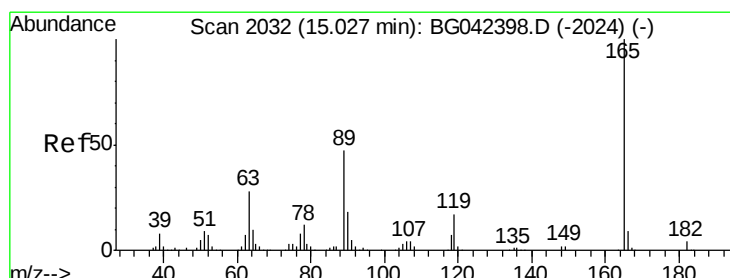
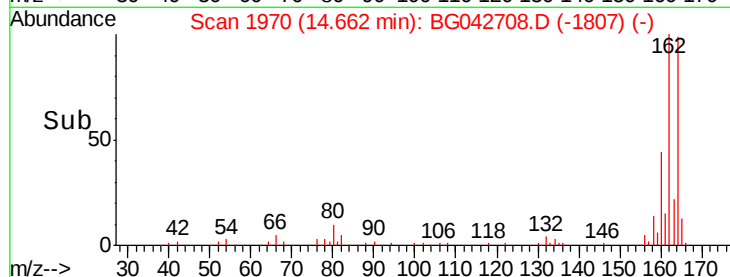
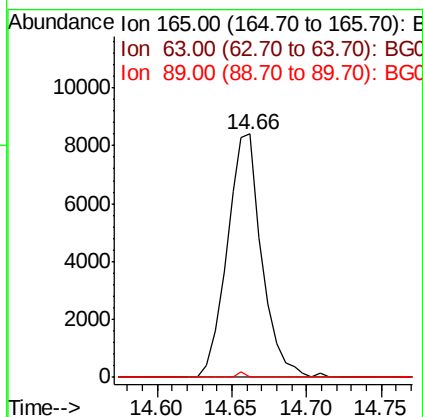
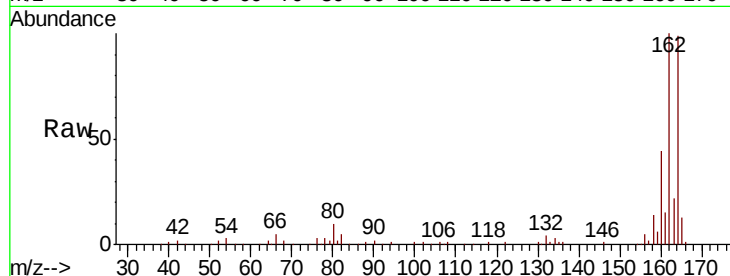




#51
 2,6-Dinitrotoluene
 Concen: 7.763 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042708.D
 Acq: 4 Sep 2019 15:25

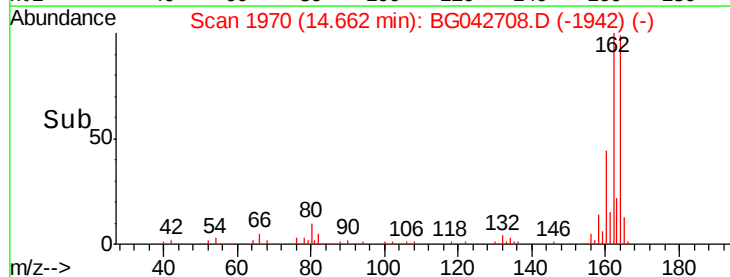
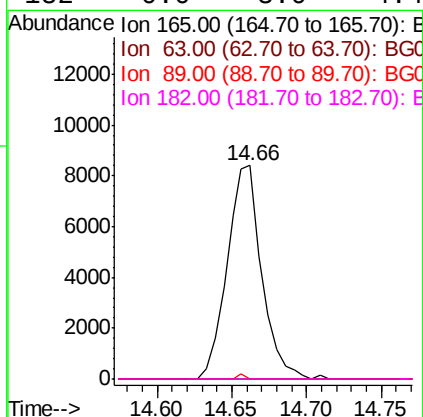
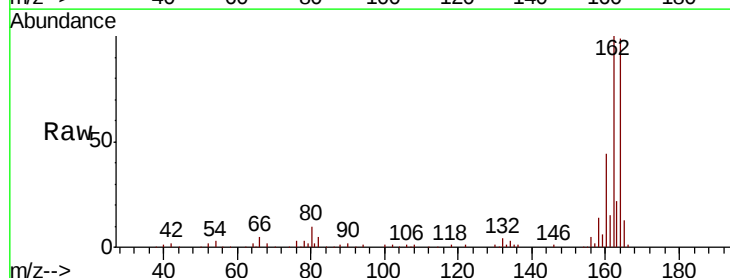
Instrument :
 BNA_G
 ClientSampled :

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



#57
 2,4-Dinitrotoluene
 Concen: 5.421 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042708.D
 Acq: 4 Sep 2019 15:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	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: BG042708.D

Acq: 4 Sep 2019 15:25

Instrument :

BNA_G

ClientSampleId :

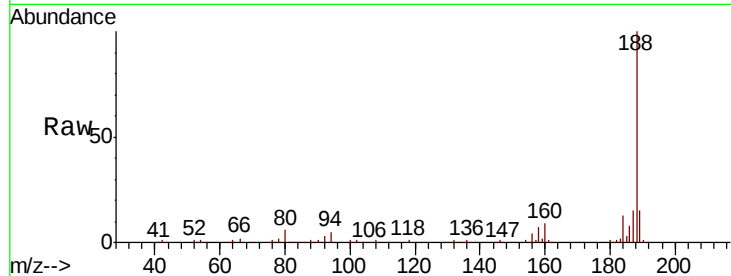
Tot Ion:188 Resp: 245764

Ion Ratio Lower Upper

188 100

94 5.2 4.5 6.7

80 5.6 4.9 7.3



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

200000

150000

100000

50000

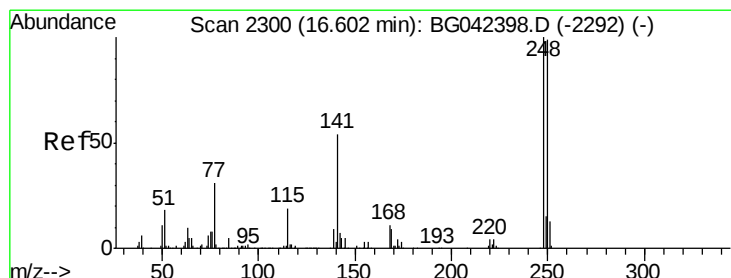
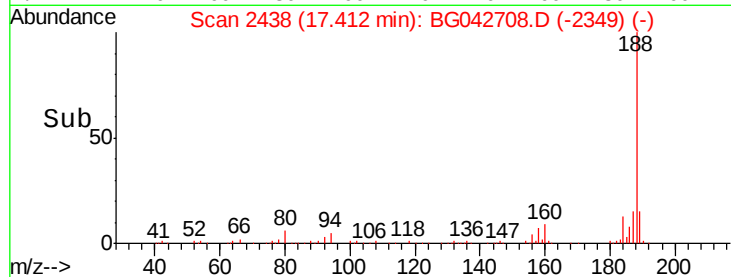
0

17.41

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.262 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042708.D

Acq: 4 Sep 2019 15:25

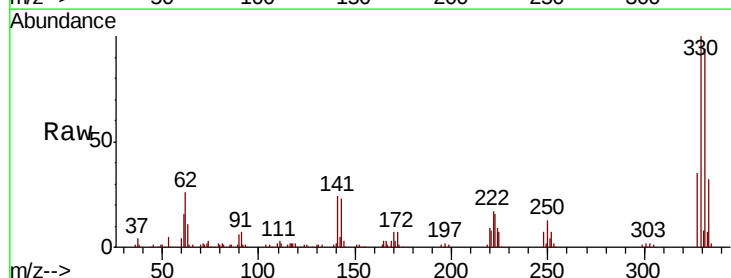
Tgt Ion:248 Resp: 10169

Ion Ratio Lower Upper

248 100

250 179.9 78.9 118.3#

141 336.4 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

30000

25000

20000

15000

10000

5000

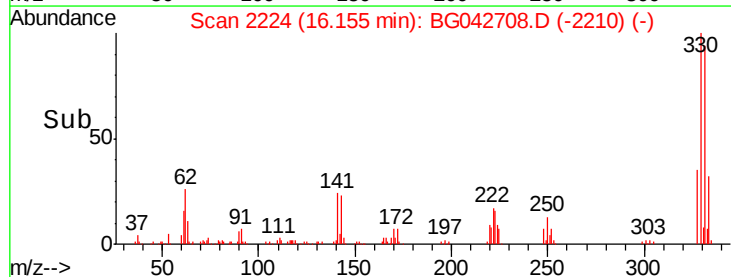
0

16.15

16.10

16.20

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042708.D

Acq: 4 Sep 2019 15:25

Instrument :

BNA_G

ClientSampleId :

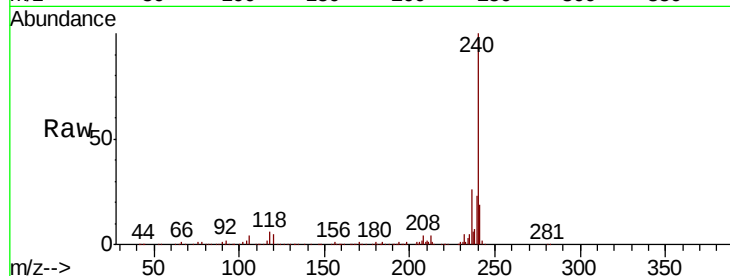
Tot Ion:240 Resp: 273425

Ion Ratio Lower Upper

240 100

120 5.1 5.7 8.5#

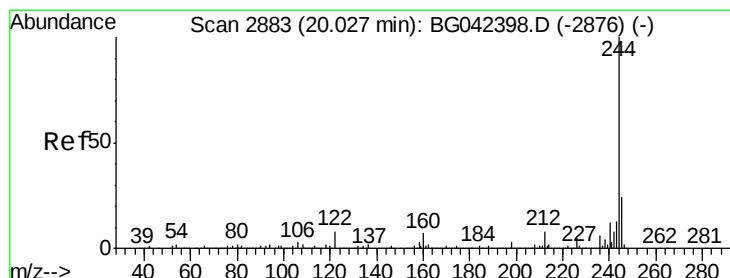
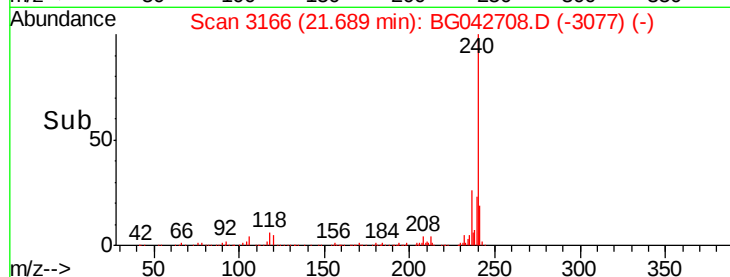
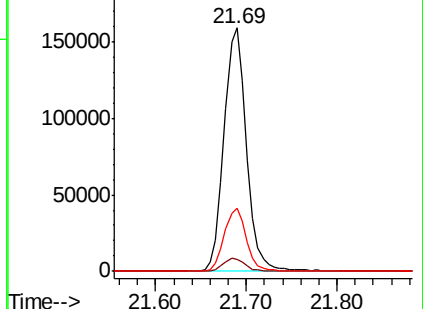
236 25.7 21.0 31.4



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



#79

Terphenyl-d14

Concen: 93.965 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042708.D

Acq: 4 Sep 2019 15:25

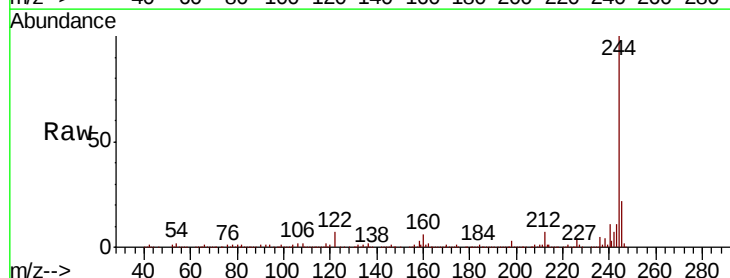
Tgt Ion:244 Resp: 1188401

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

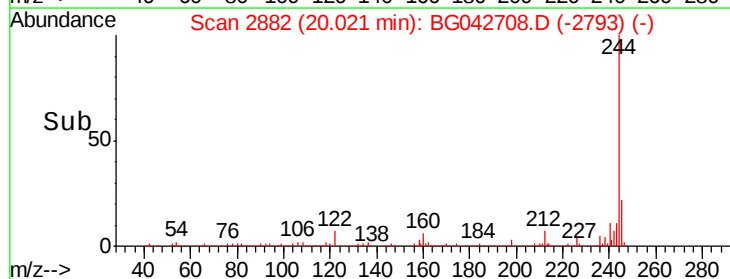
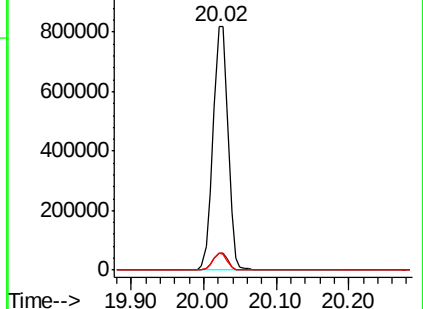
122 7.1 6.7 10.1

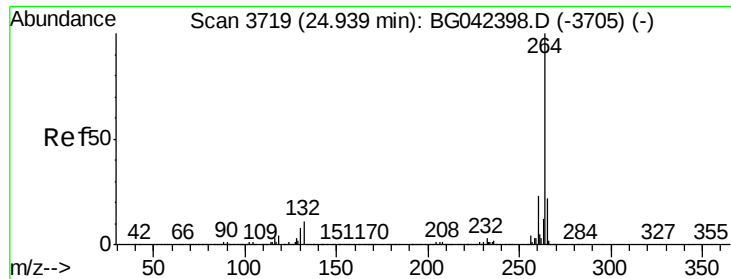


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG042708.D
 Acq: 4 Sep 2019 15:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	21.6	17.6	26.4

