

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042637.D
 Acq On : 31 Aug 2019 16:29
 Operator : HP/JU
 Sample : K4577-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 00:12:32 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

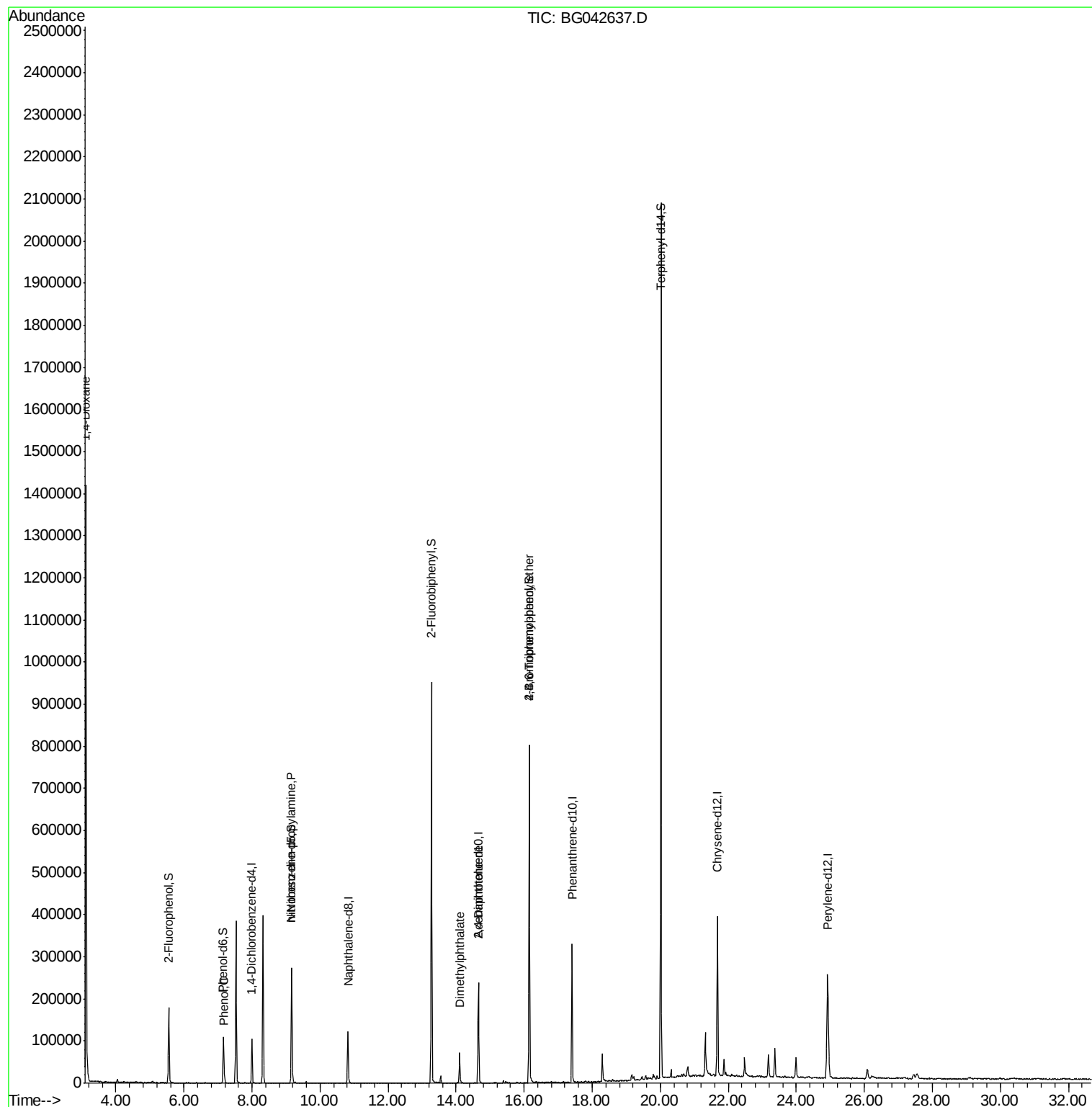
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	35584	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	132167	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	98505	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	229015	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	246104	20.00	ng	-0.01
87) Perylene-d12	24.92	264	287717	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	96180	54.74	ng	0.00
7) Phenol-d6	7.16	99	75317	31.74	ng	-0.01
23) Nitrobenzene-d5	9.16	82	177396	92.75	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	200390	143.13	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	580923	99.74	ng	0.00
79) Terphenyl-d14	20.02	244	1062790	93.36	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	11967	16.321	ng	Qvalue # 1
10) Phenol	7.19	94	7730	3.203	ng	90
19) n-Nitroso-di-n-propylamine	9.16	70	23325	15.170	ng	# 73
50) Dimethylphthalate	14.10	163	60570	8.522	ng	99
57) 2,4-Dinitrotoluene	14.66	165	13021	5.519	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13338	4.592	ng	# 1

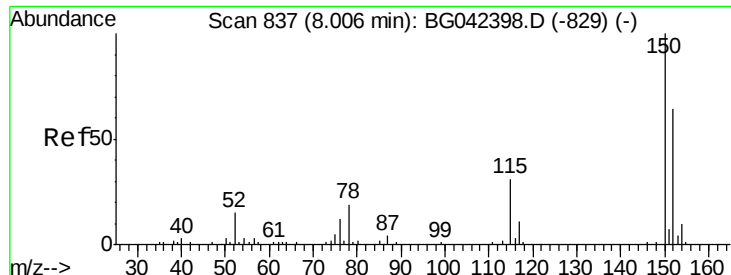
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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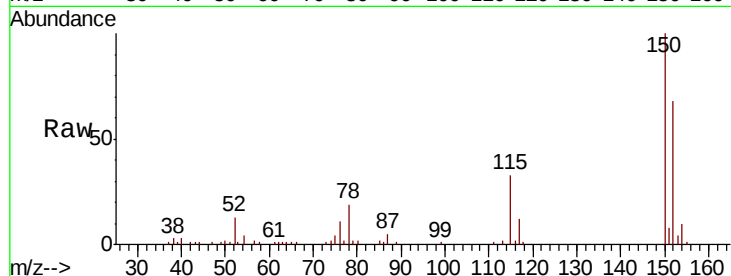


#1

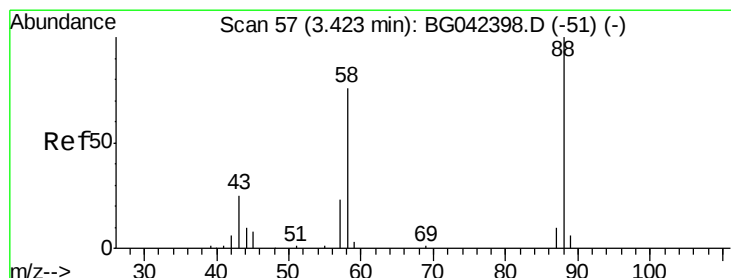
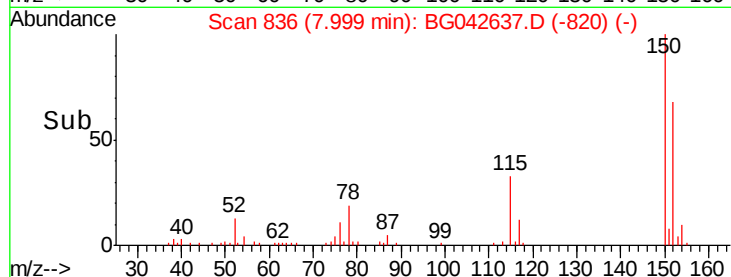
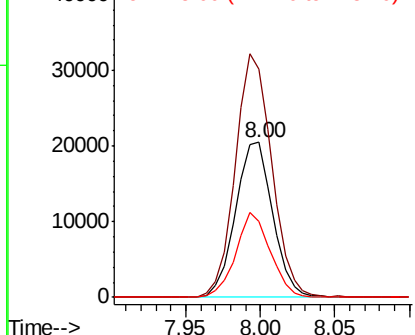
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35584
Ion Ratio Lower Upper
152 100
150 147.4 125.4 188.0
115 48.8 38.5 57.7



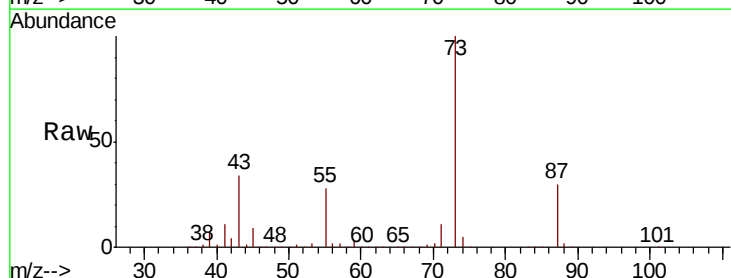
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



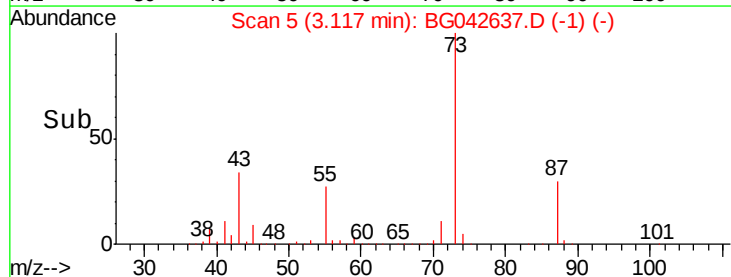
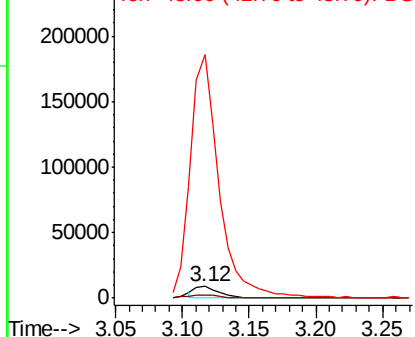
#2

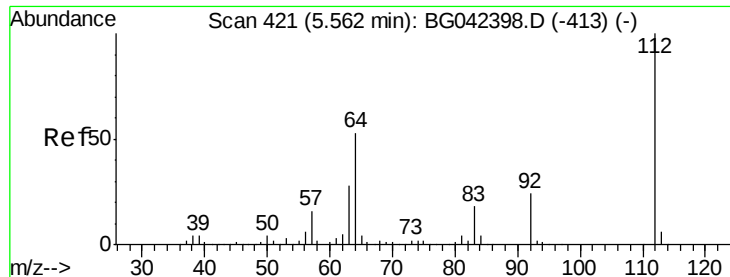
1,4-Dioxane
Concen: 16.321 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

Tgt Ion: 88 Resp: 11967
Ion Ratio Lower Upper
88 100
58 25.8 58.3 87.5#
43 1937.2 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: 54.742 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

Instrument :

BNA_G

ClientSampleId :

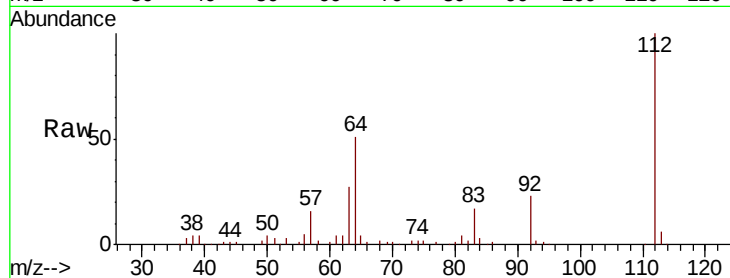
Tot Ion: 112 Resp: 96180

Ion Ratio Lower Upper

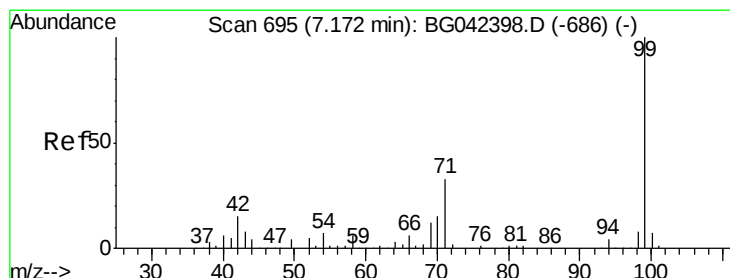
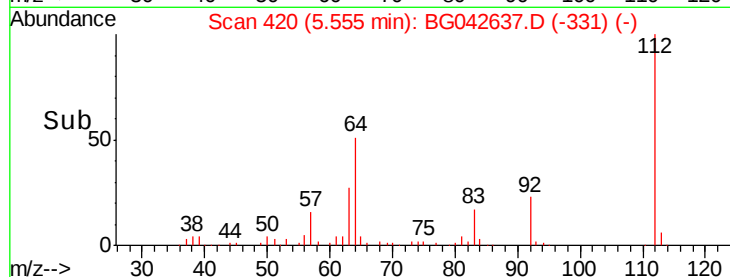
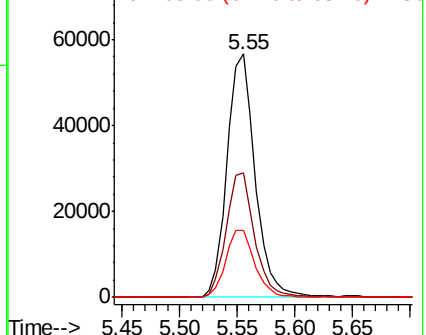
112 100

64 51.2 42.8 64.2

63 27.3 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 31.735 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

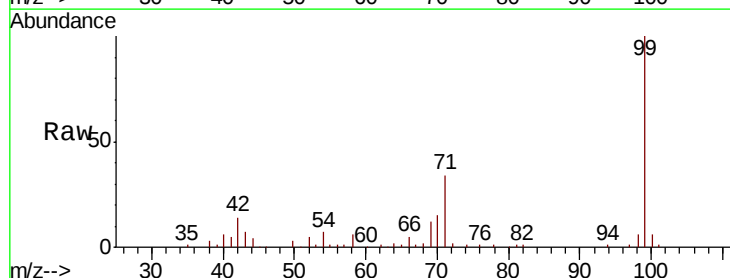
Tgt Ion: 99 Resp: 75317

Ion Ratio Lower Upper

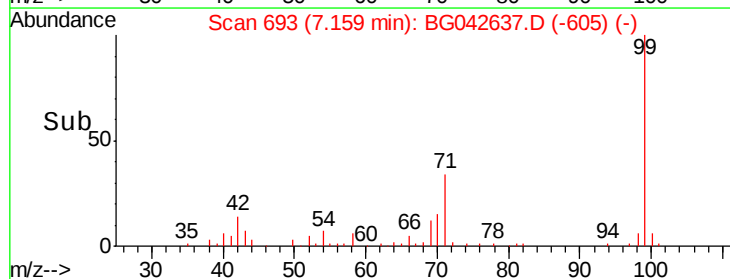
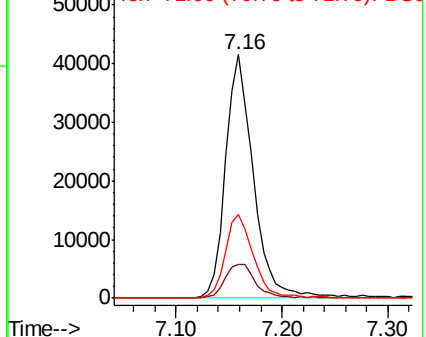
99 100

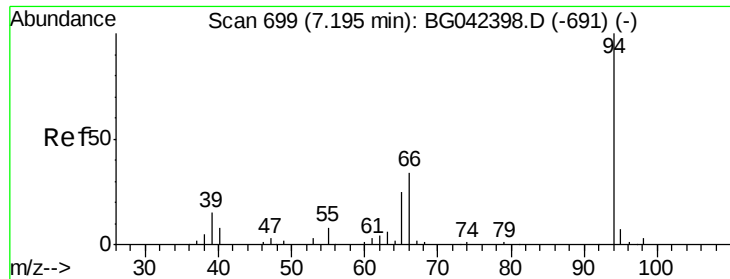
42 13.7 12.0 18.0

71 34.2 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

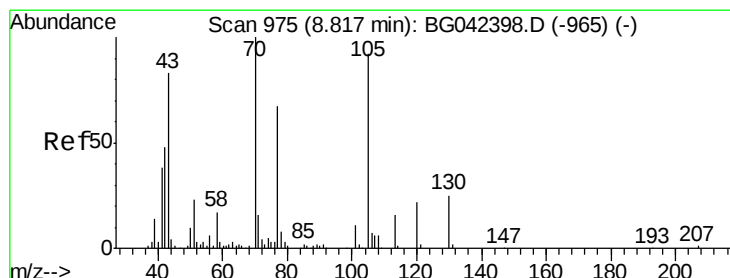
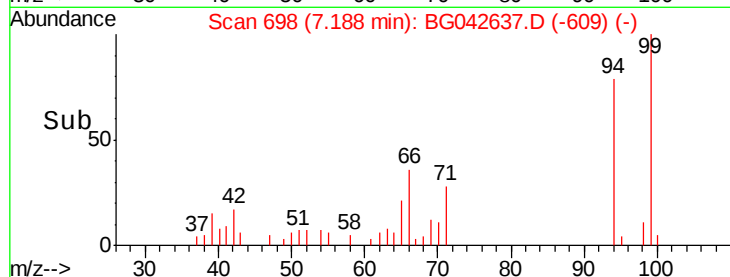
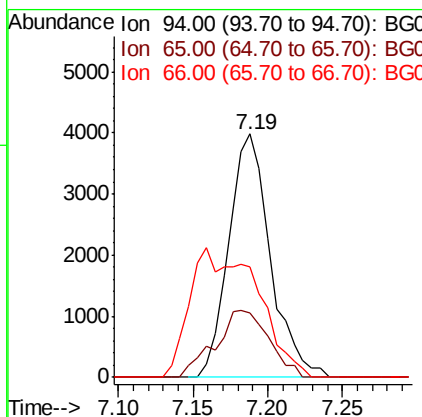
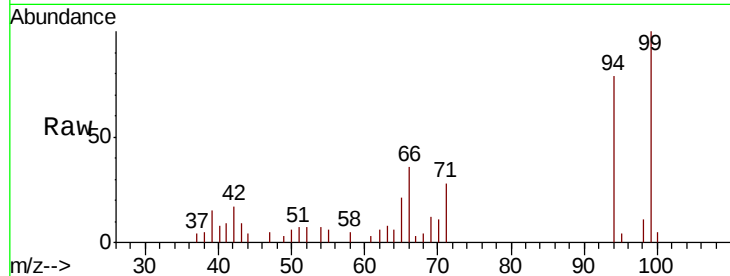




#10
Phenol
Concen: 3.203 ng
RT: 7.19 min Scan# 698
Delta R.T. -0.01 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

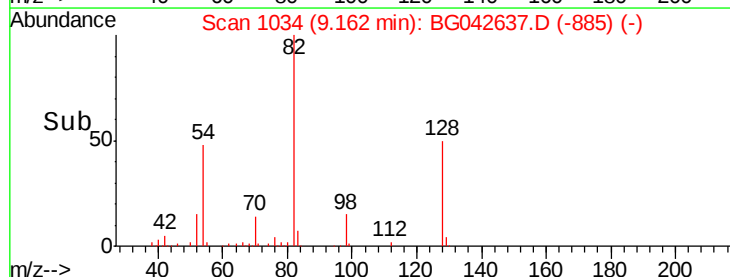
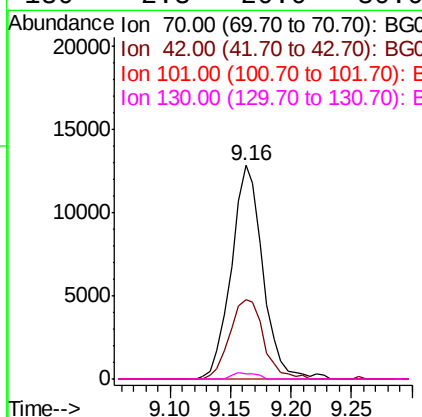
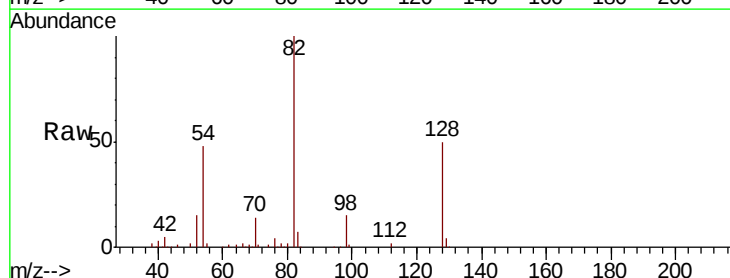
Instrument :
BNA_G
ClientSampled :

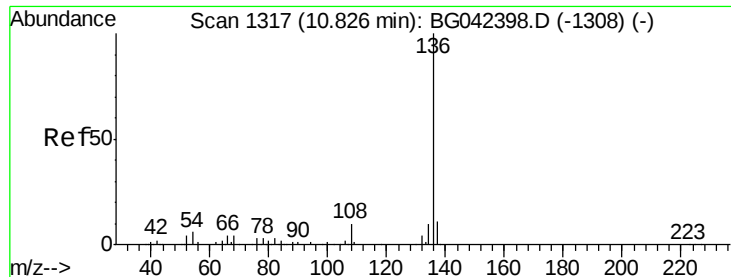
Tot Ion: 94 Resp: 7730
Ion Ratio Lower Upper
94 100
65 26.2 5.6 45.6
66 45.6 16.0 56.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.170 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

Tgt Ion: 70 Resp: 23325
Ion Ratio Lower Upper
70 100
42 37.1 38.8 58.2#
101 0.0 9.0 13.6#
130 2.3 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: BG042637.D

Acq: 31 Aug 2019 16:29

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 132167

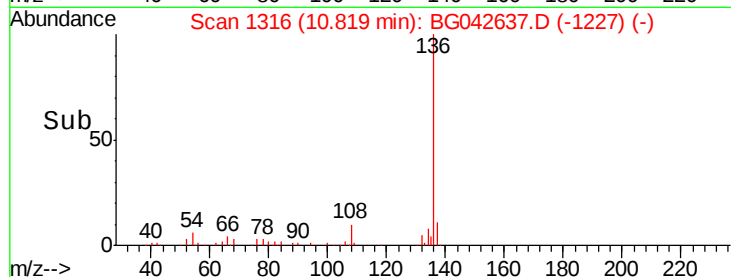
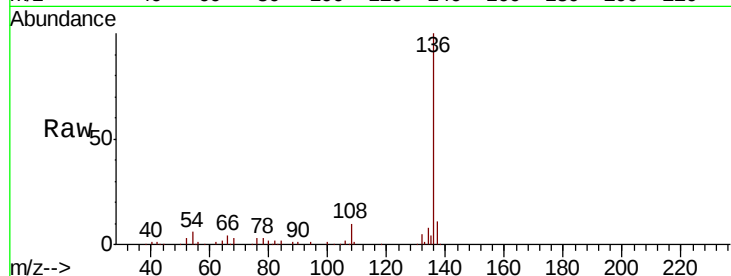
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 5.9 4.9 7.3

68 3.5 3.6 5.4#

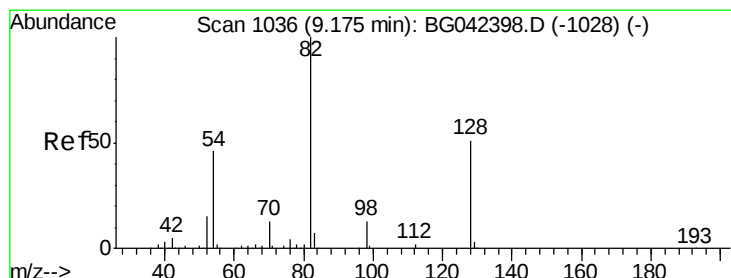
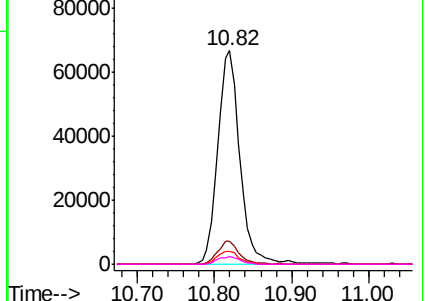


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.752 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

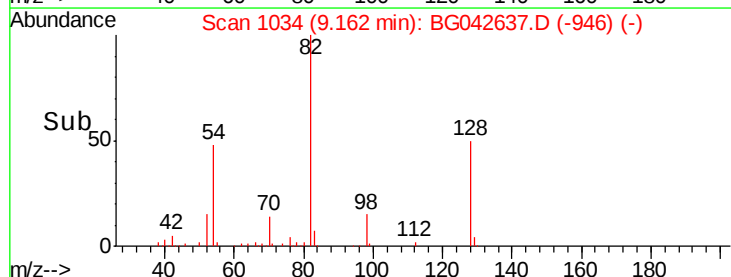
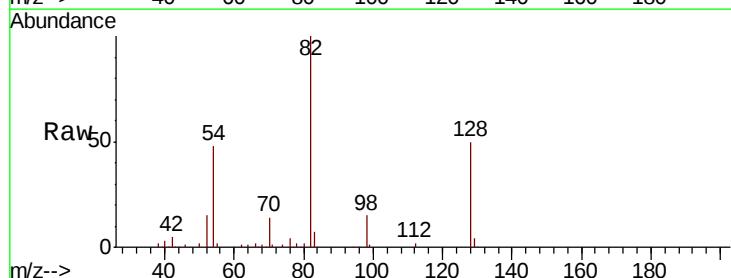
Tgt Ion: 82 Resp: 177396

Ion Ratio Lower Upper

82 100

128 49.6 40.7 61.1

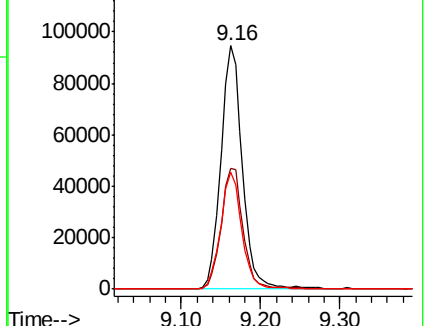
54 47.8 36.3 54.5

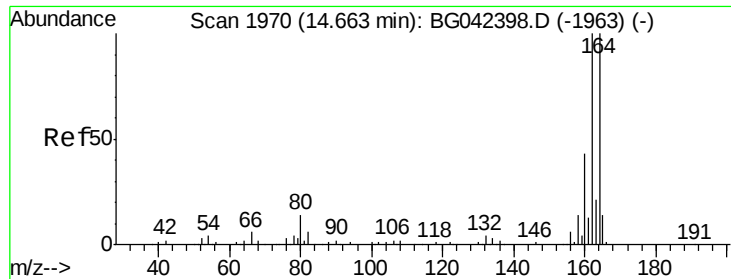


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG042637.D

Acq: 31 Aug 2019 16:29

Instrument :

BNA_G

ClientSampleId :

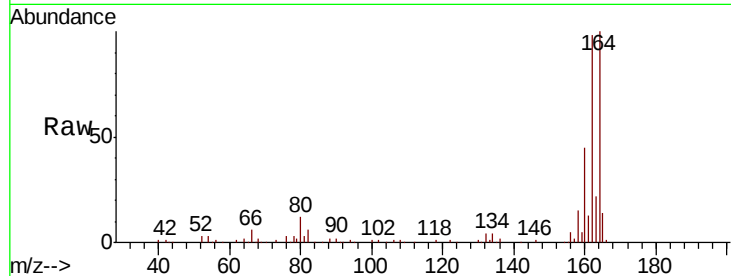
Tot Ion:164 Resp: 98505

Ion Ratio Lower Upper

164 100

162 98.1 79.9 119.9

160 44.6 34.3 51.5

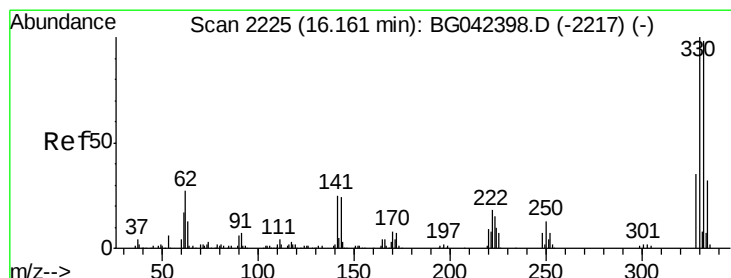
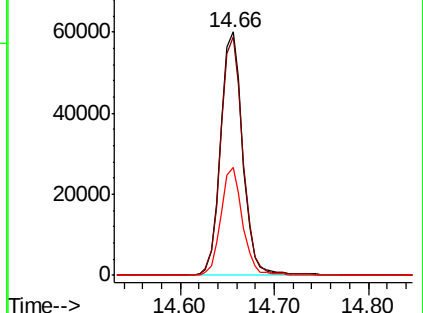
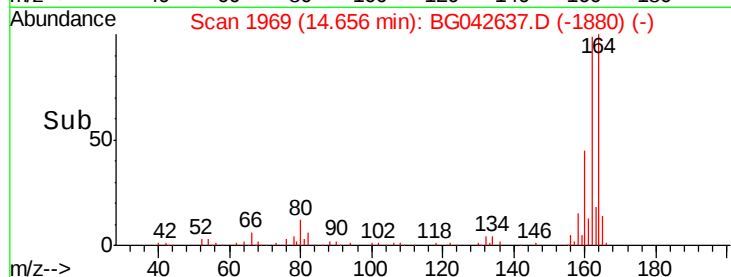


Abundance

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: 143.127 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

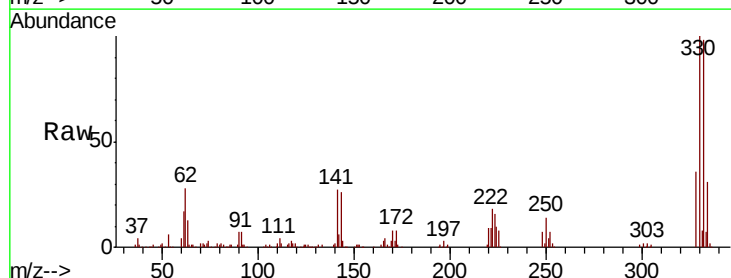
Tgt Ion:330 Resp: 200390

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.0

141 27.2 21.4 32.0

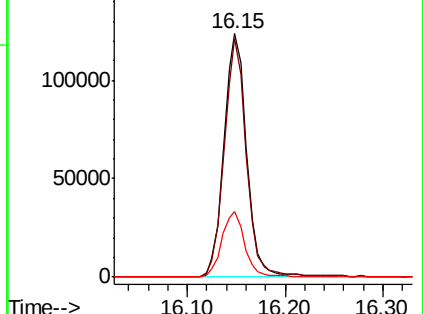
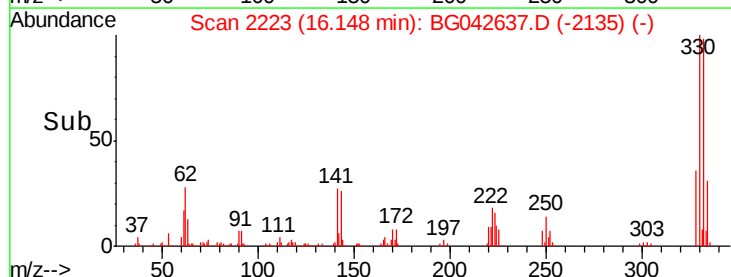


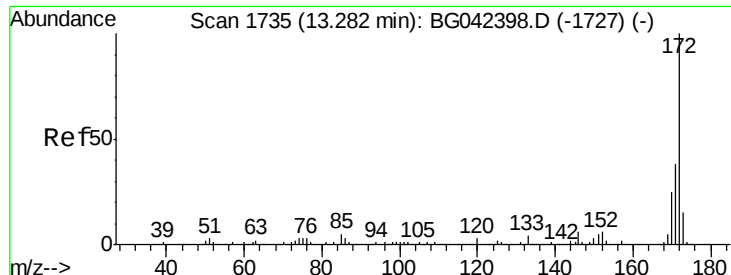
Abundance

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

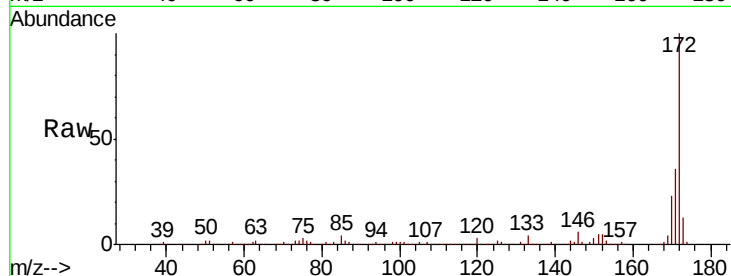




#45
2-Fluorobiphenyl
Concen: 99.742 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	23.4	20.2	30.2

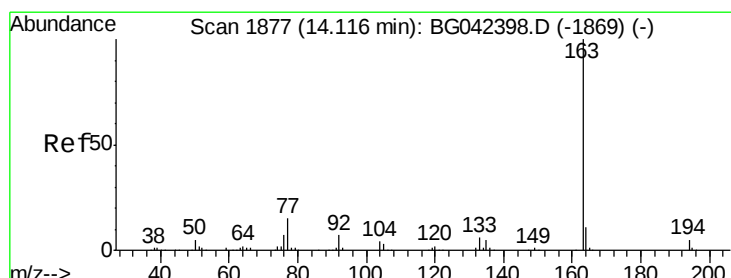
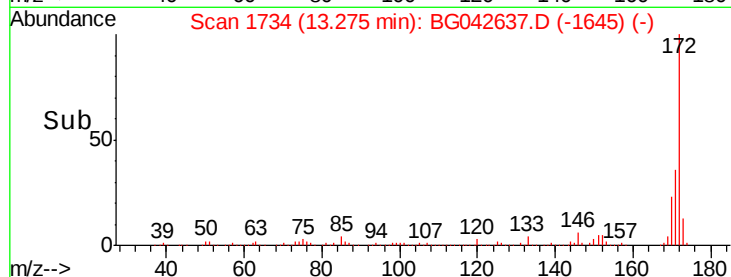
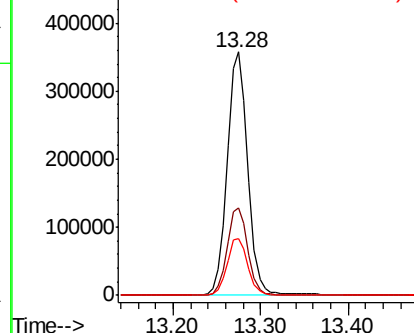


Abundance

Ion 172.00 (171.70 to 172.70): E

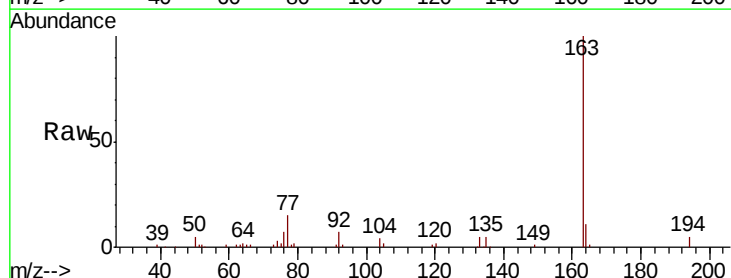
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.522 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042637.D
Acq: 31 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	11.3	8.8	13.2

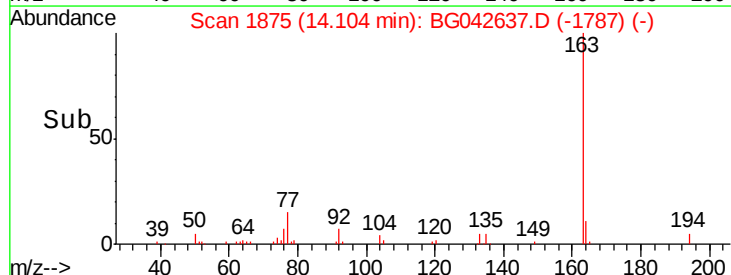
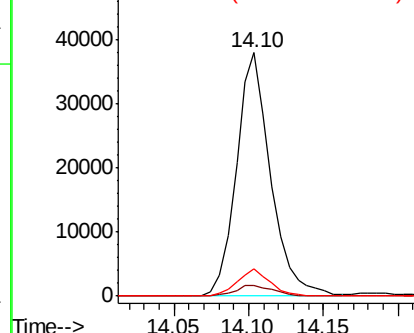


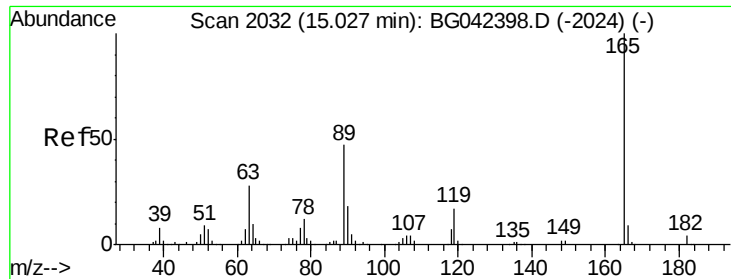
Abundance

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

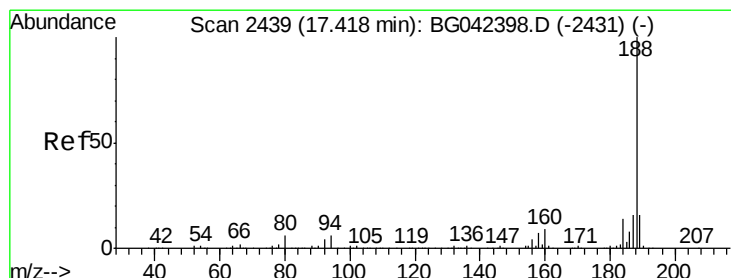
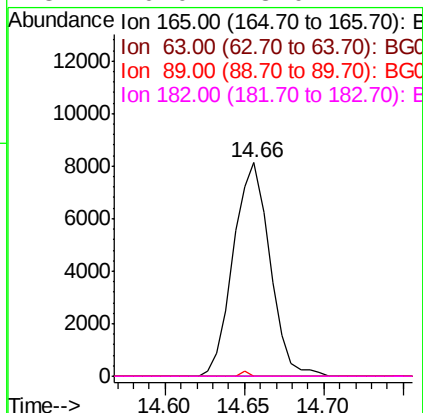
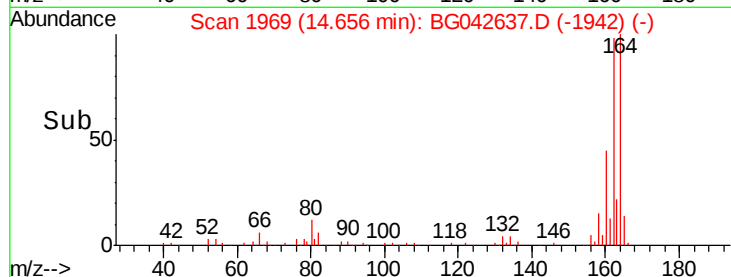
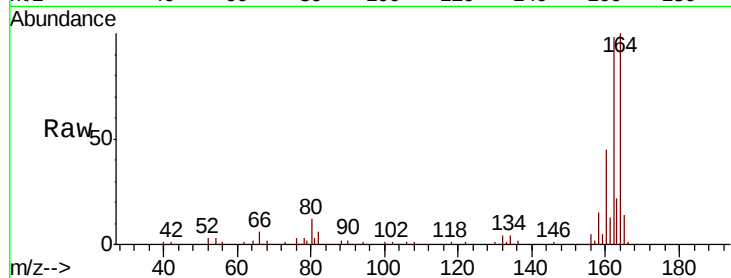




#57
 2,4-Dinitrotoluene
 Concen: 5.519 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042637.D
 Acq: 31 Aug 2019 16:29

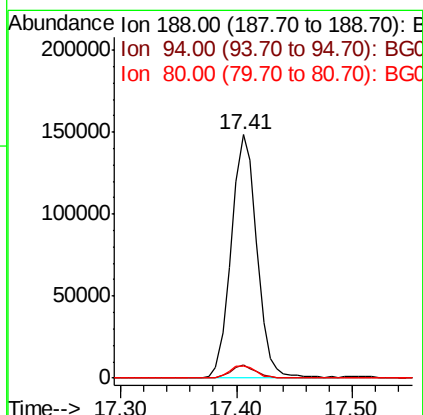
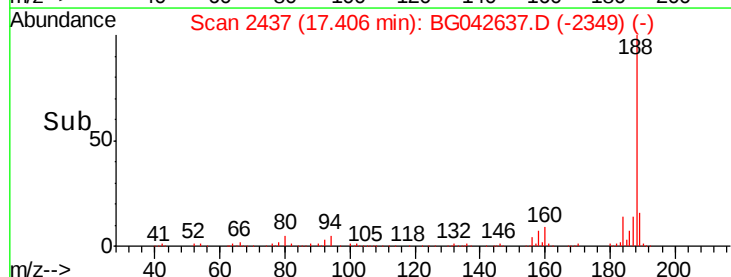
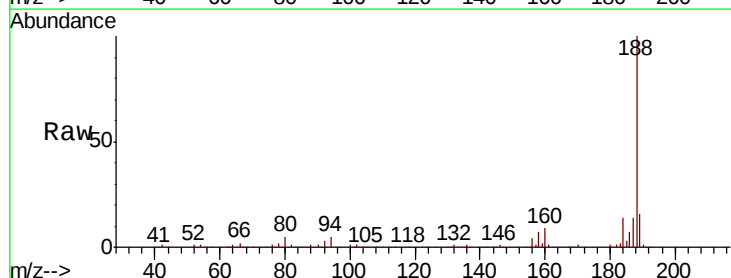
Instrument :
 BNA_G
 ClientSampleId :

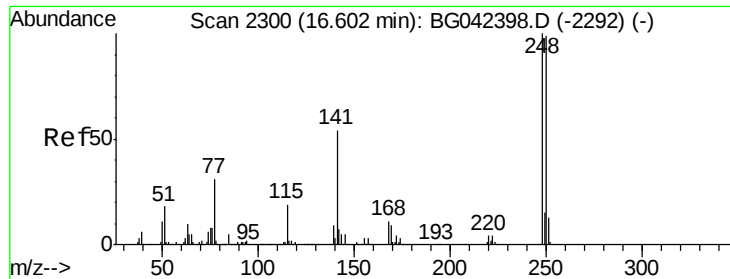
Tot Ion:165	Resp:	13021
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.5 33.7#
89	0.0	37.8 56.6#
182	0.0	3.0 4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042637.D
 Acq: 31 Aug 2019 16:29

Tgt Ion:188	Resp:	229015
Ion Ratio	Lower	Upper
188	100	
94	5.2	4.5 6.7
80	5.1	4.9 7.3

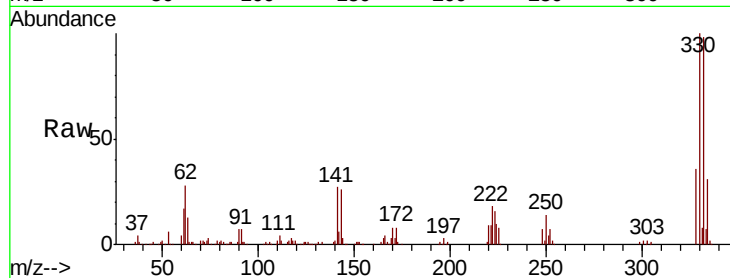




#67
 4-Bromophenyl-phenylether
 Concen: 4.592 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042637.D
 Acq: 31 Aug 2019 16:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.7	78.9	118.3#
141	380.7	43.3	64.9#

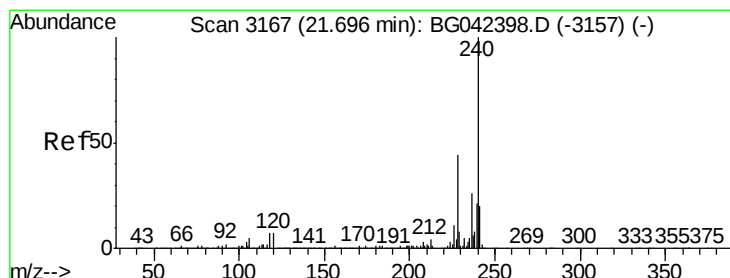
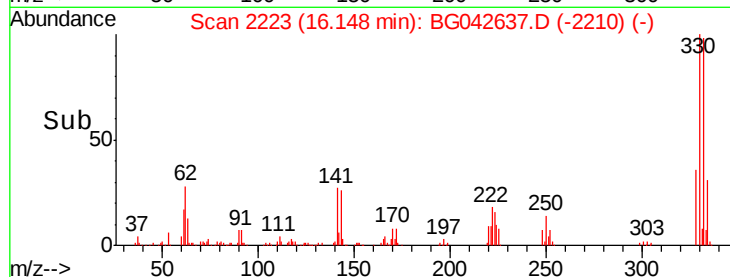
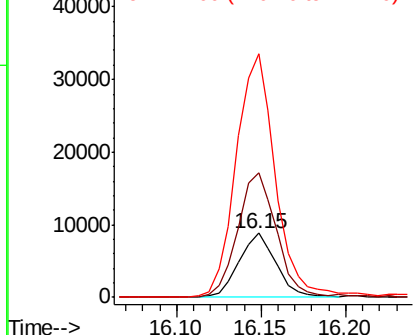


Abundance

Ion 248.00 (247.70 to 248.70): E

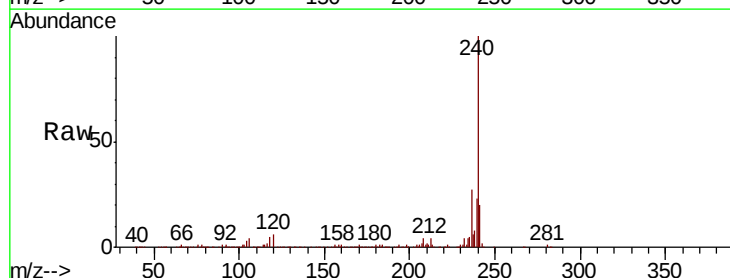
Ion 250.00 (249.70 to 250.70): E

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: BG042637.D
 Acq: 31 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	26.7	21.0	31.4

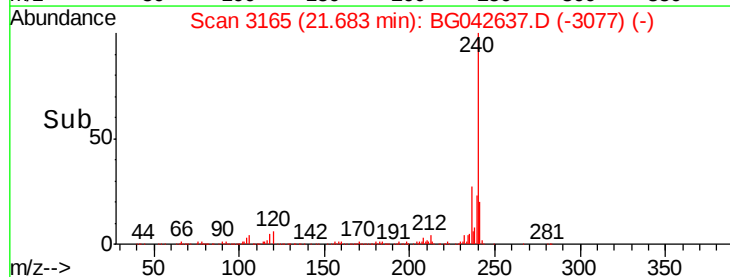
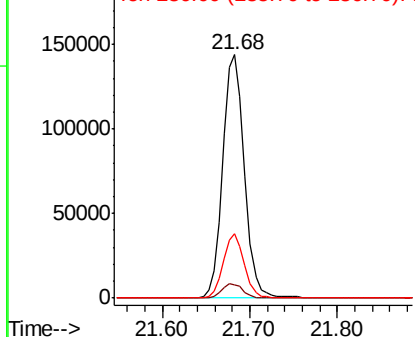


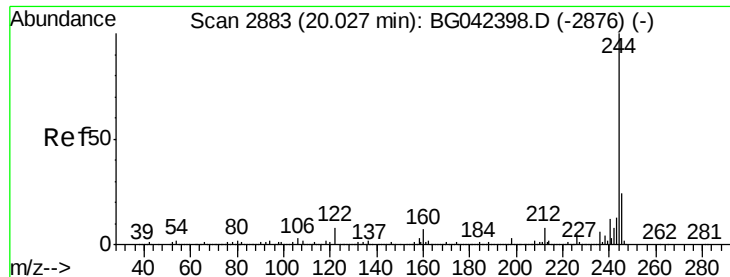
Abundance

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: 93.362 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

Instrument :

BNA_G

ClientSampled :

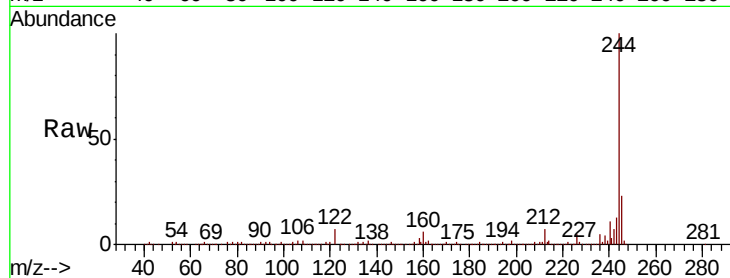
Tot Ion:244 Resp: 1062790

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

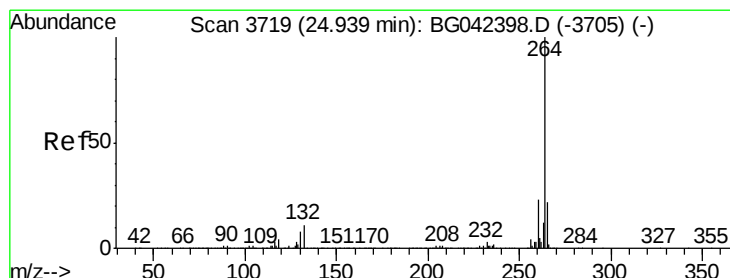
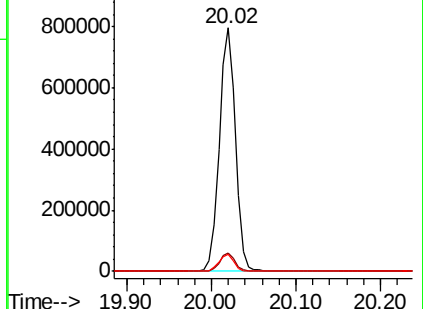
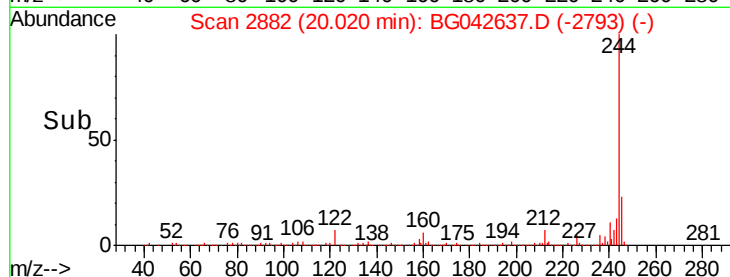
122 7.0 6.7 10.1



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042637.D

Acq: 31 Aug 2019 16:29

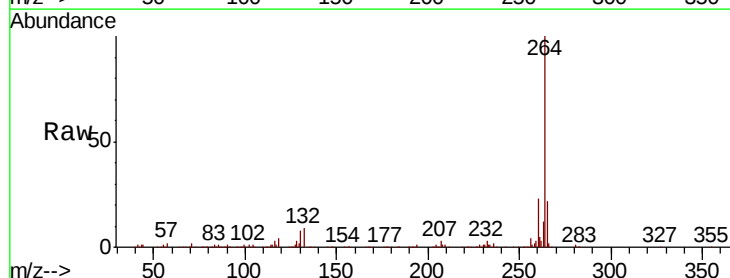
Tgt Ion:264 Resp: 287717

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.3 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

