

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042689.D
 Acq On : 3 Sep 2019 15:17
 Operator : HP/JU
 Sample : K4554-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:05:24 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

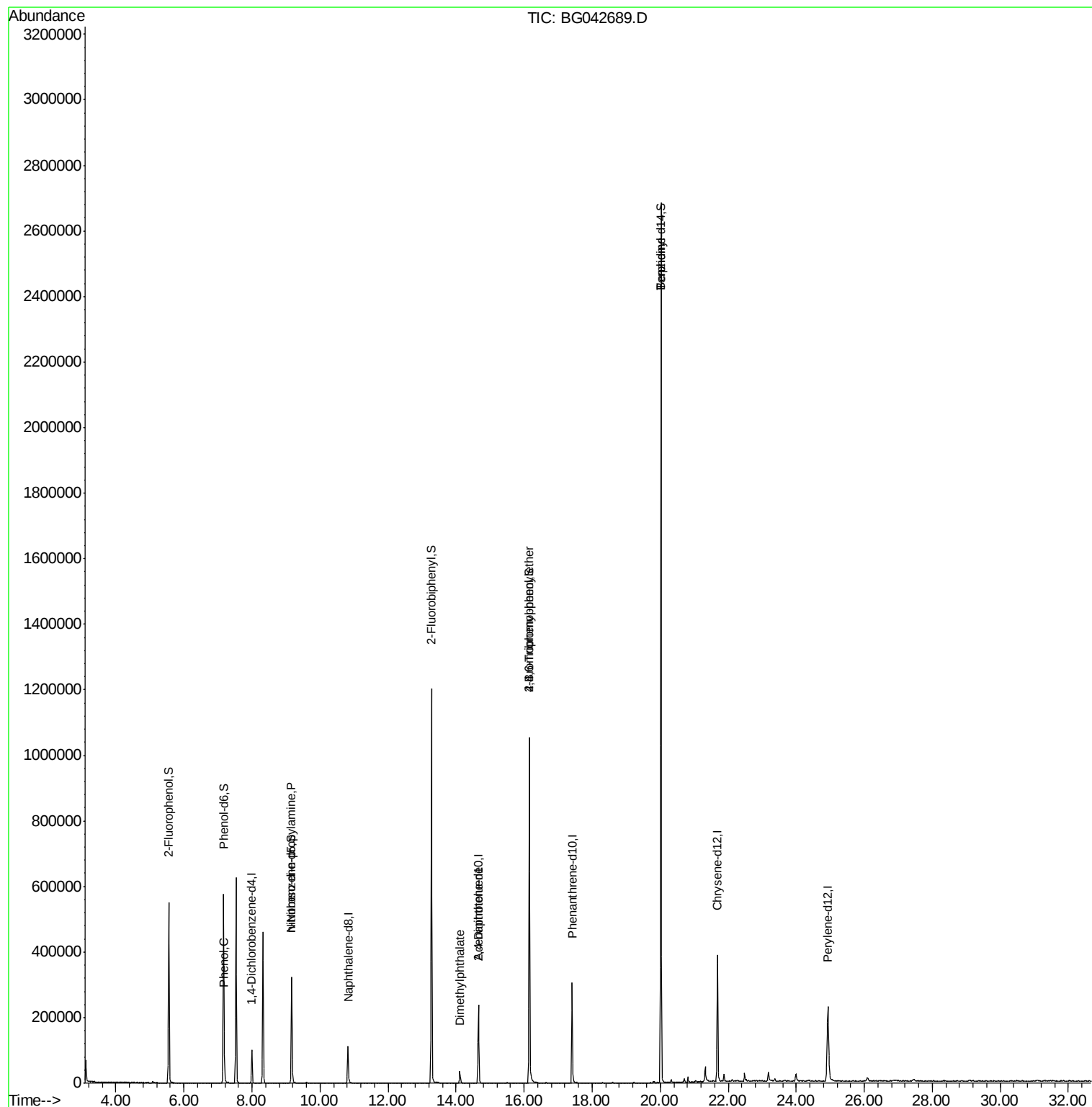
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	34214	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	128420	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	100081	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	239669	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	264797	20.00	ng	-0.01
87) Perylene-d12	24.93	264	309620	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	274099	162.25	ng	0.00
7) Phenol-d6	7.17	99	375691	164.64	ng	0.00
23) Nitrobenzene-d5	9.16	82	213972	115.14	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	284986	200.34	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	748182	126.44	ng	0.00
79) Terphenyl-d14	20.02	244	1448966	118.30	ng	0.00
Target Compounds						
10) Phenol	7.19	94	20620	8.887	ng	85
19) n-Nitroso-di-n-propylamine	9.17	70	28712	19.422	ng	# 73
50) Dimethylphthalate	14.11	163	46351	6.419	ng	100
57) 2,4-Dinitrotoluene	14.65	165	12650	5.278	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	19836	6.525	ng	# 1
77) Benzidine	20.02	184	18259	2.405	ng	# 93

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

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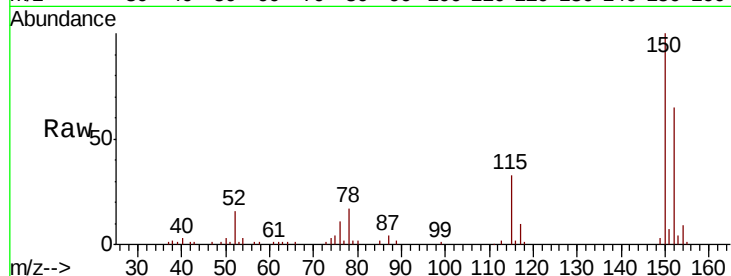


#1

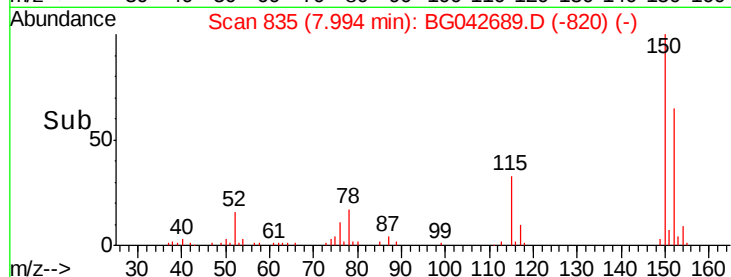
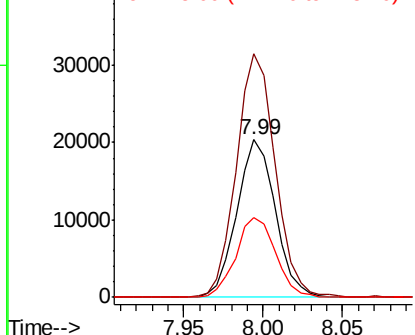
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042689.D
Acq: 3 Sep 2019 15:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34214
Ion Ratio Lower Upper
152 100
150 154.8 125.4 188.0
115 50.8 38.5 57.7



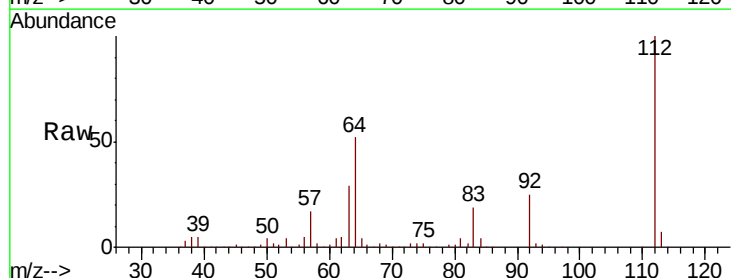
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



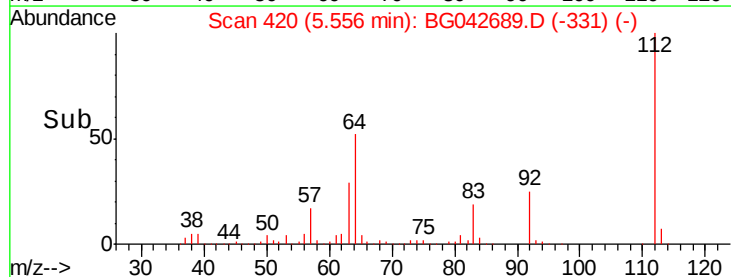
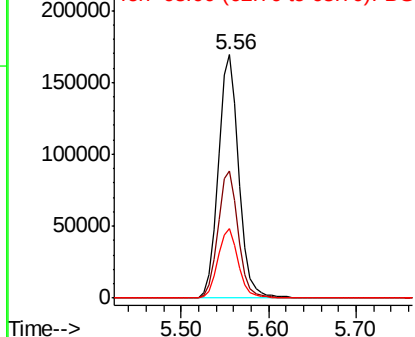
#5

2-Fluorophenol
Concen: 162.252 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042689.D
Acq: 3 Sep 2019 15:17

Tgt Ion:112 Resp: 274099
Ion Ratio Lower Upper
112 100
64 52.3 42.8 64.2
63 28.6 22.7 34.1



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: 164.639 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

Instrument :

BNA_G

ClientSampled :

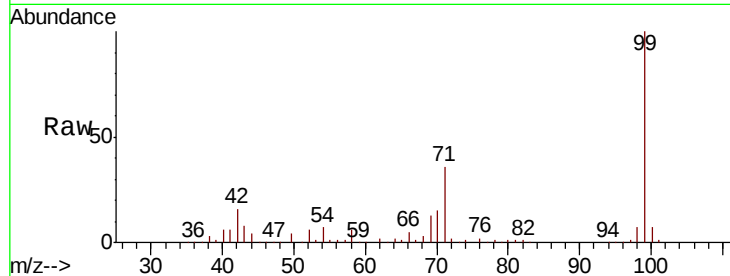
Tot Ion: 99 Resp: 375691

Ion Ratio Lower Upper

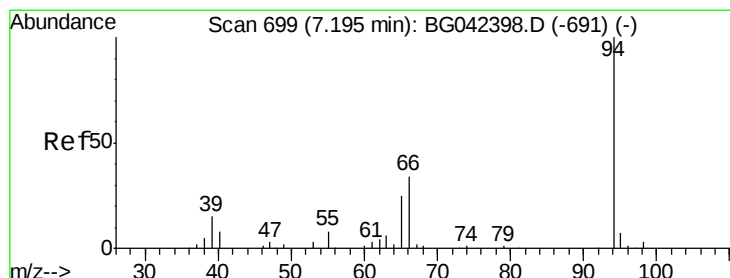
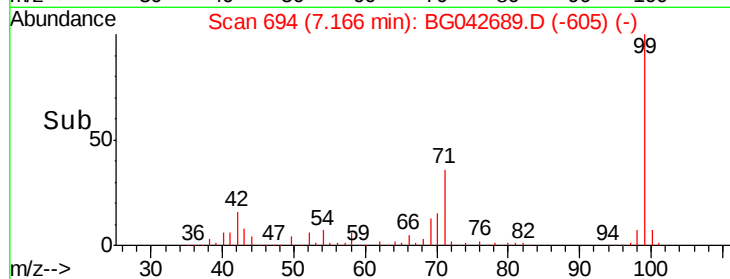
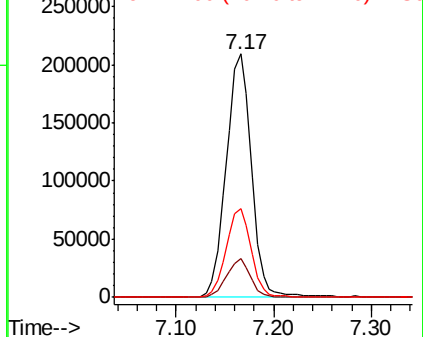
99 100

42 15.7 12.0 18.0

71 36.3 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: 8.887 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

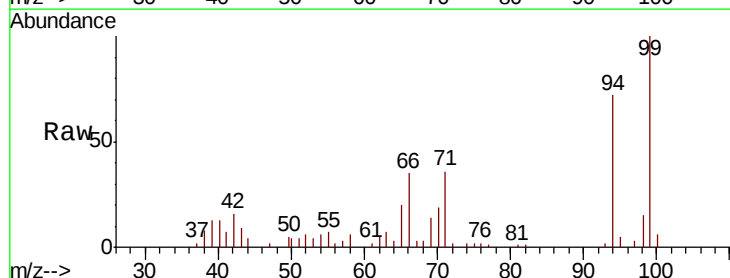
Tgt Ion: 94 Resp: 20620

Ion Ratio Lower Upper

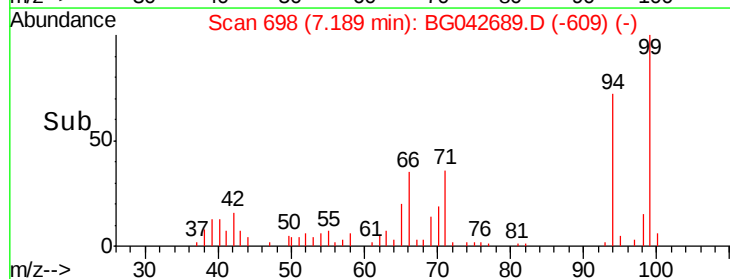
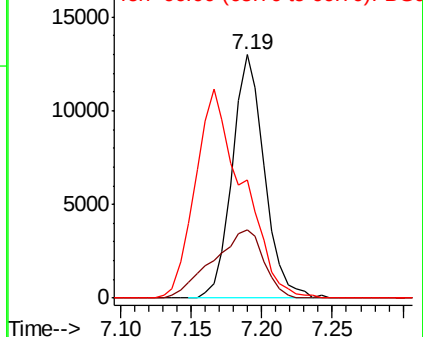
94 100

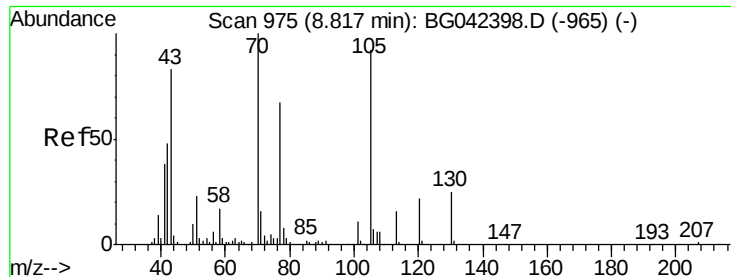
65 28.2 5.6 45.6

66 48.6 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

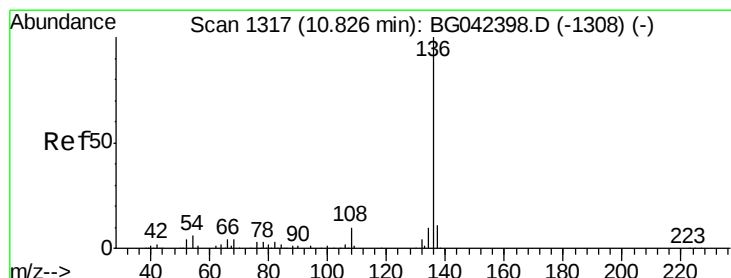
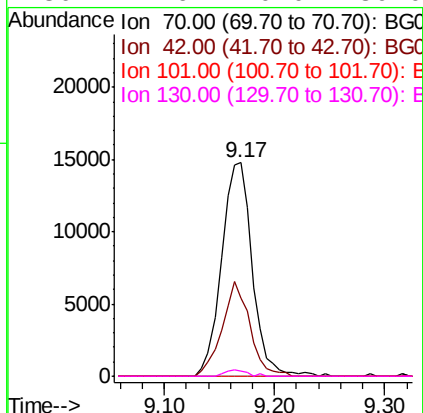
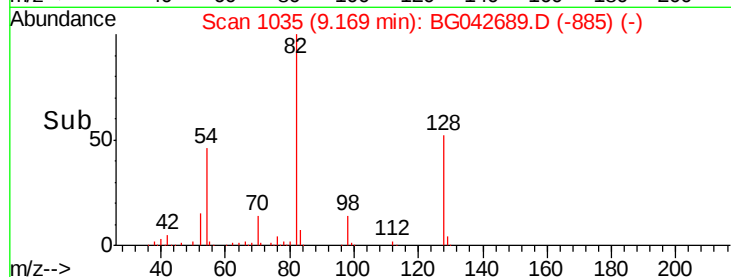
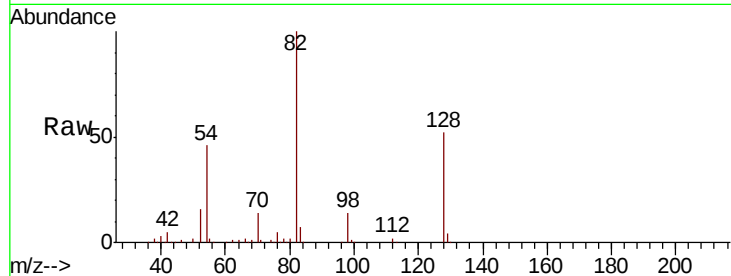




#19
n-Nitroso-di-n-propylamine
Concen: 19.422 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042689.D
Acq: 3 Sep 2019 15:17

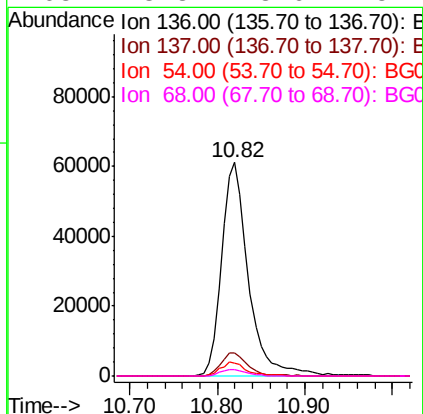
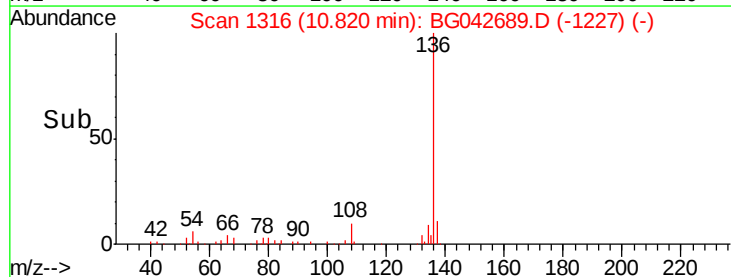
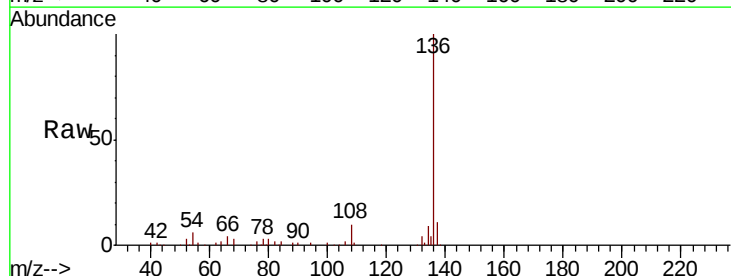
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 28712
Ion Ratio Lower Upper
70 100
42 36.4 38.8 58.2#
101 0.0 9.0 13.6#
130 2.6 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: BG042689.D
Acq: 3 Sep 2019 15:17

Tgt Ion: 136 Resp: 128420
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.1 4.9 7.3
68 3.3 3.6 5.4#

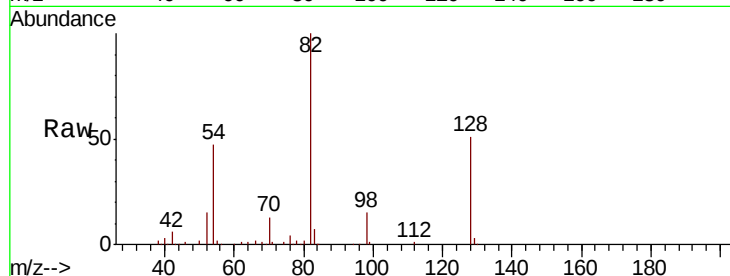




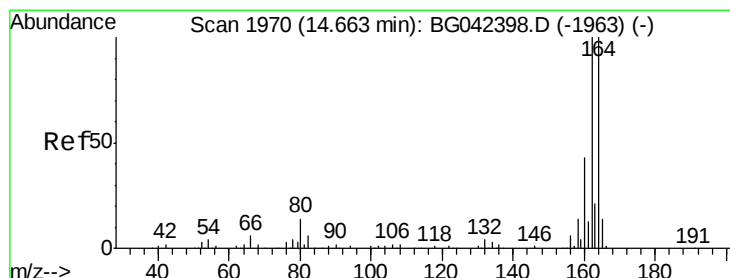
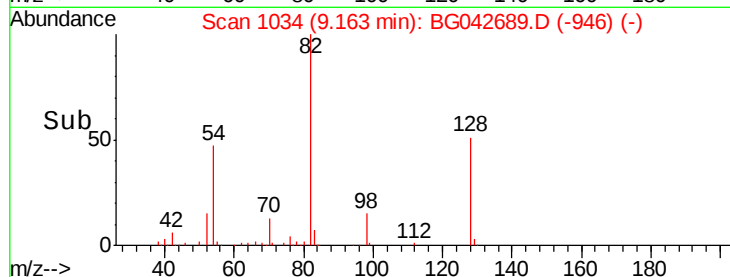
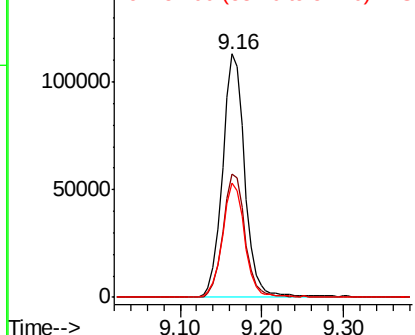
#23
Nitrobenzene-d5
Concen: 115.140 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042689.D
Acq: 3 Sep 2019 15:17

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 213972
Ion Ratio Lower Upper
82 100
128 50.7 40.7 61.1
54 47.1 36.3 54.5

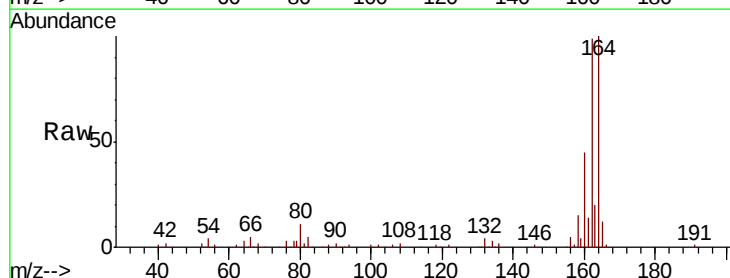


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

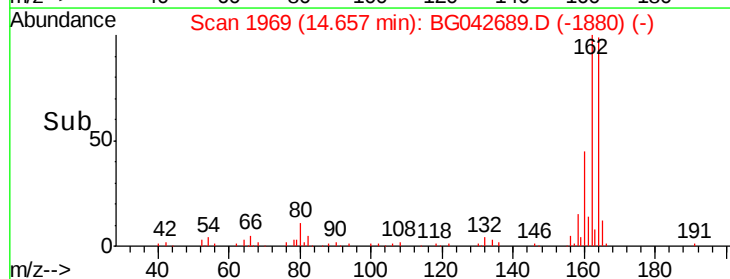
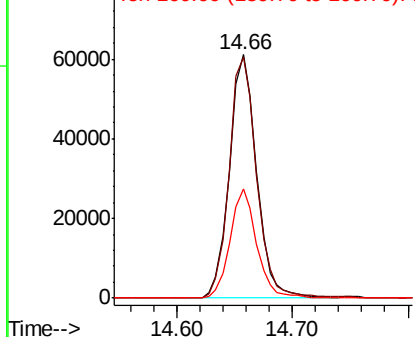


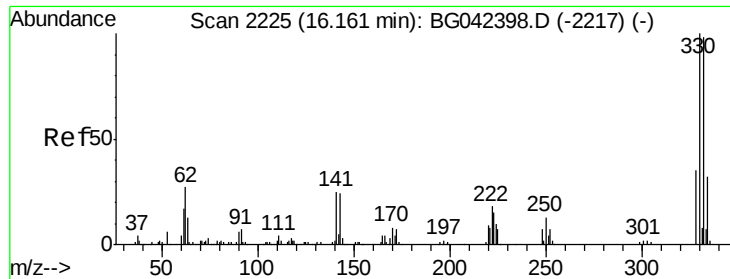
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042689.D
Acq: 3 Sep 2019 15:17

Tgt Ion: 164 Resp: 100081
Ion Ratio Lower Upper
164 100
162 99.1 79.9 119.9
160 44.7 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

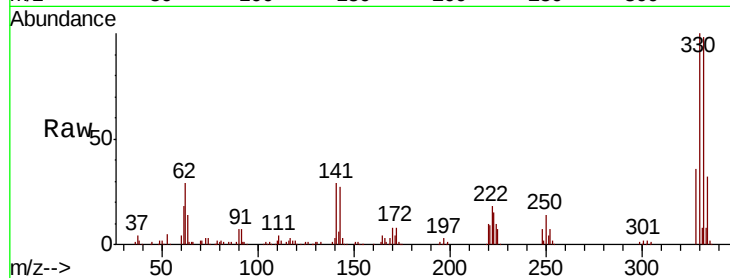




#42
 2,4,6-Tribromophenol
 Concen: 200.343 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042689.D
 Acq: 3 Sep 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	26.6	21.4	32.0

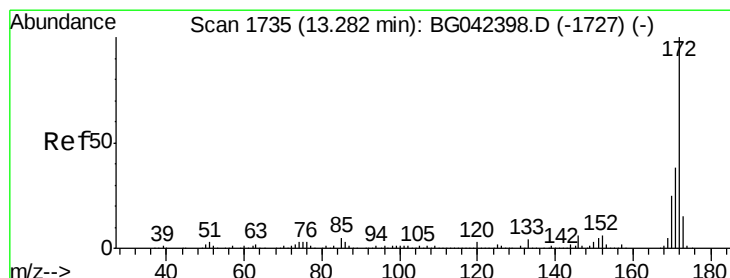
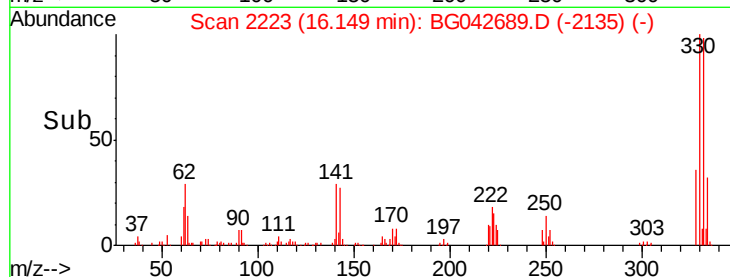
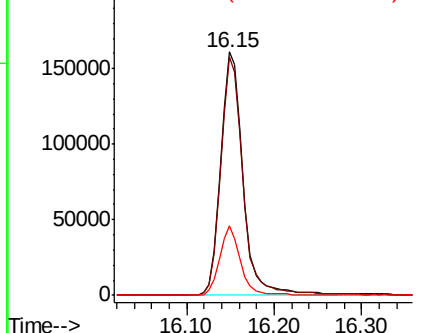


Abundance

Ion 329.80 (329.50 to 330.50): E

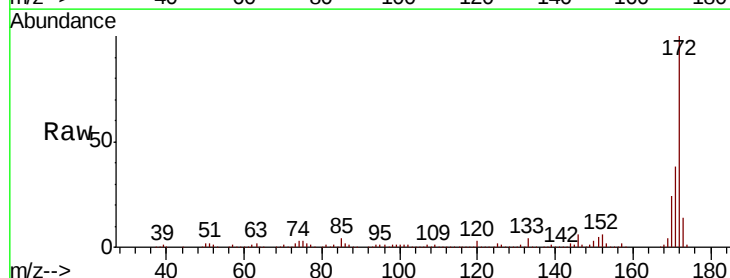
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 126.436 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042689.D
 Acq: 3 Sep 2019 15:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.5	45.7
170	24.4	20.2	30.2

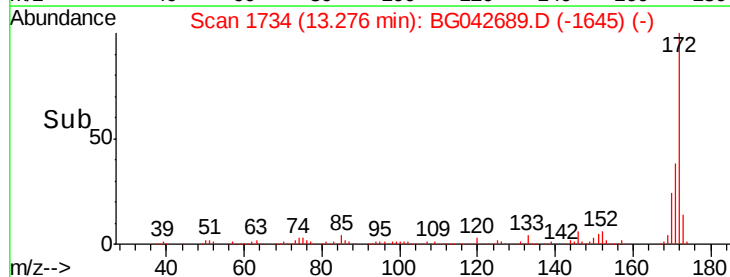
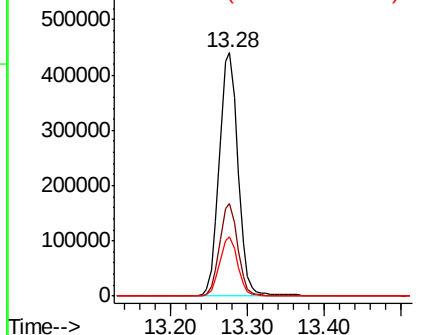


Abundance

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





#50

Dimethylphthalate

Concen: 6.419 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

Instrument :

BNA_G

ClientSampled :

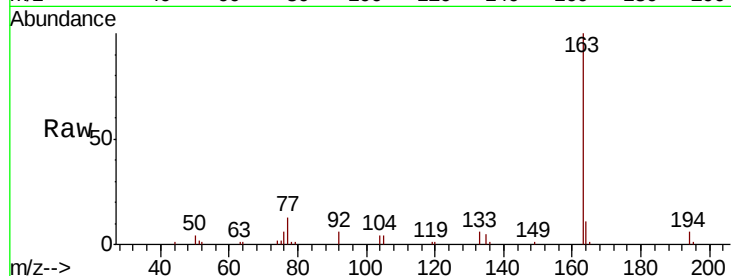
Tot Ion:163 Resp: 46351

Ion Ratio Lower Upper

163 100

194 5.7 4.2 6.2

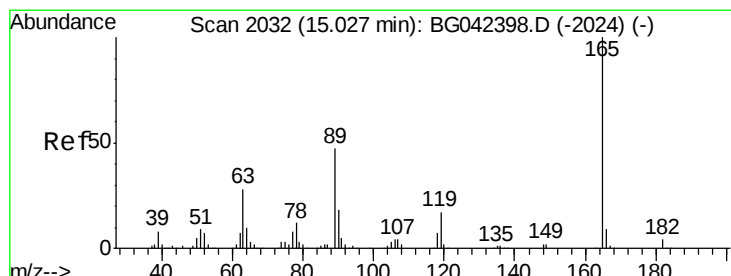
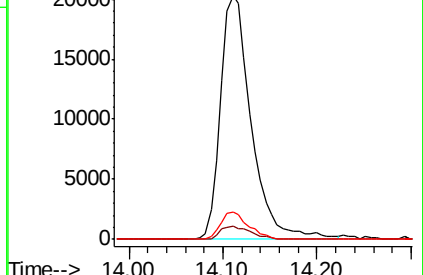
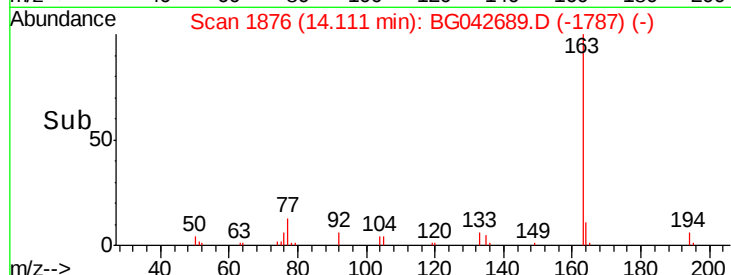
164 11.0 8.8 13.2



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: 5.278 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.38 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

Tgt Ion:165 Resp: 12650

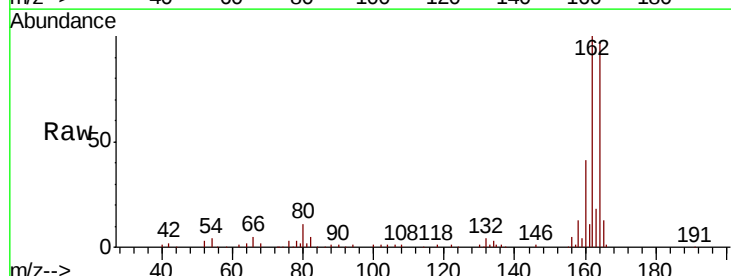
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

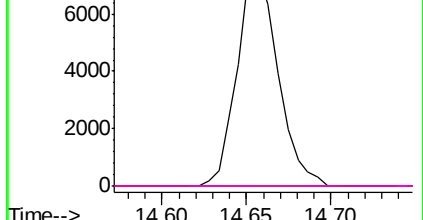
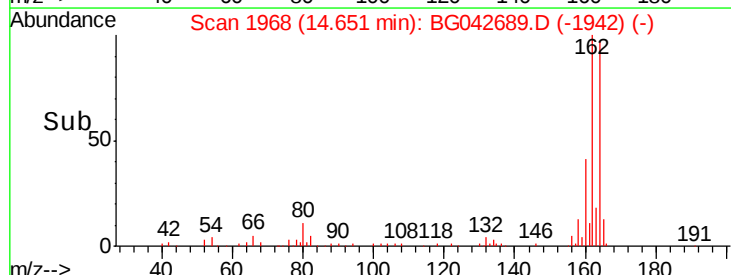


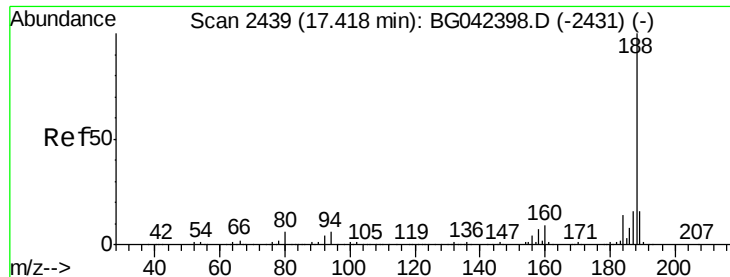
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

Instrument :

BNA_G

ClientSampleId :

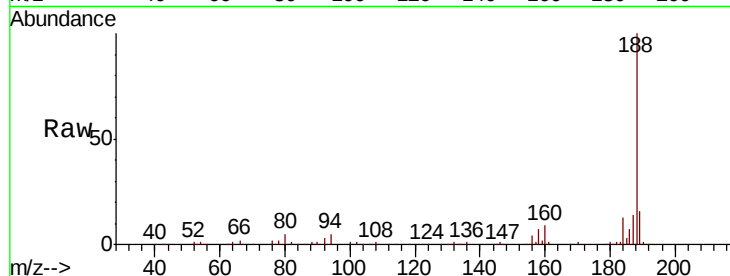
Tot Ion:188 Resp: 239669

Ion Ratio Lower Upper

188 100

94 4.5 4.5 6.7

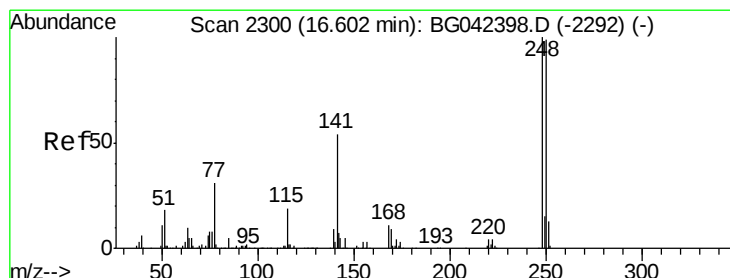
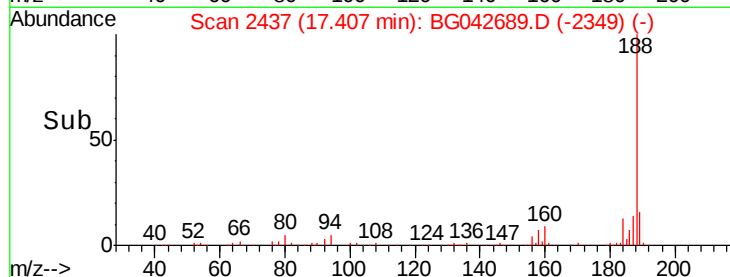
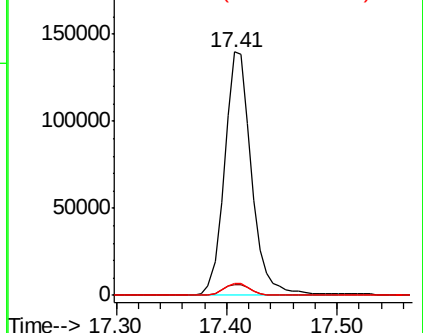
80 5.1 4.9 7.3



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



#67

4-Bromophenyl-phenylether

Concen: 6.525 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

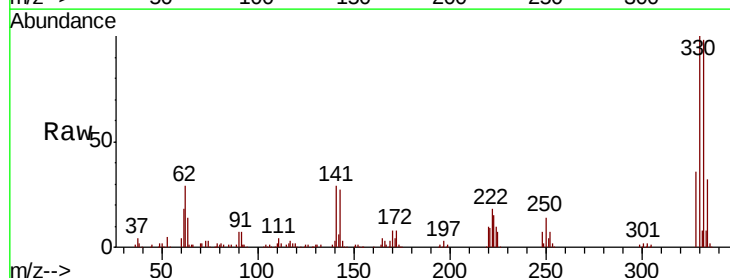
Tgt Ion:248 Resp: 19836

Ion Ratio Lower Upper

248 100

250 187.0 78.9 118.3#

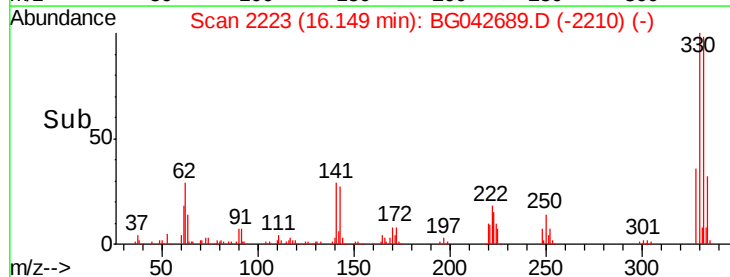
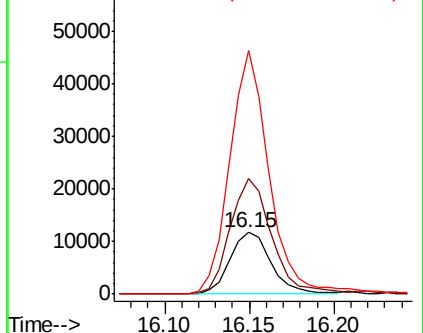
141 394.6 43.3 64.9#



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: BG042689.D

Acq: 3 Sep 2019 15:17

Instrument :

BNA_G

ClientSampleId :

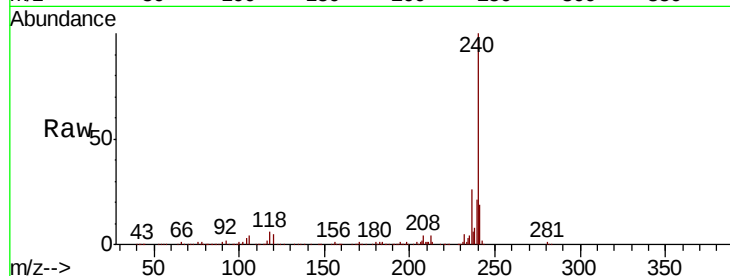
Tot Ion:240 Resp: 264797

Ion Ratio Lower Upper

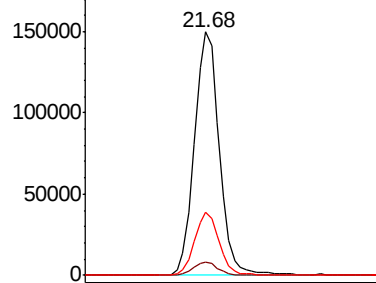
240 100

120 5.4 5.7 8.5#

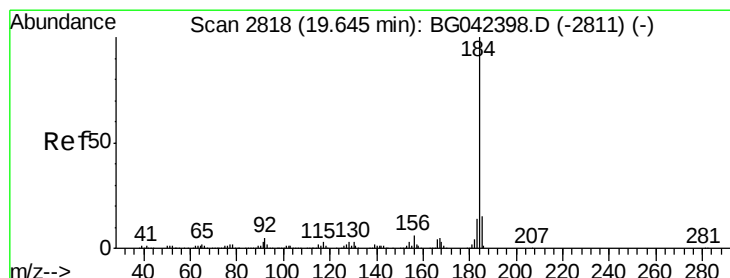
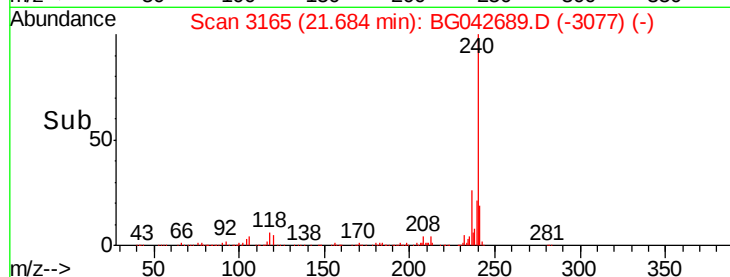
236 26.1 21.0 31.4



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



Time--> 21.60 21.70 21.80



#77

Benzidine

Concen: 2.405 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

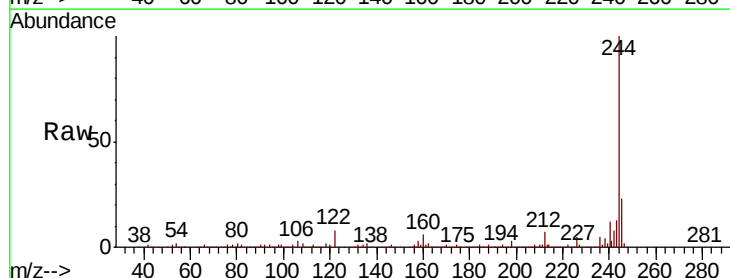
Tgt Ion:184 Resp: 18259

Ion Ratio Lower Upper

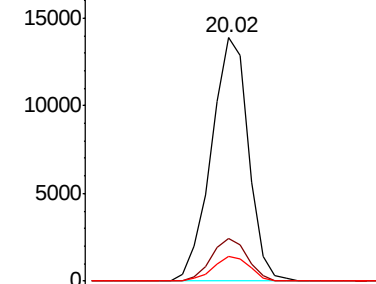
184 100

185 17.7 12.2 18.4

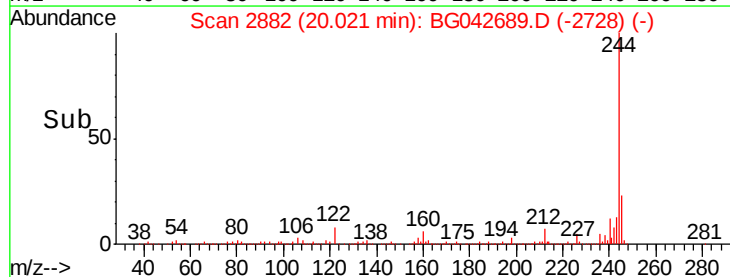
183 10.3 10.8 16.2#

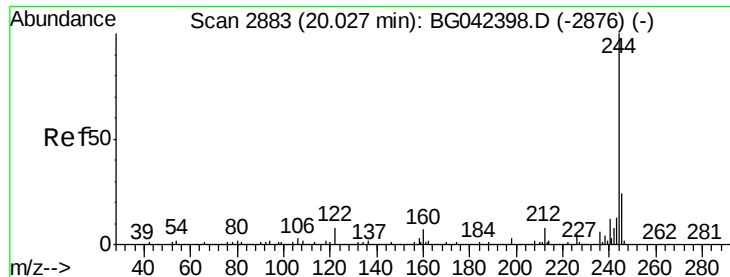


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05





#79

Terphenyl-d14

Concen: 118.300 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042689.D

Acq: 3 Sep 2019 15:17

Instrument :

BNA_G

ClientSampled :

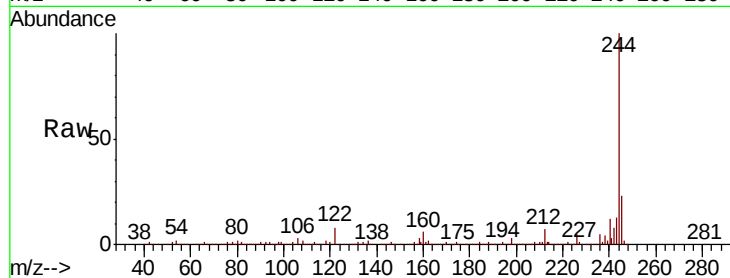
Tot Ion:244 Resp: 1448966

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

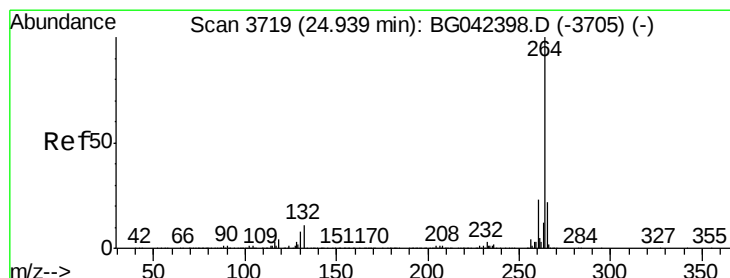
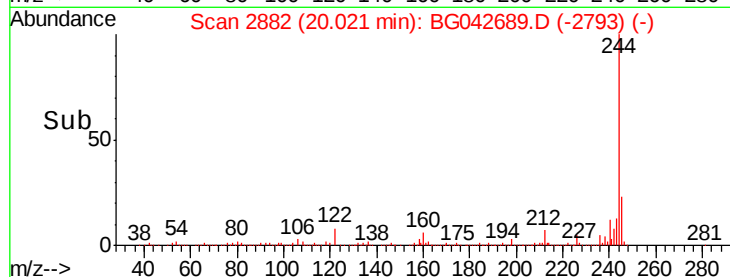
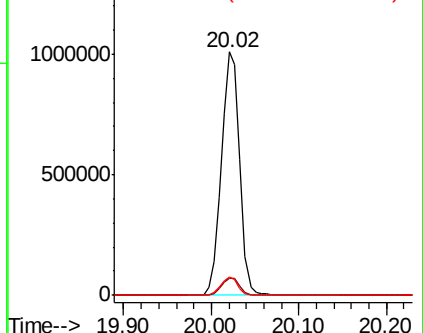
122 7.6 6.7 10.1



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: BG042689.D

Acq: 3 Sep 2019 15:17

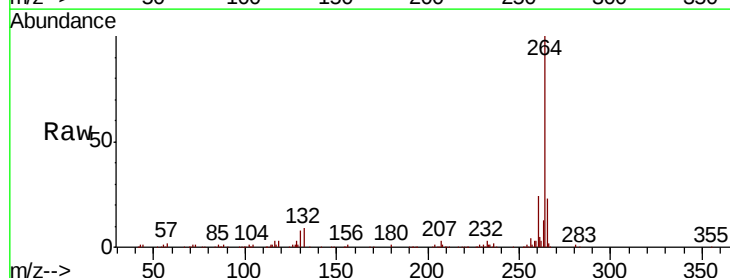
Tgt Ion:264 Resp: 309620

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 23.2 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

