

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042723.D
 Acq On : 5 Sep 2019 16:51
 Operator : HP/JU
 Sample : PB122826TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 18:44:48 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

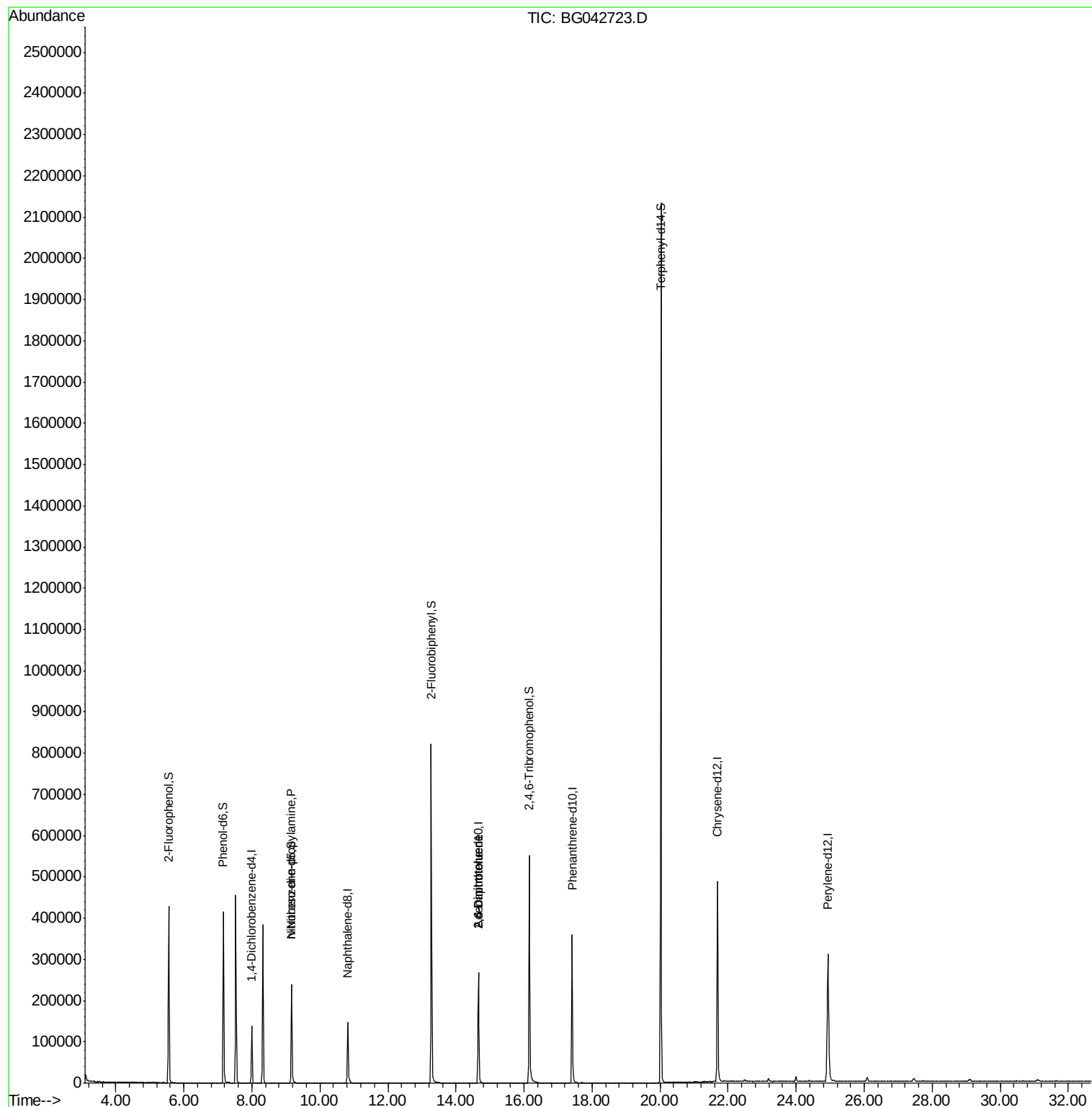
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	46094	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	168661	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	123834	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	297516	20.00	ng	0.00
76) Chrysene-d12	21.69	240	357610	20.00	ng	0.00
87) Perylene-d12	24.93	264	415514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	218734	96.11	ng	0.00
7) Phenol-d6	7.16	99	272983	88.80	ng	0.00
23) Nitrobenzene-d5	9.17	82	156122	63.97	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	170939	97.12	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	535703	73.16	ng	0.00
79) Terphenyl-d14	20.02	244	1145301	69.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	20282	10.183	ng	# 74
51) 2,6-Dinitrotoluene	14.66	165	15530	7.499	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	15530	5.236	ng	# 38

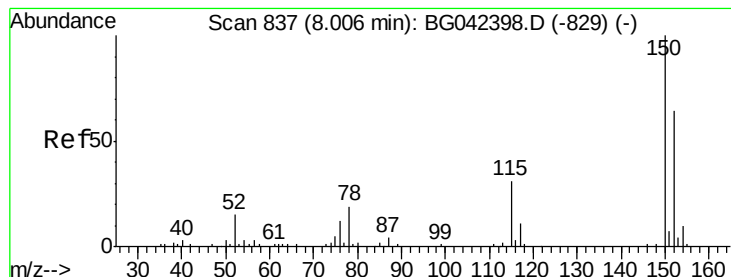
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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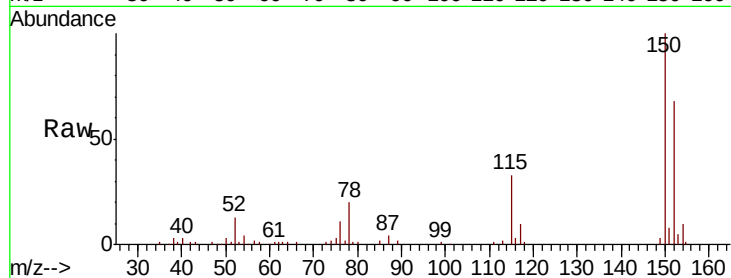


#1

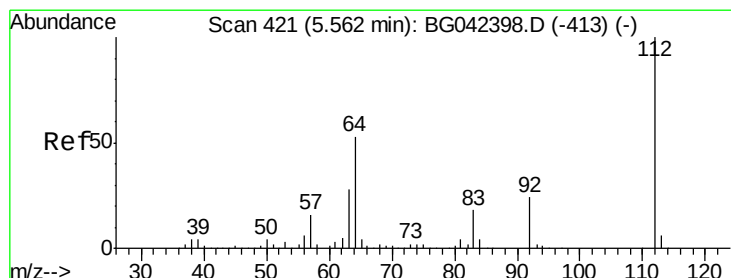
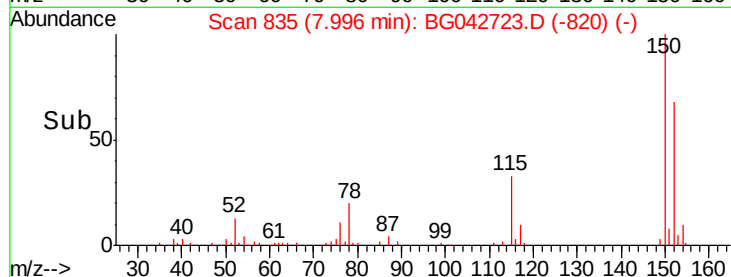
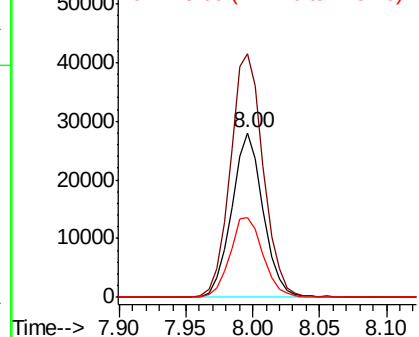
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46094
Ion Ratio Lower Upper
152 100
150 148.0 125.4 188.0
115 48.5 38.5 57.7



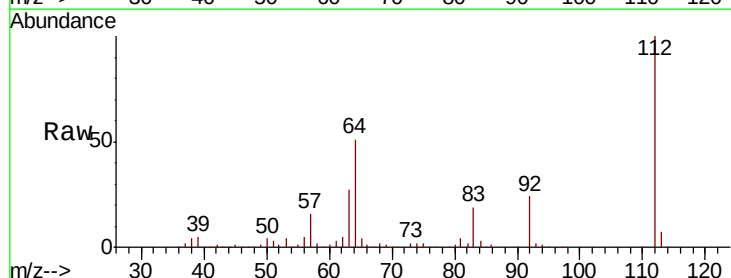
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



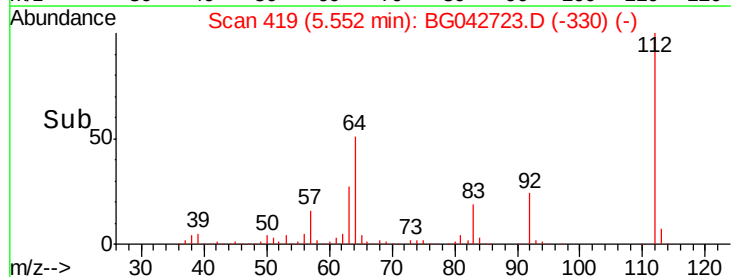
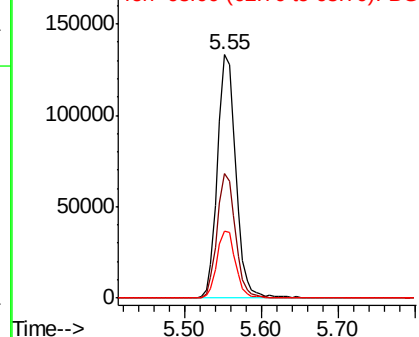
#5

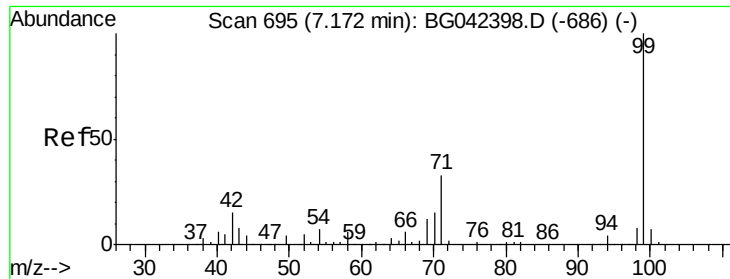
2-Fluorophenol
Concen: 96.108 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

Tgt Ion:112 Resp: 218734
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): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 88.797 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042723.D

Acq: 5 Sep 2019 16:51

Instrument :

BNA_G

ClientSampleId :

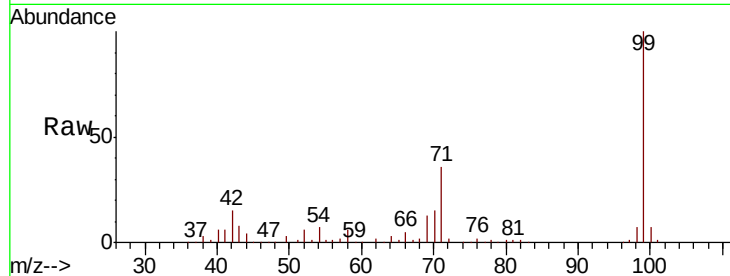
Tot Ion: 99 Resp: 272983

Ion Ratio Lower Upper

99 100

42 15.4 12.0 18.0

71 35.7 26.3 39.5

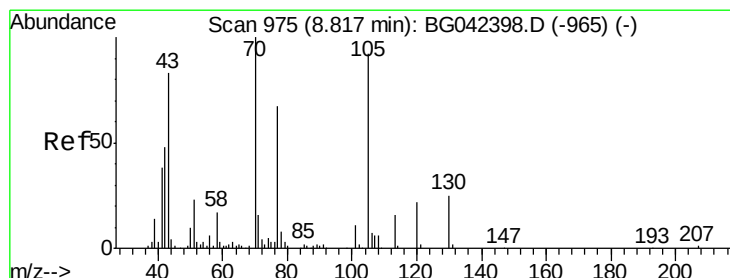
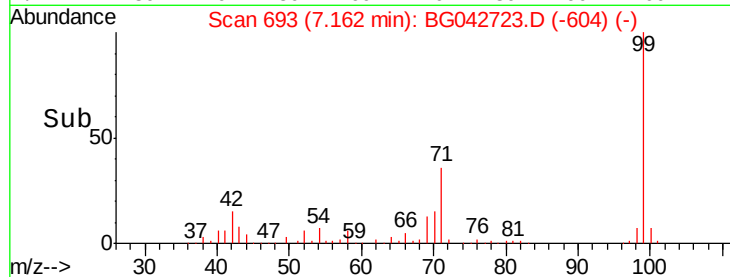
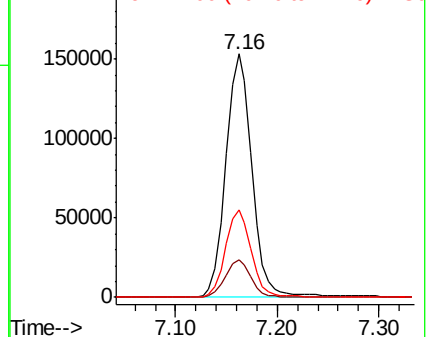


Abundance

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: 10.183 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042723.D

Acq: 5 Sep 2019 16:51

Tgt Ion: 70 Resp: 20282

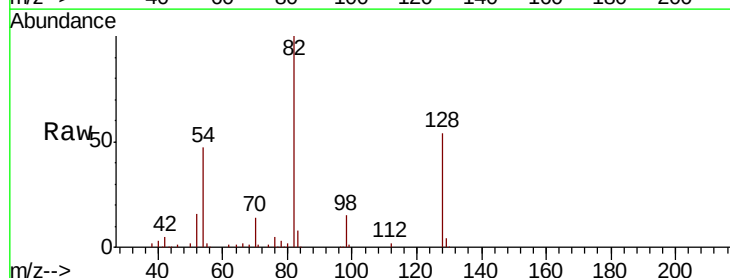
Ion Ratio Lower Upper

70 100

42 37.9 38.8 58.2#

101 0.0 9.0 13.6#

130 2.5 20.0 30.0#



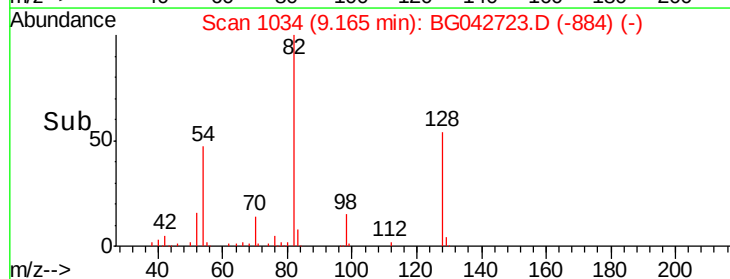
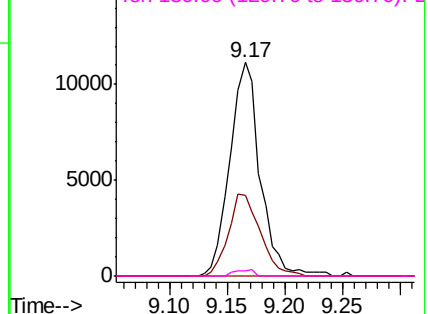
Abundance

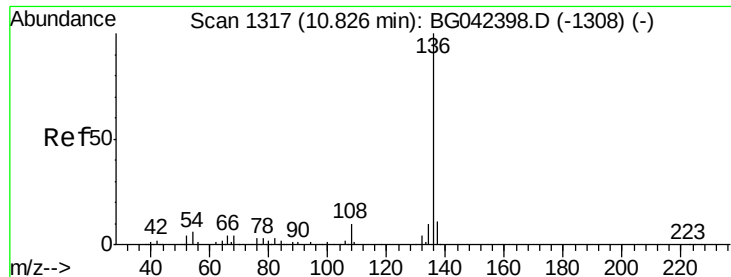
Ion 70.00 (69.70 to 70.70): BGC

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

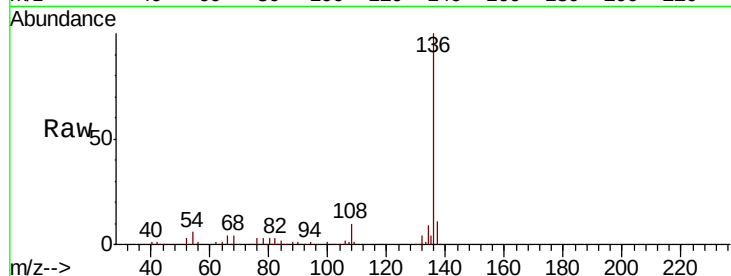




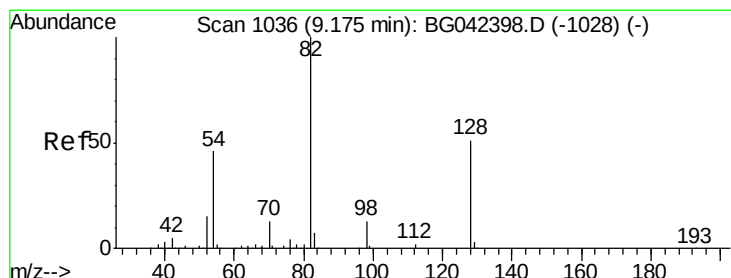
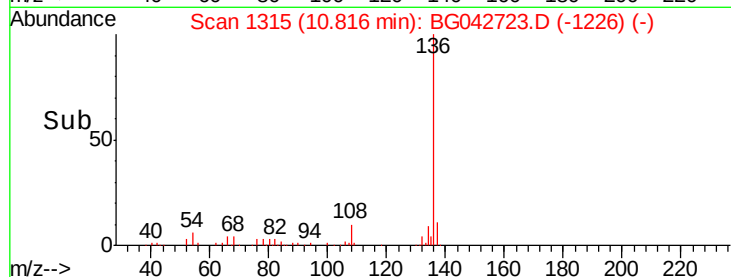
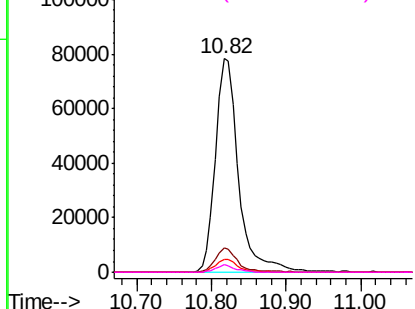
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	168661
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.7 13.1
54	6.1	4.9 7.3
68	3.6	3.6 5.4

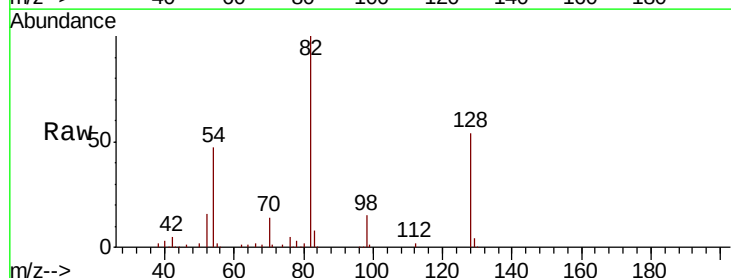


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

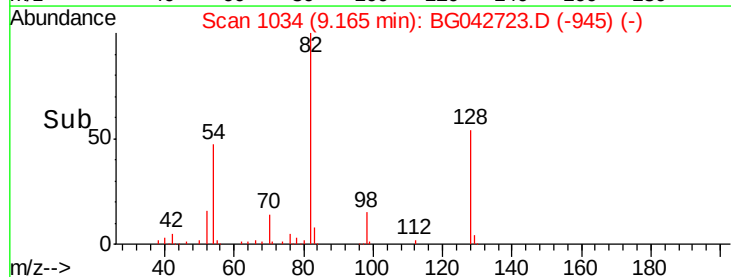
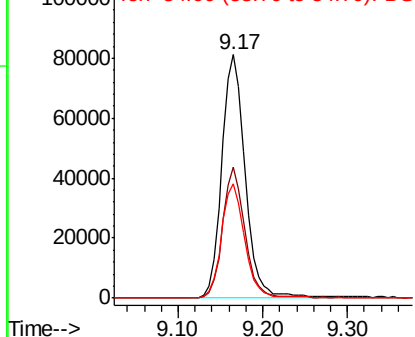


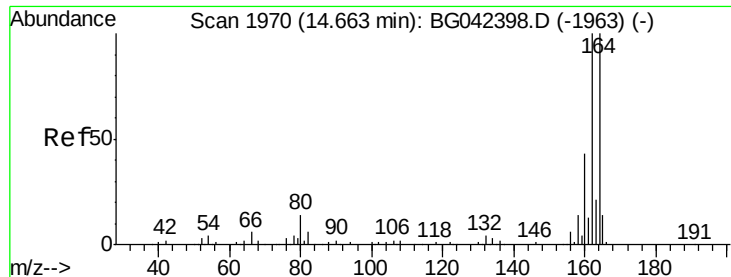
#23
Nitrobenzene-d5
Concen: 63.966 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

Tgt Ion: 82	Resp:	156122
Ion	Ratio	Lower Upper
82	100	
128	54.0	40.7 61.1
54	46.9	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. -0.00 min

Lab File: BG042723.D

Acq: 5 Sep 2019 16:51

Instrument :

BNA_G

ClientSampleId :

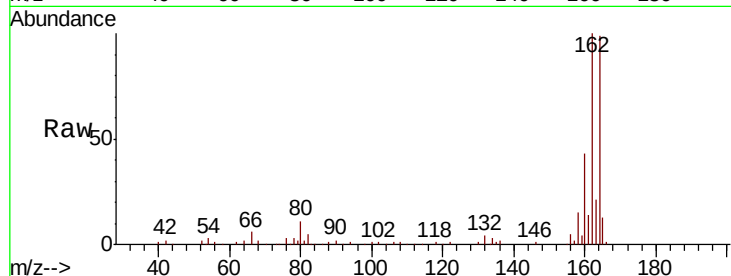
Tot Ion:164 Resp: 123834

Ion Ratio Lower Upper

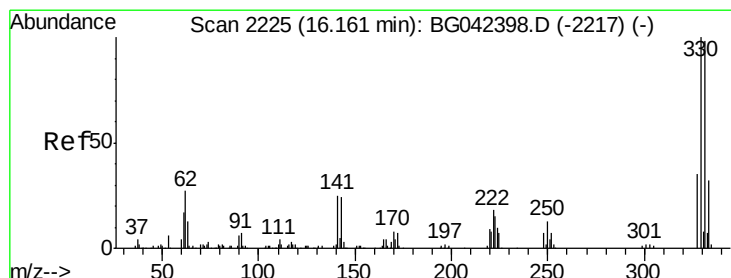
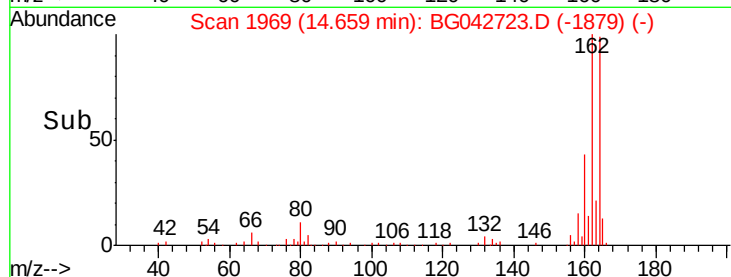
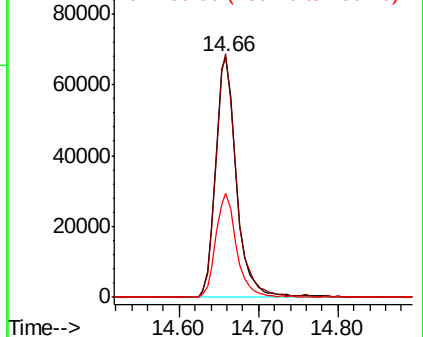
164 100

162 101.4 79.9 119.9

160 43.1 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: 97.119 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042723.D

Acq: 5 Sep 2019 16:51

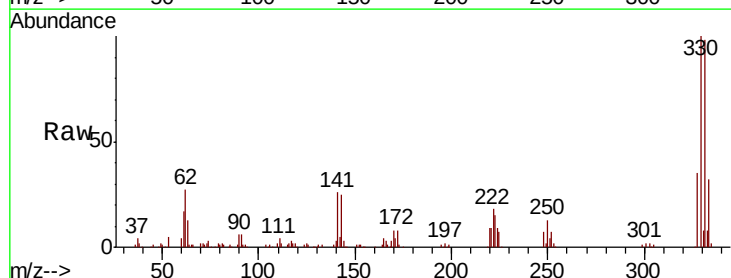
Tgt Ion:330 Resp: 170939

Ion Ratio Lower Upper

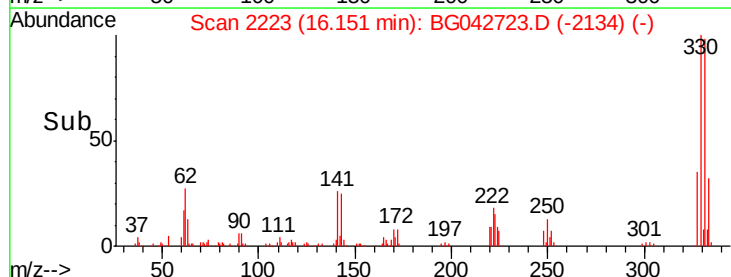
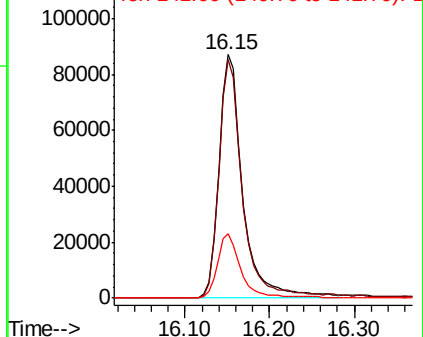
330 100

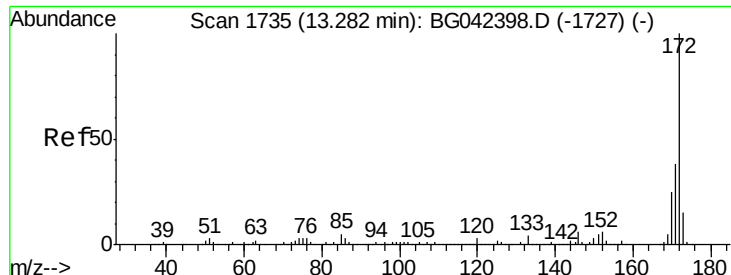
332 96.4 77.4 116.0

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

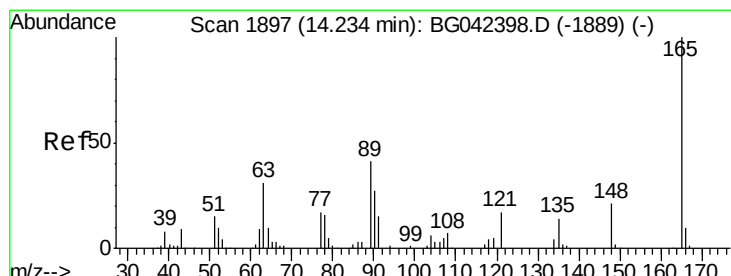
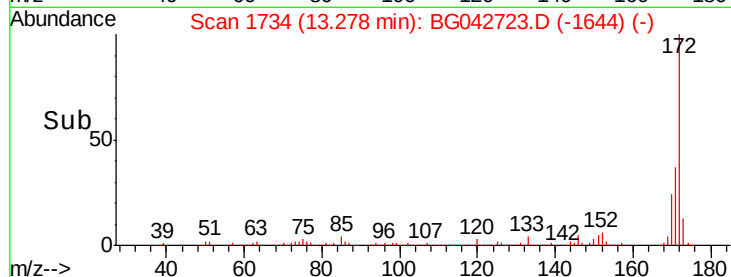
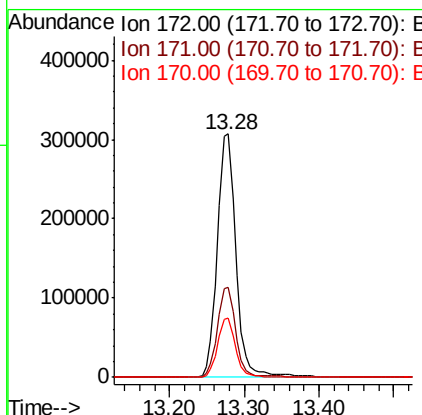
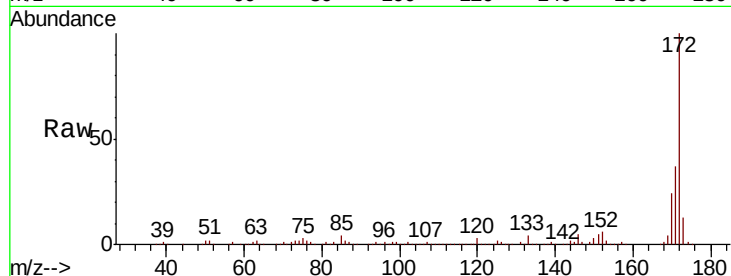




#45
 2-Fluorobiphenyl
 Concen: 73.165 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042723.D
 Acq: 5 Sep 2019 16:51

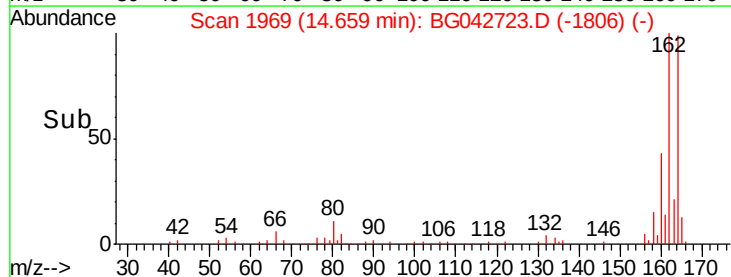
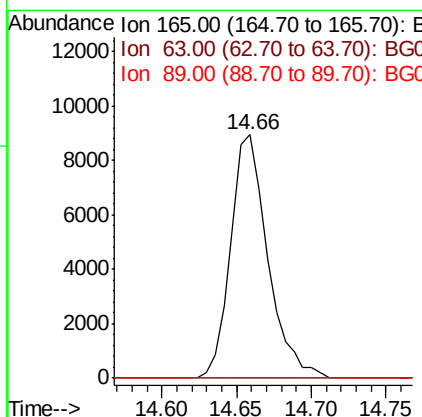
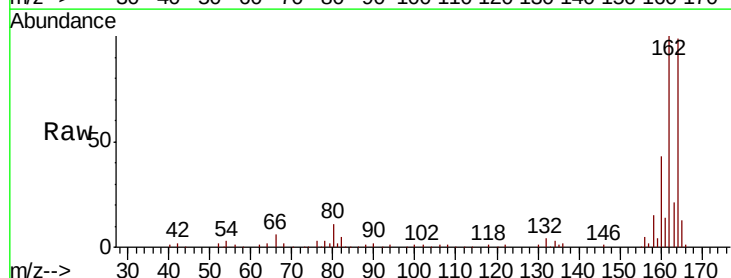
Instrument :
 BNA_G
 ClientSampleId :

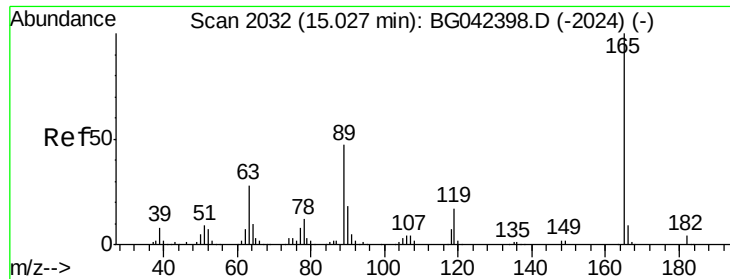
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	24.3	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.499 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG042723.D
 Acq: 5 Sep 2019 16:51

Tgt 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: 5.236 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042723.D

Acq: 5 Sep 2019 16:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15530

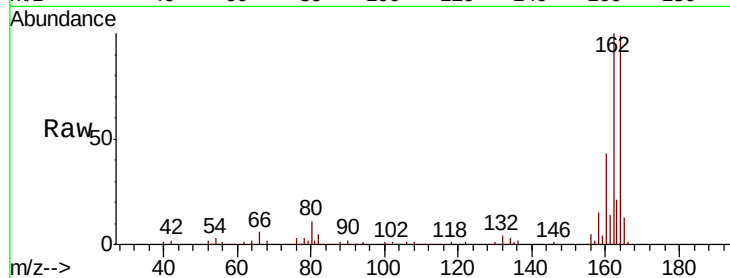
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

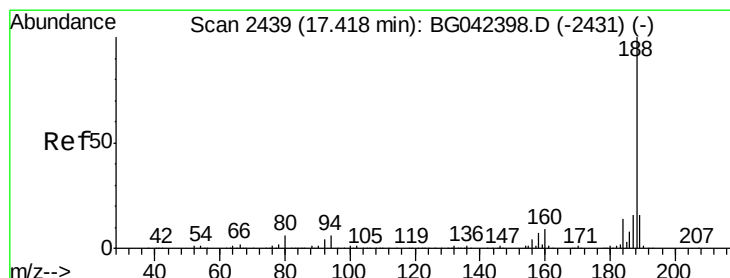
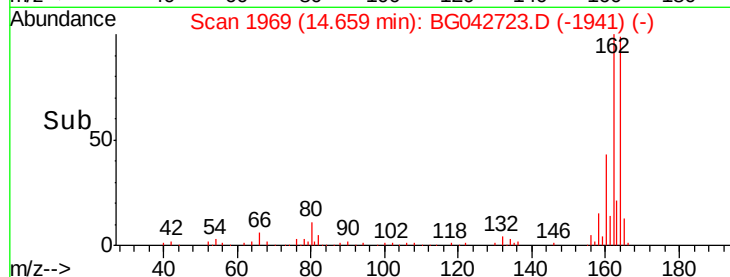
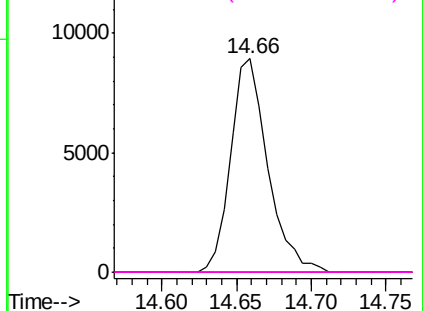


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042723.D

Acq: 5 Sep 2019 16:51

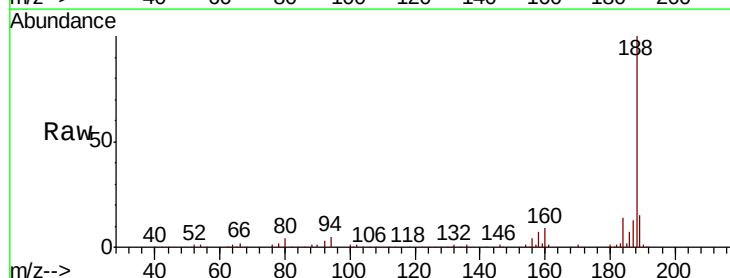
Tgt Ion:188 Resp: 297516

Ion Ratio Lower Upper

188 100

94 4.6 4.5 6.7

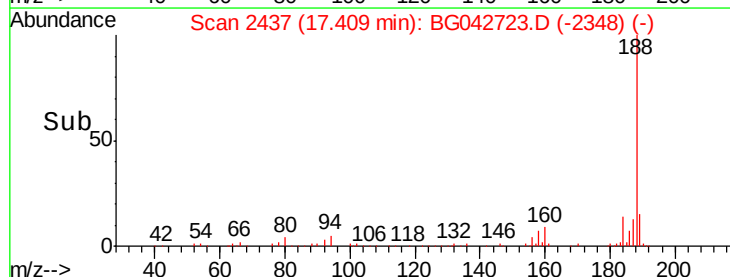
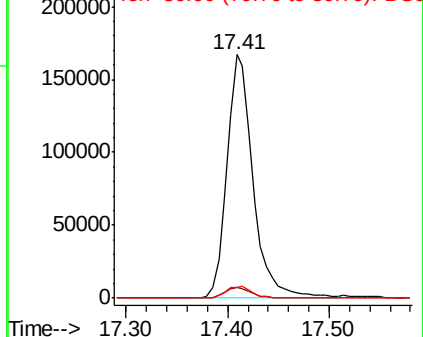
80 4.5 4.9 7.3#

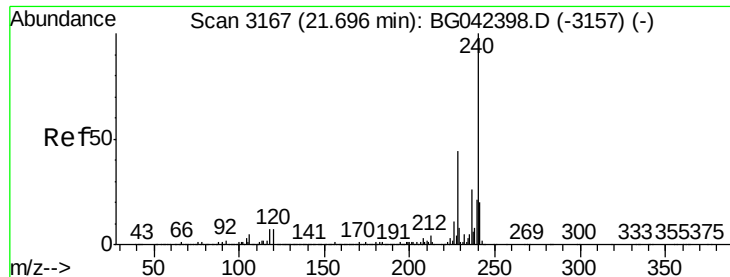


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

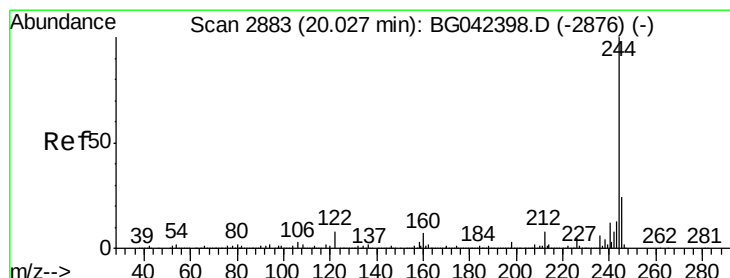
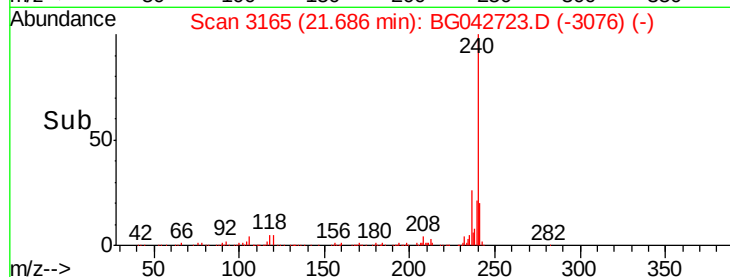
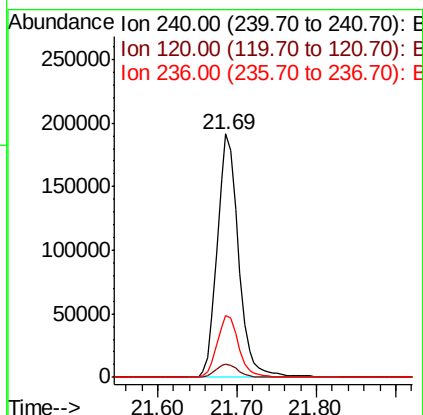
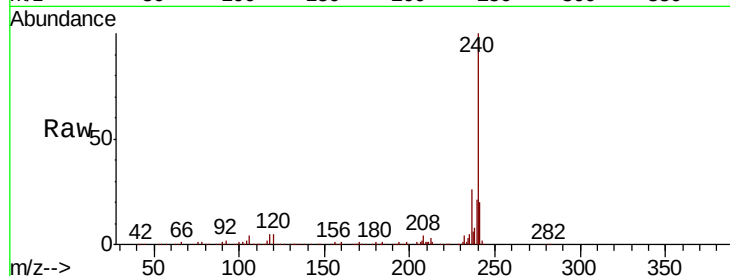




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

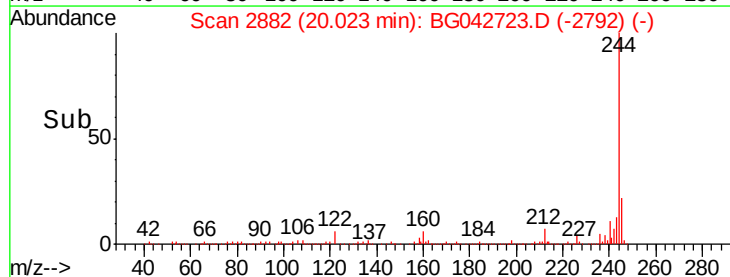
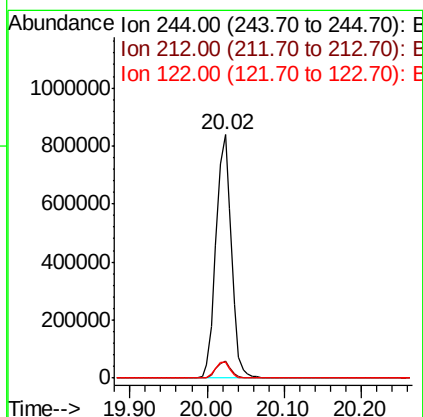
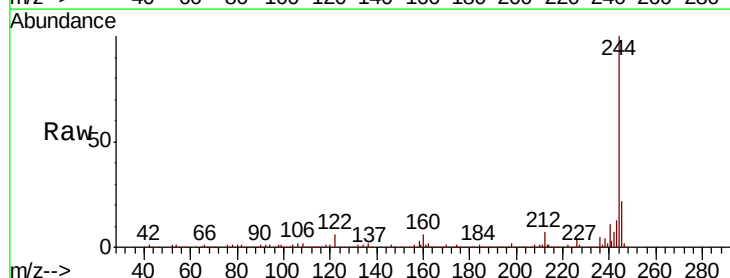
Instrument :
BNA_G
ClientSampled :

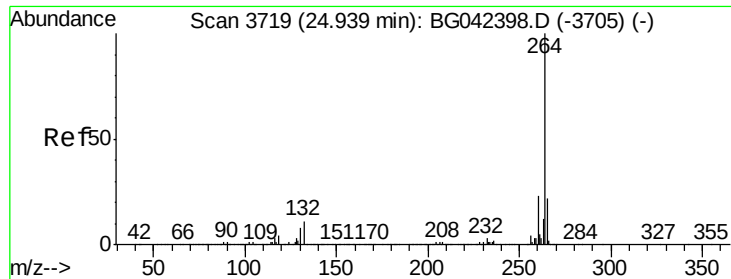
Tot Ion:240 Resp: 357610
Ion Ratio Lower Upper
240 100
120 5.4 5.7 8.5#
236 25.6 21.0 31.4



#79
Terphenyl-d14
Concen: 69.239 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG042723.D
Acq: 5 Sep 2019 16:51

Tgt Ion:244 Resp: 1145301
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 6.5 6.7 10.1#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042723.D
 Acq: 5 Sep 2019 16:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.8	17.6	26.4

