

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042734.D
 Acq On : 5 Sep 2019 23:51
 Operator : HP/JU
 Sample : K4683-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 06:47:50 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

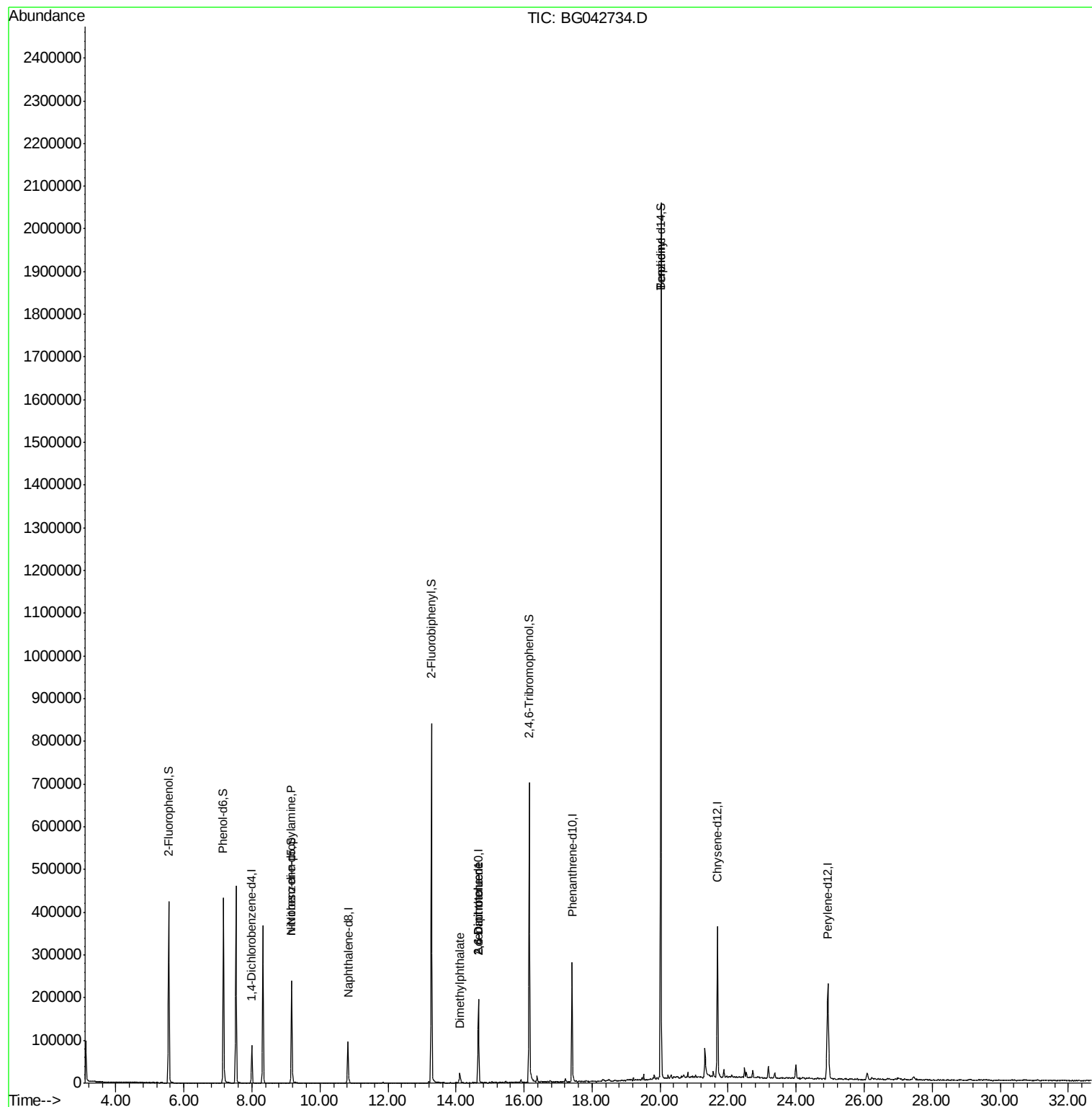
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	29369	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	108077	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	83611	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	201267	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	231609	20.00	ng	-0.01
87) Perylene-d12	24.93	264	275907	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	217108	149.72	ng	-0.01
7) Phenol-d6	7.16	99	285549	145.78	ng	-0.01
23) Nitrobenzene-d5	9.16	82	157332	100.60	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	198397	166.95	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	526623	106.53	ng	0.00
79) Terphenyl-d14	20.02	244	1067523	99.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	21044	16.583	ng	Qvalue # 80
50) Dimethylphthalate	14.11	163	24677	4.090	ng	100
51) 2,6-Dinitrotoluene	14.65	165	10927	7.814	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	10927	5.457	ng	# 38
77) Benzidine	20.02	184	13918	2.096	ng	# 3

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

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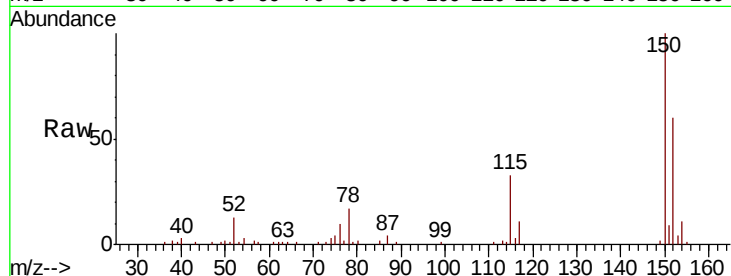


#1

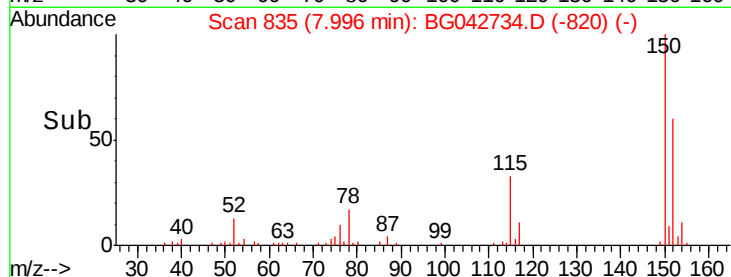
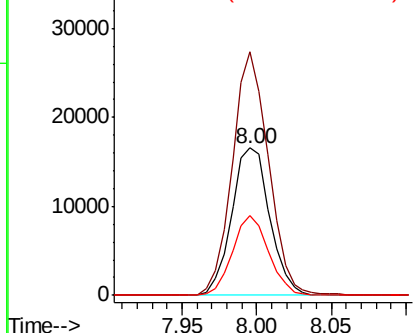
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29369
Ion Ratio Lower Upper
152 100
150 165.6 125.4 188.0
115 54.0 38.5 57.7



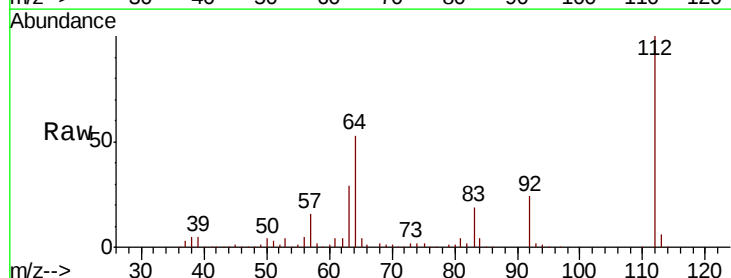
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



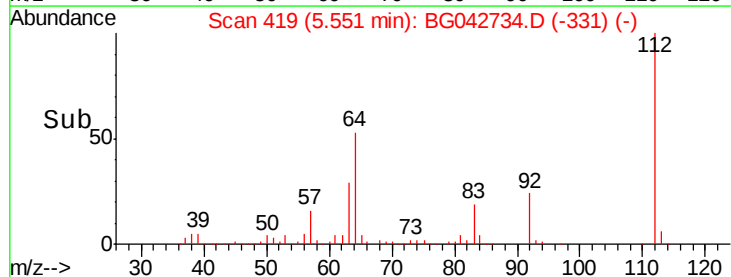
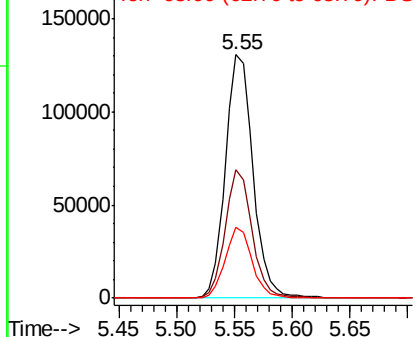
#5

2-Fluorophenol
Concen: 149.718 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Tgt Ion:112 Resp: 217108
Ion Ratio Lower Upper
112 100
64 52.8 42.8 64.2
63 29.0 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: 145.779 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

Instrument :

BNA_G

ClientSampleId :

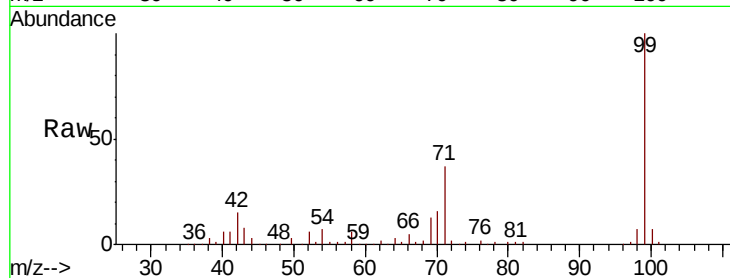
Tot Ion: 99 Resp: 285549

Ion Ratio Lower Upper

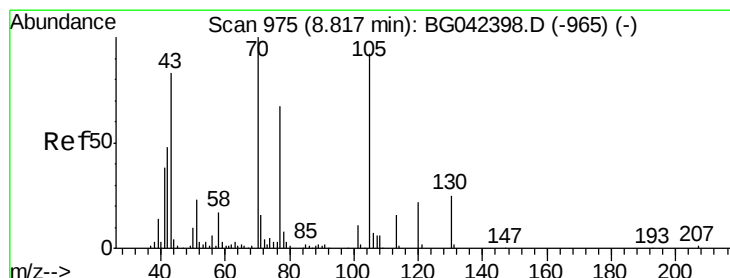
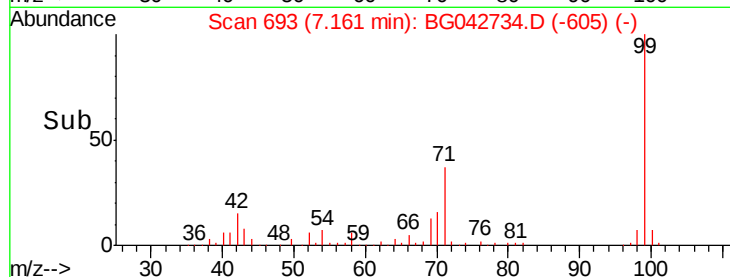
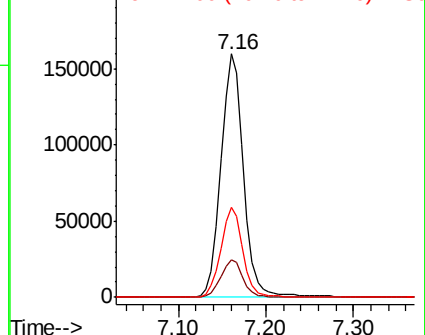
99 100

42 15.5 12.0 18.0

71 36.8 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: 16.583 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

Tgt Ion: 70 Resp: 21044

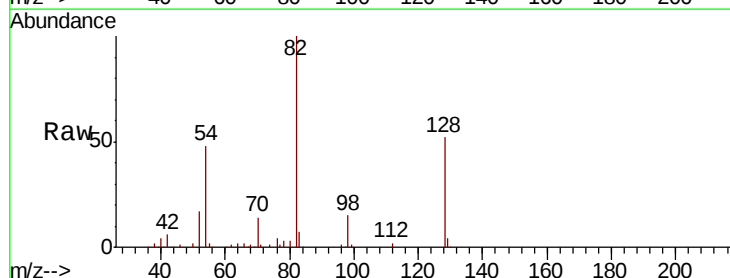
Ion Ratio Lower Upper

70 100

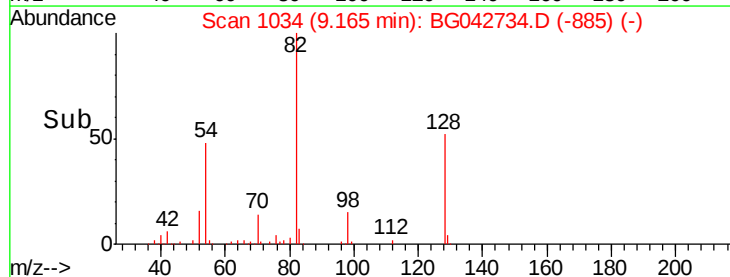
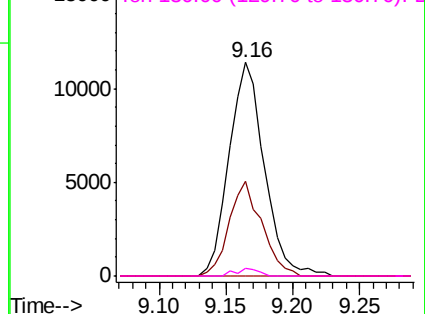
42 44.6 38.8 58.2

101 0.0 9.0 13.6#

130 3.4 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

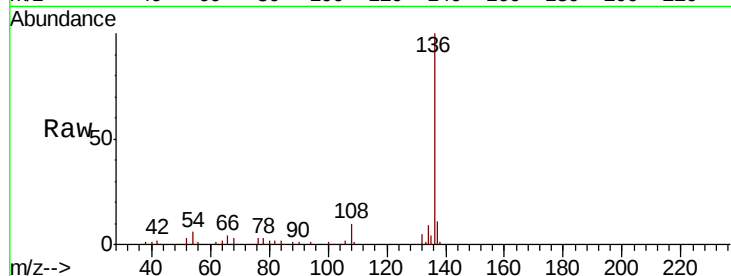




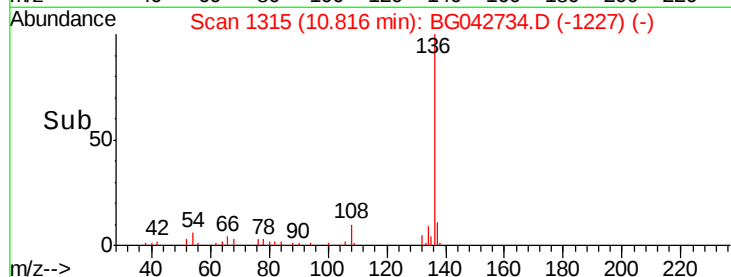
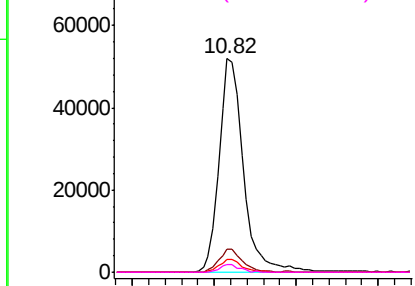
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	108077
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.7 13.1
54	5.8	4.9 7.3
68	3.4	3.6 5.4

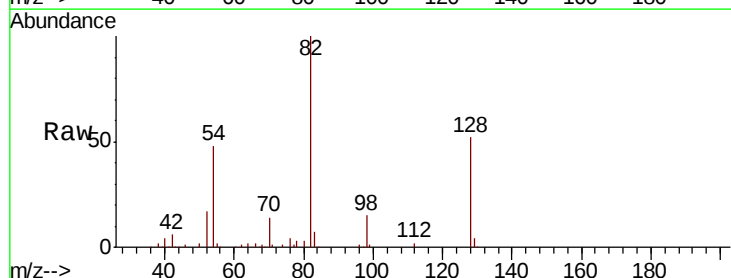


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

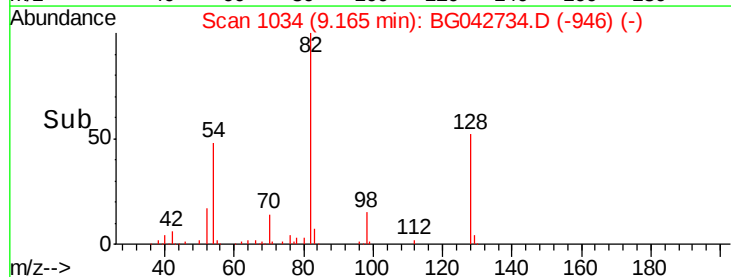
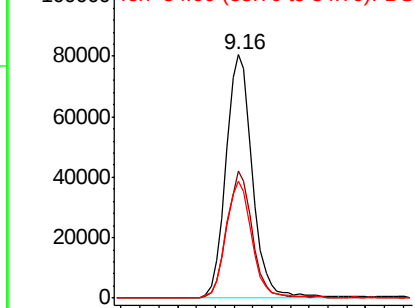


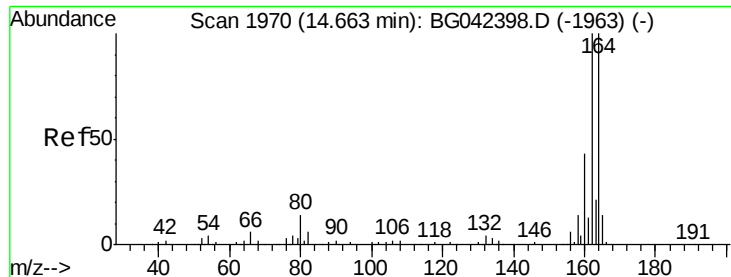
#23
Nitrobenzene-d5
Concen: 100.597 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Tgt Ion: 82	Resp:	157332
Ion Ratio	Lower	Upper
82	100	
128	52.2	40.7 61.1
54	48.2	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

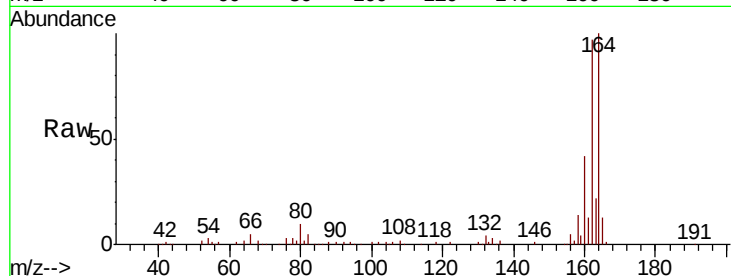




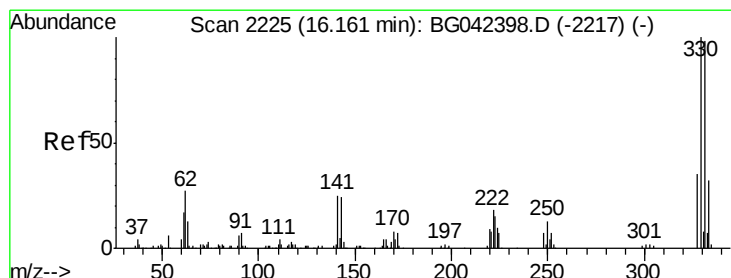
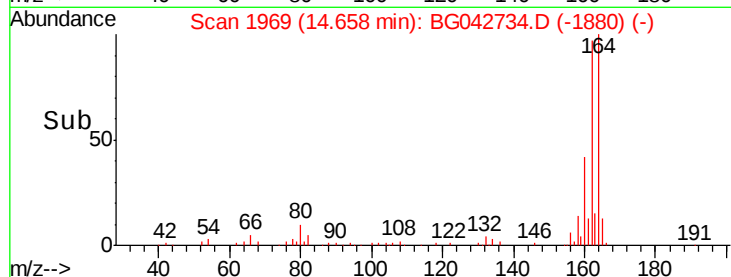
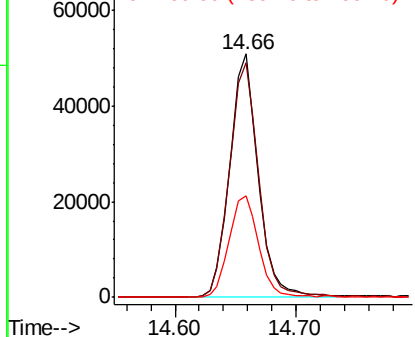
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BG042734.D
 Acq: 5 Sep 2019 23:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 83611
 Ion Ratio Lower Upper
 164 100
 162 96.6 79.9 119.9
 160 41.8 34.3 51.5

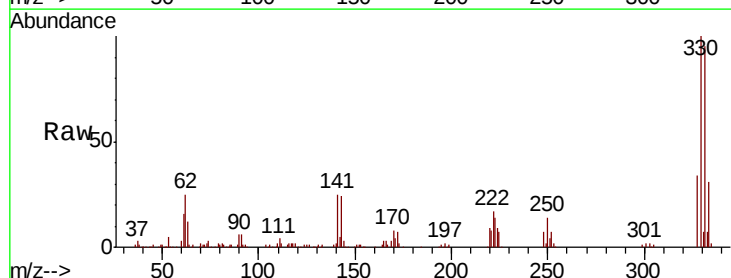


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

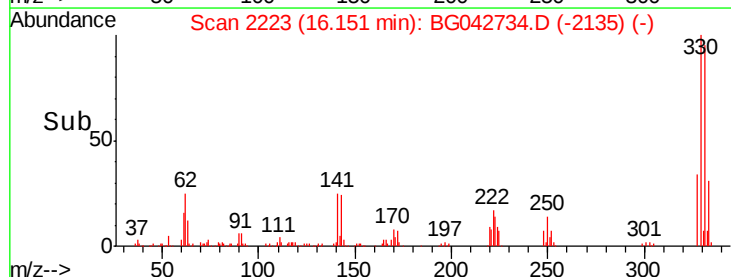
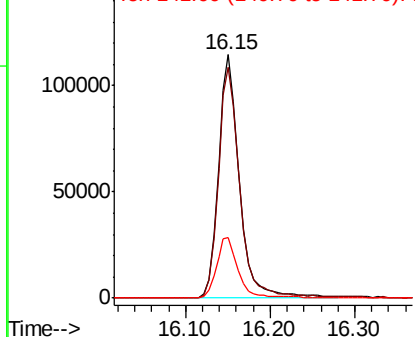


#42
 2,4,6-Tribromophenol
 Concen: 166.946 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042734.D
 Acq: 5 Sep 2019 23:51

Tgt Ion:330 Resp: 198397
 Ion Ratio Lower Upper
 330 100
 332 95.8 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

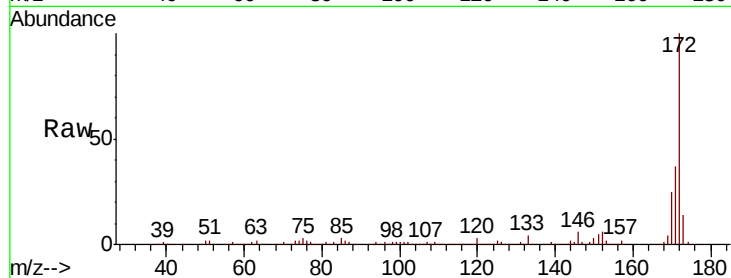




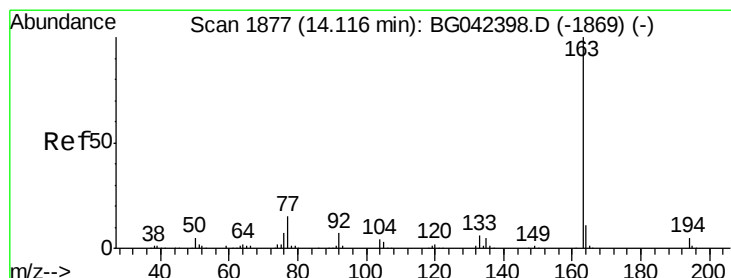
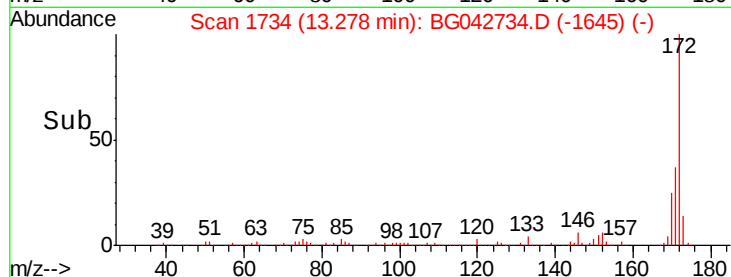
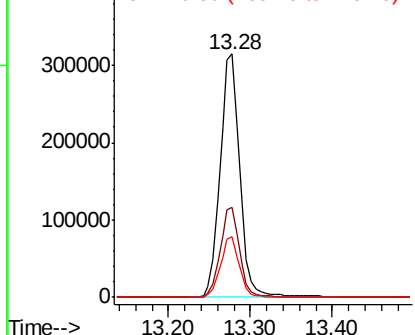
#45
2-Fluorobiphenyl
Concen: 106.525 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 526623
Ion Ratio Lower Upper
172 100
171 36.7 30.5 45.7
170 25.0 20.2 30.2

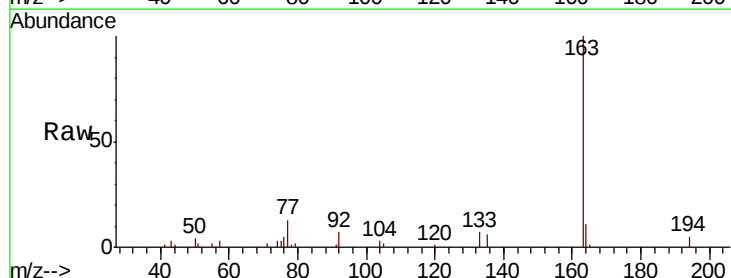


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

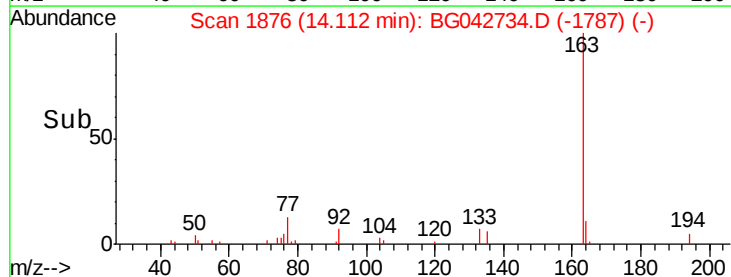
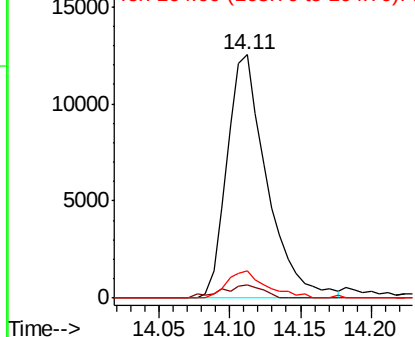


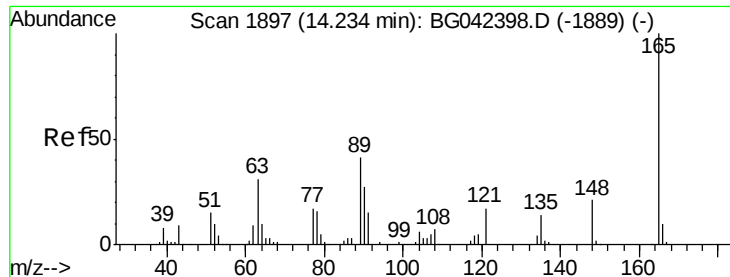
#50
Dimethylphthalate
Concen: 4.090 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Tgt Ion:163 Resp: 24677
Ion Ratio Lower Upper
163 100
194 5.4 4.2 6.2
164 11.2 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





#51

2,6-Dinitrotoluene

Concen: 7.814 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.42 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

Instrument :

BNA_G

ClientSampleId :

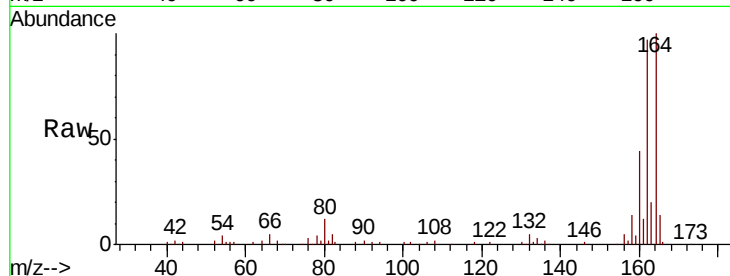
Tot Ion:165 Resp: 10927

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

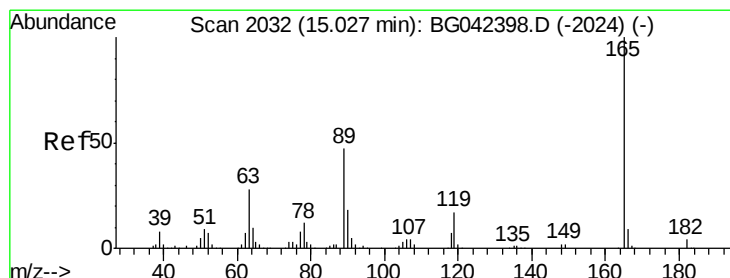
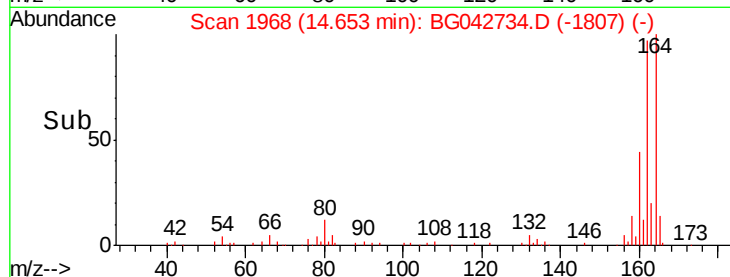
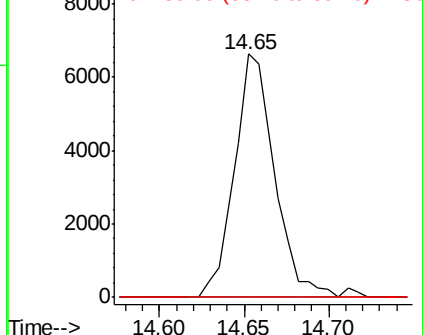
89 0.0 32.6 49.0#



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



#57

2,4-Dinitrotoluene

Concen: 5.457 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.37 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

Tgt Ion:165 Resp: 10927

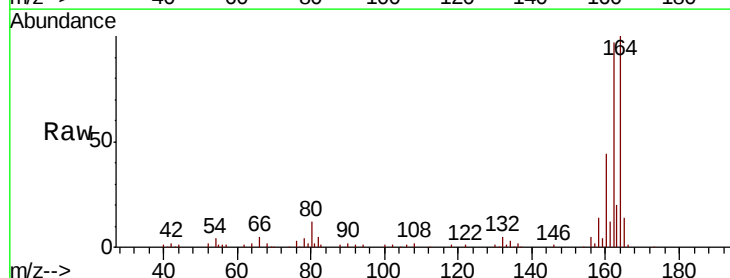
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 0.0 37.8 56.6#

182 0.0 3.0 4.4#

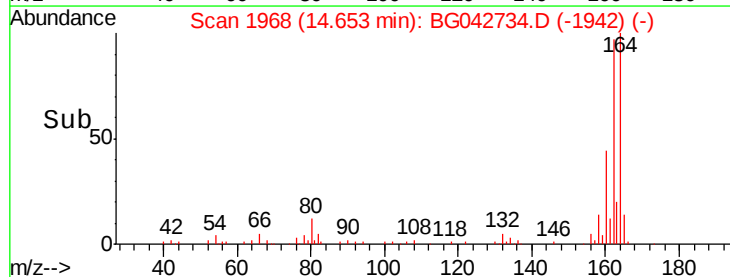
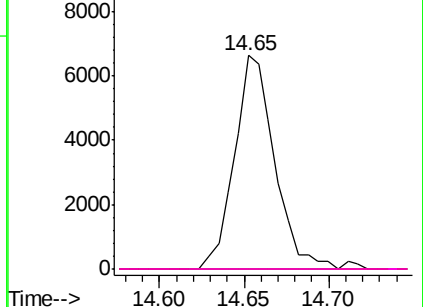


Abundance Ion 165.00 (164.70 to 165.70): E

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

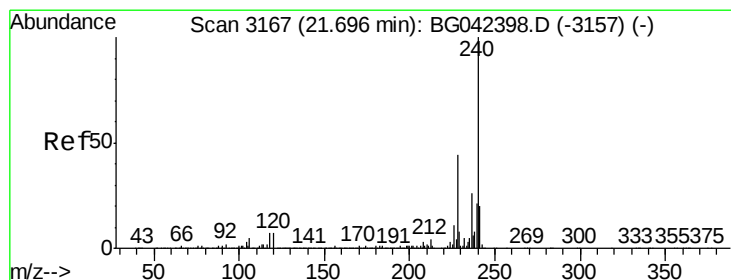
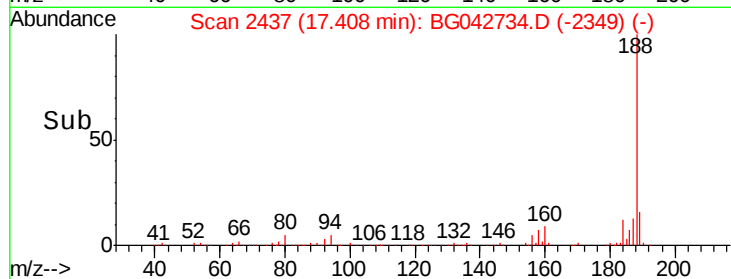
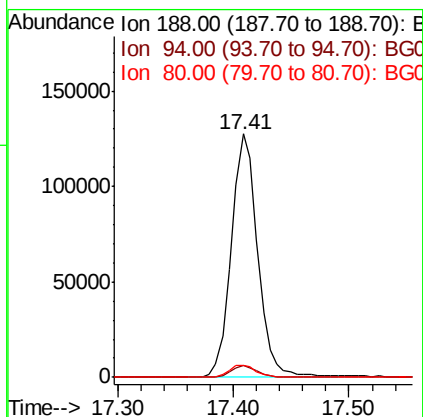
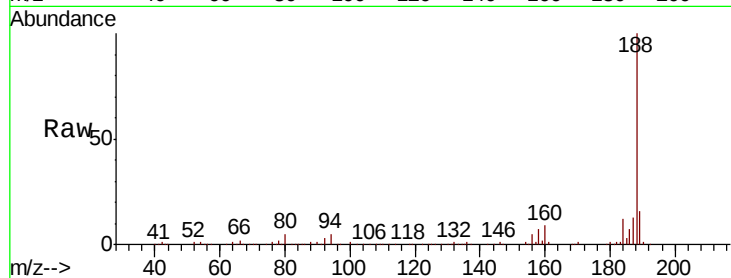




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

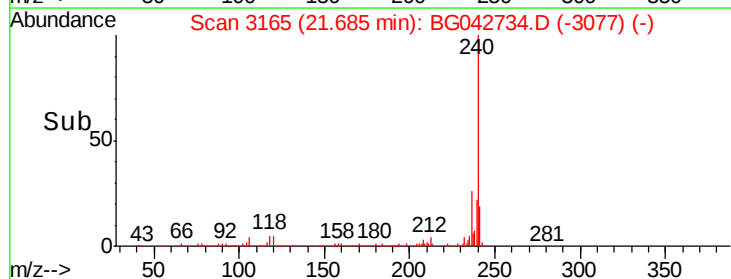
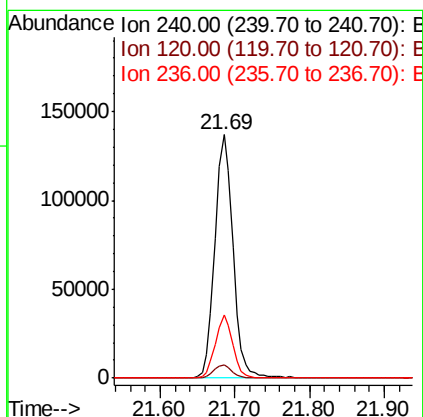
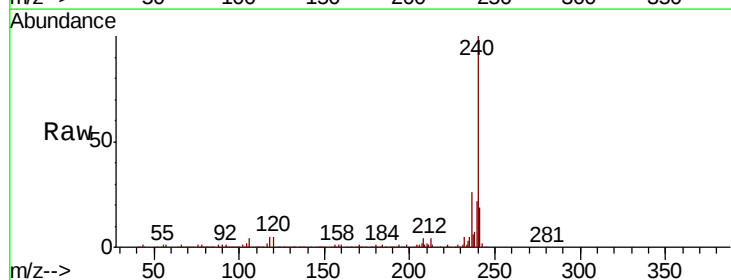
Instrument :
BNA_G
ClientSampleId :

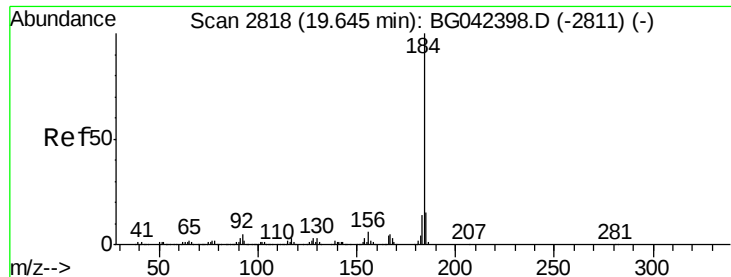
Tot Ion:188 Resp: 201267
Ion Ratio Lower Upper
188 100
94 5.0 4.5 6.7
80 5.1 4.9 7.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042734.D
Acq: 5 Sep 2019 23:51

Tgt Ion:240 Resp: 231609
Ion Ratio Lower Upper
240 100
120 5.3 5.7 8.5#
236 26.1 21.0 31.4





#77

Benzidine

Concen: 2.096 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

Instrument :

BNA_G

ClientSampleId :

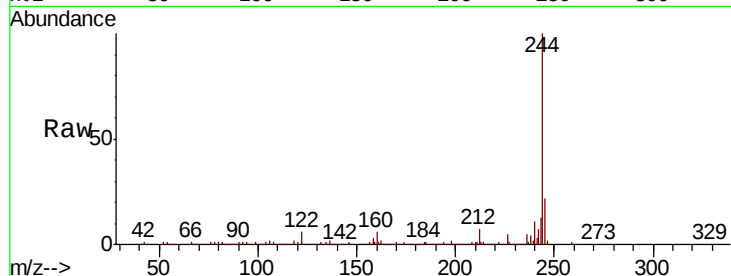
Tot Ion:184 Resp: 13918

Ion Ratio Lower Upper

184 100

185 89.5 12.2 18.4#

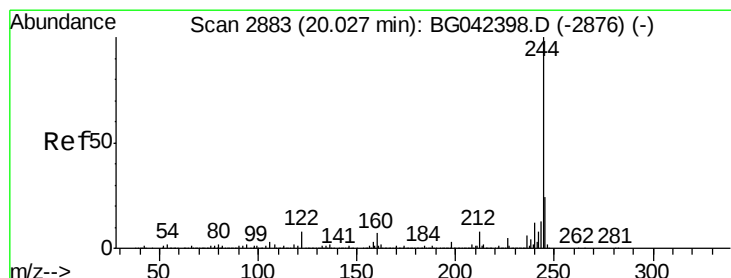
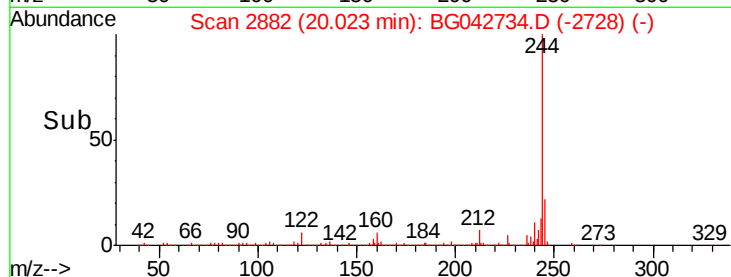
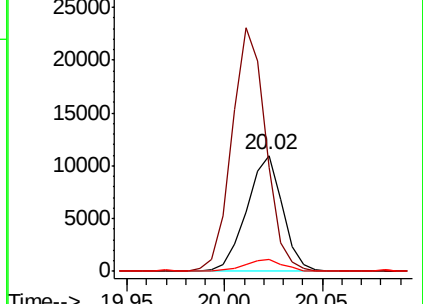
183 10.7 10.8 16.2#



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



#79

Terphenyl-d14

Concen: 99.646 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042734.D

Acq: 5 Sep 2019 23:51

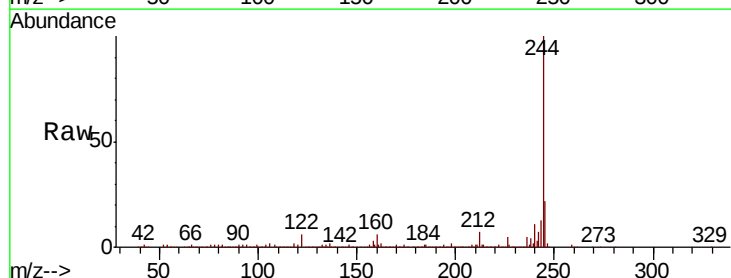
Tgt Ion:244 Resp: 1067523

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

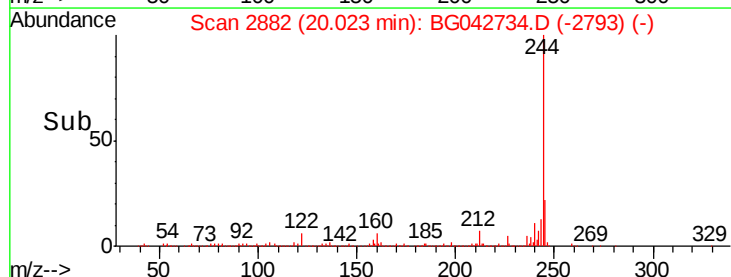
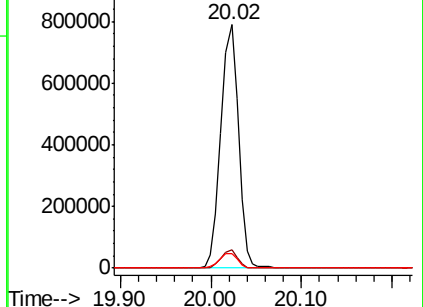
122 6.2 6.7 10.1#

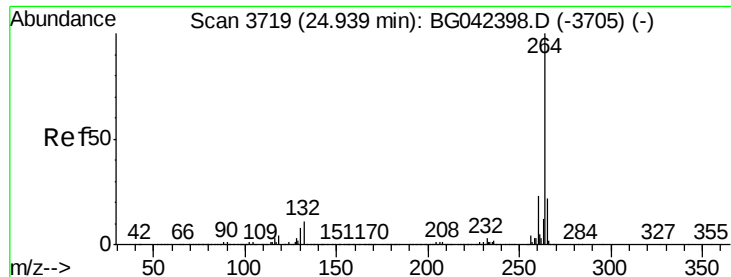


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3717
 Delta R.T. -0.01 min
 Lab File: BG042734.D
 Acq: 5 Sep 2019 23:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.9	17.6	26.4

