

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042741.D
 Acq On : 6 Sep 2019 5:35
 Operator : HP/JU
 Sample : K4694-39
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 06:49:28 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

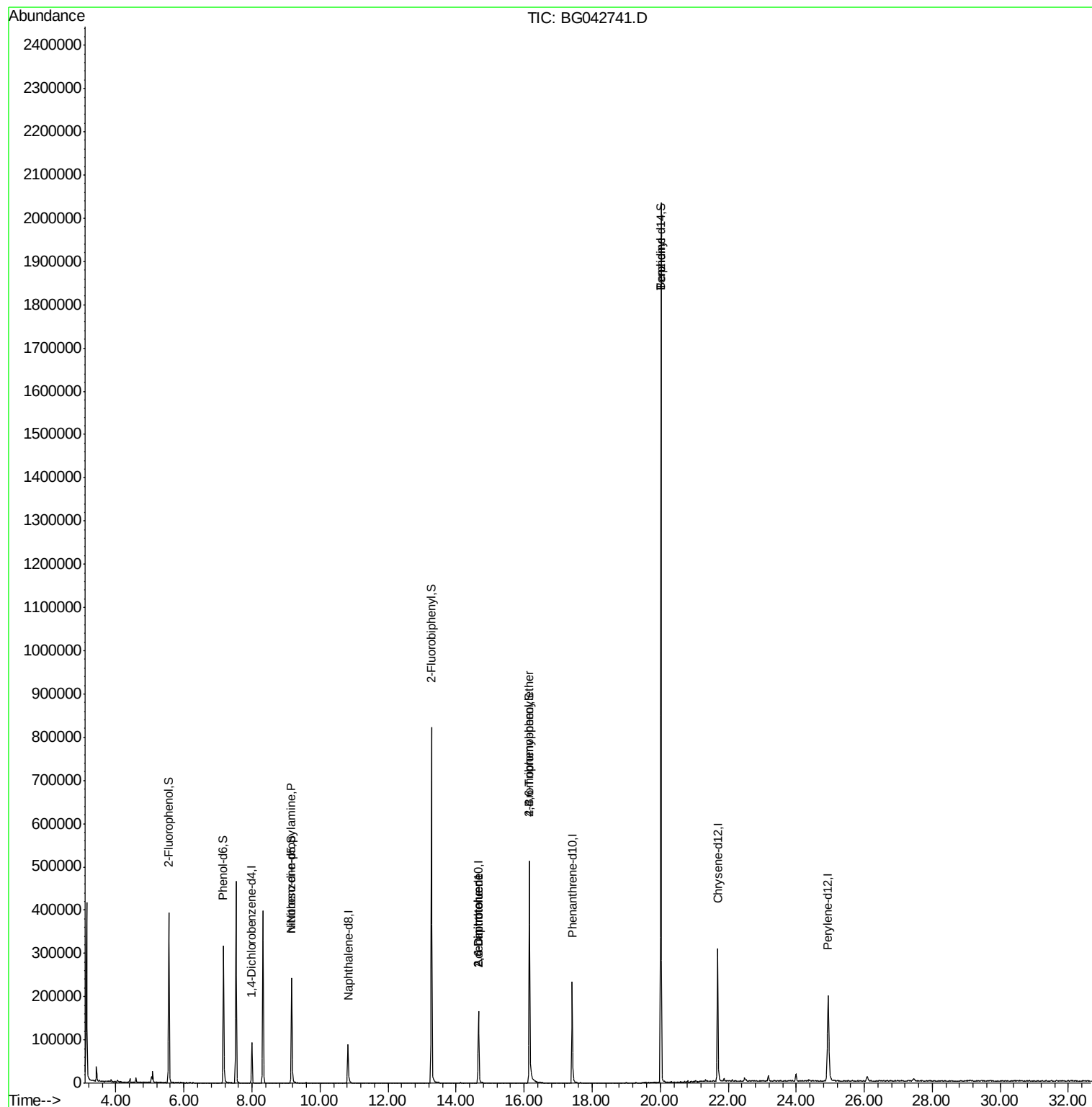
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	31913	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	111430	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	76210	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	189248	20.00	ng	0.00
76) Chrysene-d12	21.69	240	227883	20.00	ng	0.00
87) Perylene-d12	24.94	264	266834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	191943	121.81	ng	0.00
7) Phenol-d6	7.16	99	214243	100.66	ng	-0.01
23) Nitrobenzene-d5	9.16	82	159686	99.03	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	170499	157.40	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	526827	116.92	ng	0.00
79) Terphenyl-d14	20.02	244	1126365	106.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	20603	14.941	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	9881	7.752	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	9881	5.414	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	11042	4.600	ng	# 1
77) Benzidine	20.02	184	13699	2.097	ng	# 91

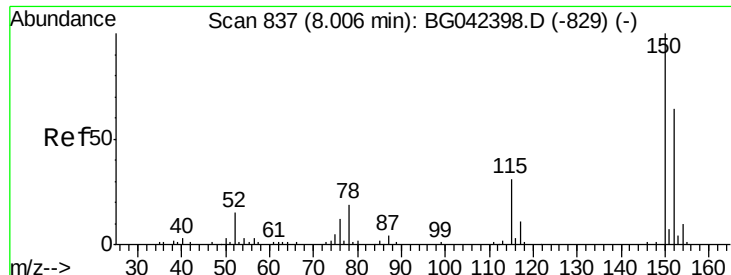
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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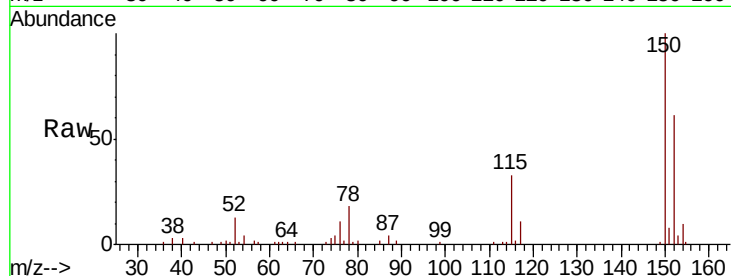


#1

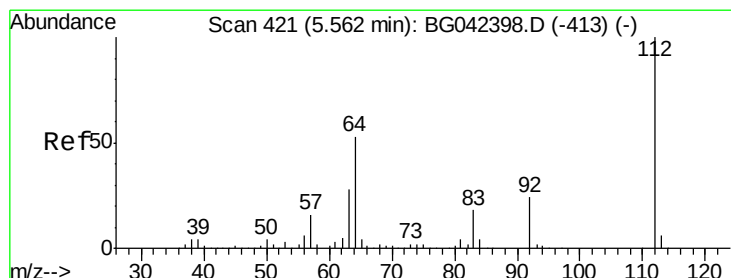
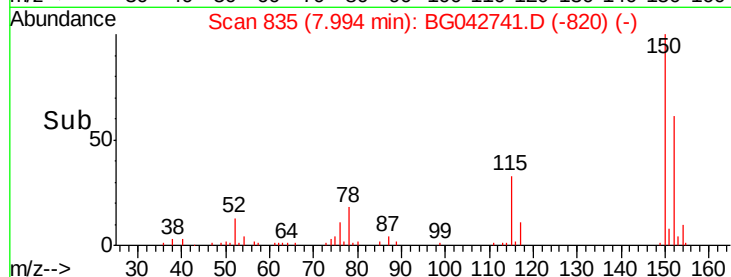
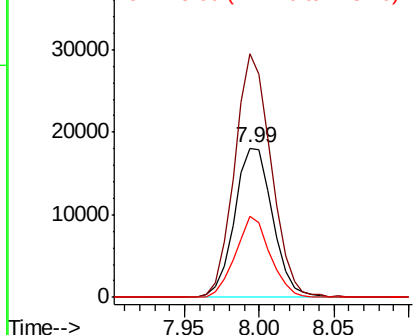
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31913
Ion Ratio Lower Upper
152 100
150 163.0 125.4 188.0
115 54.1 38.5 57.7



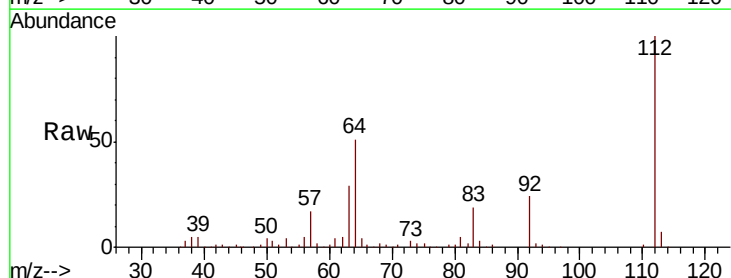
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



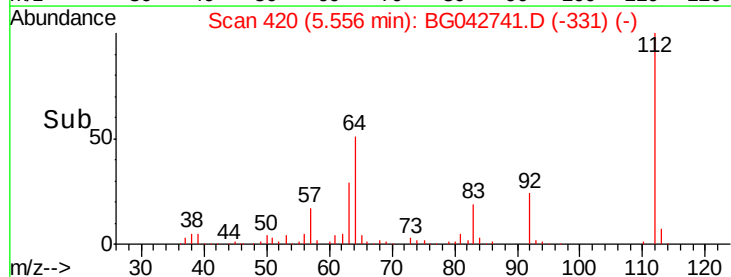
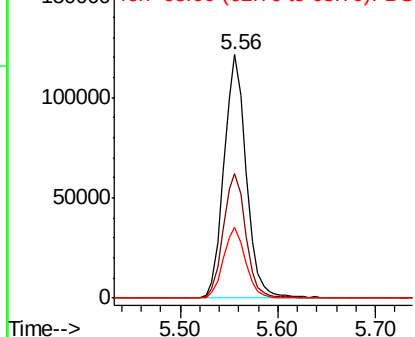
#5

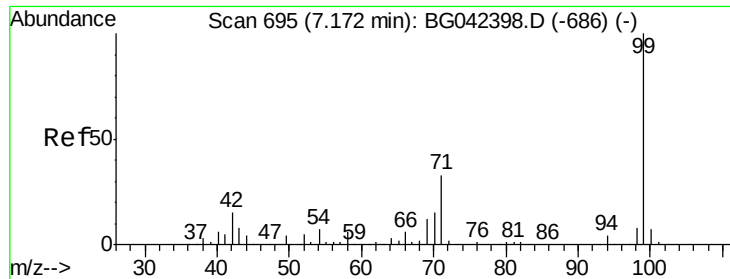
2-Fluorophenol
Concen: 121.813 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Tgt Ion:112 Resp: 191943
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 29.2 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: 100.657 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

Instrument :

BNA_G

ClientSampleId :

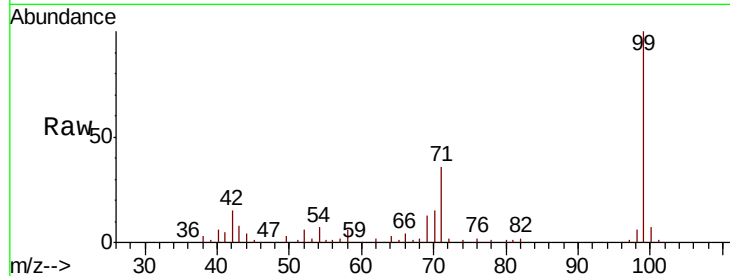
Tot Ion: 99 Resp: 214243

Ion Ratio Lower Upper

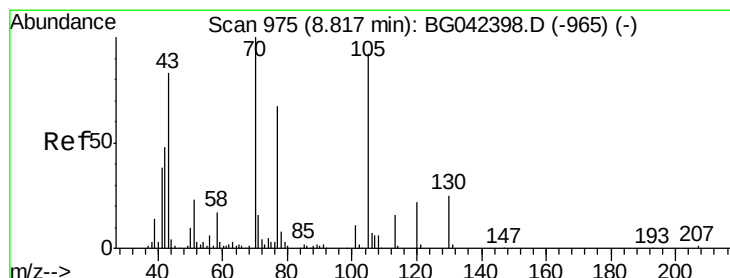
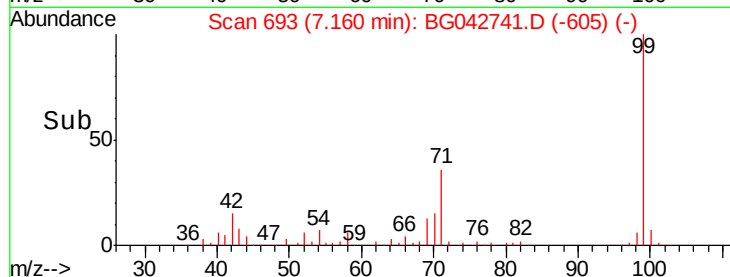
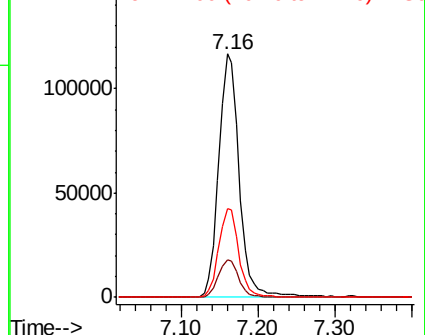
99 100

42 15.4 12.0 18.0

71 36.5 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: 14.941 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

Tgt Ion: 70 Resp: 20603

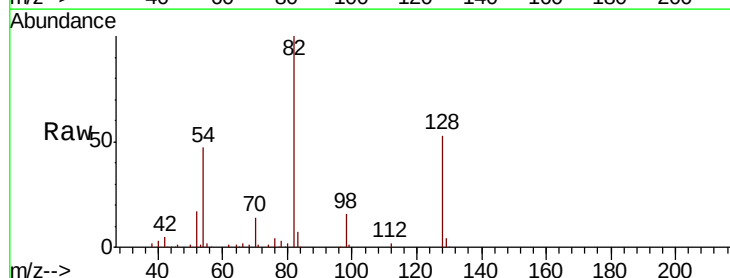
Ion Ratio Lower Upper

70 100

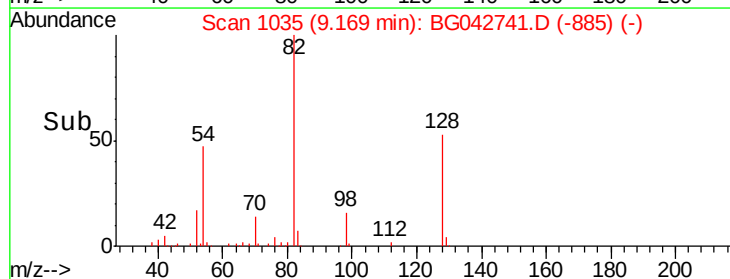
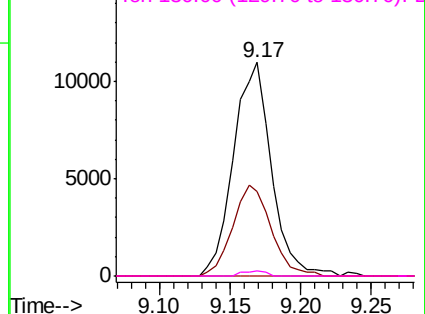
42 39.3 38.8 58.2

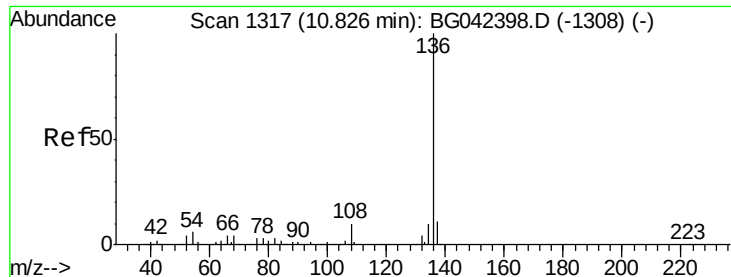
101 0.0 9.0 13.6#

130 2.6 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

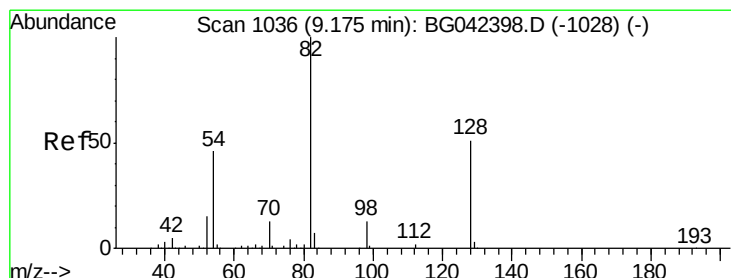
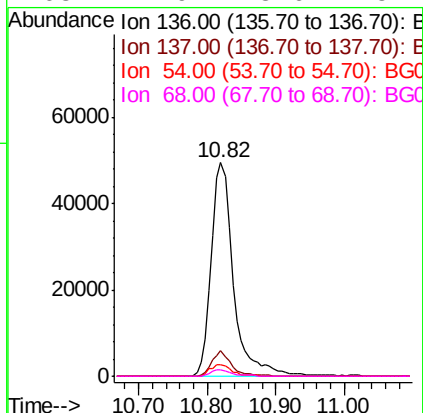
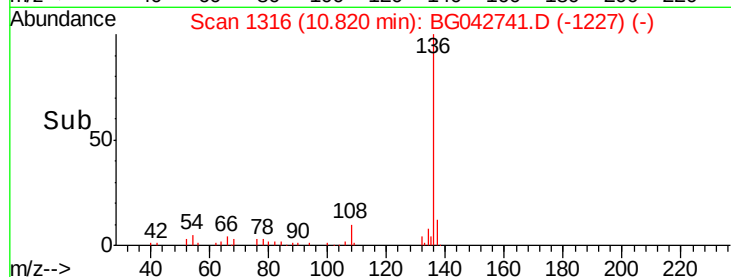
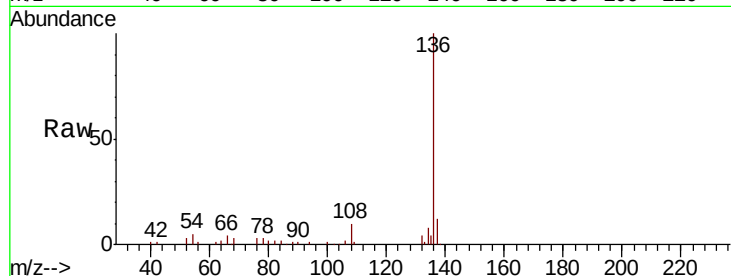




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

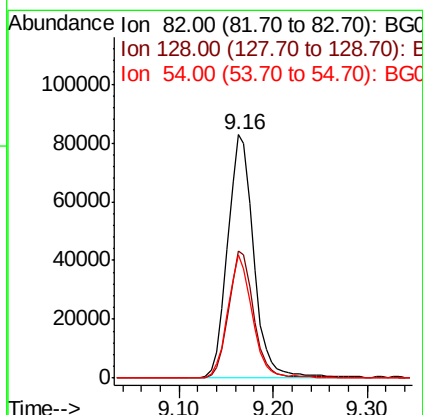
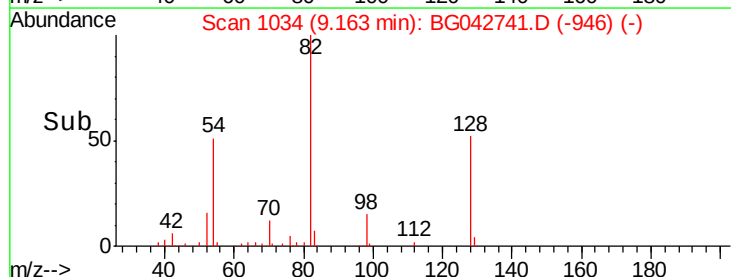
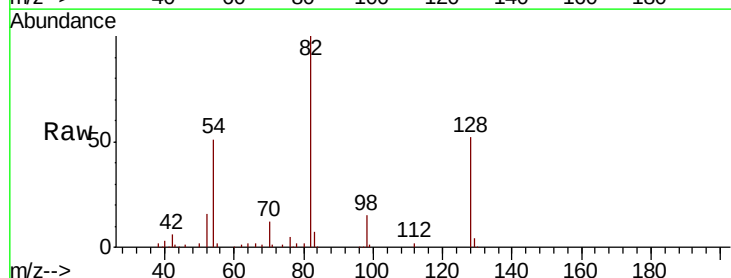
Instrument :
BNA_G
ClientSampleId :

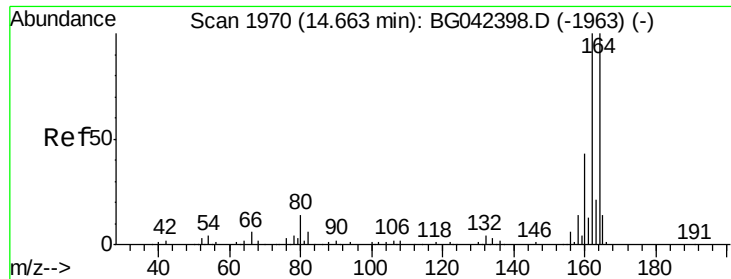
Tot Ion:136	Resp:	111430
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.7	13.1
54 5.2	4.9	7.3
68 2.9	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 99.030 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Tgt Ion: 82	Resp: 159686
Ion Ratio	Lower Upper
82 100	
128 52.2	40.7 61.1
54 50.6	36.3 54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

Instrument :

BNA_G

ClientSampled :

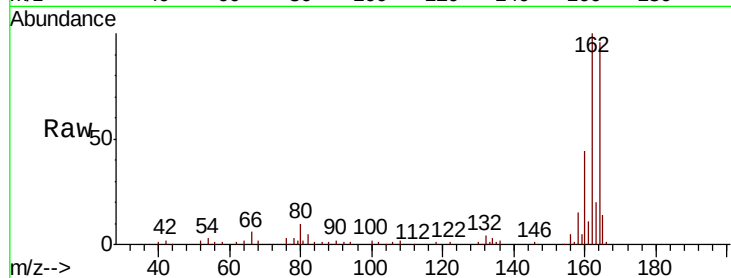
Tot Ion:164 Resp: 76210

Ion Ratio Lower Upper

164 100

162 104.3 79.9 119.9

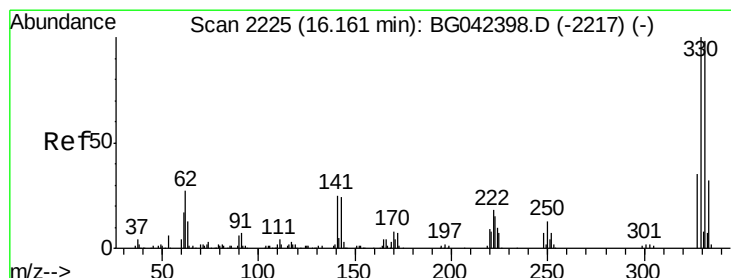
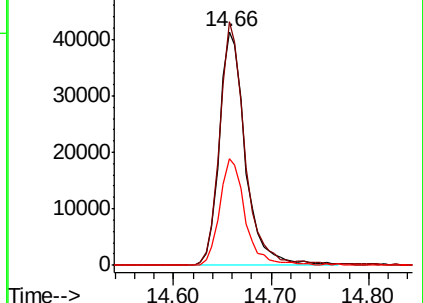
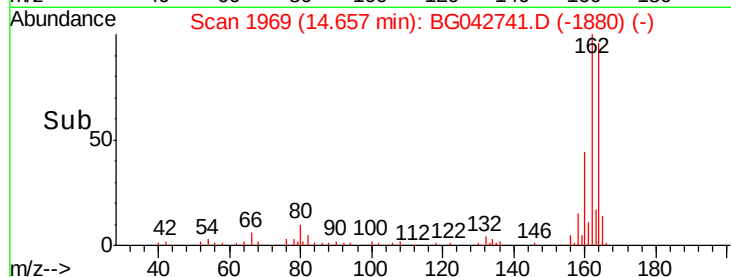
160 45.5 34.3 51.5



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: 157.403 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

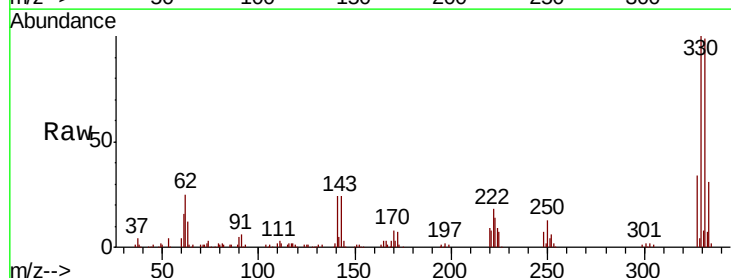
Tgt Ion:330 Resp: 170499

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

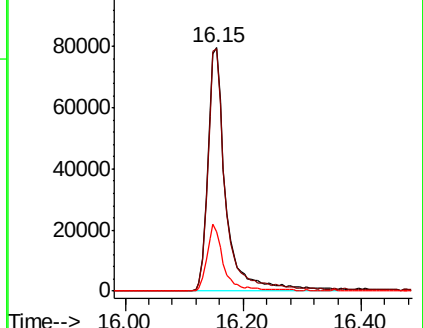
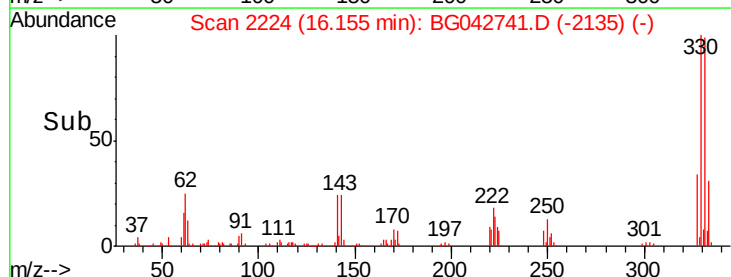
141 25.1 21.4 32.0

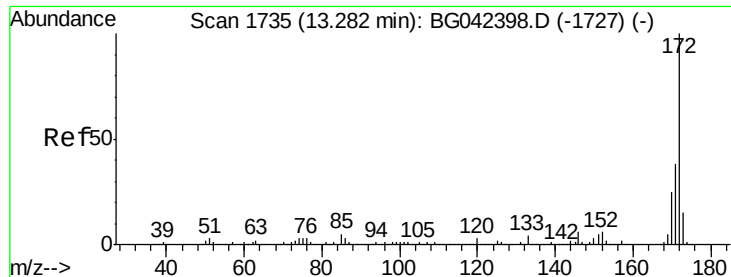


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

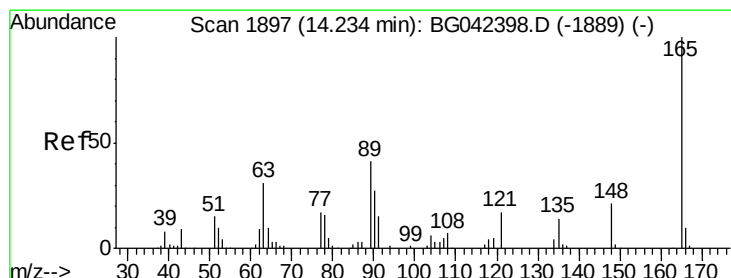
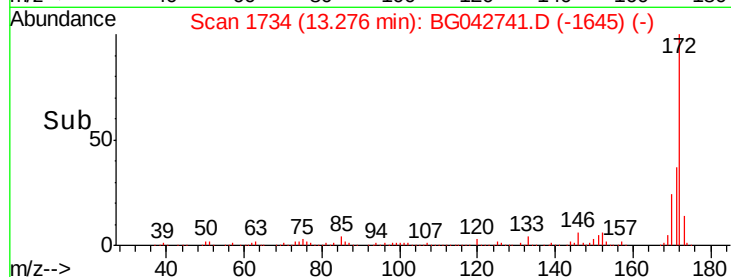
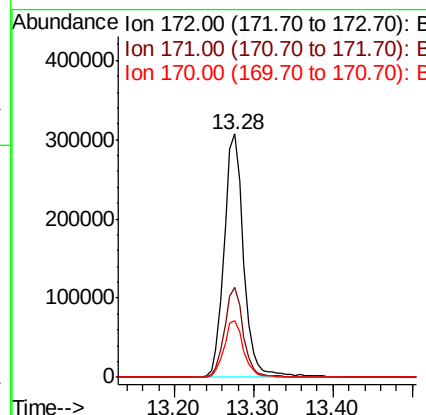
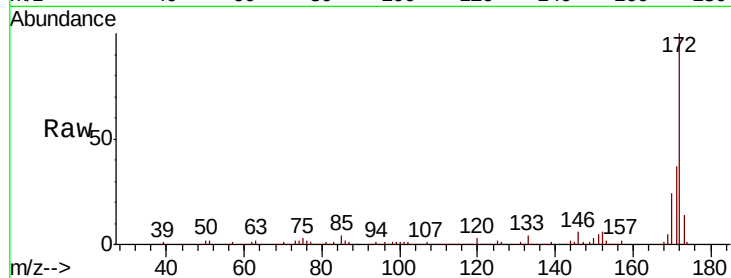




#45
 2-Fluorobiphenyl
 Concen: 116.916 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042741.D
 Acq: 6 Sep 2019 5:35

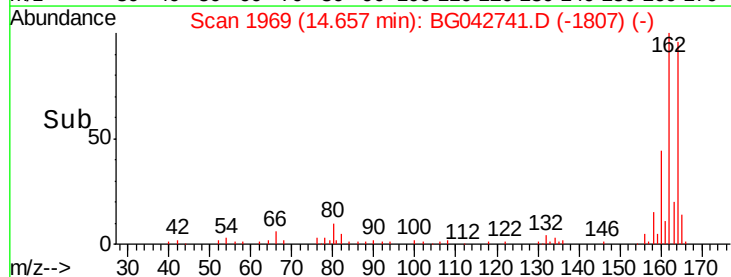
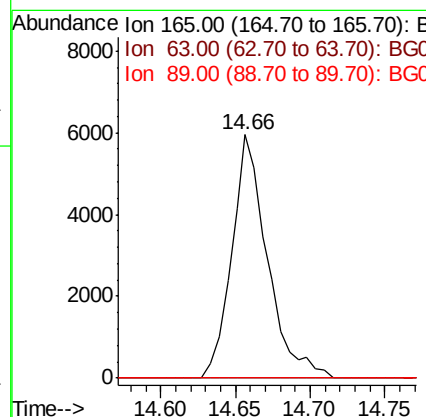
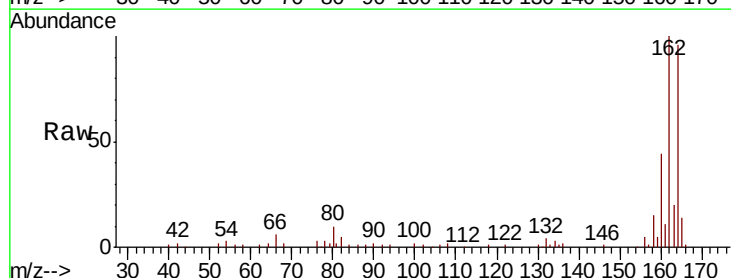
Instrument :
 BNA_G
 ClientSampleId :

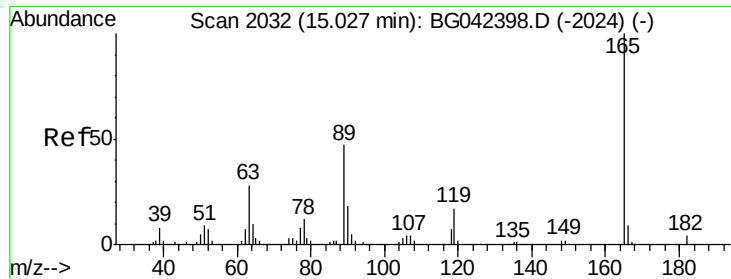
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	23.5	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.752 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042741.D
 Acq: 6 Sep 2019 5:35

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

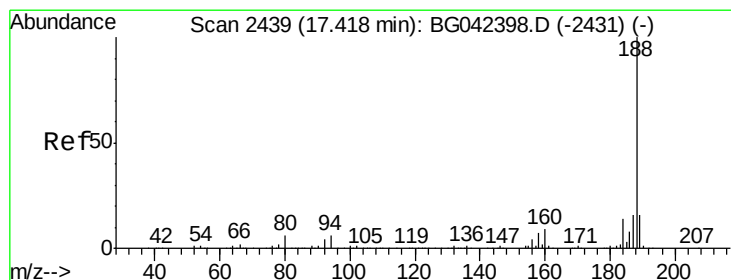
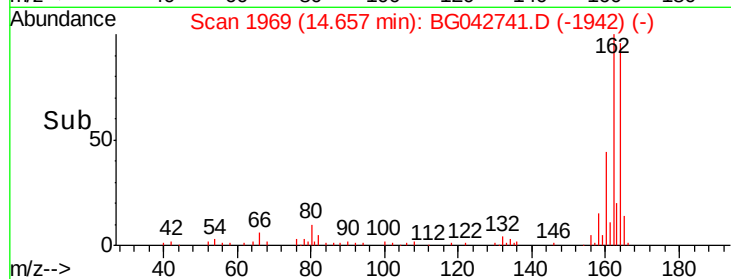
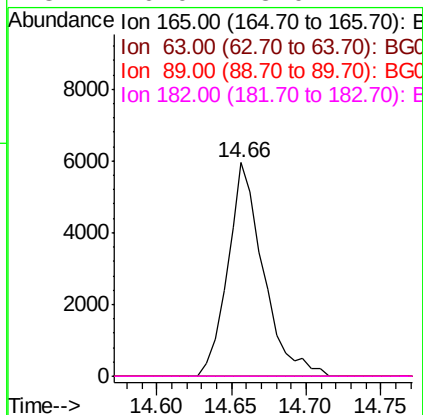
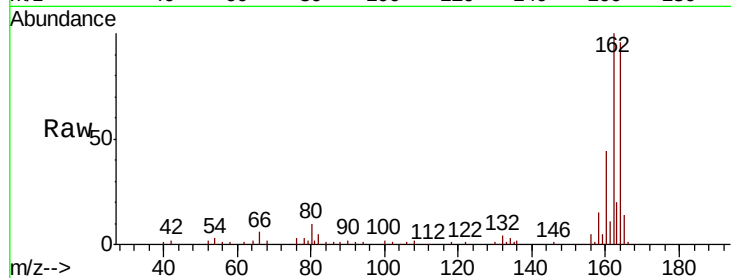




#57
 2,4-Dinitrotoluene
 Concen: 5.414 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042741.D
 Acq: 6 Sep 2019 5:35

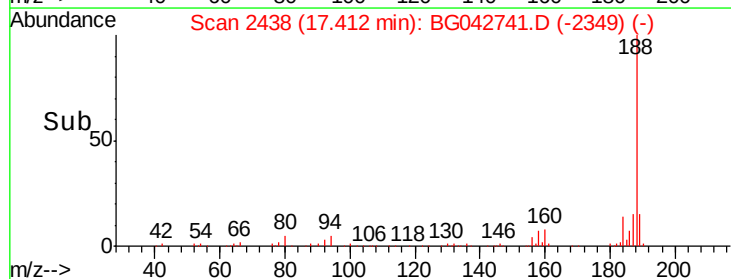
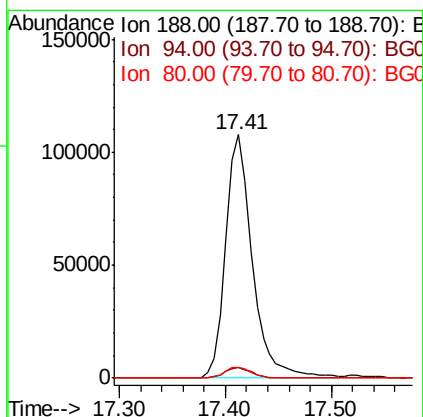
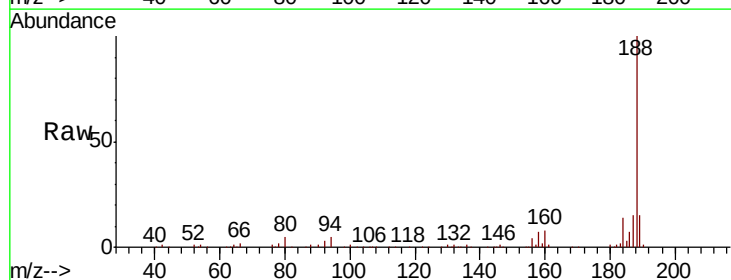
Instrument :
 BNA_G
 ClientSampleId :

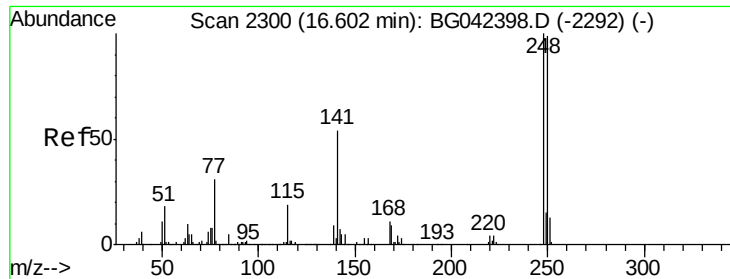
Tot Ion:165	Resp:	9881
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.5 33.7#
89	0.0	37.8 56.6#
182	0.0	3.0 4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042741.D
 Acq: 6 Sep 2019 5:35

Tgt Ion:188	Resp:	189248
Ion Ratio	Lower	Upper
188	100	
94	4.5	4.5 6.7
80	4.6	4.9 7.3#

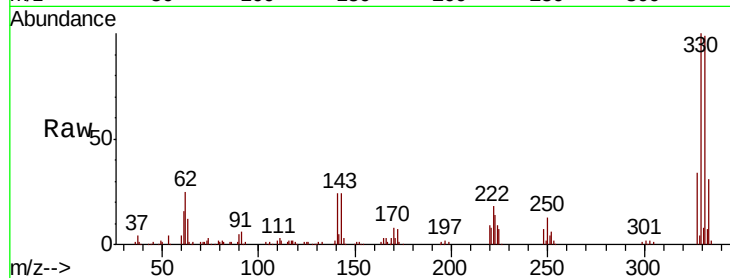




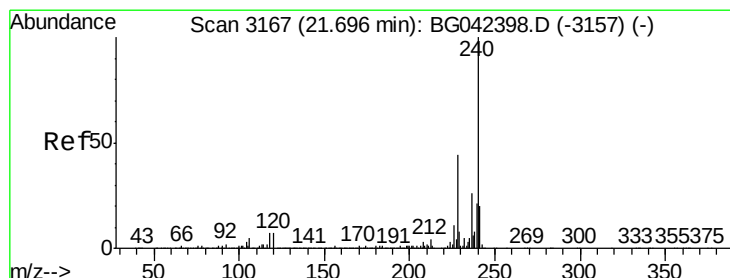
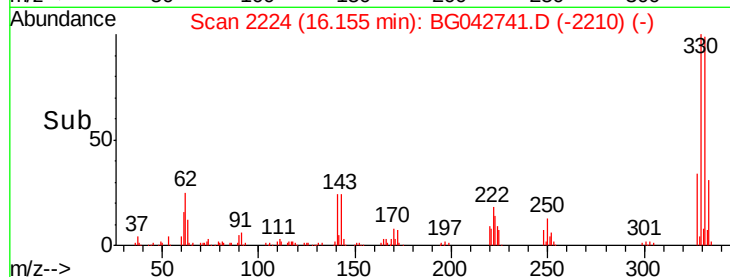
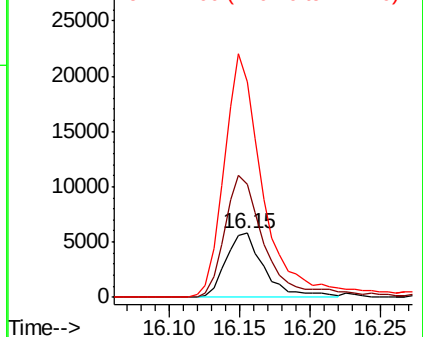
#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.45 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11042
Ion Ratio Lower Upper
248 100
250 175.3 78.9 118.3#
141 335.0 43.3 64.9#

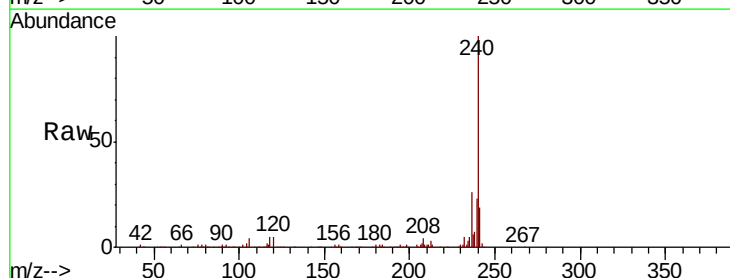


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

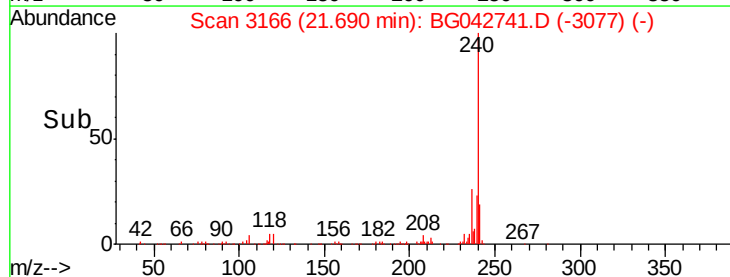
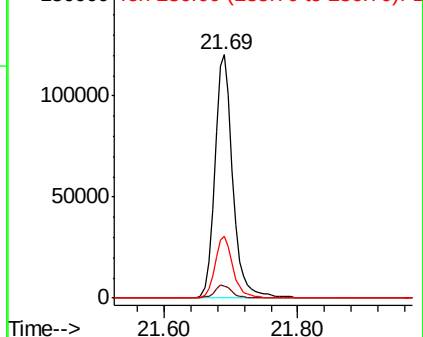


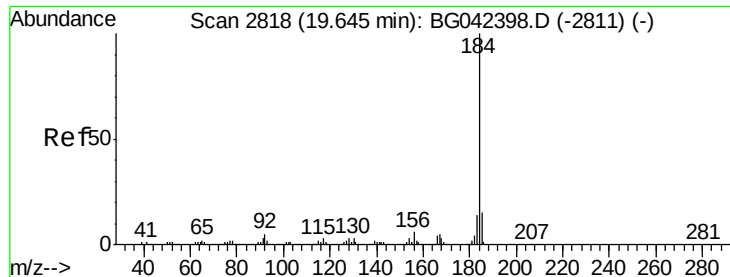
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Tgt Ion:240 Resp: 227883
Ion Ratio Lower Upper
240 100
120 5.1 5.7 8.5#
236 25.5 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





#77

Benzidine

Concen: 2.097 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

Instrument :

BNA_G

ClientSampleId :

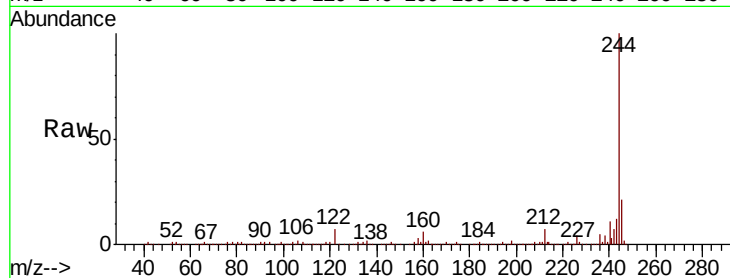
Tot Ion:184 Resp: 13699

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.4

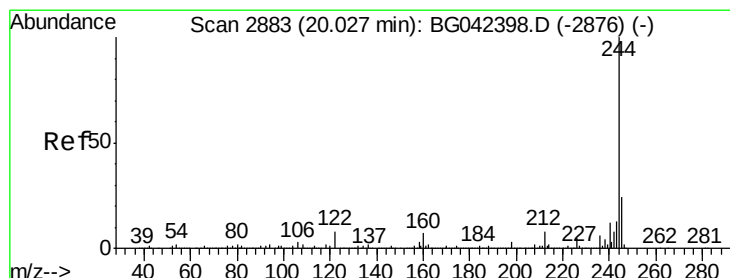
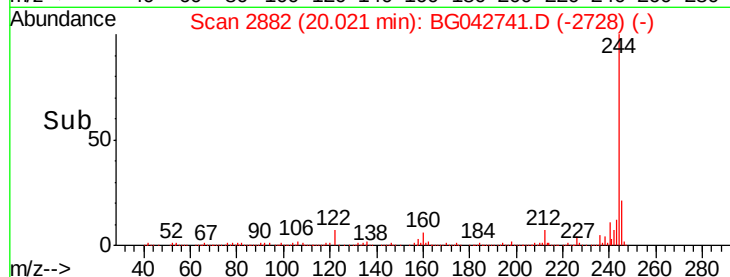
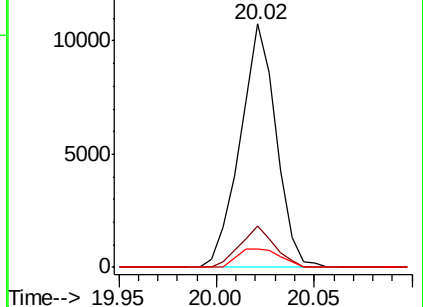
183 7.6 10.8 16.2#



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: 106.858 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042741.D

Acq: 6 Sep 2019 5:35

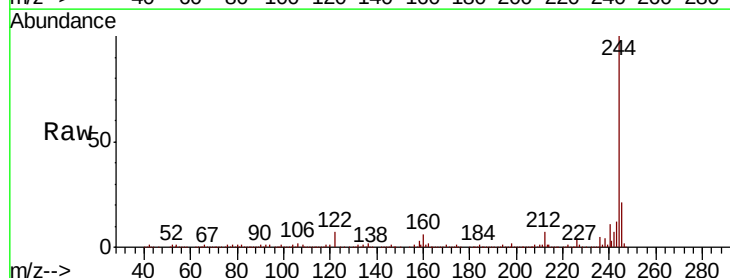
Tgt Ion:244 Resp: 1126365

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

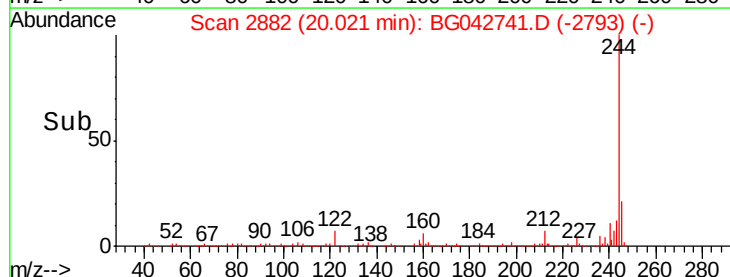
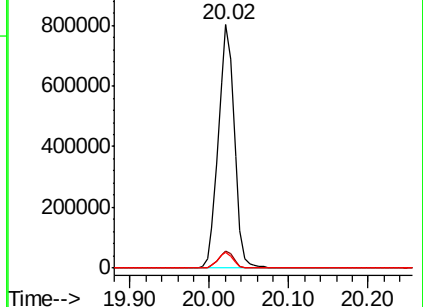
122 6.6 6.7 10.1#

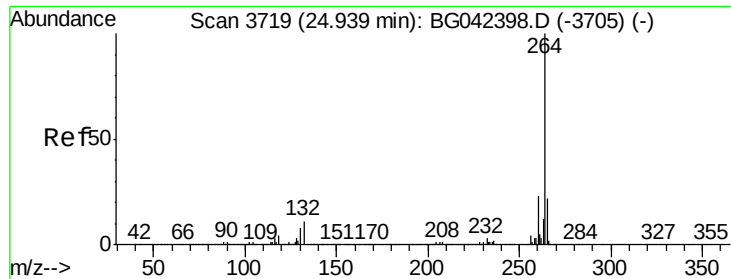


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042741.D
Acq: 6 Sep 2019 5:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.5	17.6	26.4

