

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042740.D
 Acq On : 6 Sep 2019 4:57
 Operator : HP/JU
 Sample : K4694-30
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 06:49:15 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

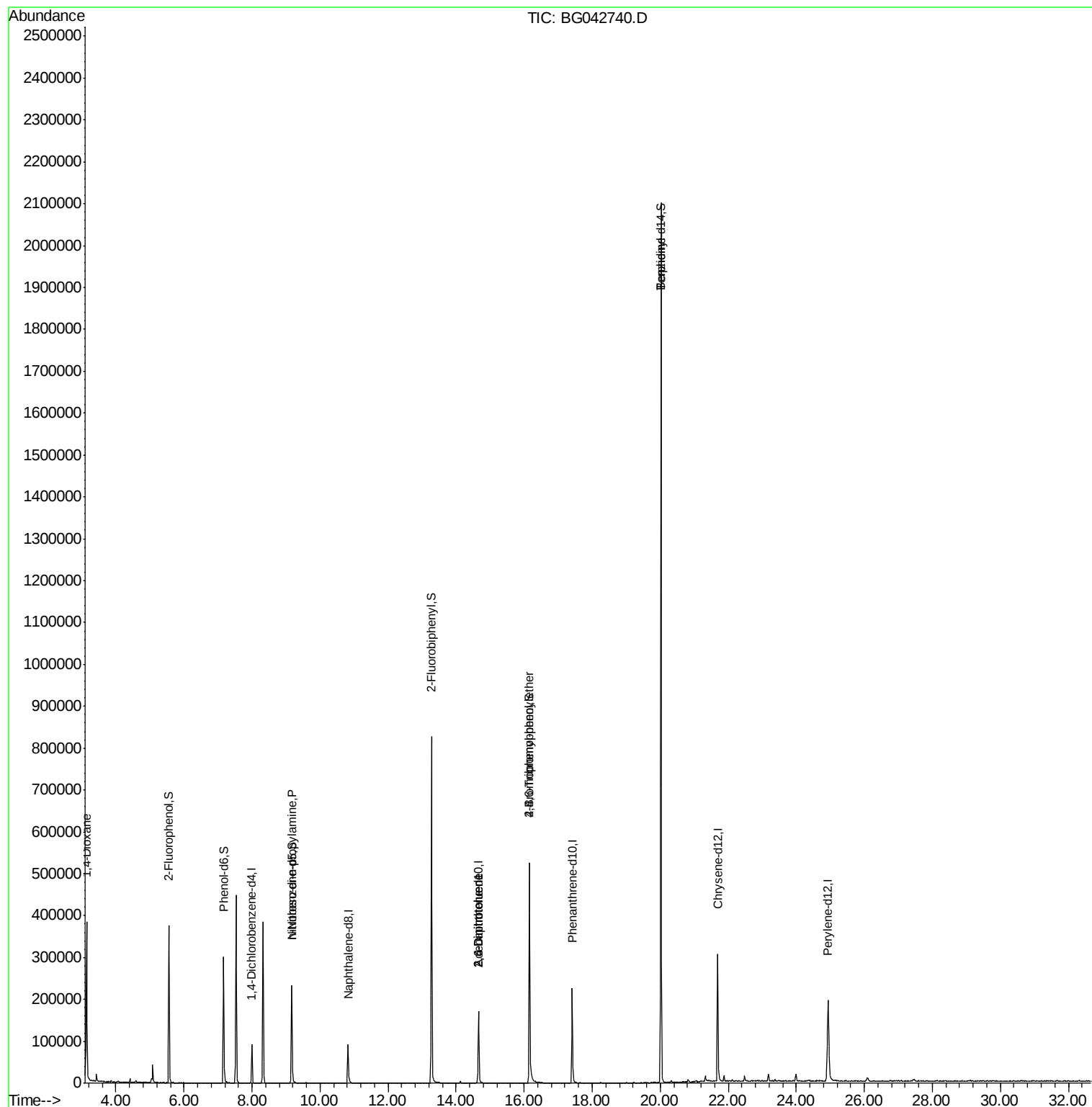
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	31185	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	111404	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	79431	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	188464	20.00	ng	0.00
76) Chrysene-d12	21.69	240	229058	20.00	ng	0.00
87) Perylene-d12	24.93	264	269769	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	181054	117.58	ng	0.00
7) Phenol-d6	7.16	99	200599	96.45	ng	0.00
23) Nitrobenzene-d5	9.17	82	157433	97.66	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	167894	148.71	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	517965	110.29	ng	0.00
79) Terphenyl-d14	20.02	244	1109780	104.74	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	4339	6.752	ng	# 1
19) n-Nitroso-di-n-propylamine	9.16	70	20404	15.142	ng	# 77
51) 2,6-Dinitrotoluene	14.66	165	10102	7.604	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	10102	5.310	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	10839	4.534	ng	# 1
77) Benzidine	20.02	184	14050	2.139	ng	# 94

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

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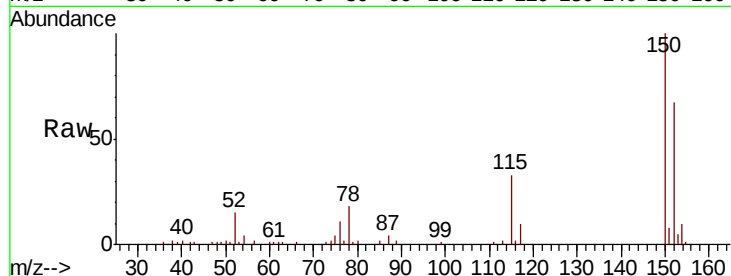


#1

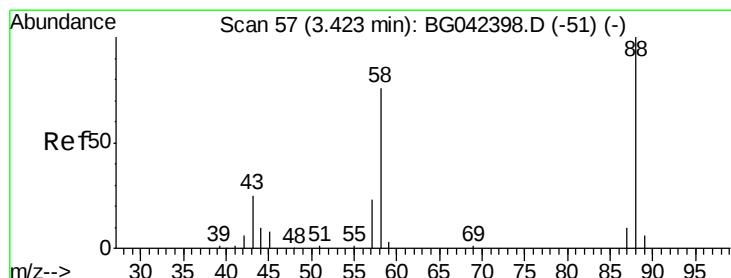
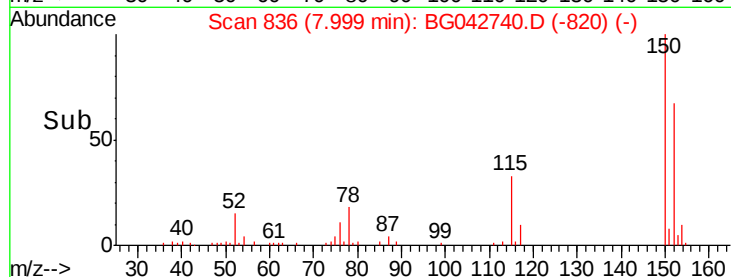
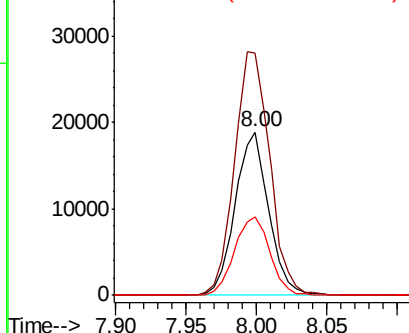
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042740.D
Acq: 6 Sep 2019 4:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	125.4	188.0
115	48.3	38.5	57.7



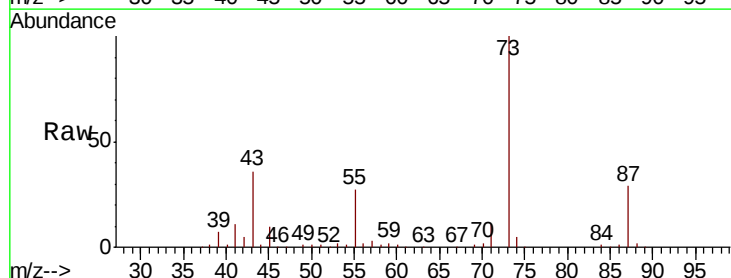
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



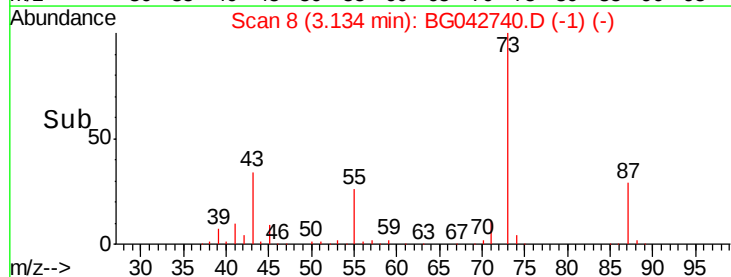
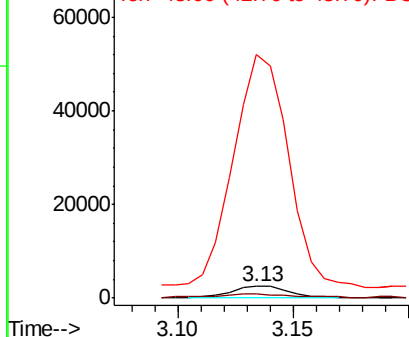
#2

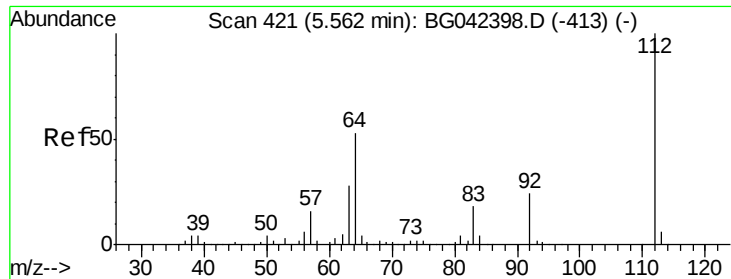
1,4-Dioxane
Concen: 6.752 ng
RT: 3.13 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042740.D
Acq: 6 Sep 2019 4:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.5	58.3	87.5#
43	1884.0	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: 117.584 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

Instrument :

BNA_G

ClientSampled :

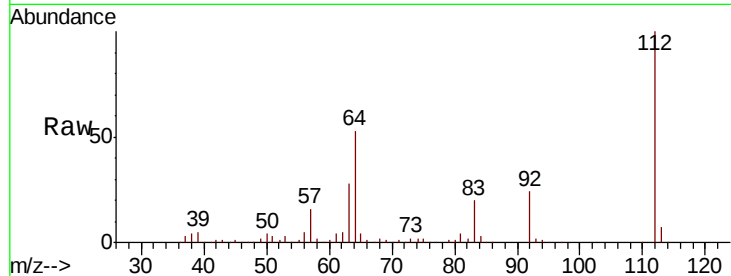
Tot Ion: 112 Resp: 181054

Ion Ratio Lower Upper

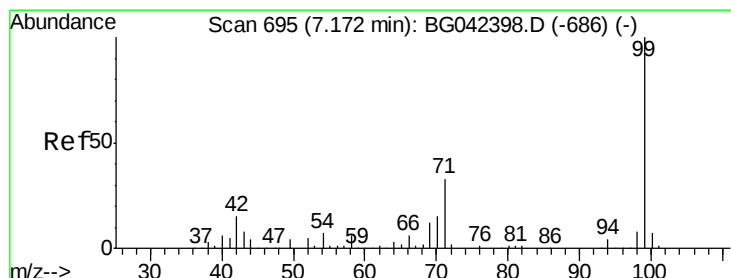
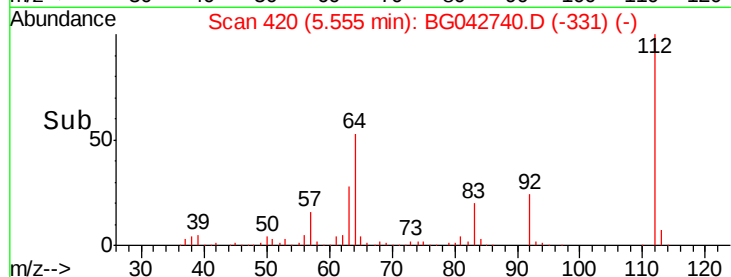
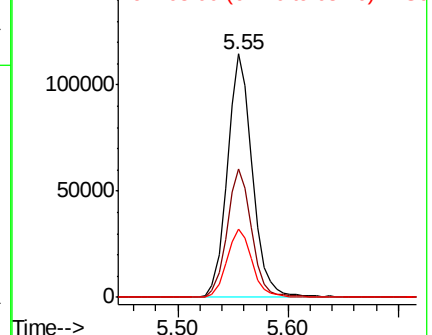
112 100

64 52.8 42.8 64.2

63 28.1 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: 96.447 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

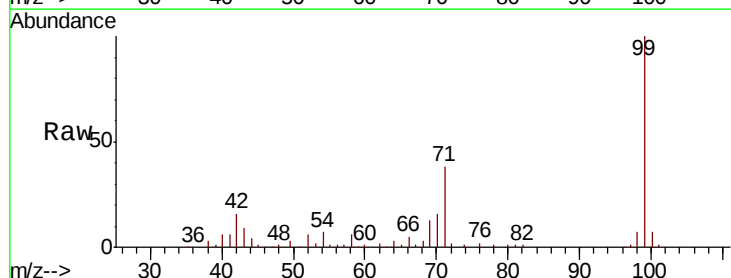
Tgt Ion: 99 Resp: 200599

Ion Ratio Lower Upper

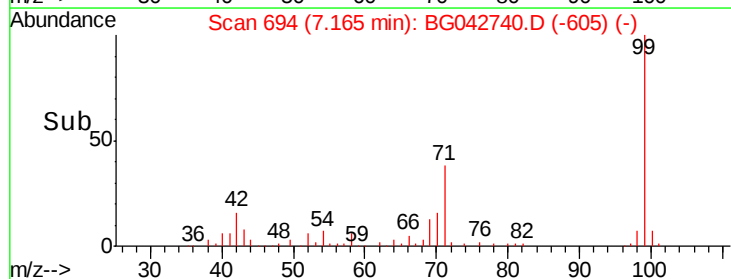
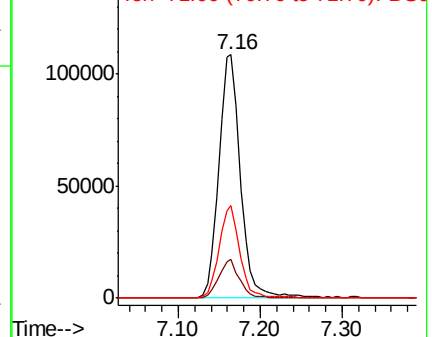
99 100

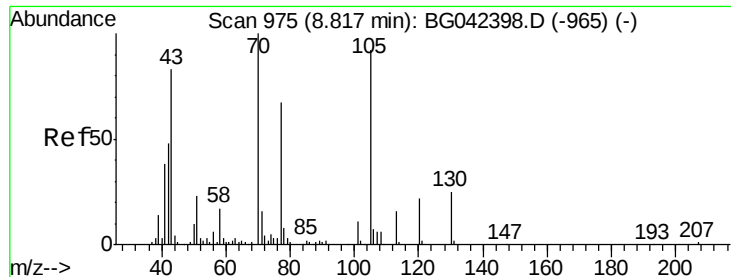
42 15.9 12.0 18.0

71 37.8 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

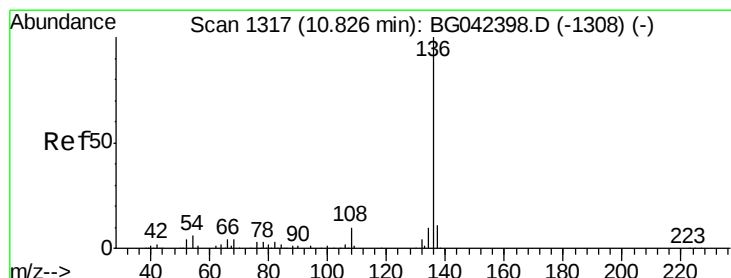
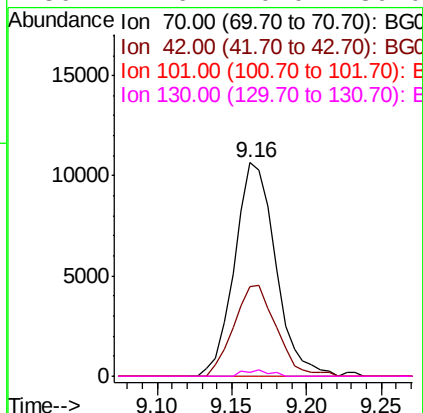
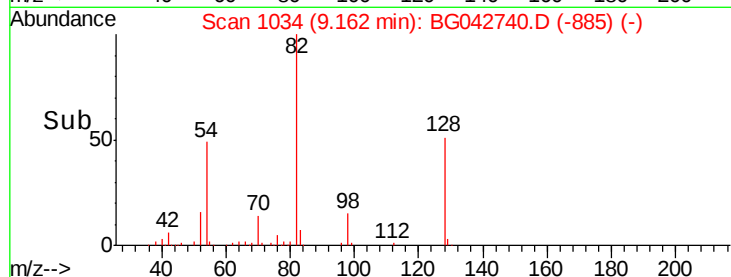
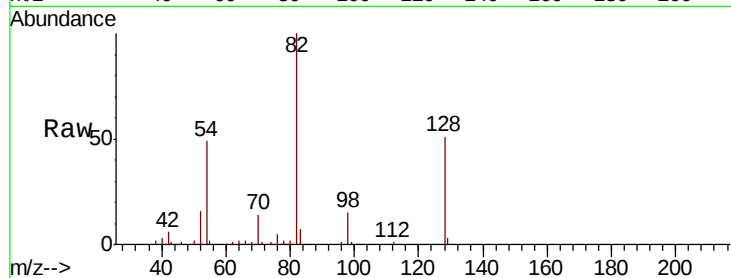




#19
n-Nitroso-di-n-propylamine
Concen: 15.142 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042740.D
Acq: 6 Sep 2019 4:57

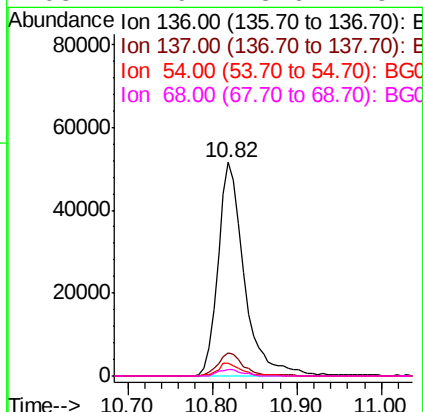
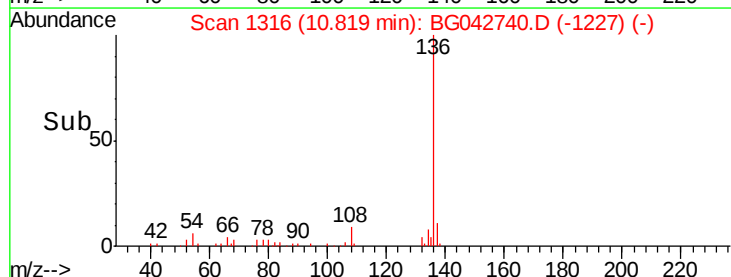
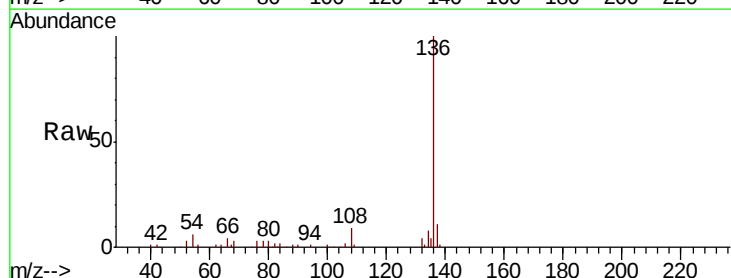
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 20404
Ion Ratio Lower Upper
70 100
42 41.9 38.8 58.2
101 0.0 9.0 13.6#
130 1.6 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: BG042740.D
Acq: 6 Sep 2019 4:57

Tgt Ion: 136 Resp: 111404
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 5.8 4.9 7.3
68 2.9 3.6 5.4#

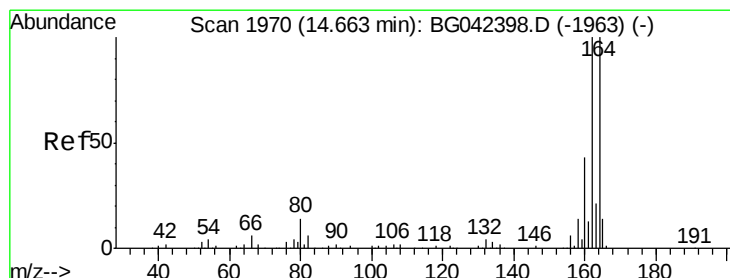
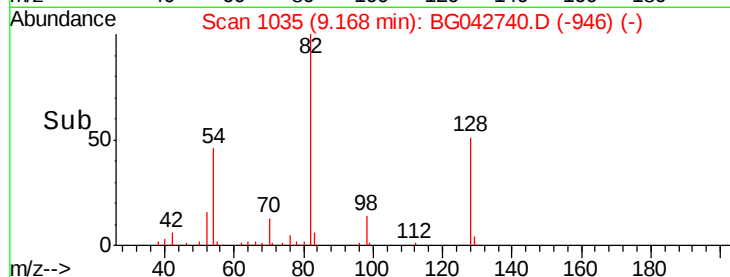
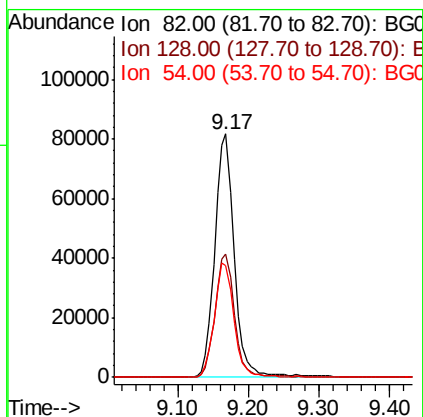
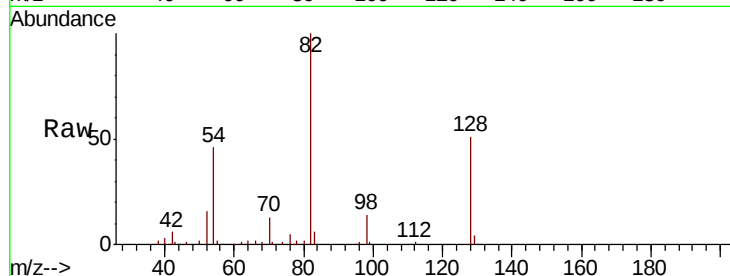




#23
Nitrobenzene-d5
Concen: 97.656 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042740.D
Acq: 6 Sep 2019 4:57

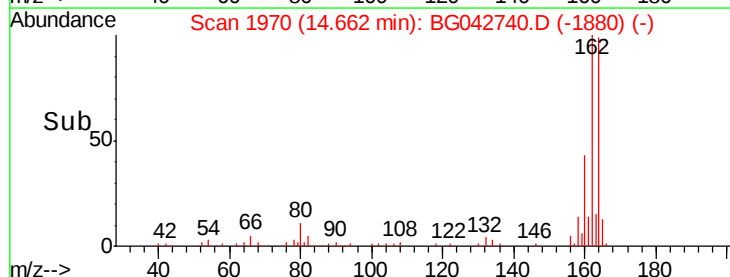
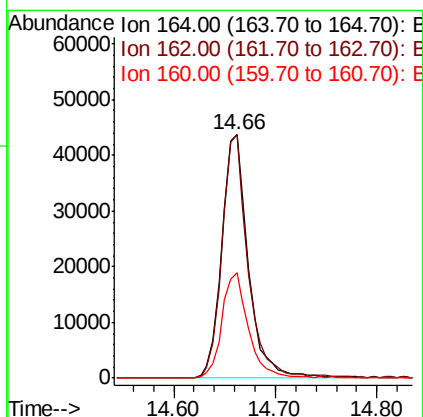
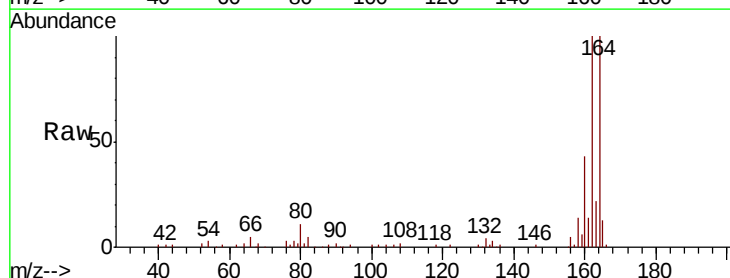
Instrument :
BNA_G
ClientSampleId :

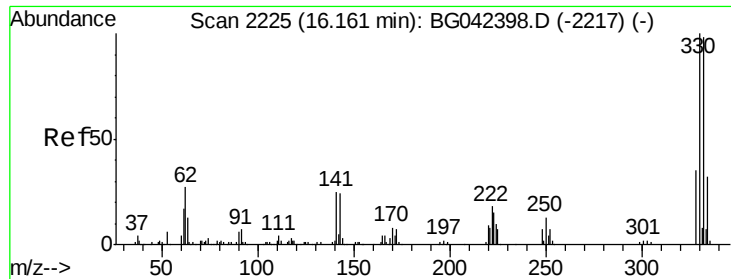
Tot Ion: 82 Resp: 157433
Ion Ratio Lower Upper
82 100
128 50.5 40.7 61.1
54 45.8 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042740.D
Acq: 6 Sep 2019 4:57

Tgt Ion: 164 Resp: 79431
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 43.3 34.3 51.5

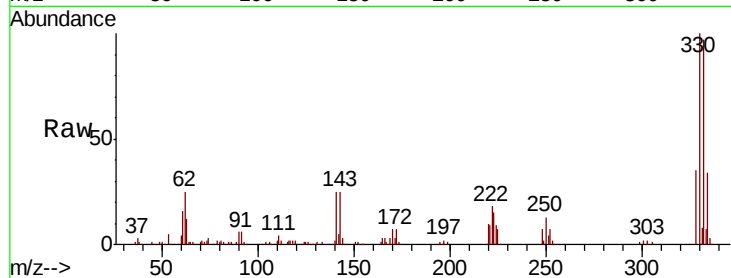




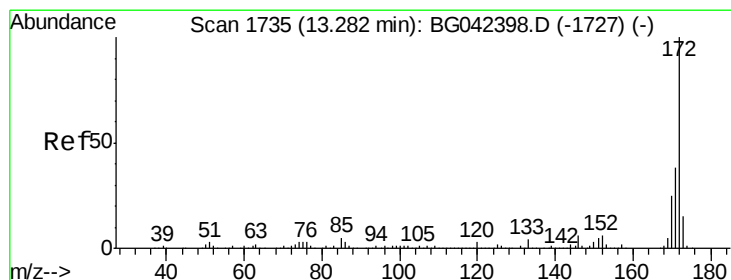
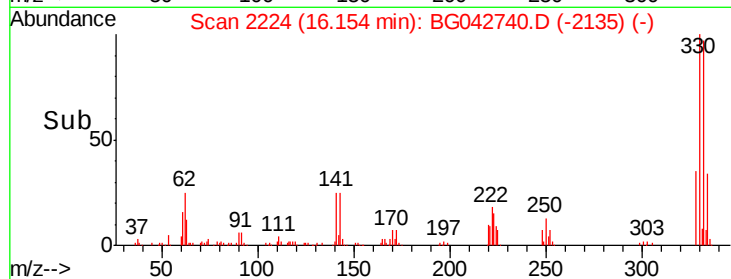
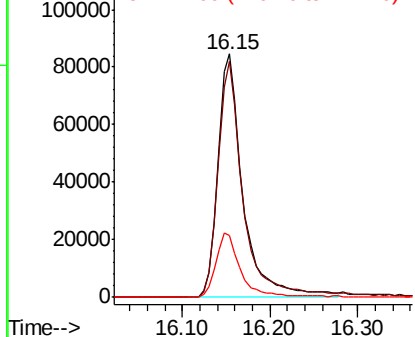
#42
 2,4,6-Tribromophenol
 Concen: 148.713 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.4	116.0
141	26.2	21.4	32.0

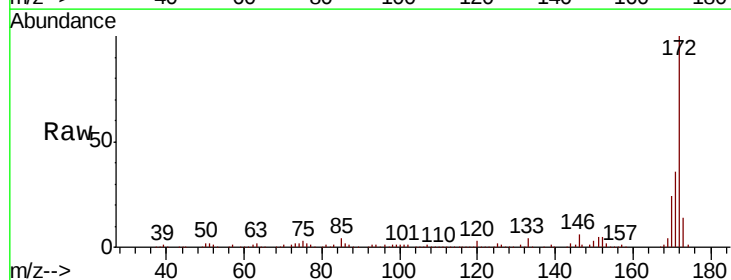


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

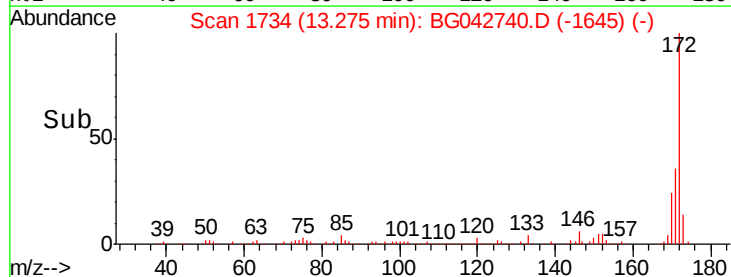
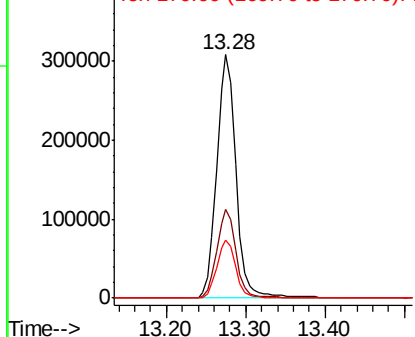


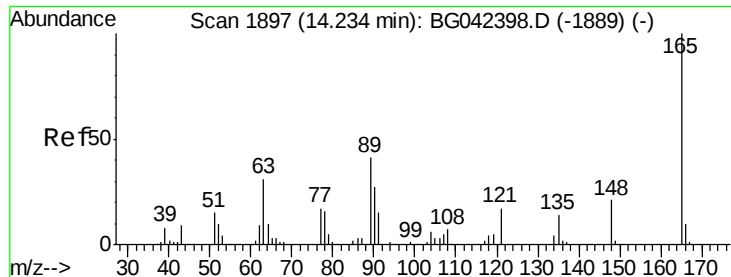
#45
 2-Fluorobiphenyl
 Concen: 110.288 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.5	45.7
170	23.8	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

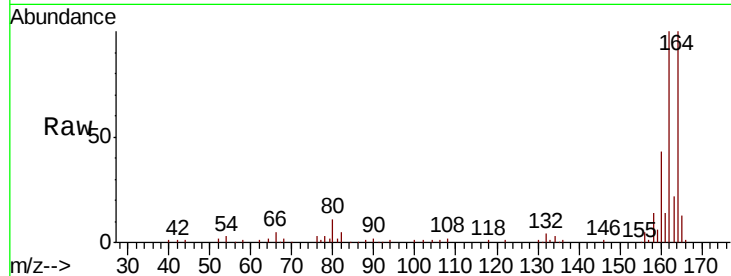




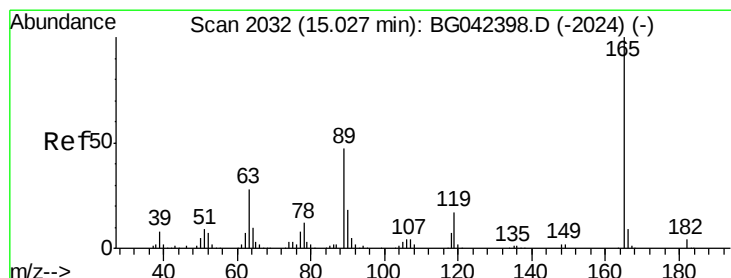
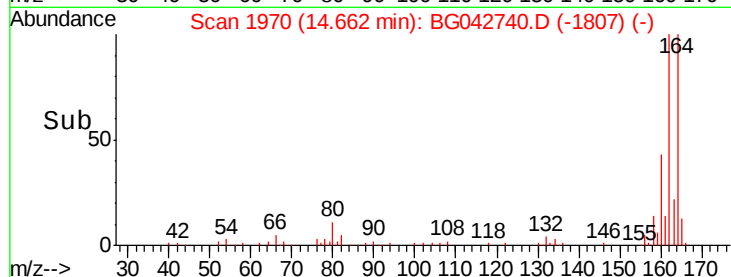
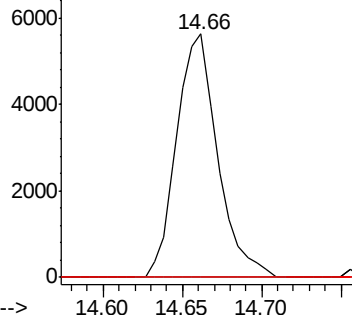
#51
 2,6-Dinitrotoluene
 Concen: 7.604 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

Instrument :
 BNA_G
 ClientSampleId :

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



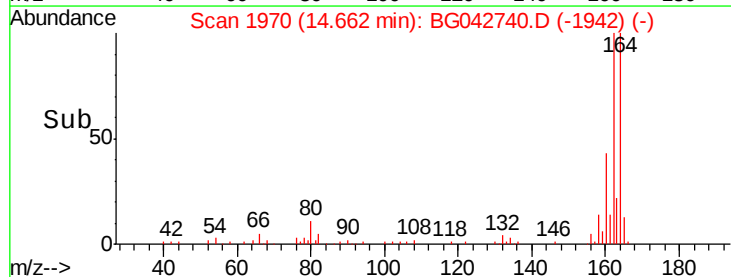
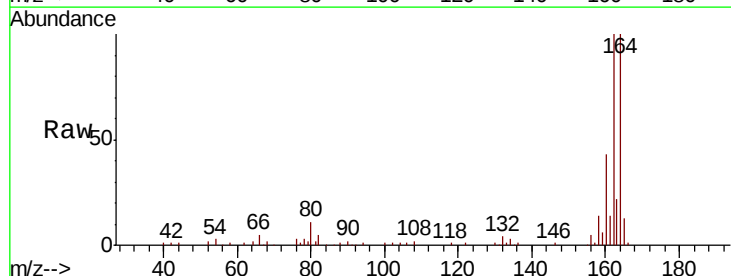
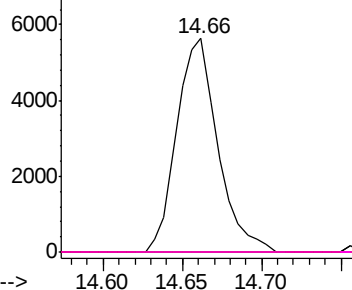
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.310 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

Tgt 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# 2438

Delta R.T. -0.01 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

Instrument :

BNA_G

ClientSampled :

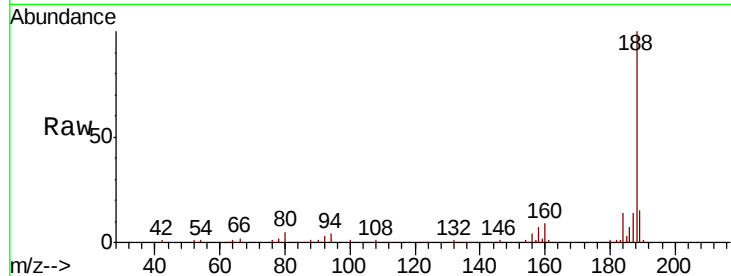
Tot Ion:188 Resp: 188464

Ion Ratio Lower Upper

188 100

94 4.3 4.5 6.7#

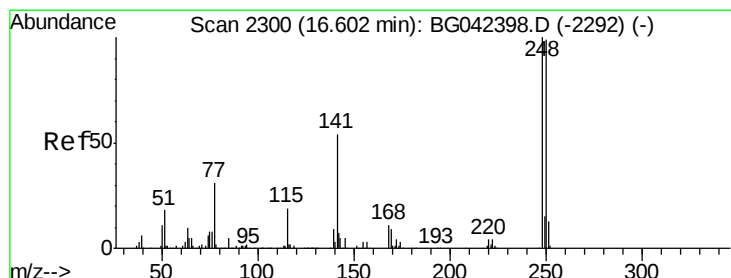
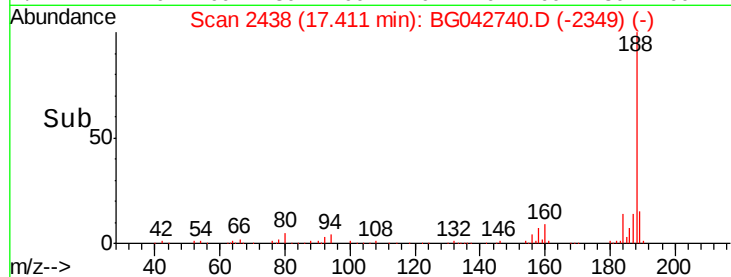
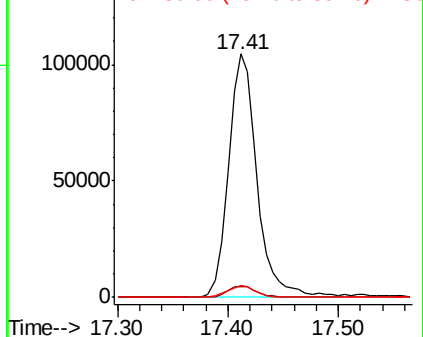
80 5.0 4.9 7.3



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: 4.534 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

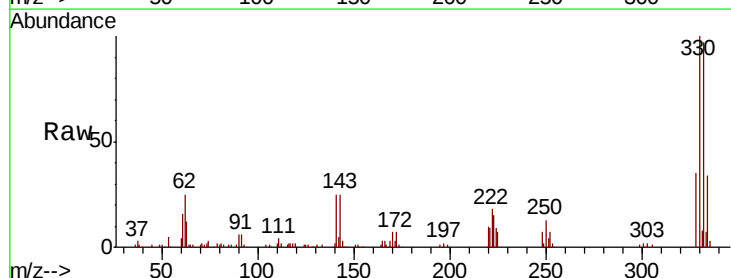
Tgt Ion:248 Resp: 10839

Ion Ratio Lower Upper

248 100

250 187.8 78.9 118.3#

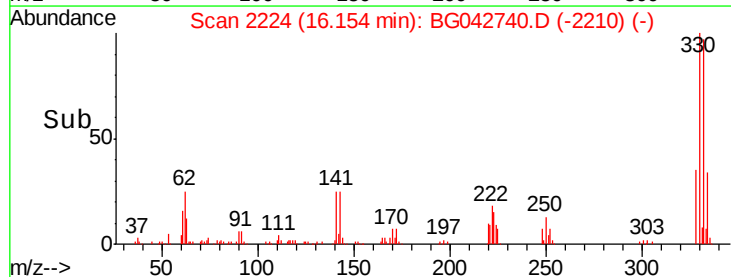
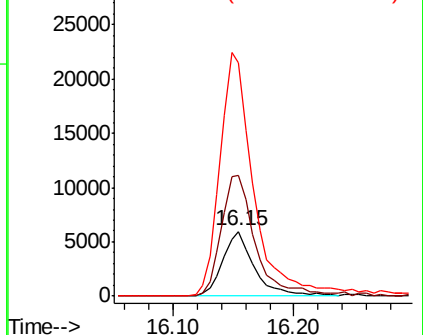
141 361.3 43.3 64.9#



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

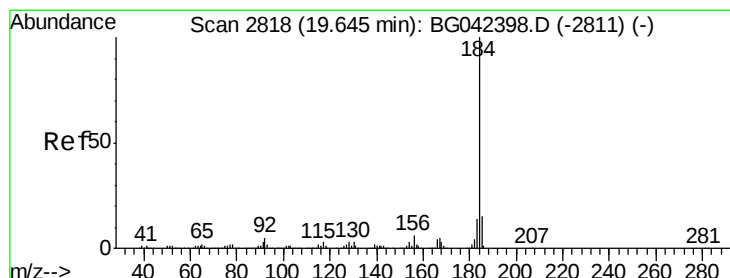
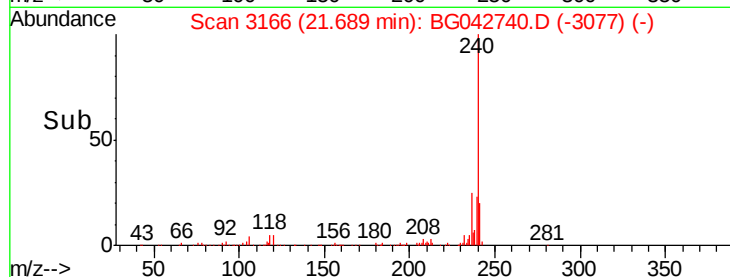
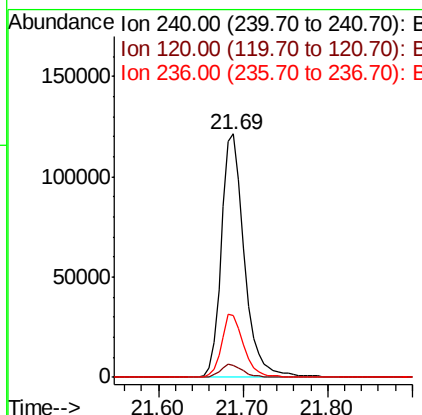
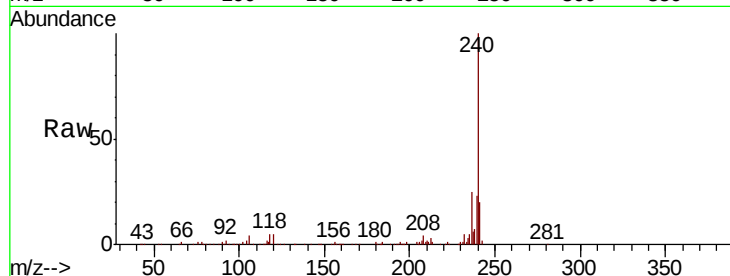




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

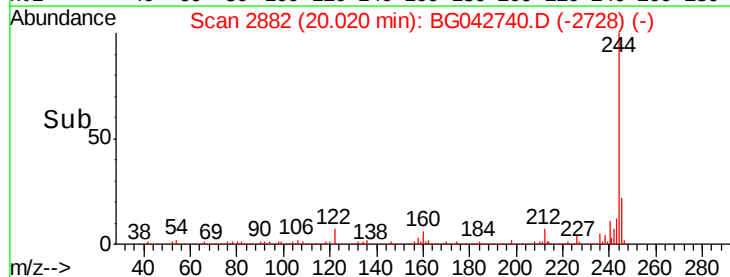
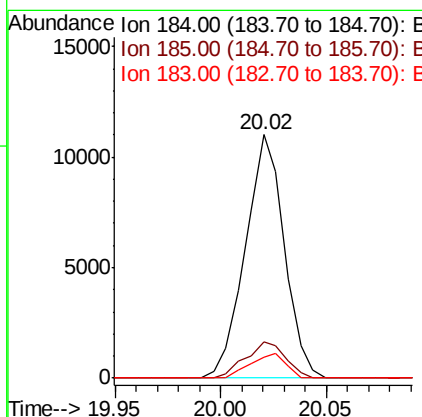
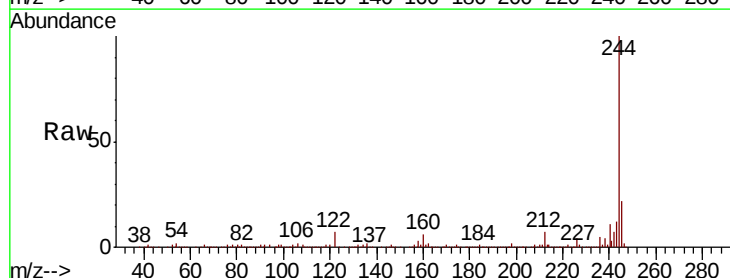
Instrument :
 BNA_G
 ClientSampleId :

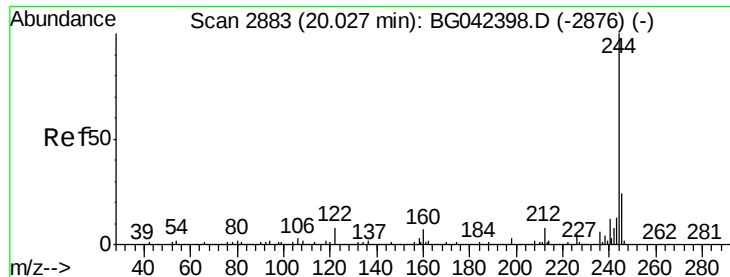
Tot Ion:240 Resp: 229058
 Ion Ratio Lower Upper
 240 100
 120 5.0 5.7 8.5#
 236 25.4 21.0 31.4



#77
 Benzidine
 Concen: 2.139 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. 0.37 min
 Lab File: BG042740.D
 Acq: 6 Sep 2019 4:57

Tgt Ion:184 Resp: 14050
 Ion Ratio Lower Upper
 184 100
 185 15.1 12.2 18.4
 183 8.8 10.8 16.2#





#79

Terphenyl-d14

Concen: 104.744 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

Instrument :

BNA_G

ClientSampled :

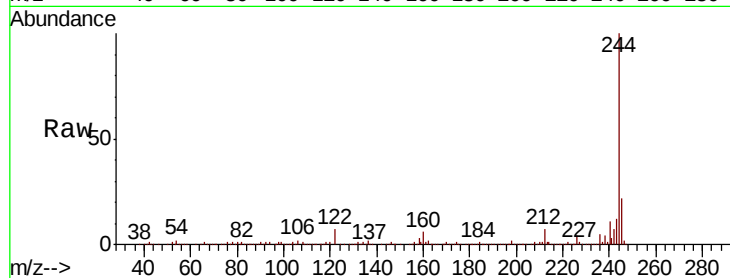
Tot Ion:244 Resp: 1109780

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

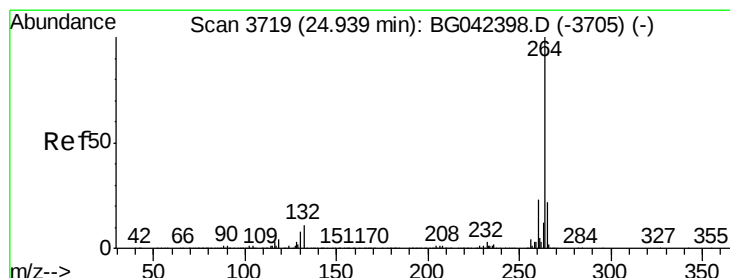
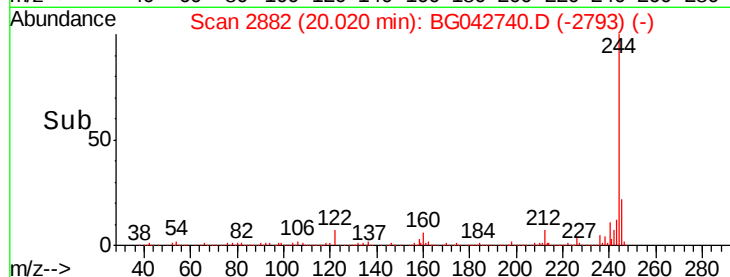
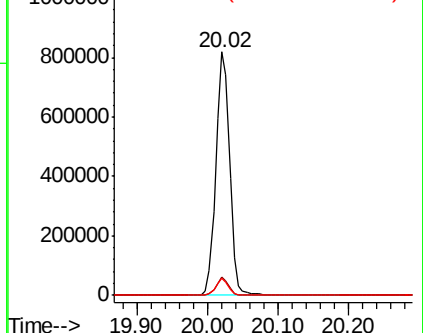
122 6.9 6.7 10.1



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# 3718

Delta R.T. -0.01 min

Lab File: BG042740.D

Acq: 6 Sep 2019 4:57

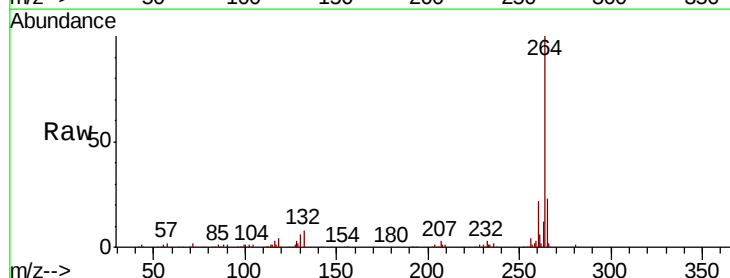
Tgt Ion:264 Resp: 269769

Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

265 23.1 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

