

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\
 Data File : BG042758.D
 Acq On : 6 Sep 2019 21:47
 Operator : HP/JU
 Sample : K4696-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 01:20:48 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

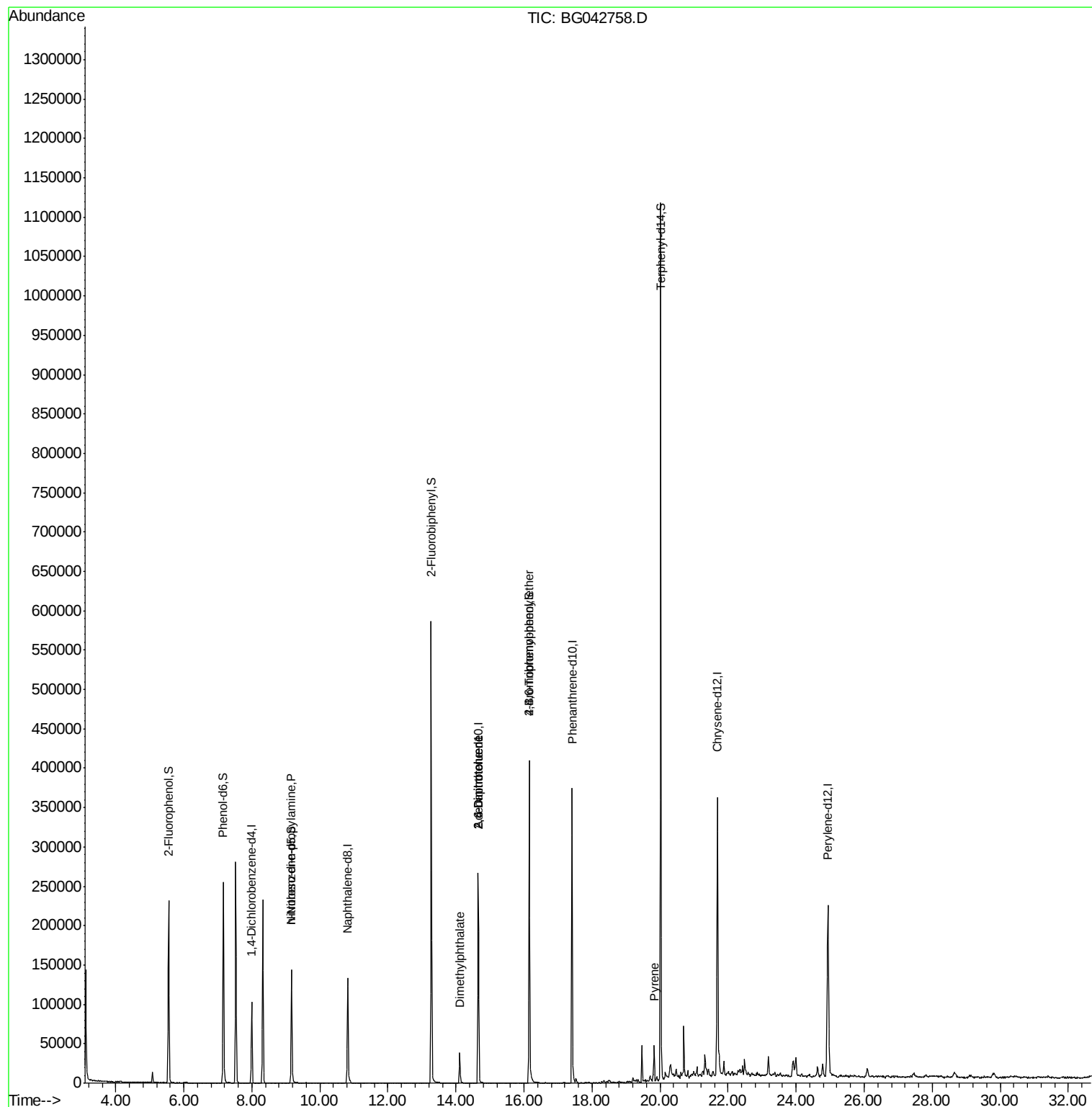
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	35580	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	144435	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	117139	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	276932	20.00	ng	0.00
76) Chrysene-d12	21.69	240	225162	20.00	ng	0.00
87) Perylene-d12	24.93	264	271026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	117866	67.09	ng	0.00
7) Phenol-d6	7.16	99	171649	72.33	ng	0.00
23) Nitrobenzene-d5	9.17	82	100197	47.94	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	116027	69.69	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	363252	52.45	ng	0.00
79) Terphenyl-d14	20.02	244	603709	57.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	13070	8.502	ng	Qvalue # 72
50) Dimethylphthalate	14.11	163	43565	5.154	ng	98
51) 2,6-Dinitrotoluene	14.65	165	14962	7.637	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	14962	5.333	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	7354	2.094	ng	# 1
78) Pyrene	19.83	202	32891	2.383	ng	97

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

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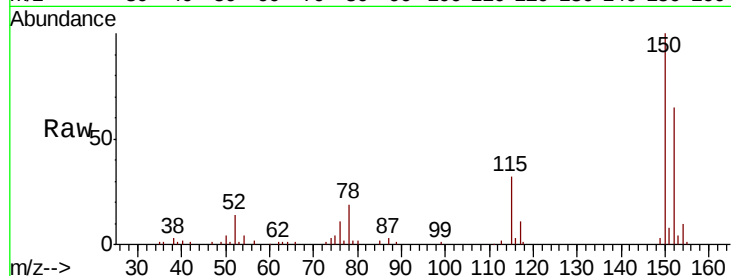


#1

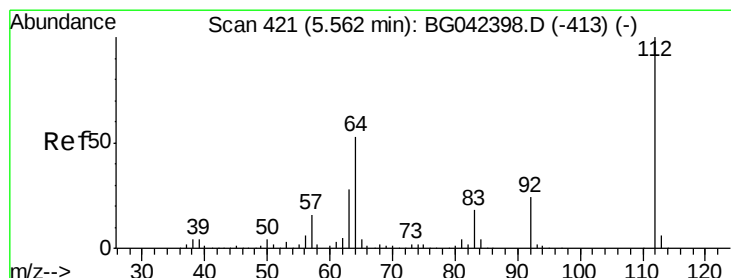
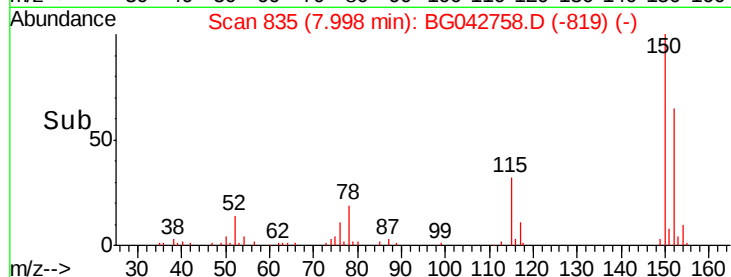
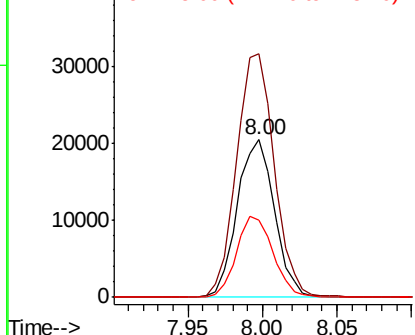
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35580
Ion Ratio Lower Upper
152 100
150 154.4 125.4 188.0
115 49.0 38.5 57.7



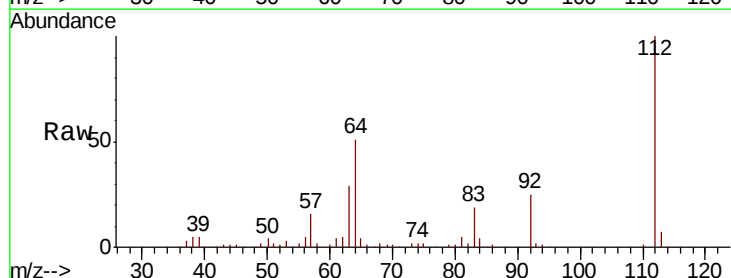
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



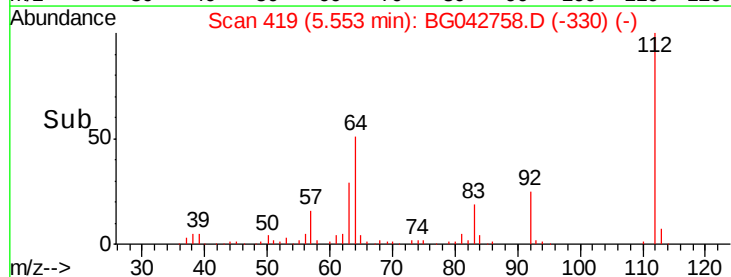
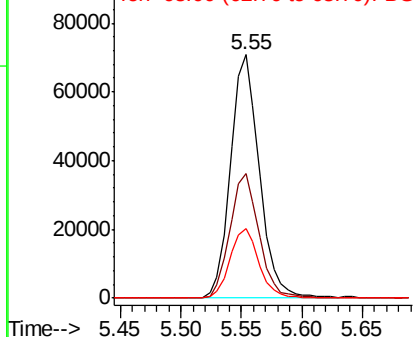
#5

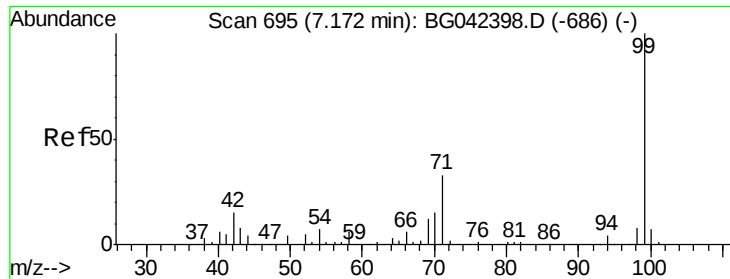
2-Fluorophenol
Concen: 67.092 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion:112 Resp: 117866
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 28.7 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: 72.334 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042758.D

Acq: 6 Sep 2019 21:47

Instrument :

BNA_G

ClientSampleId :

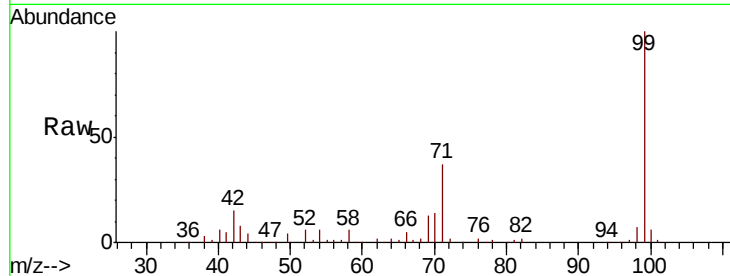
Tot Ion: 99 Resp: 171649

Ion Ratio Lower Upper

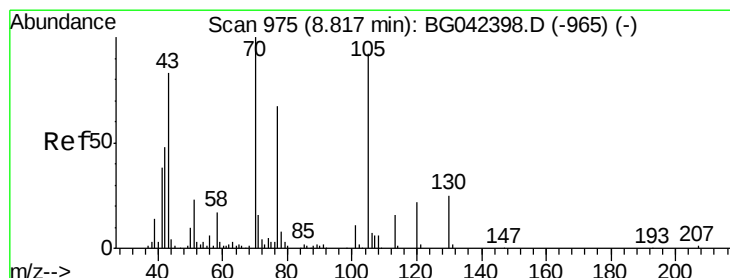
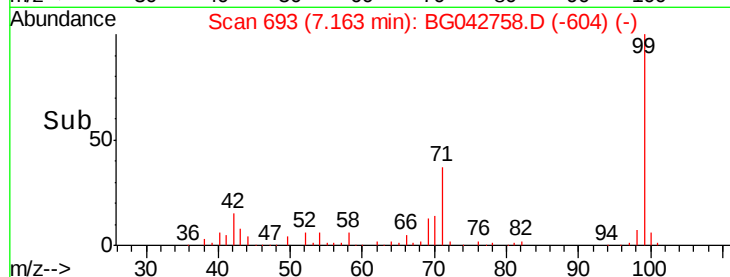
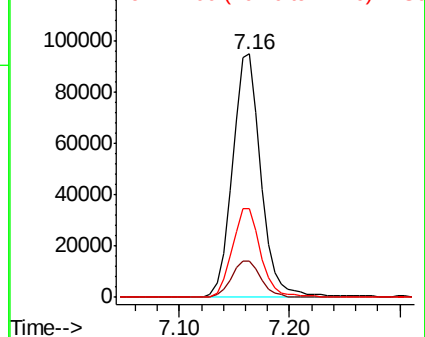
99 100

42 14.9 12.0 18.0

71 36.6 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: 8.502 ng

RT: 9.17 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042758.D

Acq: 6 Sep 2019 21:47

Tgt Ion: 70 Resp: 13070

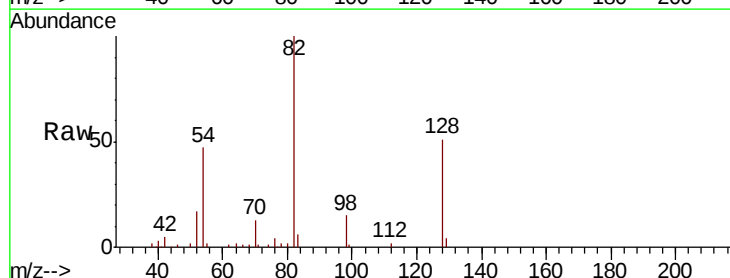
Ion Ratio Lower Upper

70 100

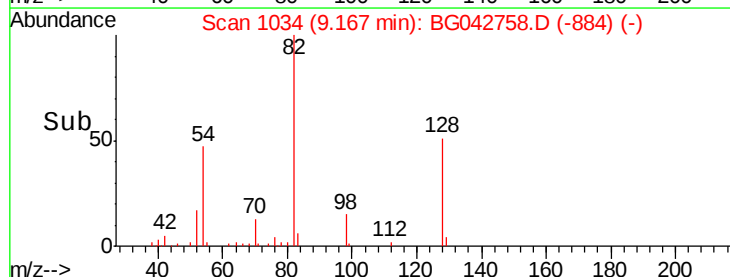
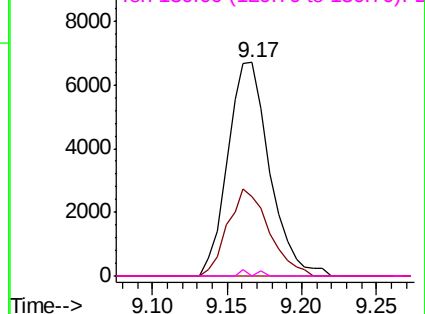
42 37.1 38.8 58.2#

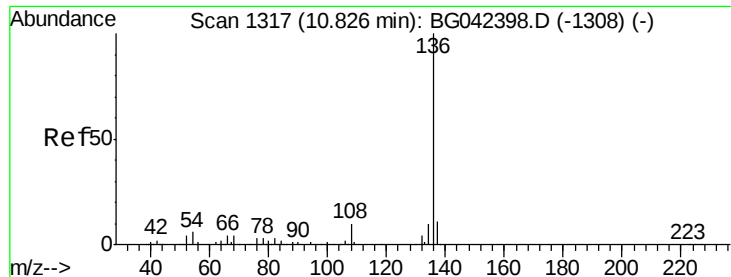
101 0.0 9.0 13.6#

130 0.0 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

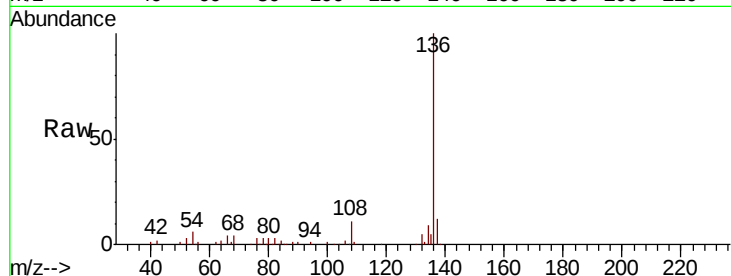




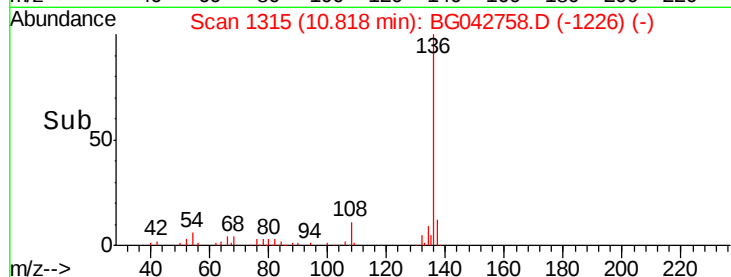
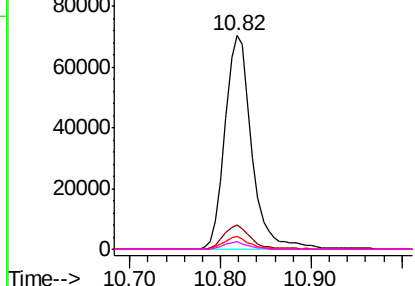
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	144435
Ion Ratio	Lower	Upper
136	100	
137	11.7	8.7 13.1
54	6.1	4.9 7.3
68	3.5	3.6 5.4

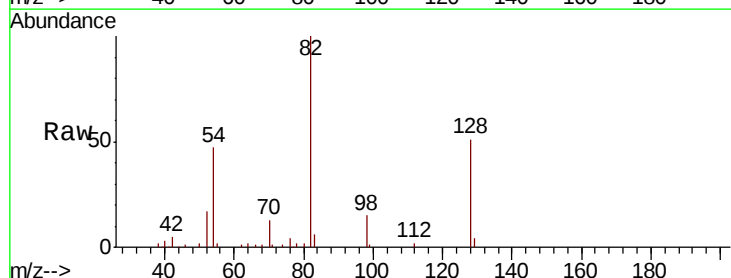


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

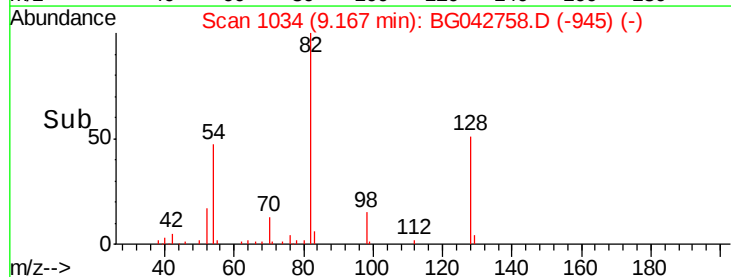
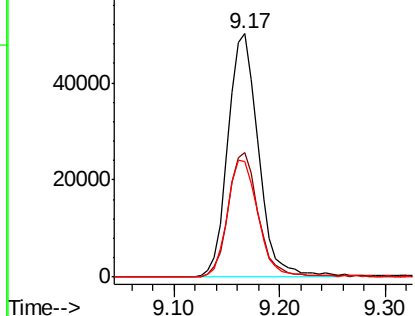


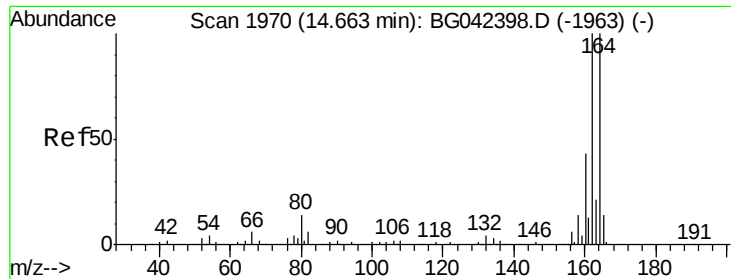
#23
Nitrobenzene-d5
Concen: 47.939 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion: 82	Resp:	100197
Ion Ratio	Lower	Upper
82	100	
128	51.2	40.7 61.1
54	47.5	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

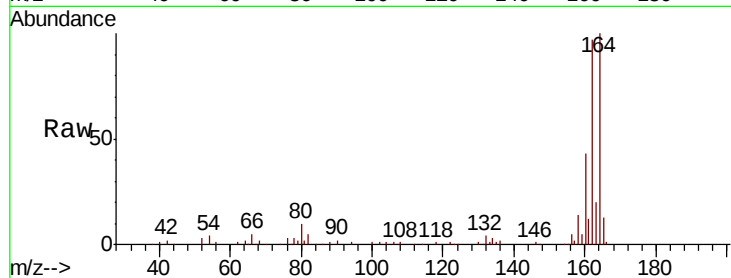




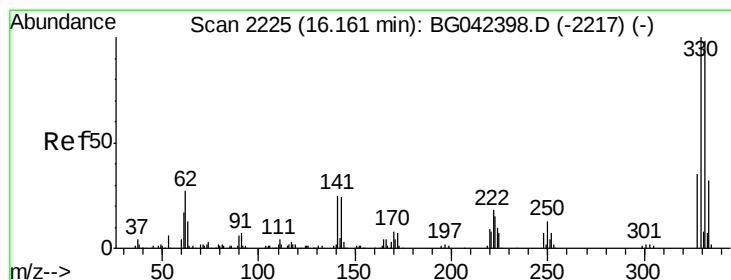
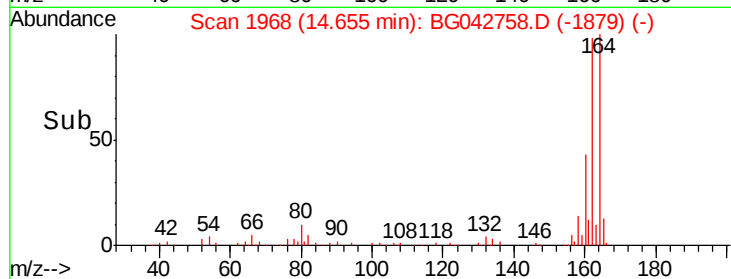
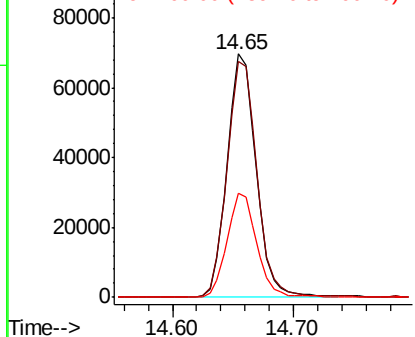
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 117139
Ion Ratio Lower Upper
164 100
162 97.1 79.9 119.9
160 42.8 34.3 51.5

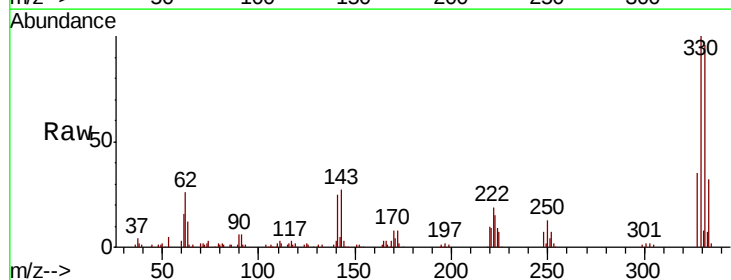


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

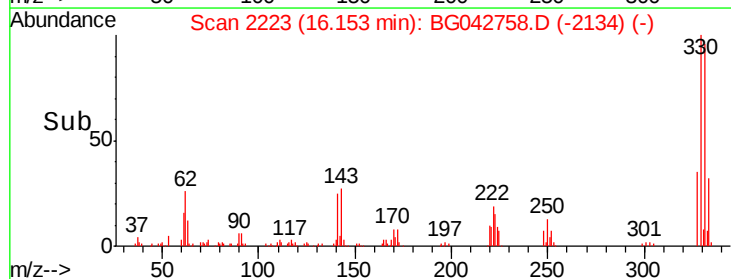
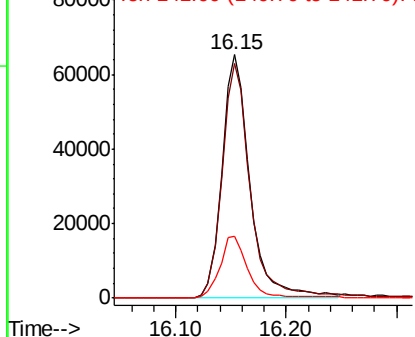


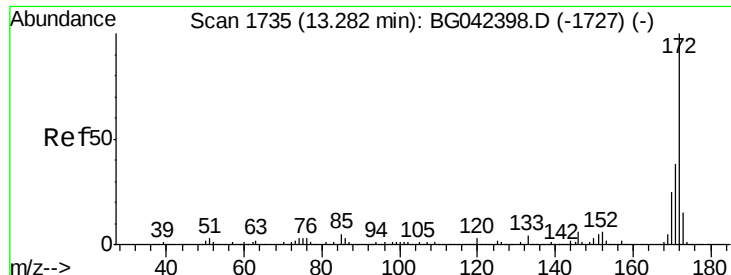
#42
2,4,6-Tribromophenol
Concen: 69.688 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion:330 Resp: 116027
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 25.0 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

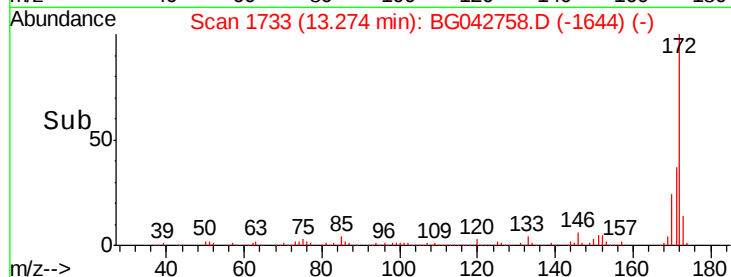
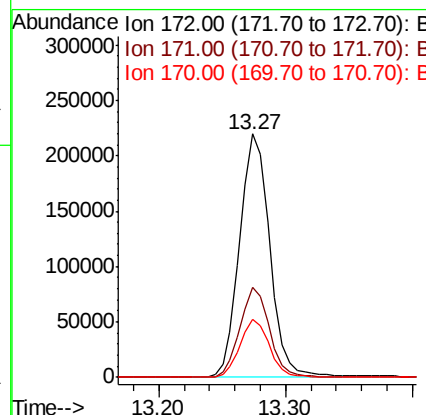
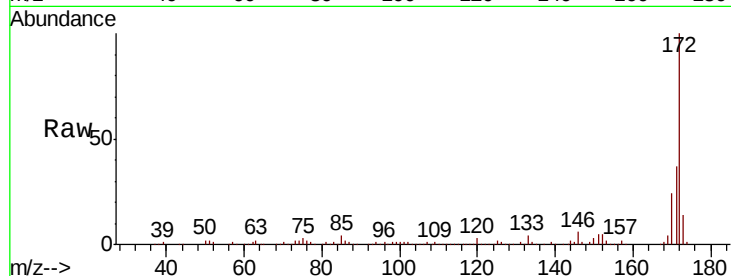




#45
2-Fluorobiphenyl
Concen: 52.447 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

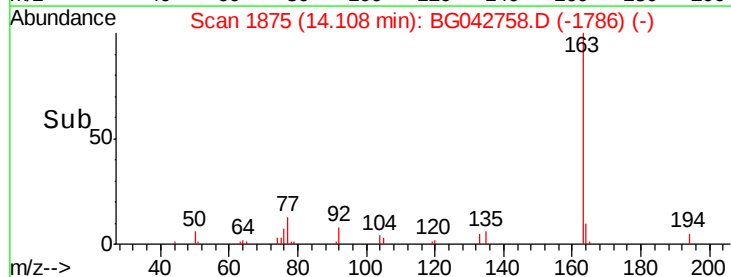
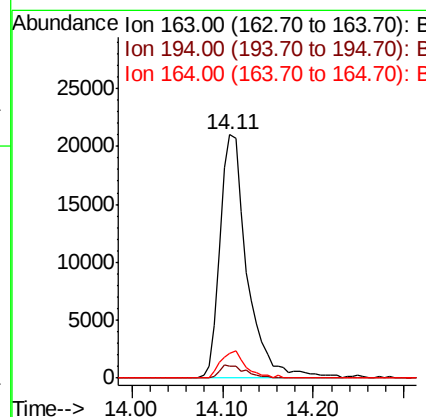
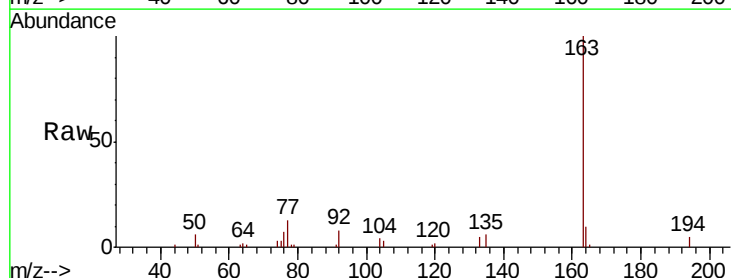
Instrument :
BNA_G
ClientSampled :

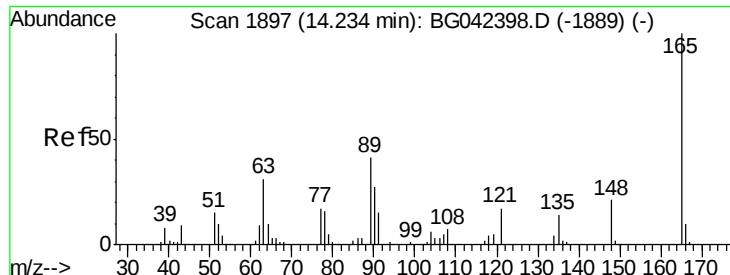
Tot Ion:172 Resp: 363252
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 24.0 20.2 30.2



#50
Dimethylphthalate
Concen: 5.154 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion:163 Resp: 43565
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.2 8.8 13.2

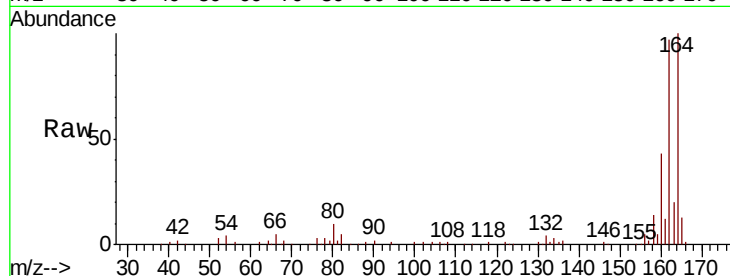




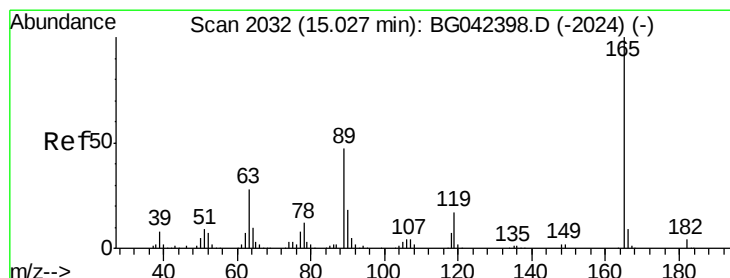
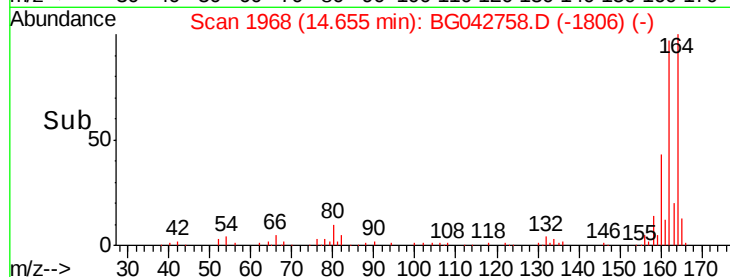
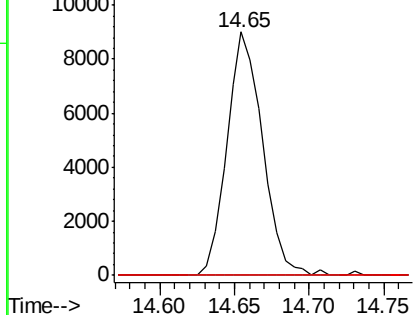
#51
 2,6-Dinitrotoluene
 Concen: 7.637 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042758.D
 Acq: 6 Sep 2019 21:47

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#



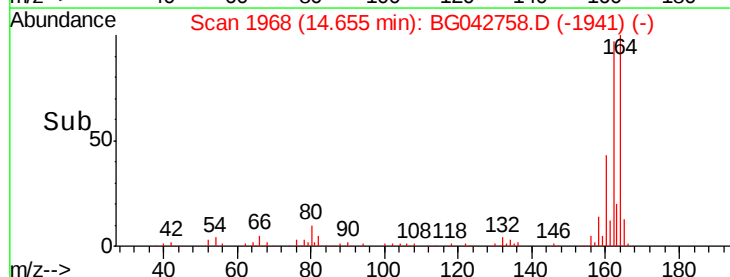
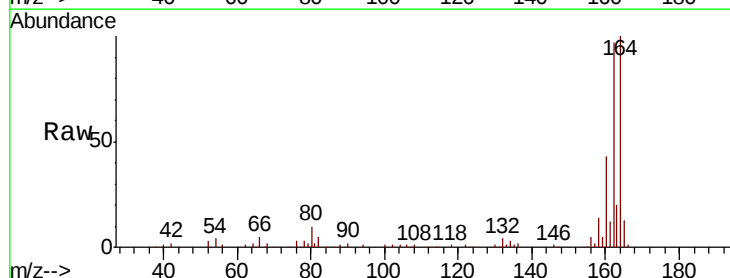
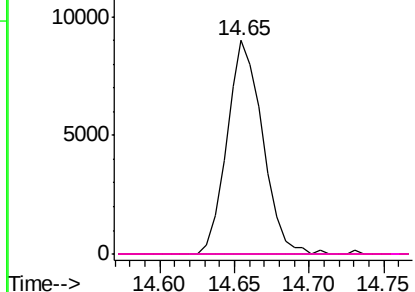
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.333 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042758.D
 Acq: 6 Sep 2019 21:47

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

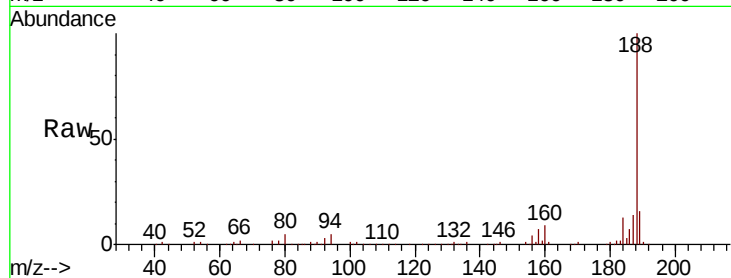




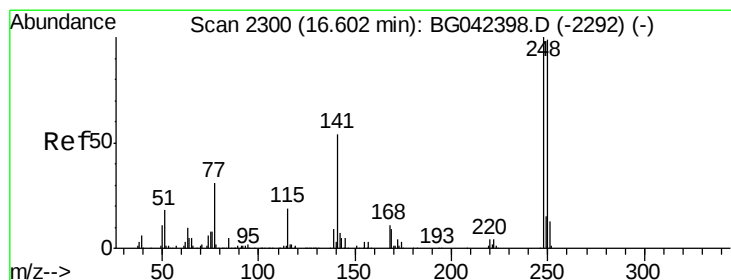
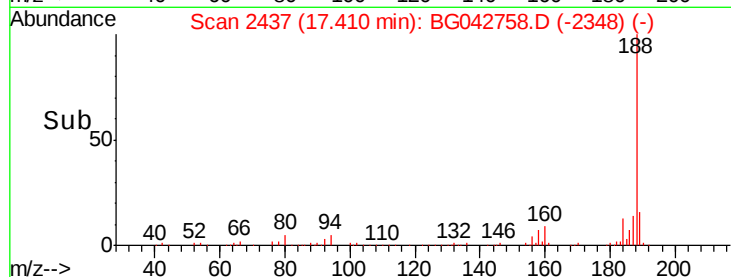
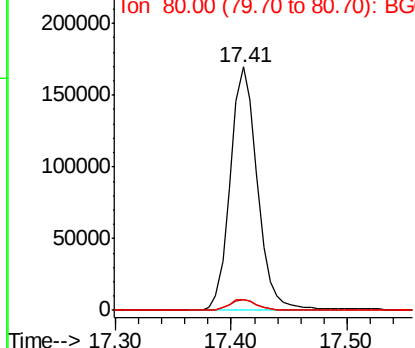
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 276932
Ion Ratio Lower Upper
188 100
94 4.5 4.5 6.7
80 4.6 4.9 7.3#

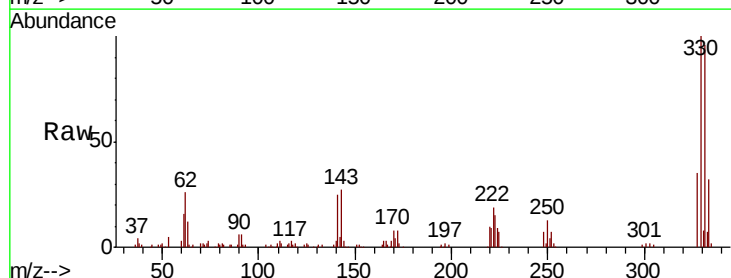


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

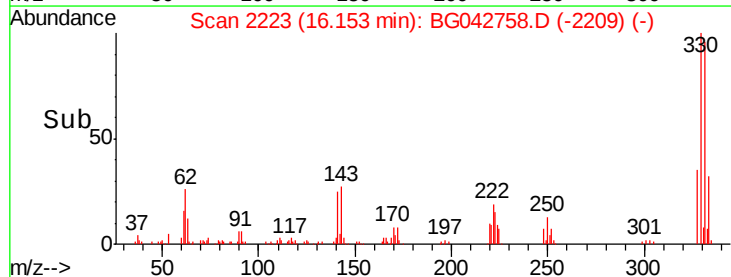
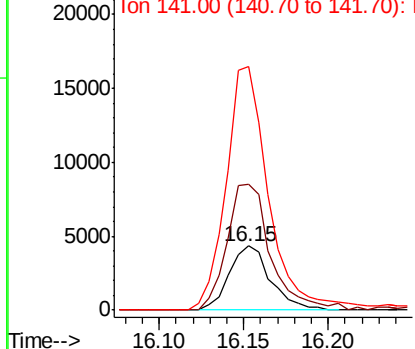


#67
4-Bromophenyl-phenylether
Concen: 2.094 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion:248 Resp: 7354
Ion Ratio Lower Upper
248 100
250 197.3 78.9 118.3#
141 380.6 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

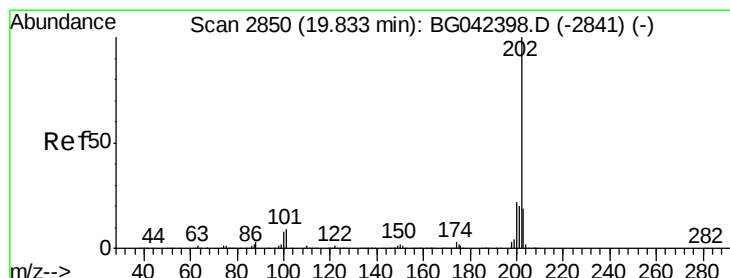
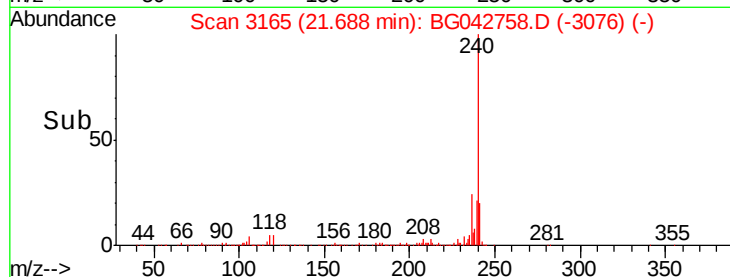
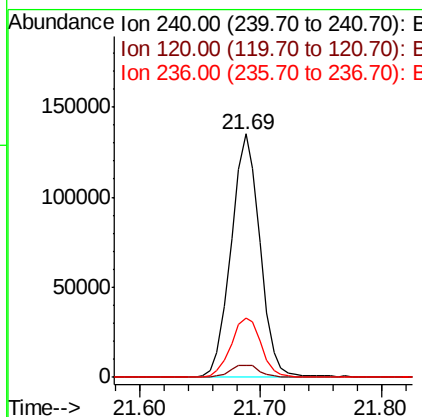
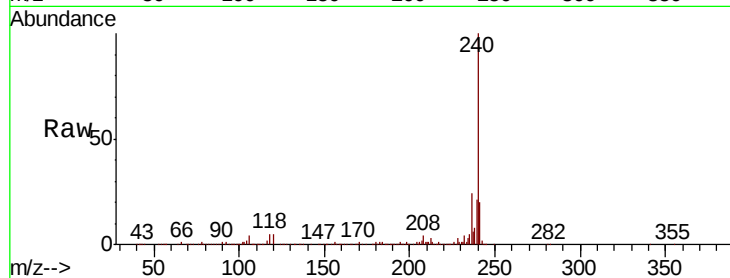




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

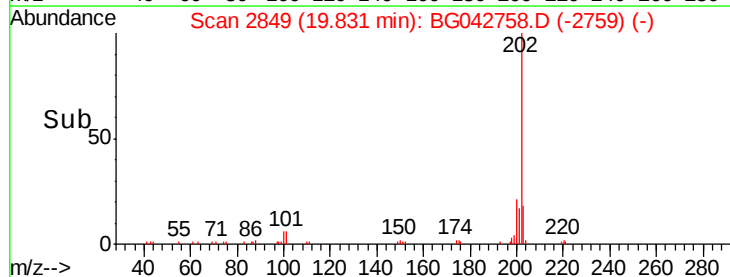
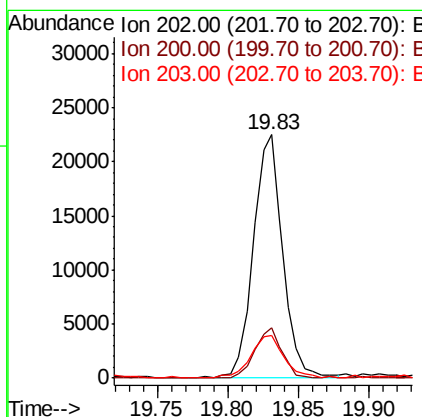
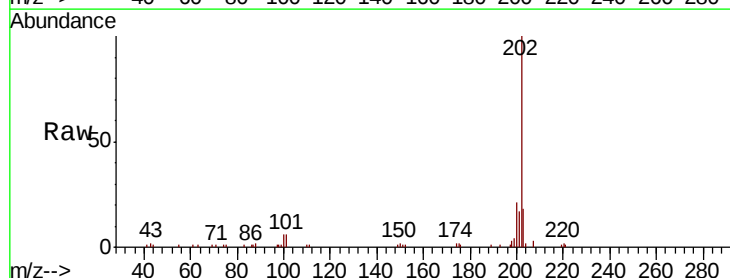
Instrument :
BNA_G
ClientSampleId :

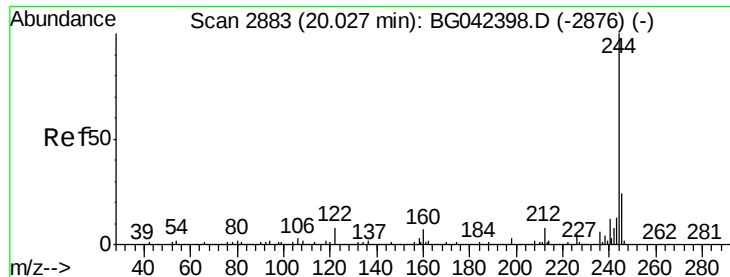
Tot Ion:240 Resp: 225162
Ion Ratio Lower Upper
240 100
120 5.1 5.7 8.5#
236 24.3 21.0 31.4



#78
Pyrene
Concen: 2.383 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042758.D
Acq: 6 Sep 2019 21:47

Tgt Ion:202 Resp: 32891
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 17.7 15.5 23.3





#79

Terphenyl-d14

Concen: 57.966 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042758.D

Acq: 6 Sep 2019 21:47

Instrument :

BNA_G

ClientSampleId :

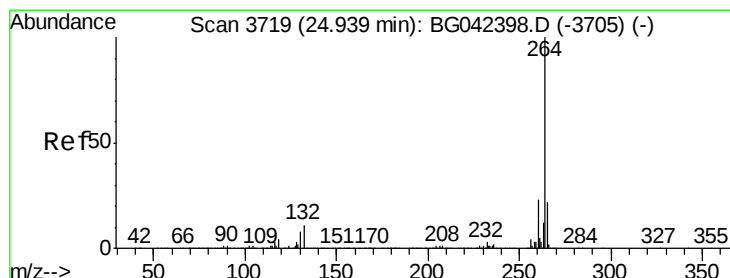
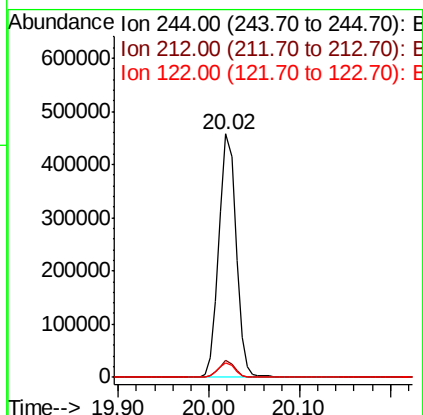
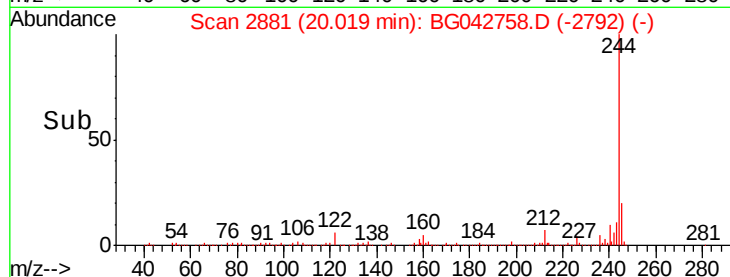
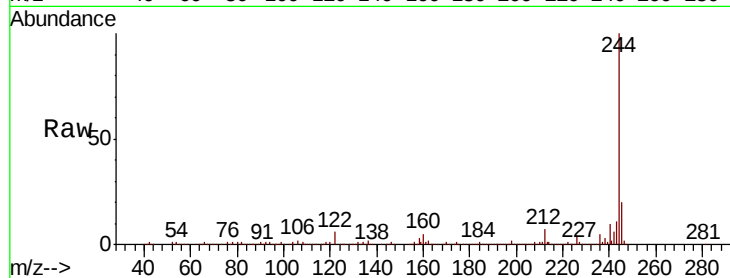
Tot Ion:244 Resp: 603709

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 6.0 6.7 10.1#



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042758.D

Acq: 6 Sep 2019 21:47

Tgt Ion:264 Resp: 271026

Ion Ratio Lower Upper

264 100

260 22.4 18.5 27.7

265 22.0 17.6 26.4

