

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042742.D
 Acq On : 6 Sep 2019 6:13
 Operator : HP/JU
 Sample : K4679-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 08:33:22 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

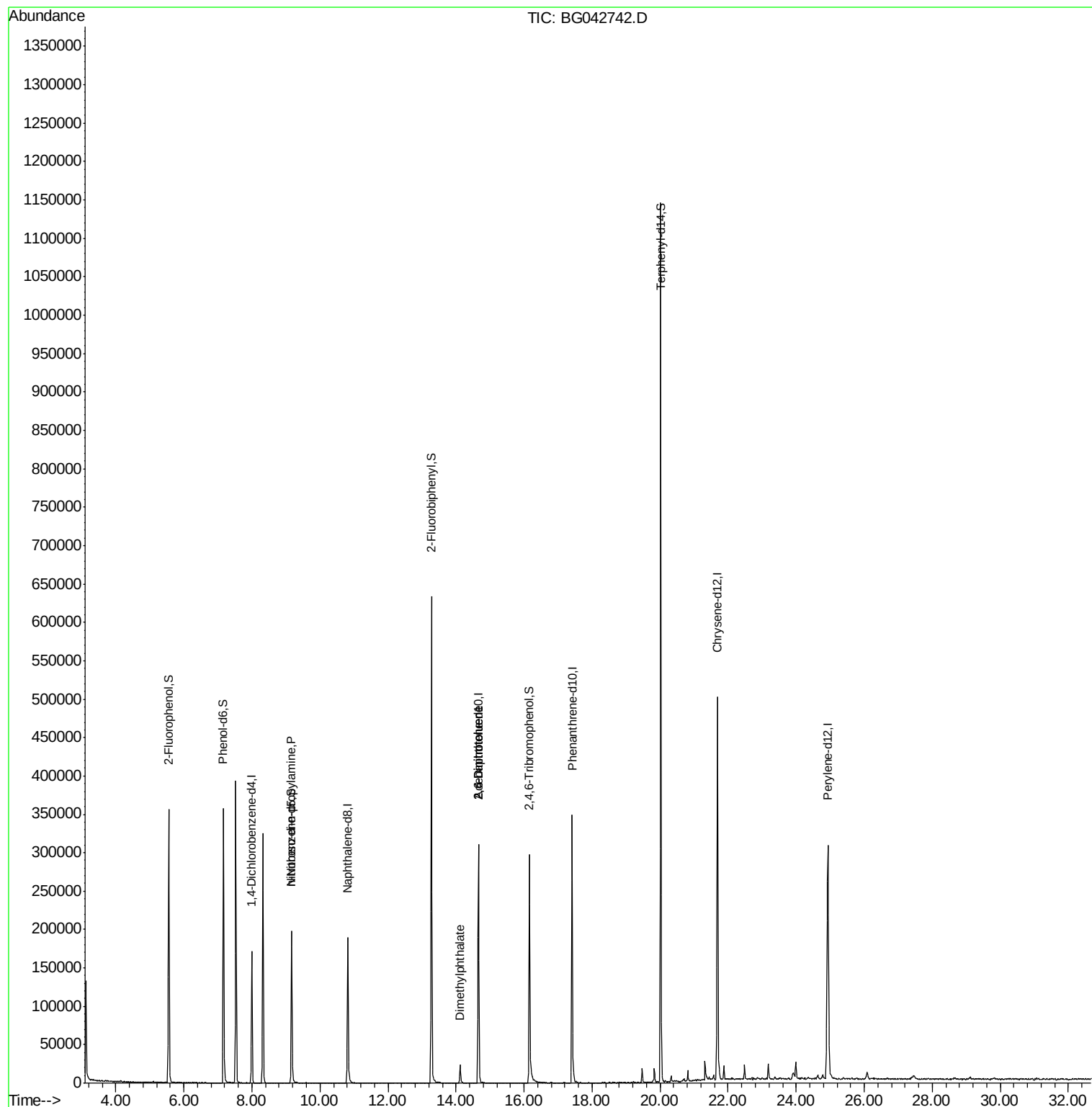
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	57278	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	208414	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	135519	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	274390	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	337035	20.00	ng	-0.01
87) Perylene-d12	24.93	264	397421	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	183844	65.01	ng	0.00
7) Phenol-d6	7.16	99	231521	60.60	ng	-0.01
23) Nitrobenzene-d5	9.16	82	132462	43.92	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	104136	54.06	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	406153	50.69	ng	0.00
79) Terphenyl-d14	20.02	244	644951	41.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	17830	7.204	ng	# 78
50) Dimethylphthalate	14.12	163	30207	3.089	ng	# 98
51) 2,6-Dinitrotoluene	14.65	165	17691	7.805	ng	# 37
57) 2,4-Dinitrotoluene	14.65	165	17691	5.451	ng	# 40

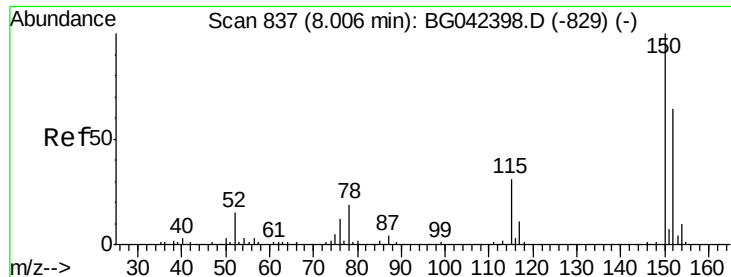
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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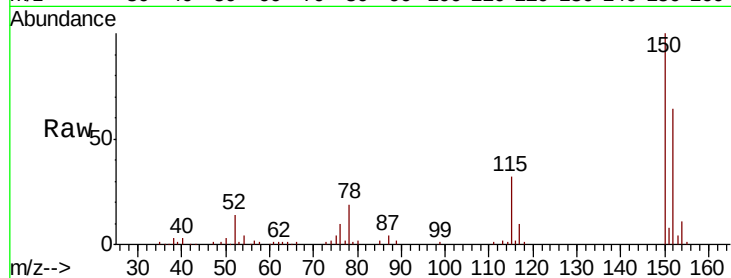


#1

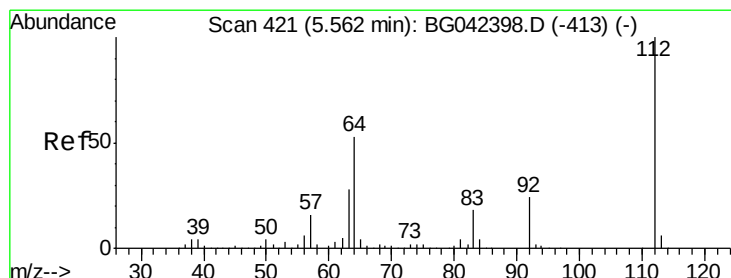
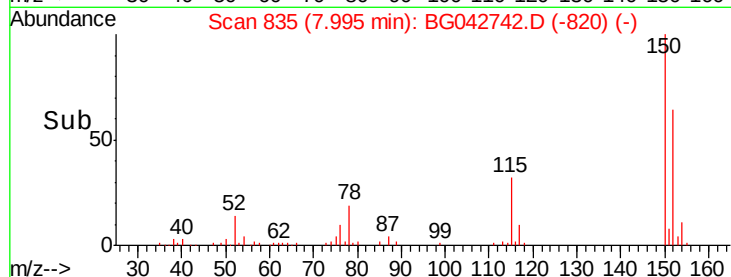
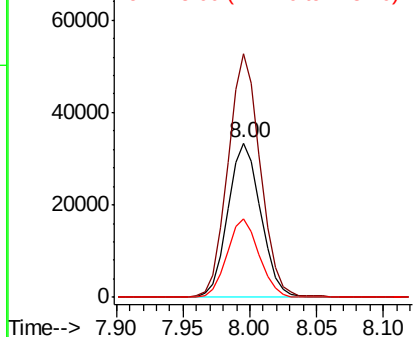
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57278
Ion Ratio Lower Upper
152 100
150 157.5 125.4 188.0
115 50.4 38.5 57.7



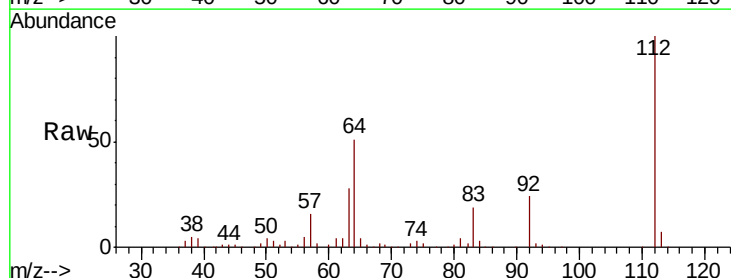
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



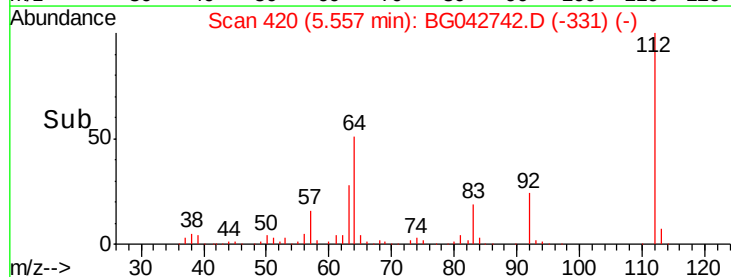
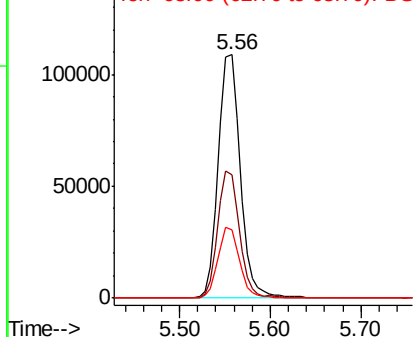
#5

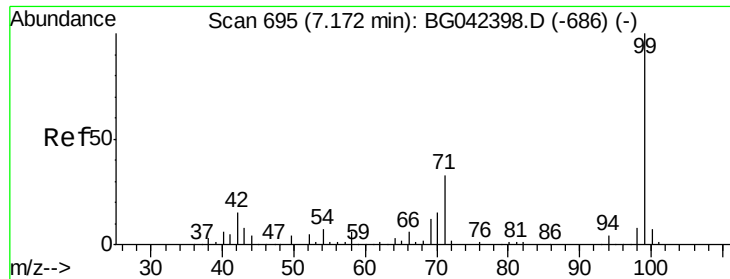
2-Fluorophenol
Concen: 65.005 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Tgt Ion:112 Resp: 183844
Ion Ratio Lower Upper
112 100
64 50.7 42.8 64.2
63 27.9 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: 60.605 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042742.D

Acq: 6 Sep 2019 6:13

Instrument :

BNA_G

ClientSampleId :

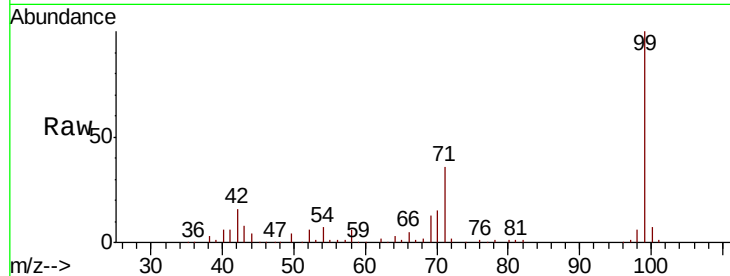
Tot Ion: 99 Resp: 231521

Ion Ratio Lower Upper

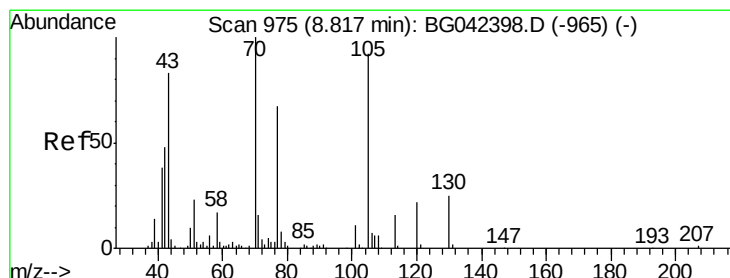
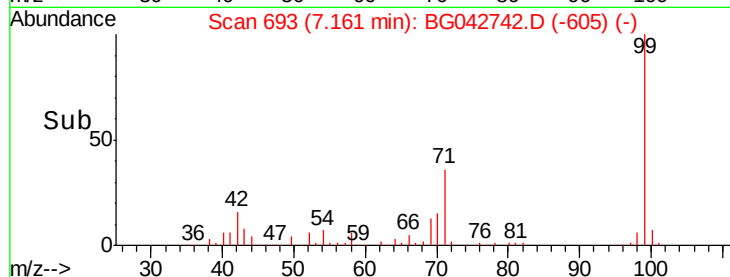
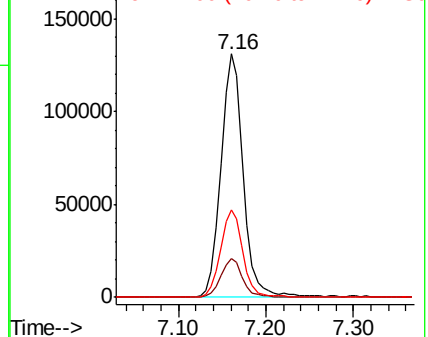
99 100

42 15.7 12.0 18.0

71 36.0 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: 7.204 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042742.D

Acq: 6 Sep 2019 6:13

Tgt Ion: 70 Resp: 17830

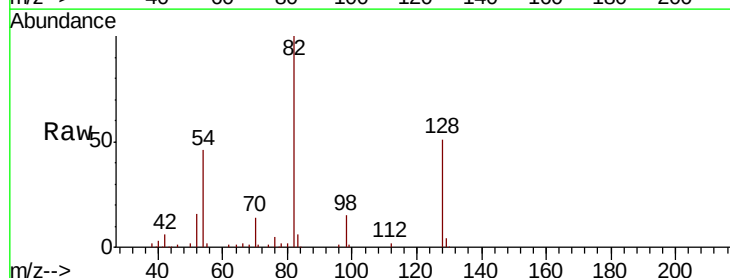
Ion Ratio Lower Upper

70 100

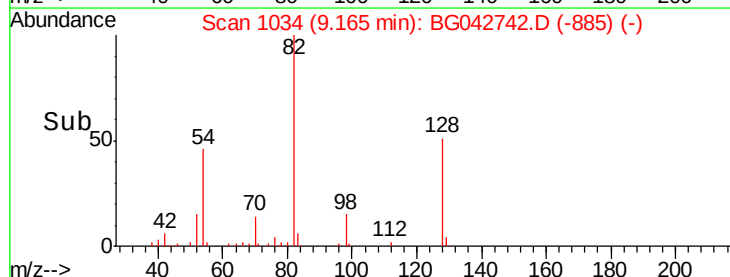
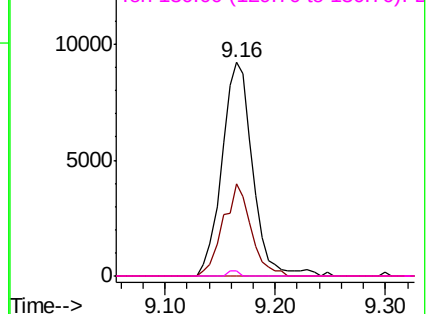
42 43.1 38.8 58.2

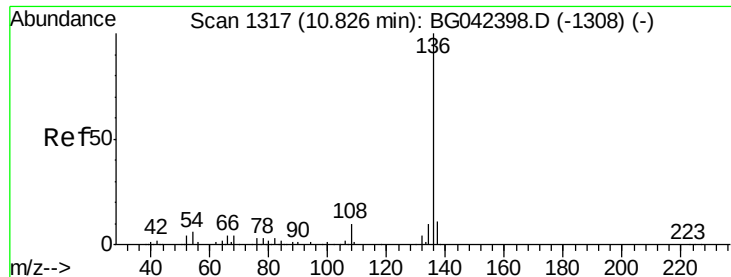
101 0.0 9.0 13.6#

130 2.2 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

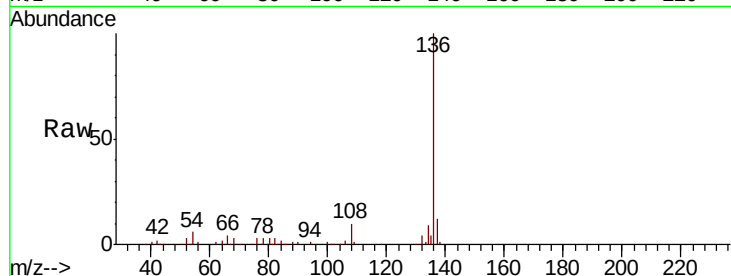




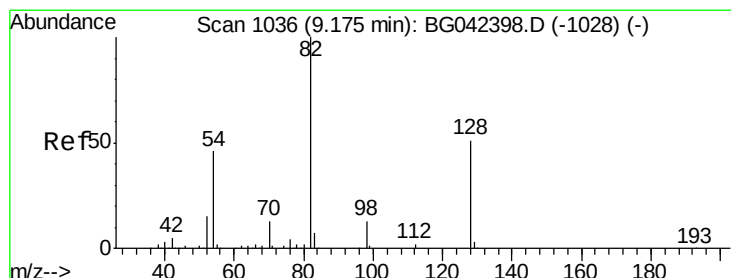
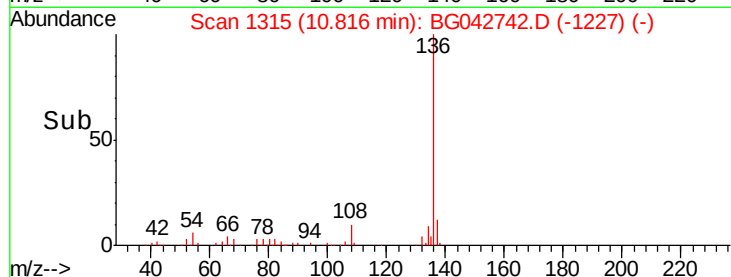
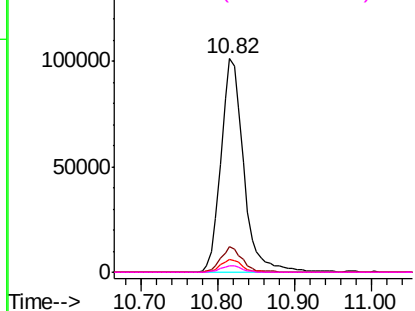
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	208414
Ion Ratio	Lower	Upper
136	100	
137	11.8	8.7 13.1
54	6.3	4.9 7.3
68	3.0	3.6 5.4

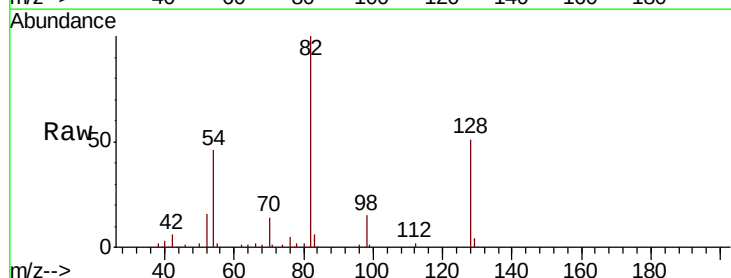


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

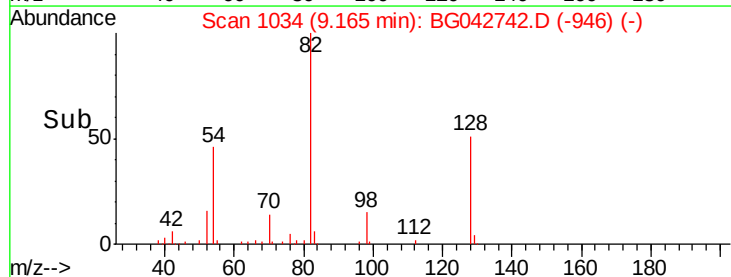
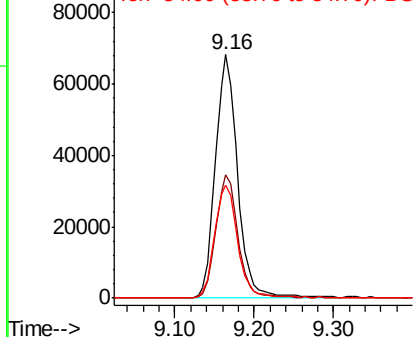


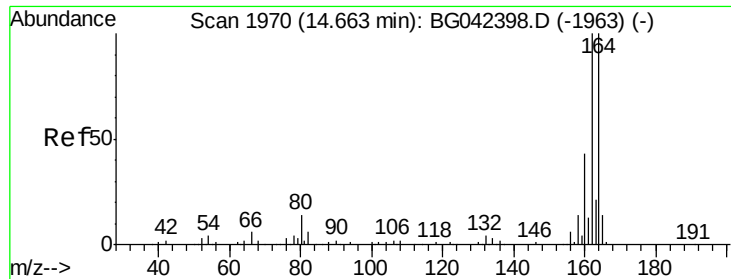
#23
Nitrobenzene-d5
Concen: 43.921 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Tgt Ion: 82	Resp:	132462
Ion Ratio	Lower	Upper
82	100	
128	50.8	40.7 61.1
54	46.4	36.3 54.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

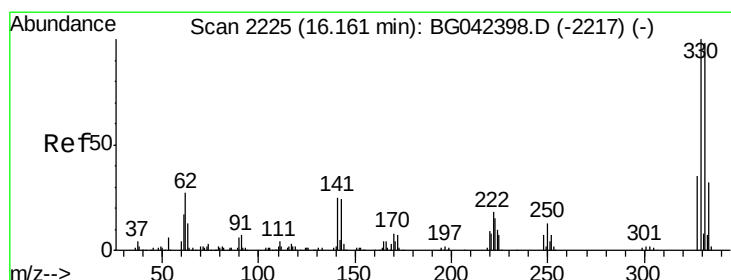
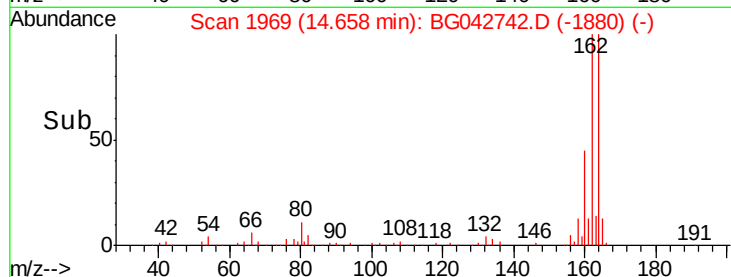
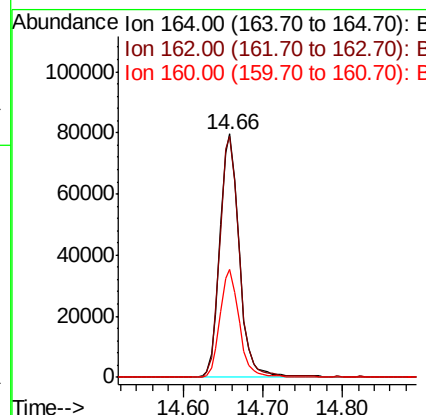
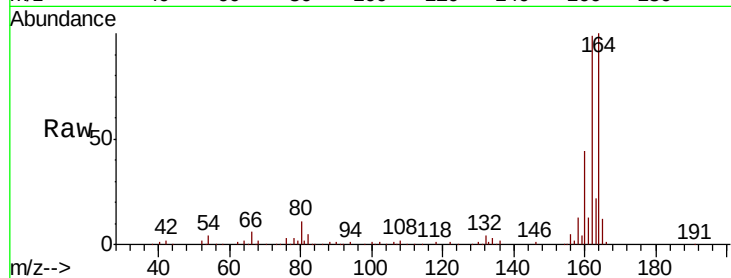




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

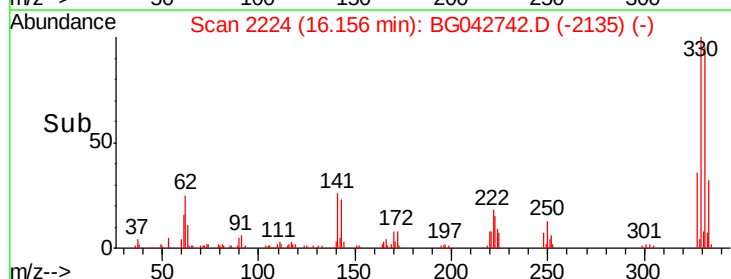
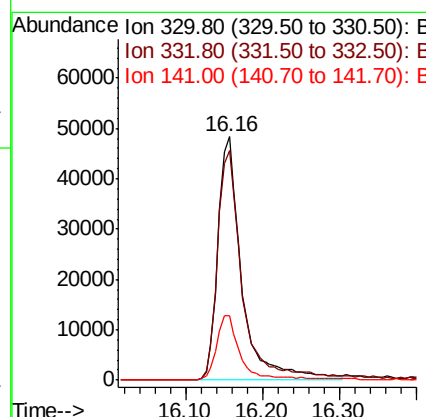
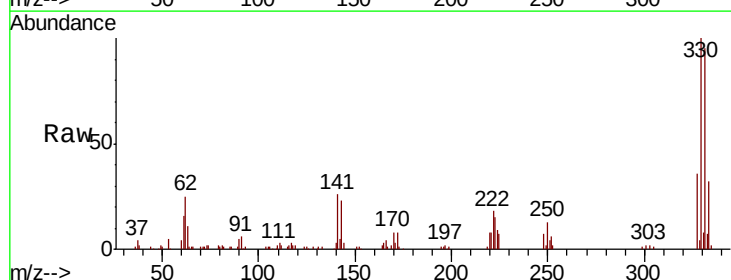
Instrument :
 BNA_G
 ClientSampleId :

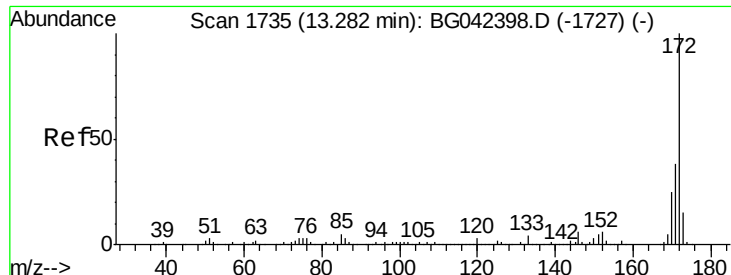
Tot Ion:164 Resp: 135519
 Ion Ratio Lower Upper
 164 100
 162 99.2 79.9 119.9
 160 44.5 34.3 51.5



#42
 2,4,6-Tribromophenol
 Concen: 54.063 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

Tgt Ion:330 Resp: 104136
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.4 116.0
 141 26.5 21.4 32.0

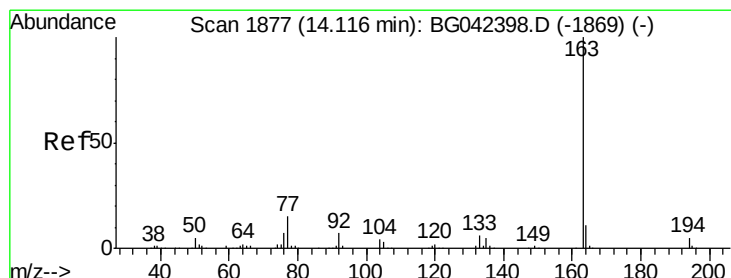
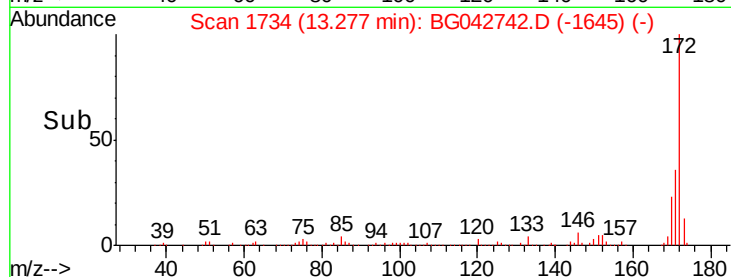
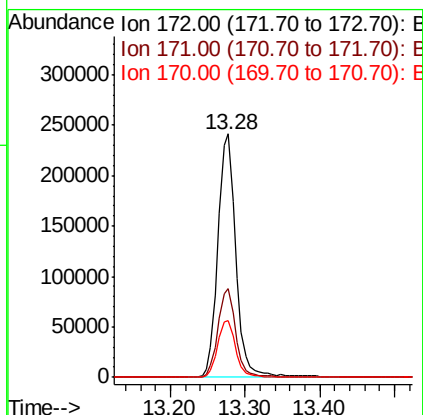
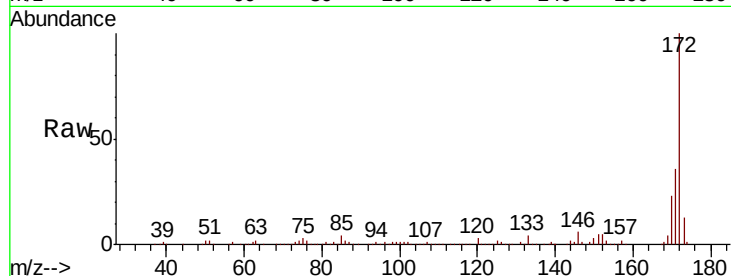




#45
 2-Fluorobiphenyl
 Concen: 50.688 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

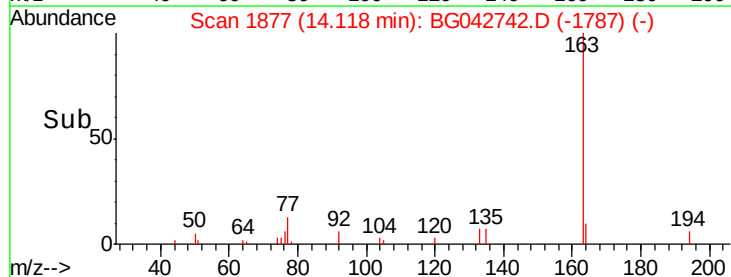
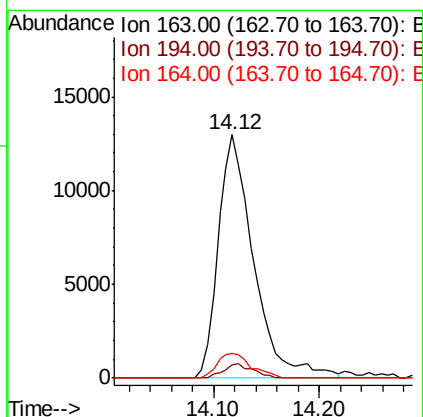
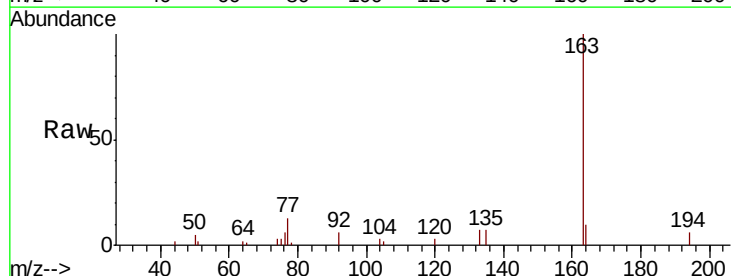
Instrument :
 BNA_G
 ClientSampleId :

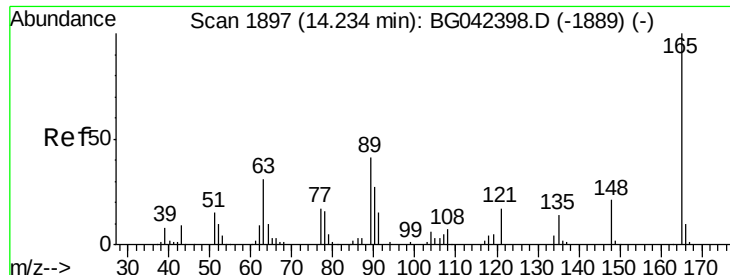
Tot Ion:172 Resp: 406153
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.5 45.7
 170 23.4 20.2 30.2



#50
 Dimethylphthalate
 Concen: 3.089 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

Tgt Ion:163 Resp: 30207
 Ion Ratio Lower Upper
 163 100
 194 5.6 4.2 6.2
 164 10.2 8.8 13.2

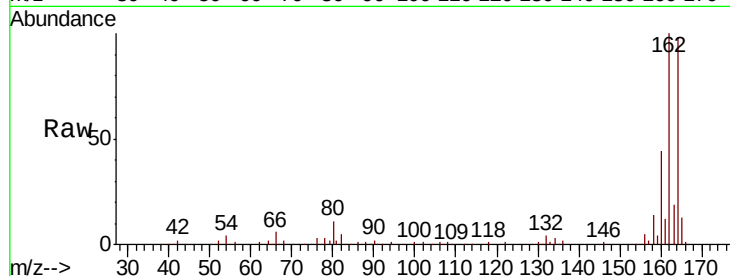




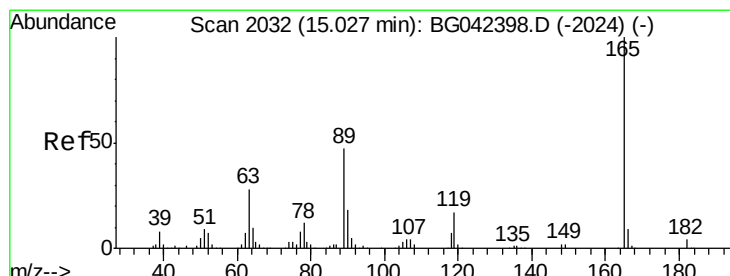
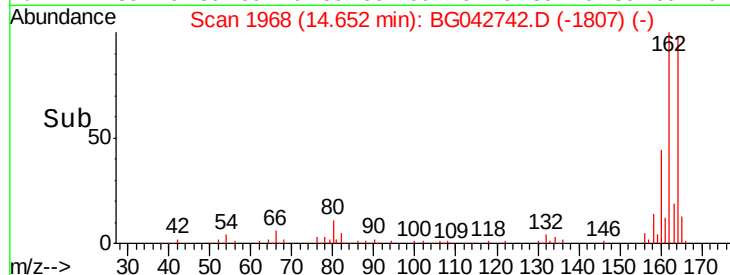
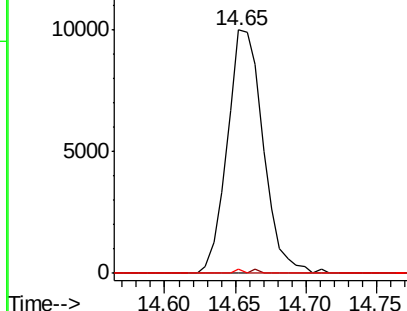
#51
 2,6-Dinitrotoluene
 Concen: 7.805 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	1.6	32.6	49.0#



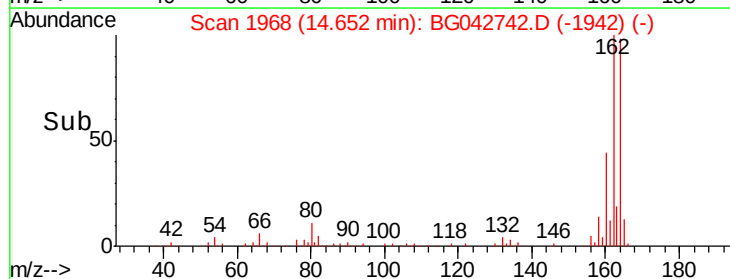
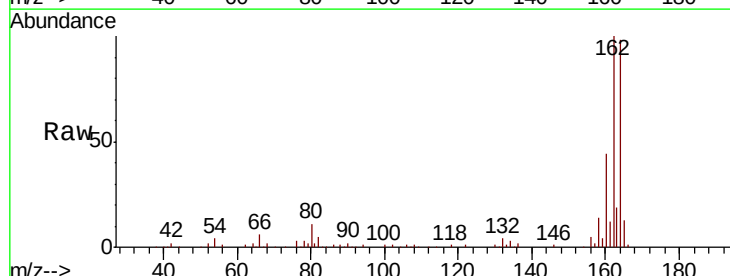
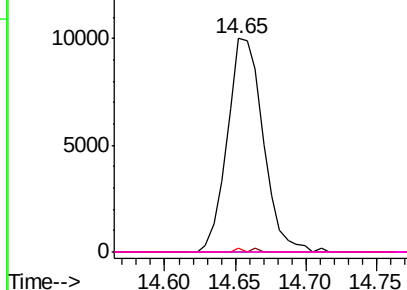
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

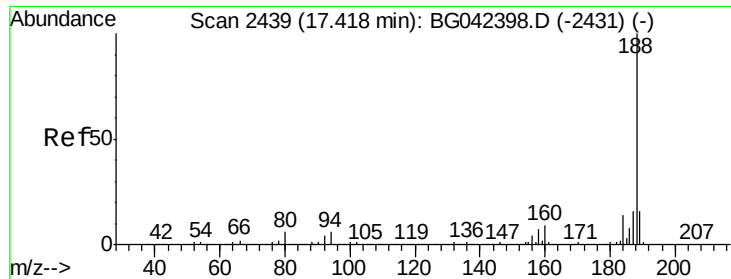


#57
 2,4-Dinitrotoluene
 Concen: 5.451 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042742.D
 Acq: 6 Sep 2019 6:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	1.6	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

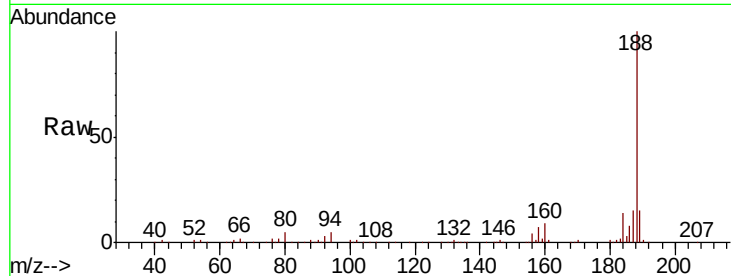




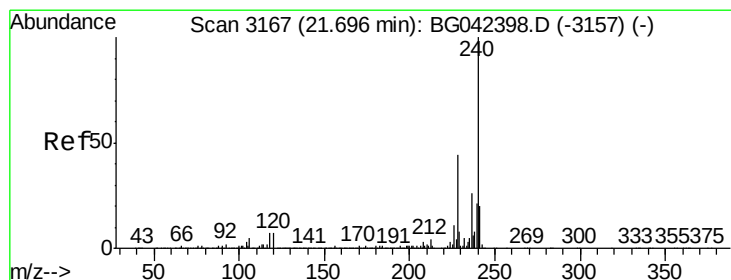
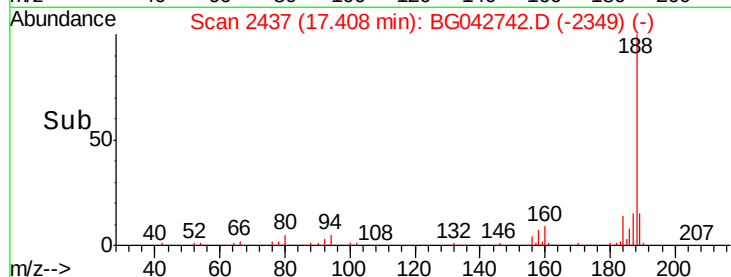
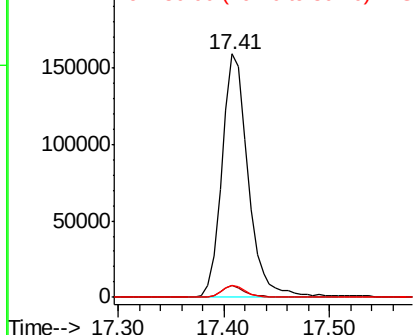
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 274390
Ion Ratio Lower Upper
188 100
94 4.7 4.5 6.7
80 4.8 4.9 7.3#

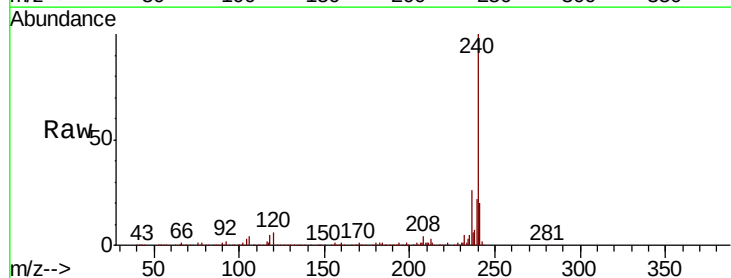


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

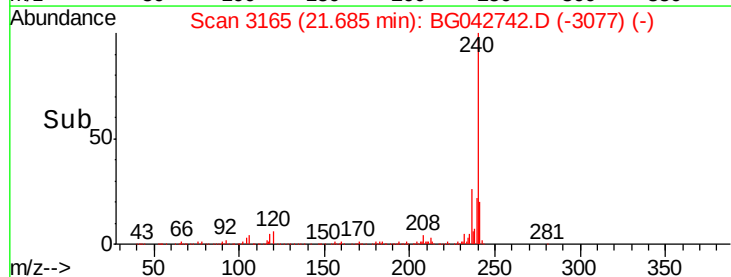
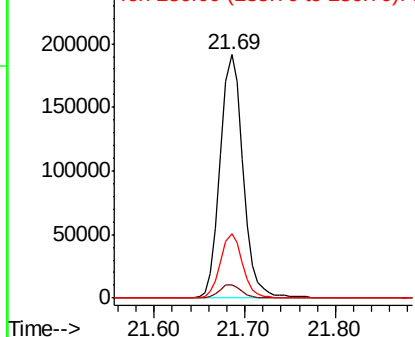


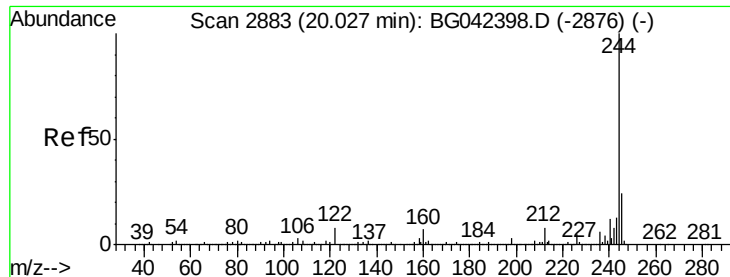
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042742.D
Acq: 6 Sep 2019 6:13

Tgt Ion:240 Resp: 337035
Ion Ratio Lower Upper
240 100
120 5.6 5.7 8.5#
236 26.3 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





#79

Terphenyl-d14

Concen: 41.371 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042742.D

Acq: 6 Sep 2019 6:13

Instrument :

BNA_G

ClientSampleId :

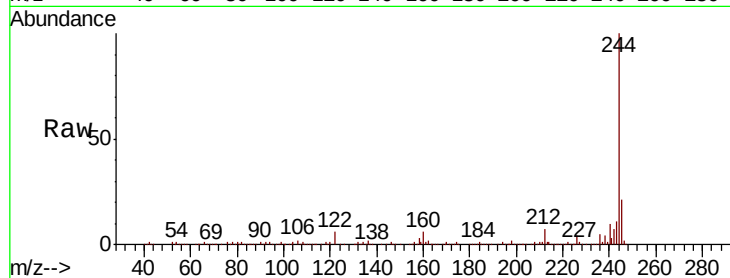
Tot Ion:244 Resp: 644951

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

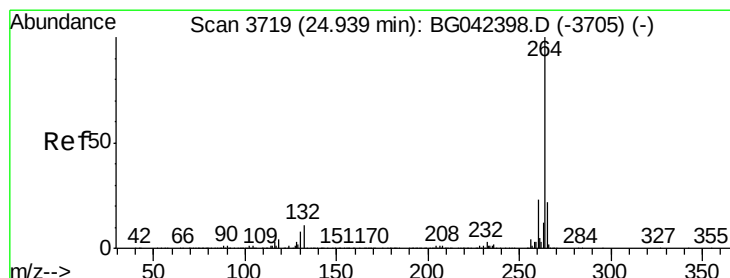
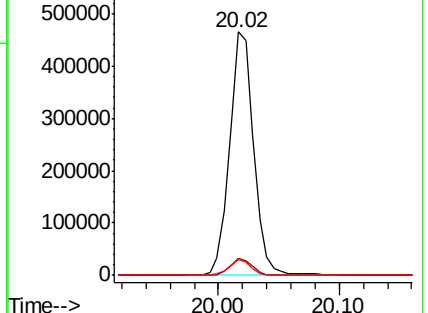
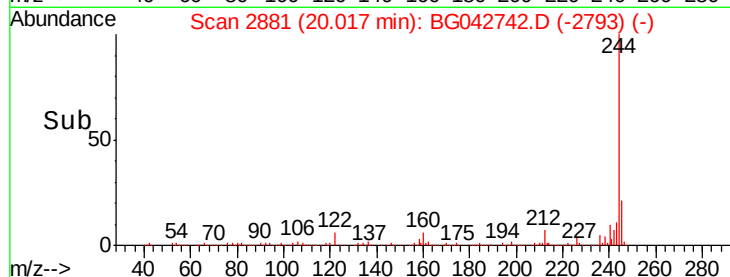
122 6.4 6.7 10.1#



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# 3717

Delta R.T. -0.01 min

Lab File: BG042742.D

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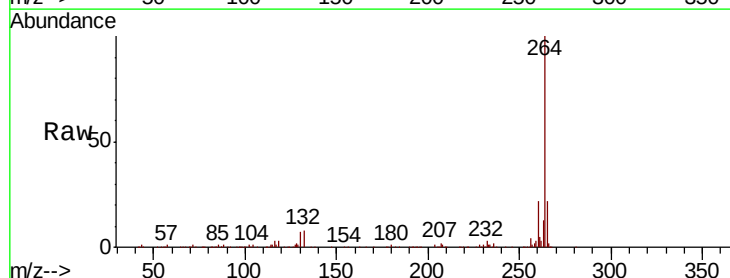
Tgt Ion:264 Resp: 397421

Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 21.5 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

