

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042621.D
 Acq On : 31 Aug 2019 4:19
 Operator : HP/JU
 Sample : K4591-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 05:11:20 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

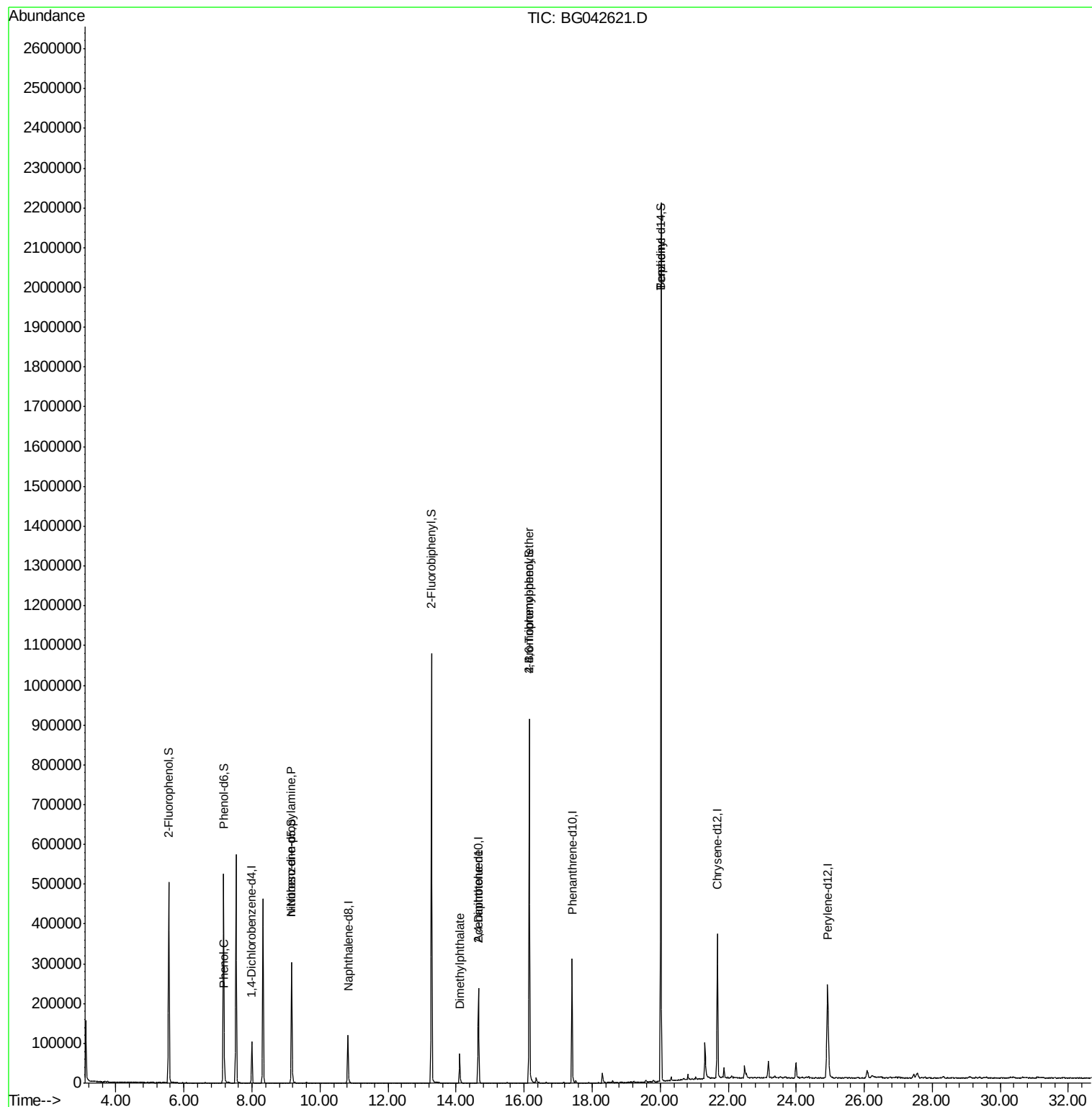
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	33695	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	130644	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	98676	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	225395	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	235706	20.00	ng	-0.01
87) Perylene-d12	24.92	264	278957	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	256839	154.38	ng	0.00
7) Phenol-d6	7.17	99	349109	155.35	ng	0.00
23) Nitrobenzene-d5	9.16	82	198247	104.86	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	227269	162.04	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	646861	110.87	ng	0.00
79) Terphenyl-d14	20.02	244	1129639	103.61	ng	0.00
Target Compounds						
10) Phenol	7.19	94	14275	6.247	ng	78
19) n-Nitroso-di-n-propylamine	9.16	70	25754	17.689	ng	# 76
50) Dimethylphthalate	14.10	163	67190	9.437	ng	99
57) 2,4-Dinitrotoluene	14.66	165	12794	5.414	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	15829	5.537	ng	# 1
77) Benzidine	20.02	184	14508	2.147	ng	# 89

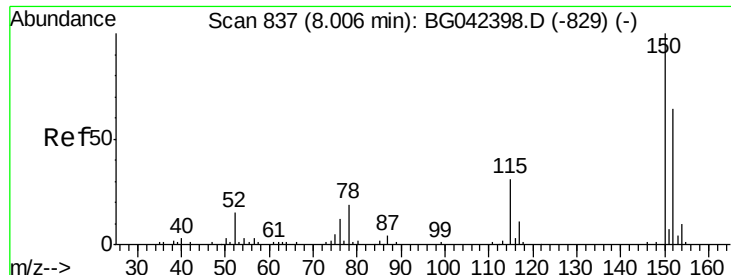
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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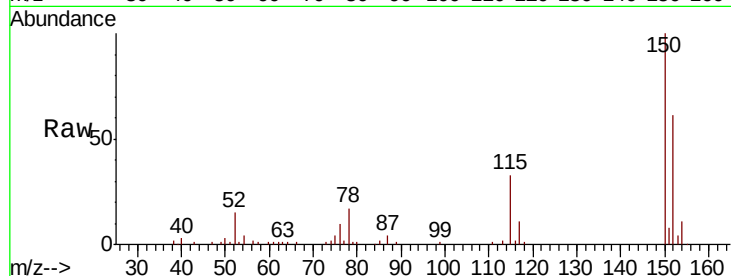


#1

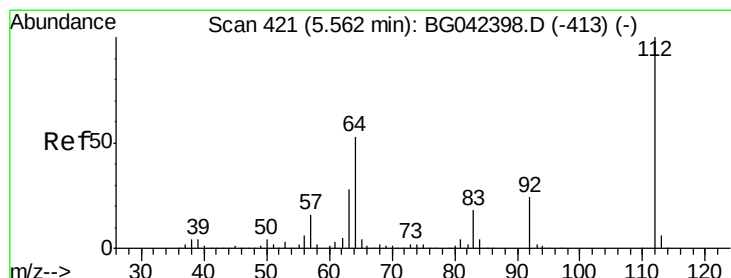
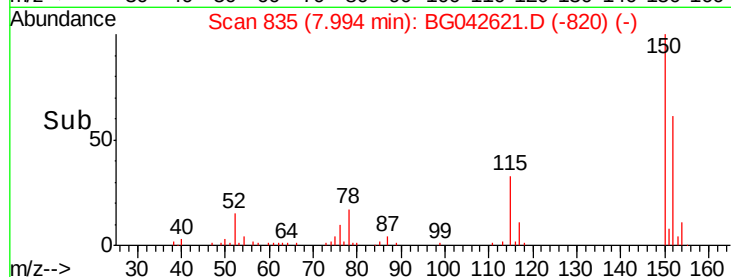
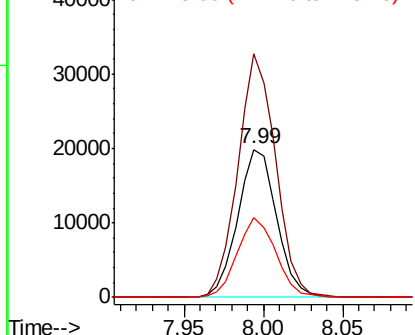
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 33695
Ion Ratio Lower Upper
152 100
150 164.9 125.4 188.0
115 54.3 38.5 57.7



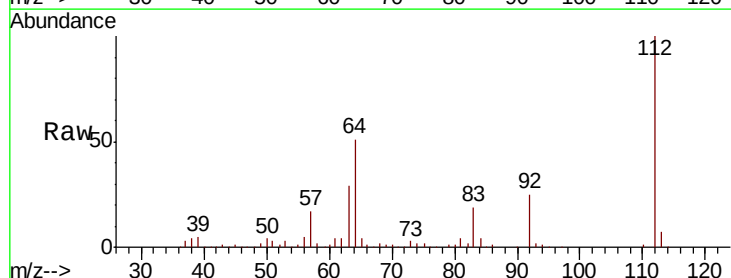
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



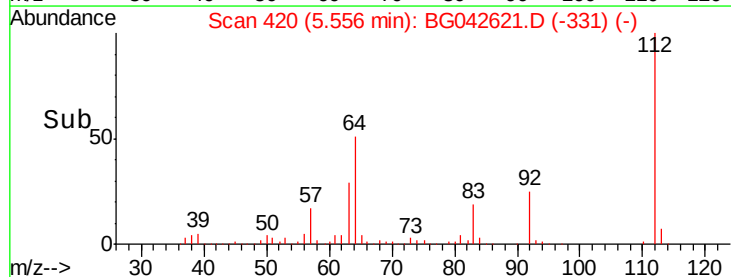
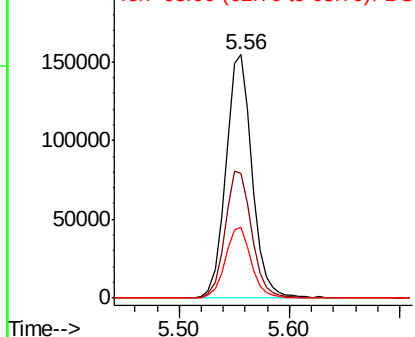
#5

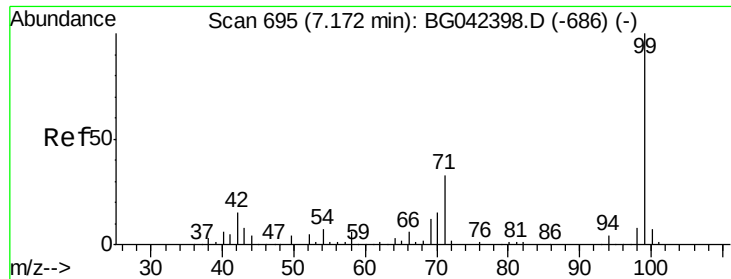
2-Fluorophenol
Concen: 154.377 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Tgt Ion:112 Resp: 256839
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 29.1 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: 155.346 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042621.D

Acq: 31 Aug 2019 4:19

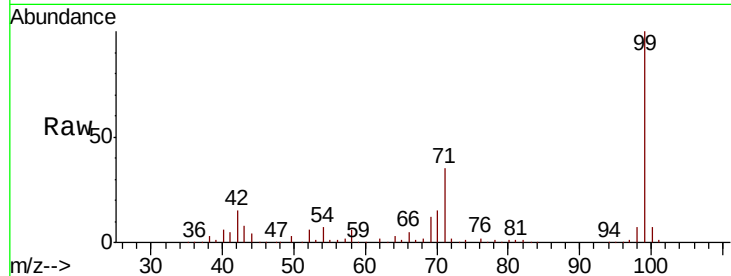
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 349109

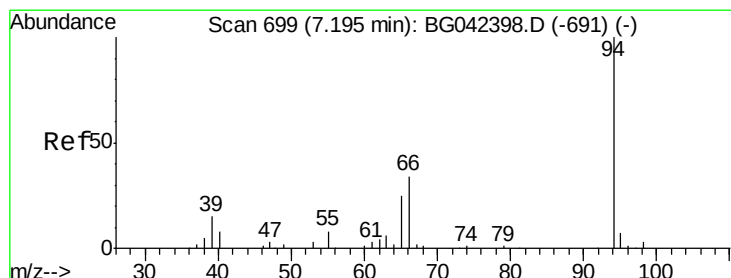
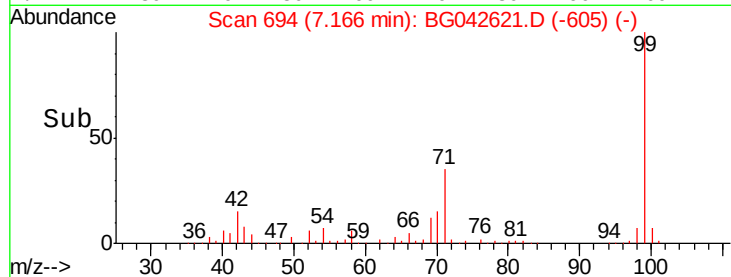
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.0	18.0
71	35.5	26.3	39.5



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



#10

Phenol

Concen: 6.247 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042621.D

Acq: 31 Aug 2019 4:19

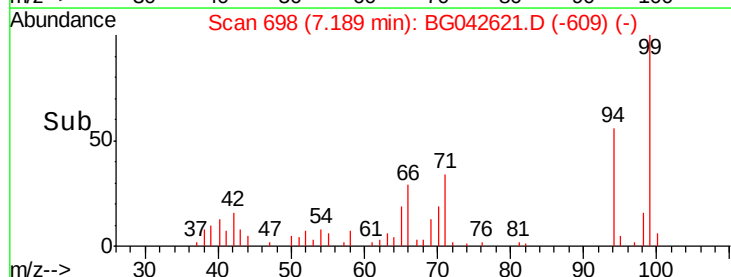
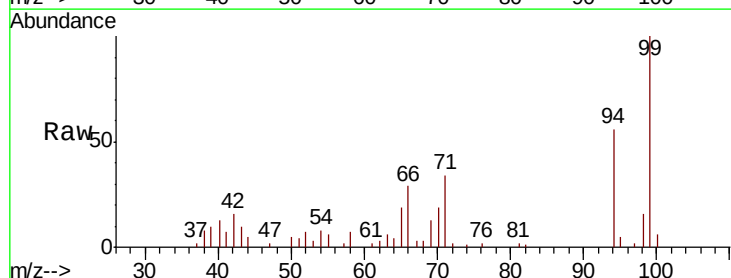
Tgt Ion: 94 Resp: 14275

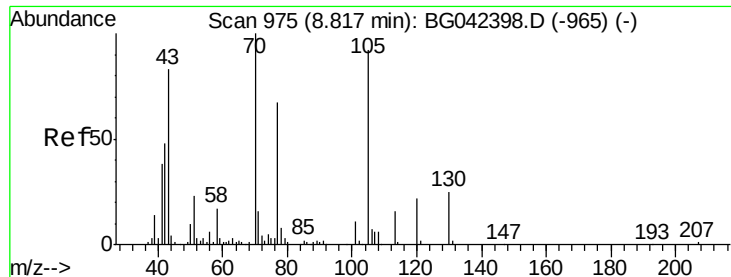
Ion	Ratio	Lower	Upper
94	100		
65	33.1	5.6	45.6
66	51.5	16.0	56.0

Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

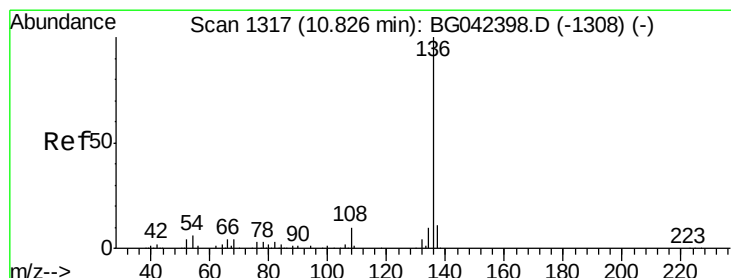
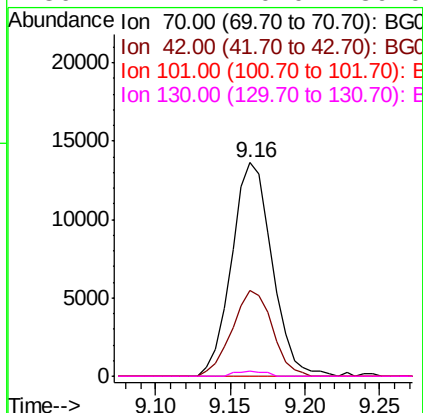
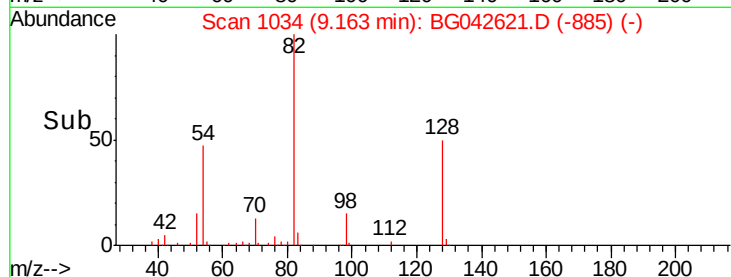
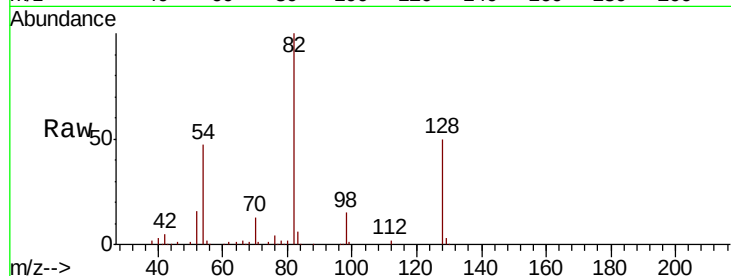




#19
n-Nitroso-di-n-propylamine
Concen: 17.689 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

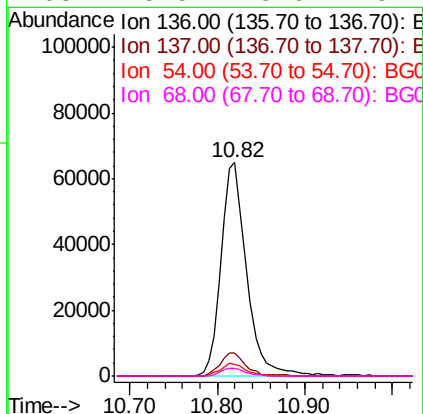
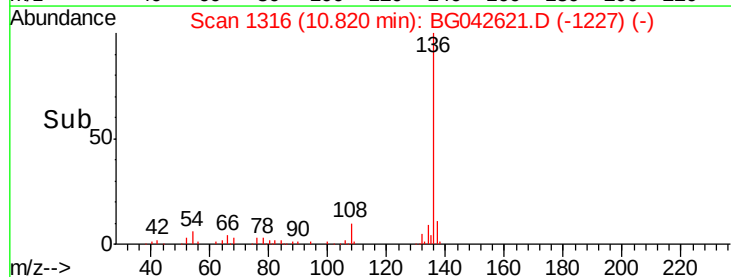
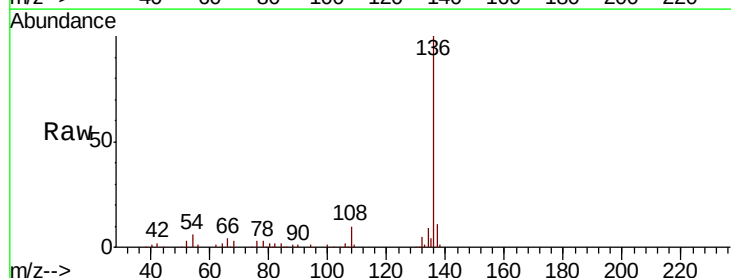
Instrument :
BNA_G
ClientSampleId :

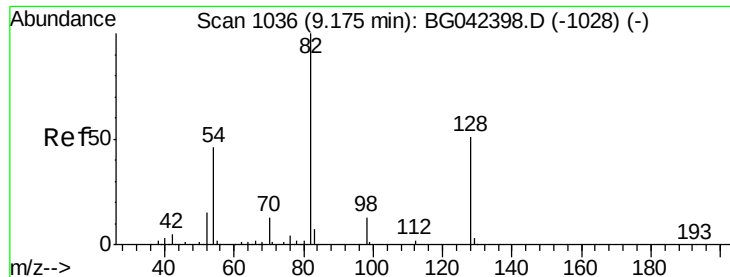
Tot Ion: 70 Resp: 25754
Ion Ratio Lower Upper
70 100
42 40.1 38.8 58.2
101 0.0 9.0 13.6#
130 2.1 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Tgt Ion: 136 Resp: 130644
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 5.6 4.9 7.3
68 3.5 3.6 5.4#

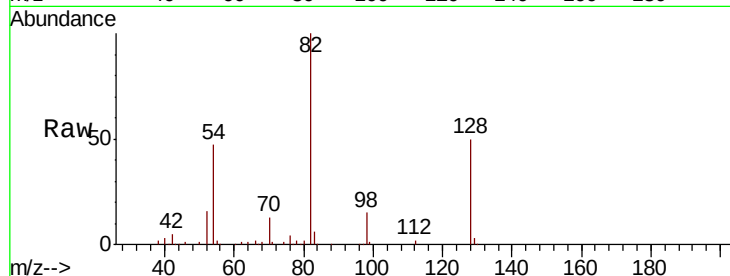




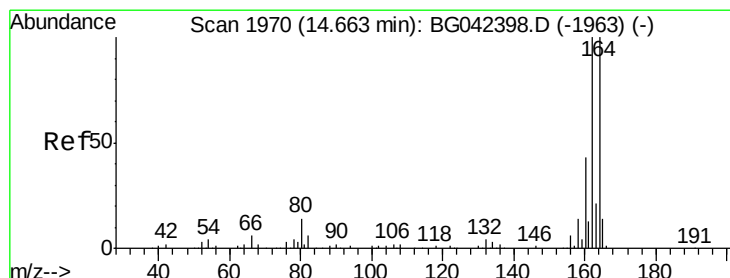
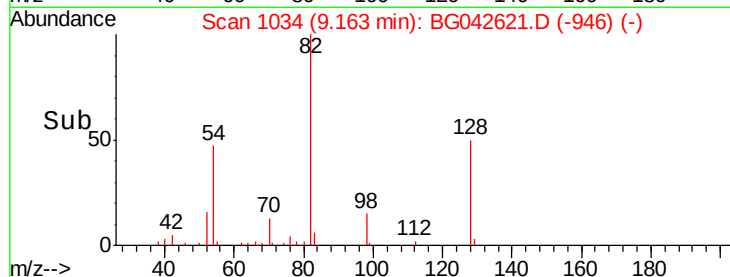
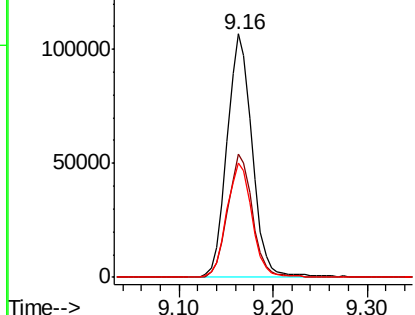
#23
Nitrobenzene-d5
Concen: 104.863 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	198247
Ion Ratio	100	Lower	Upper
128	50.5	40.7	61.1
54	46.9	36.3	54.5

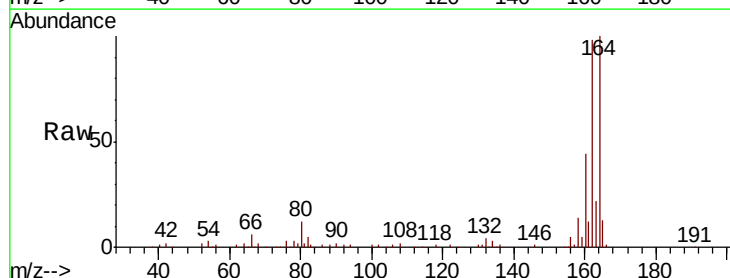


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

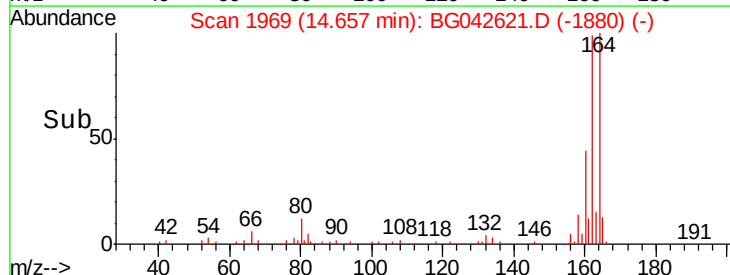
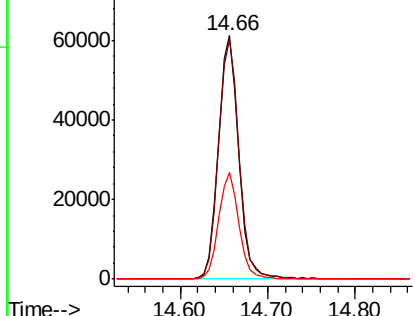


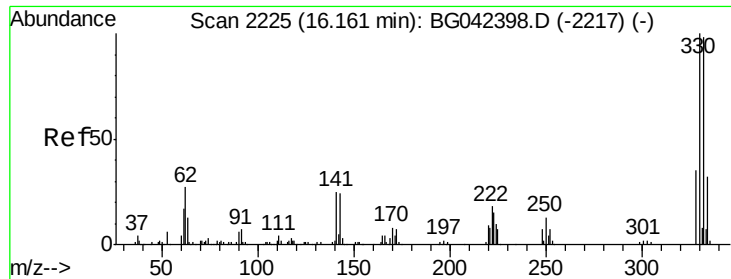
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Tgt Ion	164	Resp	98676
Ion Ratio	100	Lower	Upper
162	98.4	79.9	119.9
160	43.9	34.3	51.5



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

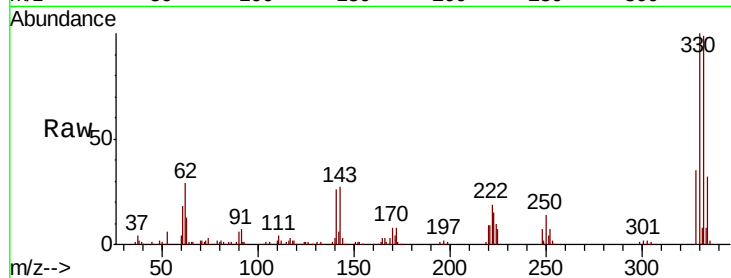




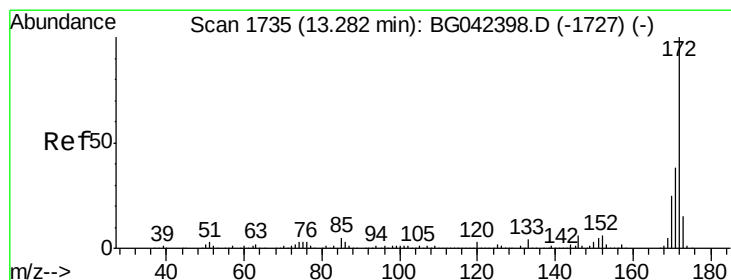
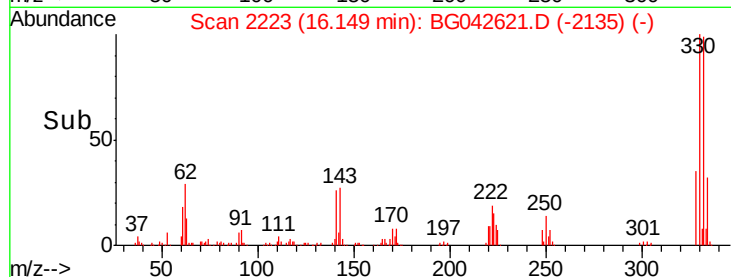
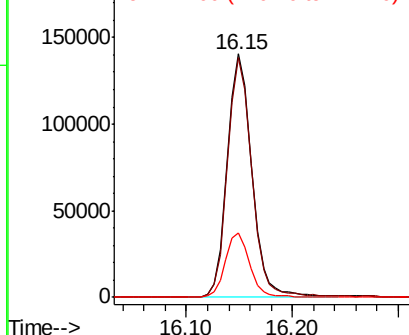
#42
 2,4,6-Tribromophenol
 Concen: 162.044 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042621.D
 Acq: 31 Aug 2019 4:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	26.4	21.4	32.0

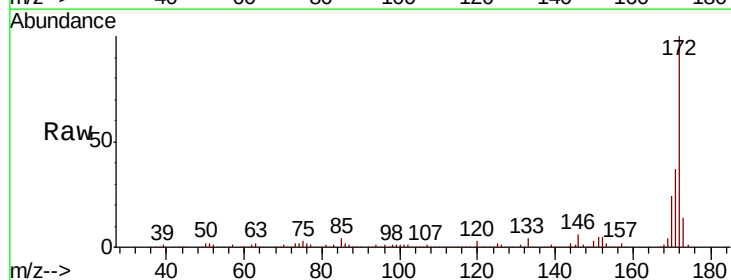


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

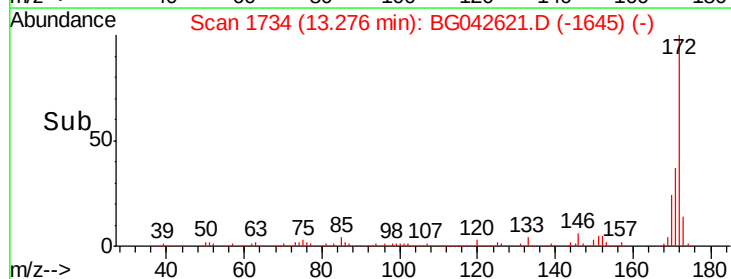
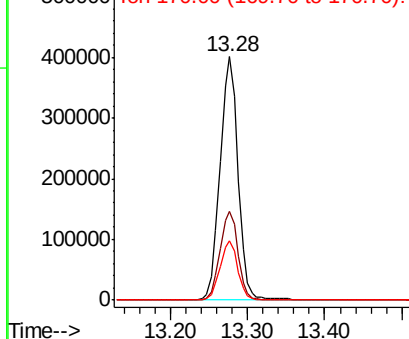


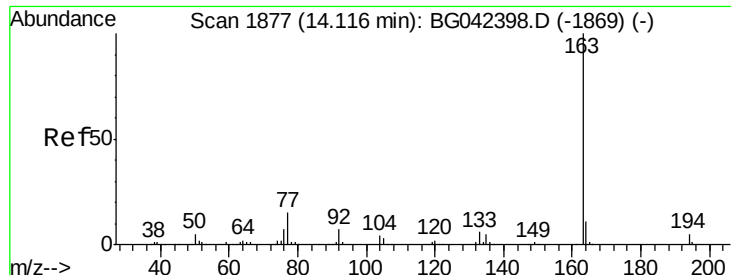
#45
 2-Fluorobiphenyl
 Concen: 110.871 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042621.D
 Acq: 31 Aug 2019 4:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	24.1	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

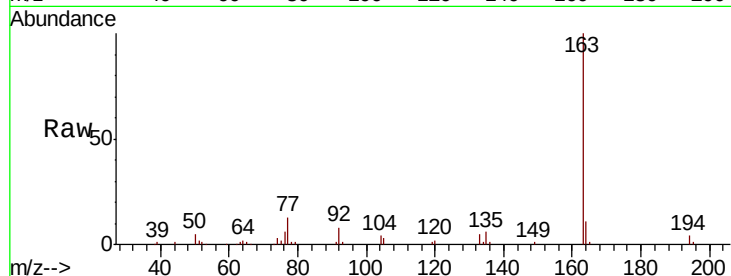




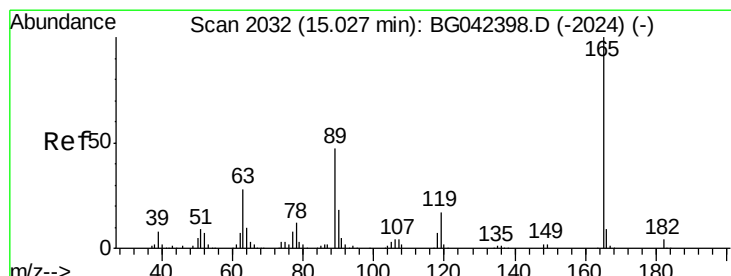
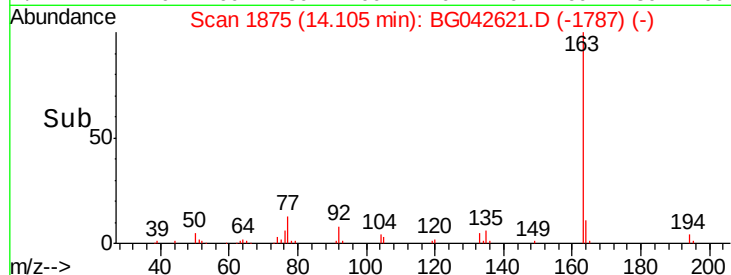
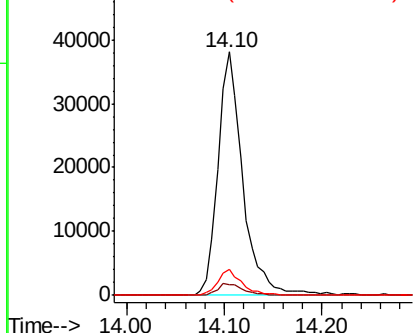
#50
Dimethylphthalate
Concen: 9.437 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 67190
Ion Ratio Lower Upper
163 100
194 4.4 4.2 6.2
164 10.7 8.8 13.2

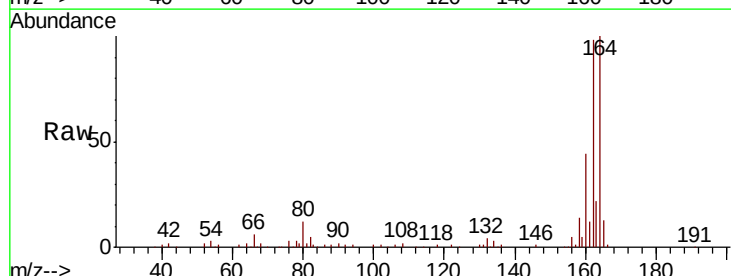


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

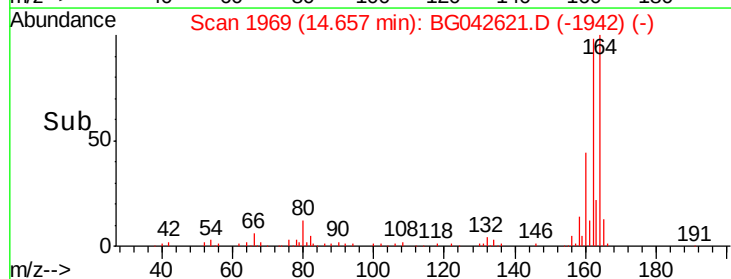
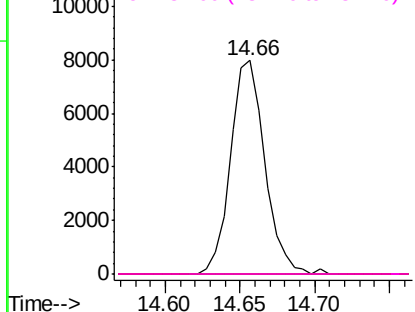


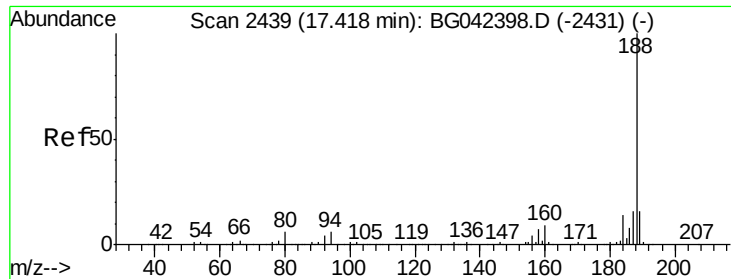
#57
2,4-Dinitrotoluene
Concen: 5.414 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Tgt Ion:165 Resp: 12794
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: BG042621.D

Acq: 31 Aug 2019 4:19

Instrument :

BNA_G

ClientSampleId :

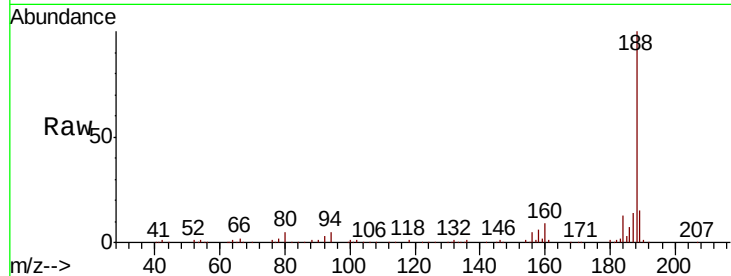
Tot Ion:188 Resp: 225395

Ion Ratio Lower Upper

188 100

94 5.5 4.5 6.7

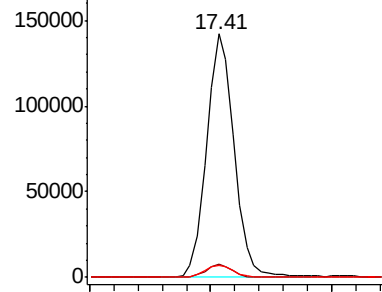
80 5.1 4.9 7.3



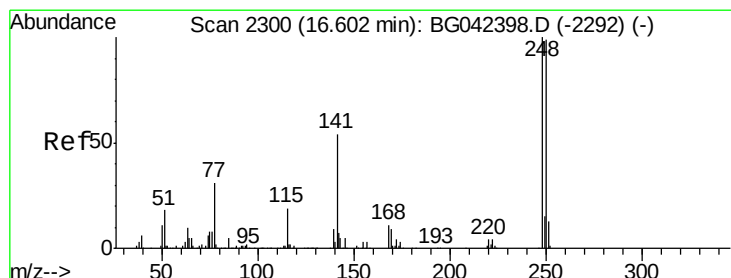
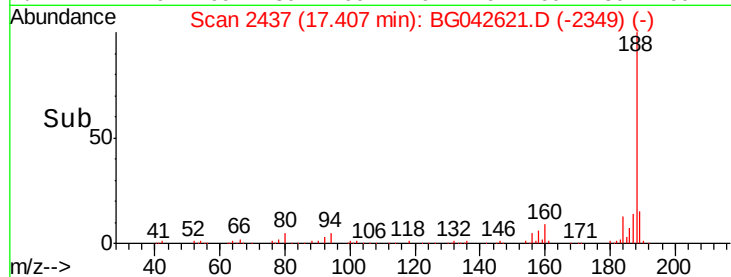
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 5.537 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042621.D

Acq: 31 Aug 2019 4:19

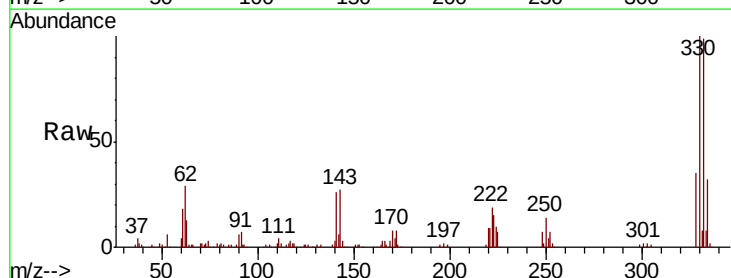
Tgt Ion:248 Resp: 15829

Ion Ratio Lower Upper

248 100

250 200.4 78.9 118.3#

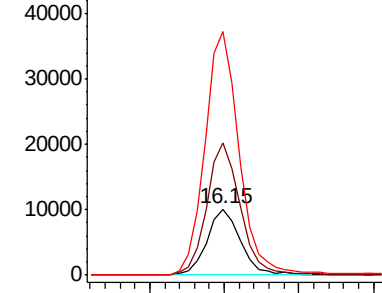
141 368.7 43.3 64.9#



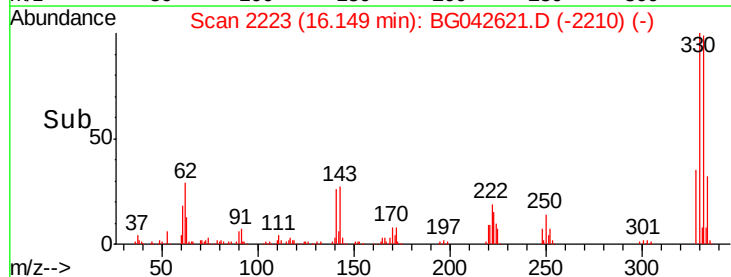
Abundance Ion 248.00 (247.70 to 248.70): E

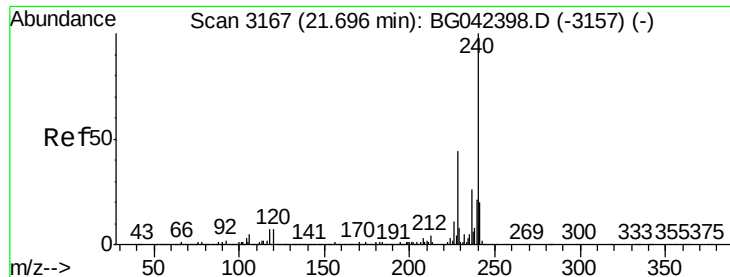
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20

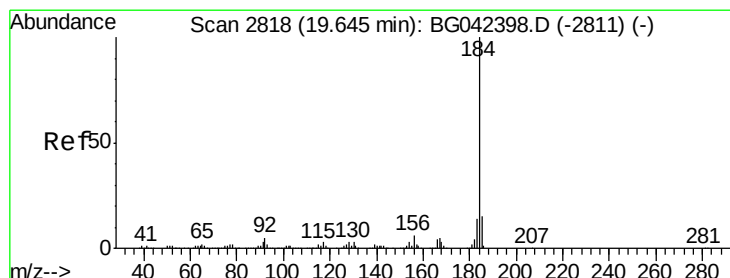
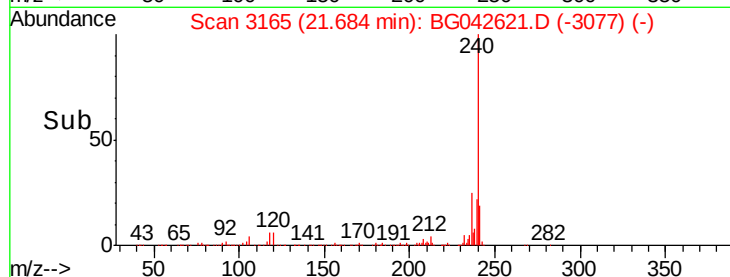
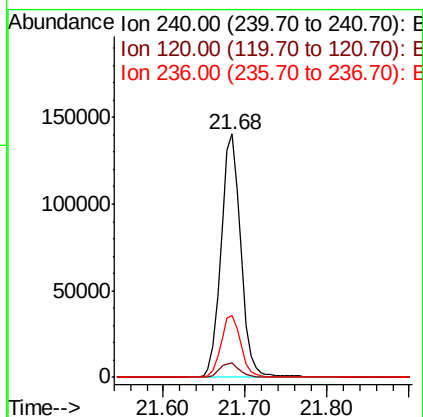
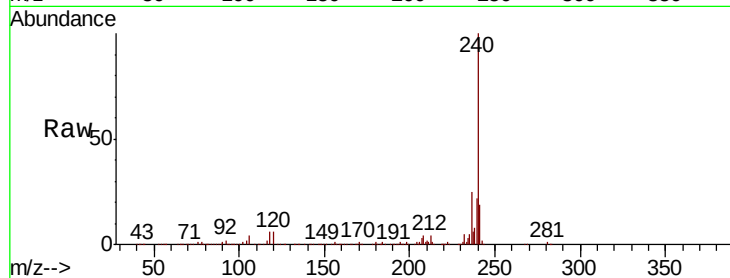




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

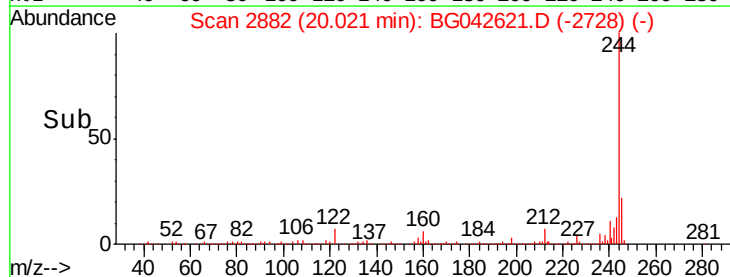
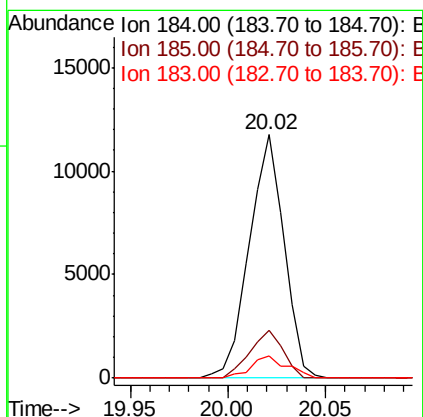
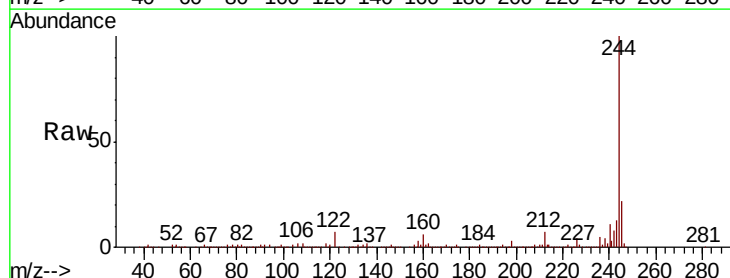
Instrument :
BNA_G
ClientSampleId :

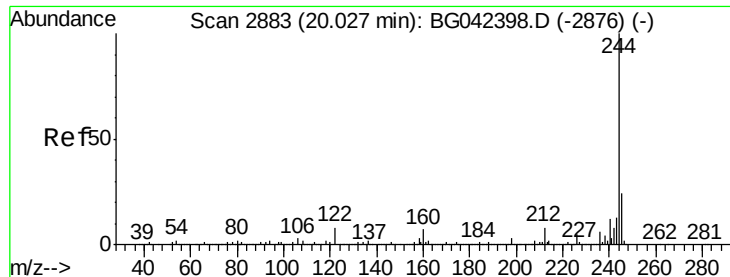
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	25.2	21.0	31.4



#77
Benzidine
Concen: 2.147 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042621.D
Acq: 31 Aug 2019 4:19

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.6	12.2	18.4#
183	9.2	10.8	16.2#





#79

Terphenyl-d14

Concen: 103.612 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042621.D

Acq: 31 Aug 2019 4:19

Instrument :

BNA_G

ClientSampled :

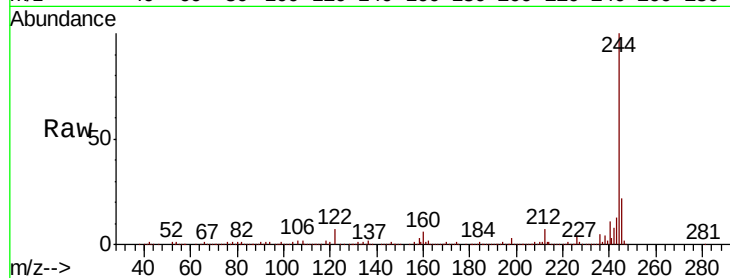
Tot Ion:244 Resp: 1129639

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

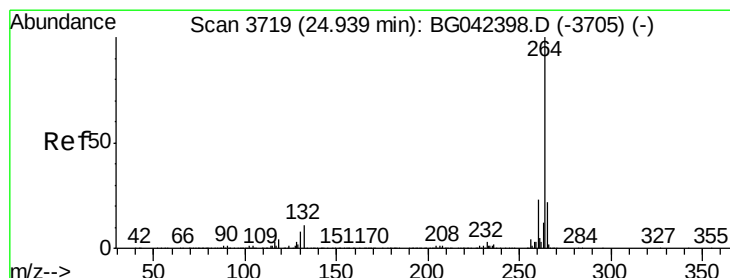
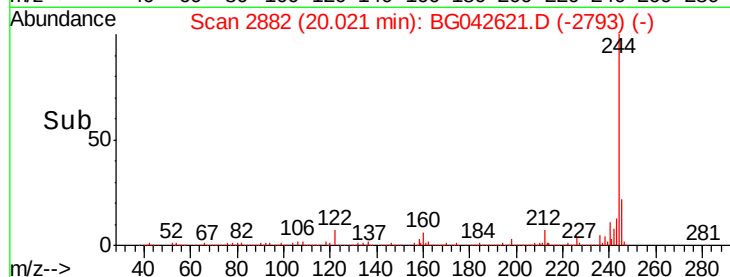
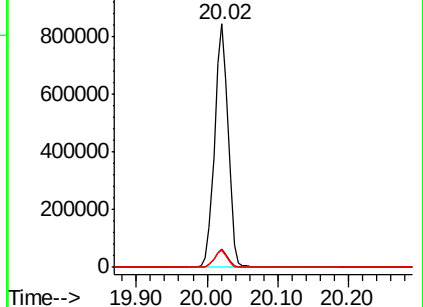
122 7.1 6.7 10.1



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042621.D

Acq: 31 Aug 2019 4:19

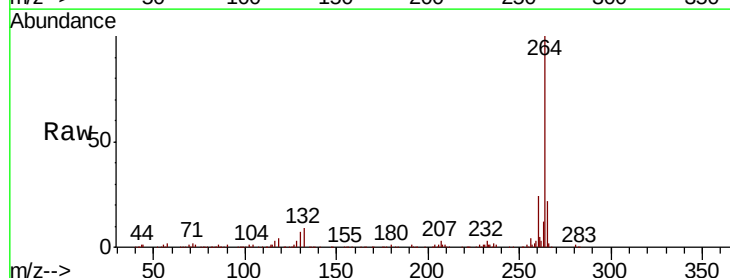
Tgt Ion:264 Resp: 278957

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 22.0 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

