

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042375.D
 Acq On : 21 Aug 2019 2:21
 Operator : HP/JU
 Sample : K4383-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:33:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

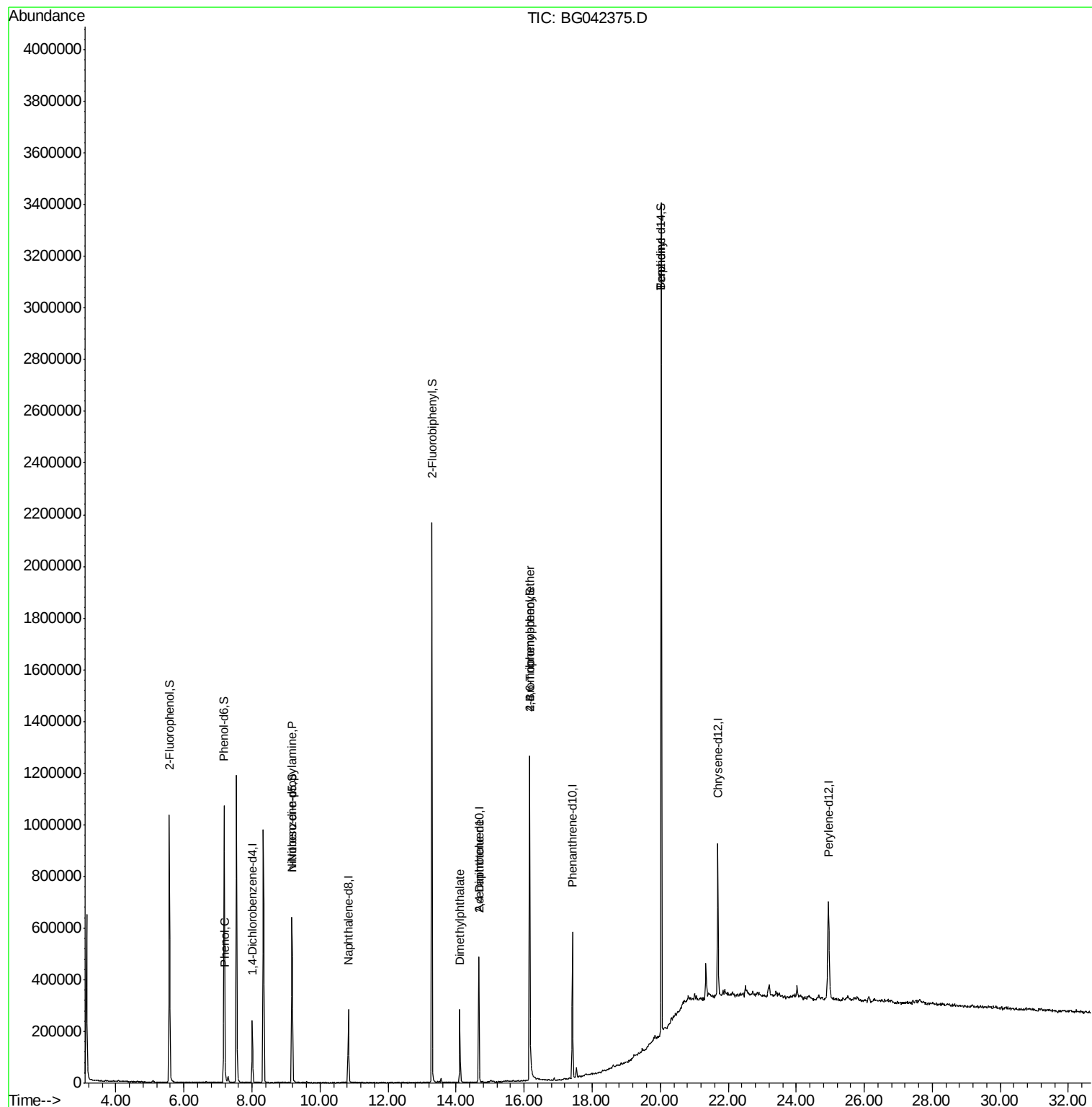
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	78399	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	292071	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	196629	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	392120	20.00	ng	0.00
76) Chrysene-d12	21.70	240	383182	20.00	ng	0.00
87) Perylene-d12	24.95	264	474075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	544972	140.84	ng	0.01
7) Phenol-d6	7.18	99	729579	138.83	ng	0.02
23) Nitrobenzene-d5	9.18	82	420247	101.20	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	369502	137.97	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1205939	103.78	ng	0.00
79) Terphenyl-d14	20.03	244	1606670	91.84	ng	0.00
Target Compounds						
10) Phenol	7.21	94	19389	3.629	ng	80
19) n-Nitroso-di-n-propylamine	9.18	70	53884	15.941	ng	# 73
50) Dimethylphthalate	14.11	163	226184	16.188	ng	99
57) 2,4-Dinitrotoluene	14.66	165	26128	5.715	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	23881	4.786	ng	# 1
77) Benzidine	20.03	184	23182	2.282	ng	97

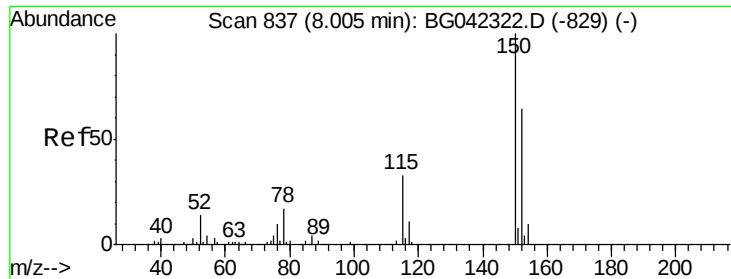
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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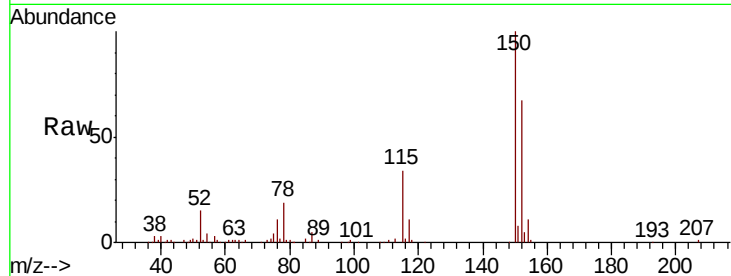


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	124.3	186.5
115	51.3	40.5	60.7

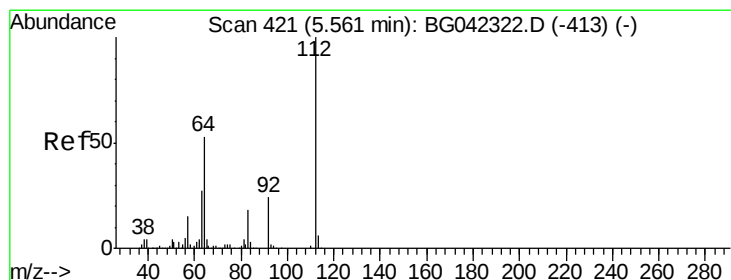
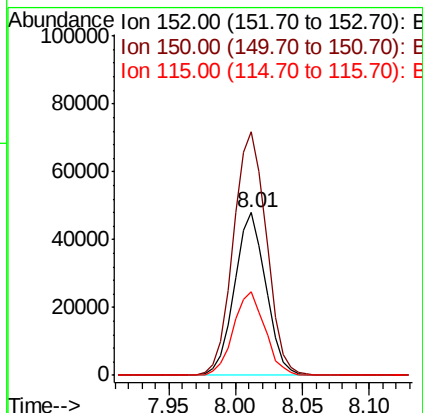
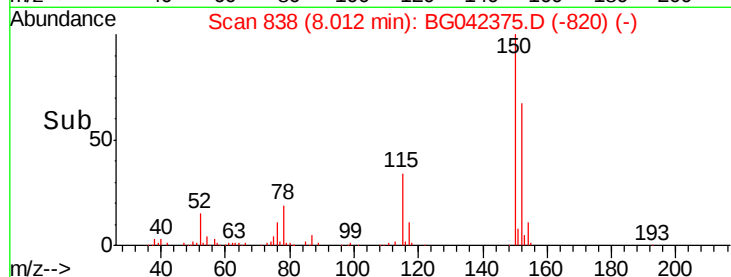


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

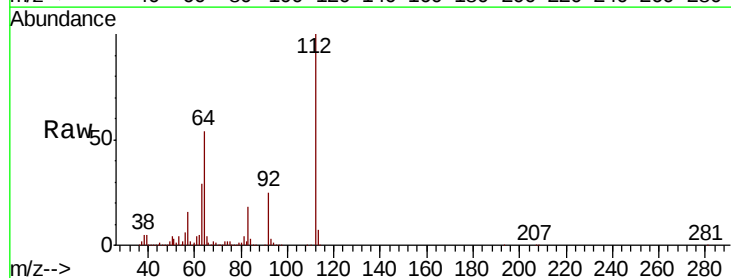
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 140.839 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.5	63.7
63	29.0	21.7	32.5

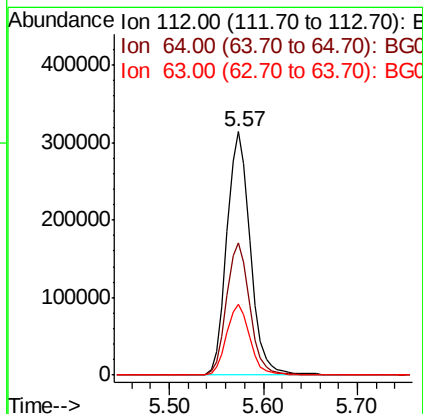
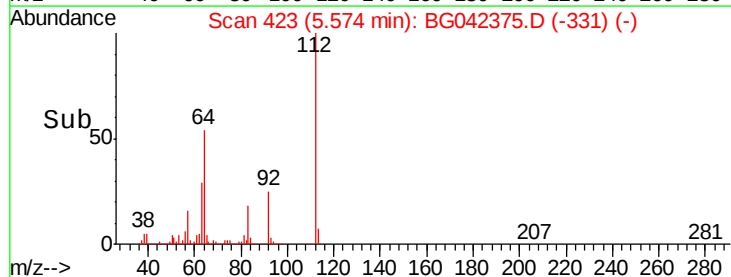


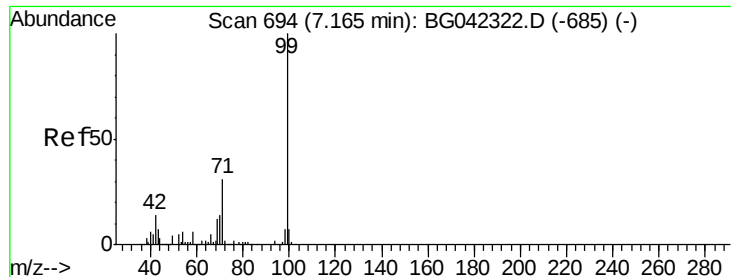
Abundance

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: 138.830 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

Instrument :

BNA_G

ClientSampled :

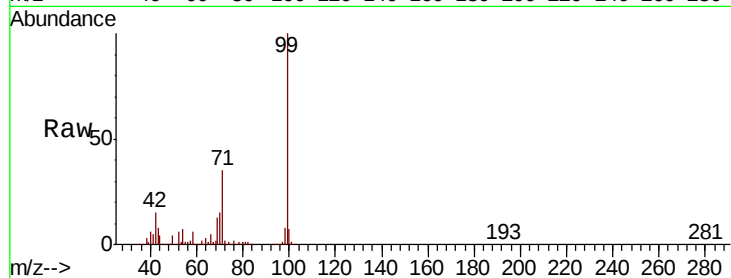
Tot Ion: 99 Resp: 729579

Ion Ratio Lower Upper

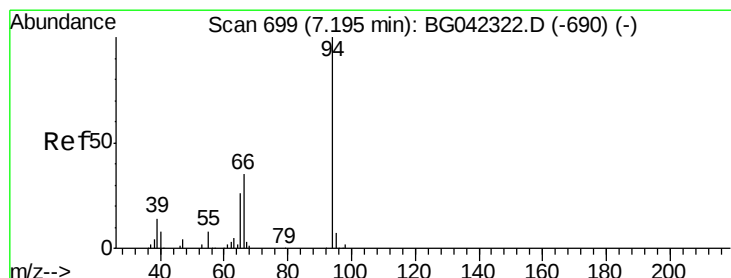
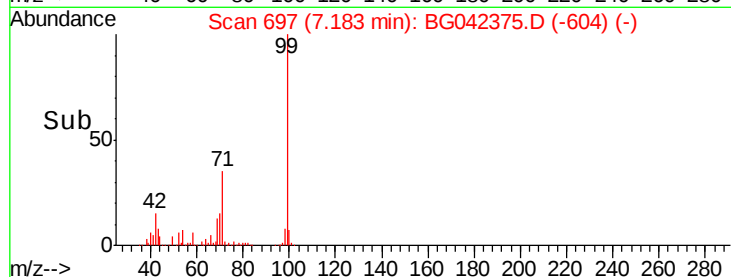
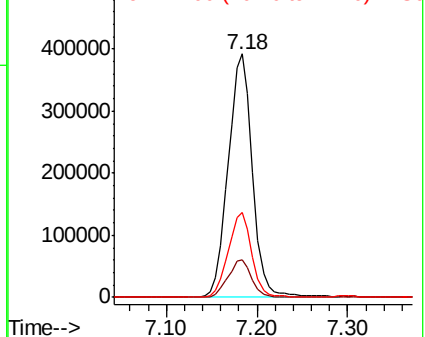
99 100

42 15.2 11.4 17.0

71 34.6 25.1 37.7



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: 3.629 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

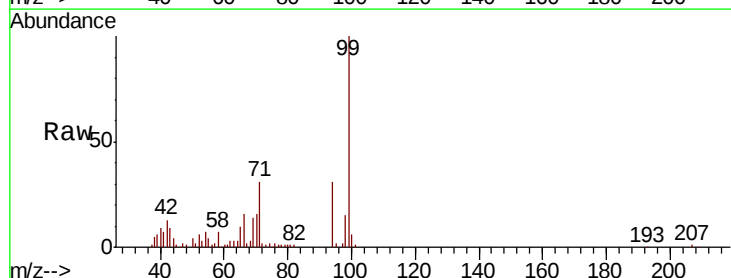
Tgt Ion: 94 Resp: 19389

Ion Ratio Lower Upper

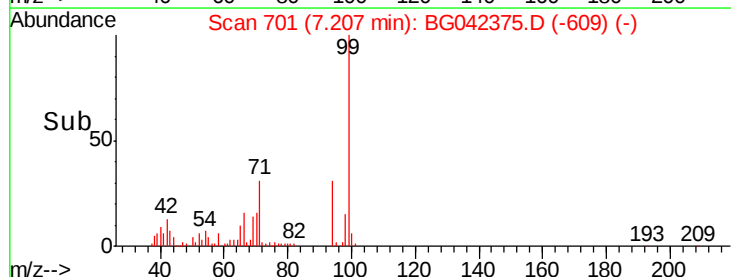
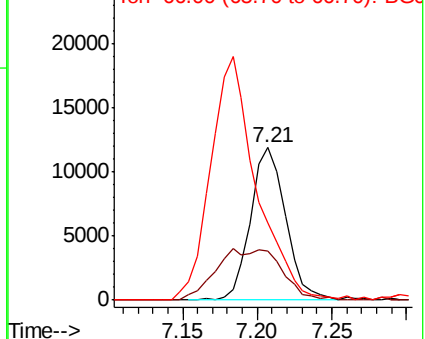
94 100

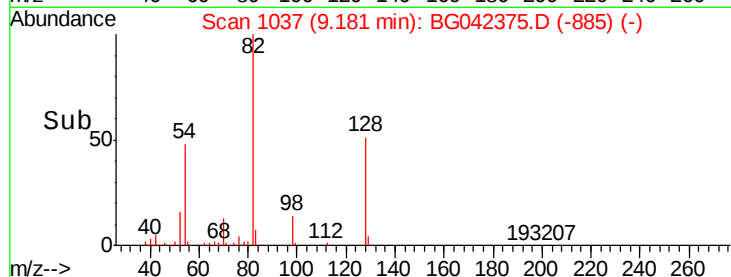
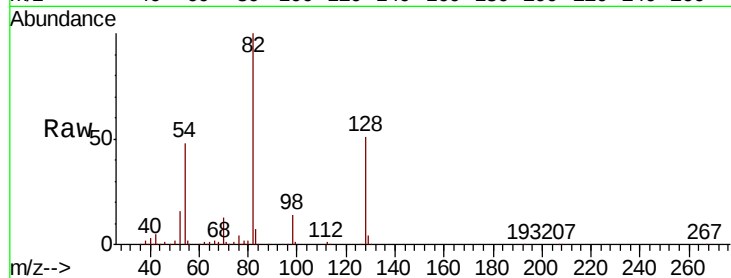
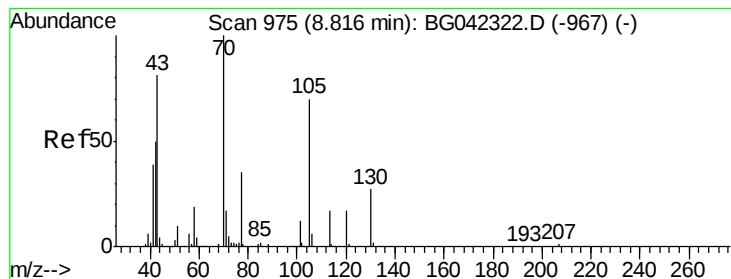
65 32.2 6.1 46.1

66 50.8 15.7 55.7



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: 15.941 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.36 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 53884

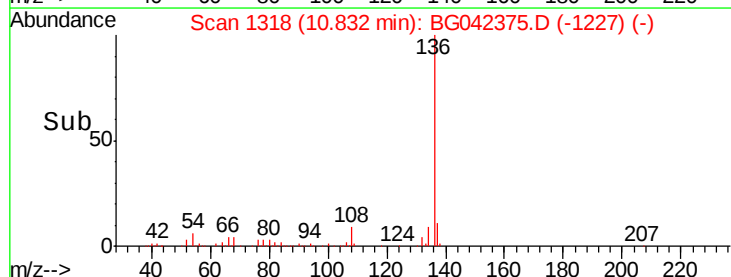
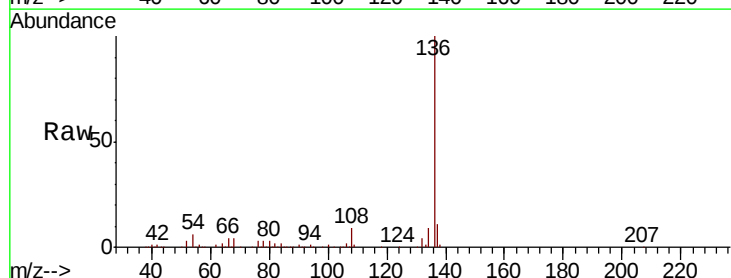
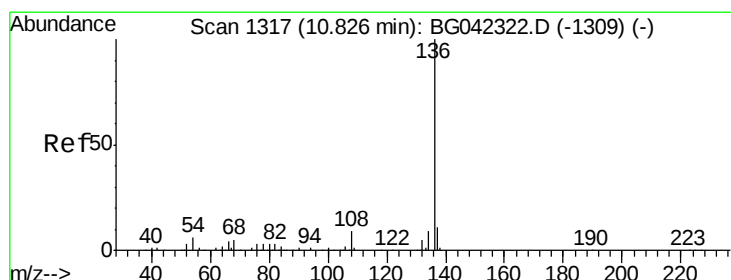
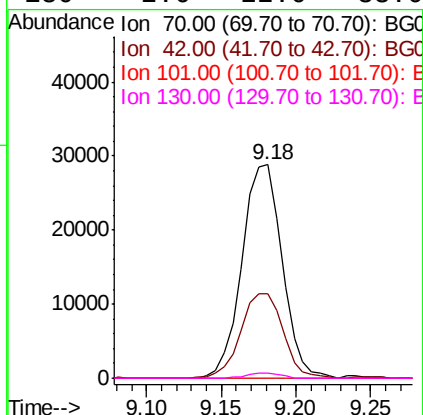
Ion Ratio Lower Upper

70 100

42 39.7 40.5 60.7#

101 0.0 9.3 13.9#

130 2.6 22.0 33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

Tgt Ion: 136 Resp: 292071

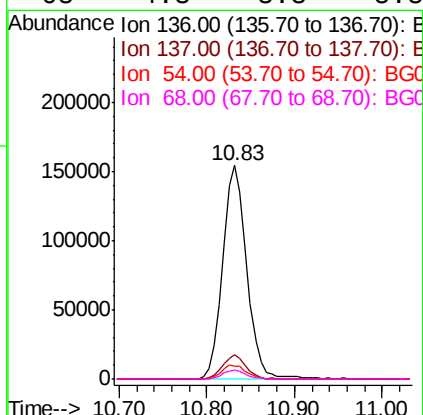
Ion Ratio Lower Upper

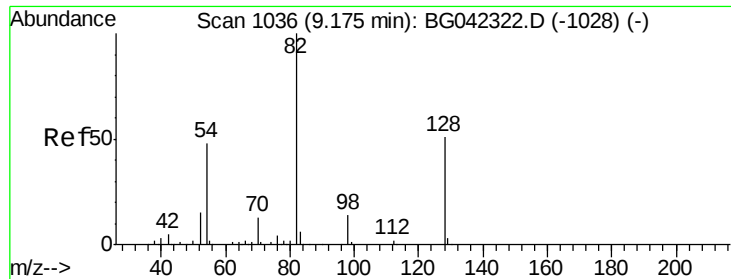
136 100

137 11.2 8.4 12.6

54 6.2 5.0 7.4

68 4.3 3.8 5.8

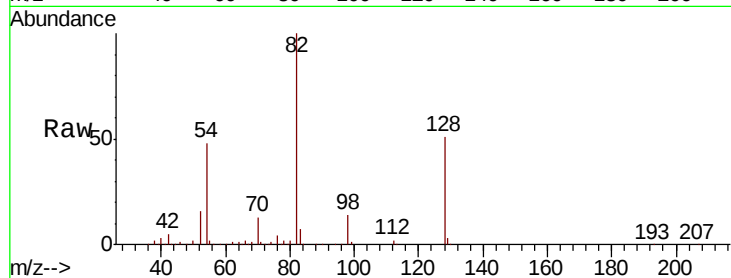




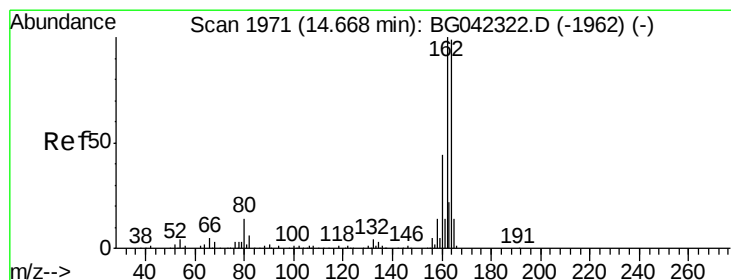
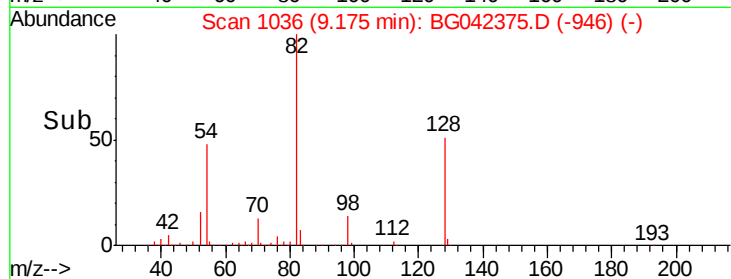
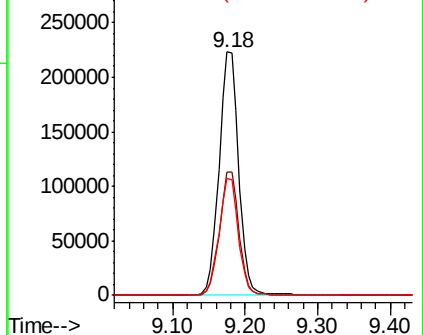
#23
Nitrobenzene-d5
Concen: 101.199 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	420247
Ion Ratio	Lower	Upper	
82	100		
128	50.7	41.0	61.4
54	47.9	38.0	57.0

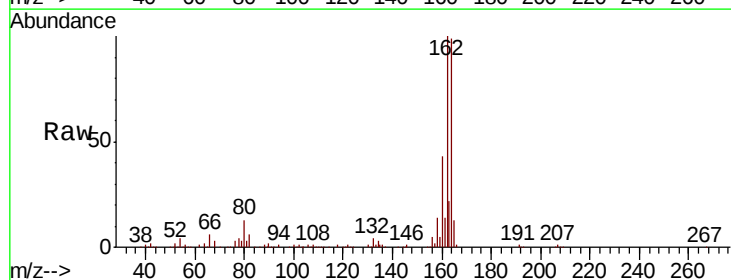


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

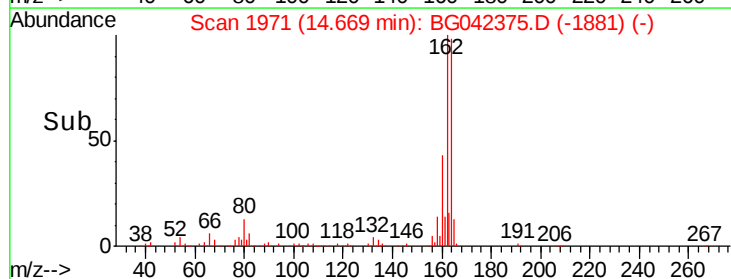
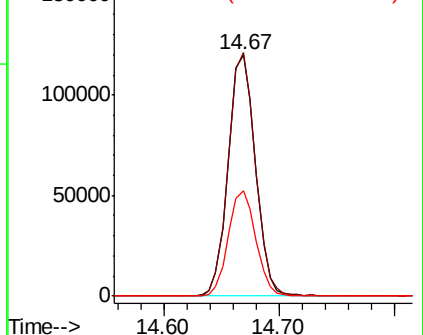


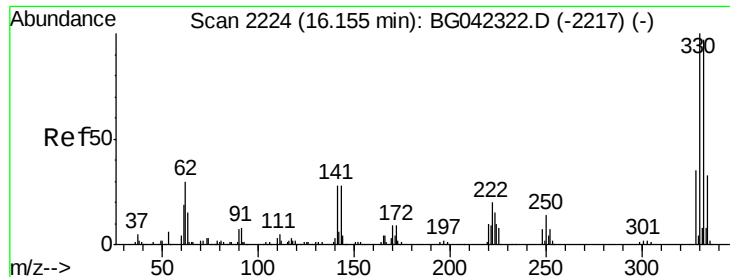
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Tgt Ion	164	Resp	196629
Ion Ratio	Lower	Upper	
164	100		
162	100.8	80.6	120.8
160	43.7	35.7	53.5



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

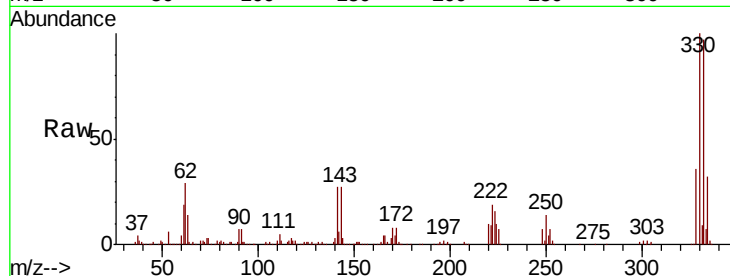




#42
 2,4,6-Tribromophenol
 Concen: 137.975 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BG042375.D
 Acq: 21 Aug 2019 2:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.9	115.3
141	27.3	21.8	32.6

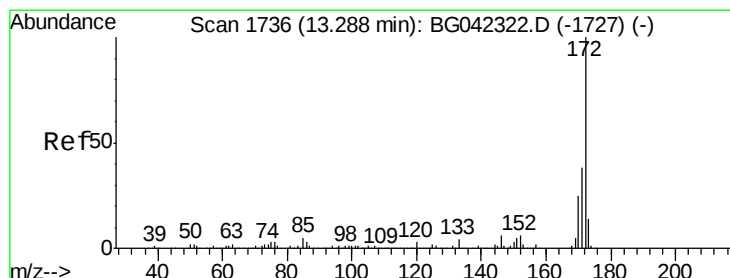
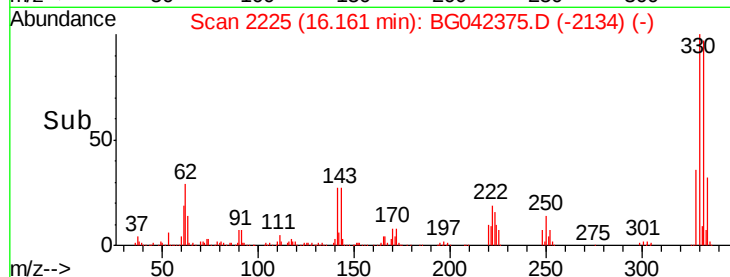
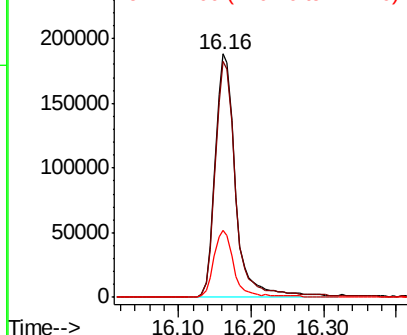


Abundance

Ion 329.80 (329.50 to 330.50): E

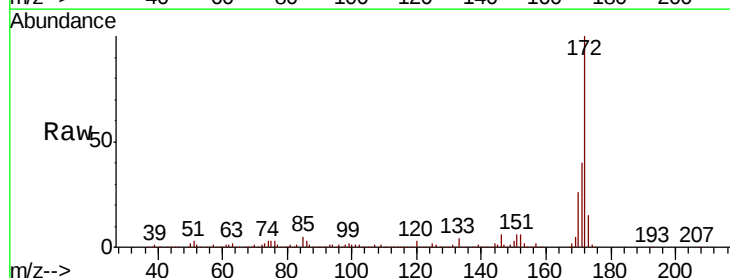
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 103.781 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG042375.D
 Acq: 21 Aug 2019 2:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	30.3	45.5
170	25.8	20.0	30.0

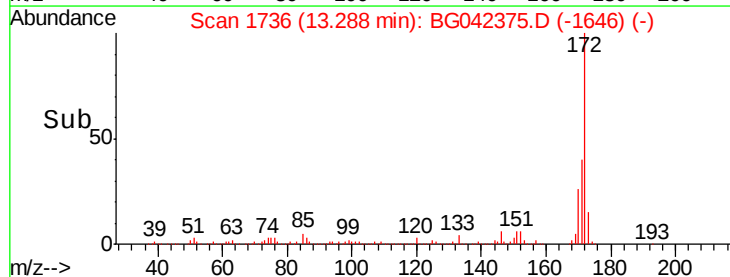
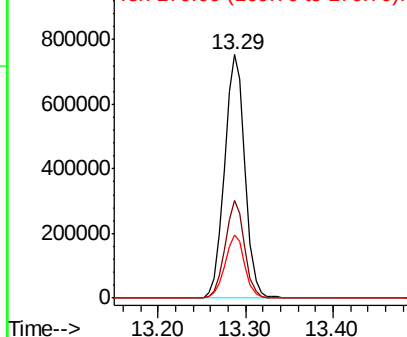


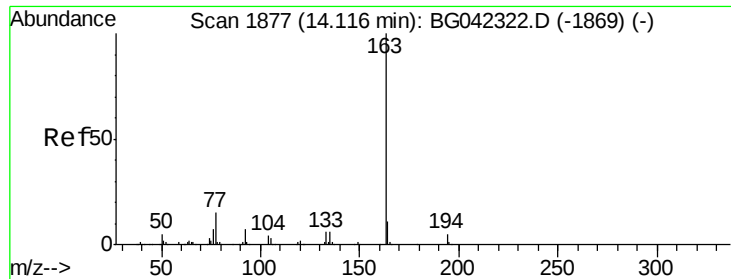
Abundance

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

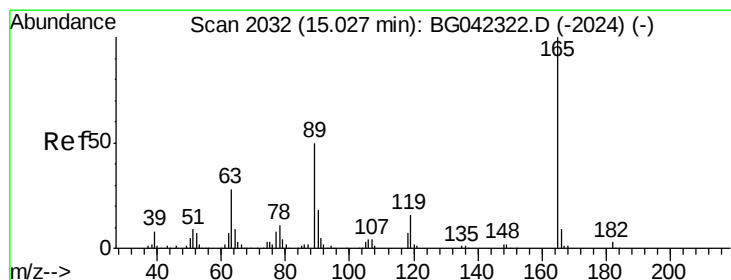
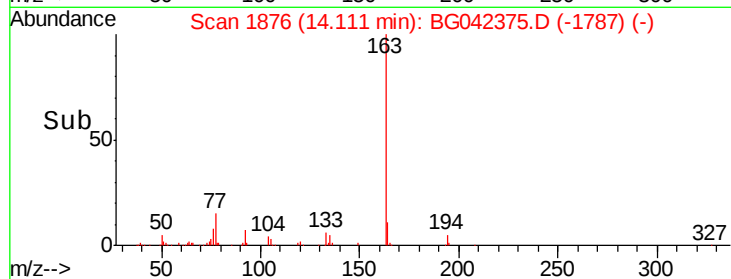
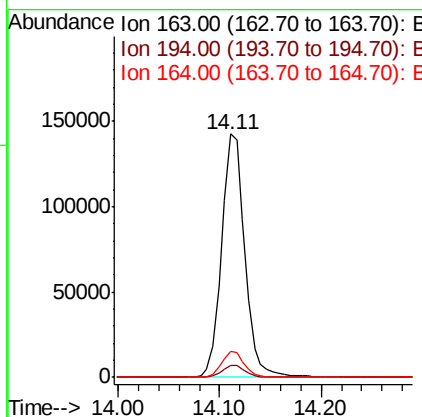
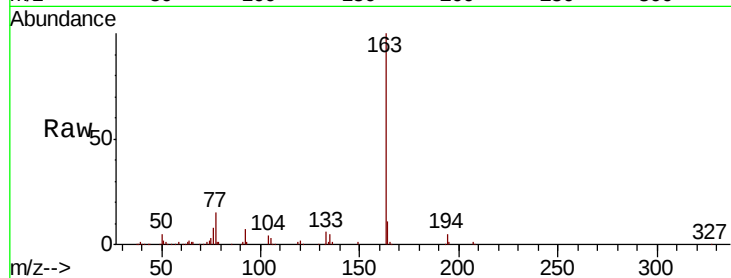




#50
Dimethylphthalate
Concen: 16.188 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

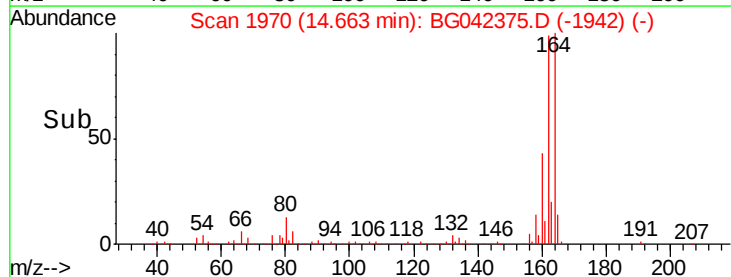
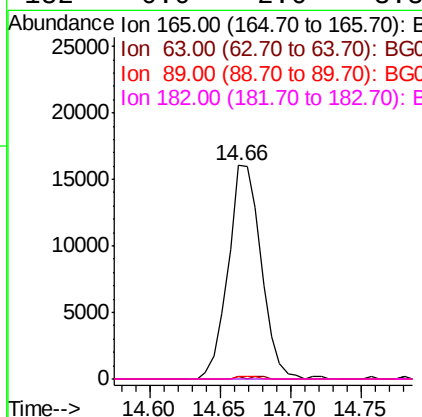
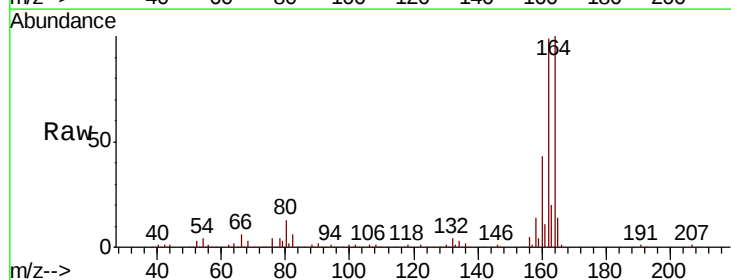
Instrument :
BNA_G
ClientSampleId :

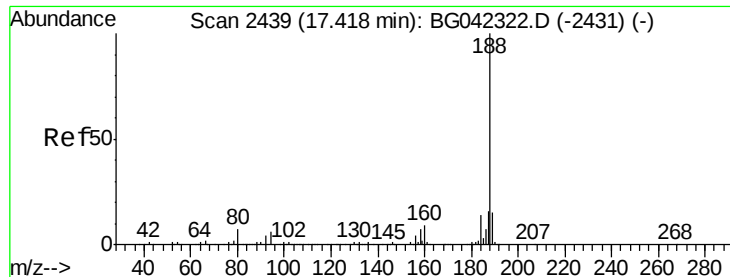
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.2
164	10.7	8.8	13.2



#57
2,4-Dinitrotoluene
Concen: 5.715 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.4	33.6#
89	1.1	40.2	60.2#
182	0.0	2.6	3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

Instrument :

BNA_G

ClientSampleId :

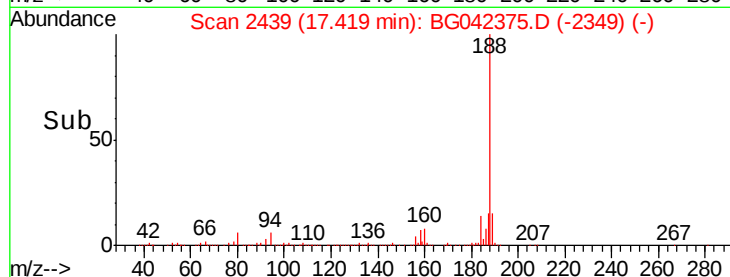
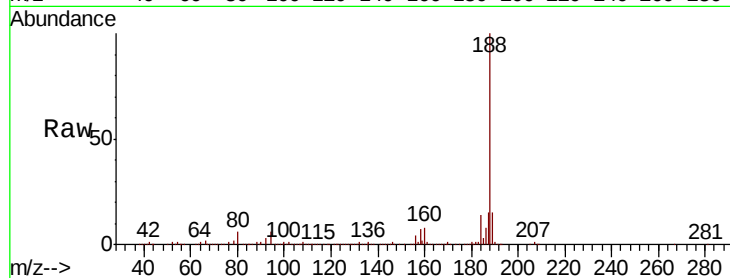
Tot Ion:188 Resp: 392120

Ion Ratio Lower Upper

188 100

94 5.9 4.9 7.3

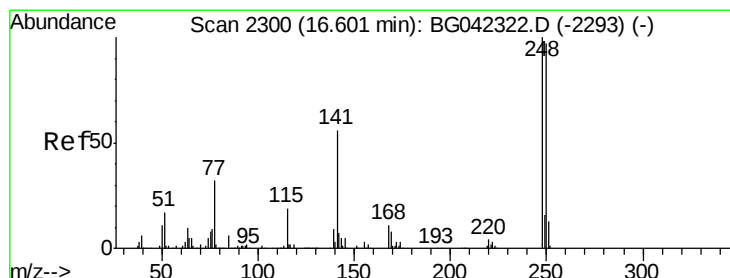
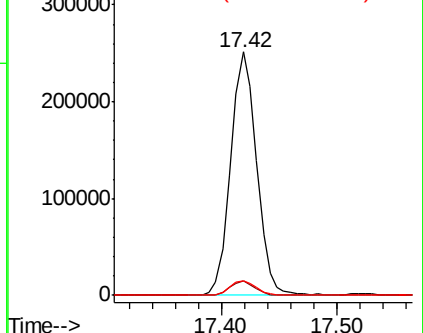
80 6.1 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.786 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

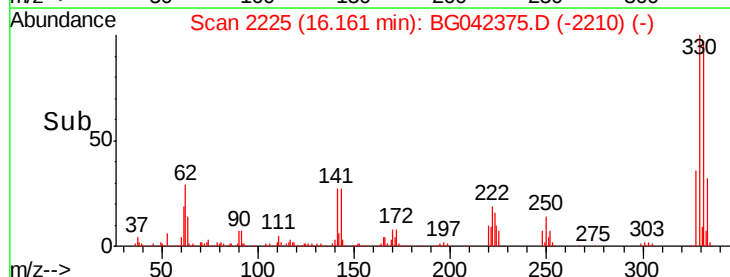
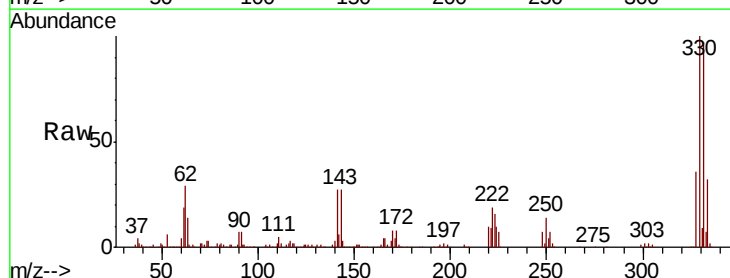
Tgt Ion:248 Resp: 23881

Ion Ratio Lower Upper

248 100

250 199.0 78.0 117.0#

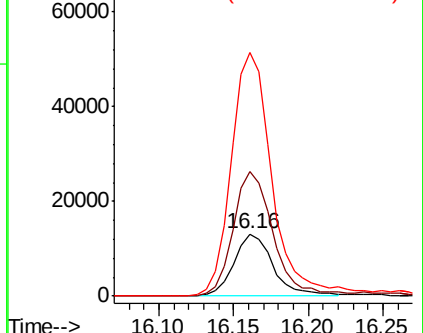
141 389.8 44.9 67.3#

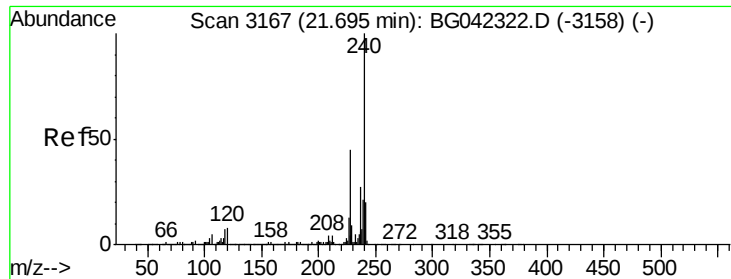


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

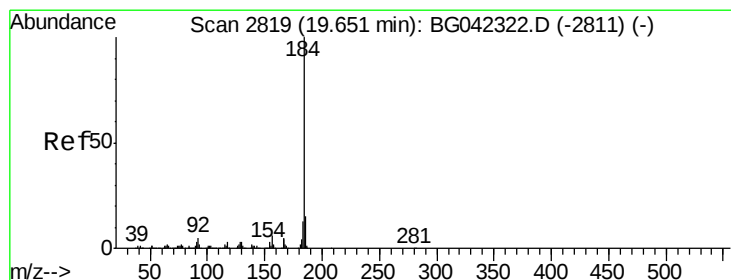
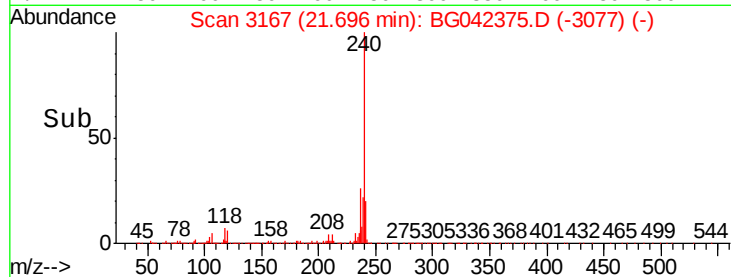
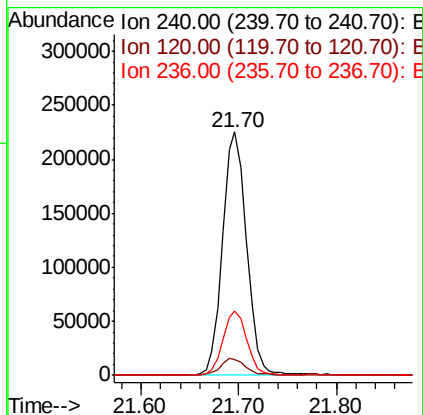
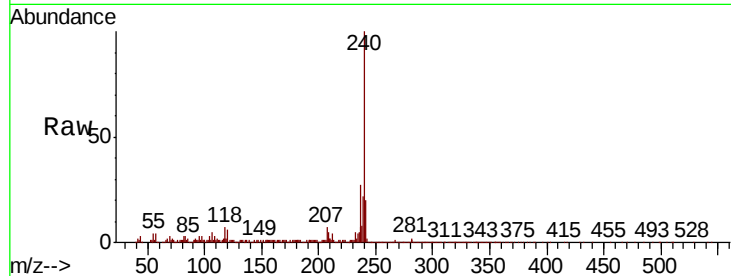




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

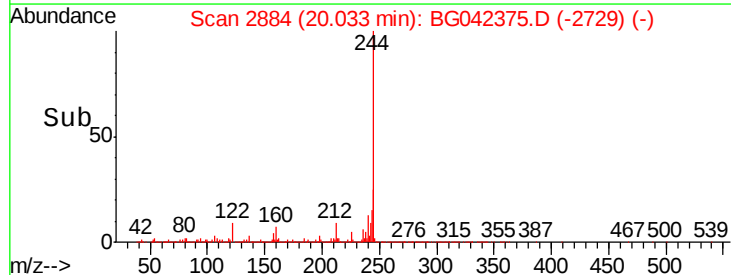
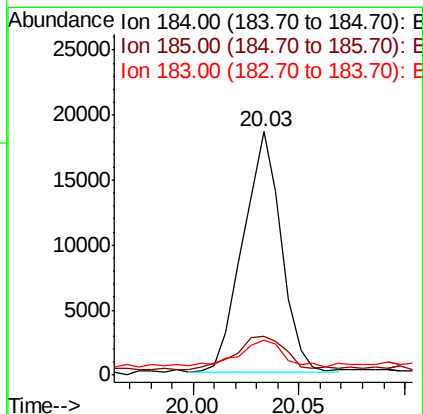
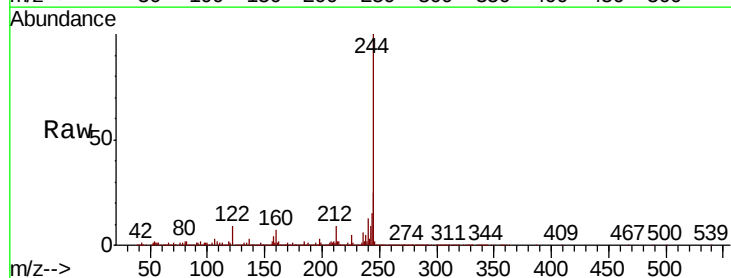
Instrument :
BNA_G
ClientSampleId :

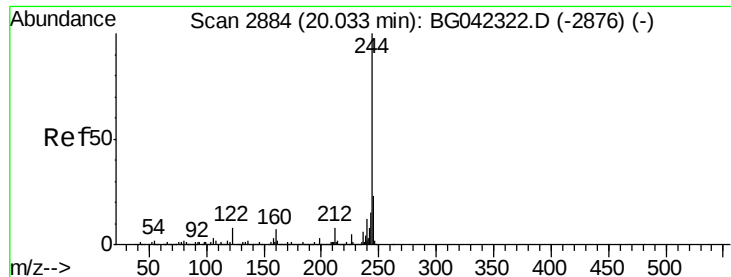
Tot Ion:240 Resp: 383182
Ion Ratio Lower Upper
240 100
120 6.4 6.0 9.0
236 26.7 21.6 32.4



#77
Benzidine
Concen: 2.282 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG042375.D
Acq: 21 Aug 2019 2:21

Tgt Ion:184 Resp: 23182
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.6
183 14.4 10.6 15.8





#79

Terphenyl-d14

Concen: 91.838 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

Instrument :

BNA_G

ClientSampled :

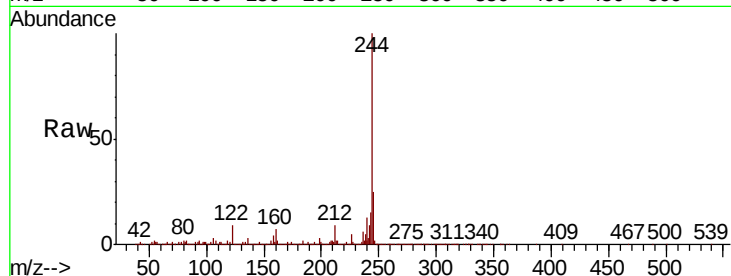
Tot Ion:244 Resp: 1606670

Ion Ratio Lower Upper

244 100

212 8.6 6.4 9.6

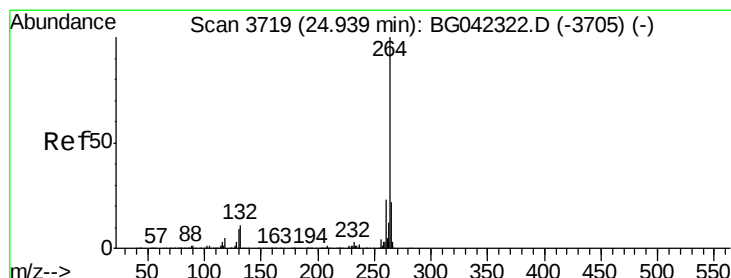
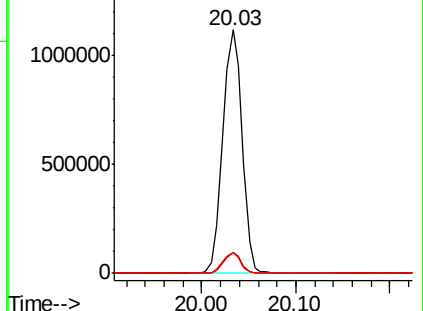
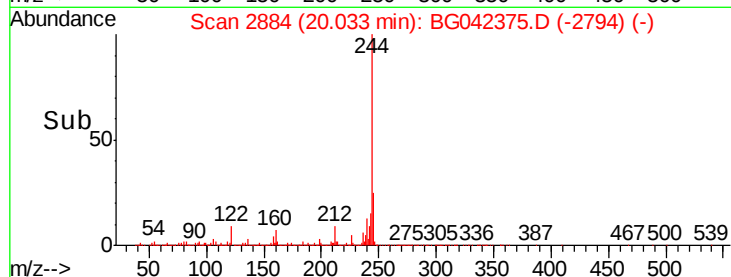
122 8.7 6.6 10.0



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: 24.95 min Scan# 3720

Delta R.T. 0.01 min

Lab File: BG042375.D

Acq: 21 Aug 2019 2:21

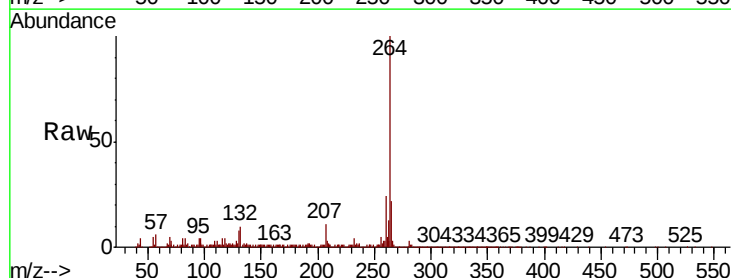
Tgt Ion:264 Resp: 474075

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 22.5 17.4 26.0



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

