

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042461.D
 Acq On : 24 Aug 2019 10:53
 Operator : HP/JU
 Sample : K4487-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 05:00:14 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	68441	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	270003	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	189775	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	408768	20.00	ng	0.00
76) Chrysene-d12	21.69	240	398781	20.00	ng	-0.01
87) Perylene-d12	24.93	264	460409	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	458402	135.65	ng	0.00
7) Phenol-d6	7.17	99	569081	124.67	ng	0.00
23) Nitrobenzene-d5	9.17	82	408620	104.58	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	347201	128.72	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1140778	101.67	ng	0.00
79) Terphenyl-d14	20.03	244	1796618	97.40	ng	0.00

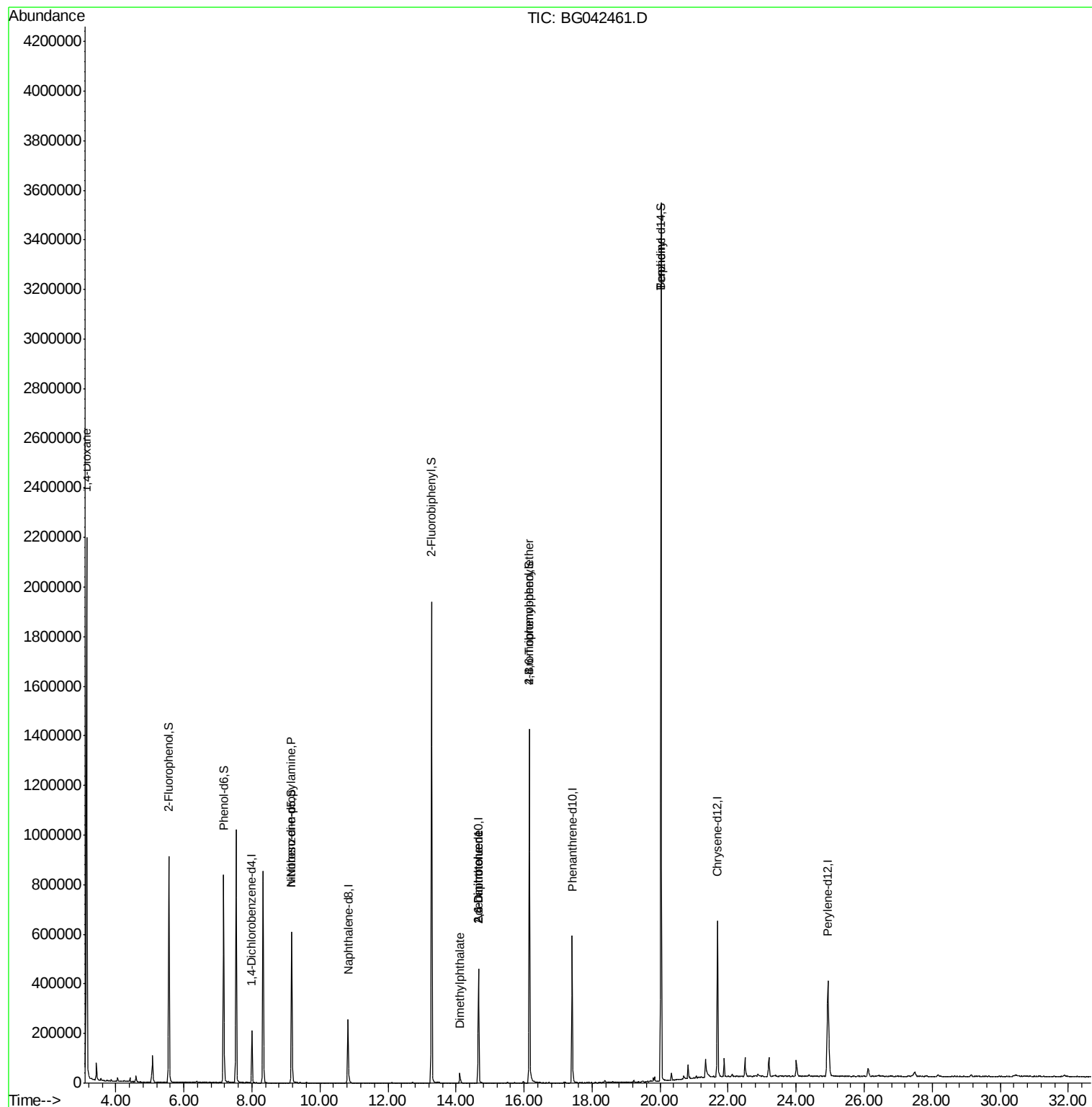
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	24869	17.634	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	51800	17.516	ng	# 72
50) Dimethylphthalate	14.11	163	45429	3.318	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	25321	7.978	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	25321	5.571	ng	# 39
67) 4-Bromophenyl-phenylether	16.15	248	24657	4.755	ng	# 1
77) Benzidine	20.03	184	26319	2.302	ng	# 95

(#) = 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. -0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Instrument :

BNA_G

ClientSampleId :

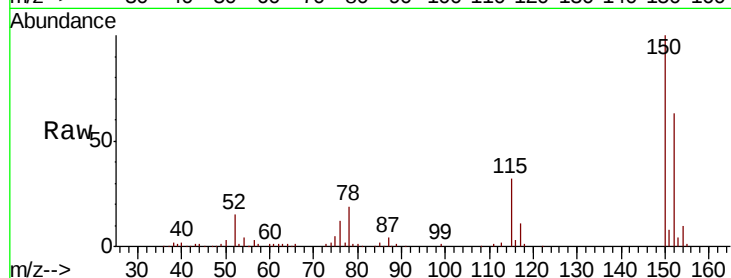
Tot Ion:152 Resp: 68441

Ion Ratio Lower Upper

152 100

150 157.6 125.4 188.0

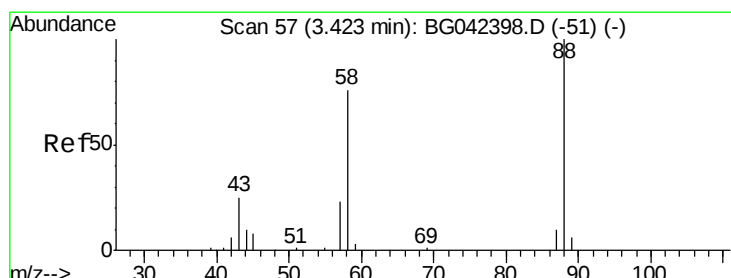
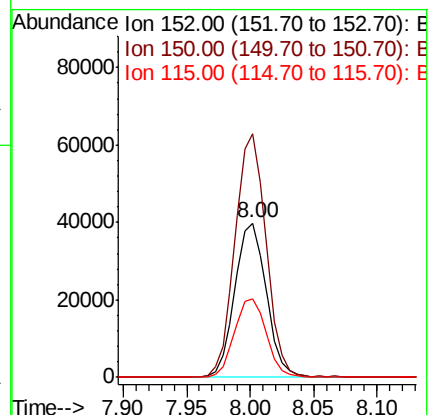
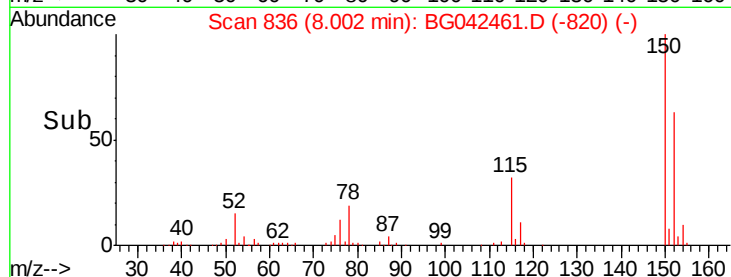
115 50.7 38.5 57.7



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: 17.634 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

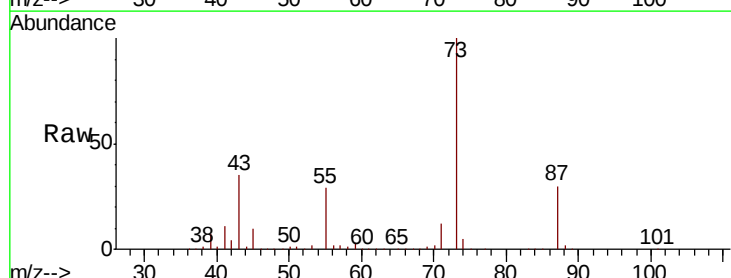
Tgt Ion: 88 Resp: 24869

Ion Ratio Lower Upper

88 100

58 24.9 58.3 87.5#

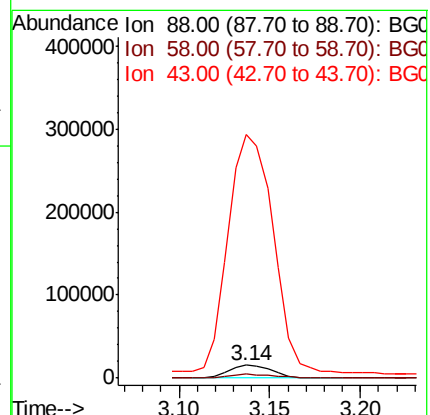
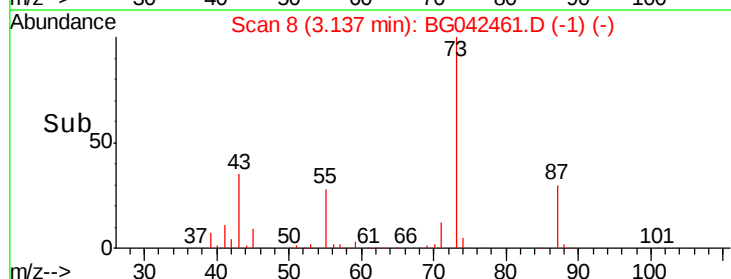
43 2049.7 20.2 30.2#

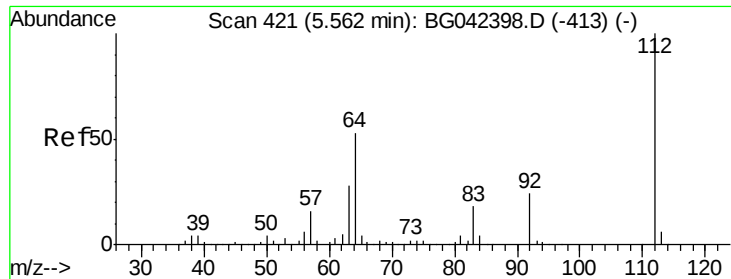


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.649 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Instrument :

BNA_G

ClientSampled :

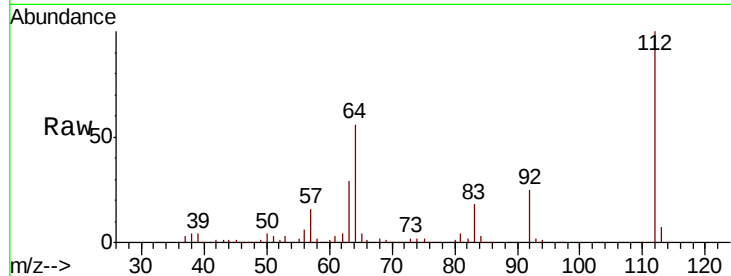
Tot Ion:112 Resp: 458402

Ion Ratio Lower Upper

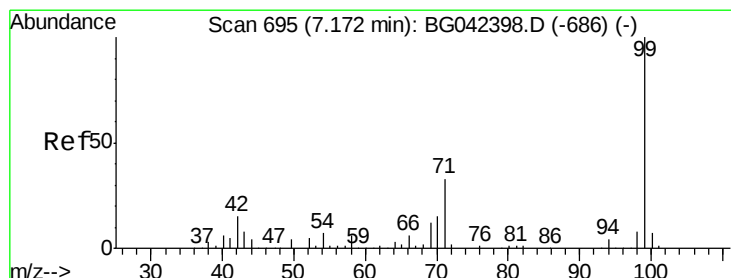
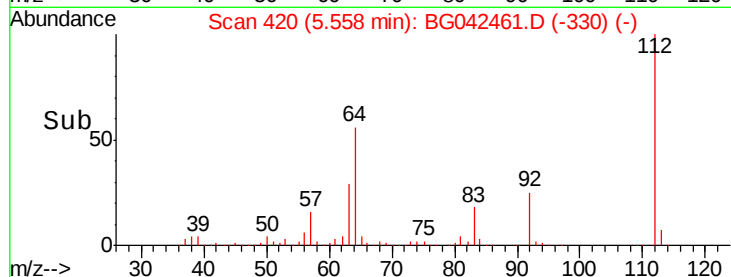
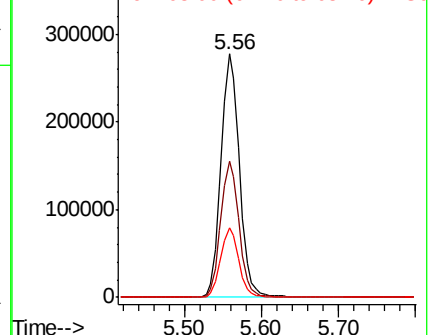
112 100

64 55.8 42.8 64.2

63 28.8 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: 124.670 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

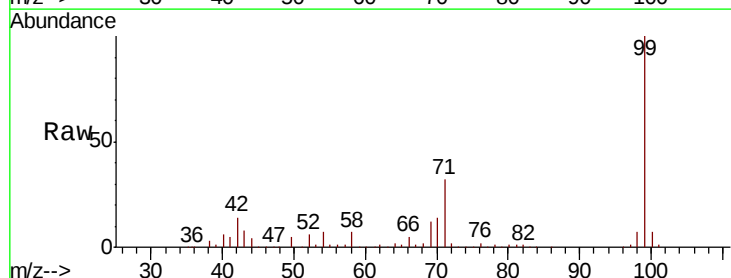
Tgt Ion: 99 Resp: 569081

Ion Ratio Lower Upper

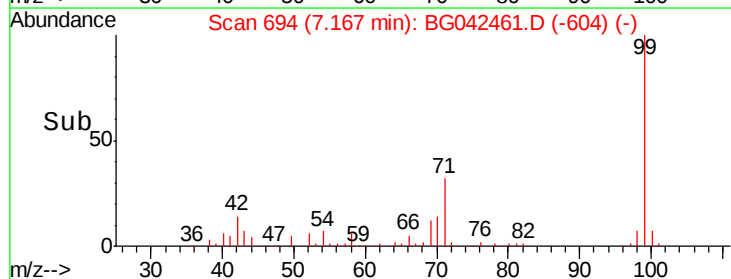
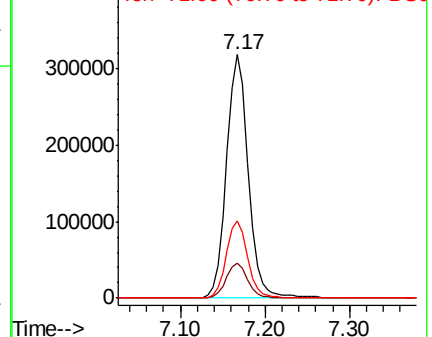
99 100

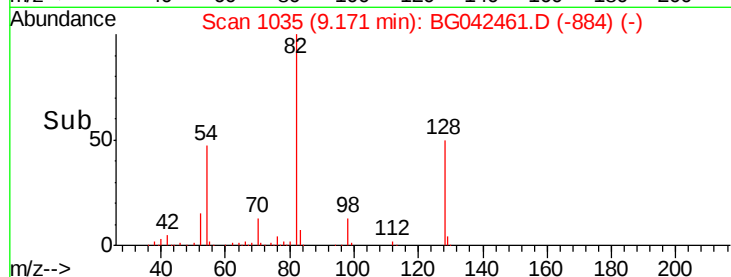
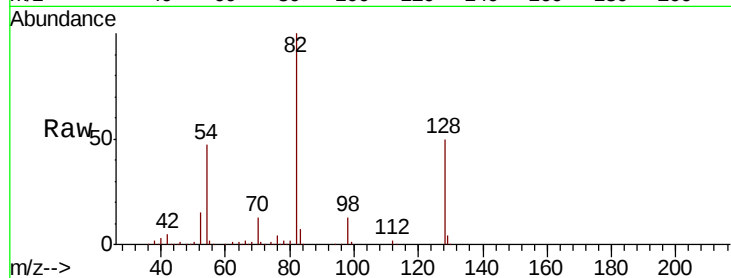
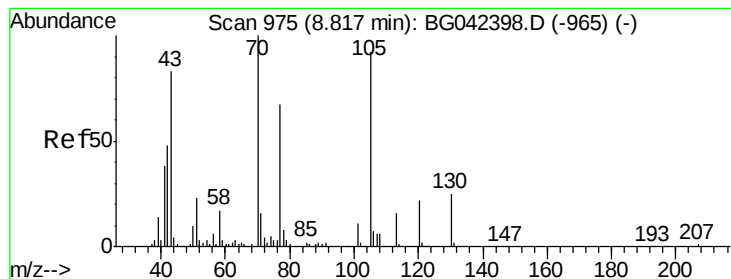
42 14.3 12.0 18.0

71 31.6 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: 17.516 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 51800

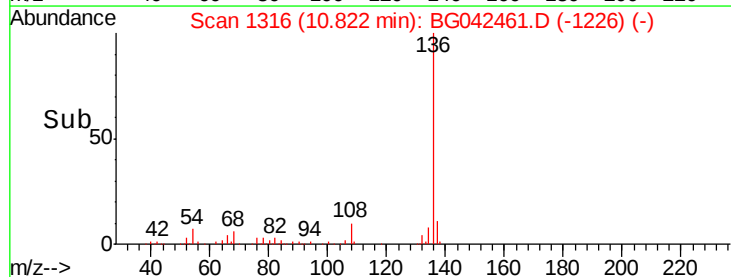
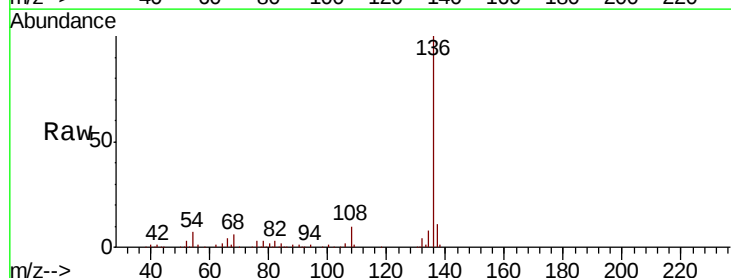
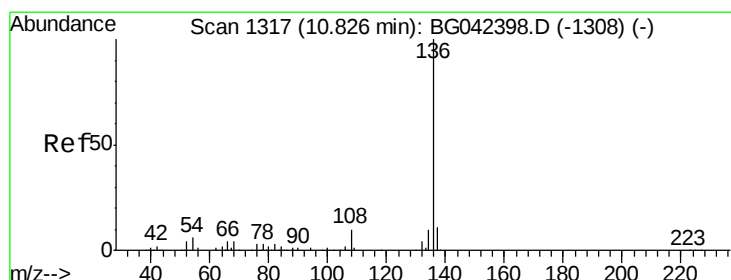
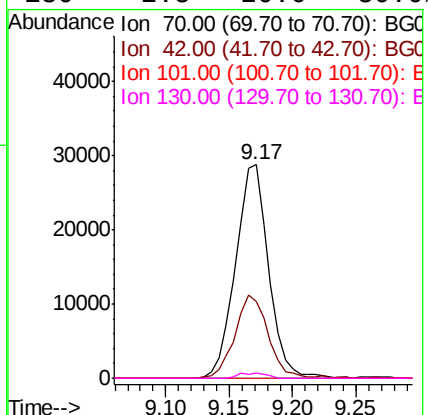
Ion Ratio Lower Upper

70 100

42 35.9 38.8 58.2#

101 0.0 9.0 13.6#

130 2.5 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Tgt Ion: 136 Resp: 270003

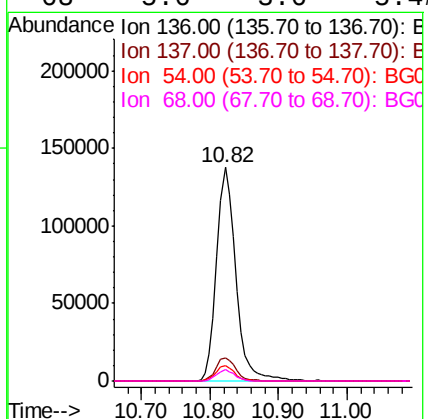
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.3 4.9 7.3

68 5.6 3.6 5.4#

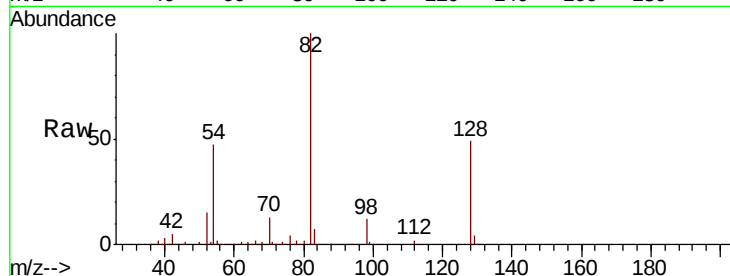




#23
Nitrobenzene-d5
Concen: 104.581 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042461.D
Acq: 24 Aug 2019 10:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	408620
Ion Ratio	Lower	Upper	
82	100		
128	49.0	40.7	61.1
54	47.4	36.3	54.5

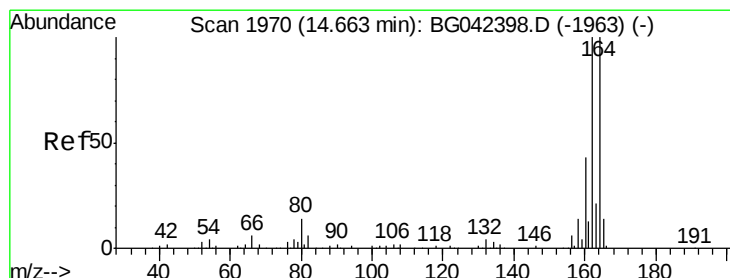
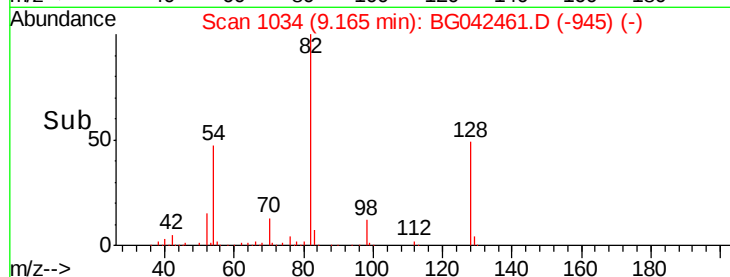
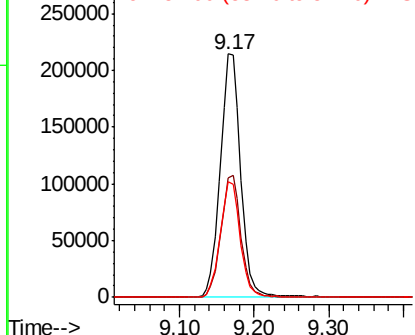


Abundance

Ion 82.00 (81.70 to 82.70): BGC

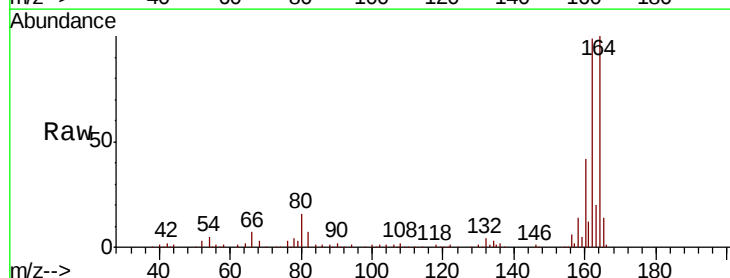
Ion 128.00 (127.70 to 128.70): BGC

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: BG042461.D
Acq: 24 Aug 2019 10:53

Tgt Ion	164	Resp	189775
Ion Ratio	Lower	Upper	
164	100		
162	98.5	79.9	119.9
160	42.1	34.3	51.5

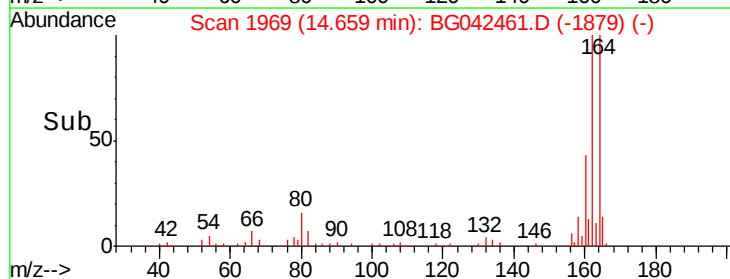
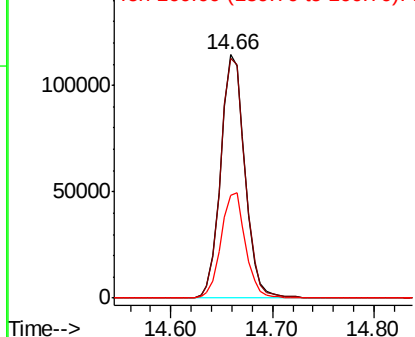


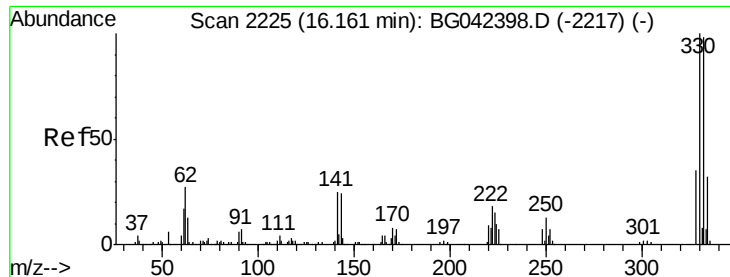
Abundance

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

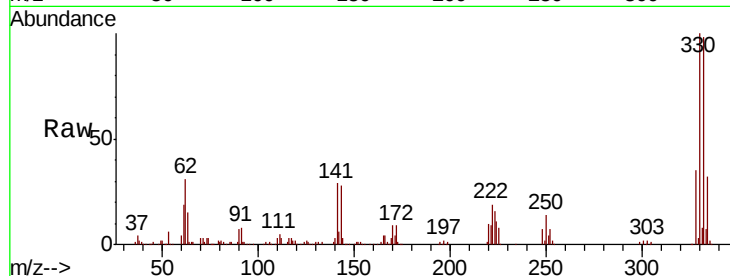




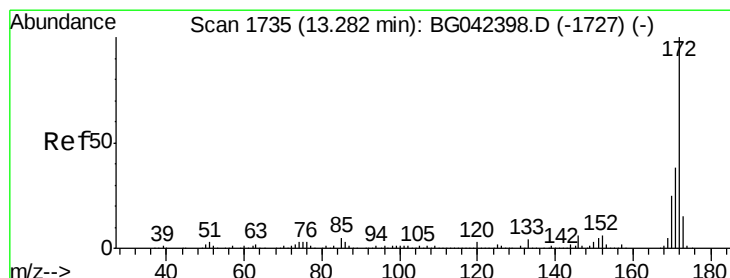
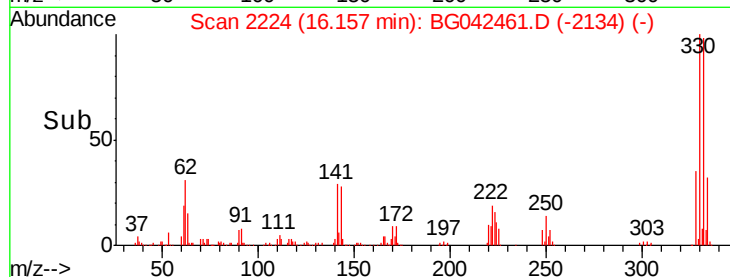
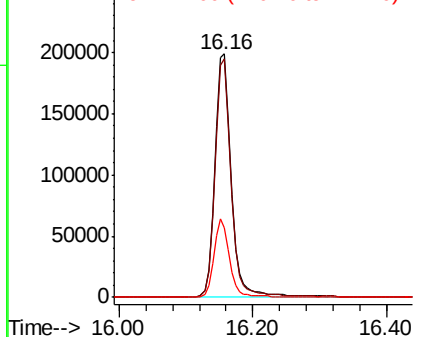
#42
 2,4,6-Tribromophenol
 Concen: 128.720 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BG042461.D
 Acq: 24 Aug 2019 10:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	30.9	21.4	32.0

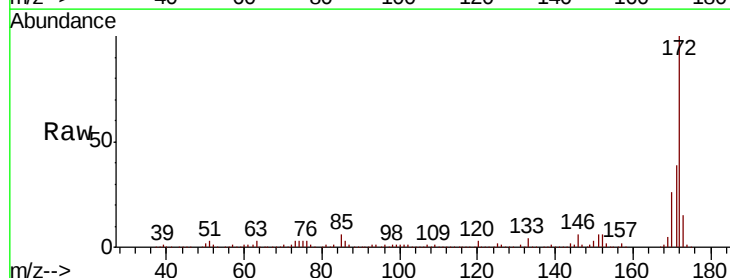


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

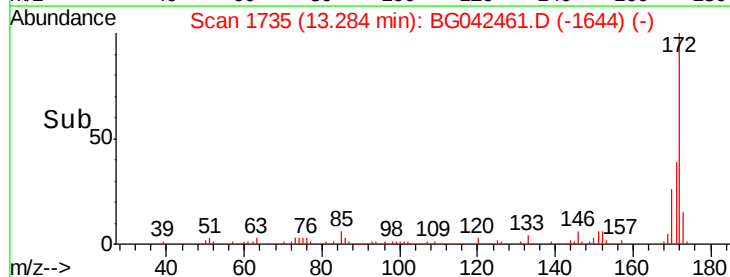
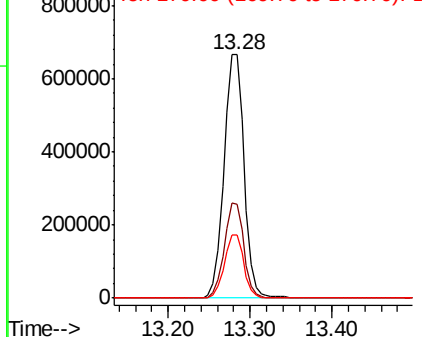


#45
 2-Fluorobiphenyl
 Concen: 101.667 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG042461.D
 Acq: 24 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.5	45.7
170	25.8	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

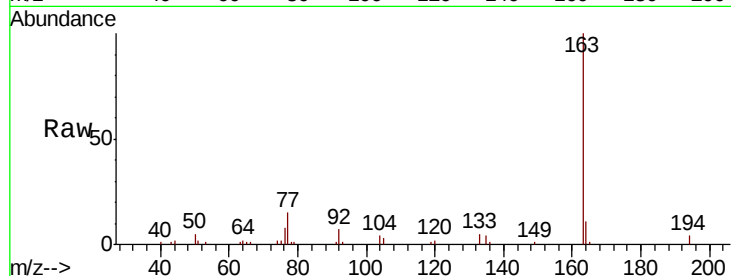




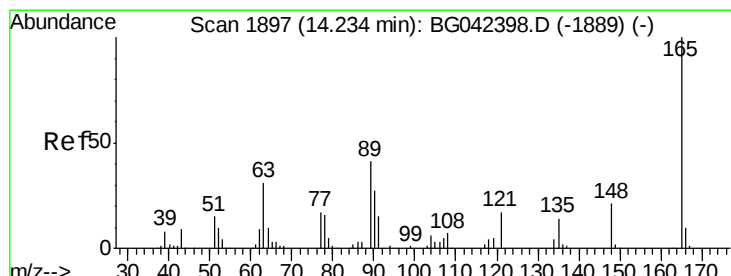
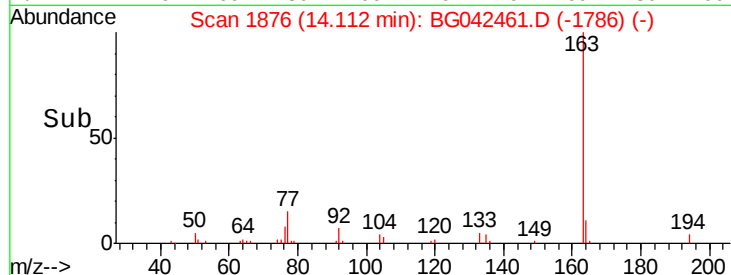
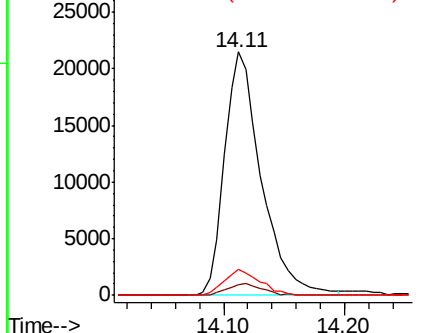
#50
Dimethylphthalate
Concen: 3.318 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042461.D
Acq: 24 Aug 2019 10:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 45429
Ion Ratio Lower Upper
163 100
194 4.3 4.2 6.2
164 10.5 8.8 13.2

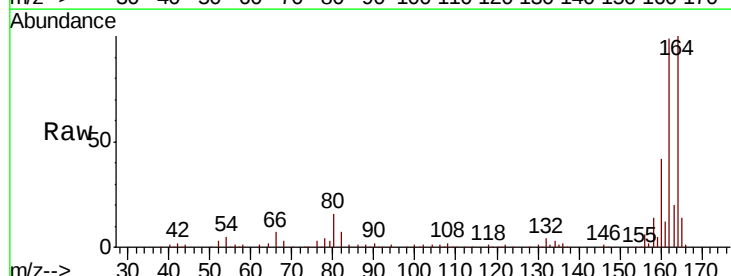


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

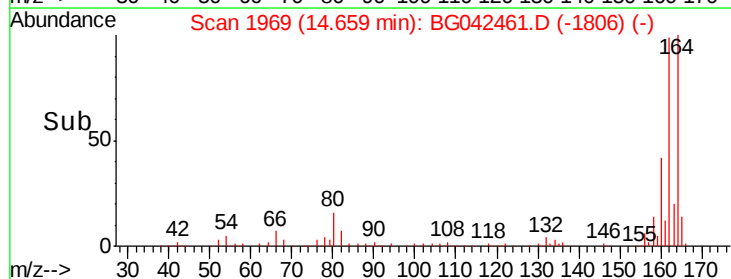
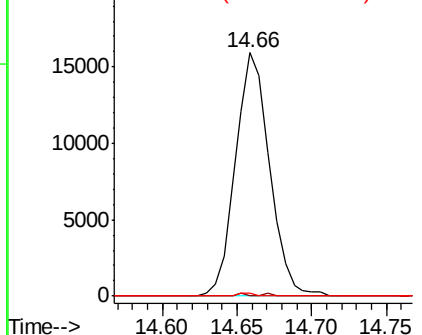


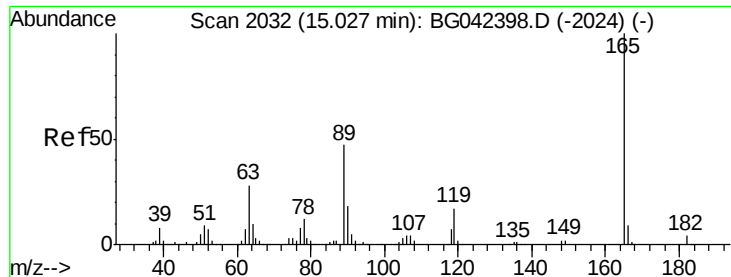
#51
2,6-Dinitrotoluene
Concen: 7.978 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042461.D
Acq: 24 Aug 2019 10:53

Tgt Ion:165 Resp: 25321
Ion Ratio Lower Upper
165 100
63 0.0 30.6 45.8#
89 1.1 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: 5.571 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 25321

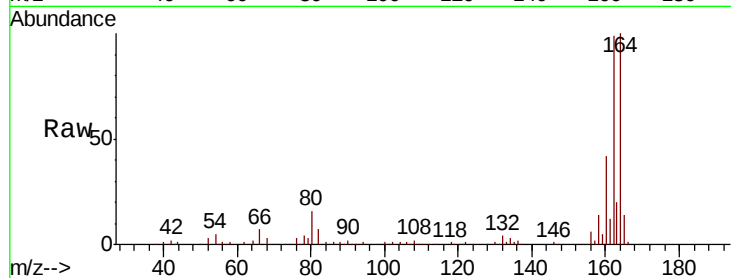
Ion Ratio Lower Upper

165 100

63 0.0 22.5 33.7#

89 1.1 37.8 56.6#

182 0.0 3.0 4.4#

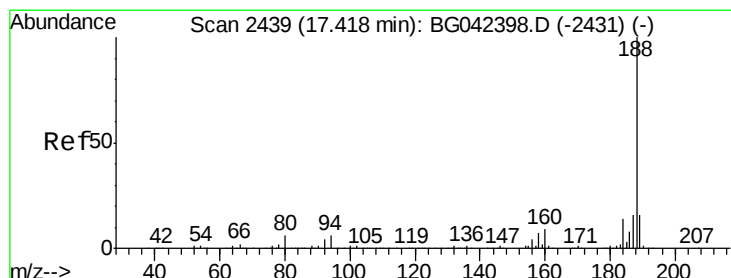
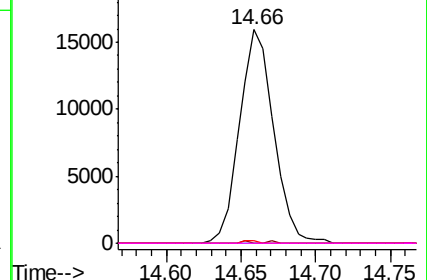
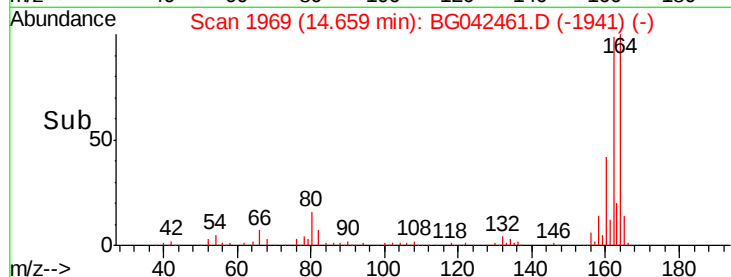


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

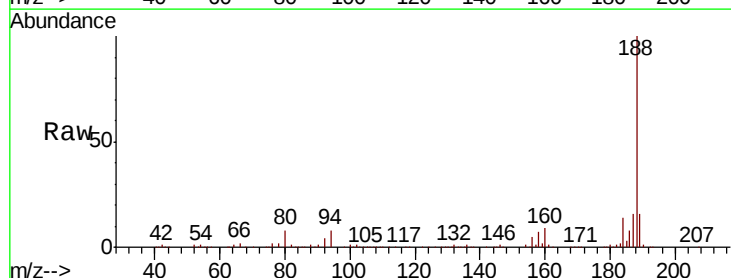
Tgt Ion:188 Resp: 408768

Ion Ratio Lower Upper

188 100

94 7.6 4.5 6.7#

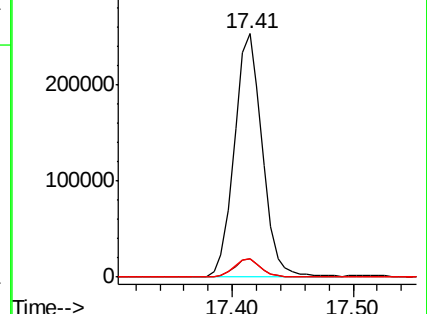
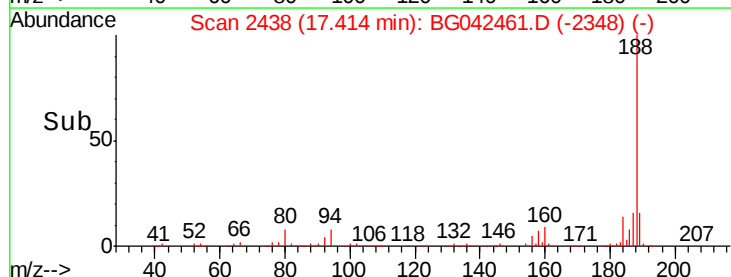
80 7.5 4.9 7.3#

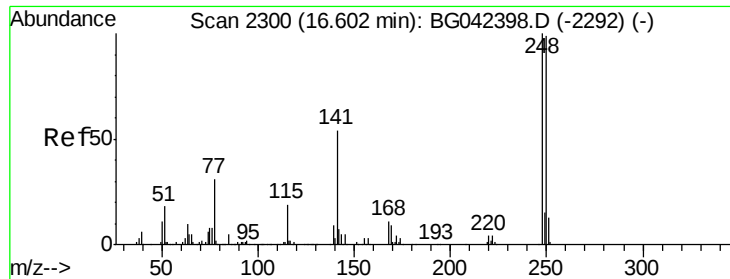


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

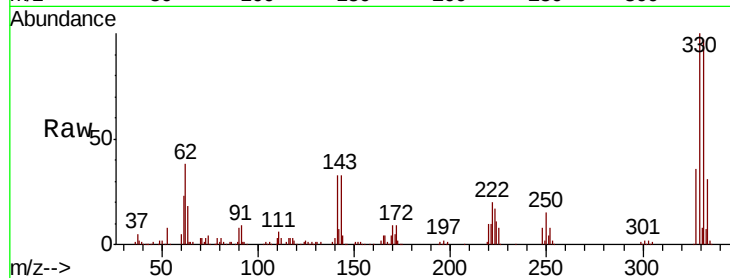




#67
 4-Bromophenyl-phenylether
 Concen: 4.755 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042461.D
 Acq: 24 Aug 2019 10:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	184.1	78.9	118.3#
141	408.7	43.3	64.9#

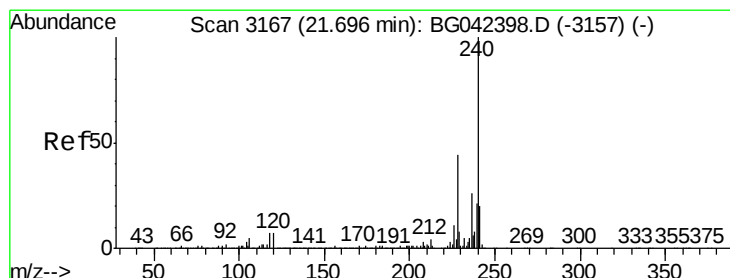
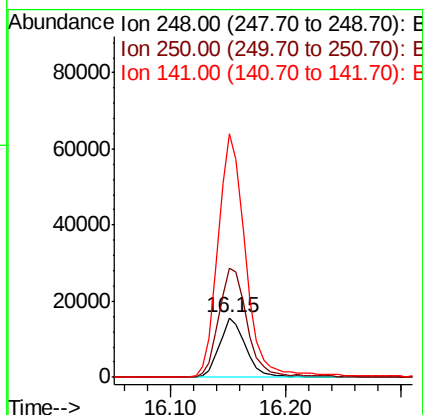
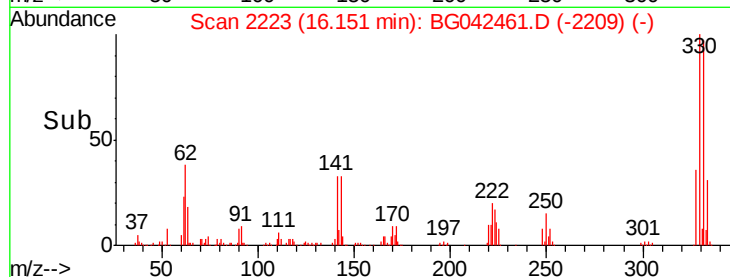


Abundance

Ion 248.00 (247.70 to 248.70): E

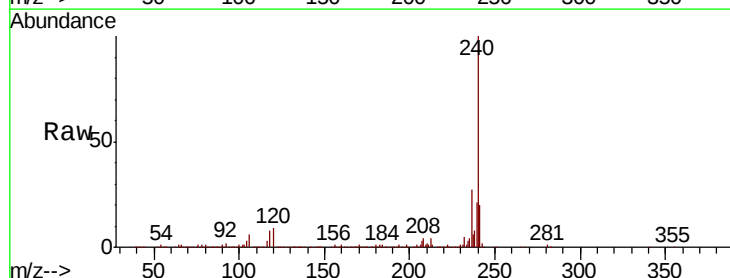
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042461.D
 Acq: 24 Aug 2019 10:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	5.7	8.5#
236	27.2	21.0	31.4

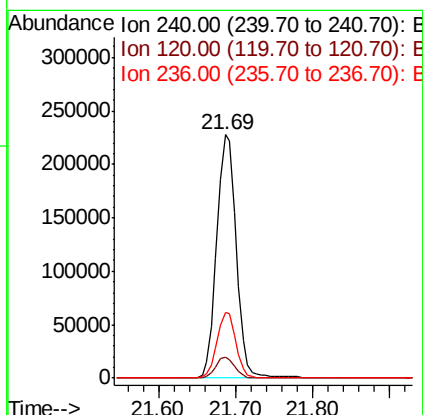
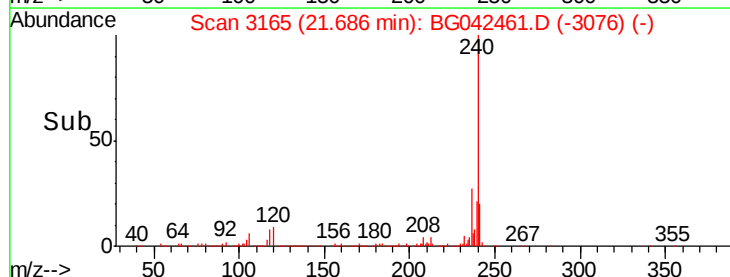


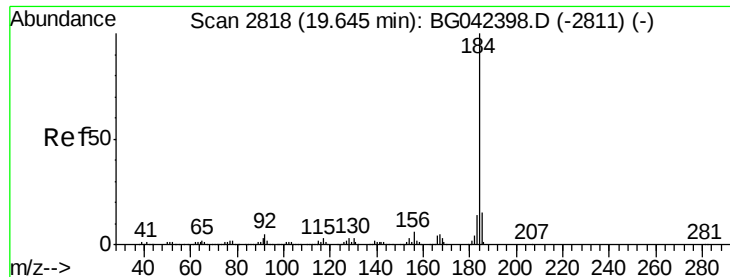
Abundance

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





#77

Benzidine

Concen: 2.302 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

Instrument :

BNA_G

ClientSampled :

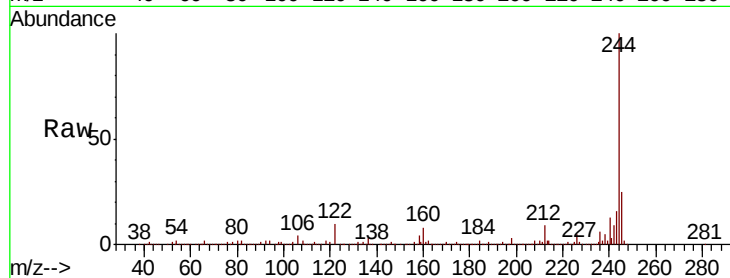
Tot Ion:184 Resp: 26319

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.4

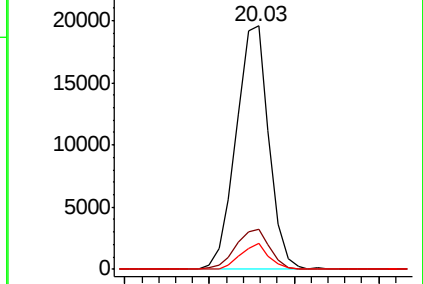
183 10.5 10.8 16.2#



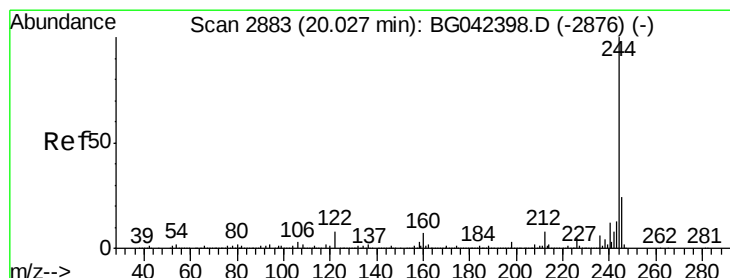
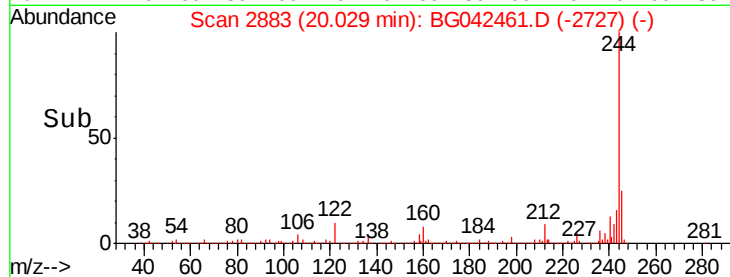
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.95 20.00 20.05 20.10



#79

Terphenyl-d14

Concen: 97.400 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042461.D

Acq: 24 Aug 2019 10:53

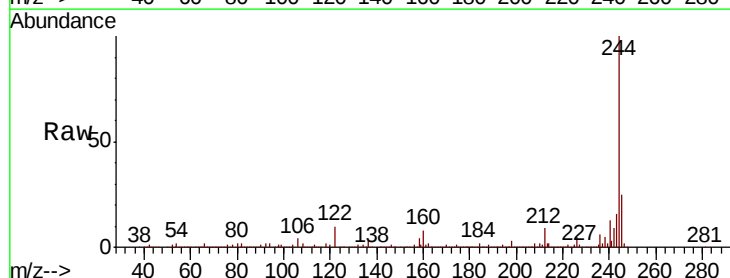
Tgt Ion:244 Resp: 1796618

Ion Ratio Lower Upper

244 100

212 8.6 6.0 9.0

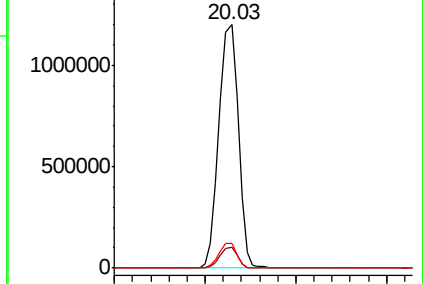
122 10.1 6.7 10.1#



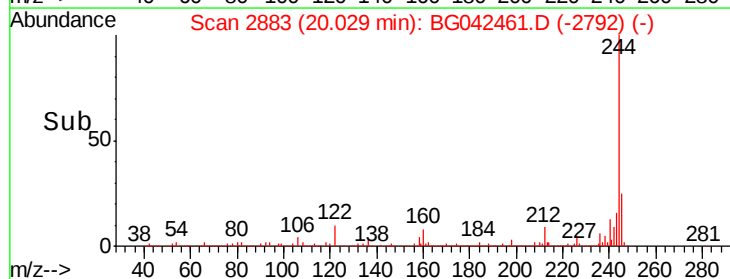
Abundance Ion 244.00 (243.70 to 244.70): E

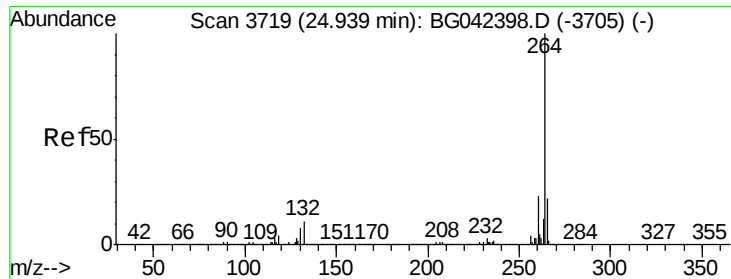
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10 20.20





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BG042461.D
 Acq: 24 Aug 2019 10:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.8	17.6	26.4

