

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082319\
 Data File : BG042468.D
 Acq On : 24 Aug 2019 15:21
 Operator : HP/JU
 Sample : K4089-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 05:01:51 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	71889	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	279789	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	186905	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	388126	20.00	ng	0.00
76) Chrysene-d12	21.68	240	384462	20.00	ng	-0.01
87) Perylene-d12	24.93	264	426433	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	473662	133.44	ng	0.00
7) Phenol-d6	7.17	99	589696	122.99	ng	0.00
23) Nitrobenzene-d5	9.17	82	425639	105.13	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	340870	128.31	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1179162	106.70	ng	0.00
79) Terphenyl-d14	20.03	244	1739156	97.80	ng	0.00

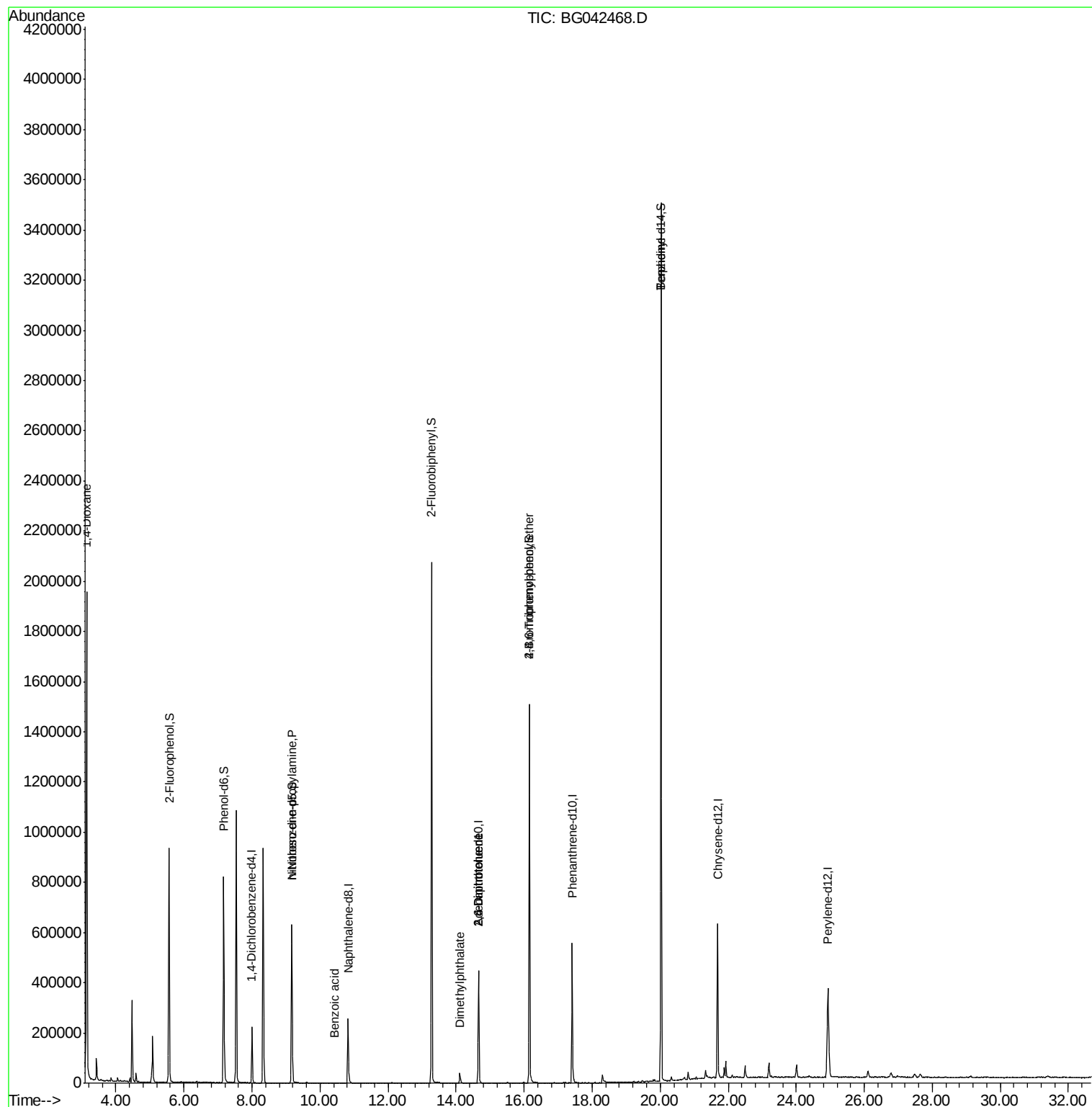
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	22580	15.243	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	54697	17.609	ng	# 77
32) Benzoic acid	10.42	122	54	8.187	ng	# 1
50) Dimethylphthalate	14.11	163	45760	3.393	ng	98
51) 2,6-Dinitrotoluene	14.66	165	24300	7.774	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	24300	5.429	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	24539	4.984	ng	# 1
77) Benzidine	20.03	184	25059	2.273	ng	# 94

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

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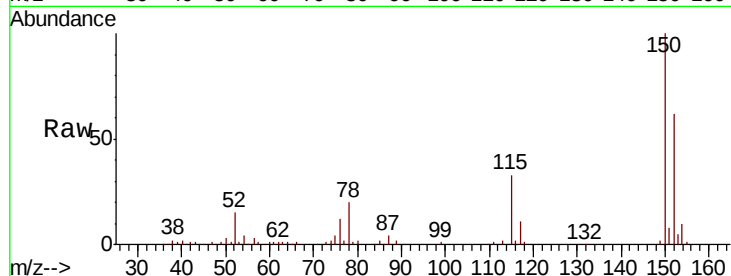


#1

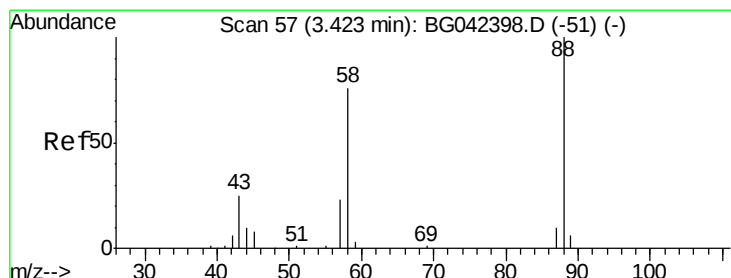
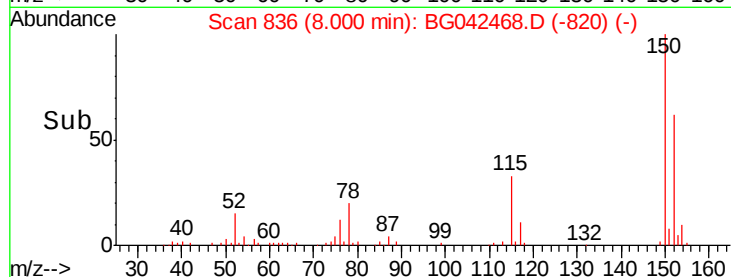
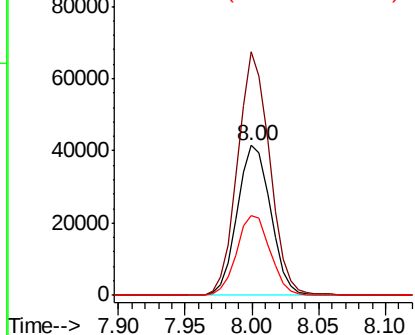
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 71889
Ion Ratio Lower Upper
152 100
150 162.3 125.4 188.0
115 53.3 38.5 57.7



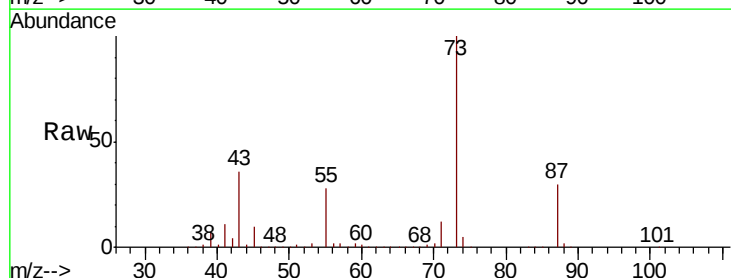
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



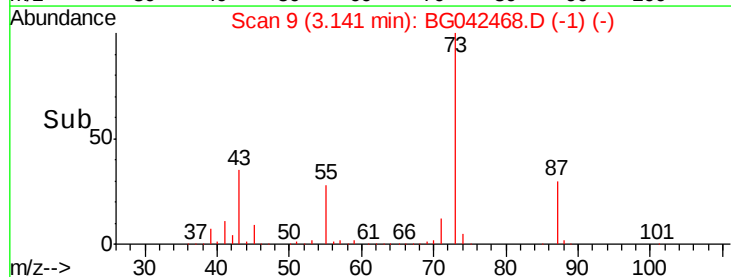
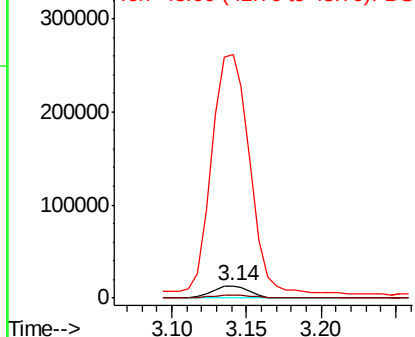
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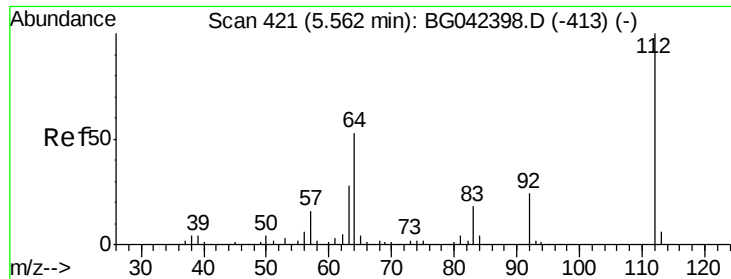
1,4-Dioxane
Concen: 15.243 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Tgt Ion: 88 Resp: 22580
Ion Ratio Lower Upper
88 100
58 25.9 58.3 87.5#
43 2066.1 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: 133.442 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Instrument :

BNA_G

ClientSampled :

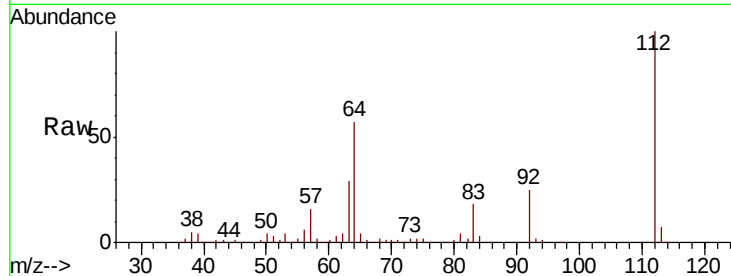
Tot Ion:112 Resp: 473662

Ion Ratio Lower Upper

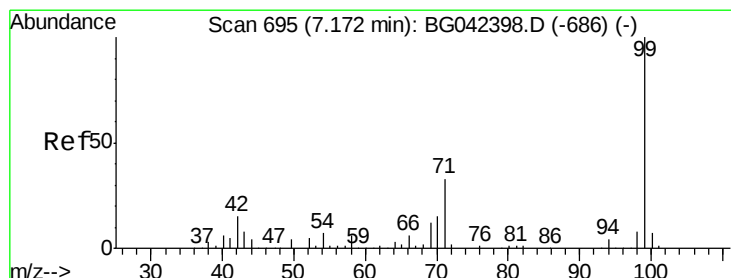
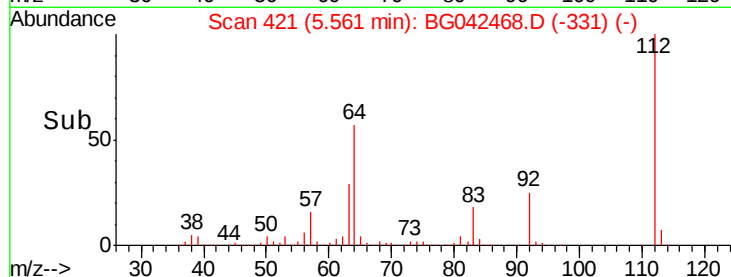
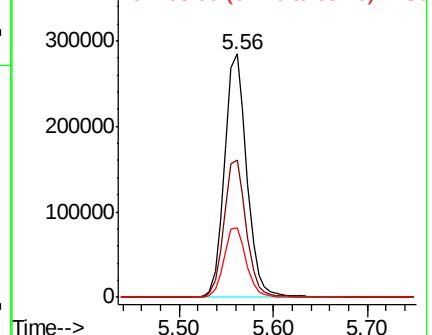
112 100

64 56.6 42.8 64.2

63 28.6 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: 122.990 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

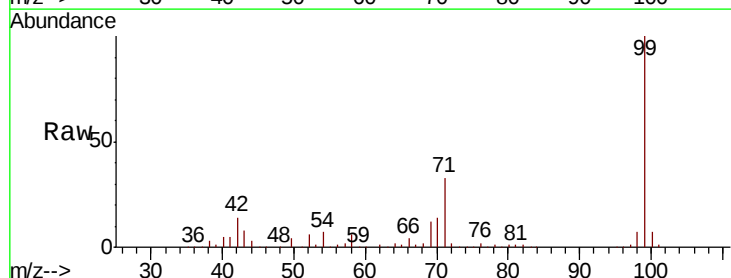
Tgt Ion: 99 Resp: 589696

Ion Ratio Lower Upper

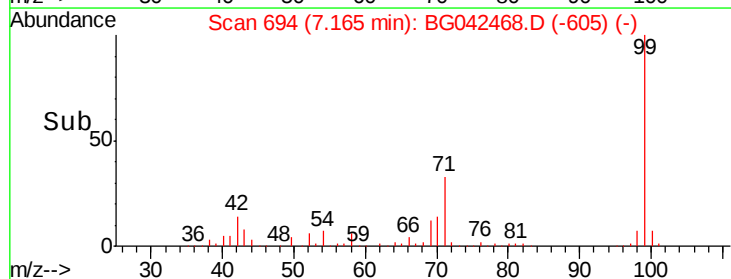
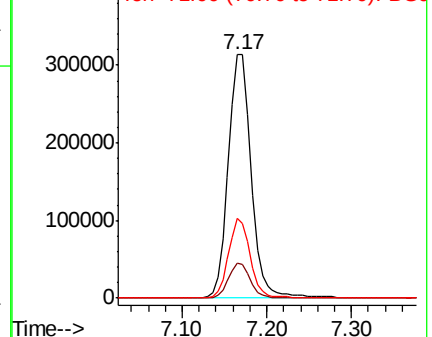
99 100

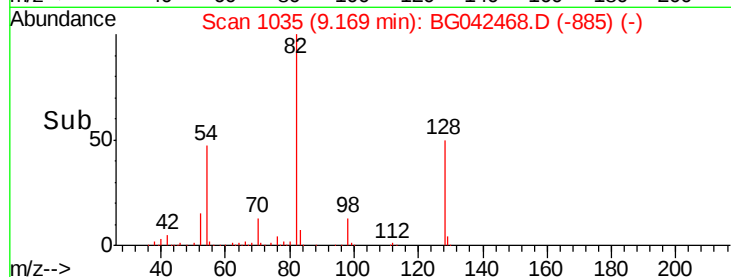
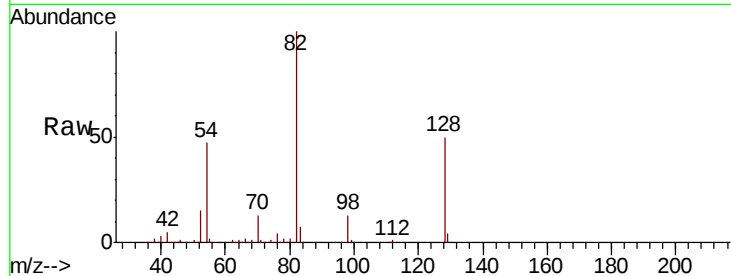
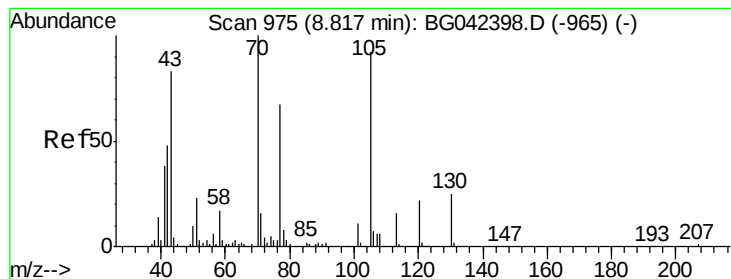
42 14.3 12.0 18.0

71 32.7 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: 17.609 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 54697

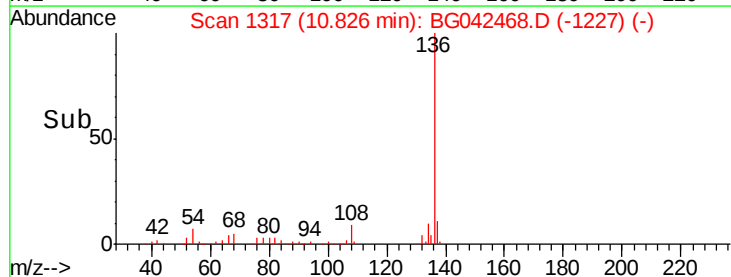
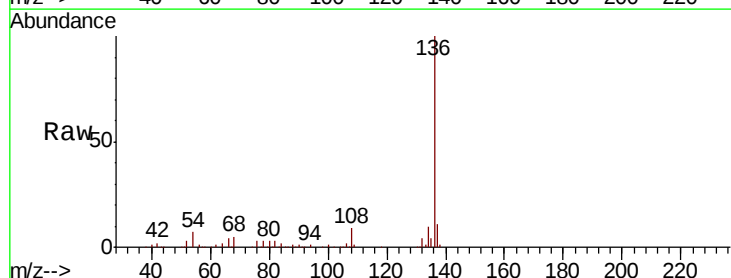
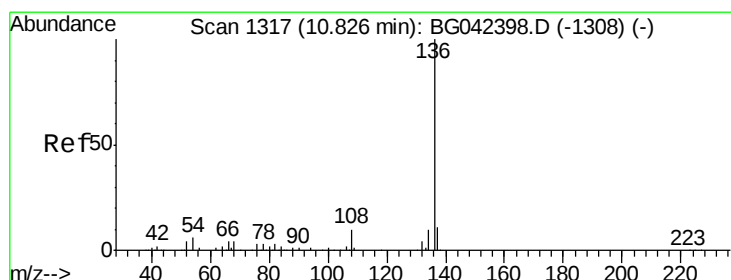
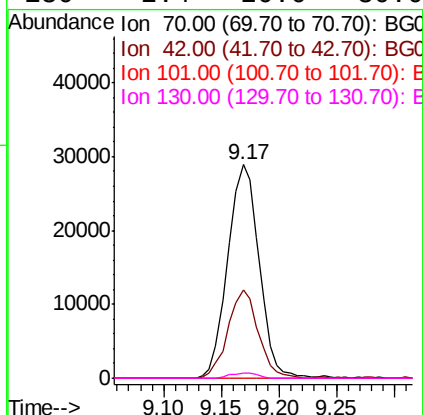
Ion Ratio Lower Upper

70 100

42 41.3 38.8 58.2

101 0.0 9.0 13.6#

130 2.4 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Tgt Ion: 136 Resp: 279789

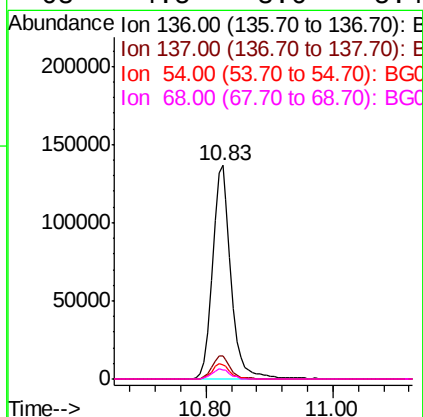
Ion Ratio Lower Upper

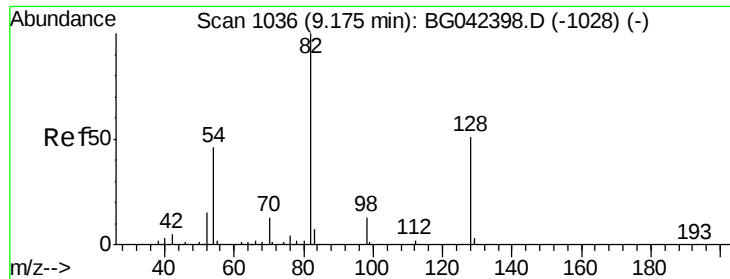
136 100

137 11.1 8.7 13.1

54 6.9 4.9 7.3

68 4.5 3.6 5.4

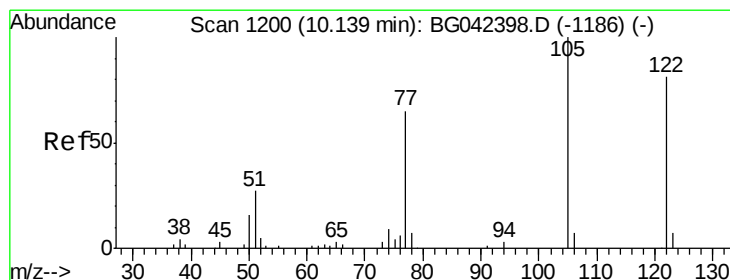
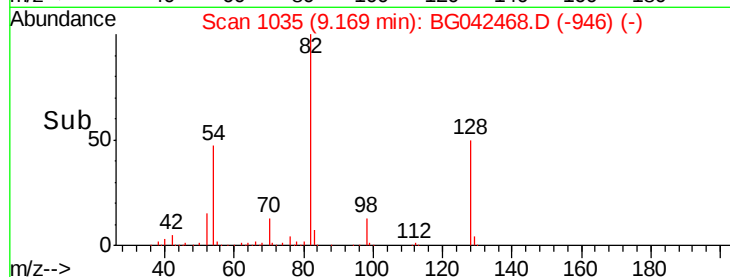
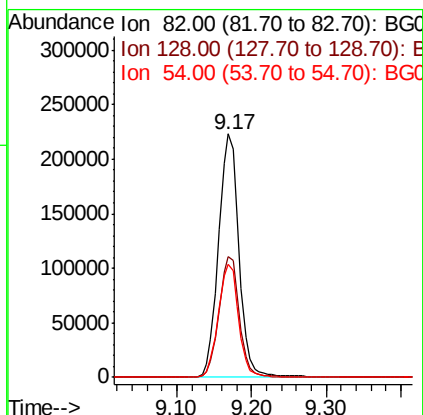
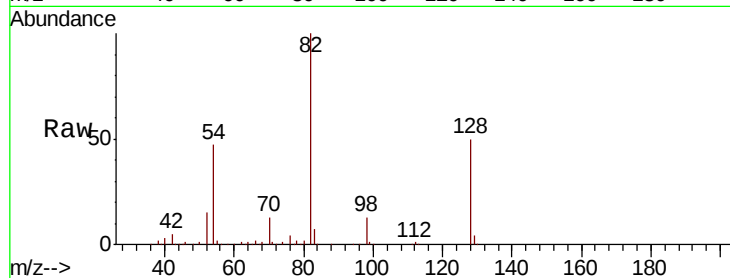




#23
 Nitrobenzene-d5
 Concen: 105.127 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042468.D
 Acq: 24 Aug 2019 15:21

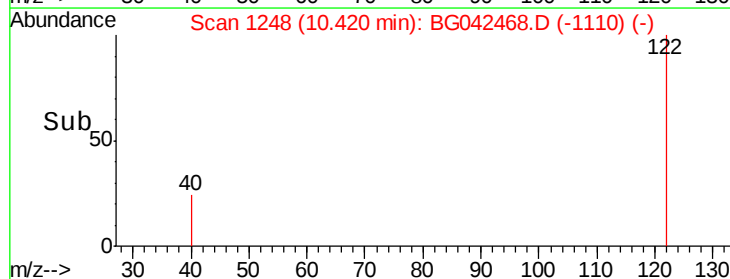
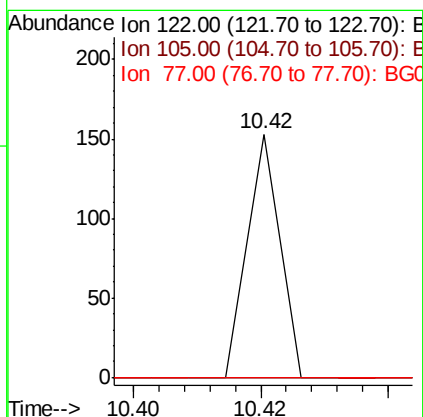
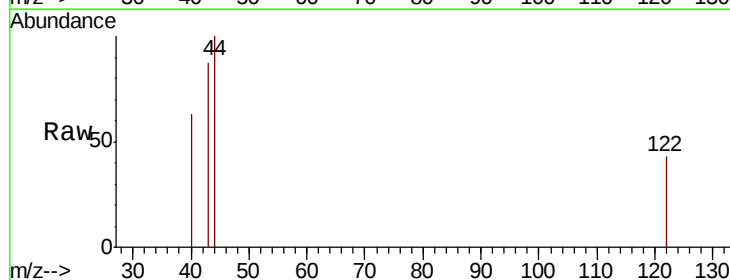
Instrument :
 BNA_G
 ClientSampled :

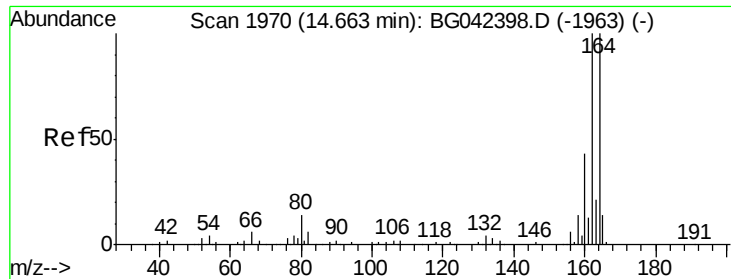
Tot Ion	82	Resp	425639
Ion Ratio	Lower	Upper	
82	100		
128	49.5	40.7	61.1
54	46.6	36.3	54.5



#32
 Benzoic acid
 Concen: 8.187 ng
 RT: 10.42 min Scan# 1248
 Delta R.T. 0.28 min
 Lab File: BG042468.D
 Acq: 24 Aug 2019 15:21

Tgt Ion	122	Resp	54
Ion Ratio	Lower	Upper	
122	100		
105	0.0	99.6	139.6#
77	0.0	59.5	99.5#

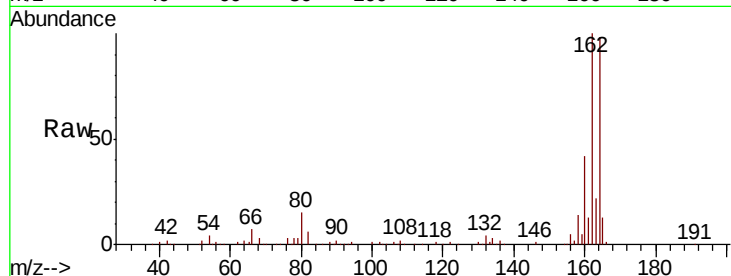




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	79.9	119.9
160	42.7	34.3	51.5

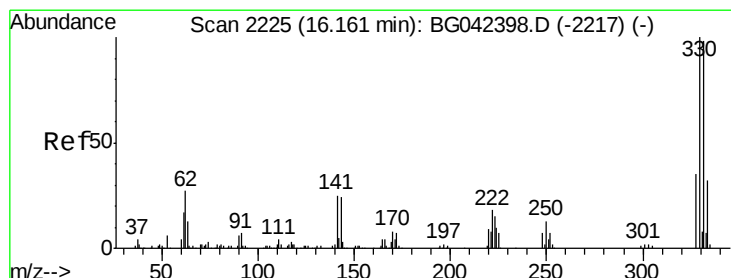
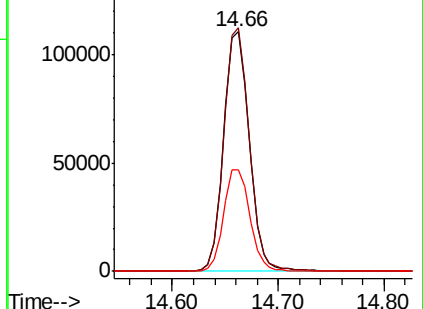
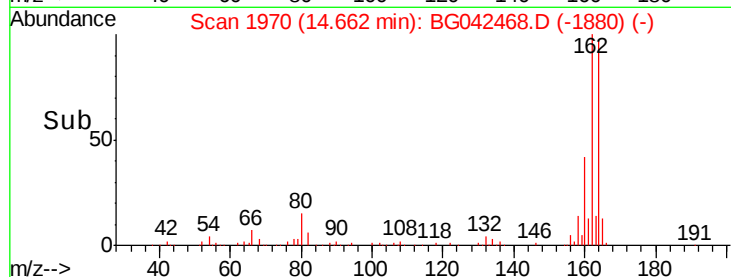


Abundance

Ion 164.00 (163.70 to 164.70): E

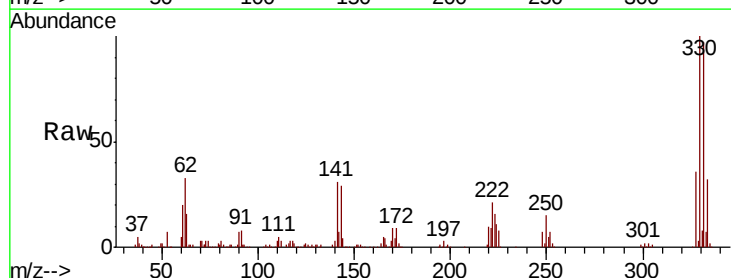
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 128.313 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	31.0	21.4	32.0

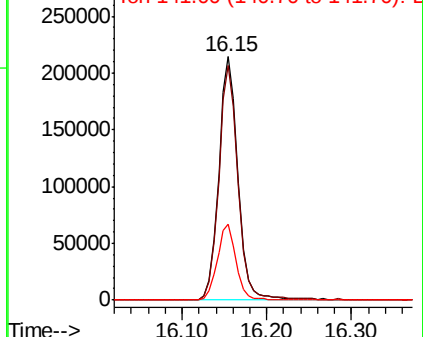
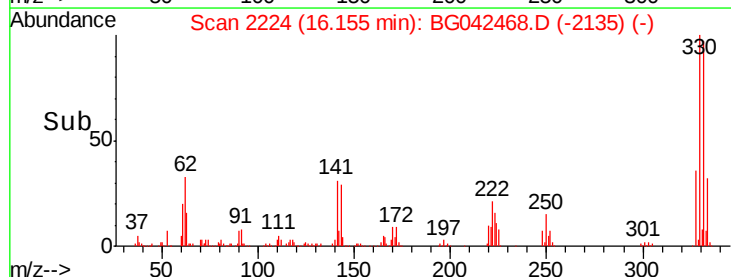


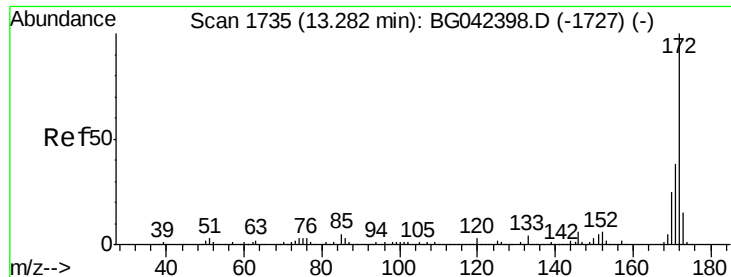
Abundance

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

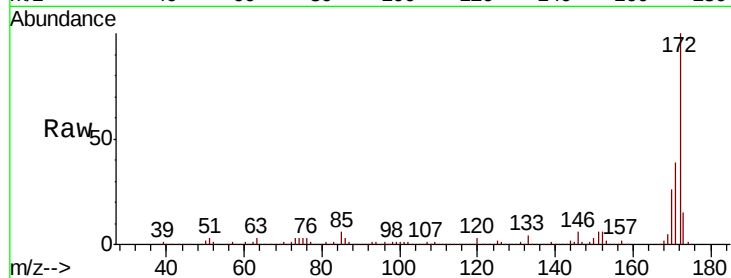




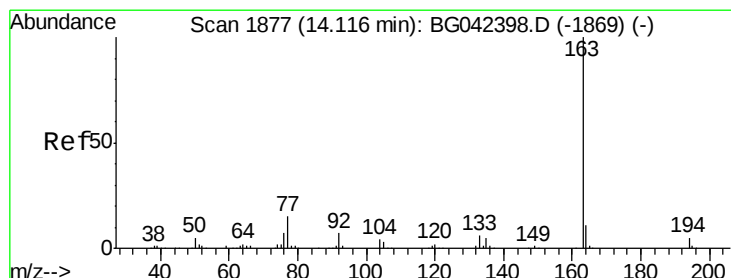
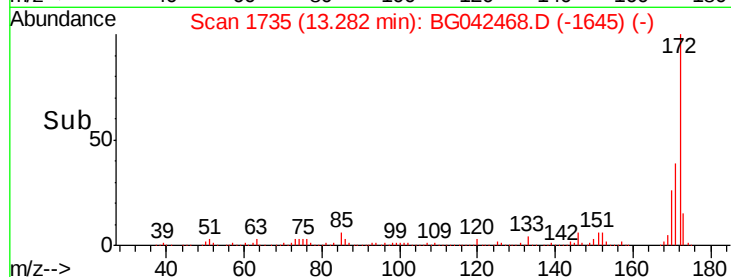
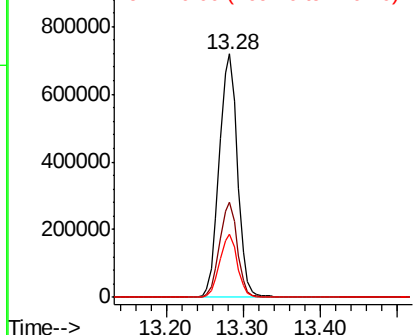
#45
2-Fluorobiphenyl
Concen: 106.701 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1179162
Ion Ratio Lower Upper
172 100
171 39.2 30.5 45.7
170 25.9 20.2 30.2

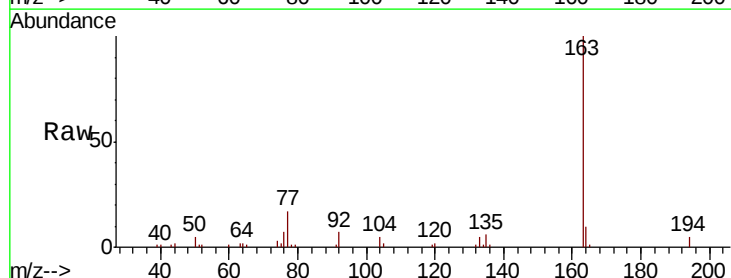


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

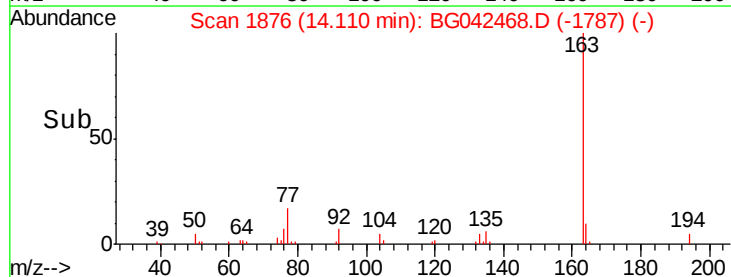
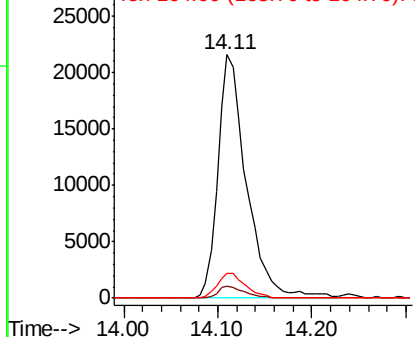


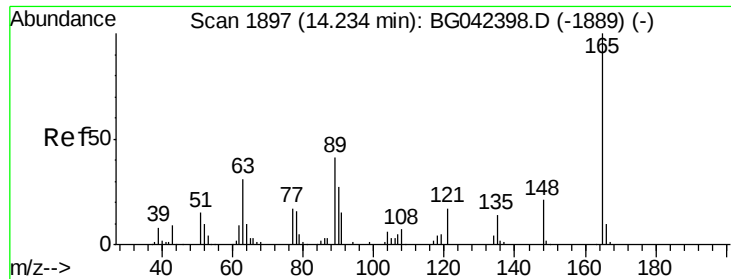
#50
Dimethylphthalate
Concen: 3.393 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042468.D
Acq: 24 Aug 2019 15:21

Tgt Ion:163 Resp: 45760
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 9.9 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

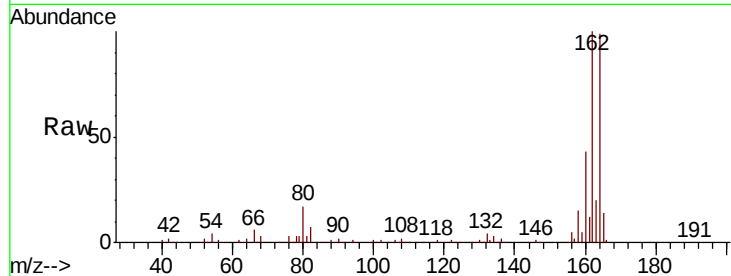




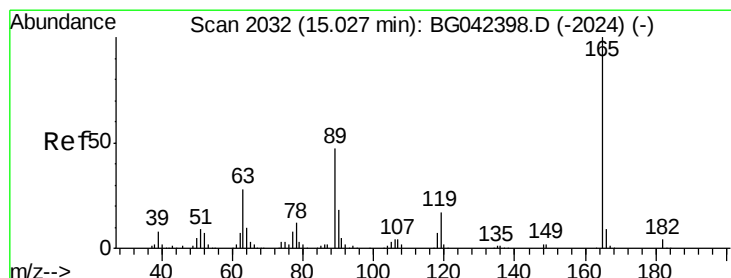
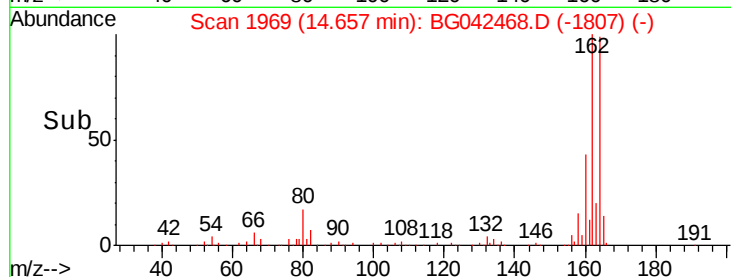
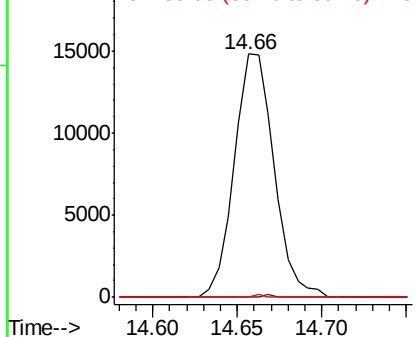
#51
 2,6-Dinitrotoluene
 Concen: 7.774 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042468.D
 Acq: 24 Aug 2019 15:21

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#



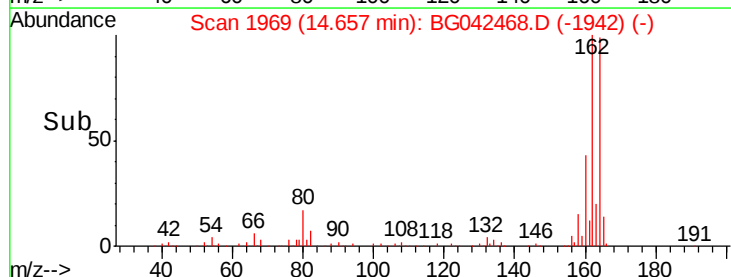
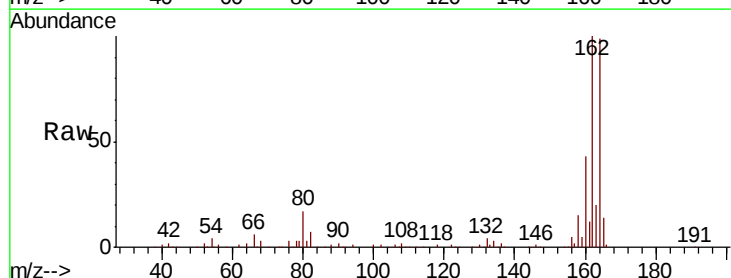
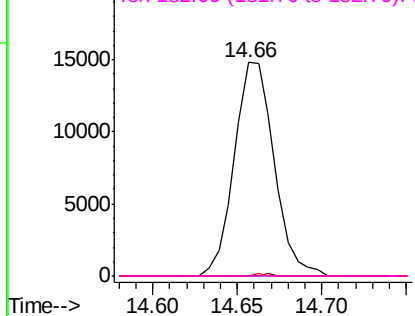
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

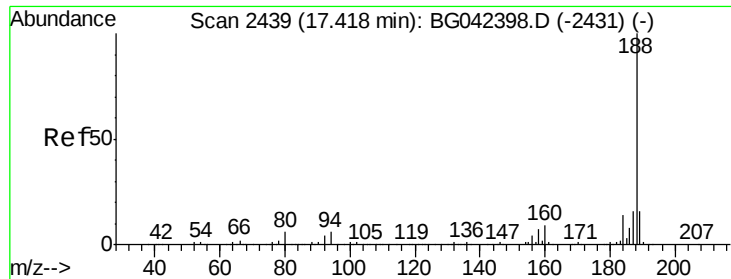


#57
 2,4-Dinitrotoluene
 Concen: 5.429 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042468.D
 Acq: 24 Aug 2019 15:21

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# 2438

Delta R.T. -0.01 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Instrument :

BNA_G

ClientSampleId :

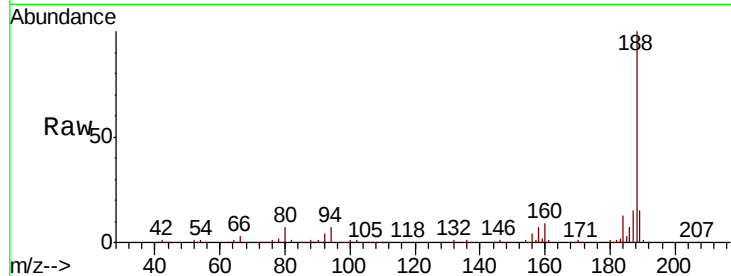
Tot Ion:188 Resp: 388126

Ion Ratio Lower Upper

188 100

94 6.7 4.5 6.7

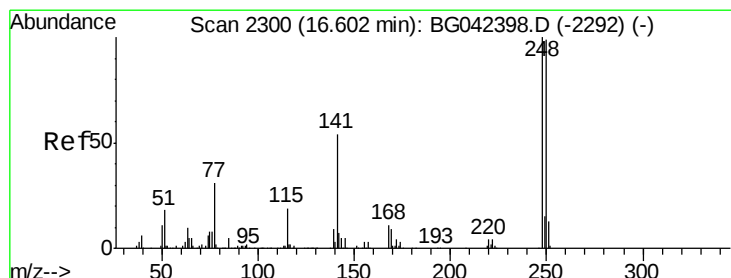
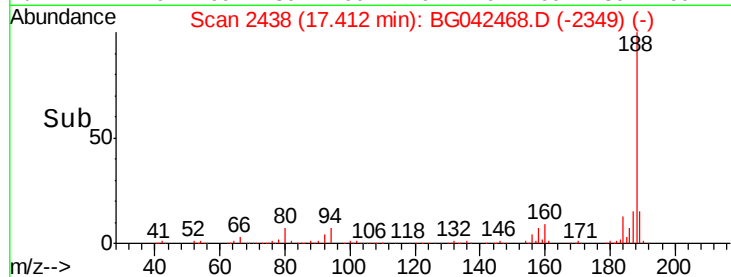
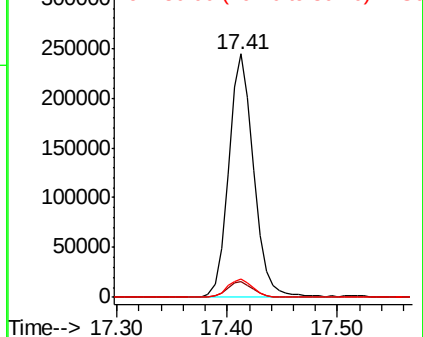
80 7.4 4.9 7.3#



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



#67

4-Bromophenyl-phenylether

Concen: 4.984 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

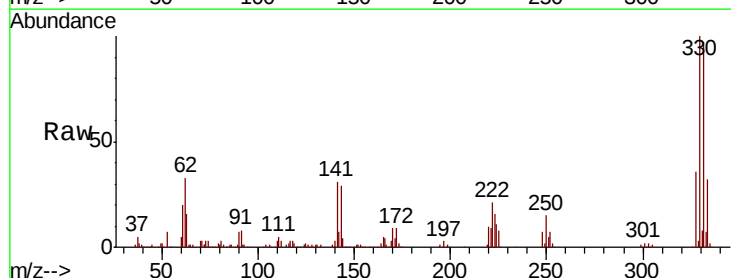
Tgt Ion:248 Resp: 24539

Ion Ratio Lower Upper

248 100

250 197.4 78.9 118.3#

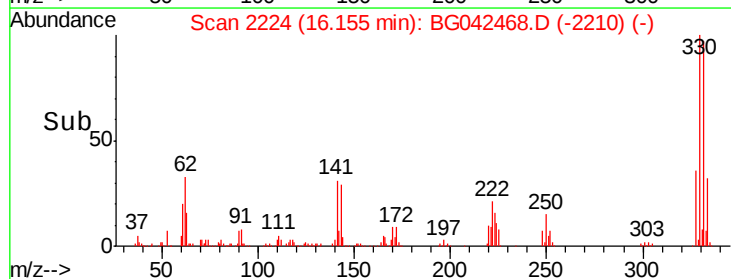
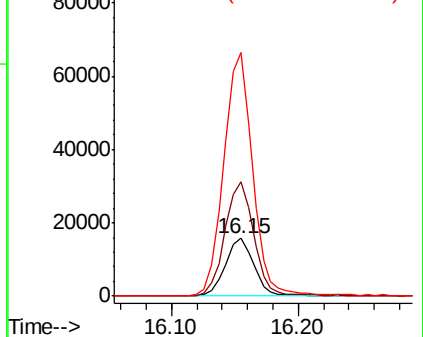
141 420.3 43.3 64.9#

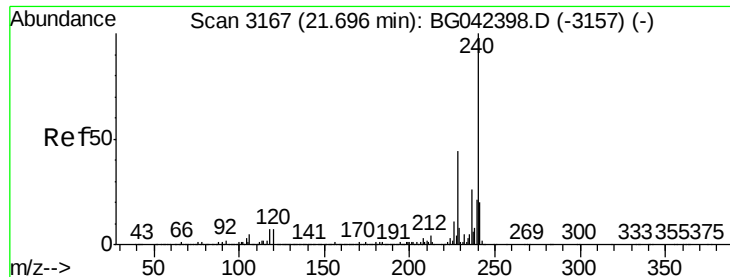


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Instrument :

BNA_G

ClientSampleId :

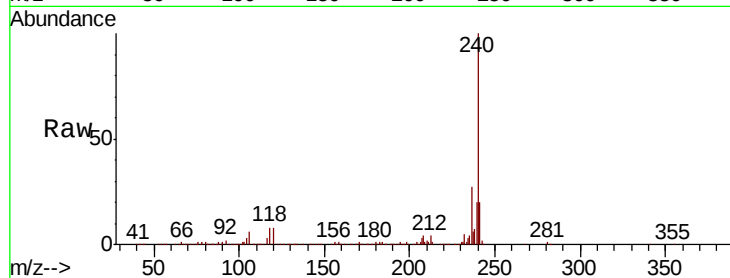
Tot Ion:240 Resp: 384462

Ion Ratio Lower Upper

240 100

120 8.4 5.7 8.5

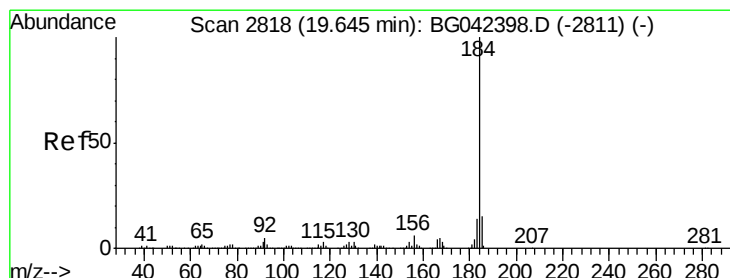
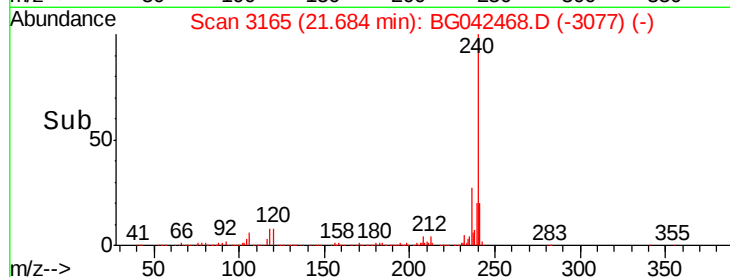
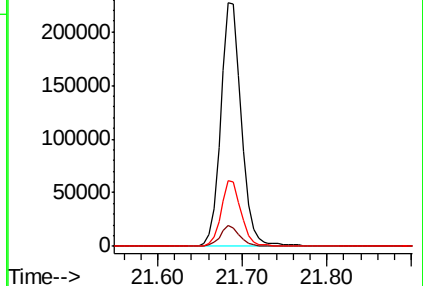
236 26.8 21.0 31.4



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: 2.273 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

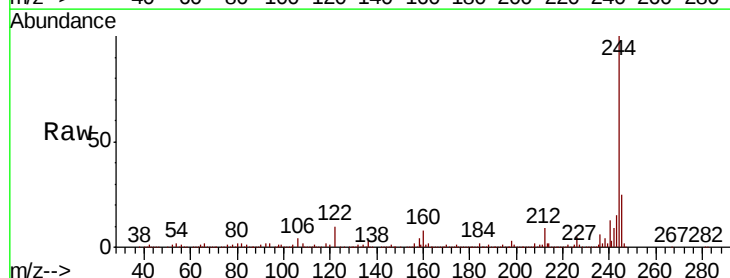
Tgt Ion:184 Resp: 25059

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.4

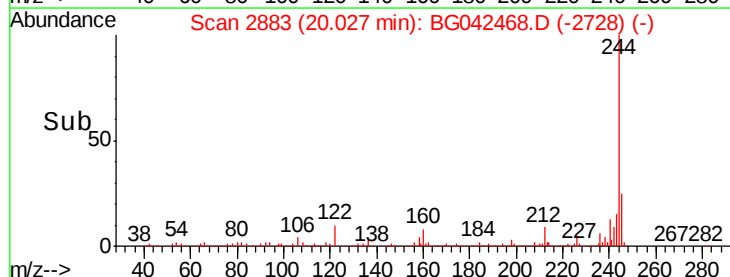
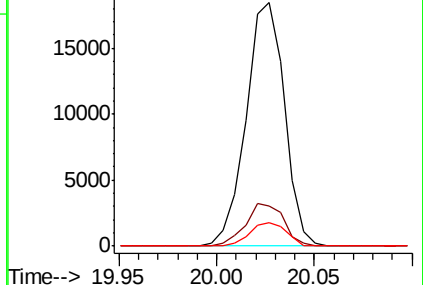
183 9.7 10.8 16.2#

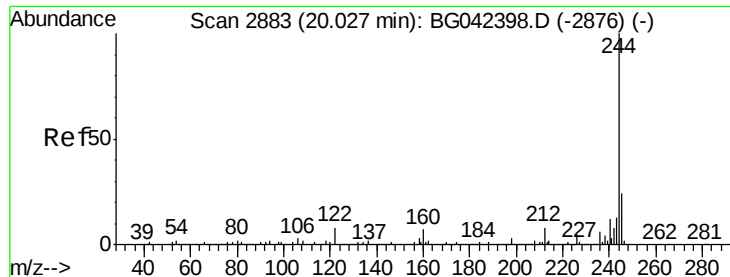


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 97.797 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042468.D

Acq: 24 Aug 2019 15:21

Instrument :

BNA_G

ClientSampleId :

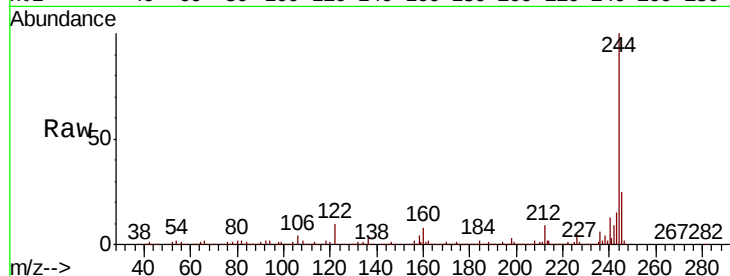
Tot Ion:244 Resp: 1739156

Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

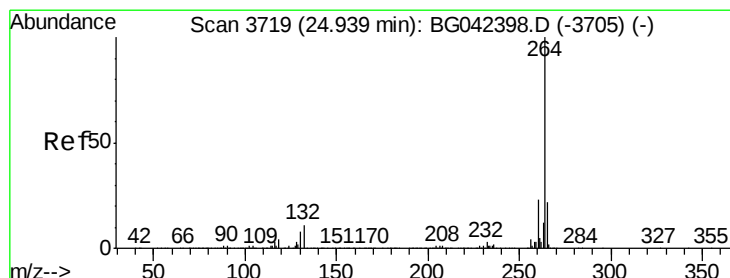
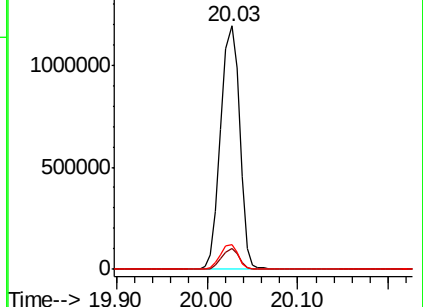
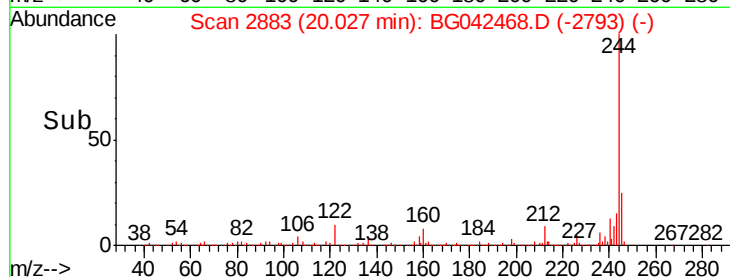
122 10.2 6.7 10.1#



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: BG042468.D

Acq: 24 Aug 2019 15:21

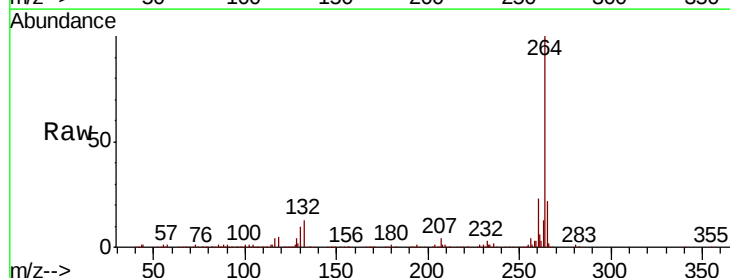
Tgt Ion:264 Resp: 426433

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.8 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

