

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042732.D
 Acq On : 5 Sep 2019 22:35
 Operator : HP/JU
 Sample : K4695-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 06:47:22 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	7.99	152	29230	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	103458	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	75175	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	187055	20.00	ng	0.00
76) Chrysene-d12	21.69	240	226286	20.00	ng	0.00
87) Perylene-d12	24.93	264	261819	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	181842	125.99	ng	0.00
7) Phenol-d6	7.16	99	213271	109.40	ng	-0.01
23) Nitrobenzene-d5	9.16	82	147363	98.43	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	171661	160.66	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	493556	111.04	ng	0.00
79) Terphenyl-d14	20.02	244	1122522	107.24	ng	0.00

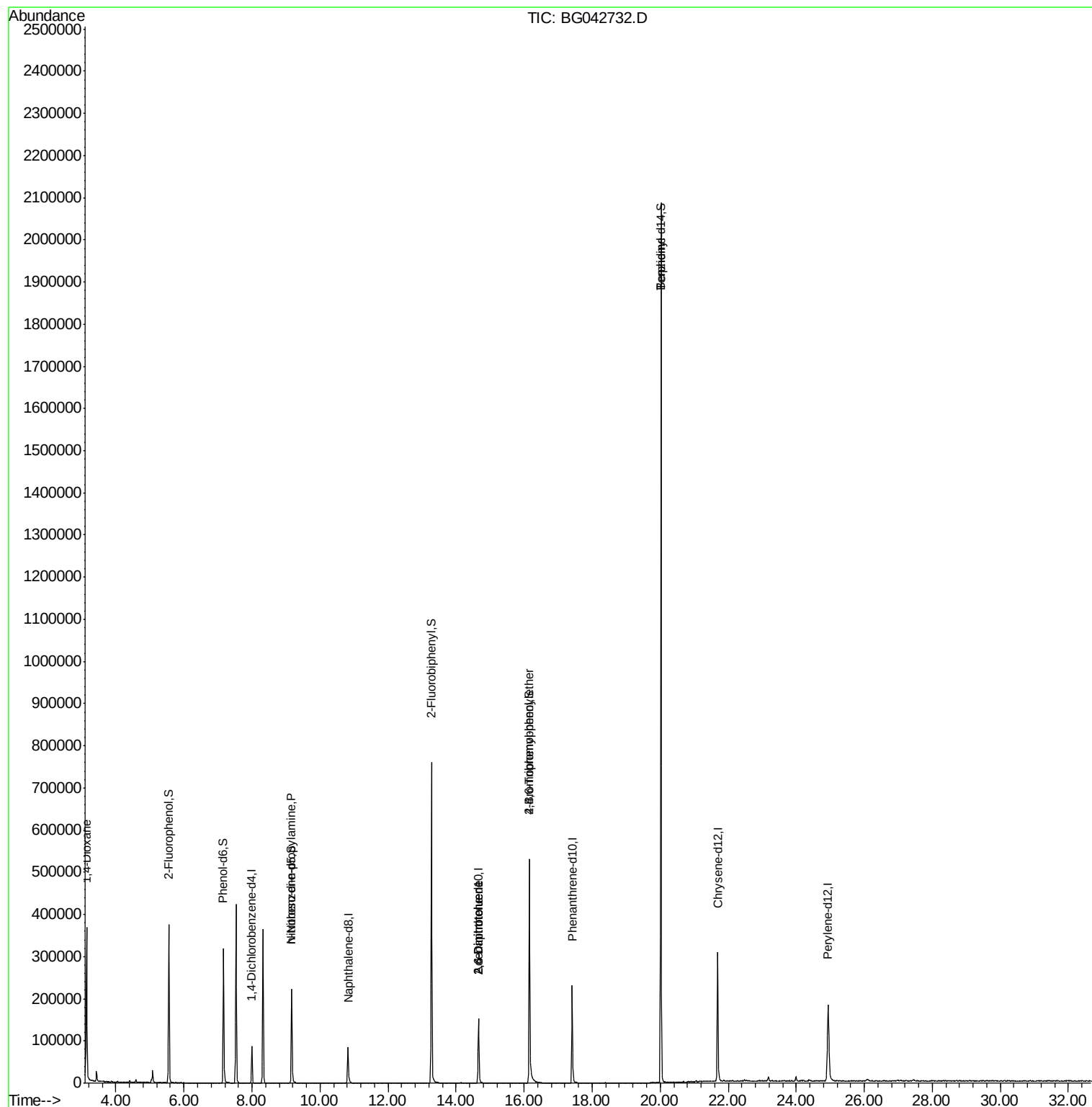
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	3952	6.562	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	19572	15.496	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	9666	7.688	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	9666	5.369	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	11788	4.968	ng	# 1
77) Benzidine	20.02	184	13802	2.127	ng	# 94

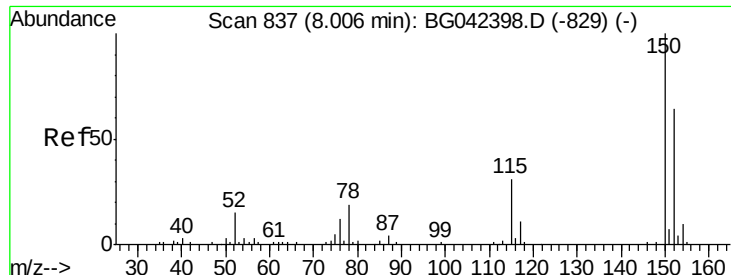
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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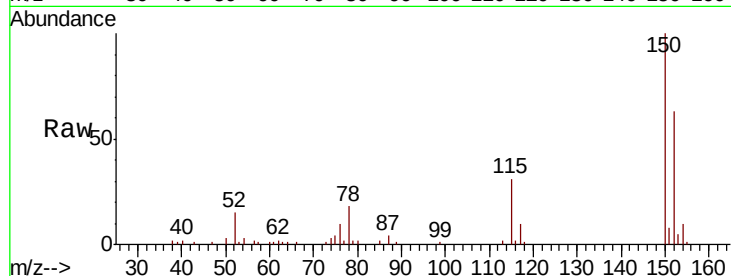


#1

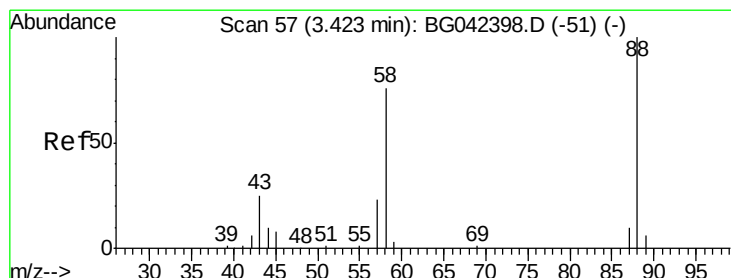
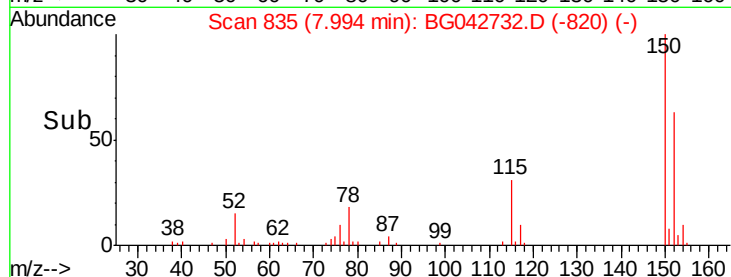
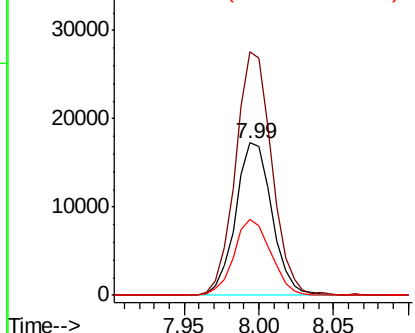
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29230
Ion Ratio Lower Upper
152 100
150 159.7 125.4 188.0
115 49.9 38.5 57.7



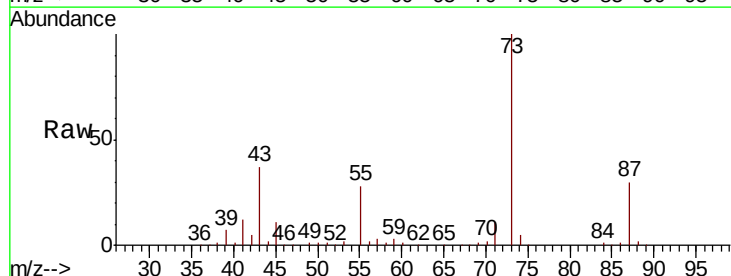
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



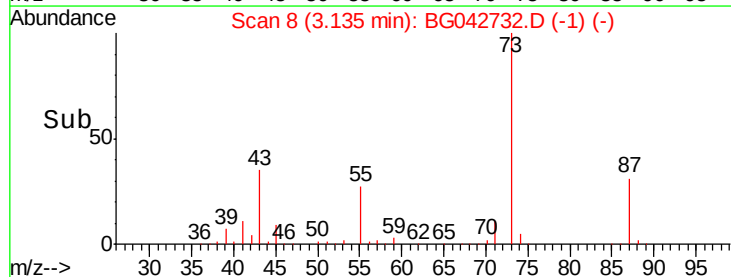
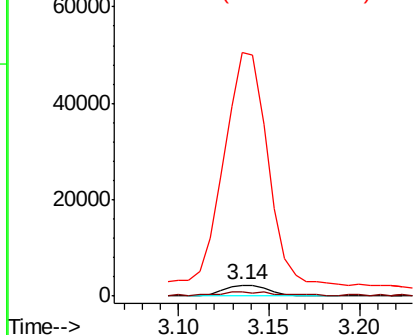
#2

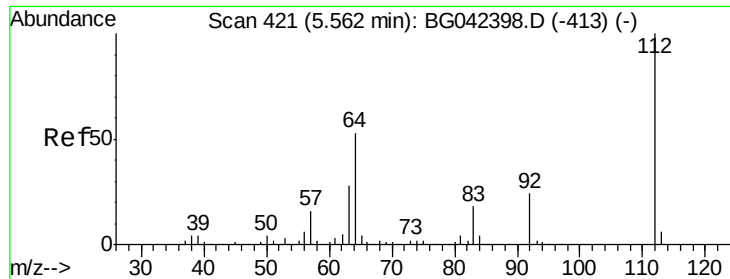
1,4-Dioxane
Concen: 6.562 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

Tgt Ion: 88 Resp: 3952
Ion Ratio Lower Upper
88 100
58 54.1 58.3 87.5#
43 2144.7 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: 125.995 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

Instrument :

BNA_G

ClientSampled :

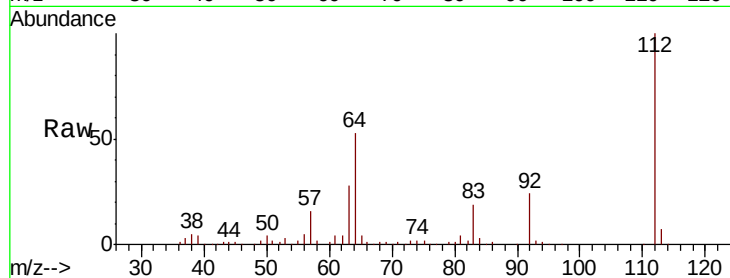
Tot Ion: 112 Resp: 181842

Ion Ratio Lower Upper

112 100

64 52.8 42.8 64.2

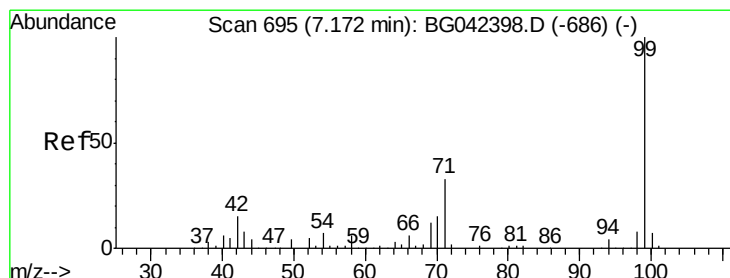
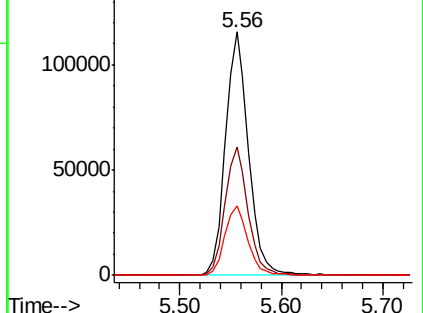
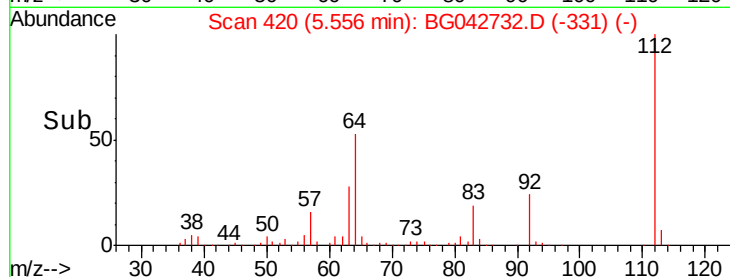
63 28.4 22.7 34.1



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: 109.398 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

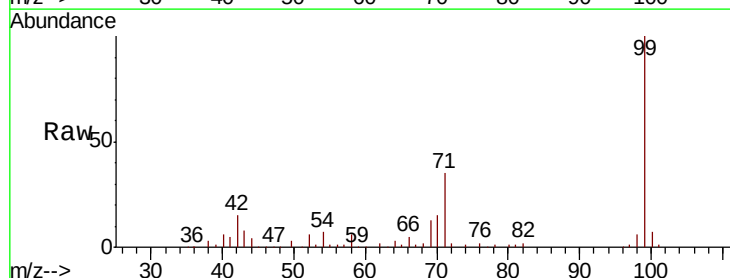
Tgt Ion: 99 Resp: 213271

Ion Ratio Lower Upper

99 100

42 15.3 12.0 18.0

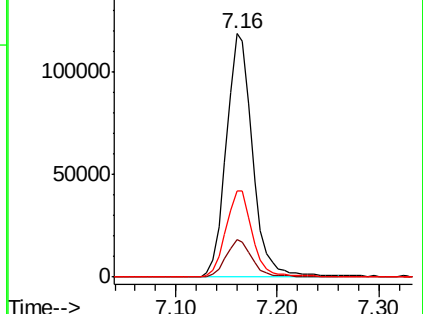
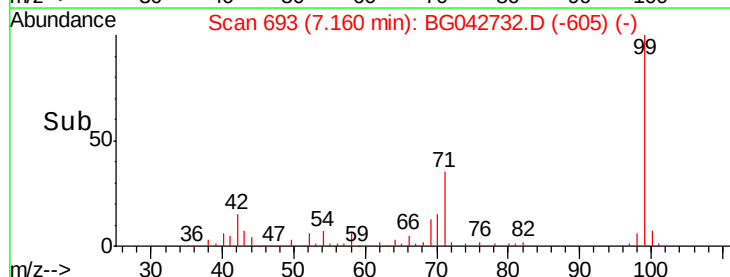
71 35.4 26.3 39.5

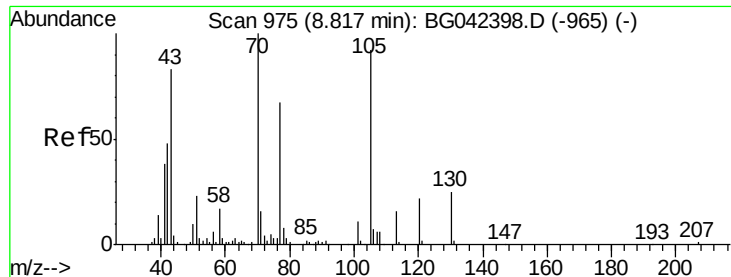


Abundance Ion 99.00 (98.70 to 99.70): BG

Ion 42.00 (41.70 to 42.70): BG

Ion 71.00 (70.70 to 71.70): BG





#19

n-Nitroso-di-n-propylamine

Concen: 15.496 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 19572

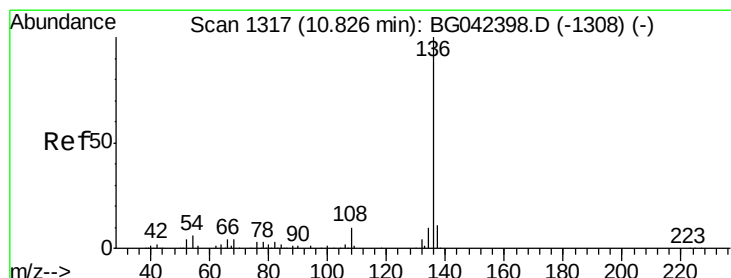
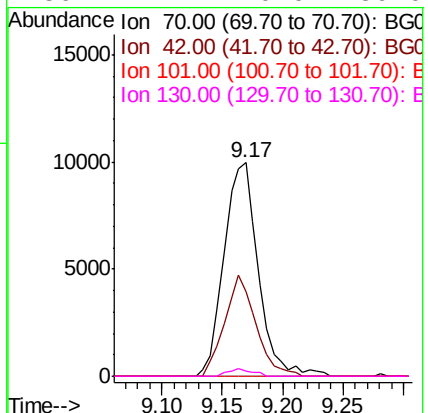
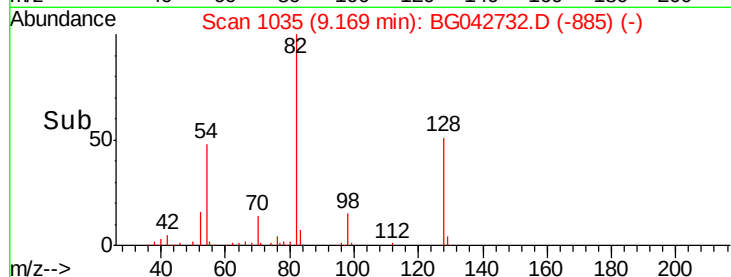
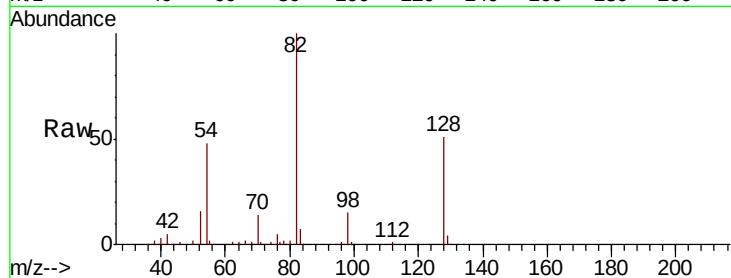
Ion Ratio Lower Upper

70 100

42 39.6 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: BG042732.D

Acq: 5 Sep 2019 22:35

Tgt Ion: 136 Resp: 103458

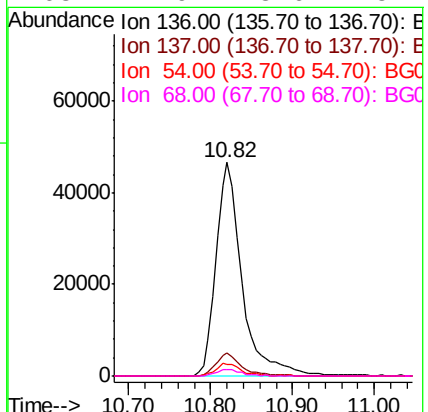
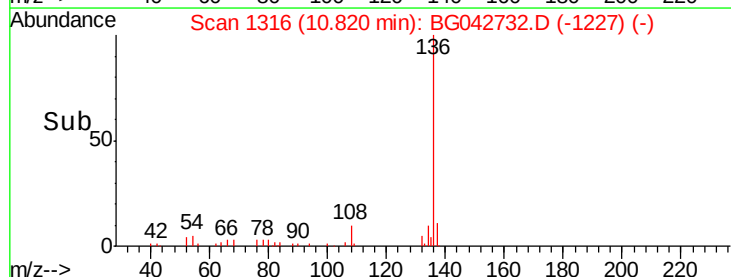
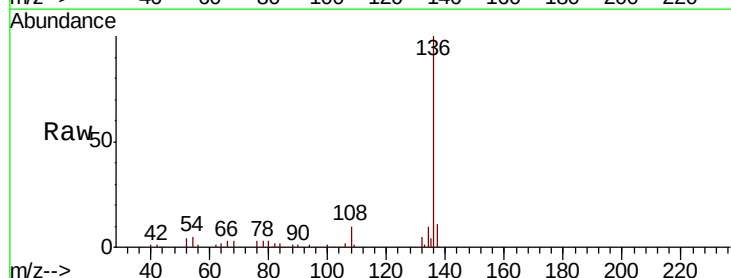
Ion Ratio Lower Upper

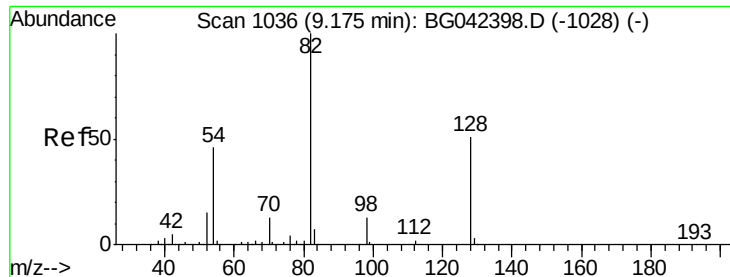
136 100

137 10.7 8.7 13.1

54 5.3 4.9 7.3

68 2.9 3.6 5.4#

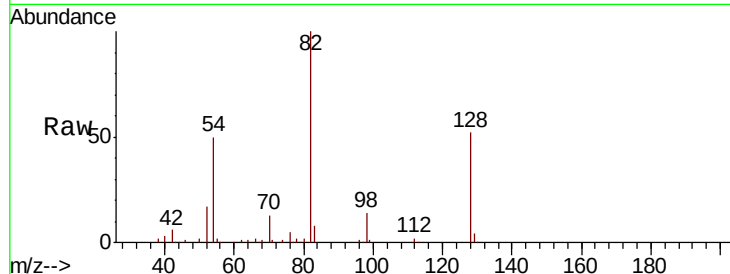




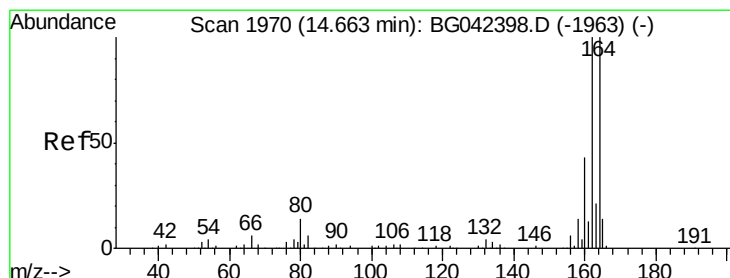
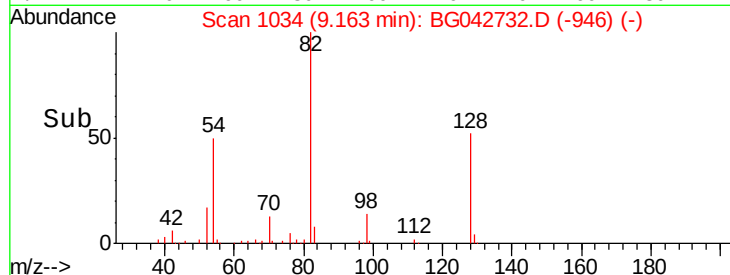
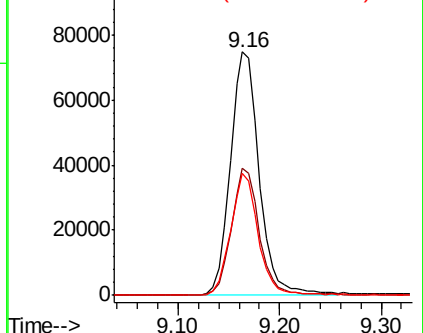
#23
Nitrobenzene-d5
Concen: 98.430 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 147363
Ion Ratio Lower Upper
82 100
128 52.5 40.7 61.1
54 50.1 36.3 54.5

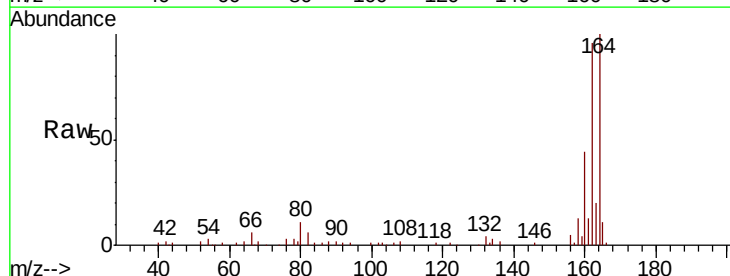


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

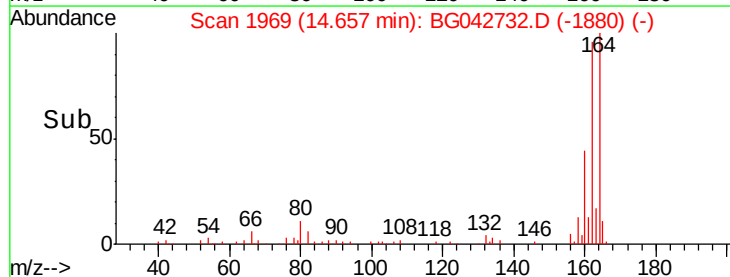
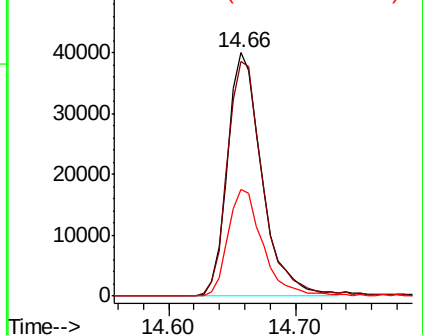


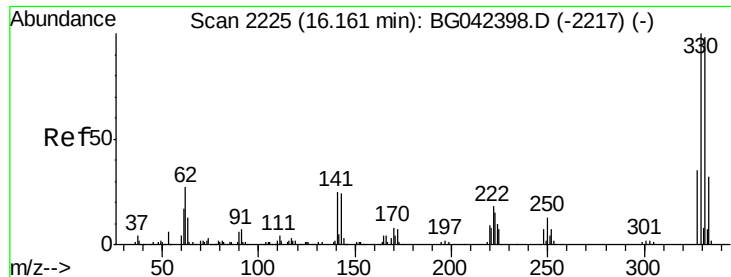
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

Tgt Ion:164 Resp: 75175
Ion Ratio Lower Upper
164 100
162 96.2 79.9 119.9
160 43.8 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: 160.658 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

Instrument :

BNA_G

ClientSampleId :

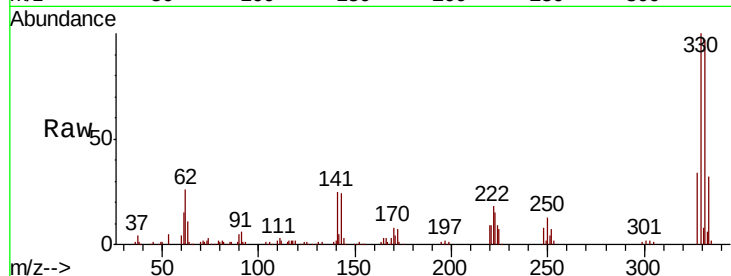
Tot Ion:330 Resp: 171661

Ion Ratio Lower Upper

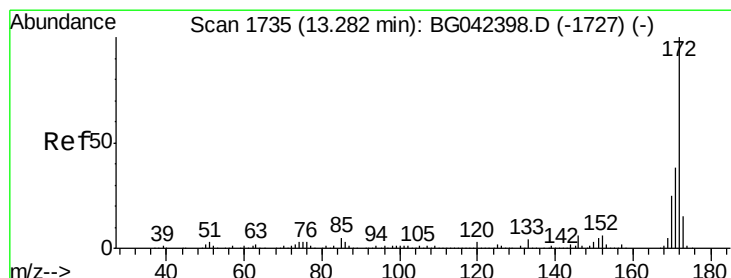
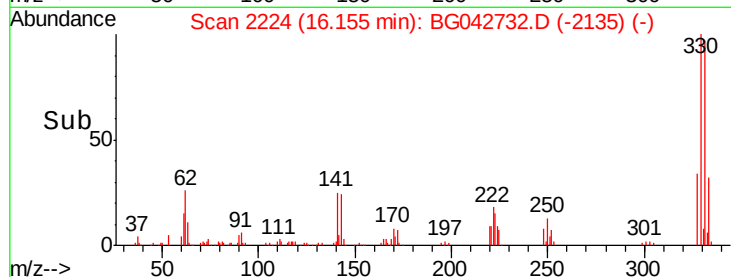
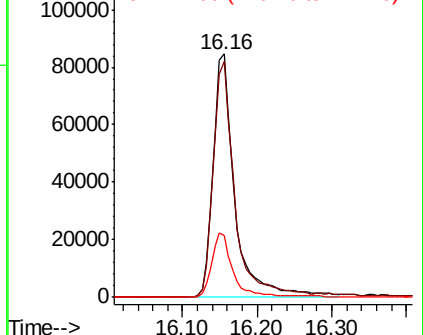
330 100

332 95.5 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: 111.040 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

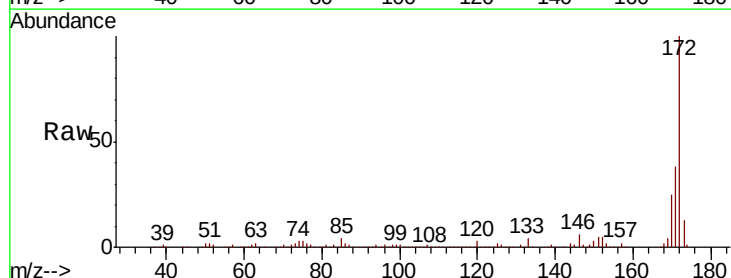
Tgt Ion:172 Resp: 493556

Ion Ratio Lower Upper

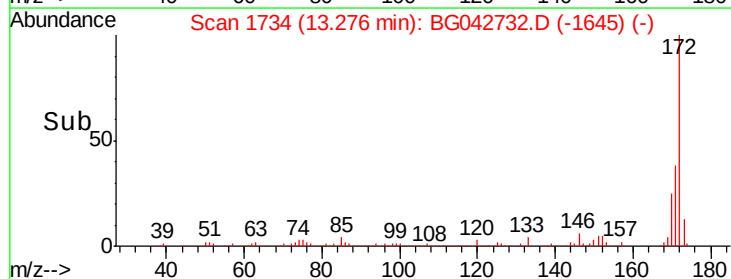
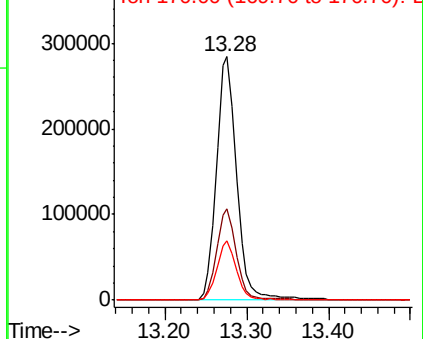
172 100

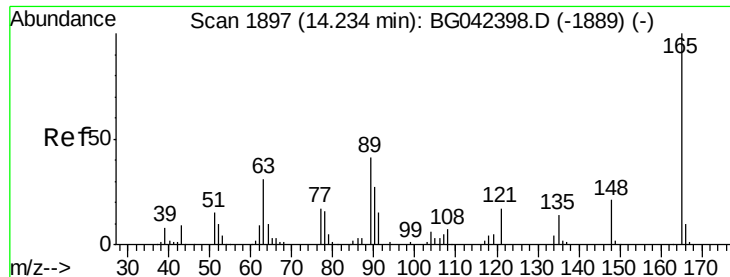
171 37.7 30.5 45.7

170 24.6 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

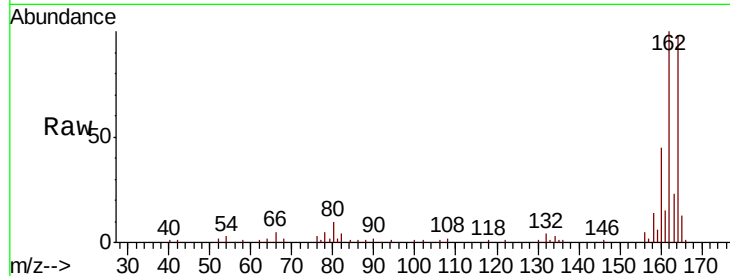




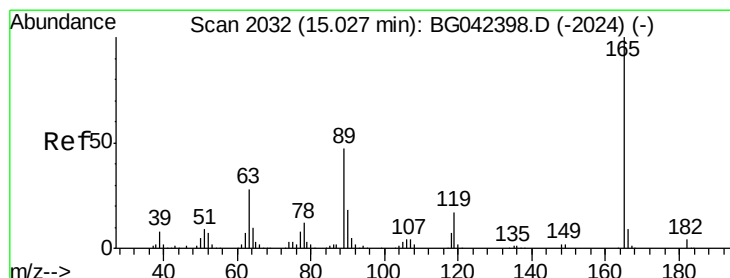
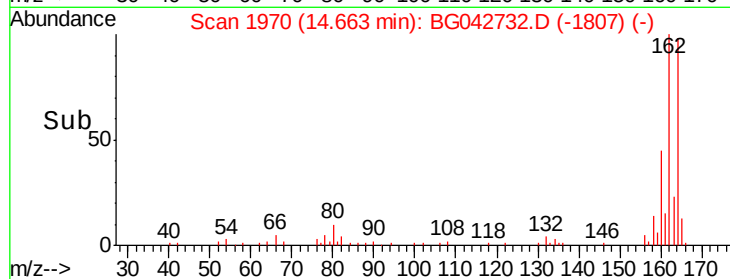
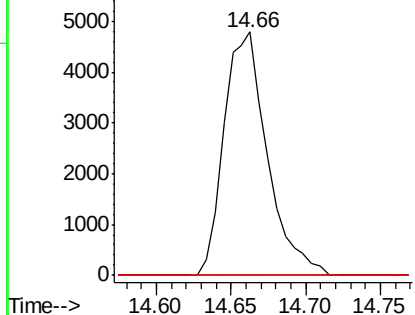
#51
 2,6-Dinitrotoluene
 Concen: 7.688 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042732.D
 Acq: 5 Sep 2019 22:35

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#

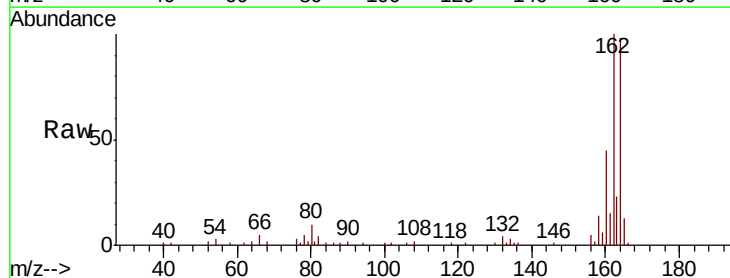


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

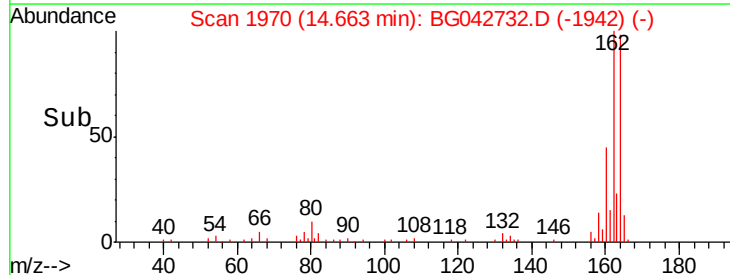
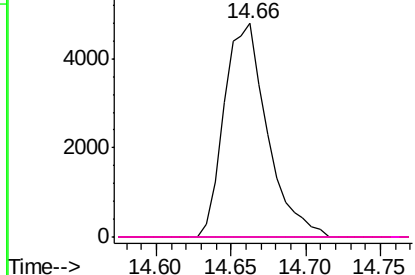


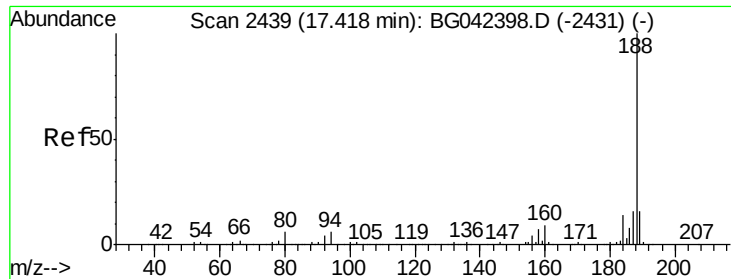
#57
 2,4-Dinitrotoluene
 Concen: 5.369 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042732.D
 Acq: 5 Sep 2019 22:35

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: BG042732.D

Acq: 5 Sep 2019 22:35

Instrument :

BNA_G

ClientSampled :

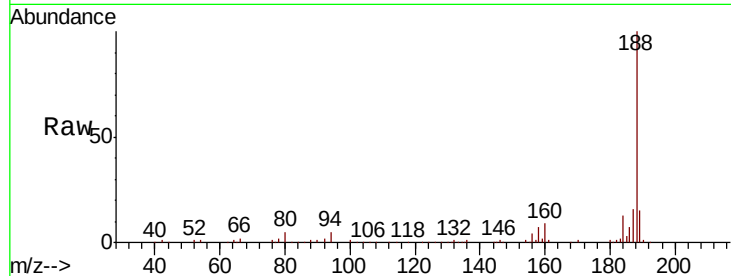
Tot Ion:188 Resp: 187055

Ion Ratio Lower Upper

188 100

94 4.8 4.5 6.7

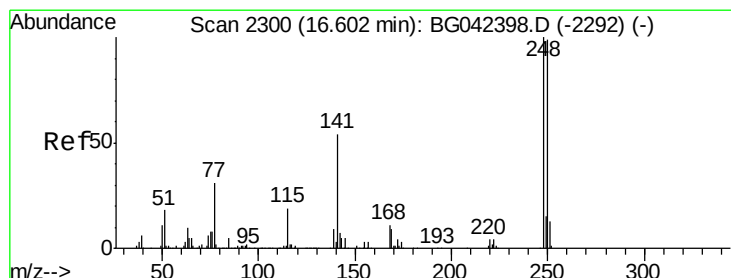
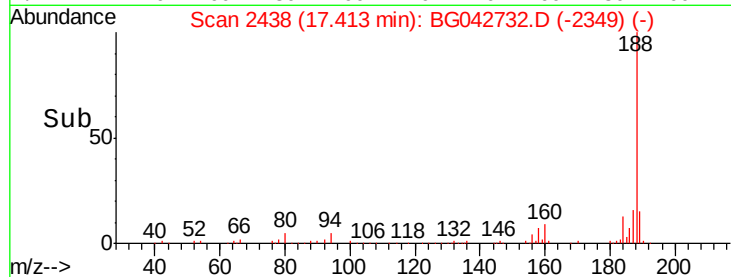
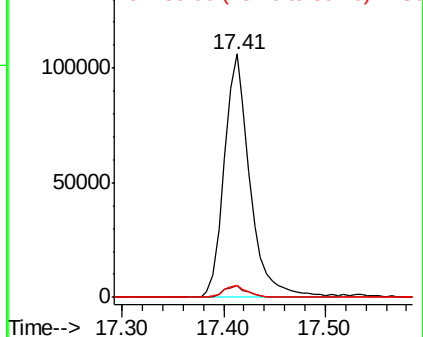
80 4.8 4.9 7.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.968 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

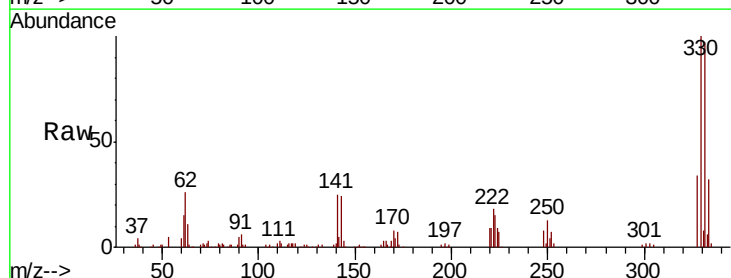
Tgt Ion:248 Resp: 11788

Ion Ratio Lower Upper

248 100

250 172.5 78.9 118.3#

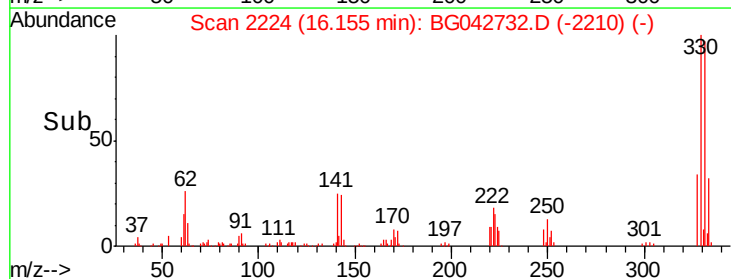
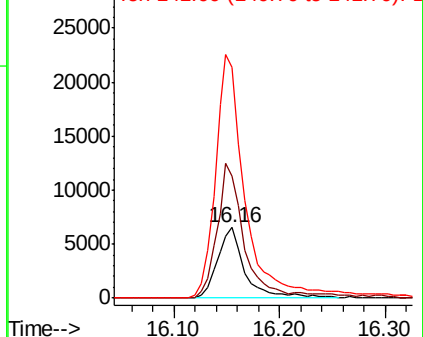
141 326.8 43.3 64.9#

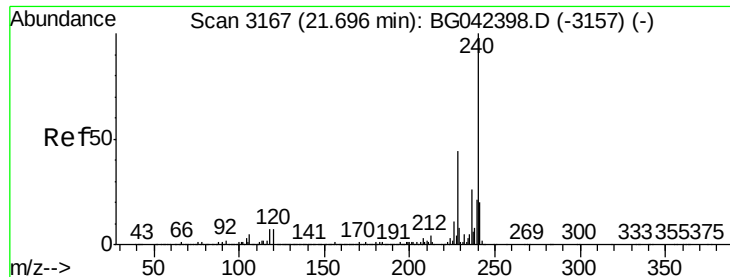


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

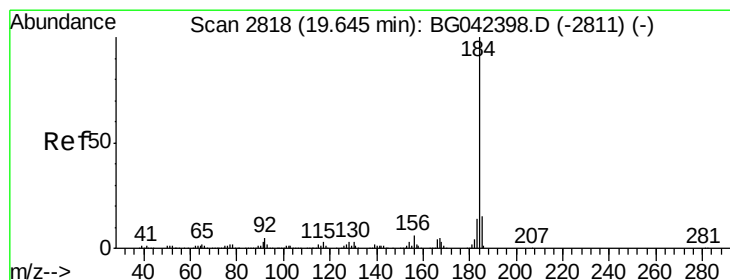
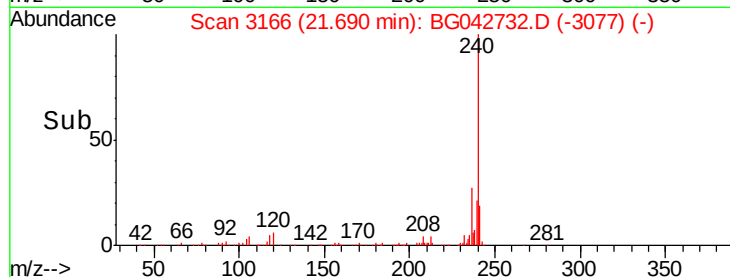
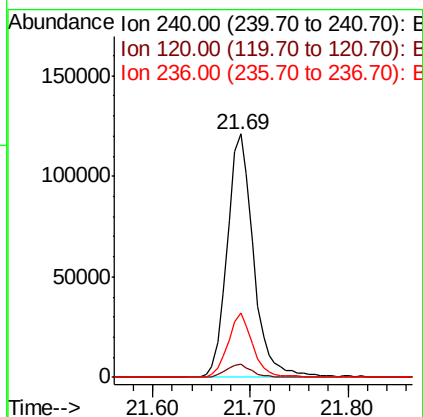
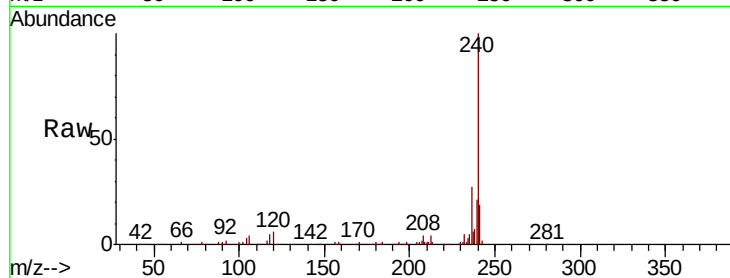




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

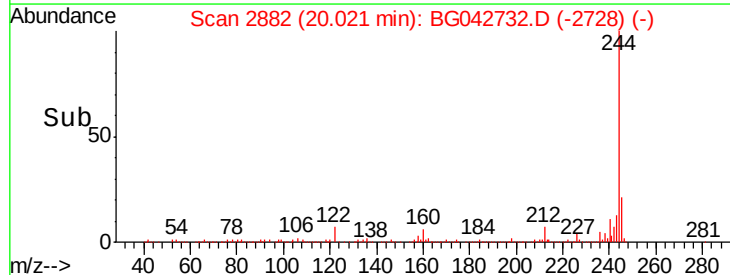
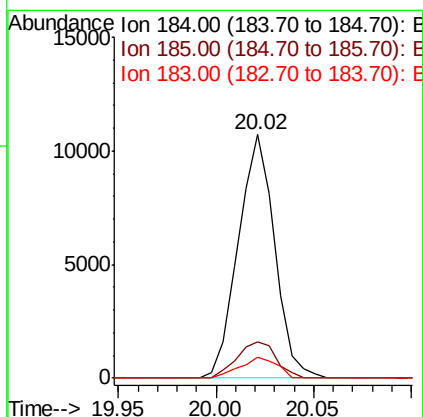
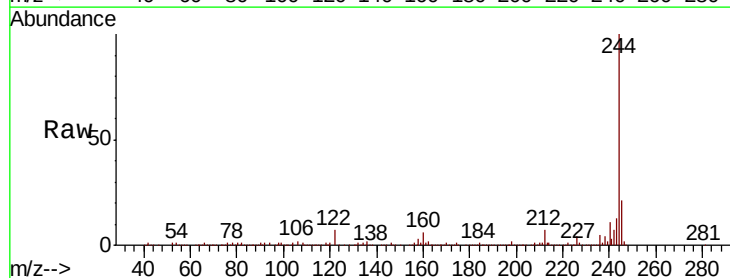
Instrument :
BNA_G
ClientSampleId :

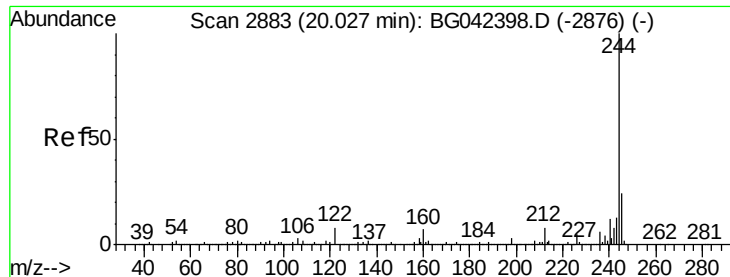
Tot Ion:240 Resp: 226286
Ion Ratio Lower Upper
240 100
120 5.6 5.7 8.5#
236 26.7 21.0 31.4



#77
Benzidine
Concen: 2.127 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.38 min
Lab File: BG042732.D
Acq: 5 Sep 2019 22:35

Tgt Ion:184 Resp: 13802
Ion Ratio Lower Upper
184 100
185 15.0 12.2 18.4
183 8.4 10.8 16.2#





#79

Terphenyl-d14

Concen: 107.245 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

Instrument :

BNA_G

ClientSampleId :

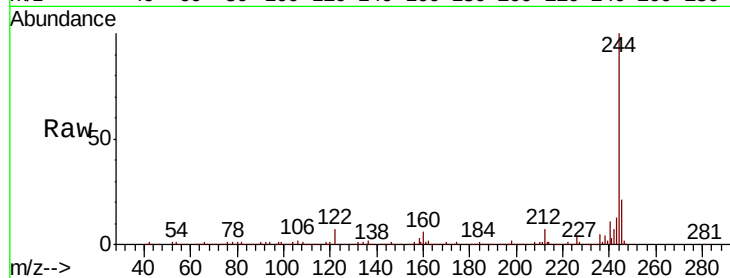
Tot Ion:244 Resp: 1122522

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

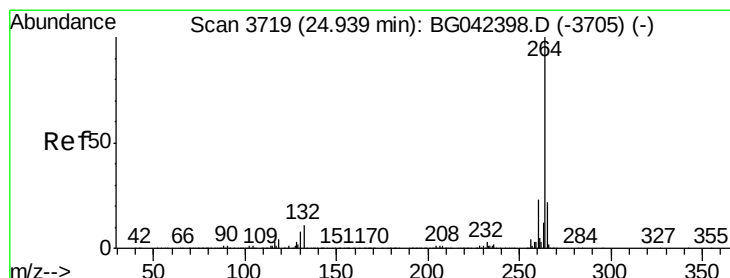
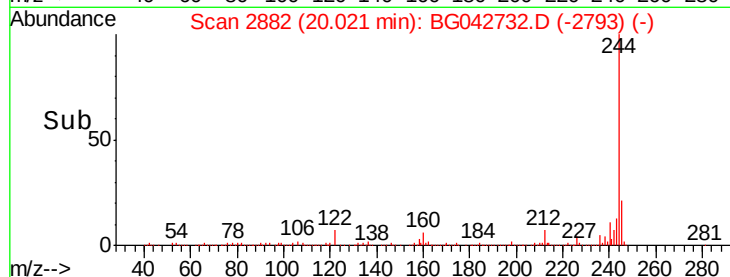
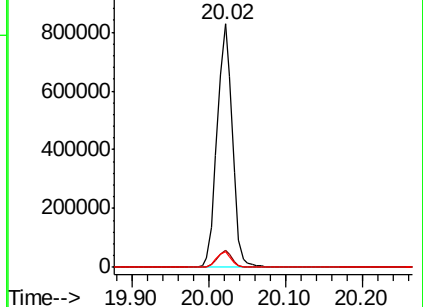
122 6.6 6.7 10.1#



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# 3718

Delta R.T. -0.01 min

Lab File: BG042732.D

Acq: 5 Sep 2019 22:35

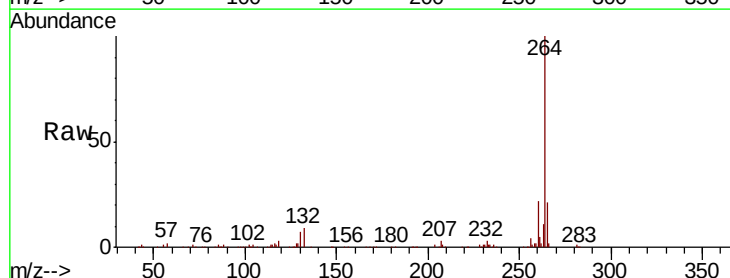
Tgt Ion:264 Resp: 261819

Ion Ratio Lower Upper

264 100

260 21.8 18.5 27.7

265 20.7 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

