

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042450.D
 Acq On : 24 Aug 2019 1:52
 Operator : HP/JU
 Sample : K4474-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-2-F1-F4

Quant Time: Aug 24 05:14:22 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	8.01	152	66675	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	261056	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	184047	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	408588	20.00	ng	0.00
76) Chrysene-d12	21.69	240	406297	20.00	ng	0.00
87) Perylene-d12	24.93	264	467711	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	445893	135.44	ng	0.00
7) Phenol-d6	7.17	99	552109	124.16	ng	0.00
23) Nitrobenzene-d5	9.17	82	386521	102.32	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	317622	121.42	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1056287	97.07	ng	0.00
79) Terphenyl-d14	20.03	244	1708585	90.91	ng	0.00

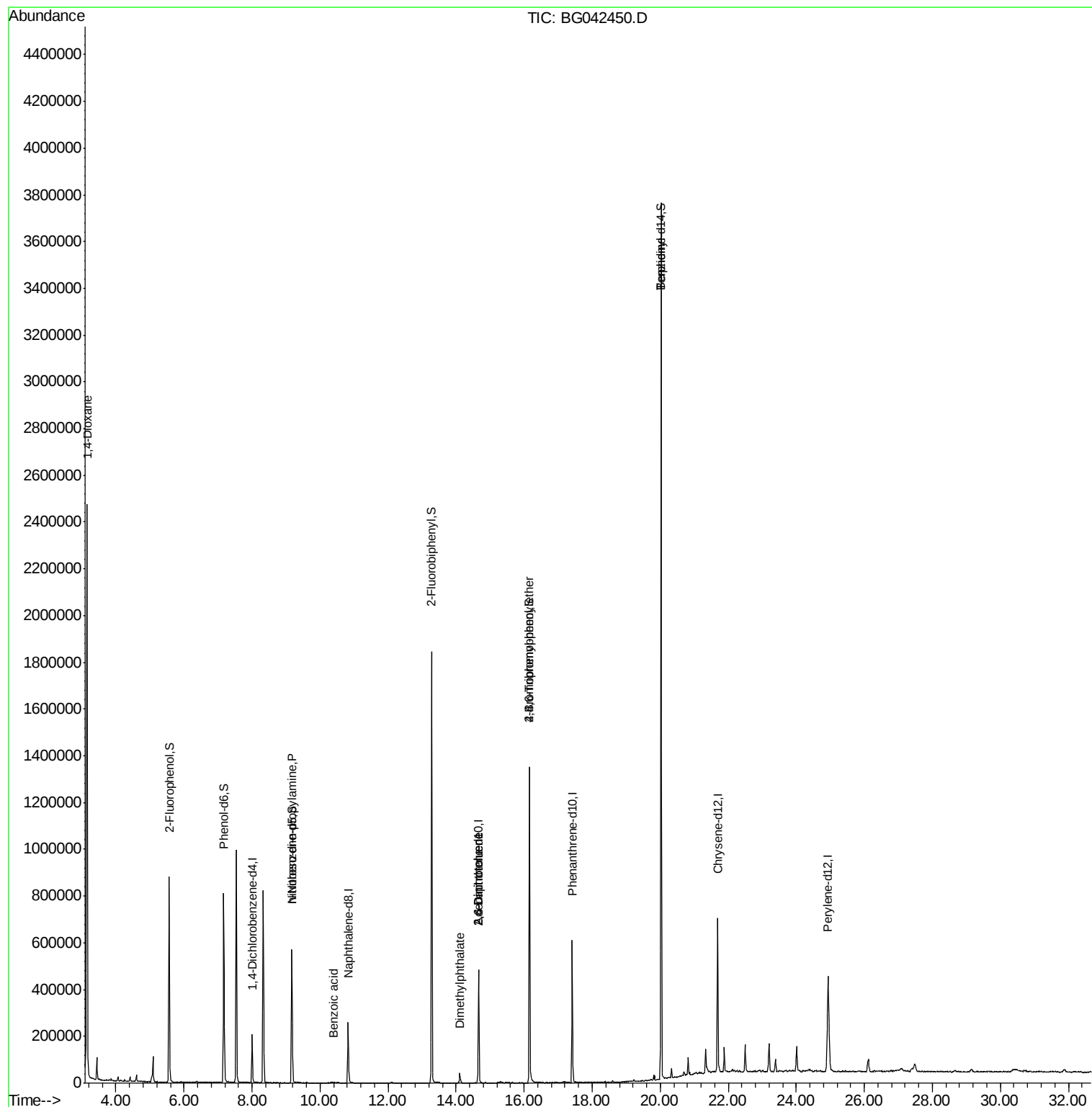
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	31776	23.129	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	50536	17.541	ng	# 74
32) Benzoic acid	10.40	122	320	8.280	ng	92
50) Dimethylphthalate	14.11	163	41617	3.134	ng	99
51) 2,6-Dinitrotoluene	14.66	165	23823	7.739	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	23823	5.405	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	23285	4.493	ng	# 1
77) Benzidine	20.03	184	25331	2.175	ng	# 92

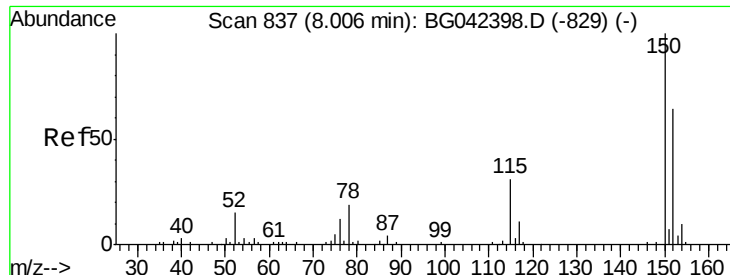
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

T1-2-F1-F4

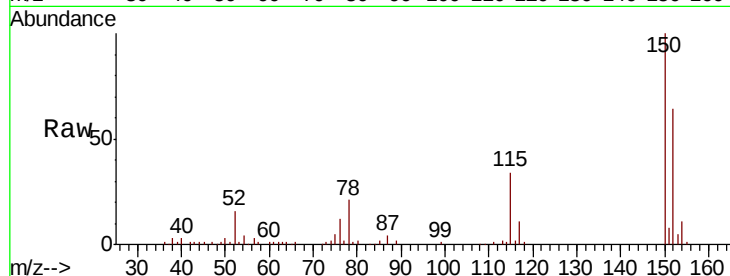
Tgt Ion:152 Resp: 66675

Ion Ratio Lower Upper

152 100

150 155.4 125.4 188.0

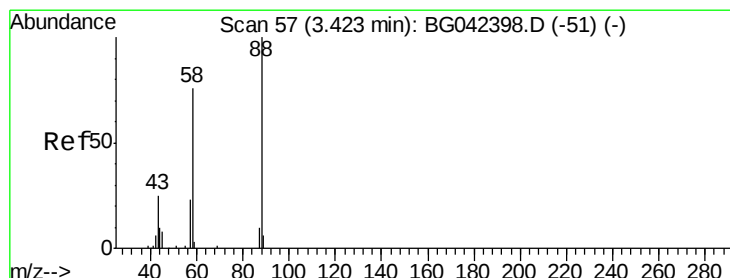
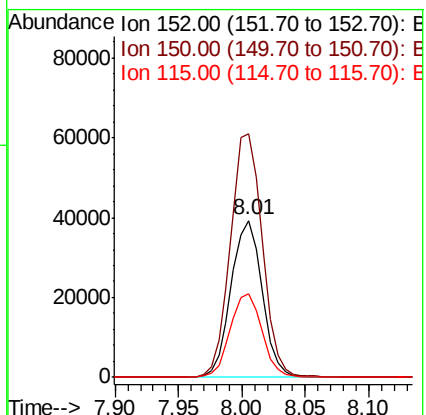
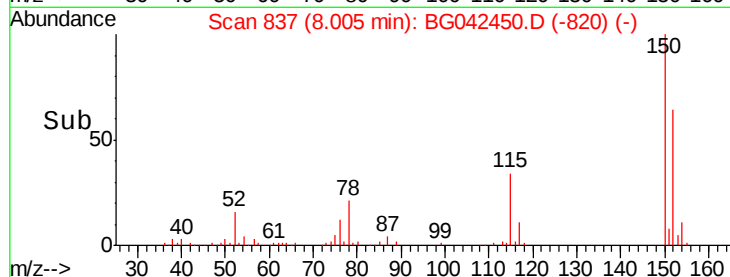
115 53.5 38.5 57.7



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: 23.129 ng

RT: 3.15 min Scan# 11

Delta R.T. -0.27 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

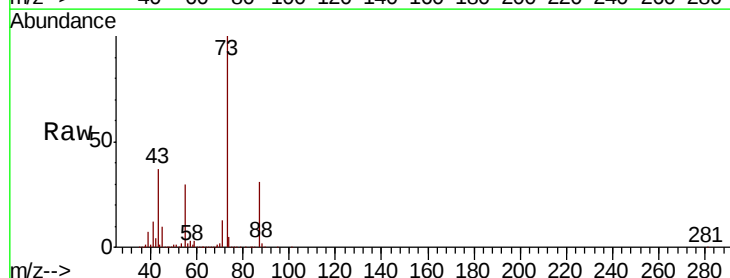
Tgt Ion: 88 Resp: 31776

Ion Ratio Lower Upper

88 100

58 27.8 58.3 87.5#

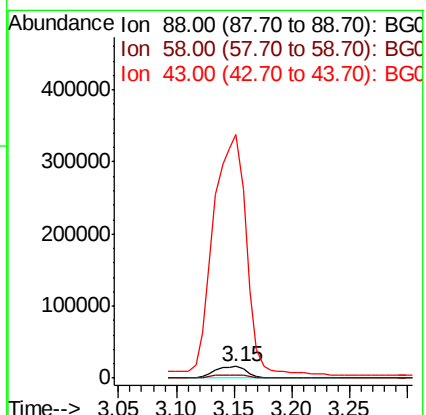
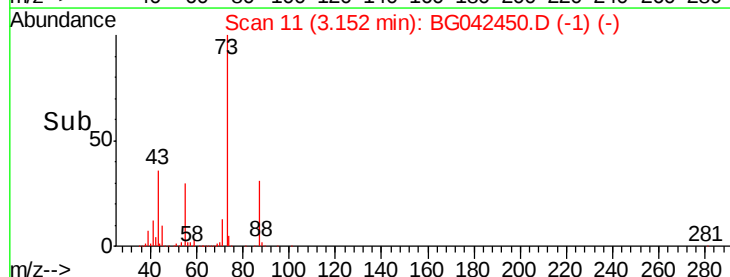
43 2098.4 20.2 30.2#

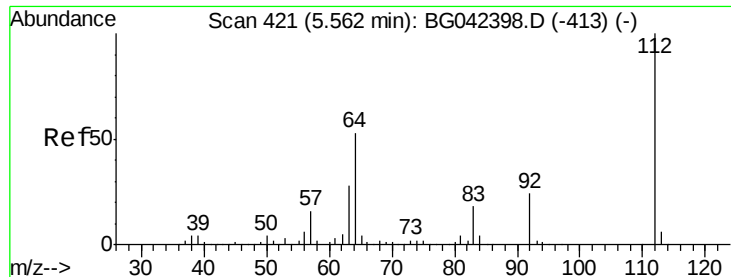


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.443 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

T1-2-F1-F4

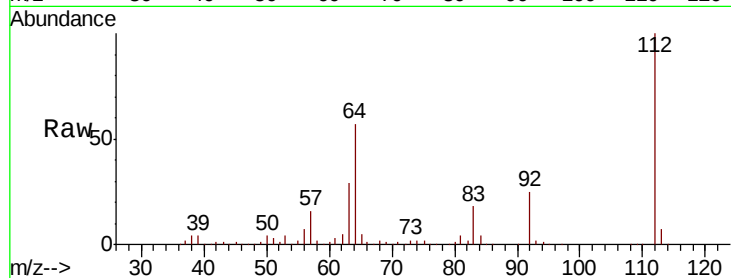
Tgt Ion: 112 Resp: 445893

Ion Ratio Lower Upper

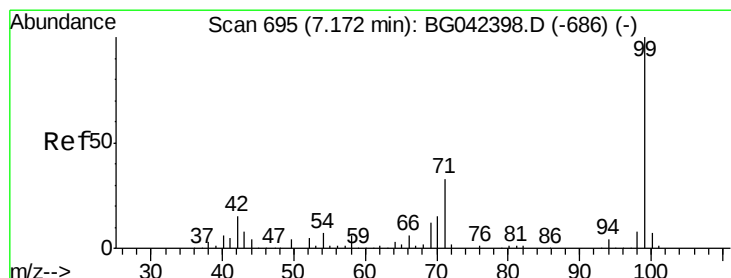
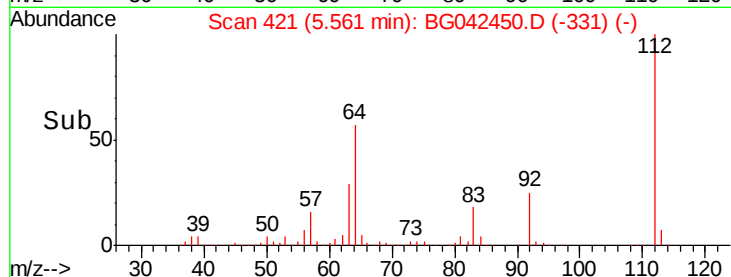
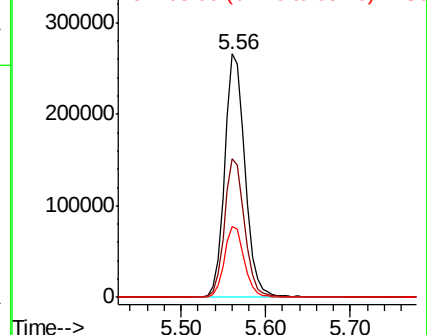
112 100

64 56.8 42.8 64.2

63 29.3 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: 124.156 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

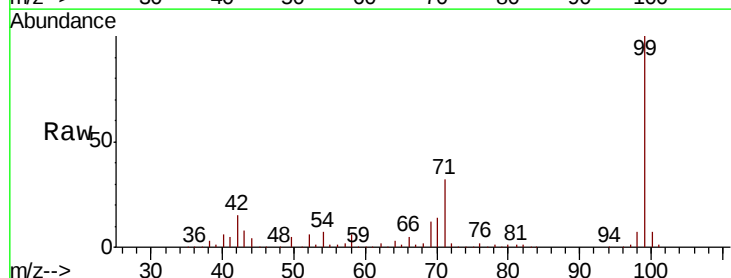
Tgt Ion: 99 Resp: 552109

Ion Ratio Lower Upper

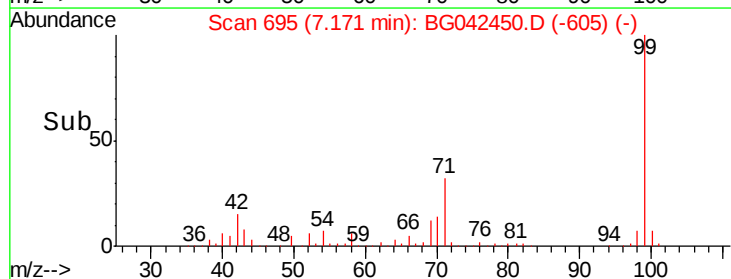
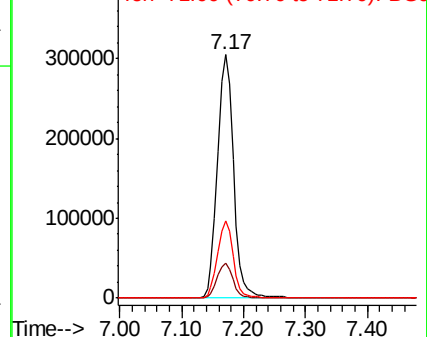
99 100

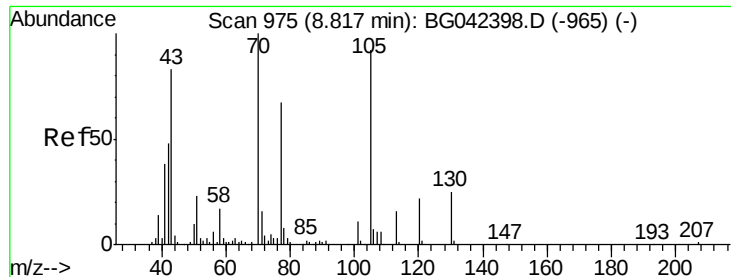
42 14.6 12.0 18.0

71 32.0 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

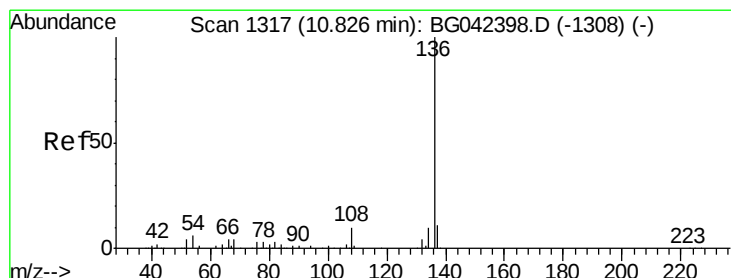
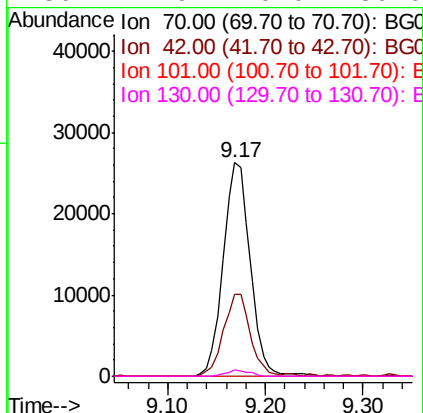
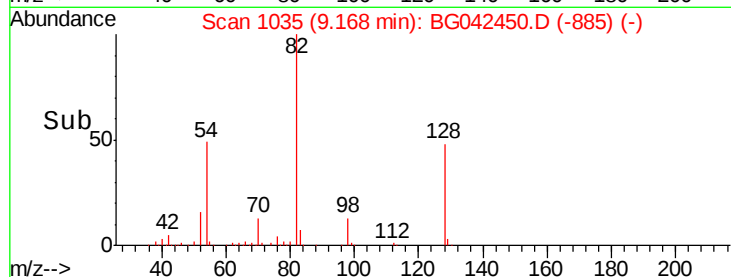
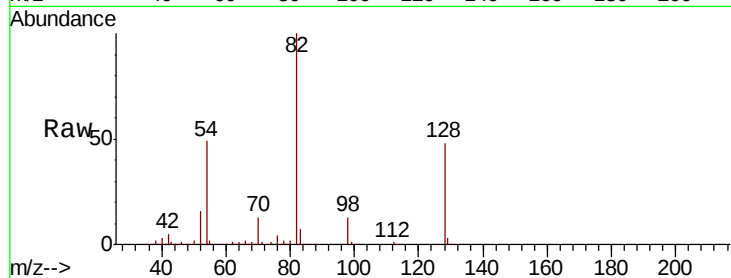




#19
n-Nitroso-di-n-propylamine
Concen: 17.541 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

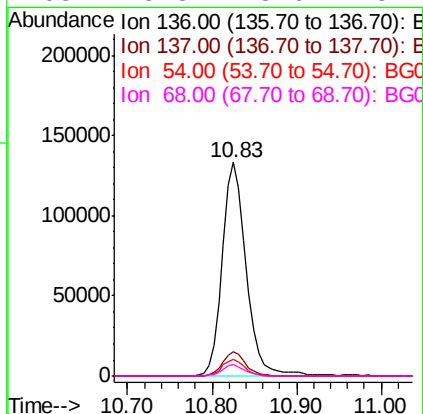
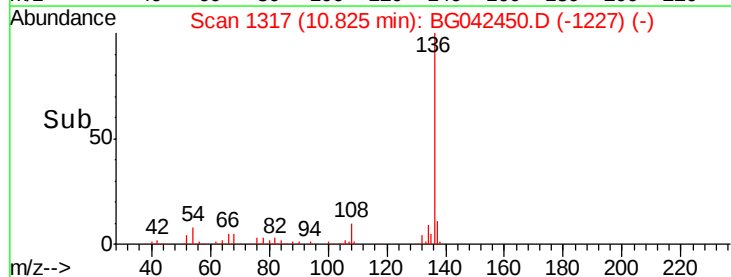
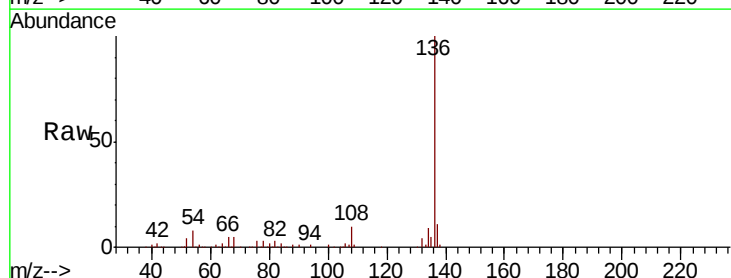
Instrument :
BNA_G
ClientSampleId :
T1-2-F1-F4

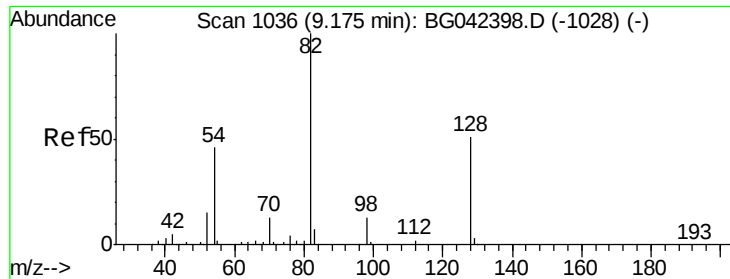
Tgt Ion: 70 Resp: 50536
Ion Ratio Lower Upper
70 100
42 38.2 38.8 58.2#
101 0.0 9.0 13.6#
130 2.9 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

Tgt Ion: 136 Resp: 261056
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 7.8 4.9 7.3#
68 5.3 3.6 5.4

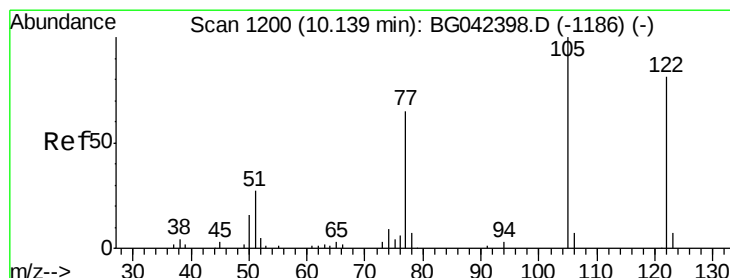
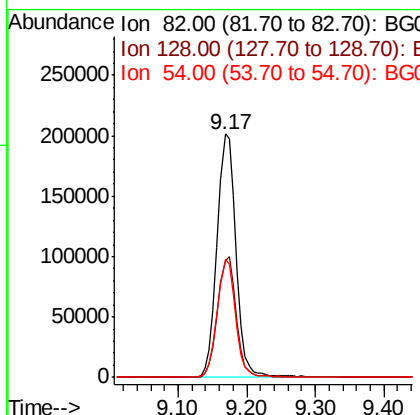
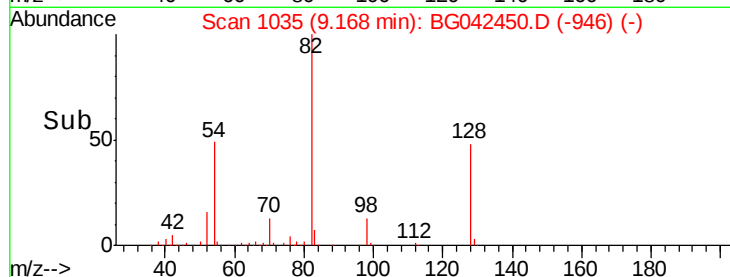
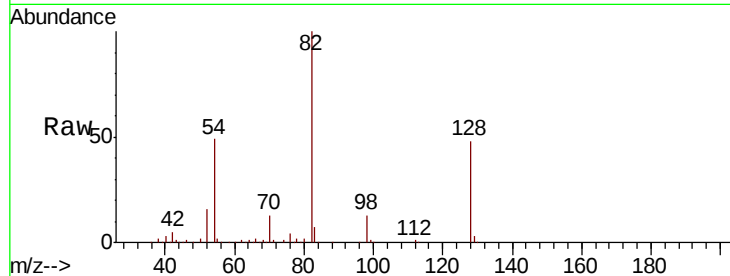




#23
 Nitrobenzene-d5
 Concen: 102.316 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042450.D
 Acq: 24 Aug 2019 1:52

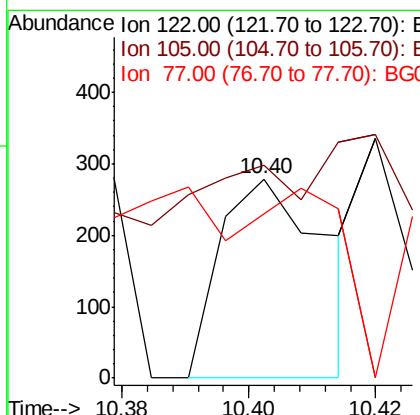
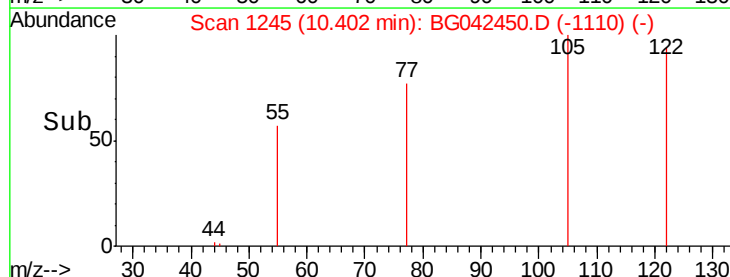
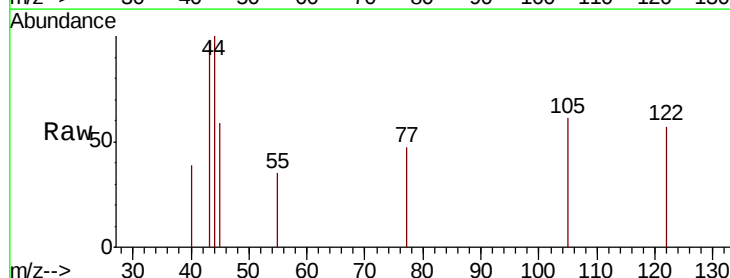
Instrument :
 BNA_G
 ClientSampleId :
 T1-2-F1-F4

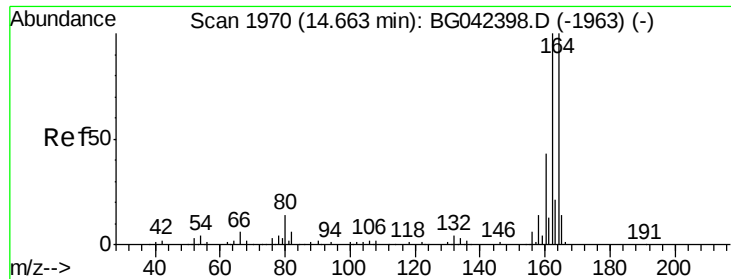
Tgt Ion: 82 Resp: 386521
 Ion Ratio Lower Upper
 82 100
 128 48.2 40.7 61.1
 54 48.6 36.3 54.5



#32
 Benzoic acid
 Concen: 8.280 ng
 RT: 10.40 min Scan# 1245
 Delta R.T. 0.26 min
 Lab File: BG042450.D
 Acq: 24 Aug 2019 1:52

Tgt Ion: 122 Resp: 320
 Ion Ratio Lower Upper
 122 100
 105 106.8 99.6 139.6
 77 82.4 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: BG042450.D

Acq: 24 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

T1-2-F1-F4

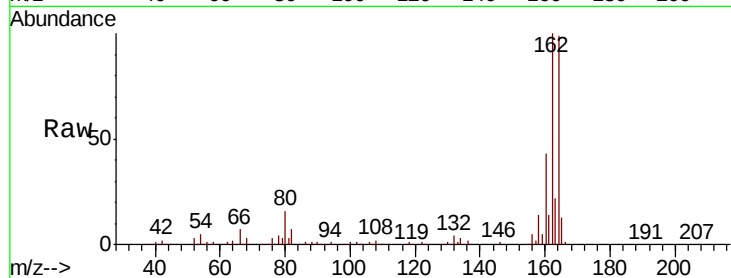
Tgt Ion:164 Resp: 184047

Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

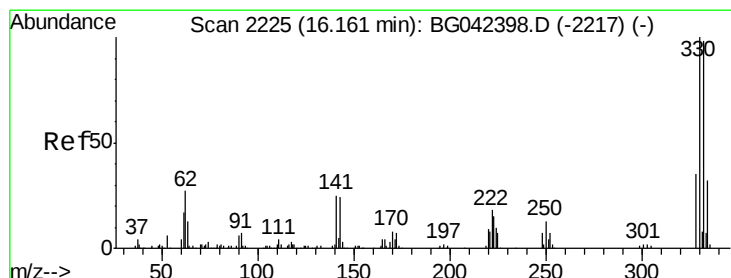
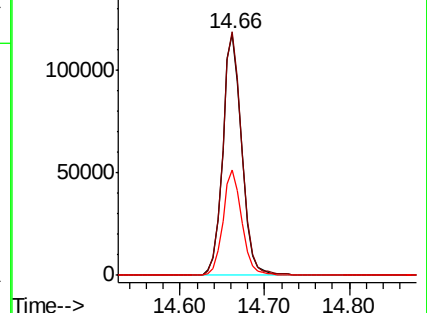
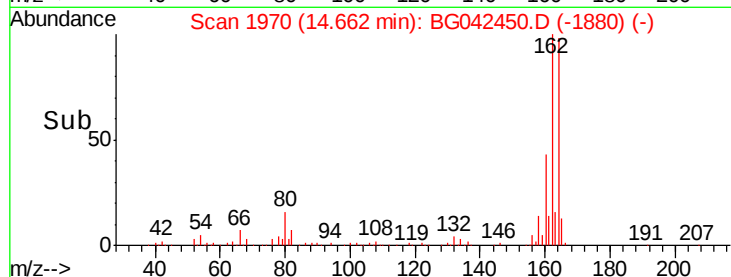
160 43.8 34.3 51.5



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: 121.419 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

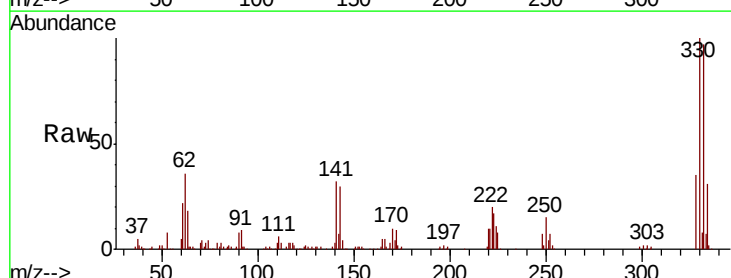
Tgt Ion:330 Resp: 317622

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

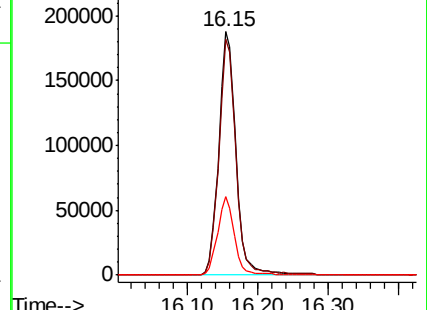
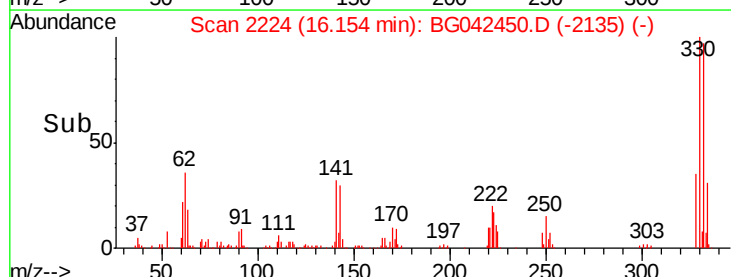
141 31.7 21.4 32.0

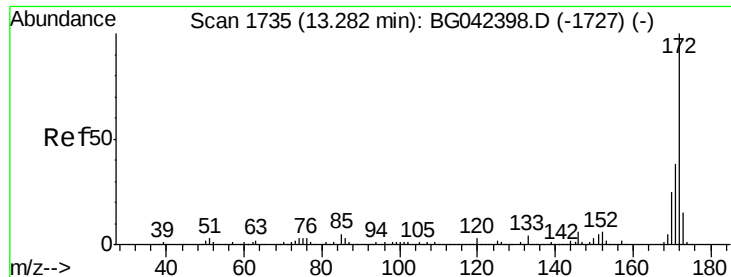


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

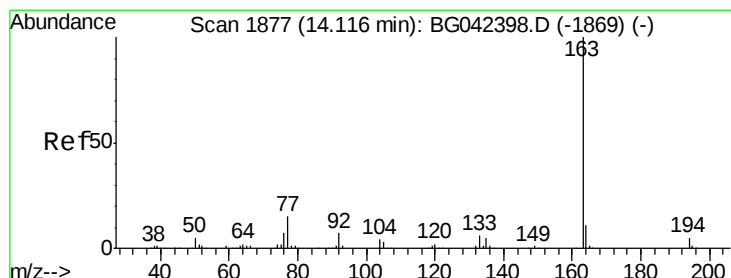
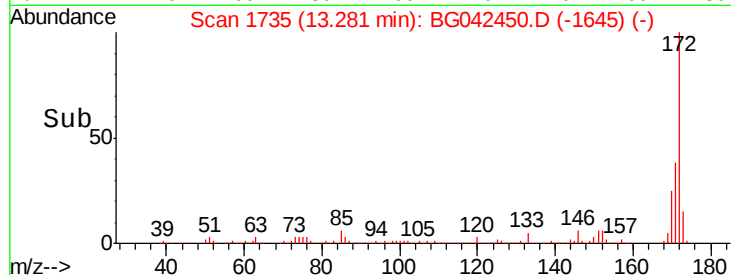
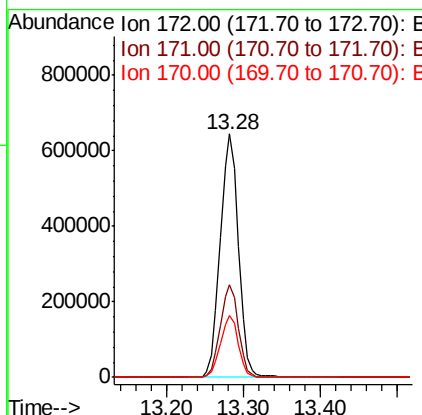
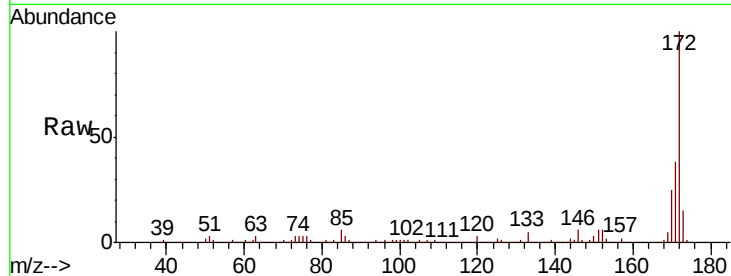




#45
2-Fluorobiphenyl
Concen: 97.067 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

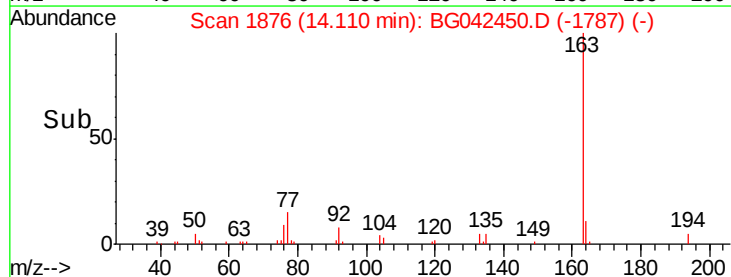
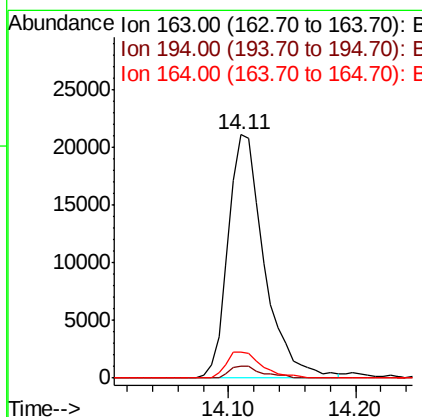
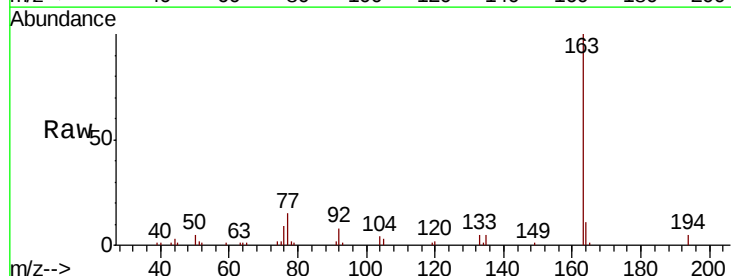
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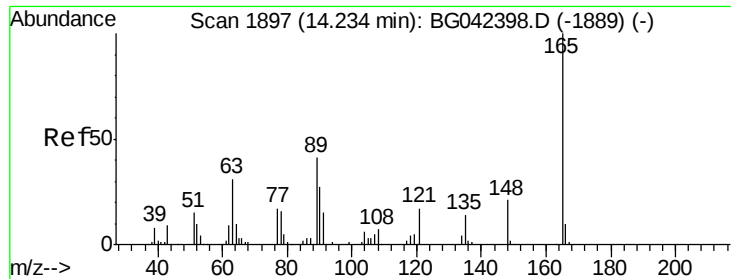
Tgt Ion:172 Resp: 1056287
Ion Ratio Lower Upper
172 100
171 38.0 30.5 45.7
170 25.4 20.2 30.2



#50
Dimethylphthalate
Concen: 3.134 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

Tgt Ion:163 Resp: 41617
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.9 8.8 13.2

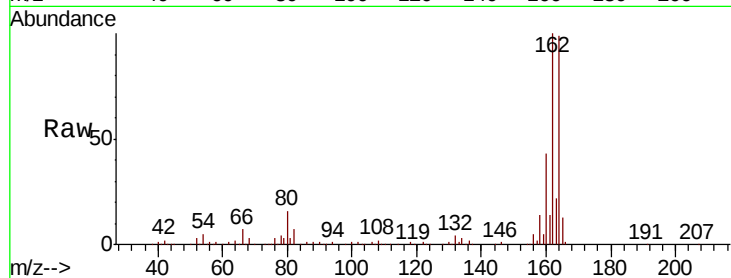




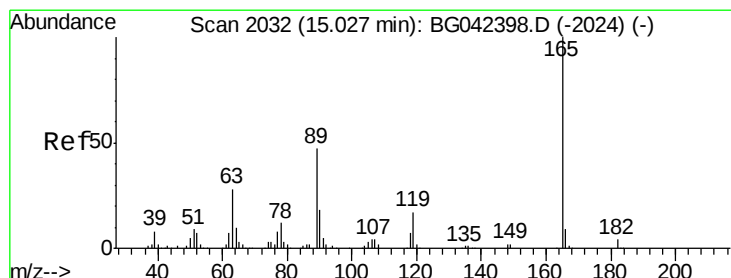
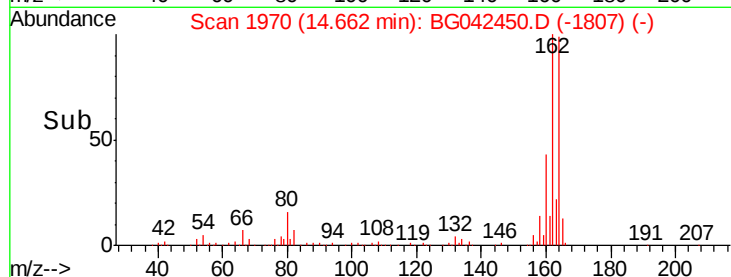
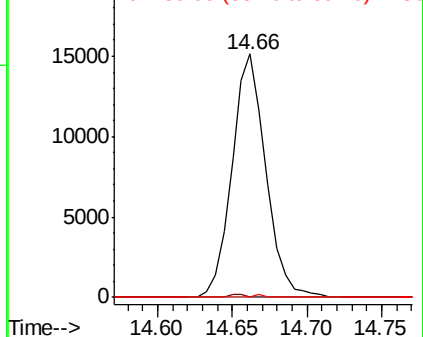
#51
 2,6-Dinitrotoluene
 Concen: 7.739 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042450.D
 Acq: 24 Aug 2019 1:52

Instrument :
 BNA_G
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 T1-2-F1-F4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#

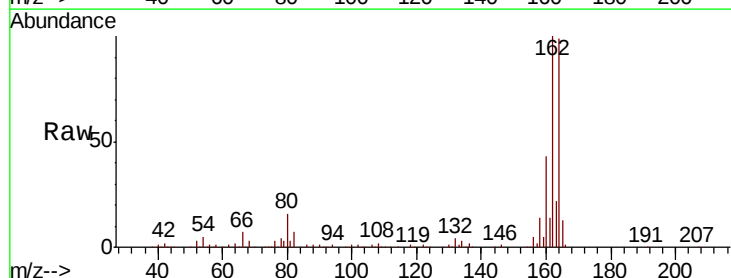


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

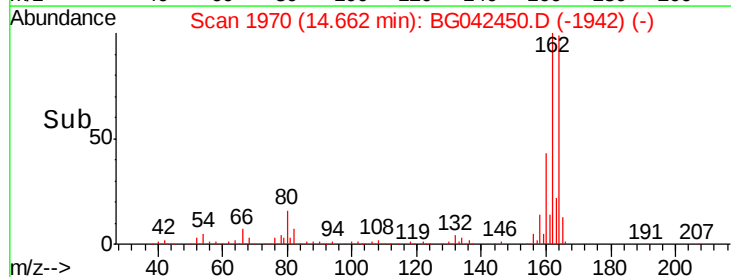
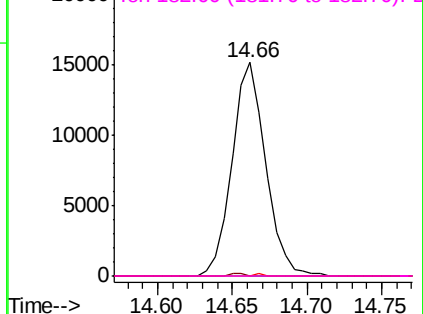


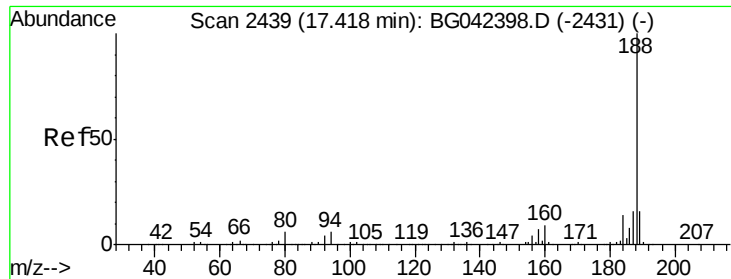
#57
 2,4-Dinitrotoluene
 Concen: 5.405 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG042450.D
 Acq: 24 Aug 2019 1:52

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: BG042450.D

Acq: 24 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

T1-2-F1-F4

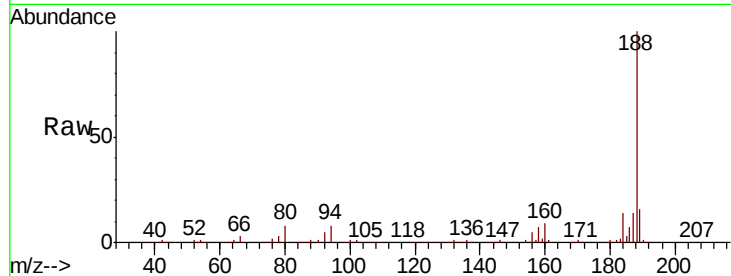
Tgt Ion:188 Resp: 408588

Ion Ratio Lower Upper

188 100

94 7.8 4.5 6.7#

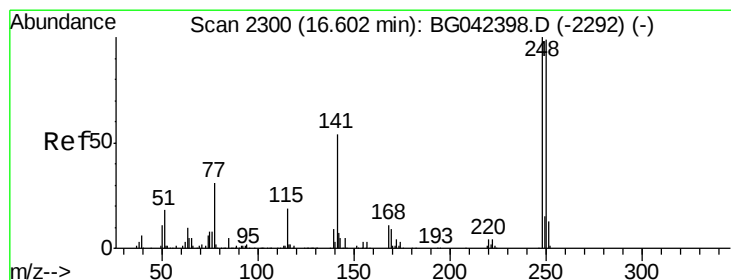
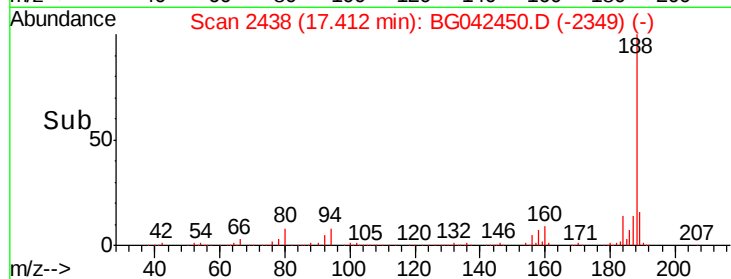
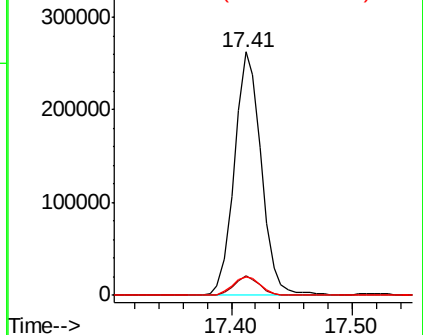
80 7.8 4.9 7.3#



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: 4.493 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

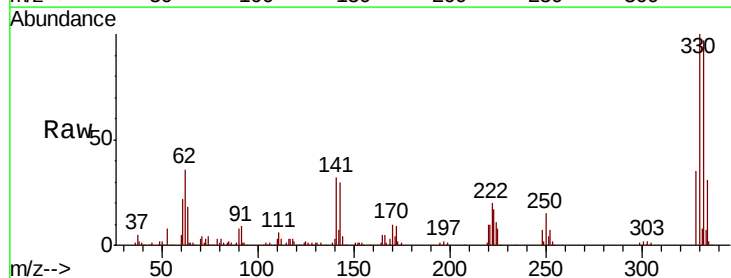
Tgt Ion:248 Resp: 23285

Ion Ratio Lower Upper

248 100

250 198.7 78.9 118.3#

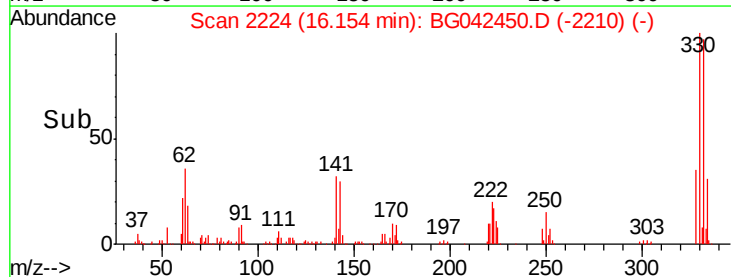
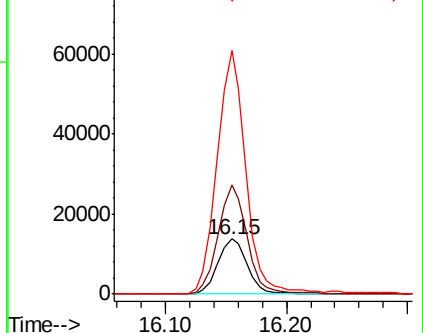
141 443.1 43.3 64.9#

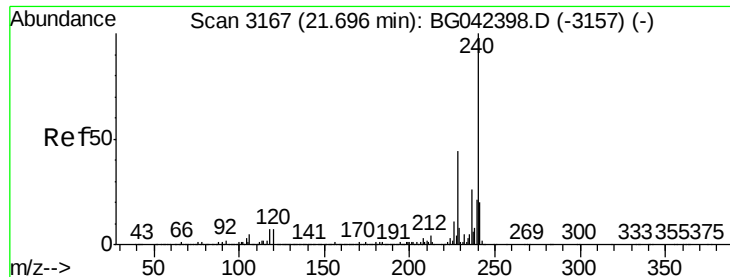


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

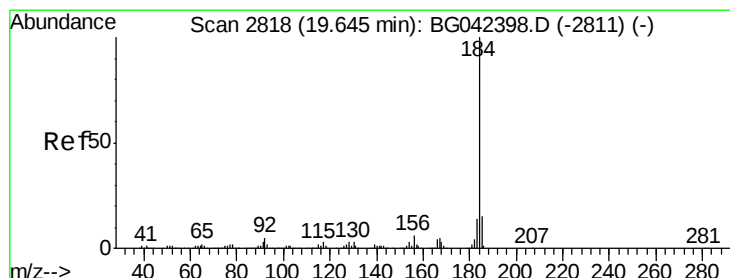
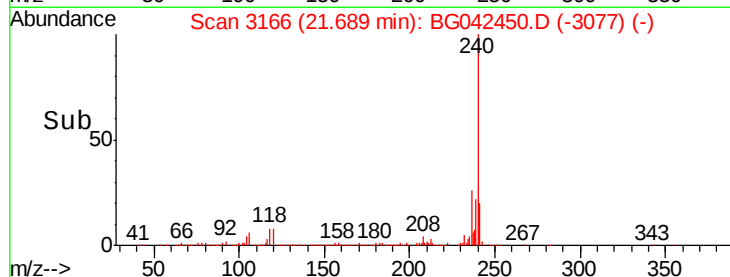
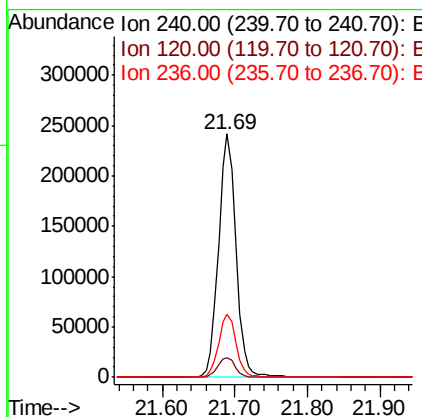
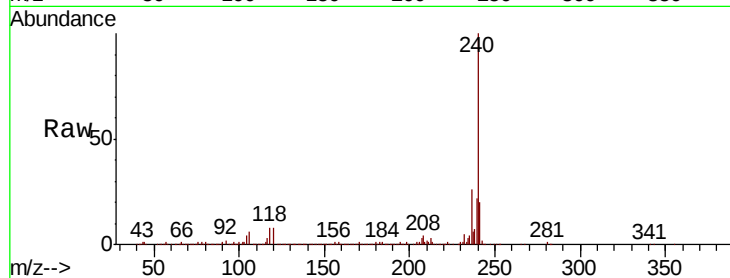




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

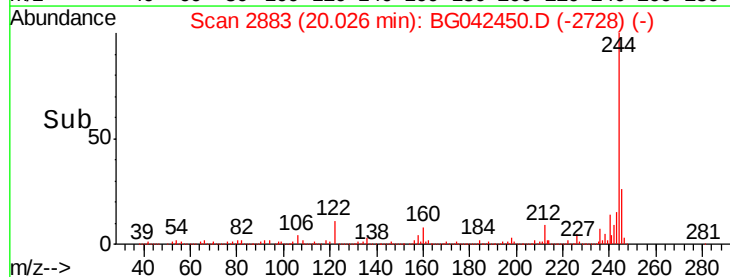
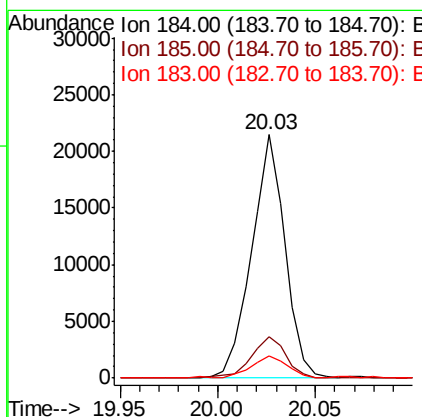
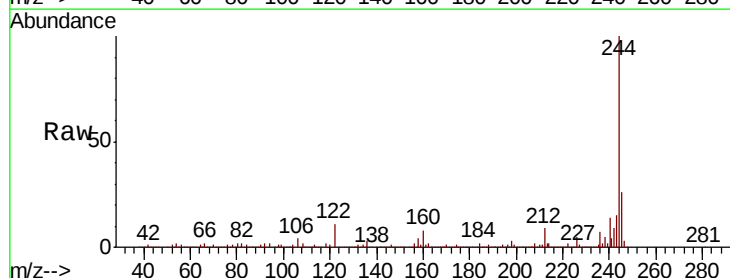
Instrument :
BNA_G
ClientSampleId :
T1-2-F1-F4

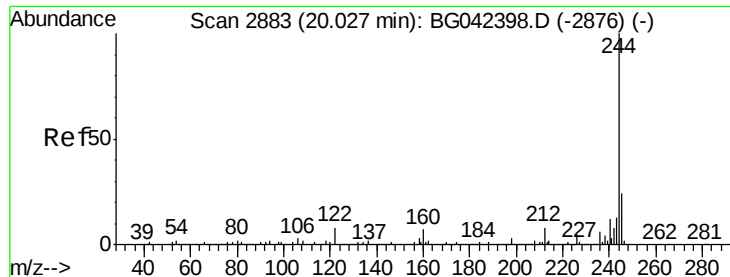
Tgt Ion:240 Resp: 406297
Ion Ratio Lower Upper
240 100
120 8.3 5.7 8.5
236 25.8 21.0 31.4



#77
Benzidine
Concen: 2.175 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042450.D
Acq: 24 Aug 2019 1:52

Tgt Ion:184 Resp: 25331
Ion Ratio Lower Upper
184 100
185 17.2 12.2 18.4
183 9.0 10.8 16.2#





#79

Terphenyl-d14

Concen: 90.914 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042450.D

Acq: 24 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

T1-2-F1-F4

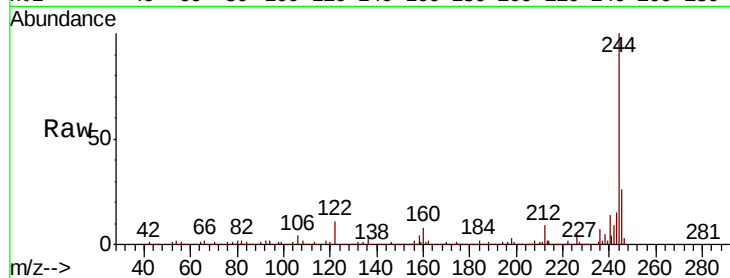
Tgt Ion:244 Resp: 1708585

Ion Ratio Lower Upper

244 100

212 8.8 6.0 9.0

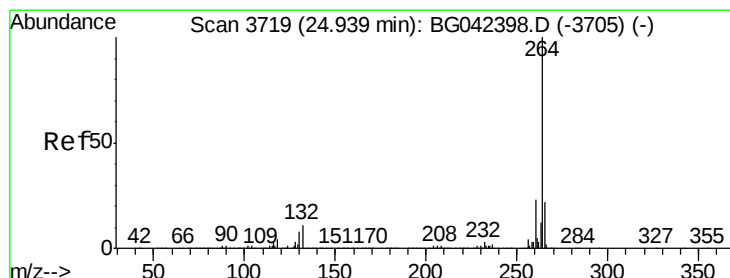
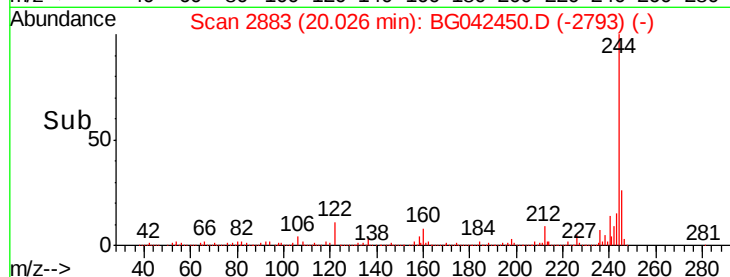
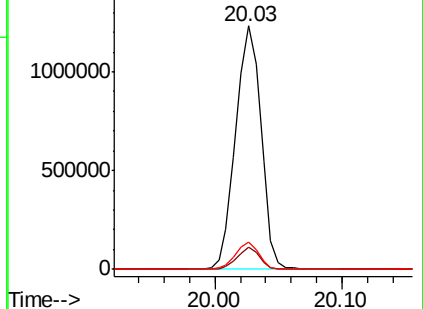
122 11.0 6.7 10.1#



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: BG042450.D

Acq: 24 Aug 2019 1:52

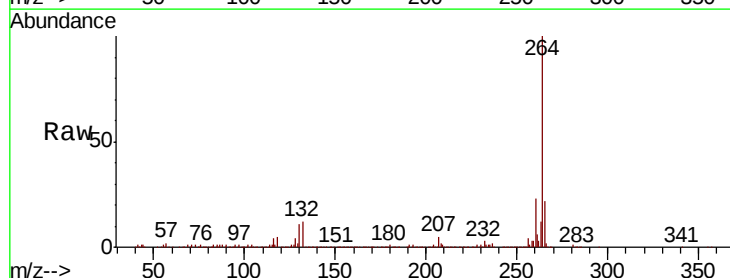
Tgt Ion:264 Resp: 467711

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.2 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

