

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042472.D
 Acq On : 25 Aug 2019 11:19
 Operator : HP/JU
 Sample : K4450-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 26 06:30:59 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

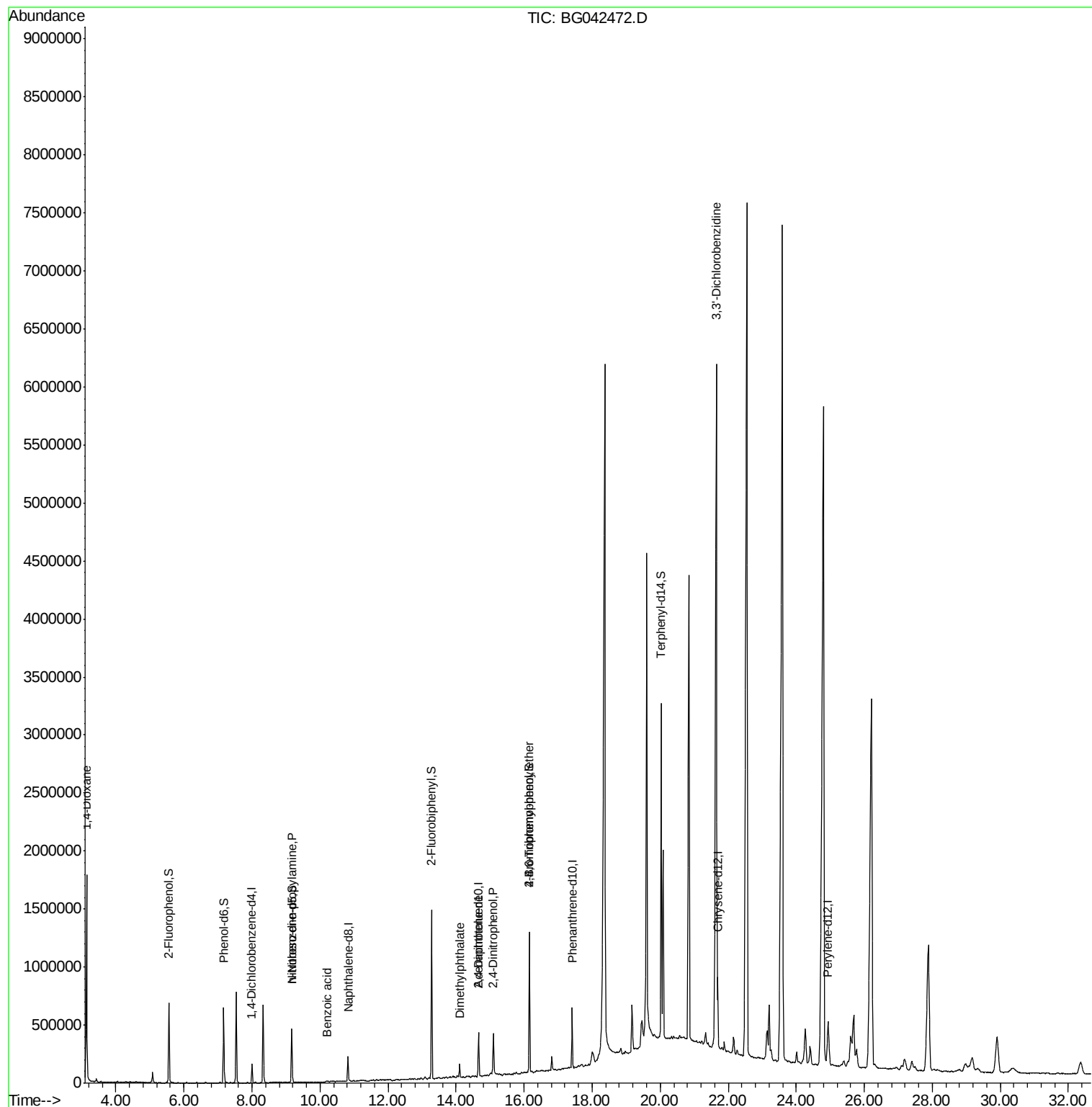
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	53283	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	204373	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	147810	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	338835	20.00	ng	0.00
76) Chrysene-d12	21.69	240	364719	20.00	ng	0.00
87) Perylene-d12	24.93	264	433147	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	343348	130.51	ng	0.00
7) Phenol-d6	7.17	99	434863	122.37	ng	0.00
23) Nitrobenzene-d5	9.17	82	297106	100.46	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	283970	135.17	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	847335	96.95	ng	0.00
79) Terphenyl-d14	20.03	244	1494001	88.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	17466	15.908	ng	Qvalue # 1
19) n-Nitroso-di-n-propylamine	9.17	70	37900	16.462	ng	# 76
32) Benzoic acid	10.22	122	162	8.241	ng	88
50) Dimethylphthalate	14.10	163	85630	8.029	ng	97
54) 2,4-Dinitrophenol	15.10	184	57	6.293	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	19956	5.637	ng	# 42
67) 4-Bromophenyl-phenylether	16.16	248	20574	4.787	ng	# 1
82) 3,3'-Dichlorobenzidine	21.65	252	18184	2.038	ng	# 1

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

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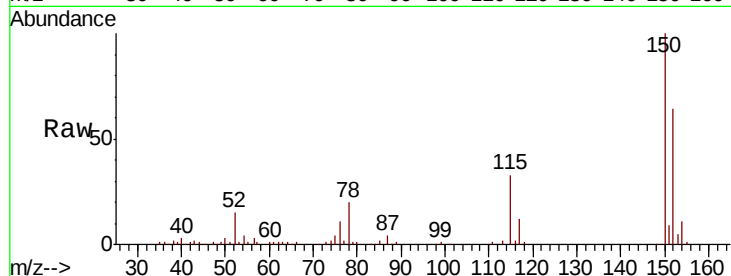


#1

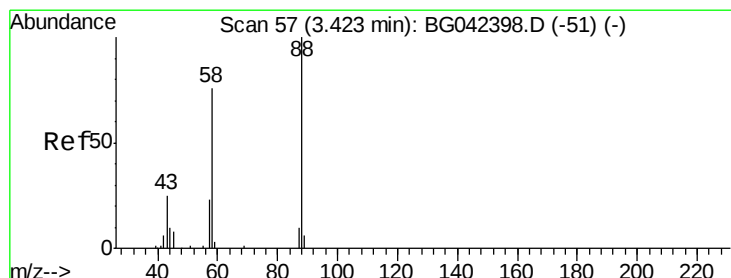
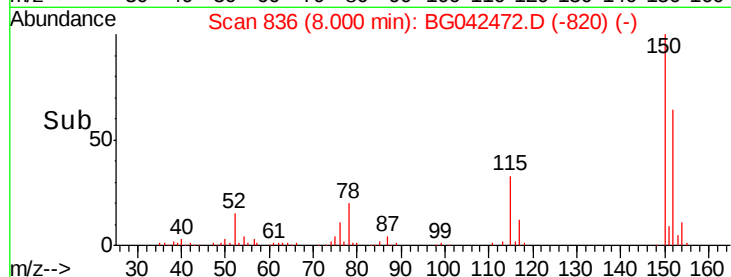
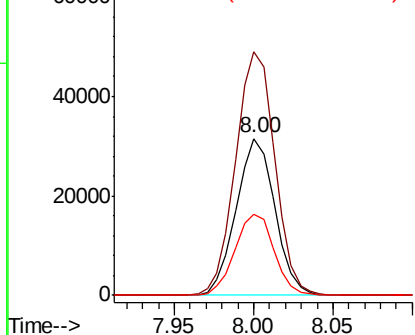
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53283
Ion Ratio Lower Upper
152 100
150 155.1 125.4 188.0
115 51.9 38.5 57.7



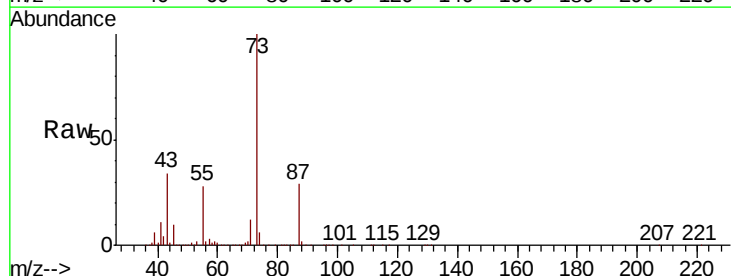
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



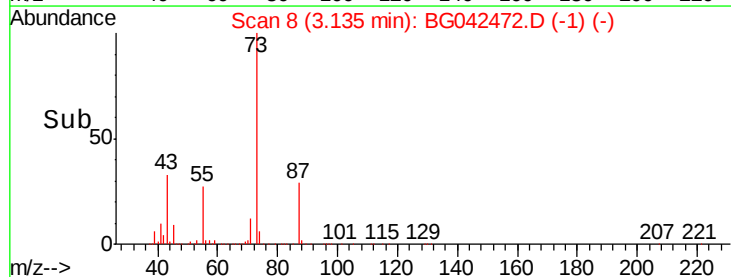
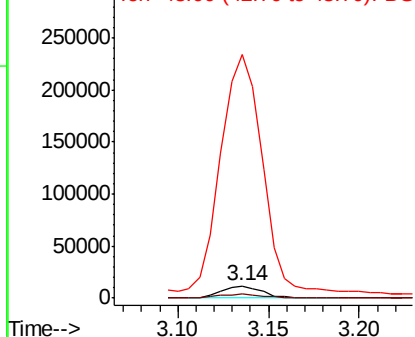
#2

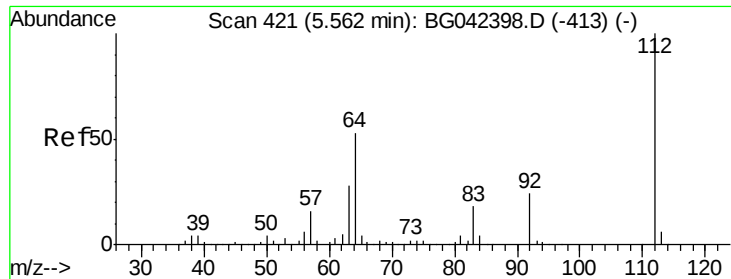
1,4-Dioxane
Concen: 15.908 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.29 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Tgt Ion: 88 Resp: 17466
Ion Ratio Lower Upper
88 100
58 27.0 58.3 87.5#
43 2182.2 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: 130.507 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

Instrument :

BNA_G

ClientSampled :

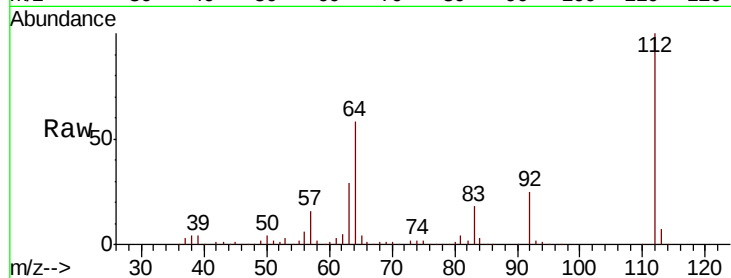
Tot Ion: 112 Resp: 343348

Ion Ratio Lower Upper

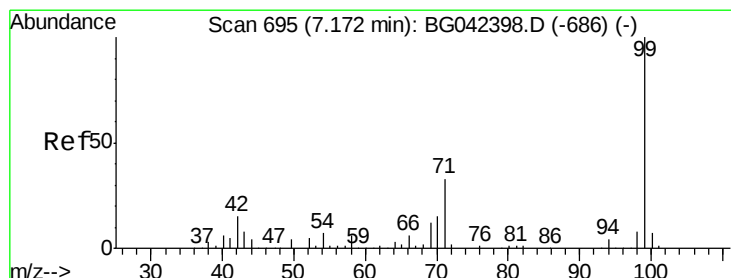
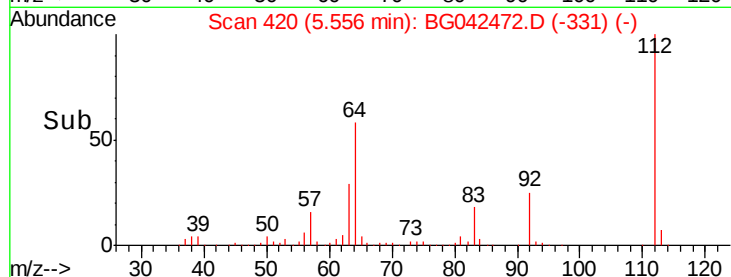
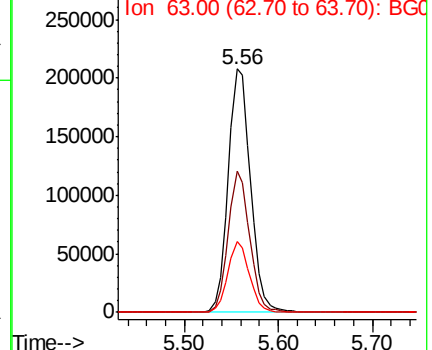
112 100

64 58.0 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: 122.368 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

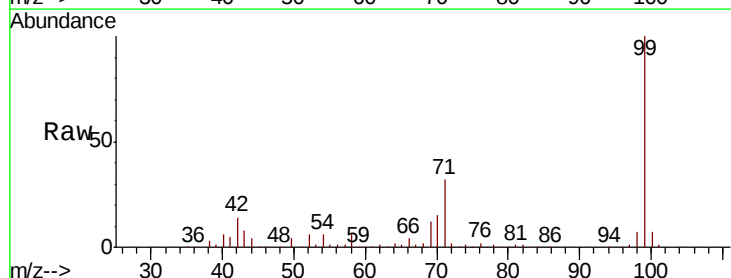
Tgt Ion: 99 Resp: 434863

Ion Ratio Lower Upper

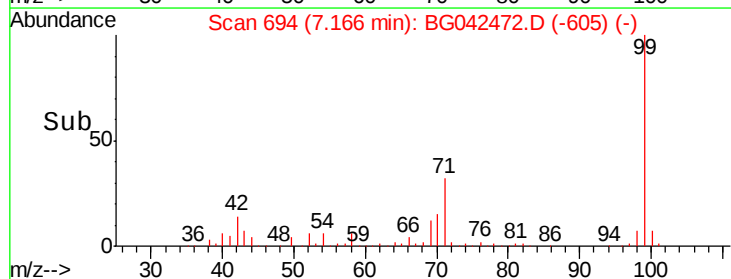
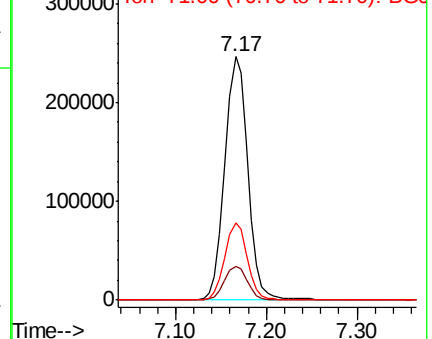
99 100

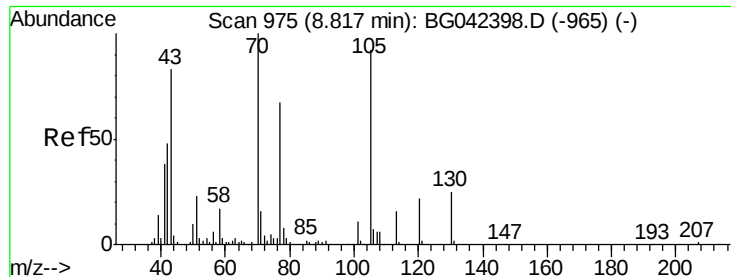
42 13.9 12.0 18.0

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

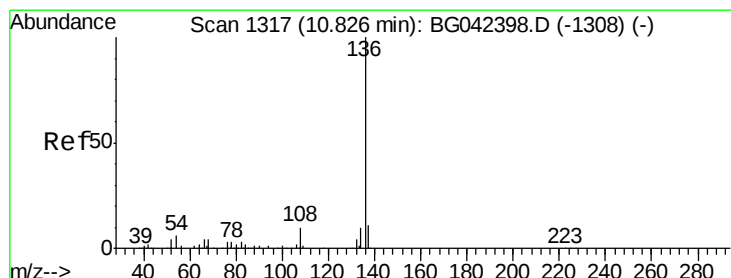
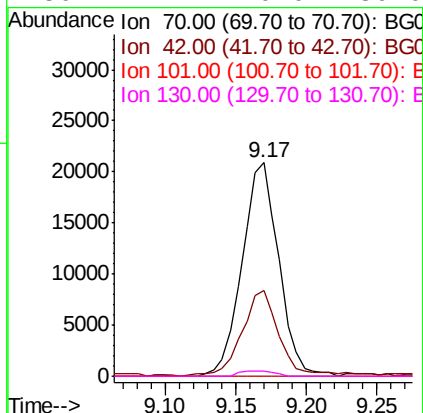
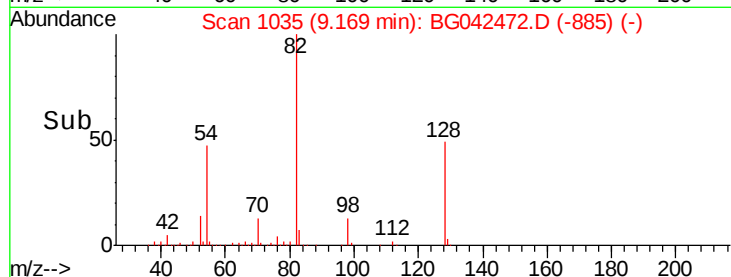
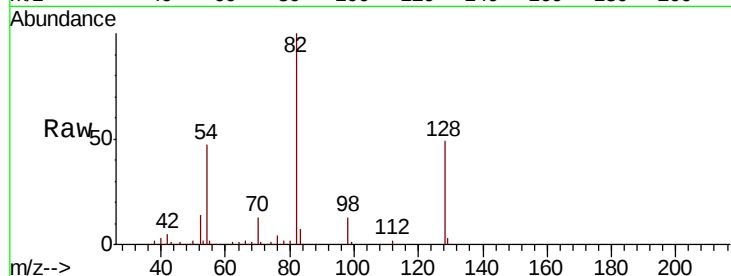




#19
n-Nitroso-di-n-propylamine
Concen: 16.462 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

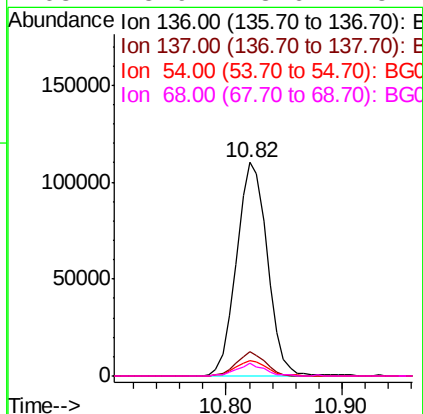
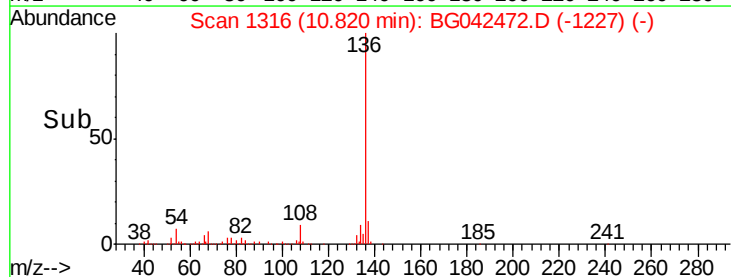
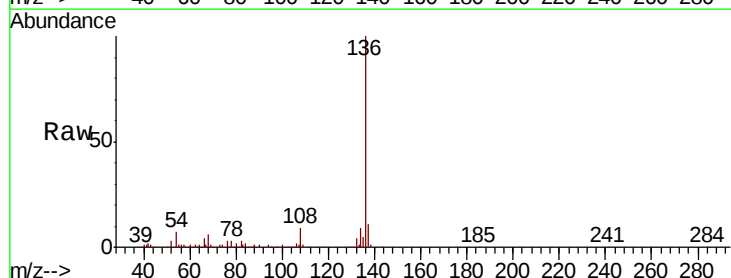
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 37900
Ion Ratio Lower Upper
70 100
42 40.3 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: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Tgt Ion: 136 Resp: 204373
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.3 4.9 7.3#
68 5.9 3.6 5.4#

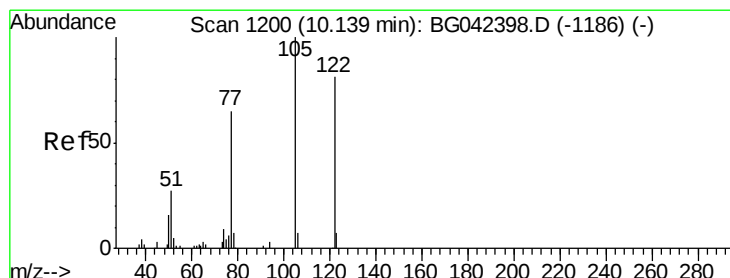
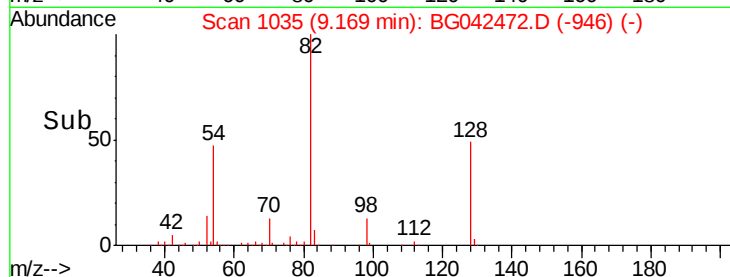
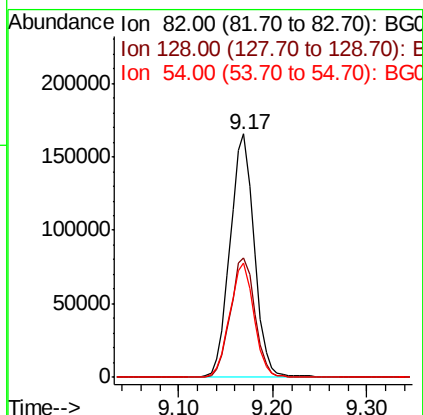
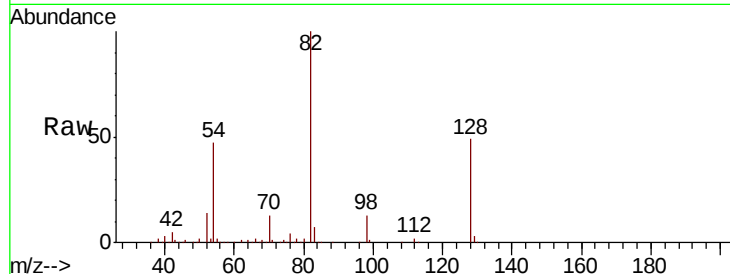




#23
Nitrobenzene-d5
Concen: 100.459 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

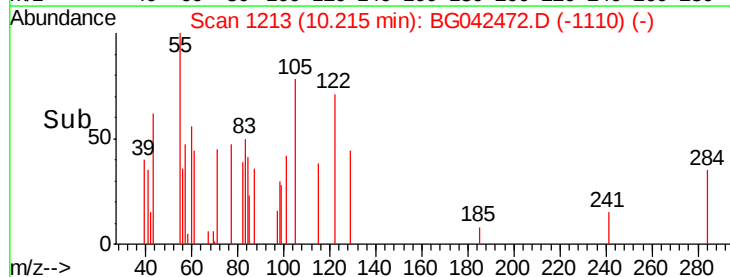
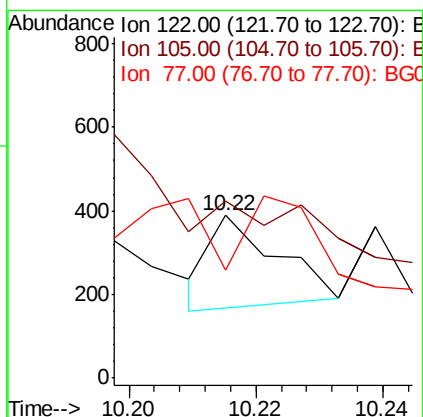
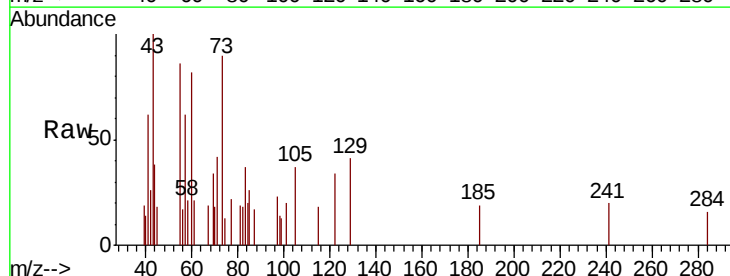
Instrument :
BNA_G
ClientSampleId :

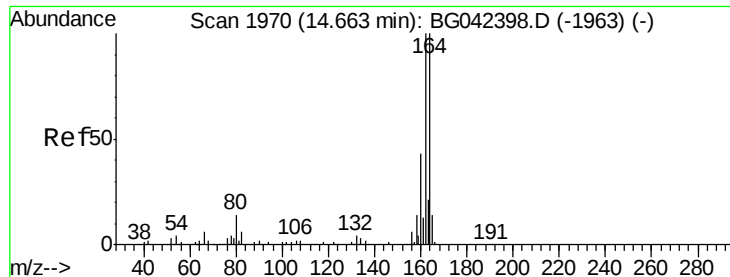
Tot Ion	82	Resp	297106
Ion Ratio	Lower	Upper	
82	100		
128	49.0	40.7	61.1
54	46.8	36.3	54.5



#32
Benzoic acid
Concen: 8.241 ng
RT: 10.22 min Scan# 1213
Delta R.T. 0.08 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Tgt Ion	122	Resp	162
Ion Ratio	Lower	Upper	
122	100		
105	109.3	99.6	139.6
77	66.3	59.5	99.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

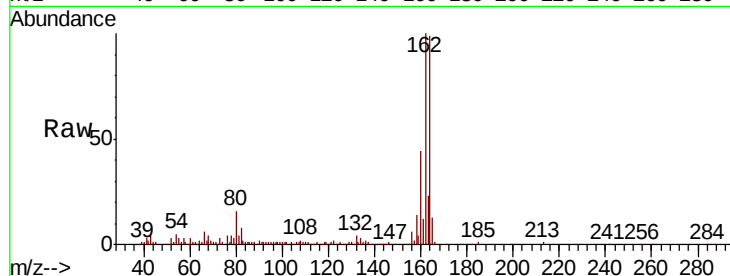
Tot Ion:164 Resp: 147810

Ion Ratio Lower Upper

164 100

162 100.8 79.9 119.9

160 44.0 34.3 51.5

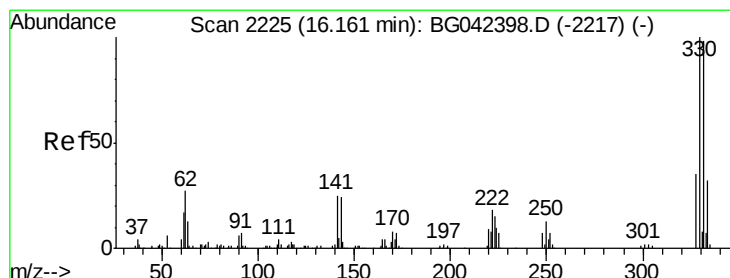
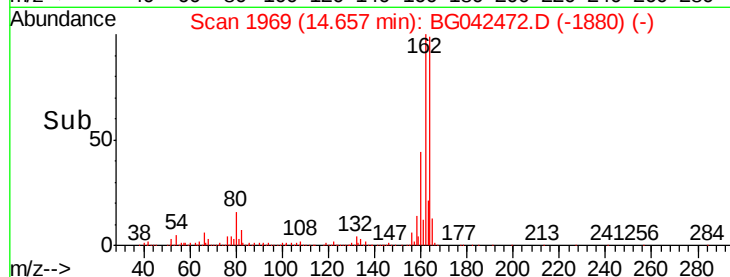
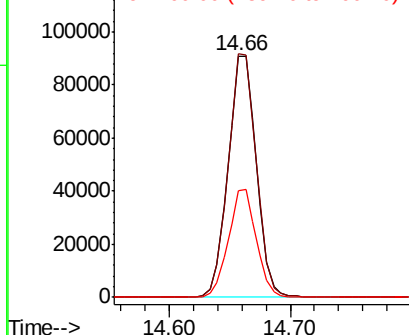


Abundance

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: 135.167 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

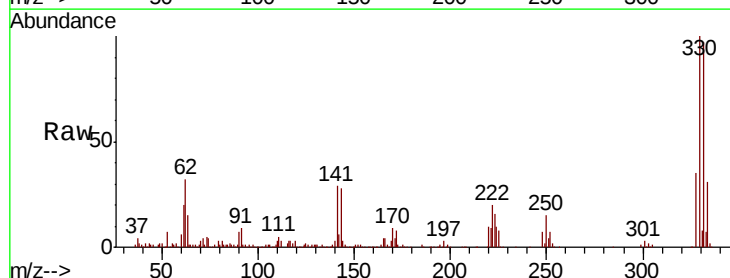
Tgt Ion:330 Resp: 283970

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 30.0 21.4 32.0

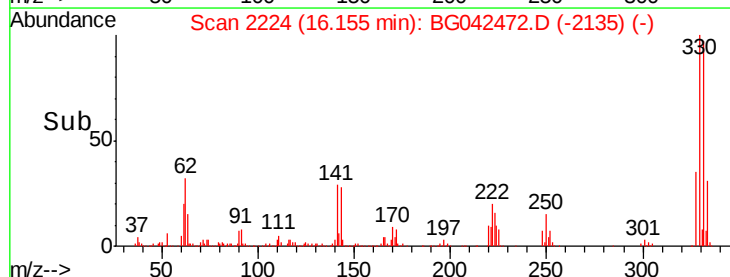
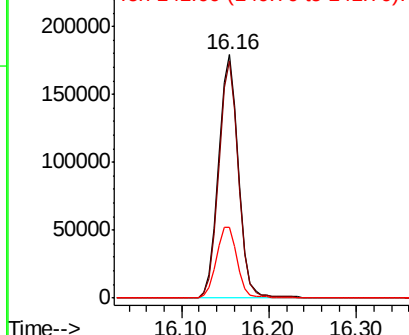


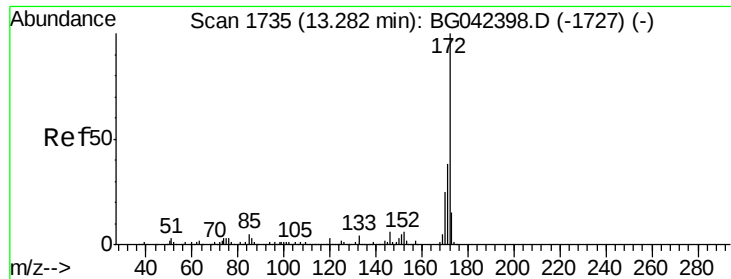
Abundance

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

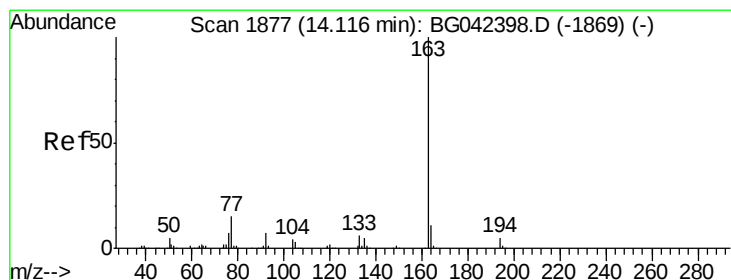
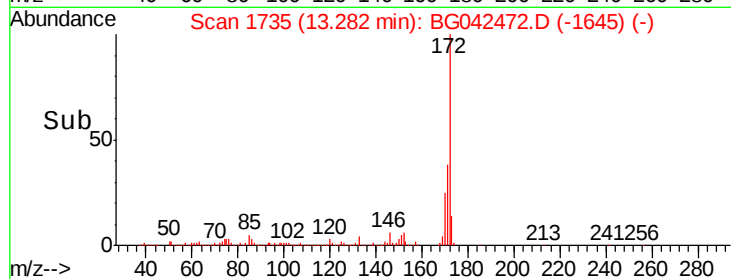
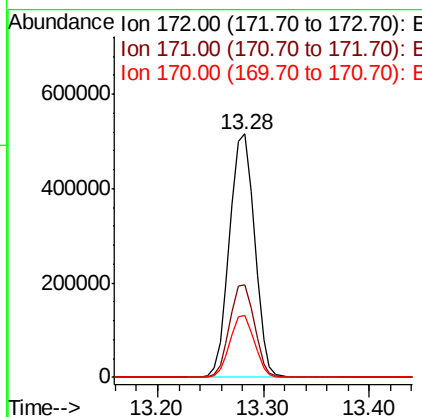
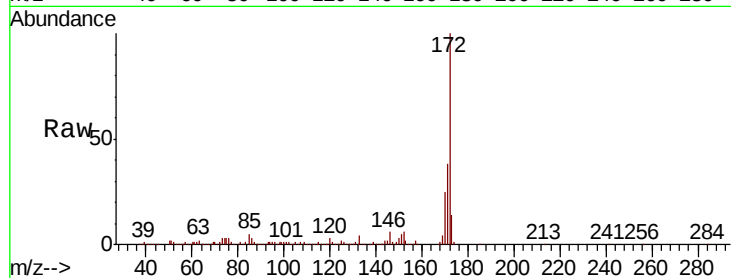




#45
2-Fluorobiphenyl
Concen: 96.954 ng
RT: 13.28 min Scan# 1735
Delta R.T. 0.00 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

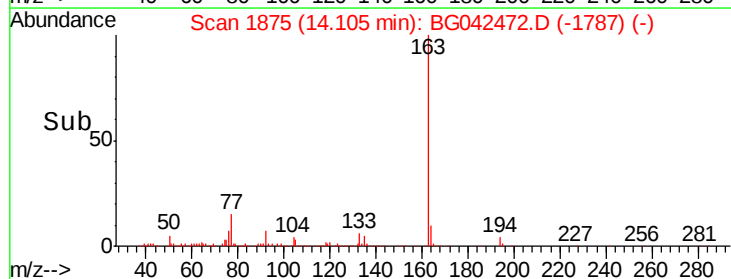
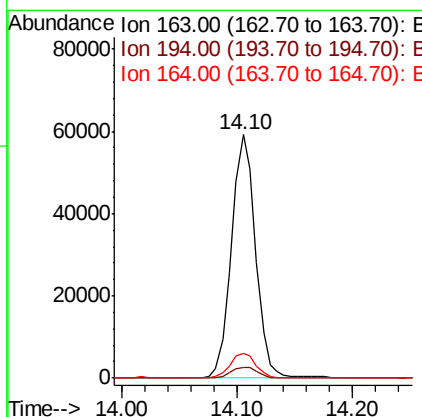
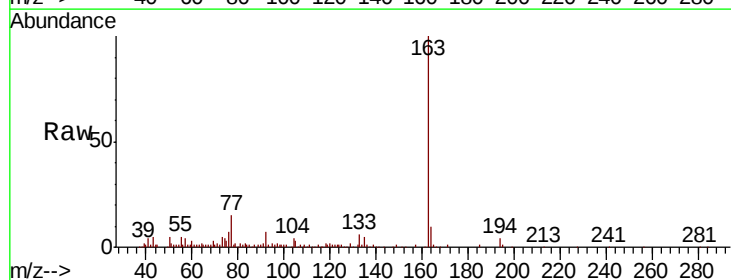
Instrument :
BNA_G
ClientSampleId :

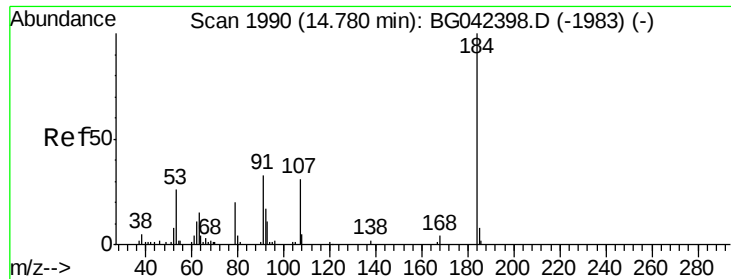
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	25.4	20.2	30.2



#50
Dimethylphthalate
Concen: 8.029 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	4.2	6.2
164	10.0	8.8	13.2

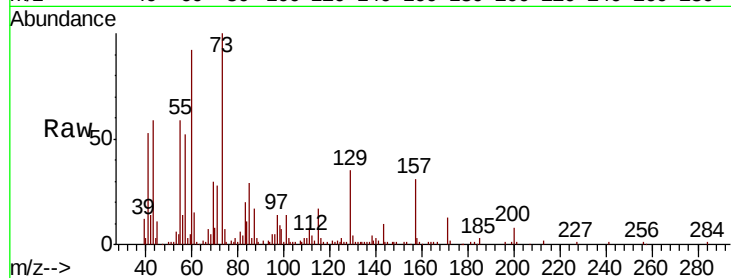




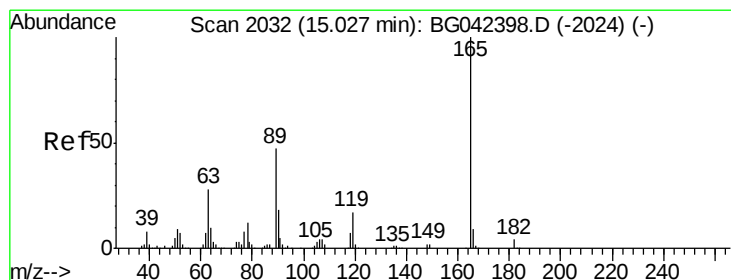
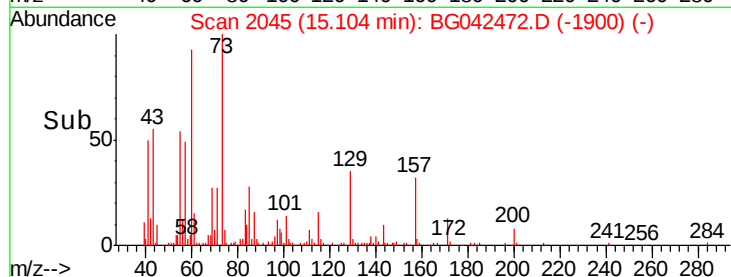
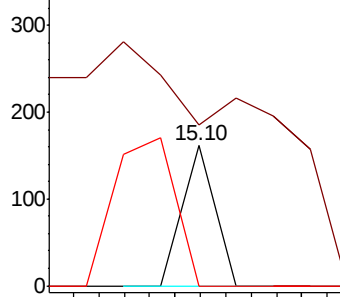
#54
2,4-Dinitrophenol
Concen: 6.293 ng
RT: 15.10 min Scan# 2045
Delta R.T. 0.32 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 114.9 31.7 47.5#
154 0.0 42.0 63.0#

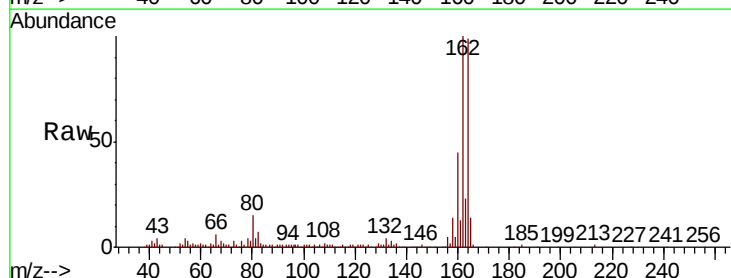


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

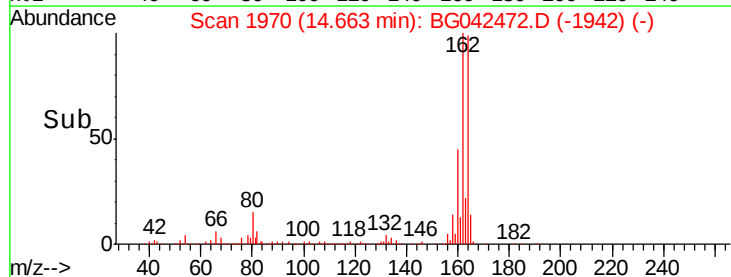
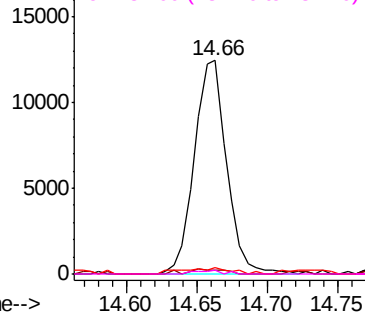


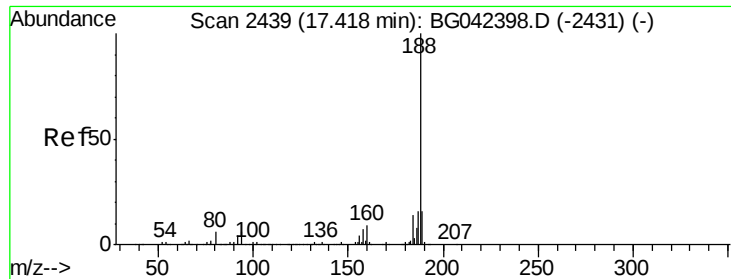
#57
2,4-Dinitrotoluene
Concen: 5.637 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG042472.D
Acq: 25 Aug 2019 11:19

Tgt Ion:165 Resp: 19956
Ion Ratio Lower Upper
165 100
63 1.6 22.5 33.7#
89 2.8 37.8 56.6#
182 1.8 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: BG042472.D

Acq: 25 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

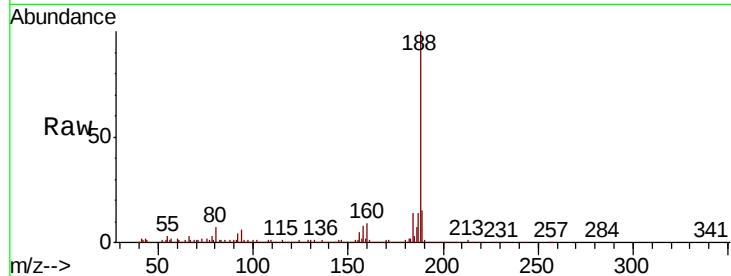
Tot Ion:188 Resp: 338835

Ion Ratio Lower Upper

188 100

94 6.5 4.5 6.7

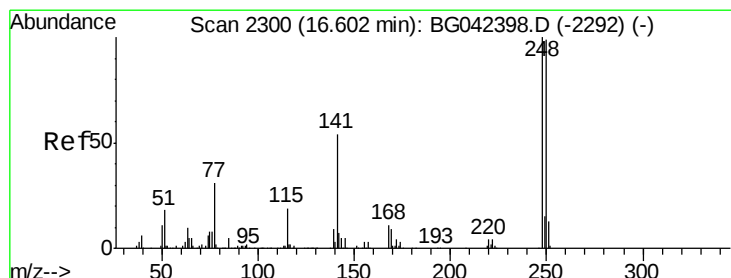
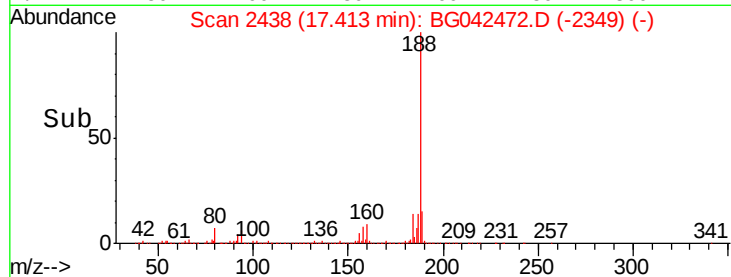
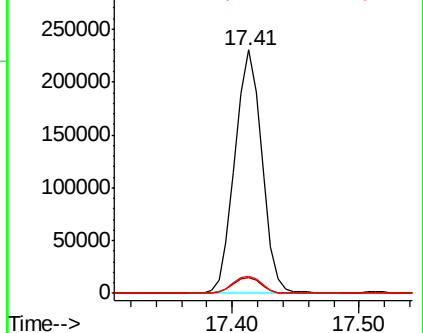
80 7.1 4.9 7.3



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: 4.787 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

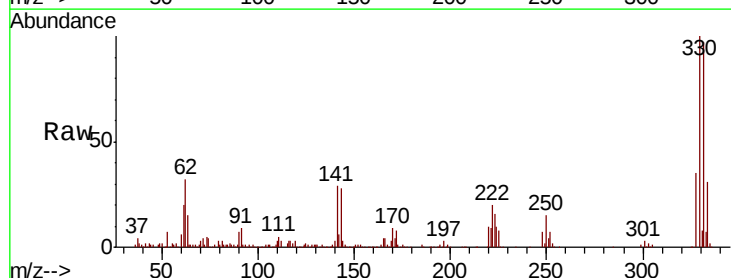
Tgt Ion:248 Resp: 20574

Ion Ratio Lower Upper

248 100

250 201.4 78.9 118.3#

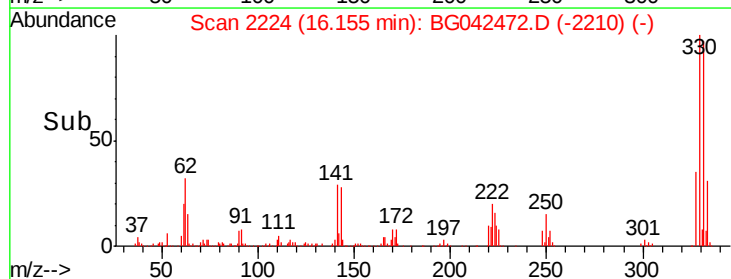
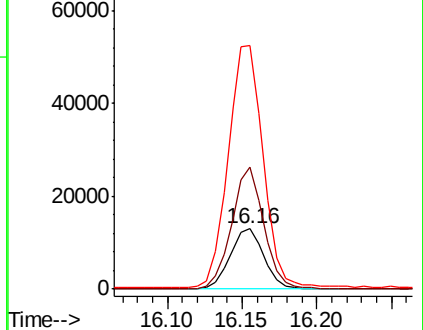
141 402.5 43.3 64.9#

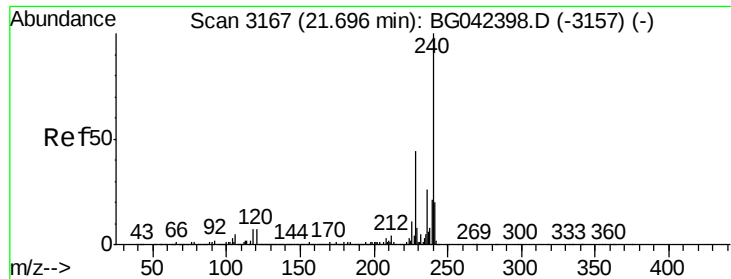


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

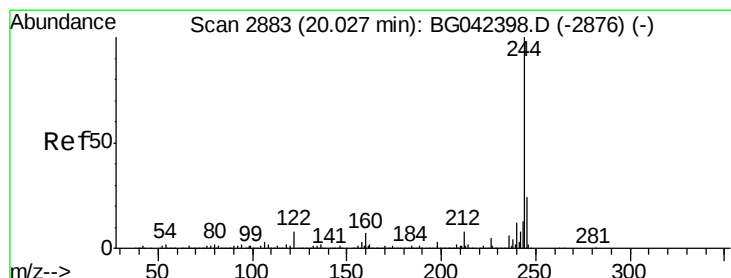
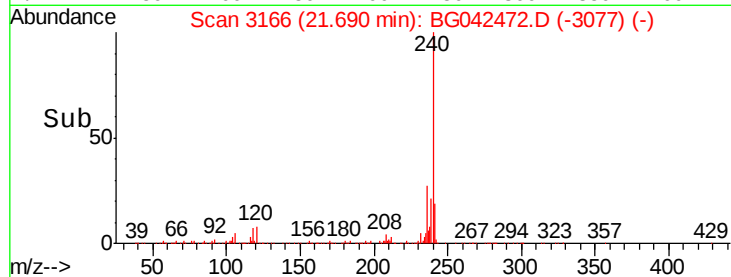
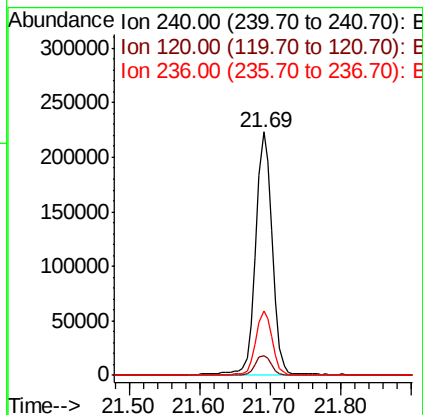
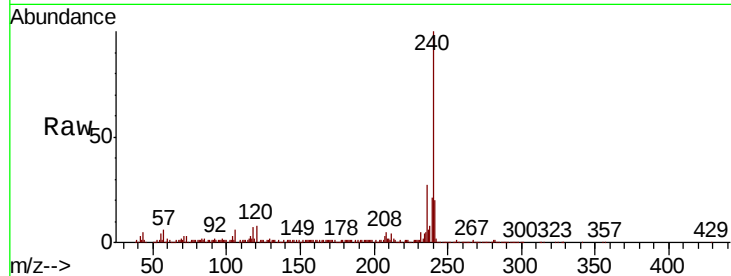




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG042472.D
 Acq: 25 Aug 2019 11:19

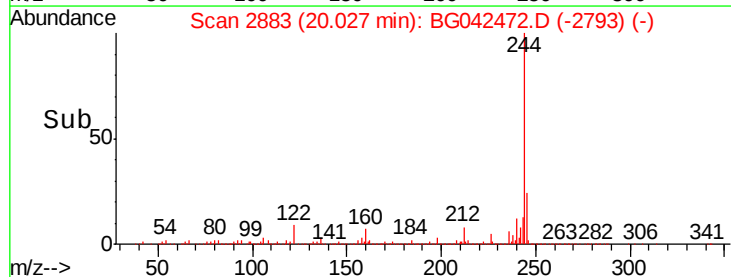
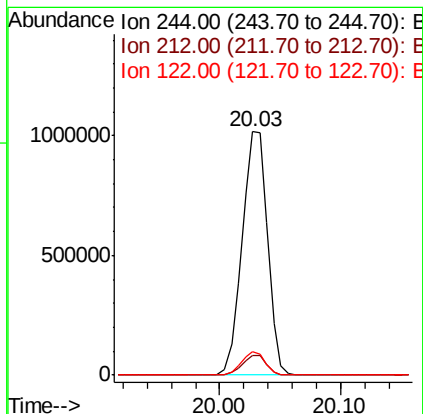
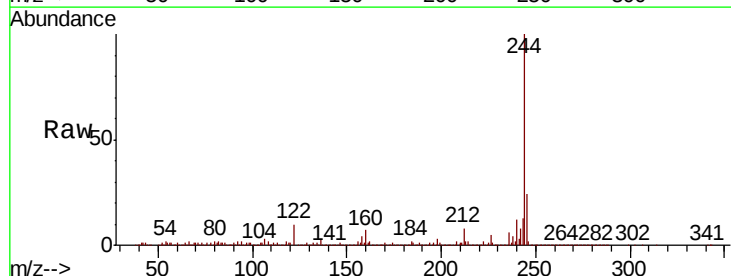
Instrument :
 BNA_G
 ClientSampleId :

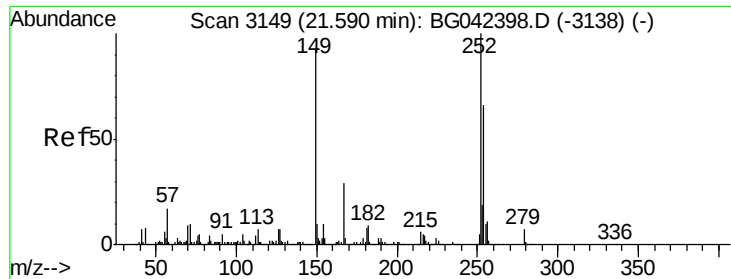
Tot Ion:240 Resp: 364719
 Ion Ratio Lower Upper
 240 100
 120 7.9 5.7 8.5
 236 26.7 21.0 31.4



#79
 Terphenyl-d14
 Concen: 88.559 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. 0.00 min
 Lab File: BG042472.D
 Acq: 25 Aug 2019 11:19

Tgt Ion:244 Resp: 1494001
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.0 9.0
 122 9.5 6.7 10.1





#82

3,3'-Dichlorobenzidine

Concen: 2.038 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.06 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

Instrument :

BNA_G

ClientSampleId :

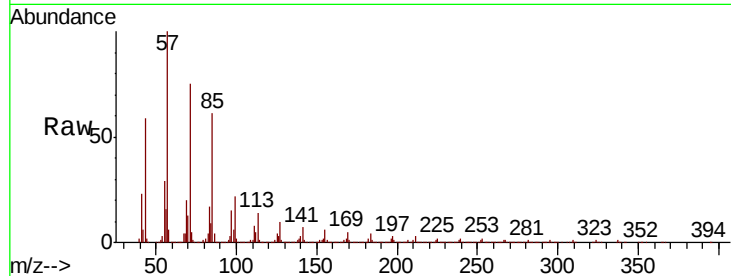
Tot Ion:252 Resp: 18184

Ion Ratio Lower Upper

252 100

254 41.0 53.0 79.4#

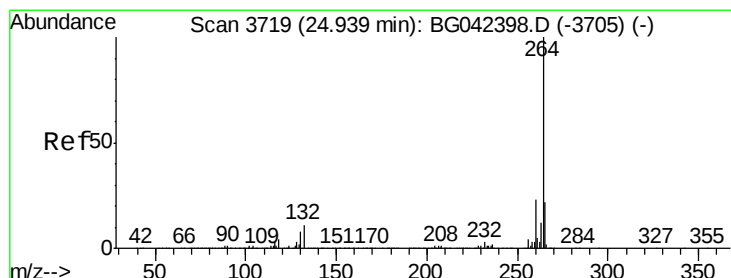
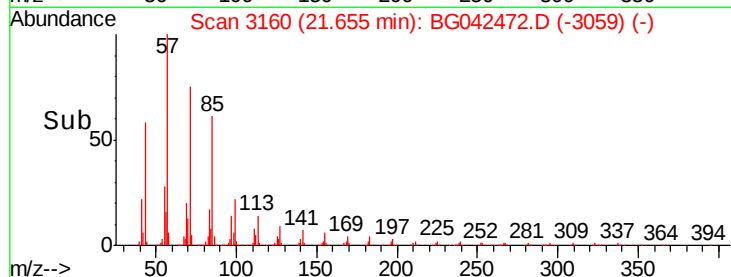
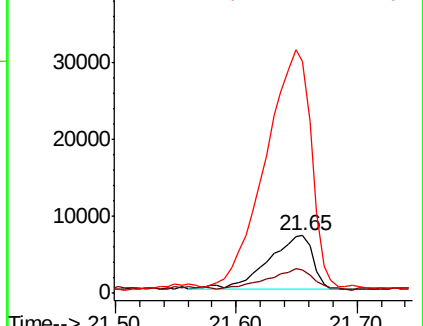
126 400.8 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042472.D

Acq: 25 Aug 2019 11:19

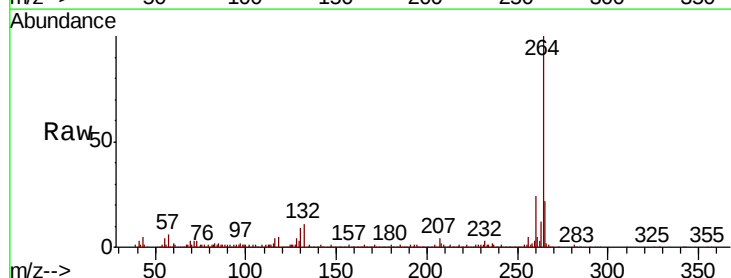
Tgt Ion:264 Resp: 433147

Ion Ratio Lower Upper

264 100

260 24.3 18.5 27.7

265 22.1 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

