

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042648.D
 Acq On : 1 Sep 2019 1:30
 Operator : HP/JU
 Sample : K4548-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 01 02:29:55 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	34299	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	124855	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	90904	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	218490	20.00	ng	0.00
76) Chrysene-d12	21.68	240	251534	20.00	ng	-0.02
87) Perylene-d12	24.92	264	287533	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	216832	128.04	ng	0.00
7) Phenol-d6	7.16	99	250656	109.57	ng	0.00
23) Nitrobenzene-d5	9.17	82	181170	100.27	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	187260	144.93	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	579572	107.83	ng	0.00
79) Terphenyl-d14	20.02	244	1197870	102.96	ng	0.00

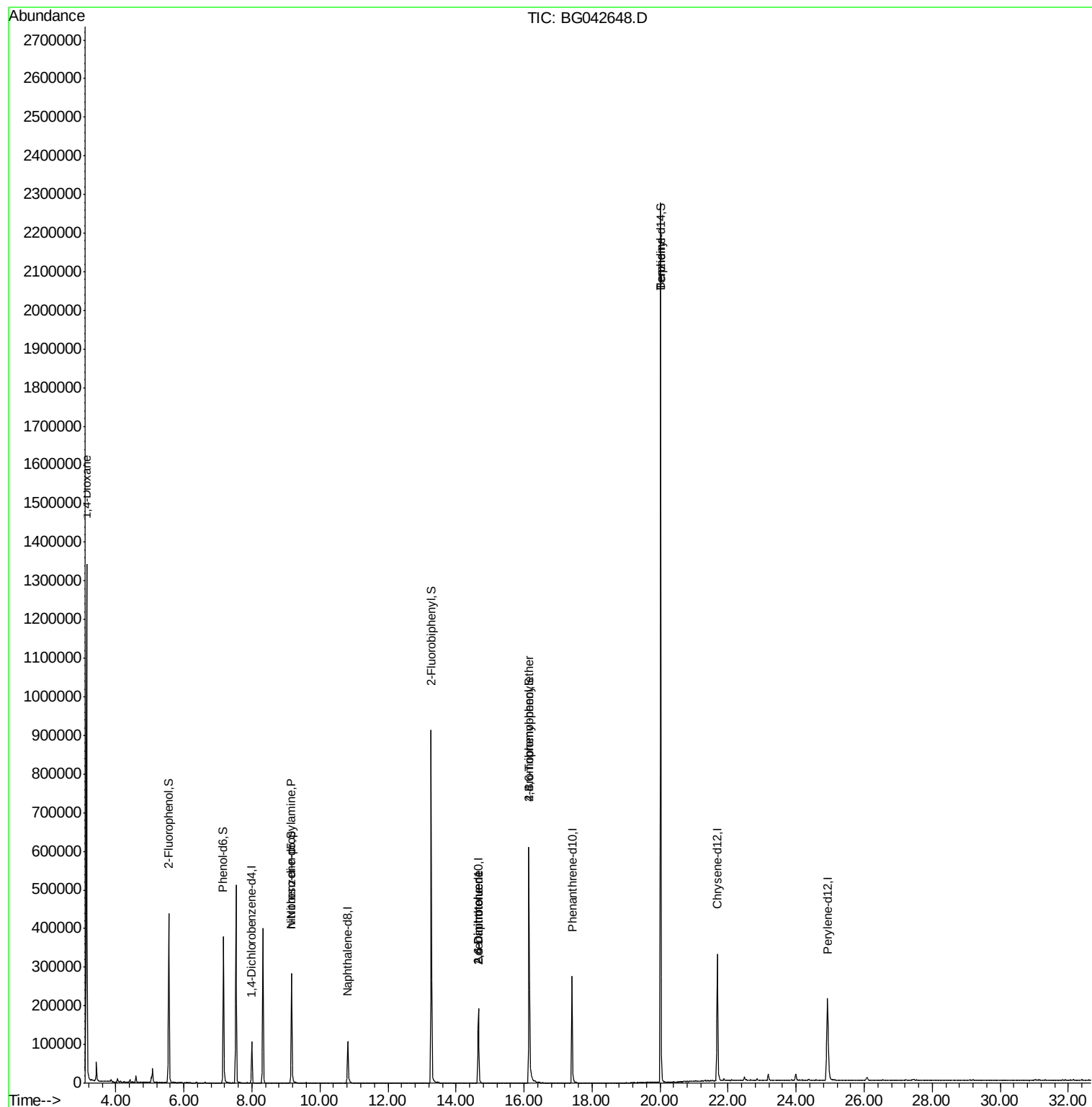
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	15095	21.358	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	23813	16.068	ng	# 75
51) 2,6-Dinitrotoluene	14.65	165	12063	7.934	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	12063	5.541	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	12398	4.474	ng	# 1
77) Benzidine	20.02	184	15265	2.117	ng	# 95

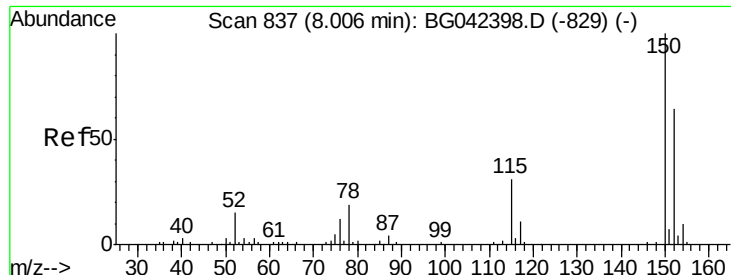
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampled :

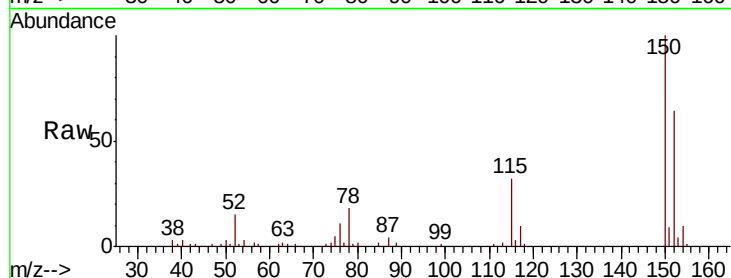
Tot Ion:152 Resp: 34299

Ion Ratio Lower Upper

152 100

150 155.2 125.4 188.0

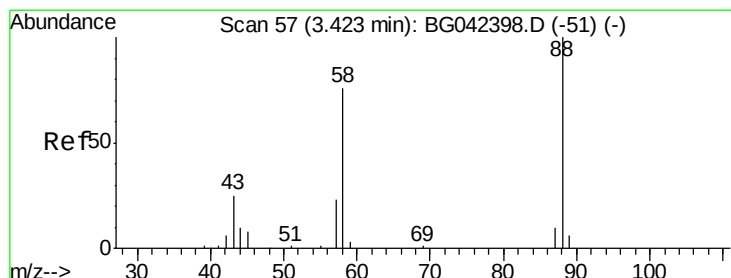
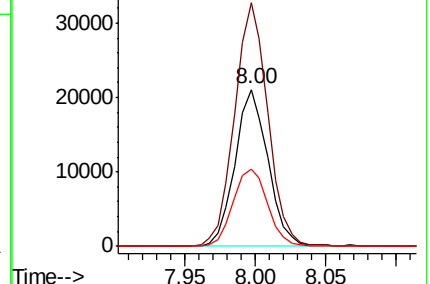
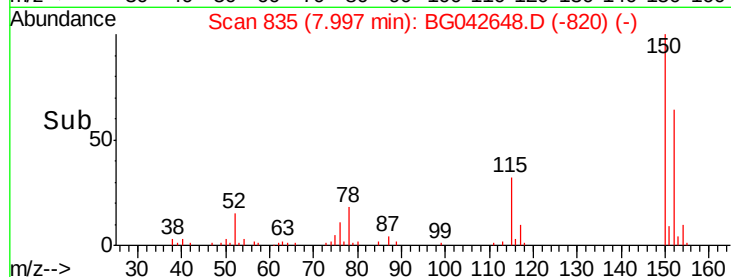
115 49.1 38.5 57.7



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: 21.358 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

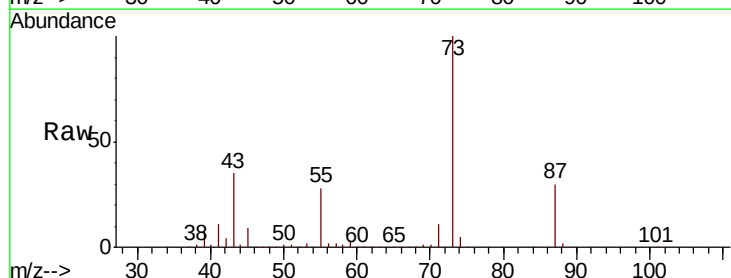
Tgt Ion: 88 Resp: 15095

Ion Ratio Lower Upper

88 100

58 26.9 58.3 87.5#

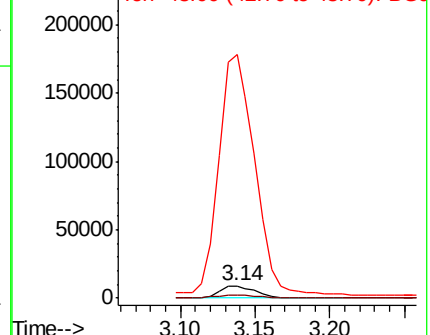
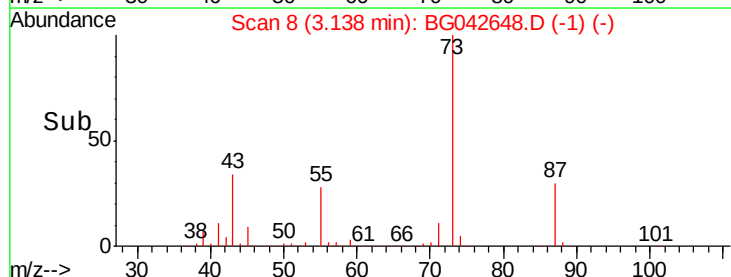
43 1978.1 20.2 30.2#

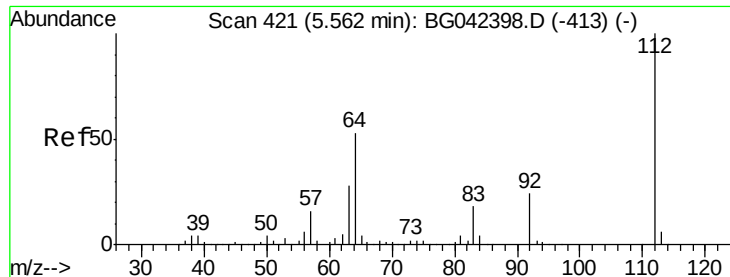


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 128.035 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampled :

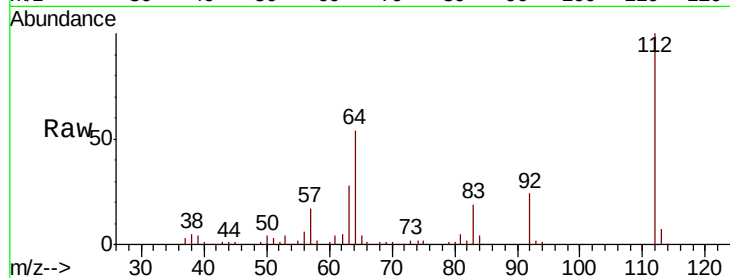
Tot Ion: 112 Resp: 216832

Ion Ratio Lower Upper

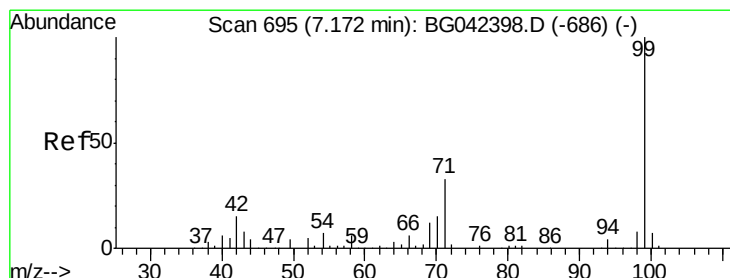
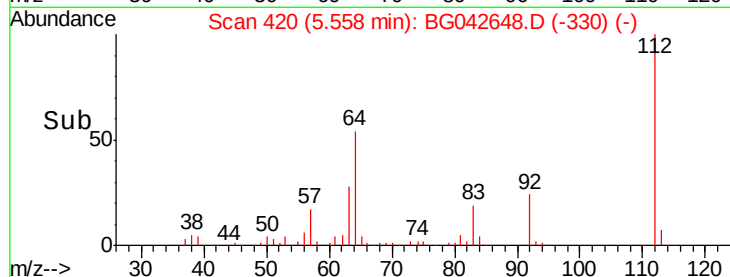
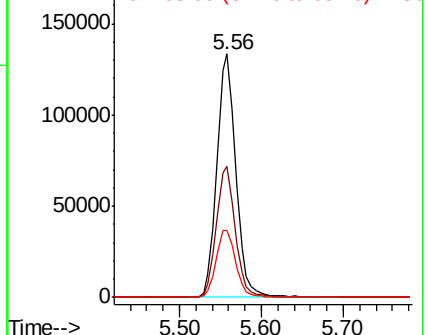
112 100

64 54.0 42.8 64.2

63 27.7 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: 109.572 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

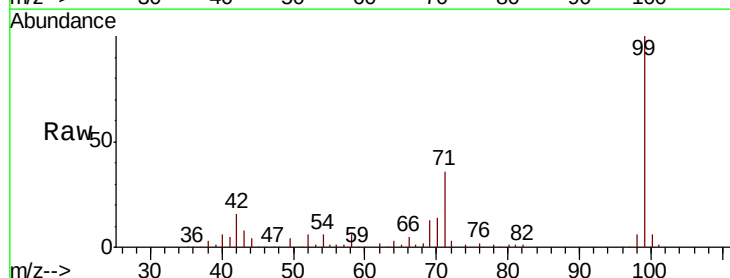
Tgt Ion: 99 Resp: 250656

Ion Ratio Lower Upper

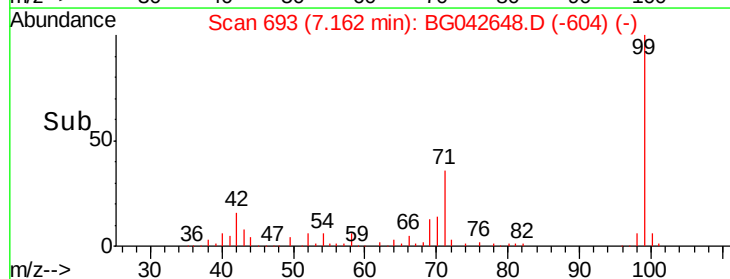
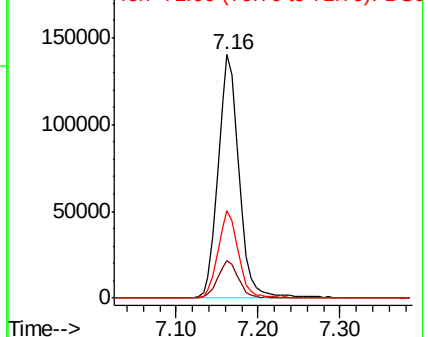
99 100

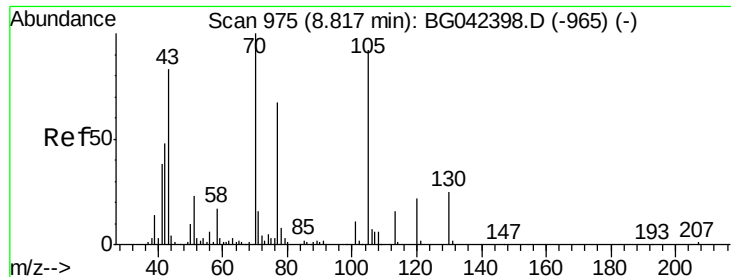
42 15.6 12.0 18.0

71 35.7 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

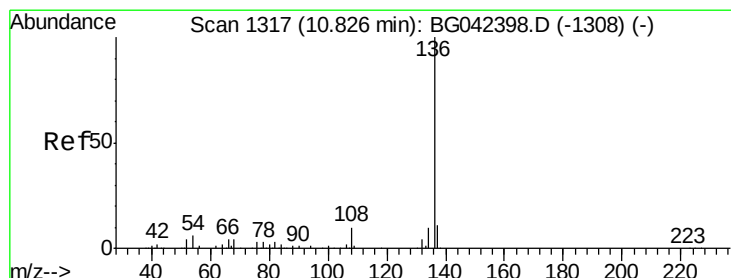
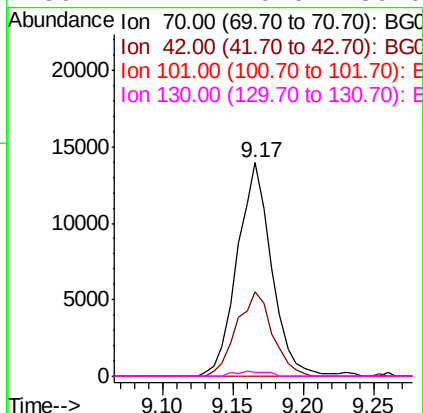
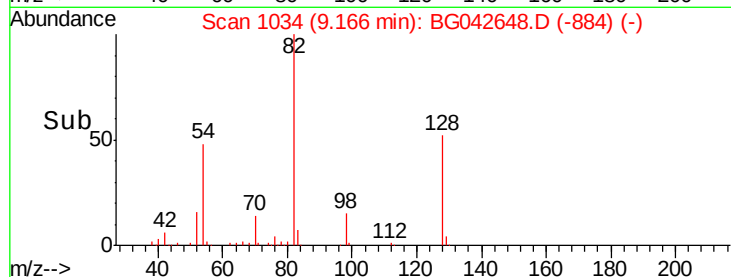
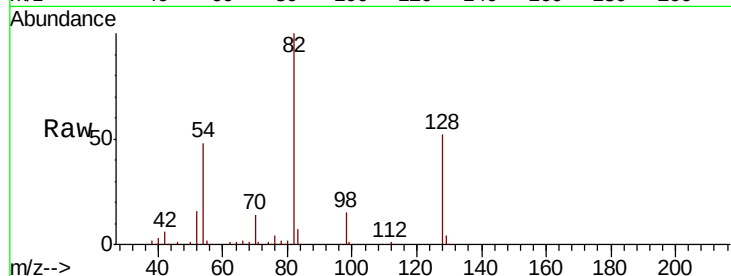




#19
n-Nitroso-di-n-propylamine
Concen: 16.068 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042648.D
Acq: 1 Sep 2019 1:30

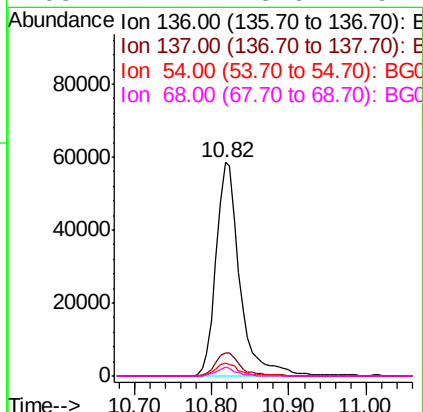
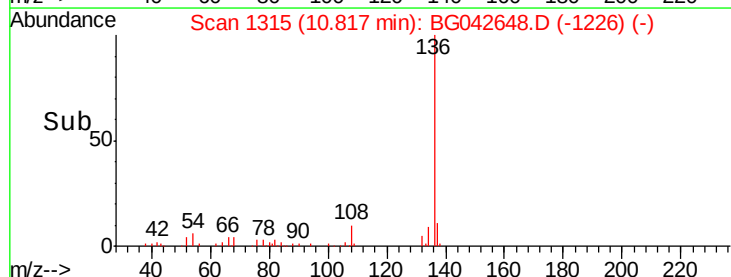
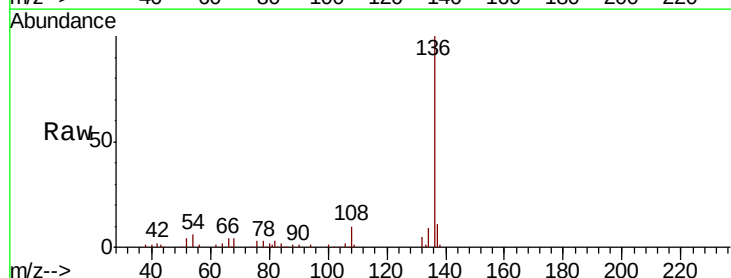
Instrument :
BNA_G
ClientSampleId :

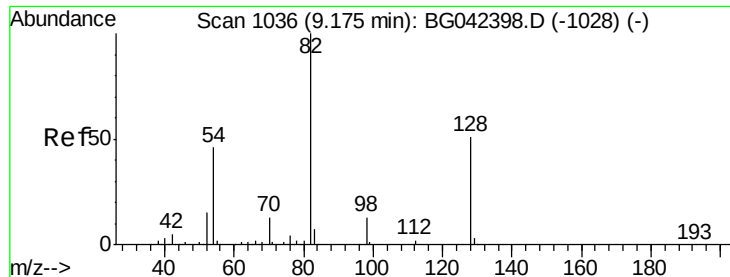
Tot Ion: 70 Resp: 23813
Ion Ratio Lower Upper
70 100
42 39.3 38.8 58.2
101 0.0 9.0 13.6#
130 1.7 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042648.D
Acq: 1 Sep 2019 1:30

Tgt Ion: 136 Resp: 124855
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.1 4.9 7.3
68 4.2 3.6 5.4

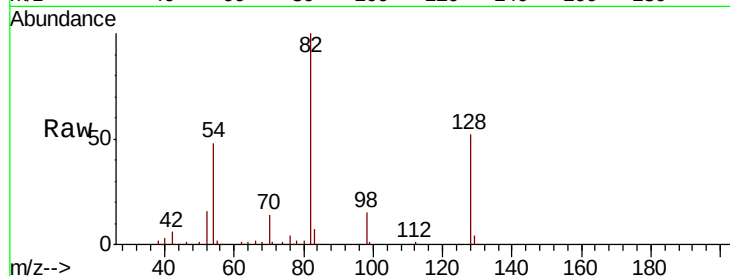




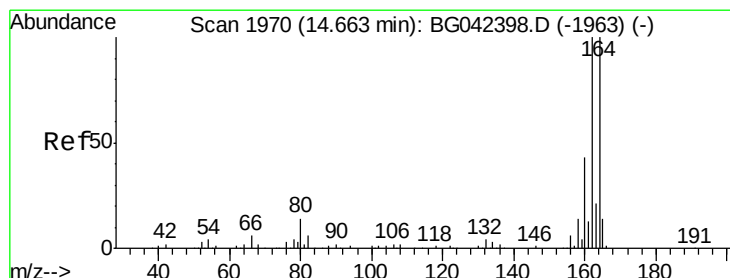
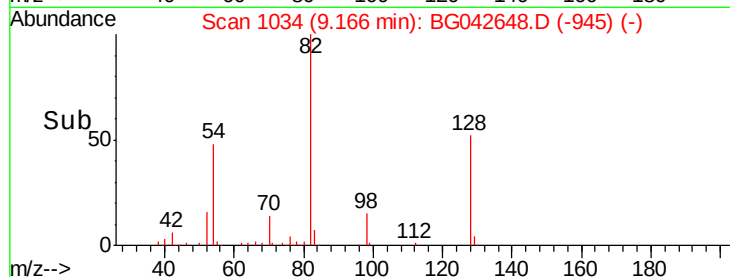
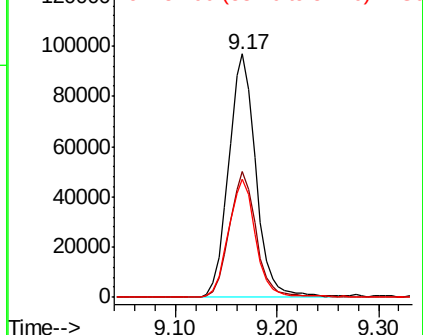
#23
 Nitrobenzene-d5
 Concen: 100.273 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042648.D
 Acq: 1 Sep 2019 1:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 181170
 Ion Ratio Lower Upper
 82 100
 128 51.9 40.7 61.1
 54 48.3 36.3 54.5

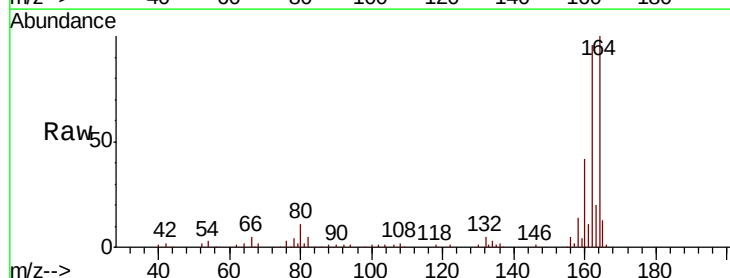


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

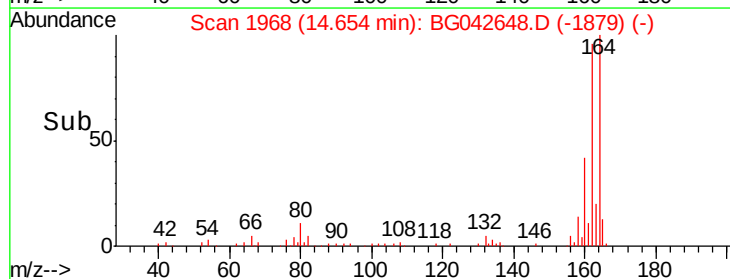
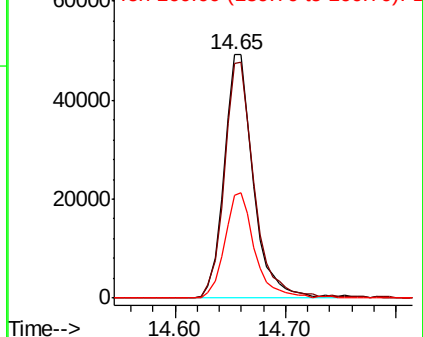


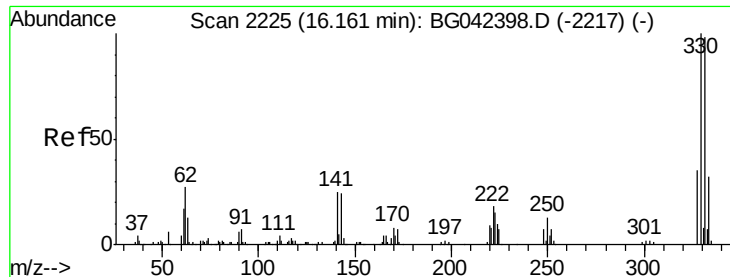
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG042648.D
 Acq: 1 Sep 2019 1:30

Tgt Ion:164 Resp: 90904
 Ion Ratio Lower Upper
 164 100
 162 96.4 79.9 119.9
 160 42.5 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: 144.932 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampleId :

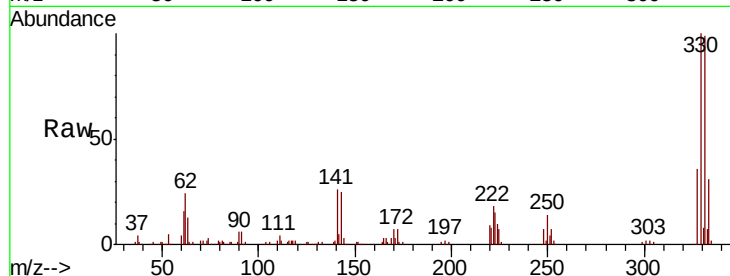
Tot Ion:330 Resp: 187260

Ion Ratio Lower Upper

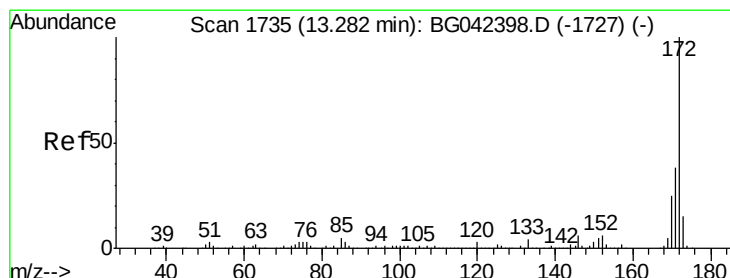
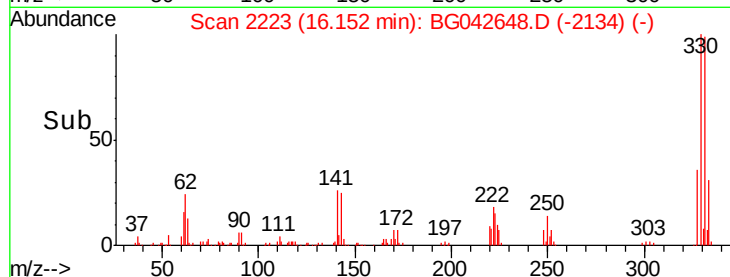
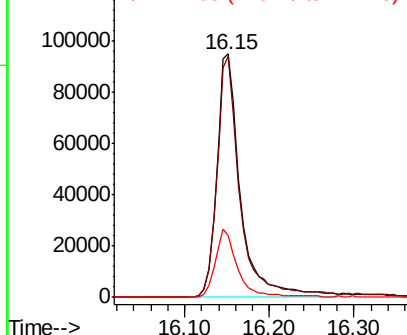
330 100

332 96.6 77.4 116.0

141 26.9 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: 107.830 ng

RT: 13.27 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

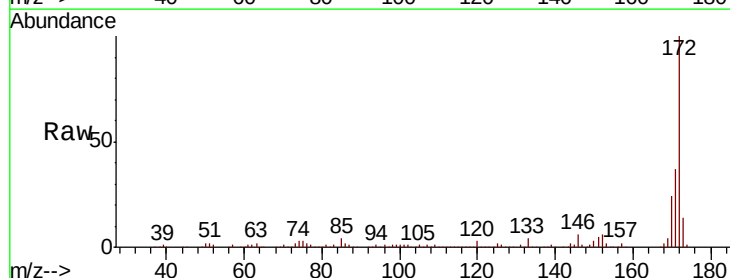
Tgt Ion:172 Resp: 579572

Ion Ratio Lower Upper

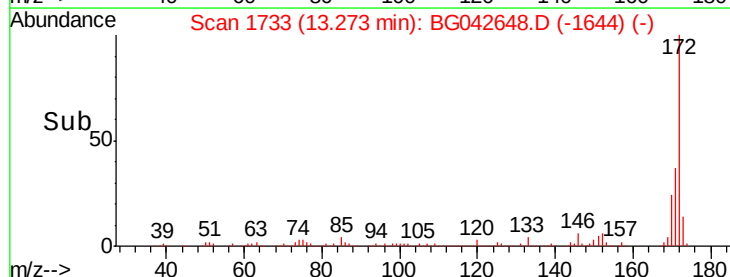
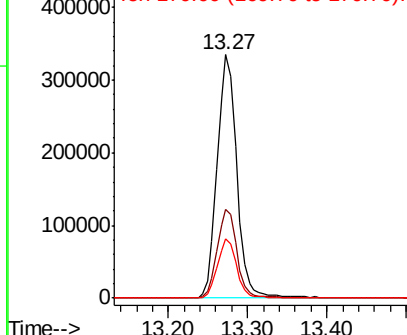
172 100

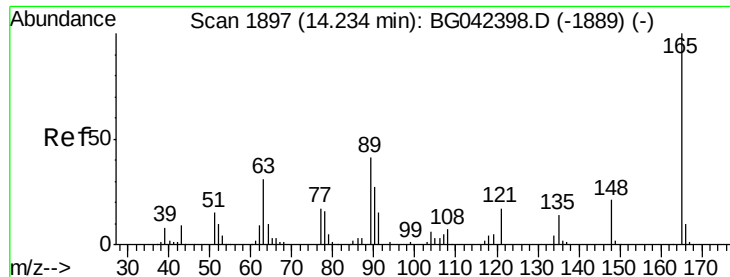
171 36.6 30.5 45.7

170 24.5 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

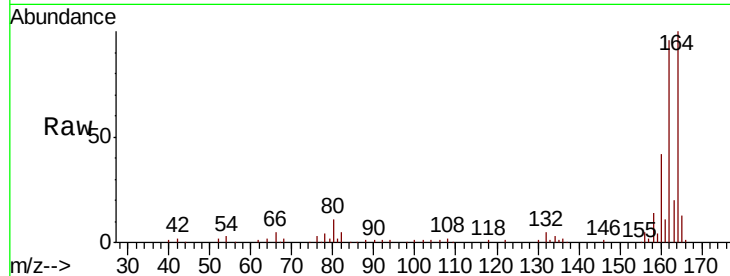




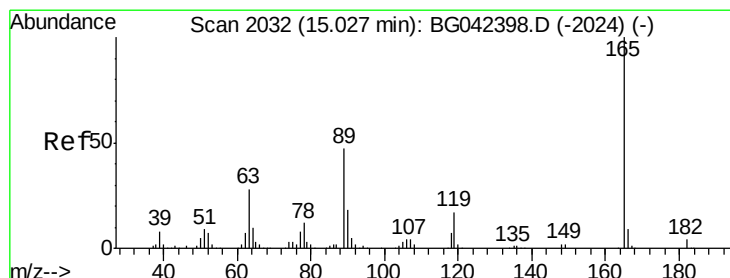
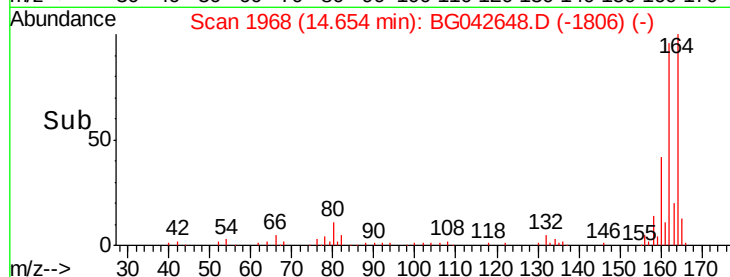
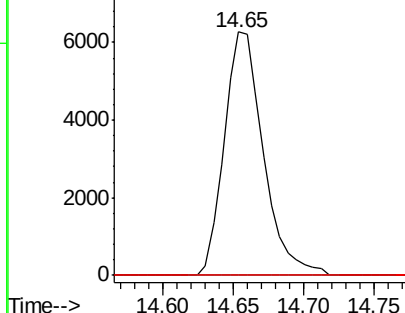
#51
 2,6-Dinitrotoluene
 Concen: 7.934 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042648.D
 Acq: 1 Sep 2019 1:30

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#



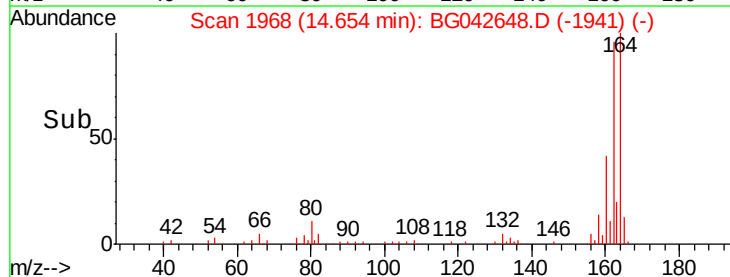
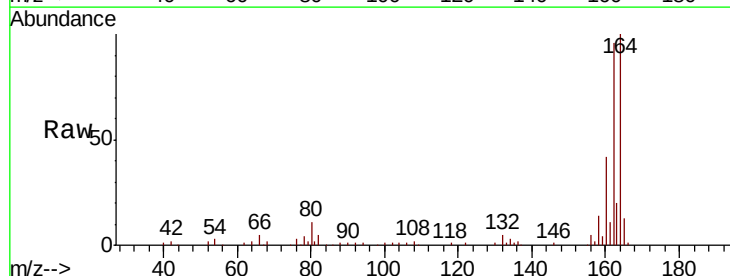
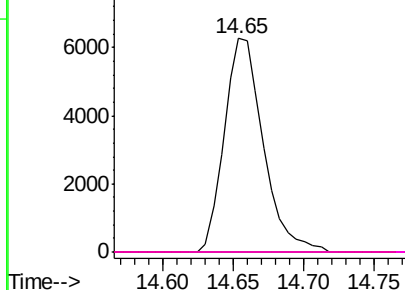
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

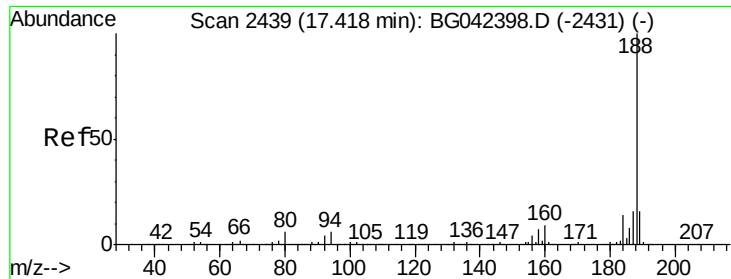


#57
 2,4-Dinitrotoluene
 Concen: 5.541 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG042648.D
 Acq: 1 Sep 2019 1:30

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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampleId :

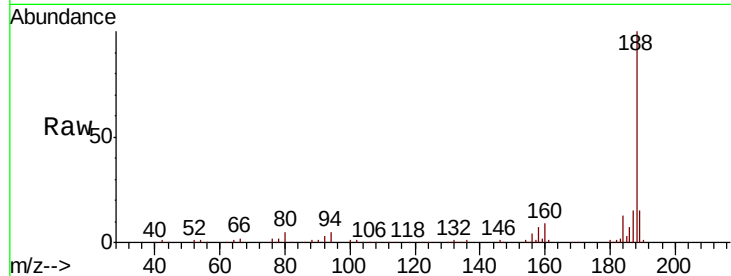
Tot Ion:188 Resp: 218490

Ion Ratio Lower Upper

188 100

94 4.6 4.5 6.7

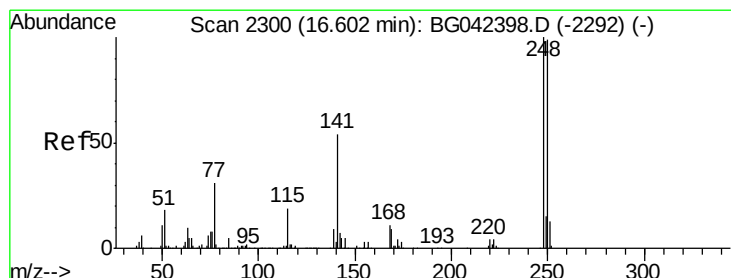
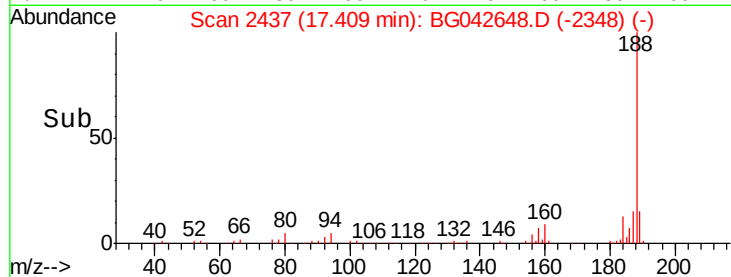
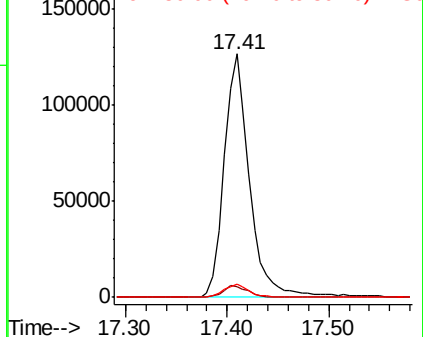
80 5.5 4.9 7.3



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: 4.474 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

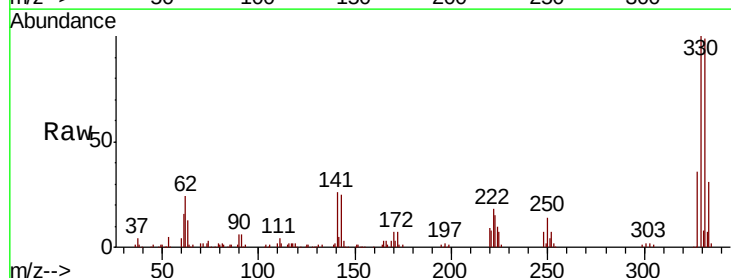
Tgt Ion:248 Resp: 12398

Ion Ratio Lower Upper

248 100

250 196.3 78.9 118.3#

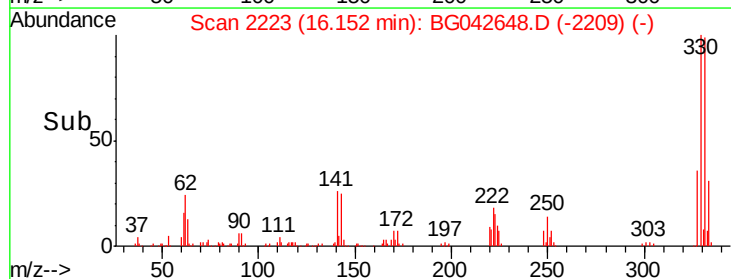
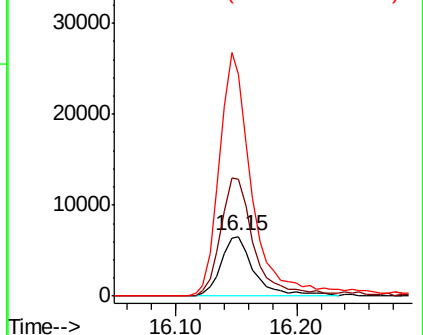
141 371.8 43.3 64.9#

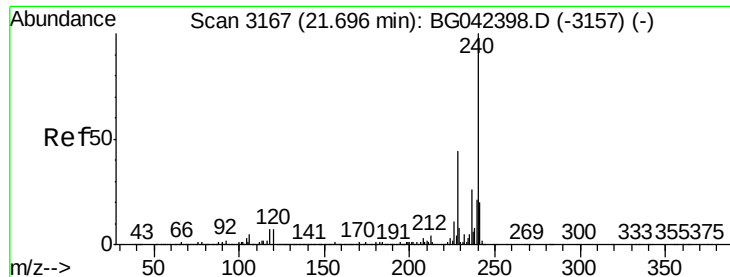


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3164

Delta R.T. -0.02 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampleId :

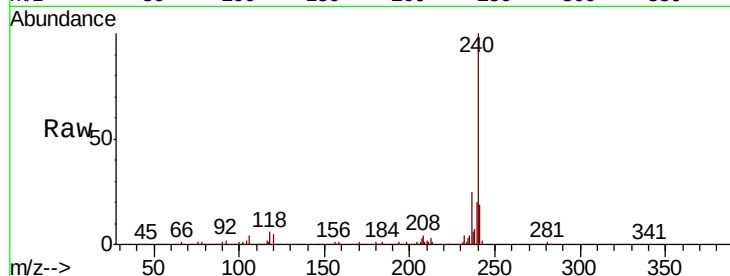
Tot Ion:240 Resp: 251534

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

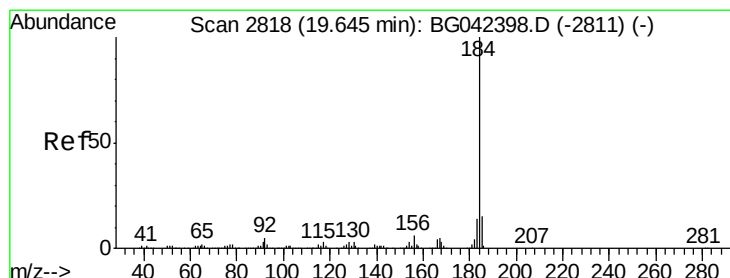
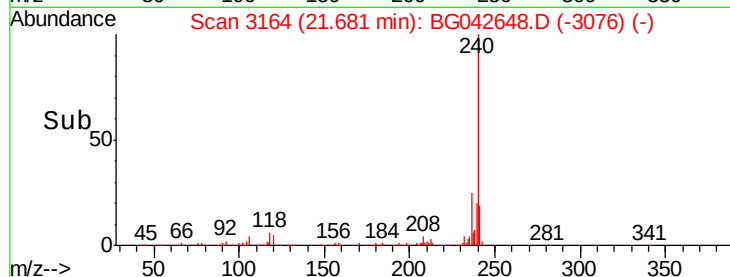
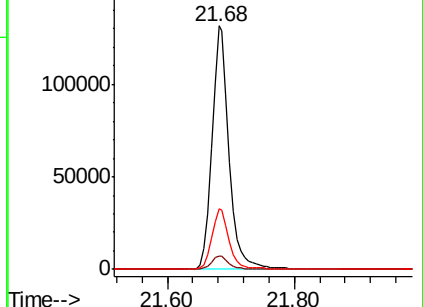
236 24.7 21.0 31.4



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: 2.117 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.37 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

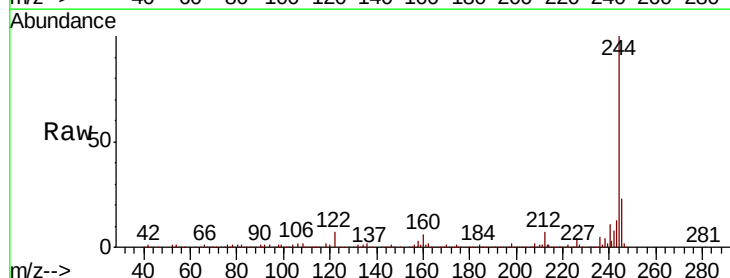
Tgt Ion:184 Resp: 15265

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.4

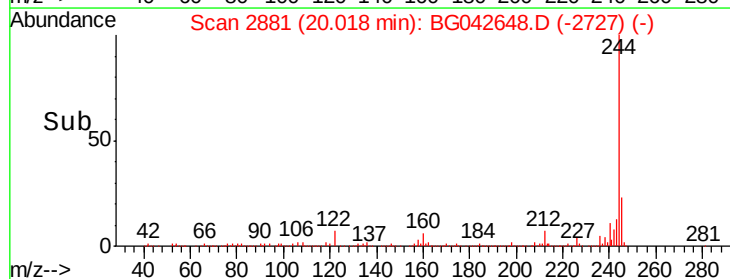
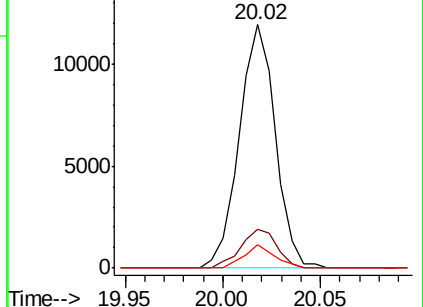
183 9.4 10.8 16.2#

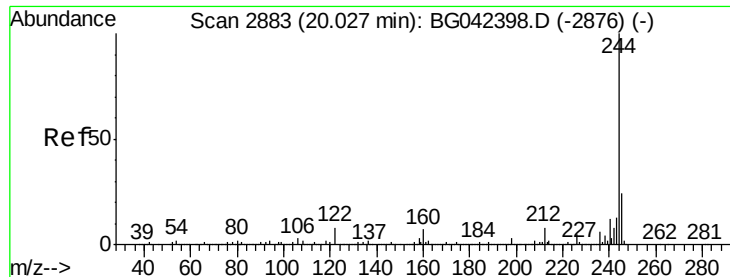


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 102.956 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

Instrument :

BNA_G

ClientSampleId :

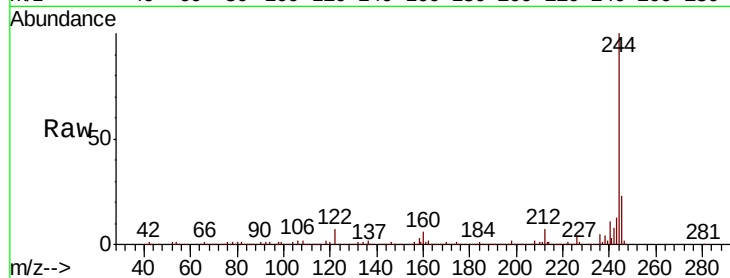
Tot Ion:244 Resp: 1197870

Ion Ratio Lower Upper

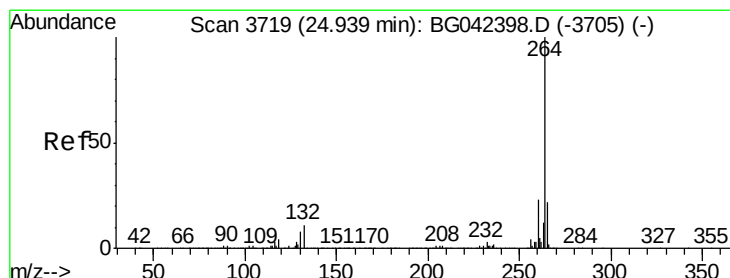
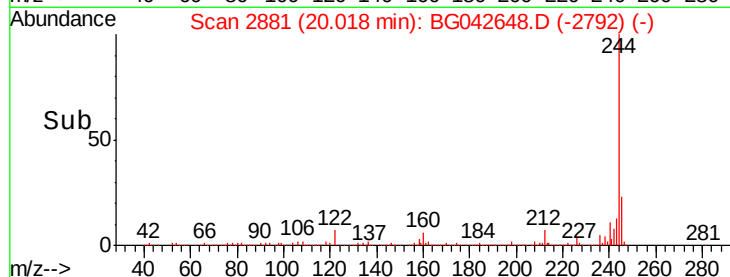
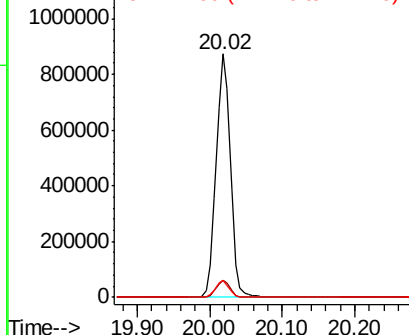
244 100

212 7.2 6.0 9.0

122 7.2 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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042648.D

Acq: 1 Sep 2019 1:30

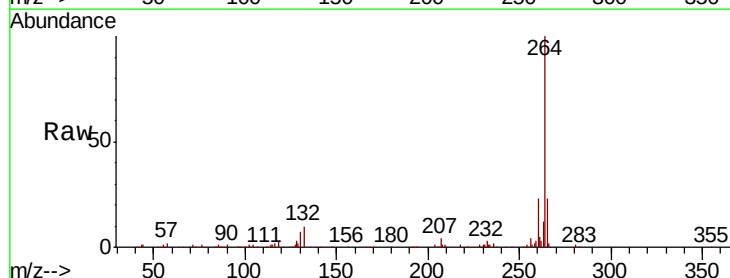
Tgt Ion:264 Resp: 287533

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.8 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

