

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042444.D
 Acq On : 23 Aug 2019 22:00
 Operator : HP/JU
 Sample : K4331-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0648-ELUTRIATE-COMP-B

Quant Time: Aug 24 02:11:20 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

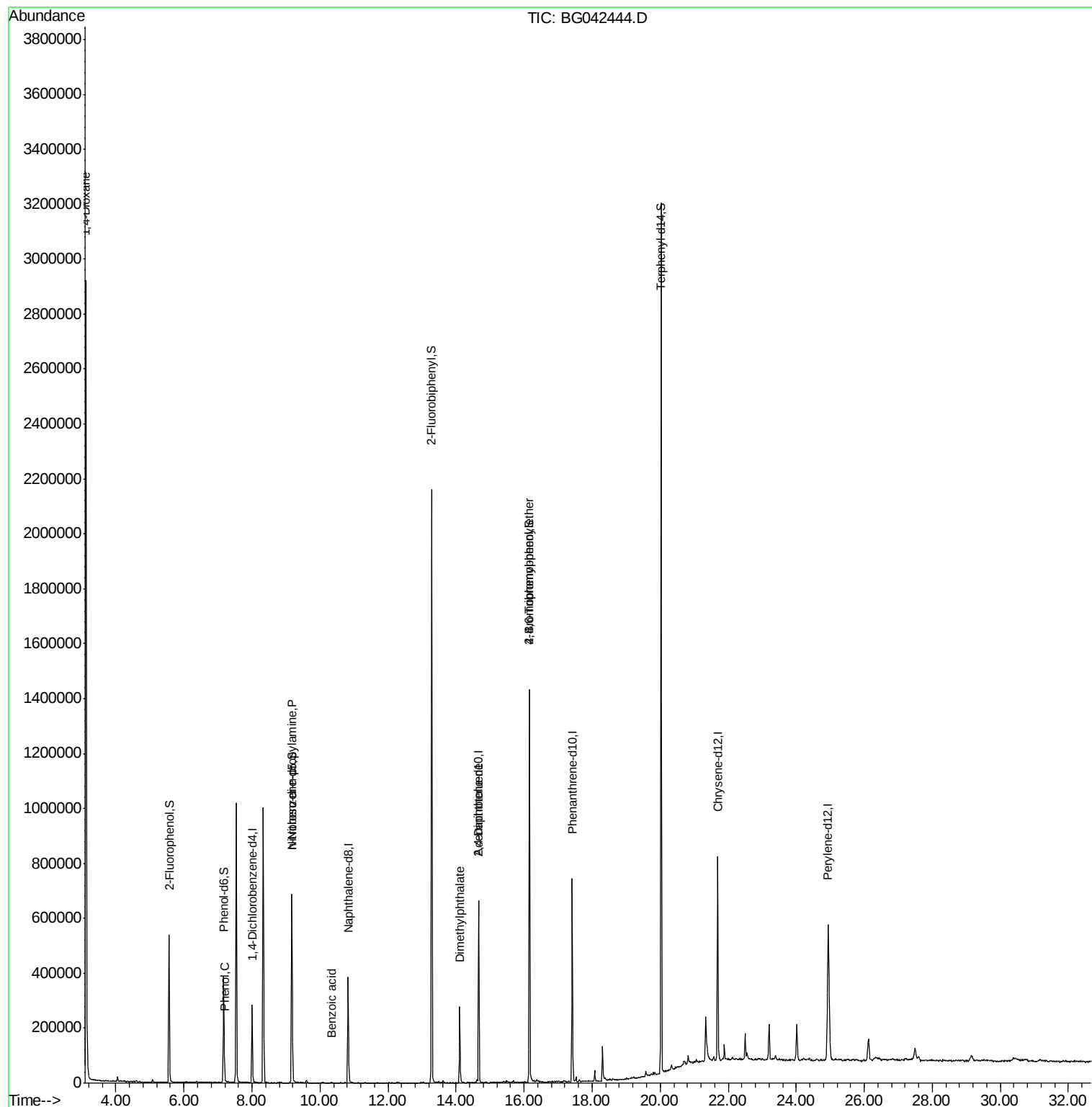
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	97672	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	388034	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	252569	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	503855	20.00	ng	0.00
76) Chrysene-d12	21.69	240	472346	20.00	ng	0.00
87) Perylene-d12	24.94	264	558227	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	283017	58.69	ng	0.00
7) Phenol-d6	7.17	99	276439	42.44	ng	0.00
23) Nitrobenzene-d5	9.17	82	465658	82.93	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	325609	90.70	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1222563	81.87	ng	0.00
79) Terphenyl-d14	20.03	244	1516631	69.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	26779	13.306	ng	Qvalue # 1
10) Phenol	7.19	94	14259	2.153	ng	92
19) n-Nitroso-di-n-propylamine	9.17	70	58749	13.921	ng	# 75
32) Benzoic acid	10.34	122	129	8.199	ng	# 1
50) Dimethylphthalate	14.11	163	222934	12.233	ng	98
57) 2,4-Dinitrotoluene	14.66	165	33465	5.532	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	23940	3.746	ng	# 1

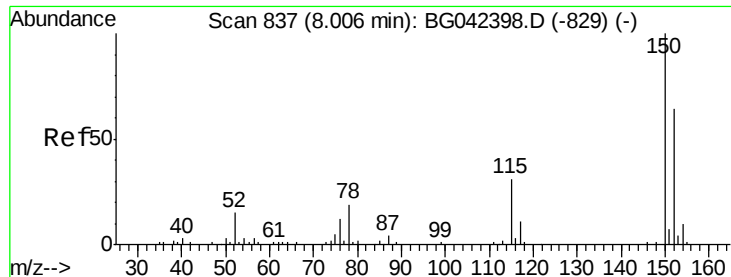
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

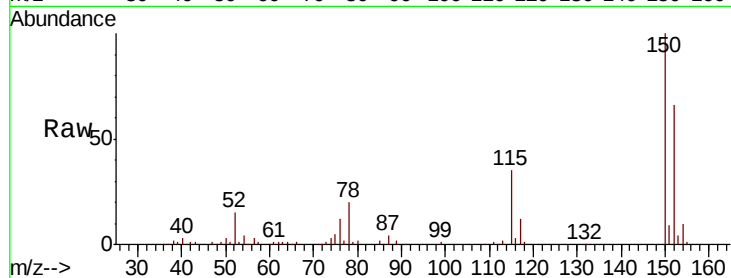
Tgt Ion:152 Resp: 97672

Ion Ratio Lower Upper

152 100

150 151.7 125.4 188.0

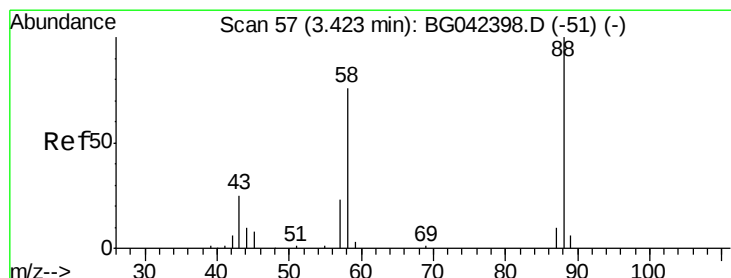
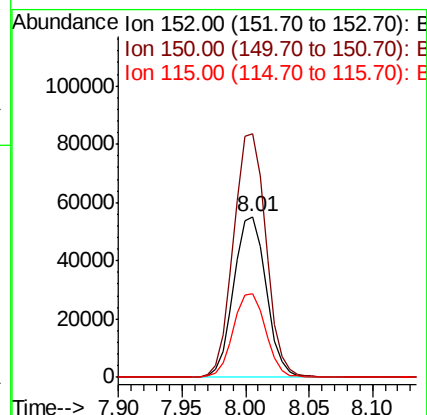
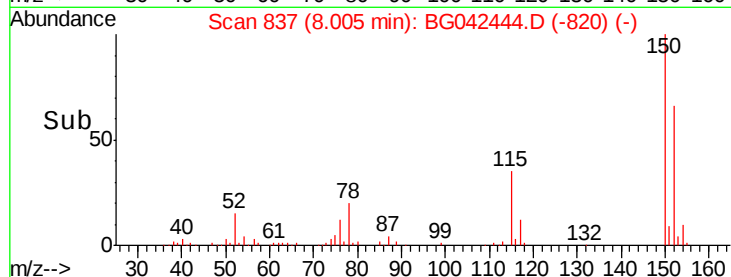
115 52.4 38.5 57.7



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: 13.306 ng

RT: 3.12 min Scan# 5

Delta R.T. -0.31 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

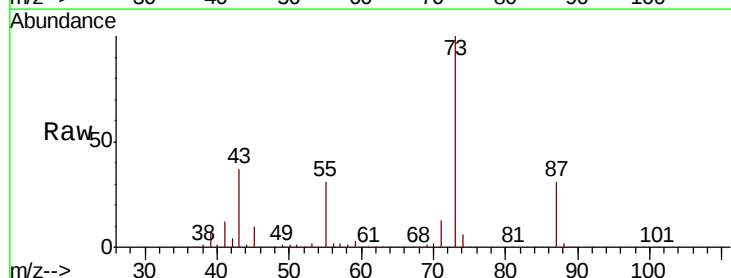
Tgt Ion: 88 Resp: 26779

Ion Ratio Lower Upper

88 100

58 26.5 58.3 87.5#

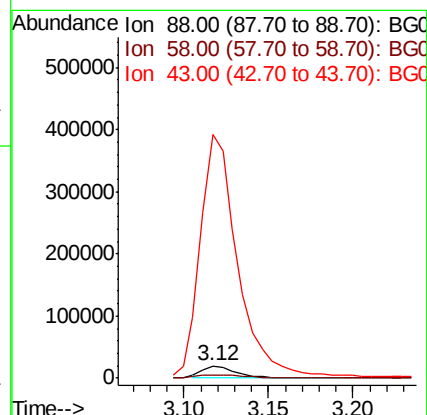
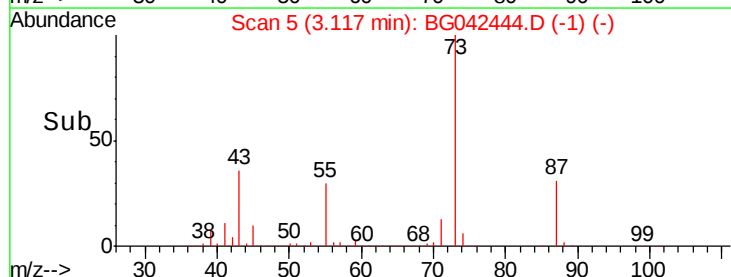
43 2086.3 20.2 30.2#

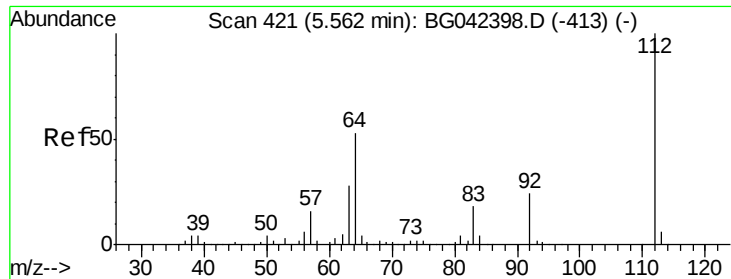


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 58.685 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

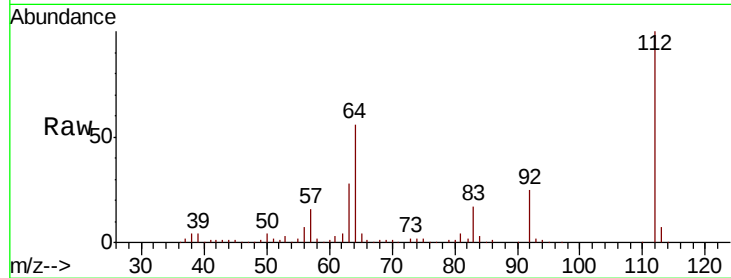
Tgt Ion: 112 Resp: 283017

Ion Ratio Lower Upper

112 100

64 56.3 42.8 64.2

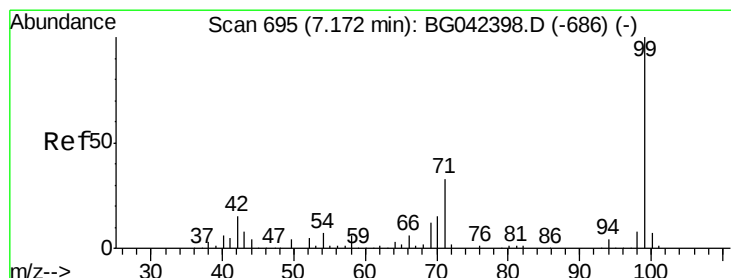
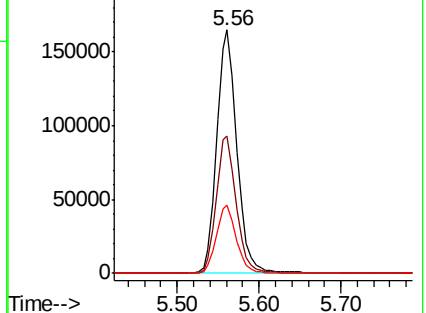
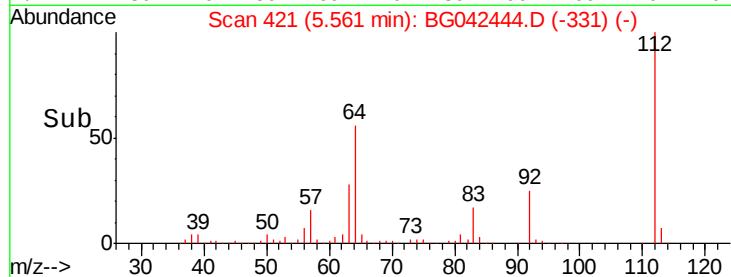
63 28.3 22.7 34.1



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: 42.436 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

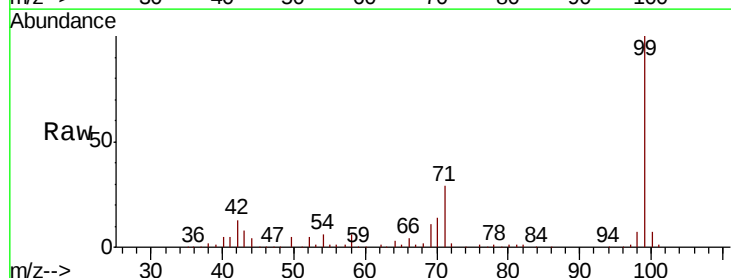
Tgt Ion: 99 Resp: 276439

Ion Ratio Lower Upper

99 100

42 12.9 12.0 18.0

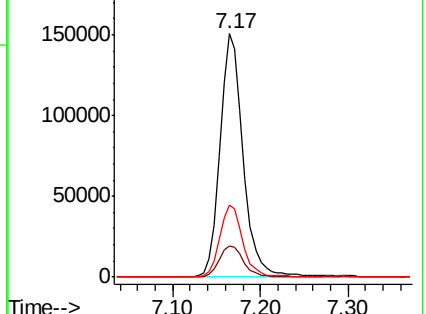
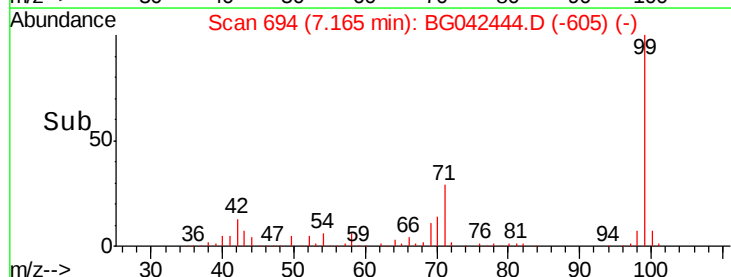
71 29.4 26.3 39.5

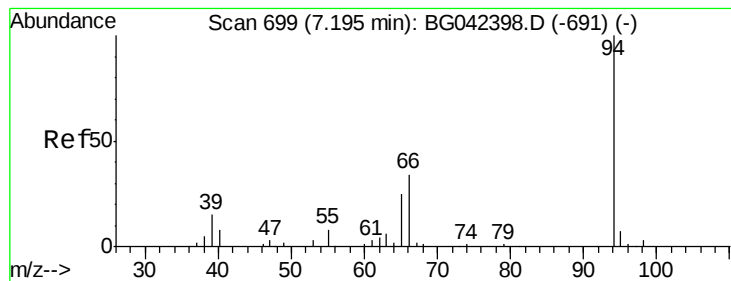


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.153 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

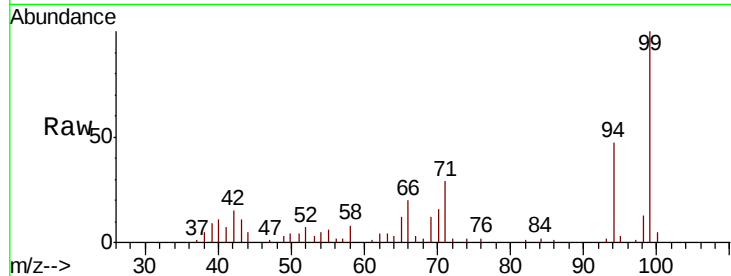
Tgt Ion: 94 Resp: 14259

Ion Ratio Lower Upper

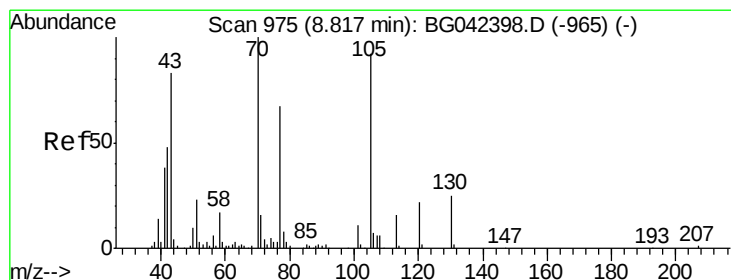
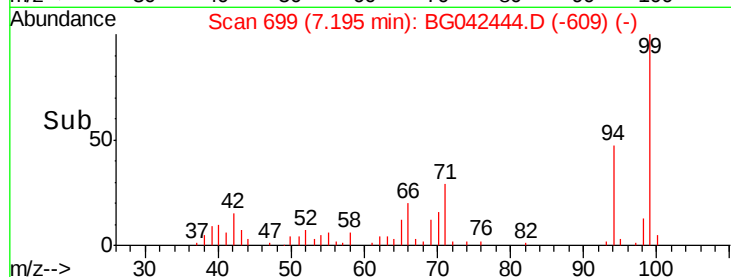
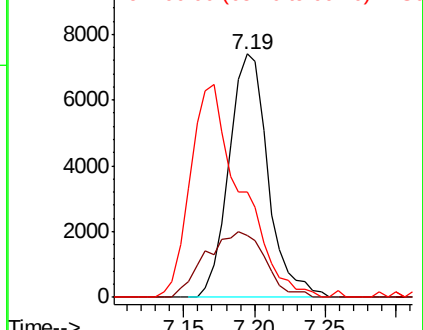
94 100

65 25.1 5.6 45.6

66 43.5 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.921 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Tgt Ion: 70 Resp: 58749

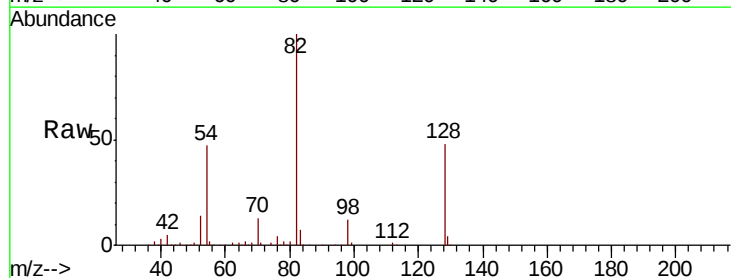
Ion Ratio Lower Upper

70 100

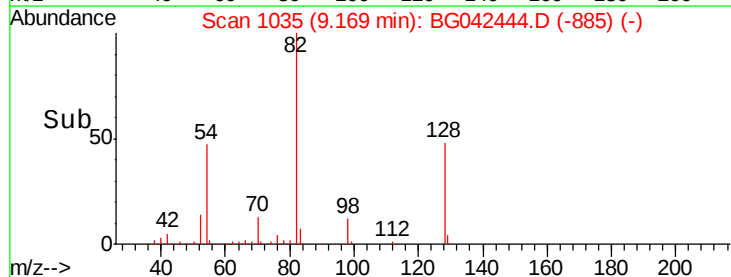
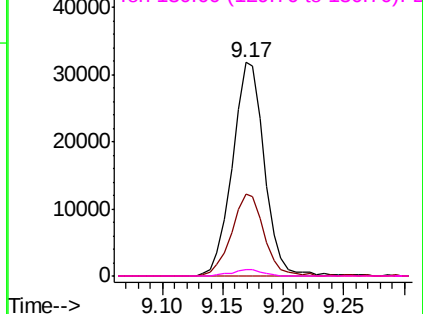
42 38.6 38.8 58.2#

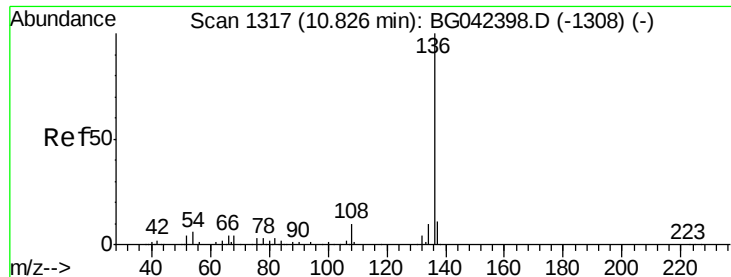
101 0.0 9.0 13.6#

130 2.7 20.0 30.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

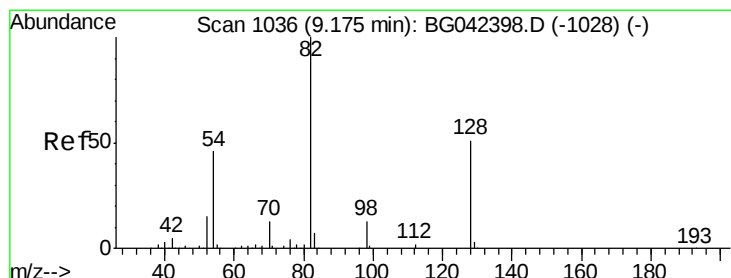
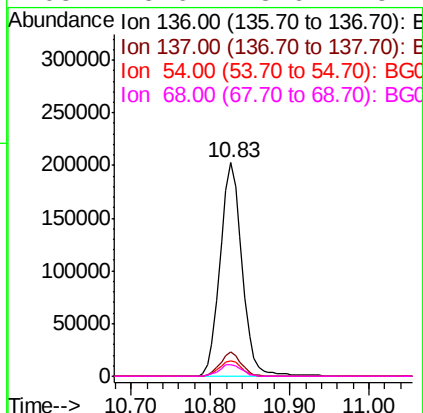
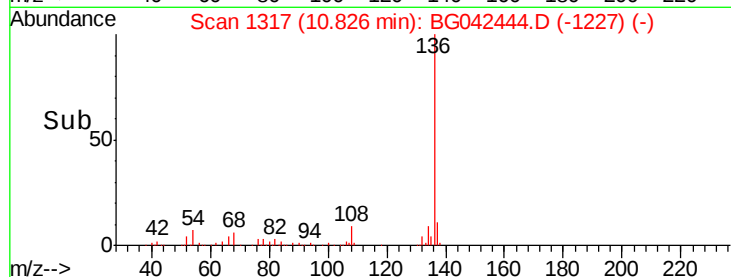
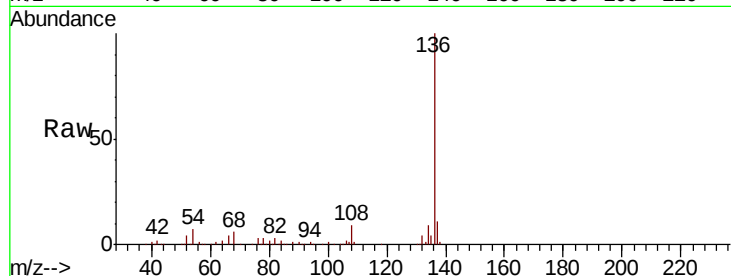




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042444.D
Acq: 23 Aug 2019 22:00

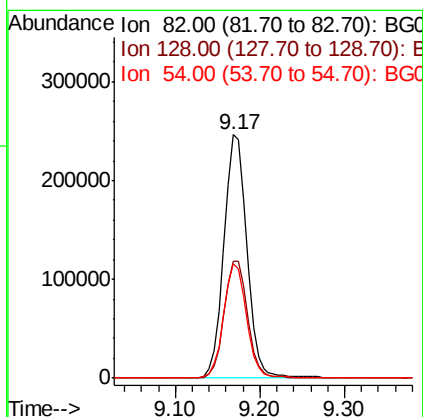
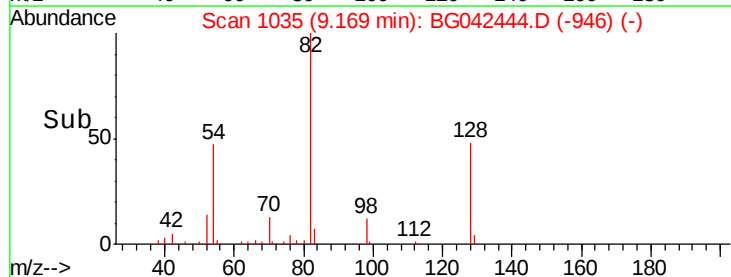
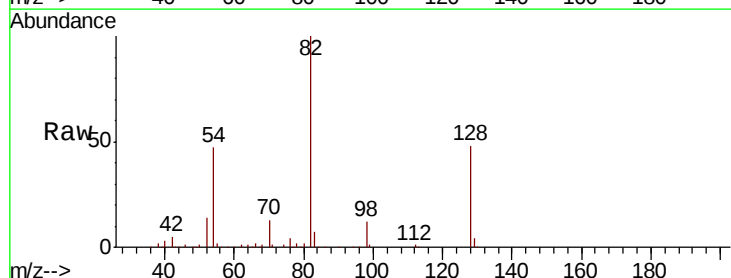
Instrument :
BNA_G
ClientSampleId :
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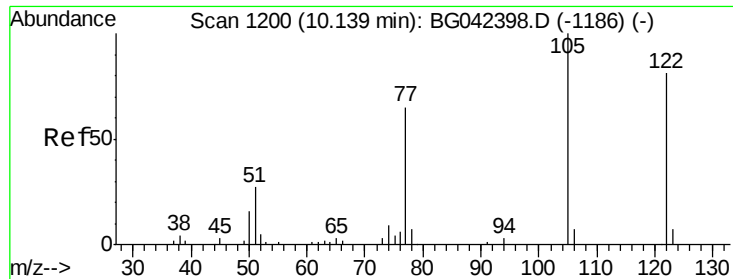
Tgt Ion:	136	Resp:	388034
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.5	4.9	7.3#
68	5.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 82.928 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042444.D
Acq: 23 Aug 2019 22:00

Tgt Ion:	82	Resp:	465658
Ion	Ratio	Lower	Upper
82	100		
128	47.9	40.7	61.1
54	47.2	36.3	54.5





#32

Benzoic acid

Concen: 8.199 ng

RT: 10.34 min Scan# 1235

Delta R.T. 0.21 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

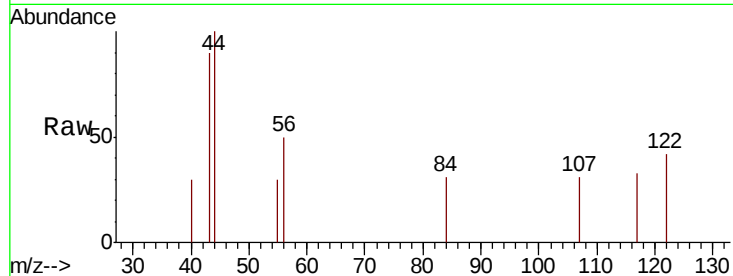
Tgt Ion:122 Resp: 129

Ion Ratio Lower Upper

122 100

105 0.0 99.6 139.6#

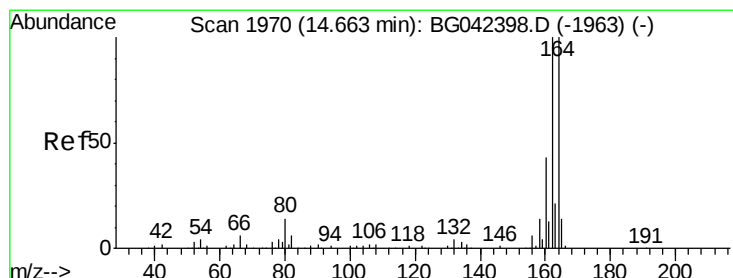
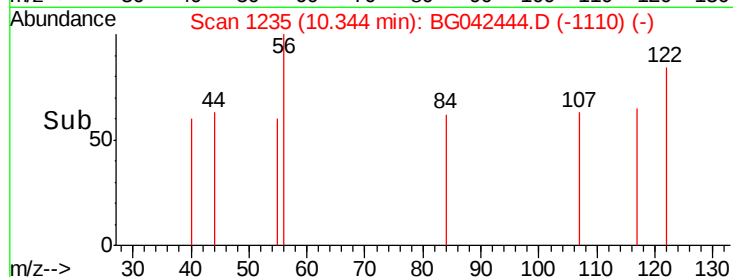
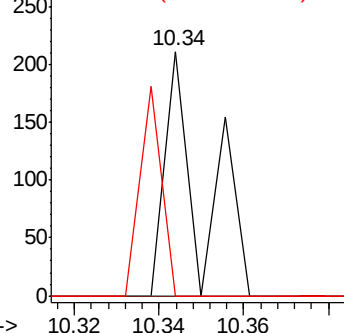
77 0.0 59.5 99.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

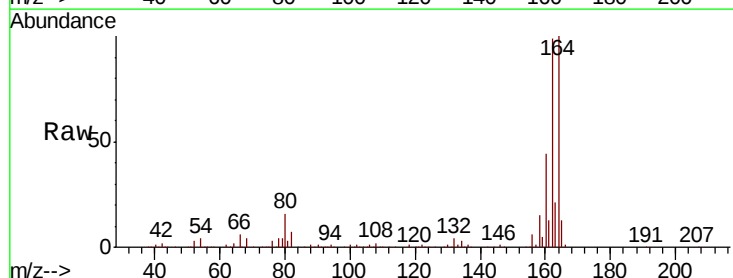
Tgt Ion:164 Resp: 252569

Ion Ratio Lower Upper

164 100

162 98.8 79.9 119.9

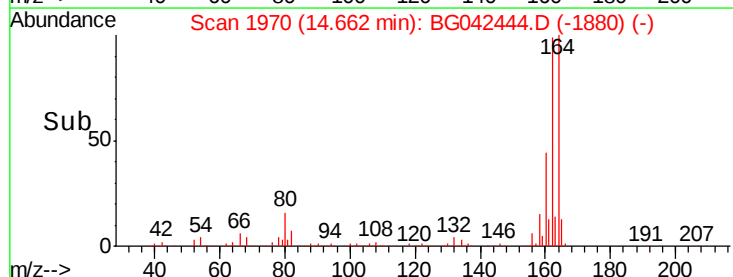
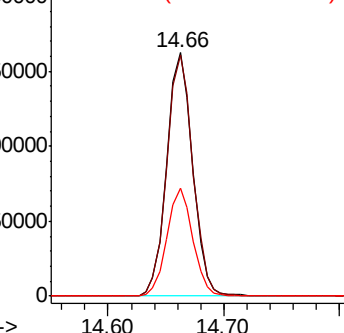
160 44.2 34.3 51.5

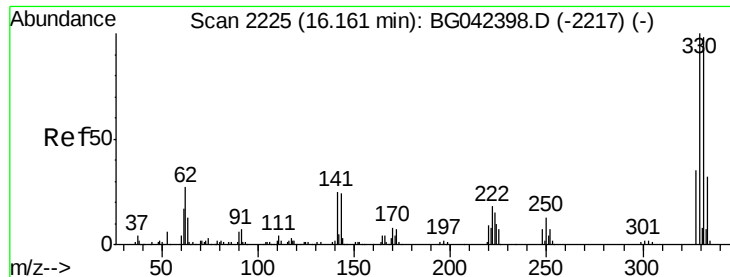


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

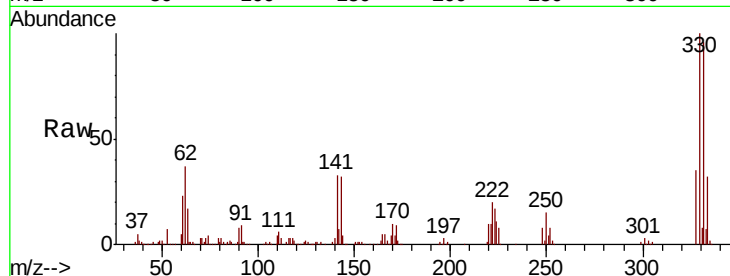




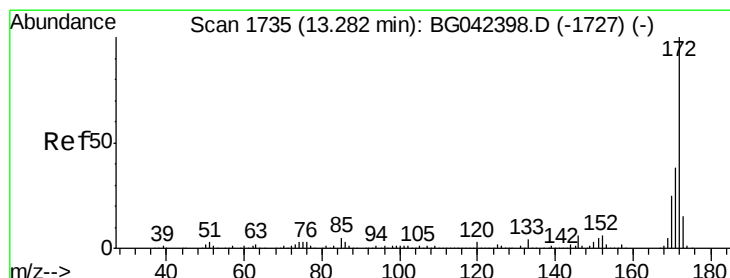
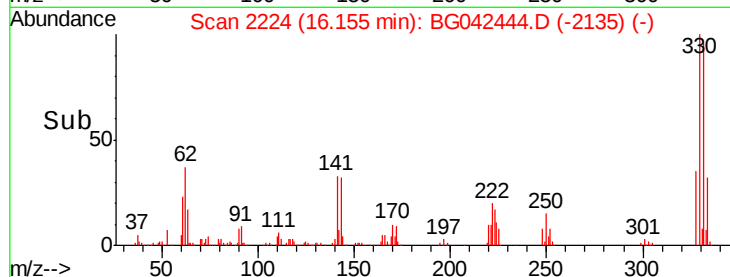
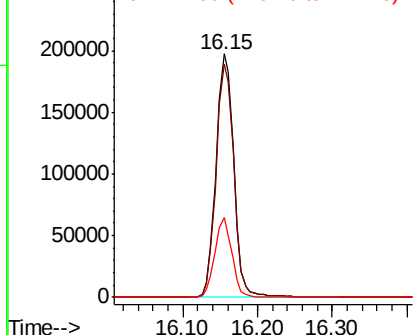
#42
 2,4,6-Tribromophenol
 Concen: 90.703 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042444.D
 Acq: 23 Aug 2019 22:00

Instrument :
 BNA_G
 ClientSampleId :
 0648-ELUTRIATE-COMP-B

Tgt Ion:330 Resp: 325609
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.0
 141 31.7 21.4 32.0

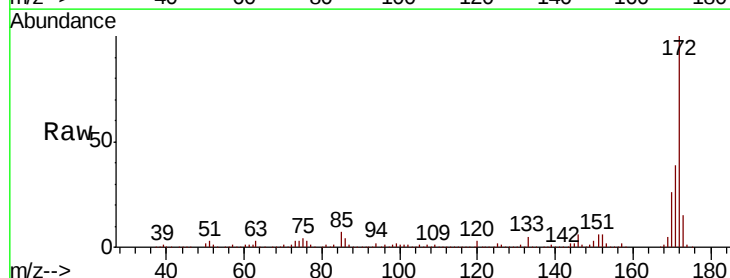


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

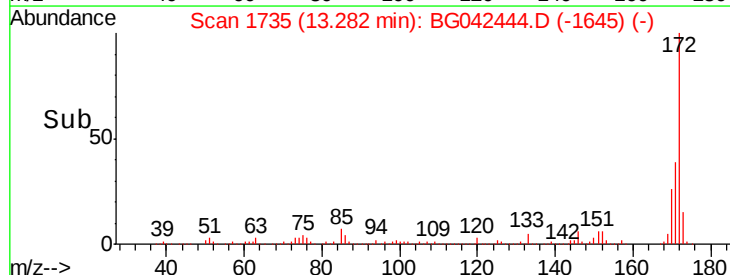
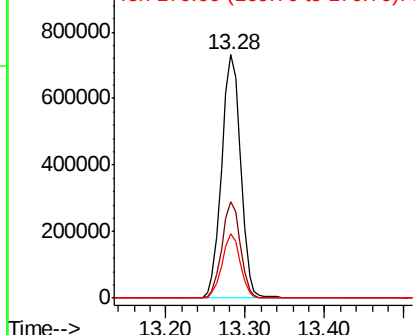


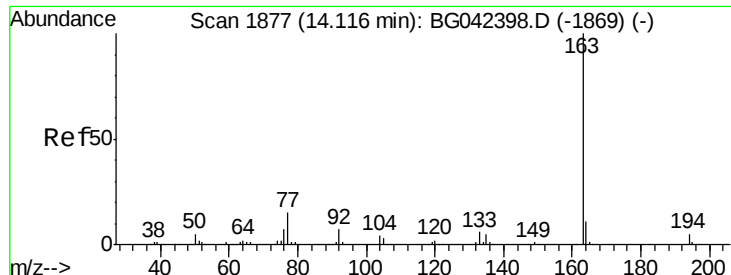
#45
 2-Fluorobiphenyl
 Concen: 81.867 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042444.D
 Acq: 23 Aug 2019 22:00

Tgt Ion:172 Resp: 1222563
 Ion Ratio Lower Upper
 172 100
 171 39.5 30.5 45.7
 170 26.5 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





#50

Dimethylphthalate

Concen: 12.233 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

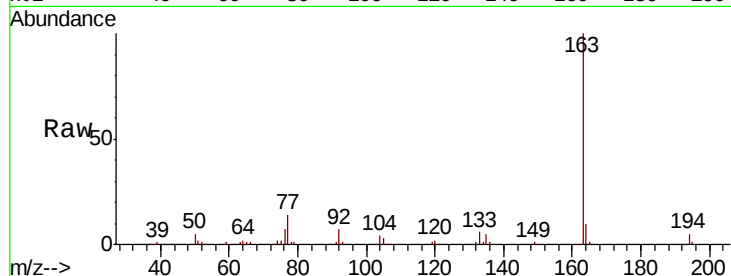
Tgt Ion:163 Resp: 222934

Ion Ratio Lower Upper

163 100

194 4.5 4.2 6.2

164 10.3 8.8 13.2

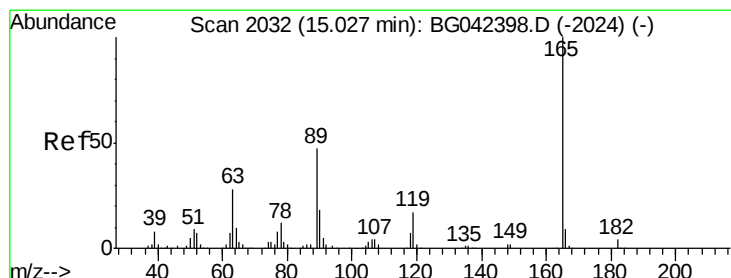
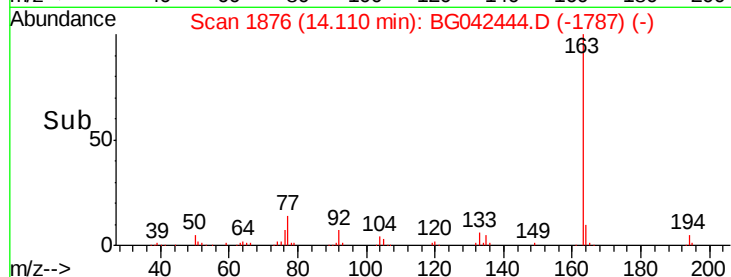
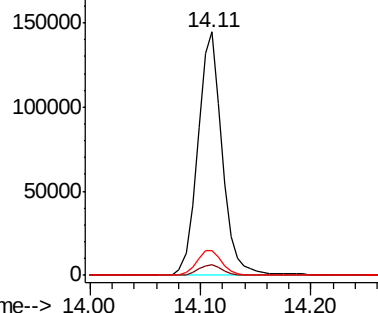


Abundance

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



#57

2,4-Dinitrotoluene

Concen: 5.532 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

Tgt Ion:165 Resp: 33465

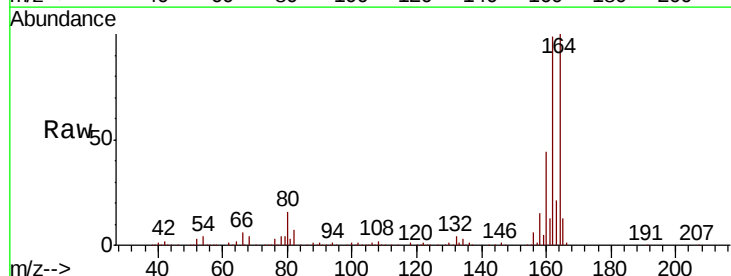
Ion Ratio Lower Upper

165 100

63 1.3 22.5 33.7#

89 0.8 37.8 56.6#

182 0.0 3.0 4.4#



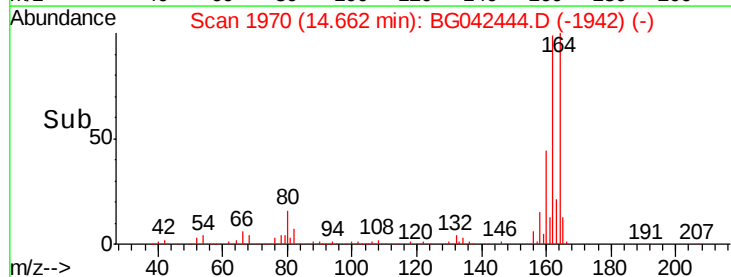
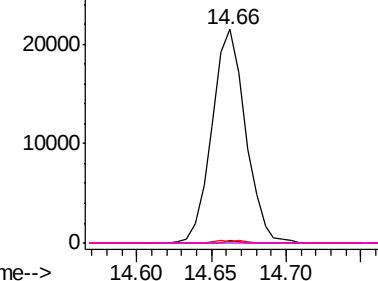
Abundance

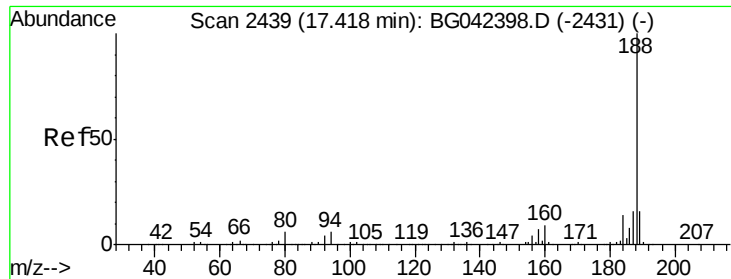
Ion 165.00 (164.70 to 165.70): E

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: BG042444.D

Acq: 23 Aug 2019 22:00

Instrument :

BNA_G

ClientSampleId :

0648-ELUTRIATE-COMP-B

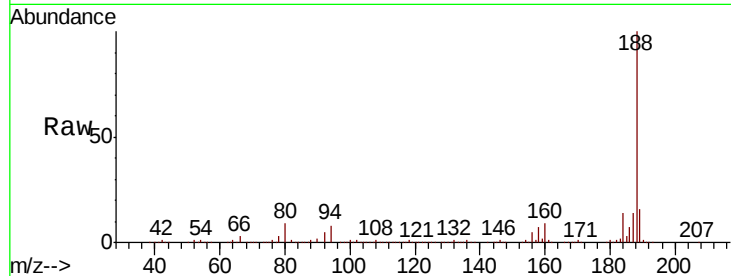
Tgt Ion:188 Resp: 503855

Ion Ratio Lower Upper

188 100

94 7.7 4.5 6.7#

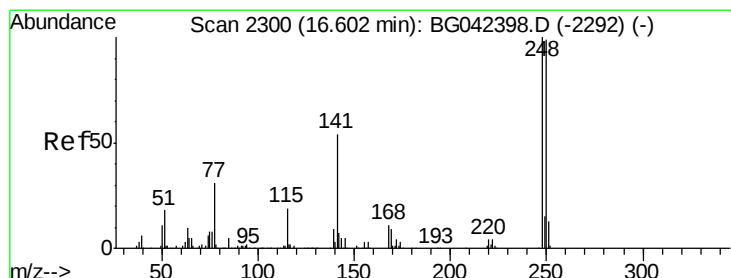
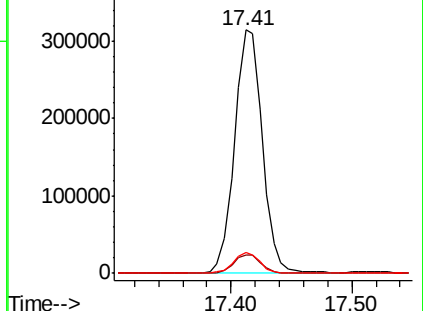
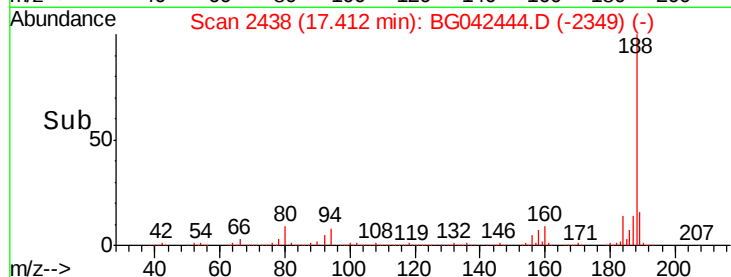
80 8.8 4.9 7.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.746 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042444.D

Acq: 23 Aug 2019 22:00

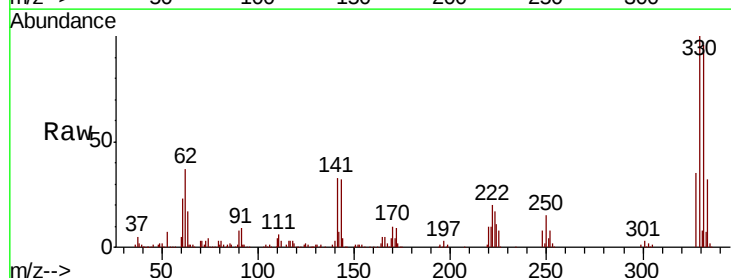
Tgt Ion:248 Resp: 23940

Ion Ratio Lower Upper

248 100

250 188.6 78.9 118.3#

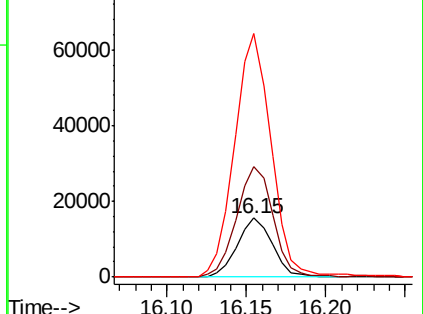
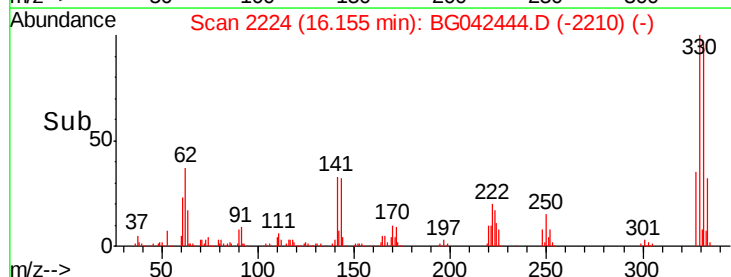
141 413.4 43.3 64.9#

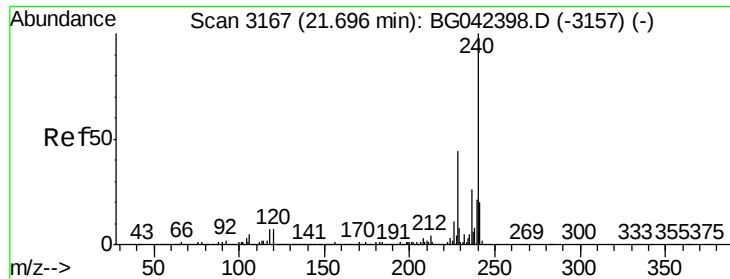


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

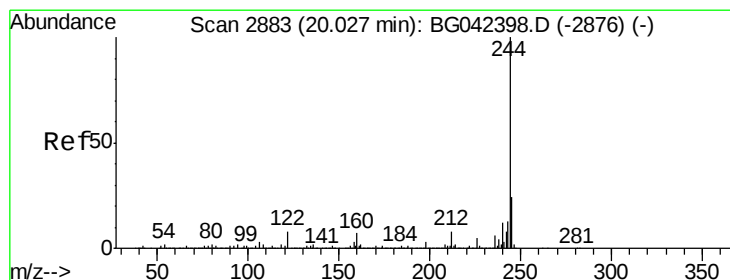
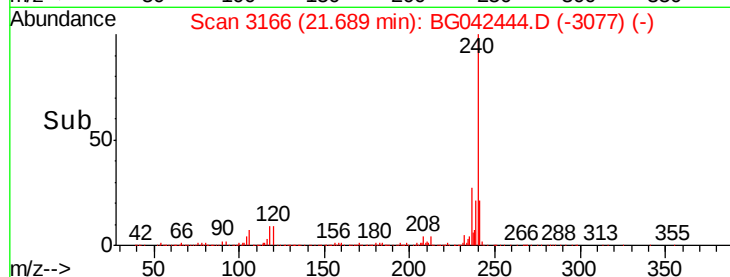
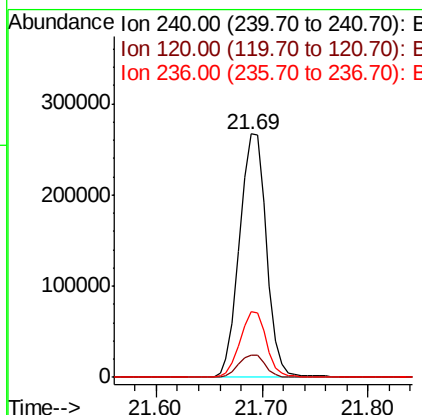
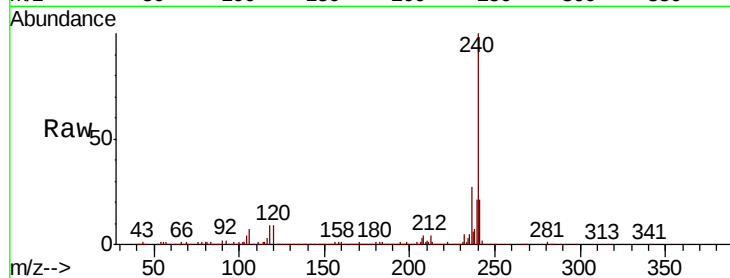




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042444.D
Acq: 23 Aug 2019 22:00

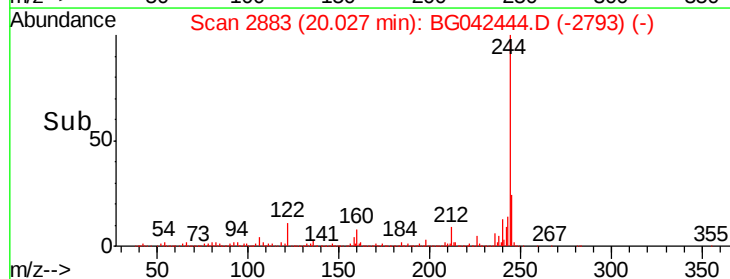
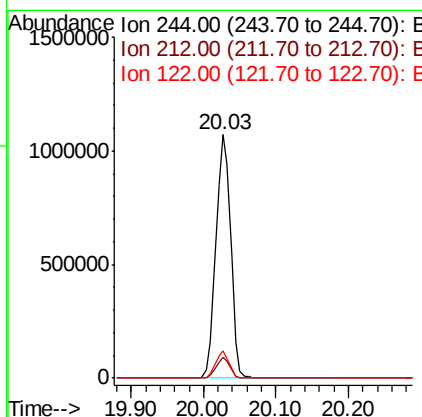
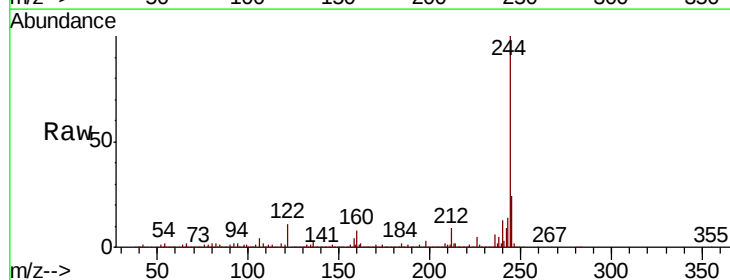
Instrument :
BNA_G
ClientSampleId :
0648-ELUTRIATE-COMP-B

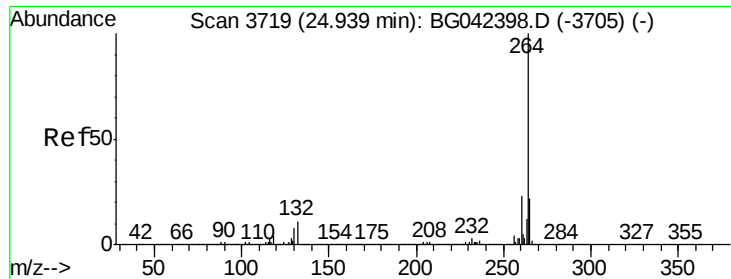
Tgt Ion:240 Resp: 472346
Ion Ratio Lower Upper
240 100
120 9.3 5.7 8.5#
236 26.9 21.0 31.4



#79
Terphenyl-d14
Concen: 69.416 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BG042444.D
Acq: 23 Aug 2019 22:00

Tgt Ion:244 Resp: 1516631
Ion Ratio Lower Upper
244 100
212 8.6 6.0 9.0
122 11.0 6.7 10.1#





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042444.D
Acq: 23 Aug 2019 22:00

Instrument :
BNA_G
ClientSampleId :
0648-ELUTRIATE-COMP-B

Tgt Ion:	264	Resp:	558227
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.3	17.6	26.4

