

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042445.D
 Acq On : 23 Aug 2019 22:39
 Operator : HP/JU
 Sample : K4090-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-082219

Quant Time: Aug 24 02:11:32 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	81420	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	324956	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	218617	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	444914	20.00	ng	0.00
76) Chrysene-d12	21.69	240	430062	20.00	ng	0.00
87) Perylene-d12	24.94	264	497458	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	521990	129.84	ng	0.00
7) Phenol-d6	7.17	99	656115	120.82	ng	0.00
23) Nitrobenzene-d5	9.17	82	460383	97.90	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	352696	113.51	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1230830	95.22	ng	0.00
79) Terphenyl-d14	20.03	244	1790848	90.03	ng	0.00

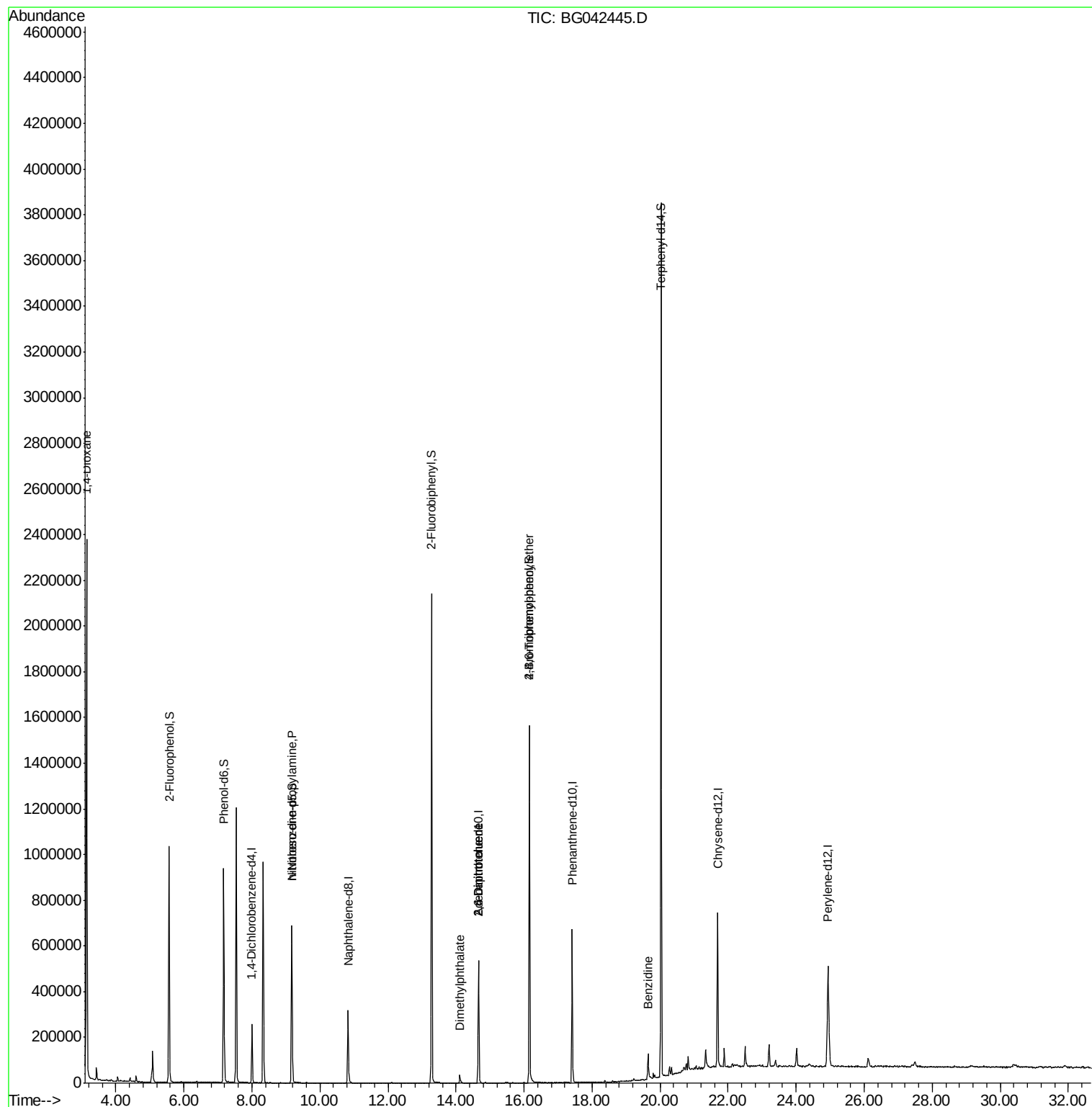
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	25622	15.272	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	58149	16.529	ng	# 75
50) Dimethylphthalate	14.11	163	34786	2.205	ng	# 96
51) 2,6-Dinitrotoluene	14.66	165	28791	7.874	ng	# 38
57) 2,4-Dinitrotoluene	14.66	165	28791	5.499	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	25592	4.535	ng	# 1
77) Benzidine	19.65	184	93098	7.550	ng	97

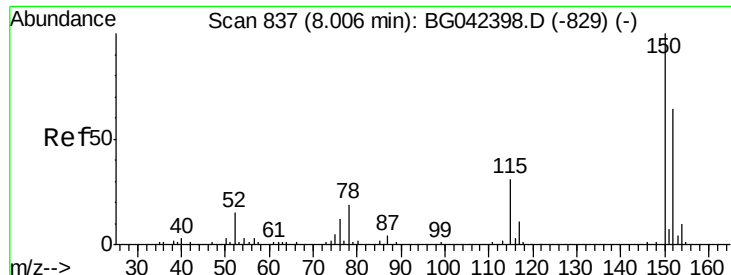
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

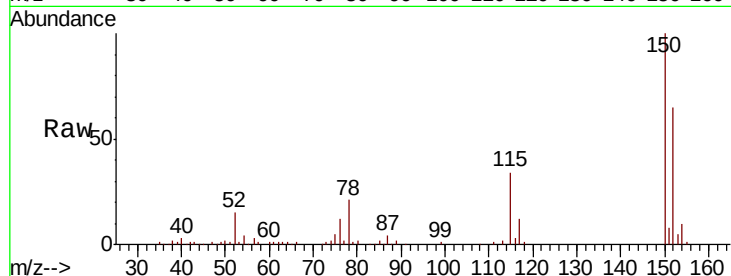
Tgt Ion:152 Resp: 81420

Ion Ratio Lower Upper

152 100

150 155.0 125.4 188.0

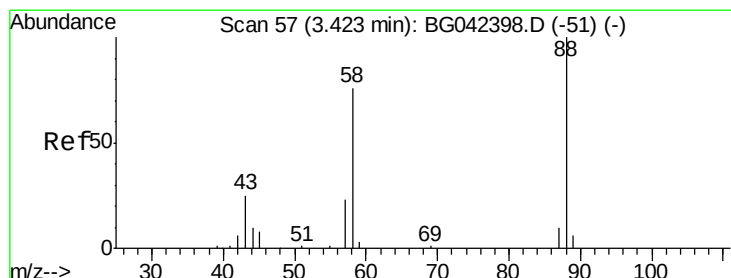
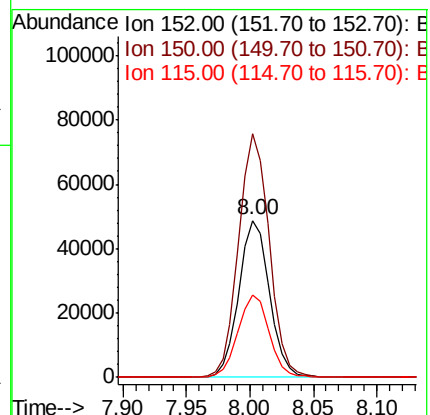
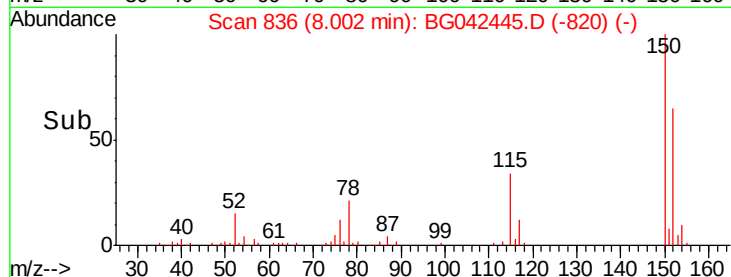
115 52.7 38.5 57.7



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: 15.272 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.29 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

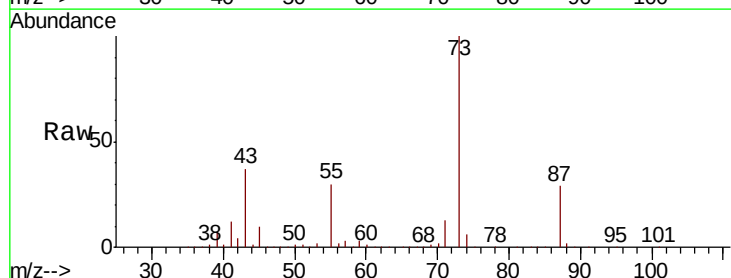
Tgt Ion: 88 Resp: 25622

Ion Ratio Lower Upper

88 100

58 30.3 58.3 87.5#

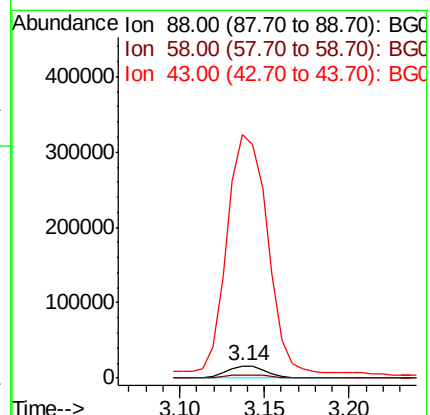
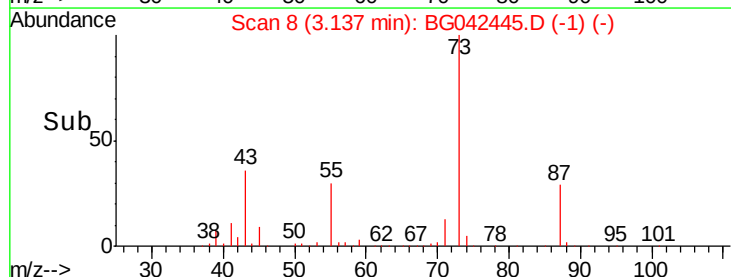
43 2097.7 20.2 30.2#

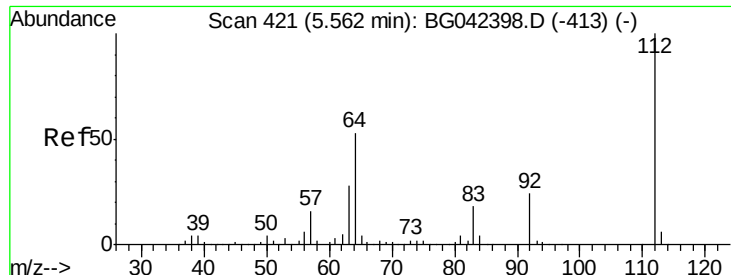


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.843 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

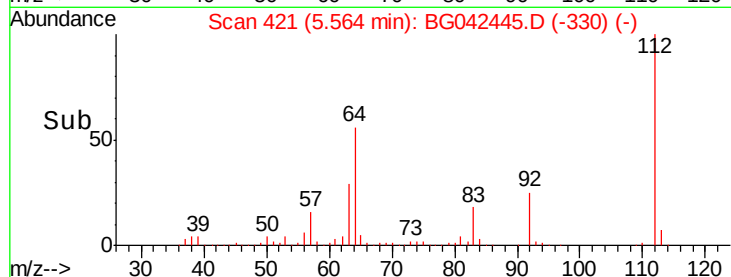
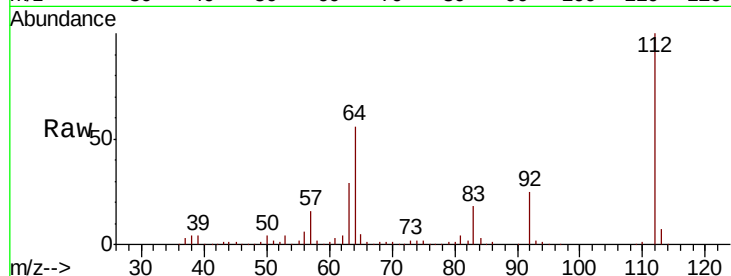
Tgt Ion: 112 Resp: 521990

Ion Ratio Lower Upper

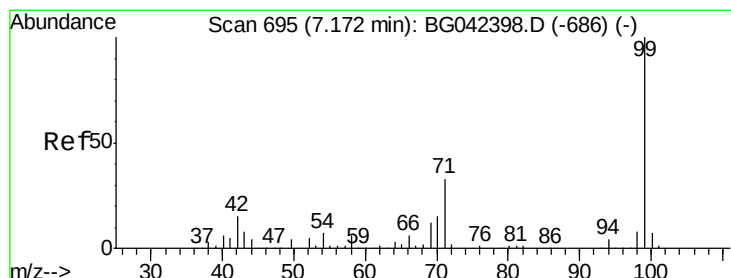
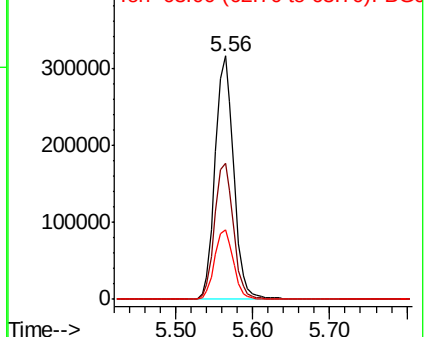
112 100

64 56.0 42.8 64.2

63 28.8 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: 120.824 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

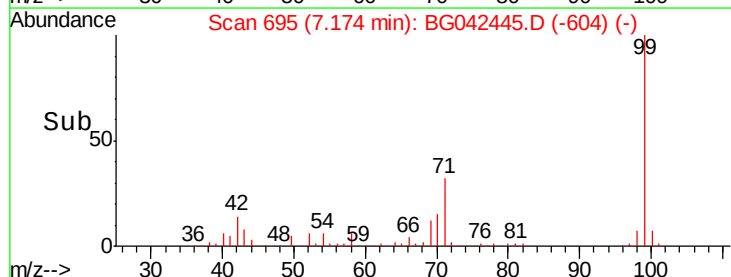
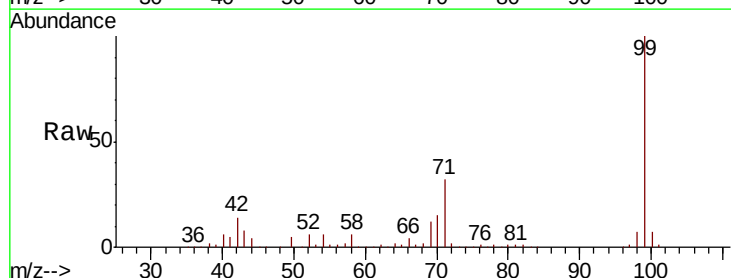
Tgt Ion: 99 Resp: 656115

Ion Ratio Lower Upper

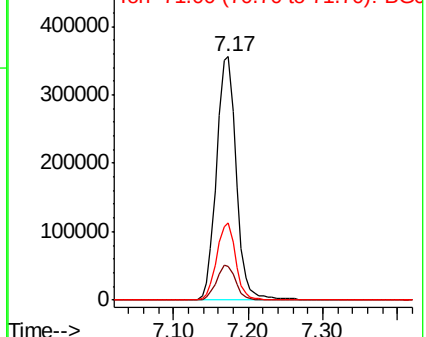
99 100

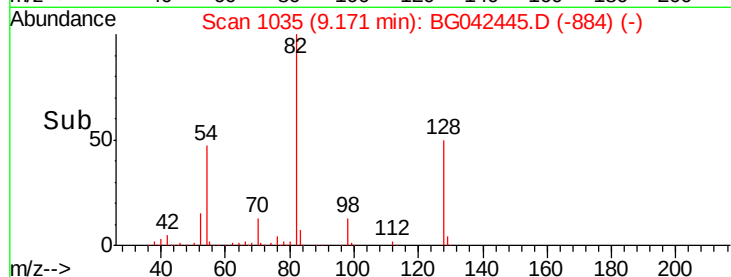
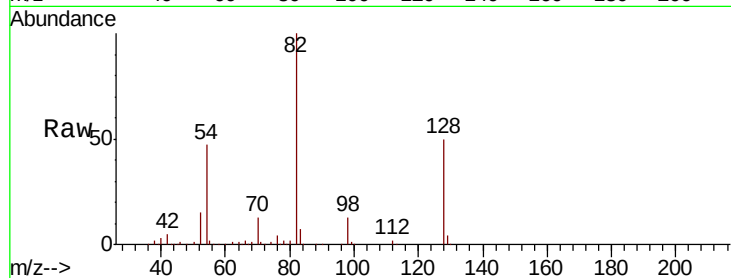
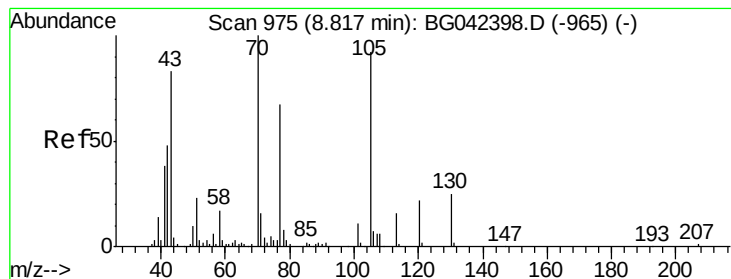
42 13.8 12.0 18.0

71 31.5 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: 16.529 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

Tgt Ion: 70 Resp: 58149

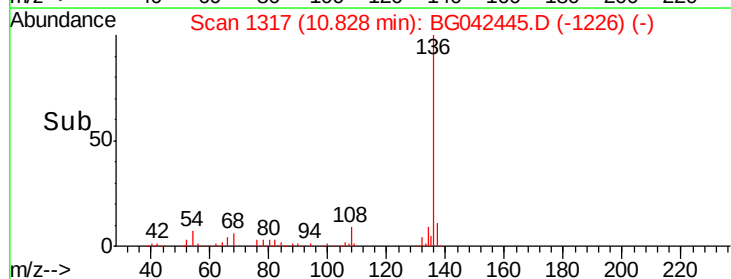
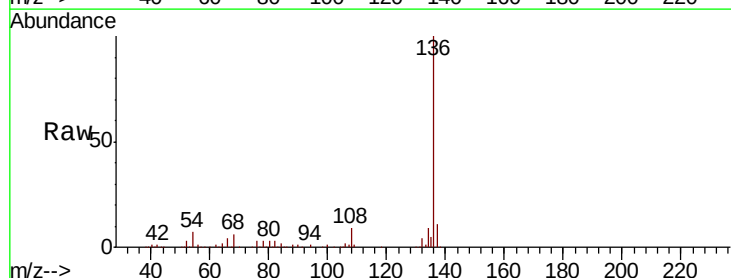
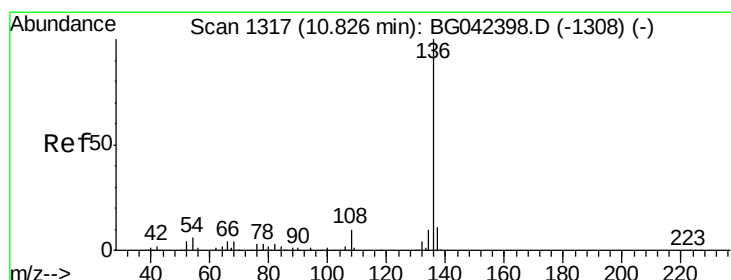
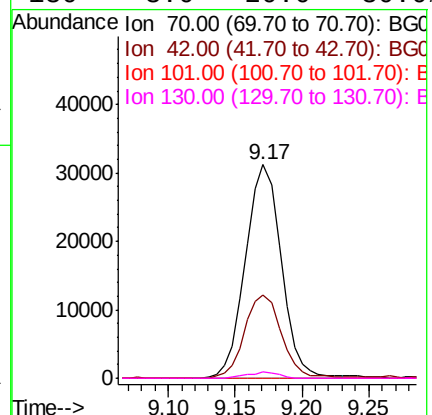
Ion Ratio Lower Upper

70 100

42 39.1 38.8 58.2

101 0.0 9.0 13.6#

130 3.0 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: BG042445.D

Acq: 23 Aug 2019 22:39

Tgt Ion: 136 Resp: 324956

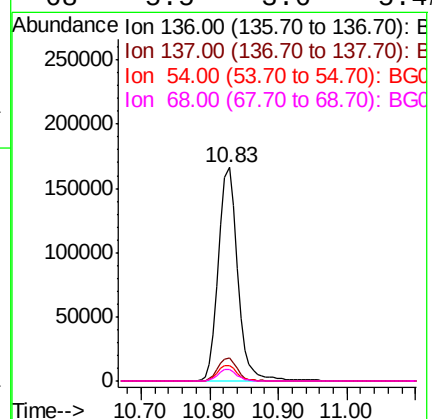
Ion Ratio Lower Upper

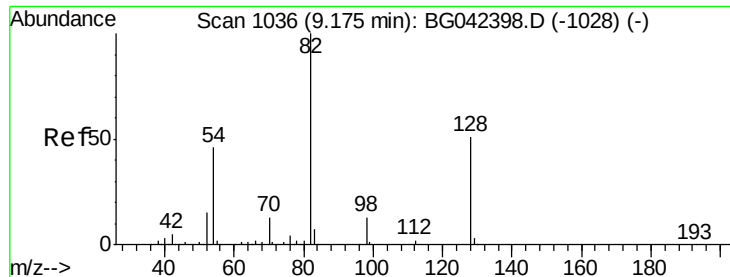
136 100

137 11.0 8.7 13.1

54 7.0 4.9 7.3

68 5.5 3.6 5.4#

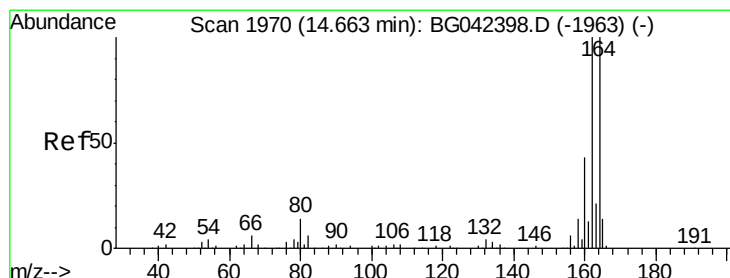
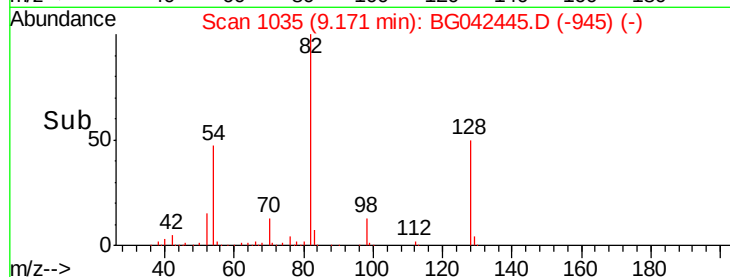
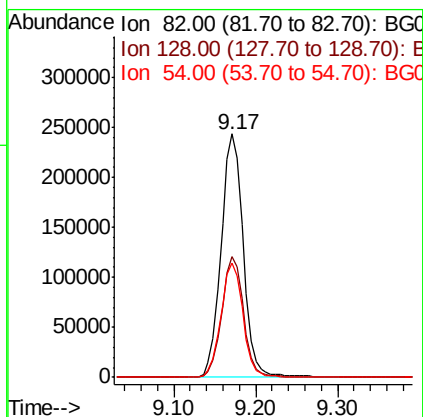
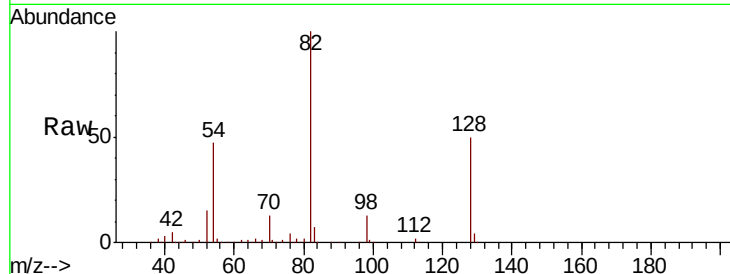




#23
Nitrobenzene-d5
Concen: 97.903 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042445.D
Acq: 23 Aug 2019 22:39

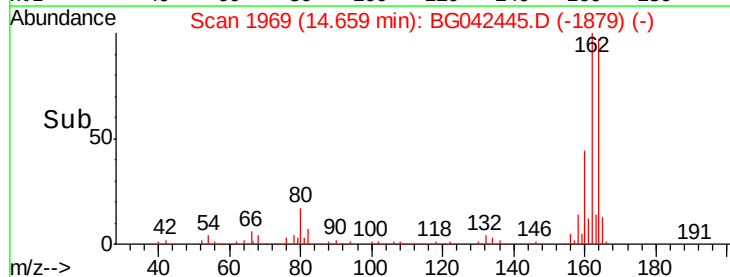
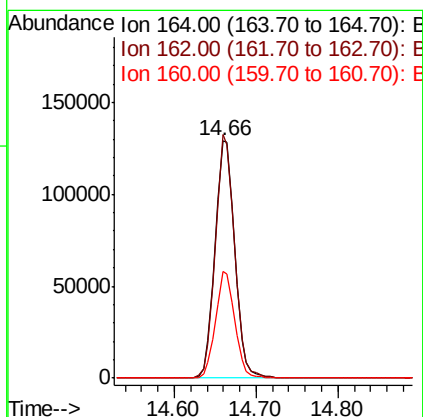
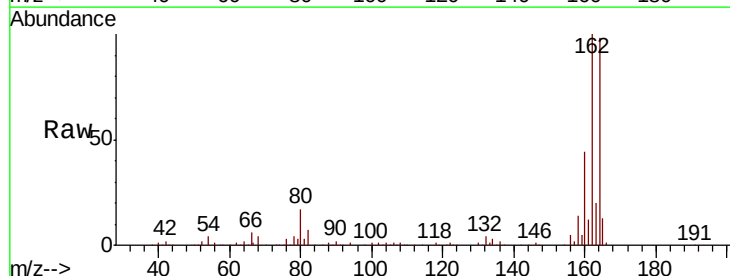
Instrument :
BNA_G
ClientSampleId :
OR-03-082219

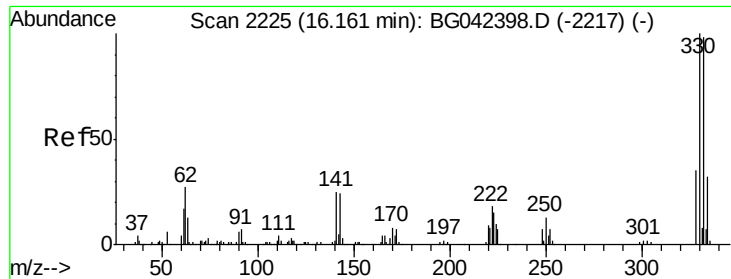
Tgt Ion: 82 Resp: 460383
Ion Ratio Lower Upper
82 100
128 49.7 40.7 61.1
54 46.9 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042445.D
Acq: 23 Aug 2019 22:39

Tgt Ion: 164 Resp: 218617
Ion Ratio Lower Upper
164 100
162 102.4 79.9 119.9
160 44.8 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 113.506 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

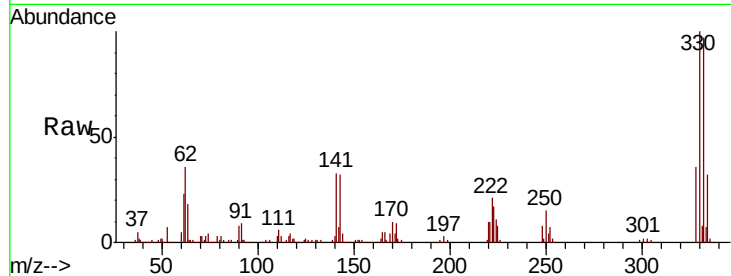
Tgt Ion:330 Resp: 352696

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

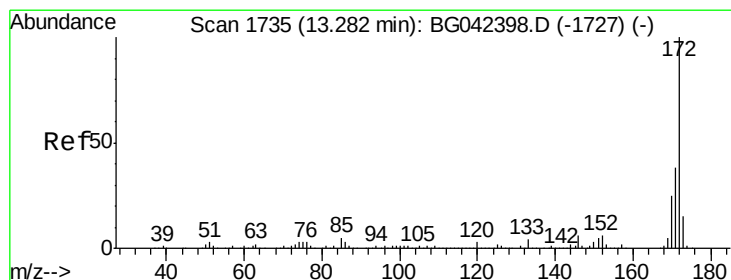
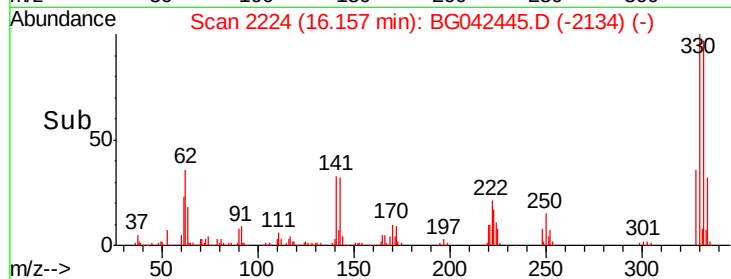
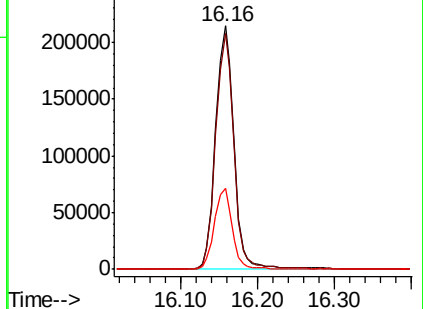
141 32.5 21.4 32.0#



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: 95.221 ng

RT: 13.28 min Scan# 1735

Delta R.T. 0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

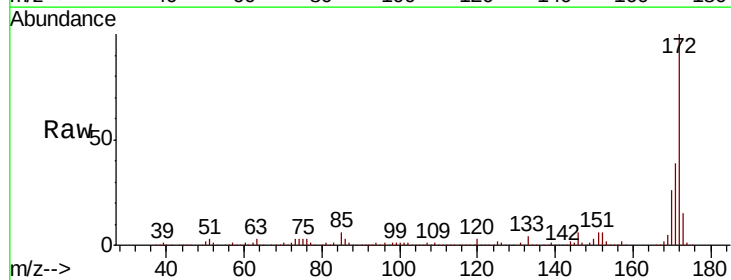
Tgt Ion:172 Resp: 1230830

Ion Ratio Lower Upper

172 100

171 39.3 30.5 45.7

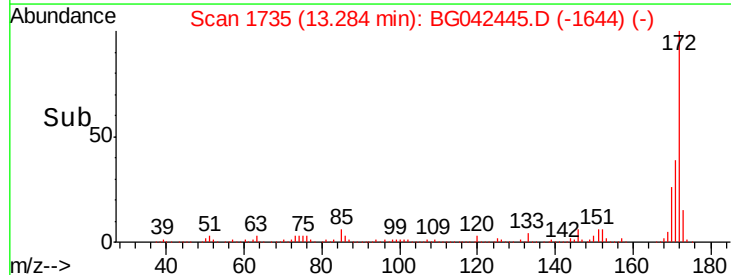
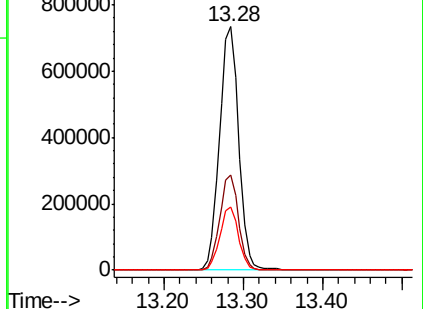
170 25.9 20.2 30.2

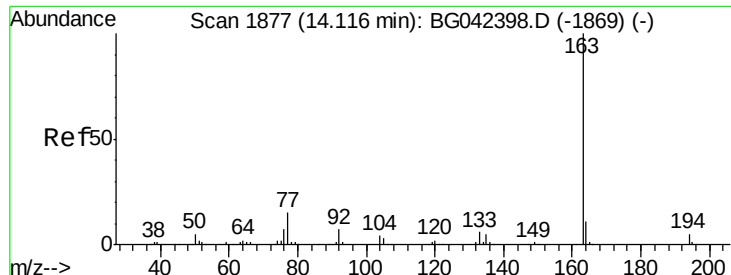


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.205 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

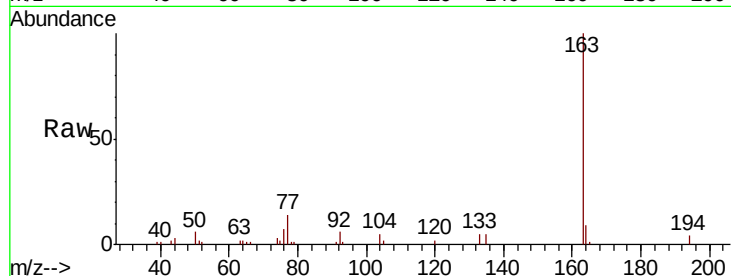
Tgt Ion:163 Resp: 34786

Ion Ratio Lower Upper

163 100

194 4.1 4.2 6.2#

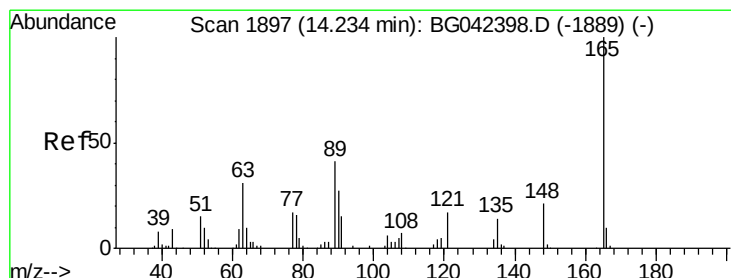
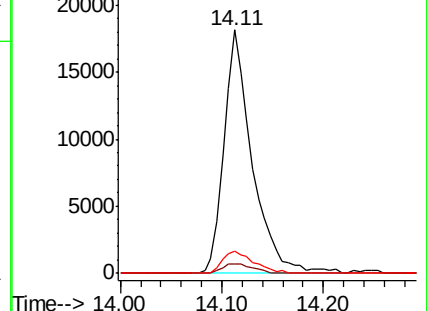
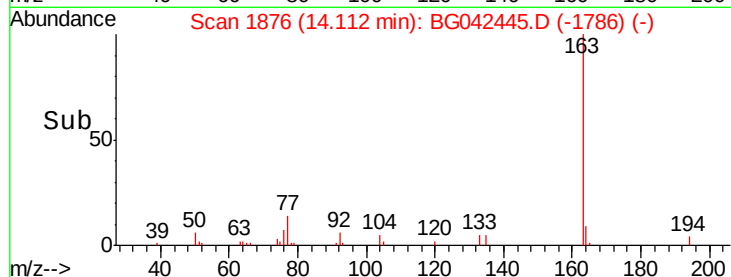
164 9.3 8.8 13.2



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



#51

2,6-Dinitrotoluene

Concen: 7.874 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

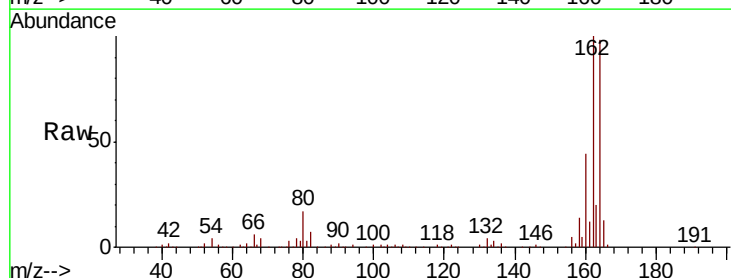
Tgt Ion:165 Resp: 28791

Ion Ratio Lower Upper

165 100

63 1.1 30.6 45.8#

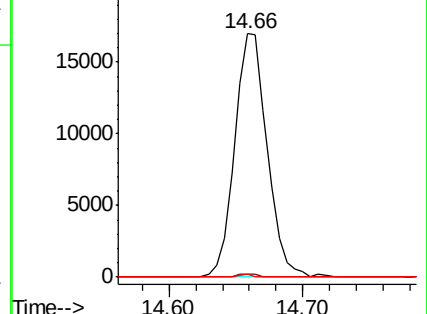
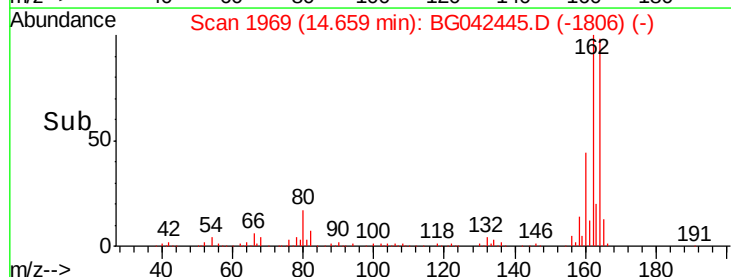
89 1.2 32.6 49.0#

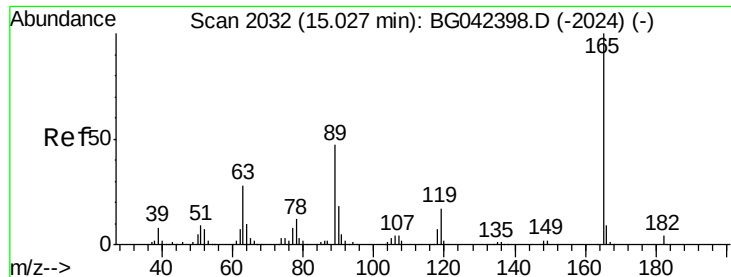


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

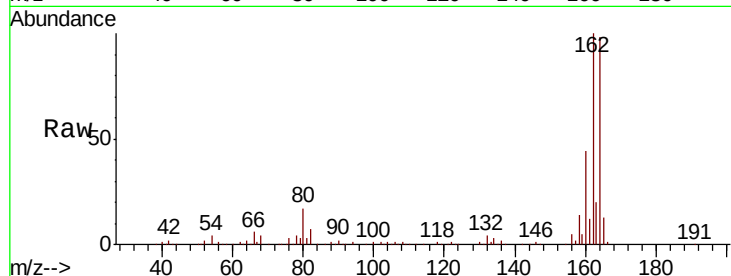




#57
 2,4-Dinitrotoluene
 Concen: 5.499 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042445.D
 Acq: 23 Aug 2019 22:39

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-082219

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.5	33.7#
89	1.2	37.8	56.6#
182	0.0	3.0	4.4#



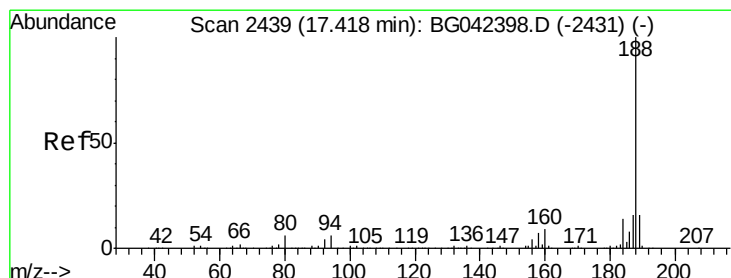
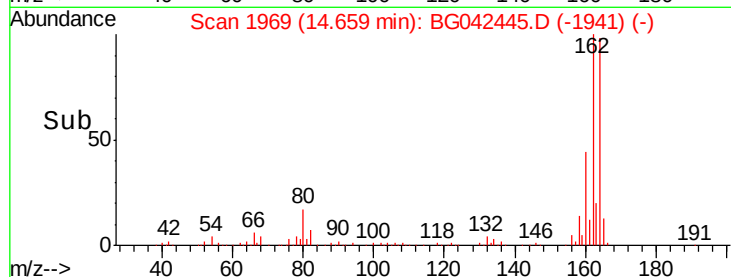
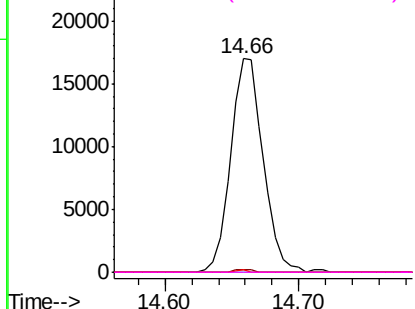
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

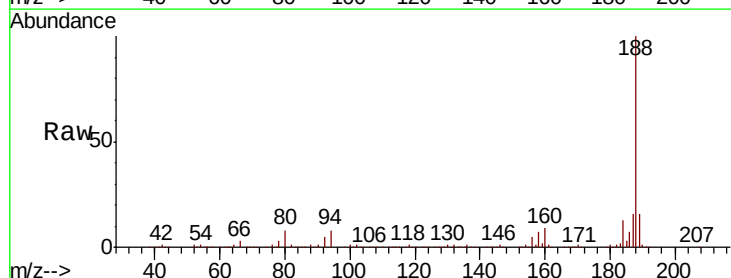
Ion 89.00 (88.70 to 89.70): BGC

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. -0.00 min
 Lab File: BG042445.D
 Acq: 23 Aug 2019 22:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	4.5	6.7#
80	8.2	4.9	7.3#

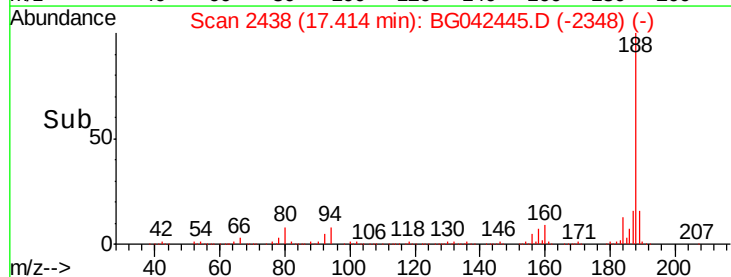
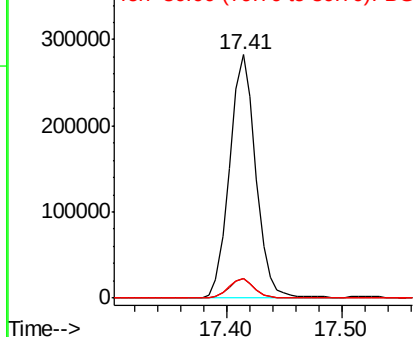


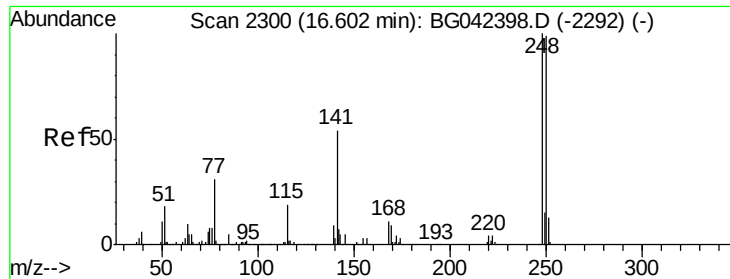
Abundance

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

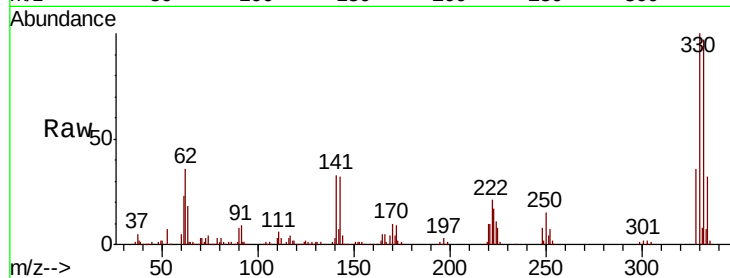




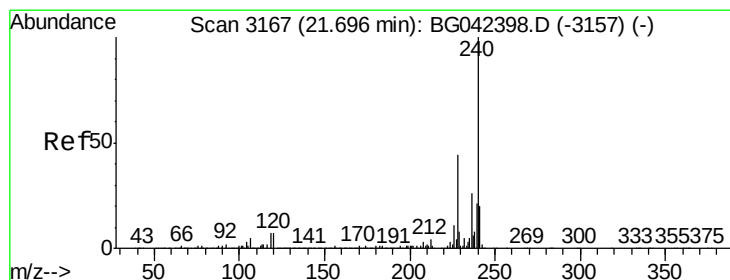
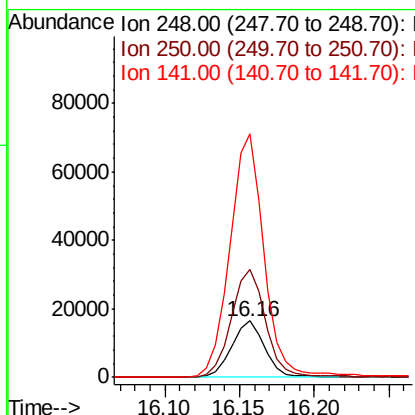
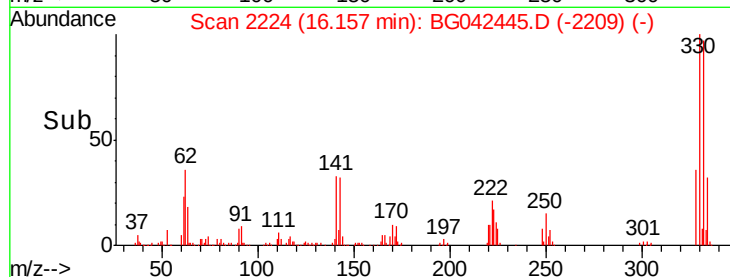
#67
 4-Bromophenyl-phenylether
 Concen: 4.535 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042445.D
 Acq: 23 Aug 2019 22:39

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-082219

Tgt Ion:248 Resp: 25592
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.9 118.3#
 141 430.8 43.3 64.9#

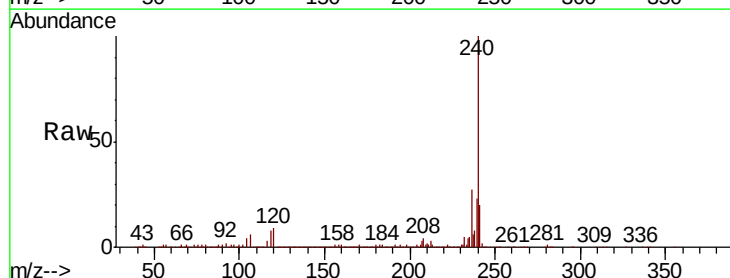


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

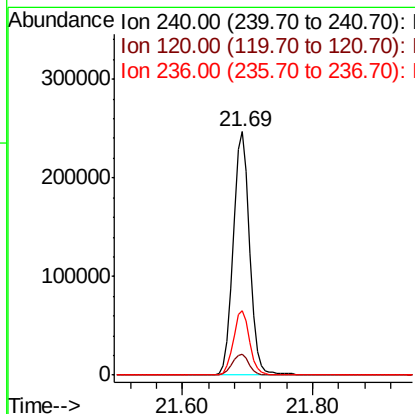
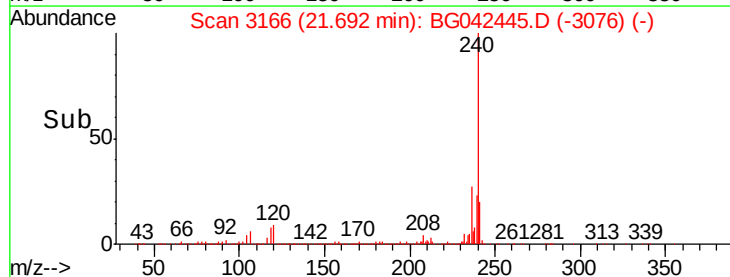


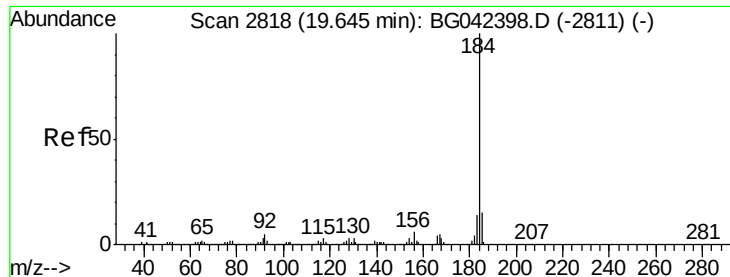
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.00 min
 Lab File: BG042445.D
 Acq: 23 Aug 2019 22:39

Tgt Ion:240 Resp: 430062
 Ion Ratio Lower Upper
 240 100
 120 8.8 5.7 8.5#
 236 26.6 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: 7.550 ng

RT: 19.65 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

Instrument :

BNA_G

ClientSampleId :

OR-03-082219

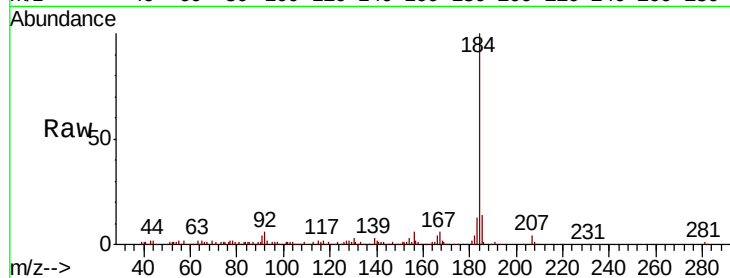
Tgt Ion:184 Resp: 93098

Ion Ratio Lower Upper

184 100

185 13.6 12.2 18.4

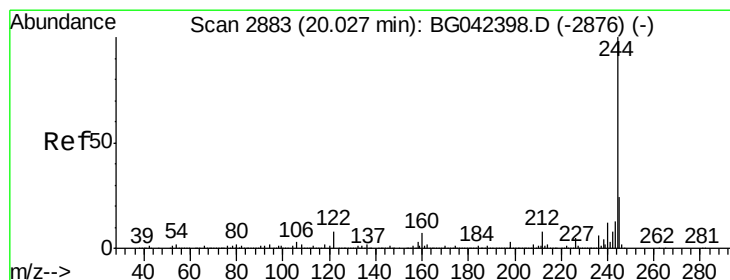
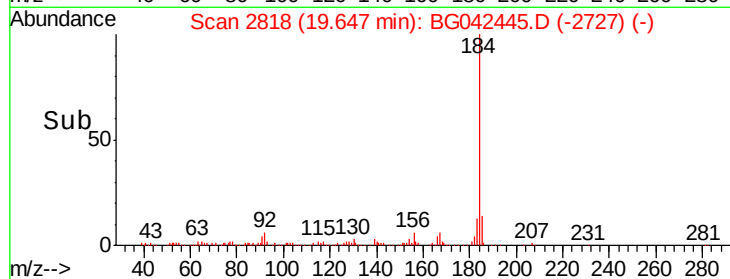
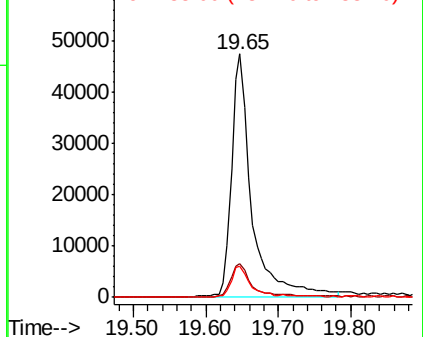
183 12.7 10.8 16.2



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: 90.026 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042445.D

Acq: 23 Aug 2019 22:39

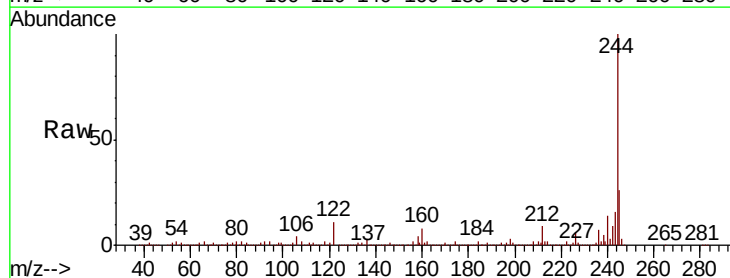
Tgt Ion:244 Resp: 1790848

Ion Ratio Lower Upper

244 100

212 9.2 6.0 9.0#

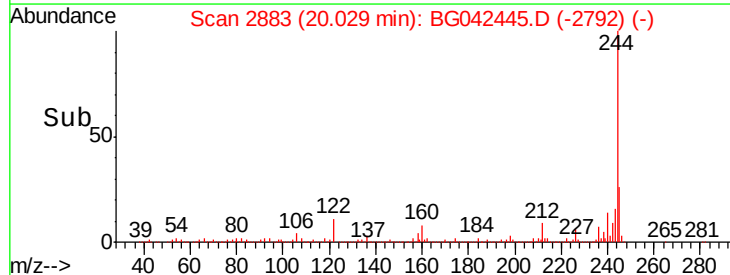
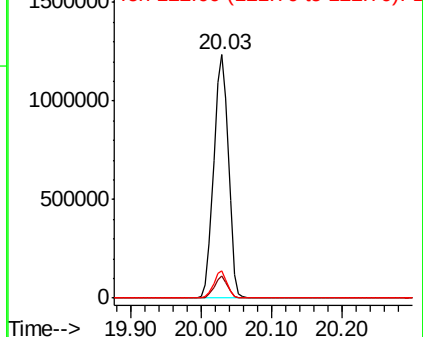
122 11.3 6.7 10.1#

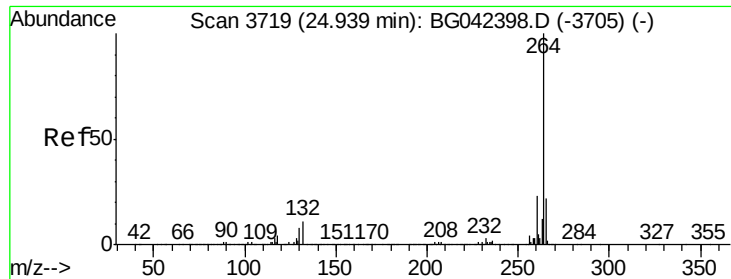


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.94 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BG042445.D
Acq: 23 Aug 2019 22:39

Instrument :
BNA_G
ClientSampleId :
OR-03-082219

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	22.1	17.6	26.4

