

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043319.D
 Acq On : 23 Oct 2019 21:53
 Operator : JU
 Sample : K5489-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MAIN-STOCKPILE-SLP

Quant Time: Oct 24 06:53:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36190	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	116954	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	90848	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	235273	20.00	ng	0.00
76) Chrysene-d12	21.66	240	307669	20.00	ng	0.00
87) Perylene-d12	24.86	264	338425	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	258976	131.13	ng	0.00
7) Phenol-d6	7.20	99	354416	124.73	ng	0.00
23) Nitrobenzene-d5	9.19	82	221574	97.67	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	253648	146.72	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	595484	90.57	ng	0.00
79) Terphenyl-d14	20.00	244	1568279	95.63	ng	0.00

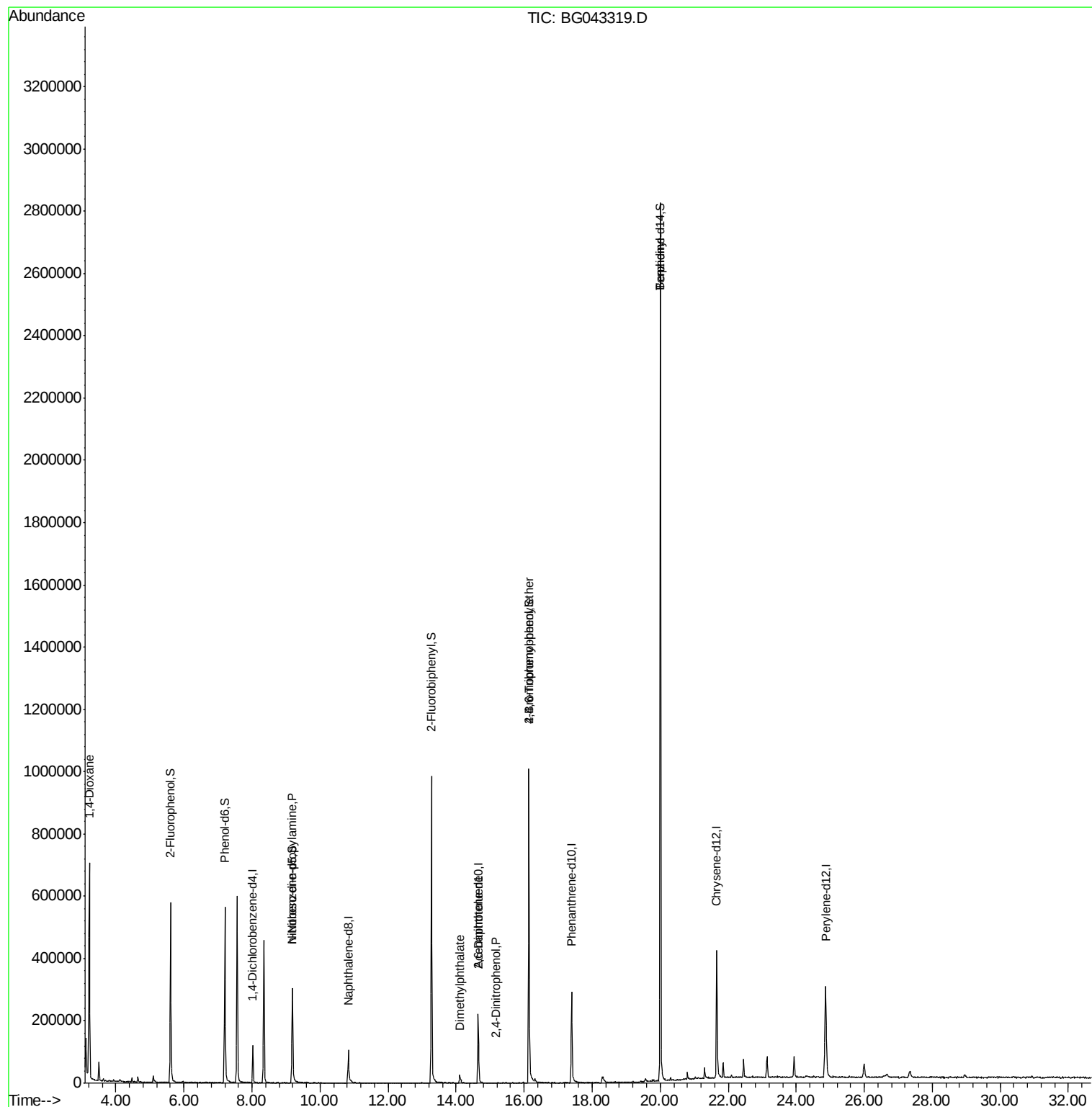
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	7986	10.377	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	29184	15.894	ng	# 79
50) Dimethylphthalate	14.11	163	22365	3.178	ng	# 99
51) 2,6-Dinitrotoluene	14.65	165	11283	7.381	ng	# 23
54) 2,4-Dinitrophenol	15.17	184	64	7.344	ng	# 20
67) 4-Bromophenyl-phenylether	16.14	248	15886	5.017	ng	# 1
77) Benzidine	20.00	184	23232	3.752	ng	# 92

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

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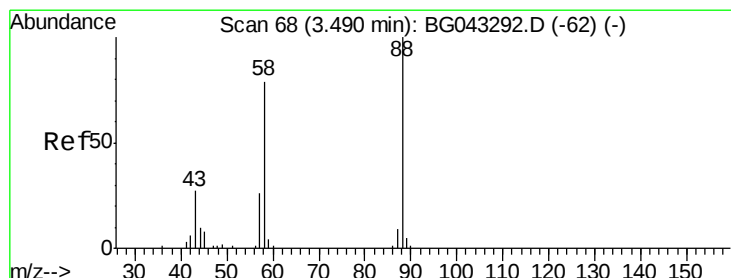
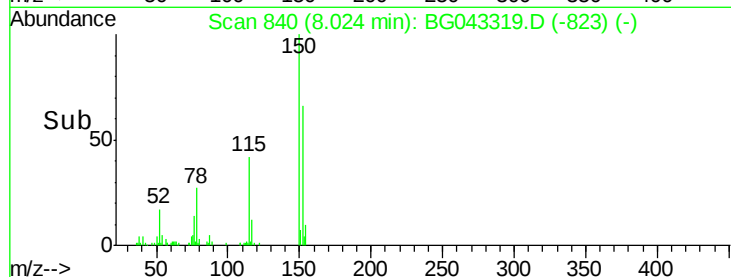
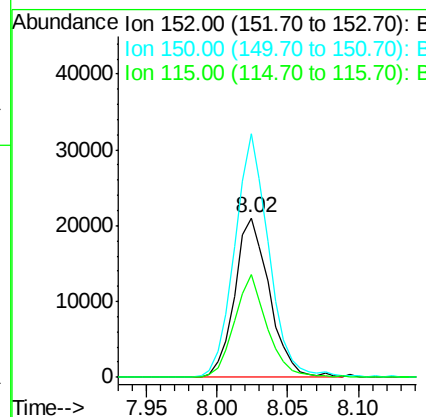
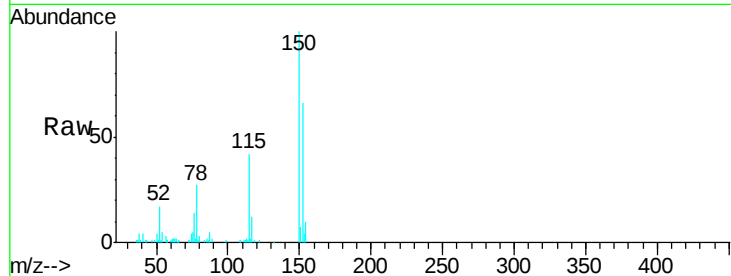


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043319.D
Acq: 23 Oct 2019 21:53

Instrument :
BNA_G
ClientSampleId :
MAIN-STOCKPILE-SLP

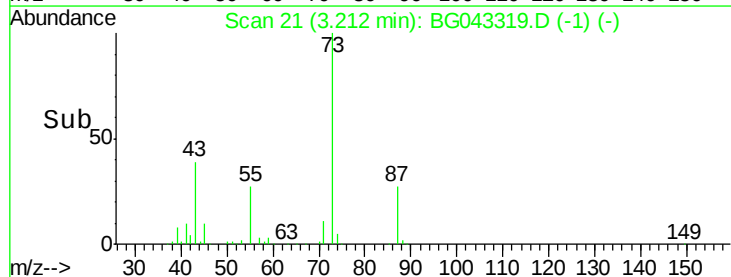
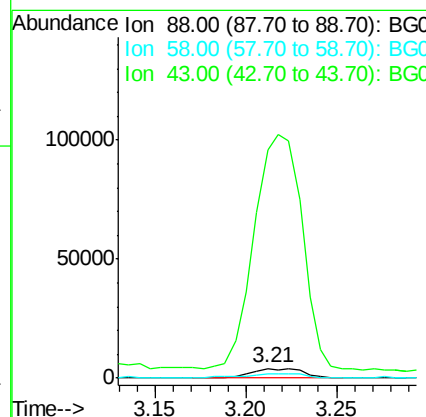
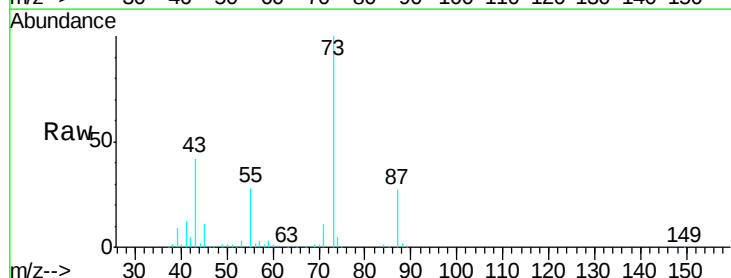
Tgt Ion:152 Resp: 36190
Ion Ratio Lower Upper
152 100
150 152.5 113.6 170.4
115 64.8 45.9 68.9

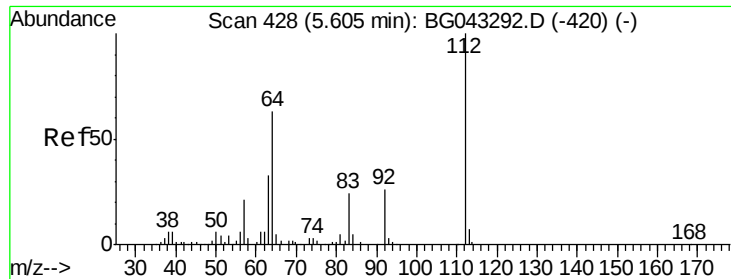


#2

1,4-Dioxane
Concen: 10.377 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.28 min
Lab File: BG043319.D
Acq: 23 Oct 2019 21:53

Tgt Ion: 88 Resp: 7986
Ion Ratio Lower Upper
88 100
58 43.2 60.2 90.2#
43 2271.0 22.7 34.1#





#5

2-Fluorophenol

Concen: 131.130 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

Instrument :

BNA_G

ClientSampleId :

MAIN-STOCKPILE-SLP

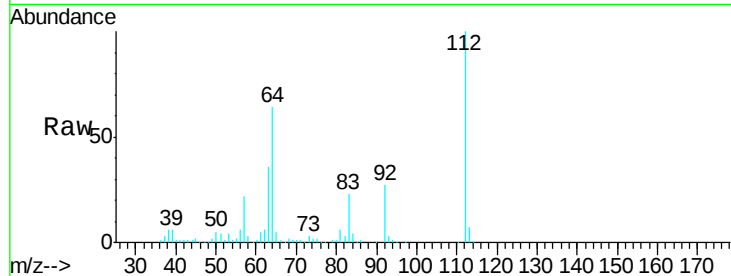
Tgt Ion: 112 Resp: 258976

Ion Ratio Lower Upper

112 100

64 64.4 50.2 75.2

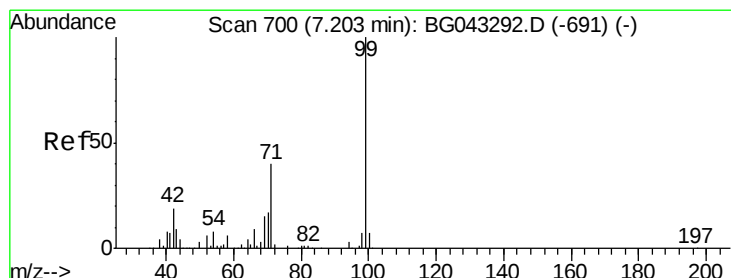
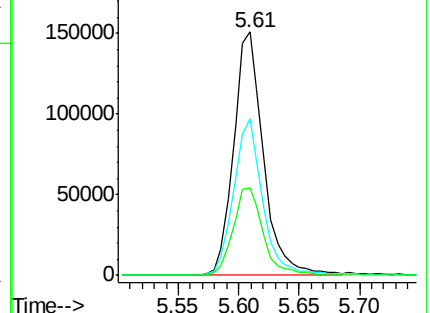
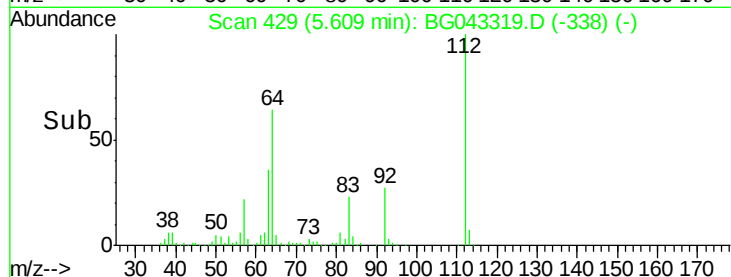
63 35.9 26.7 40.1



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: 124.729 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

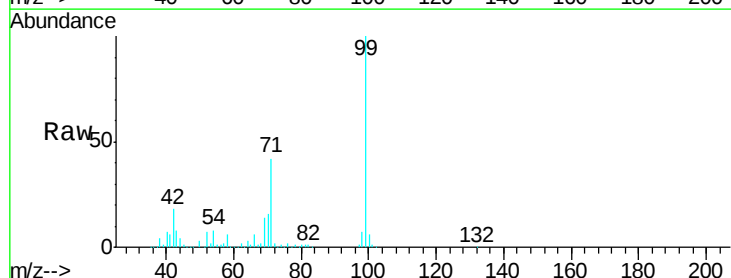
Tgt Ion: 99 Resp: 354416

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

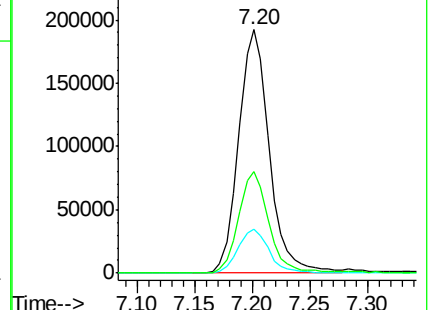
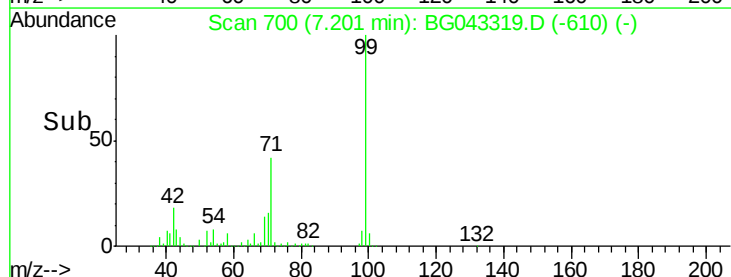
71 41.7 32.2 48.2

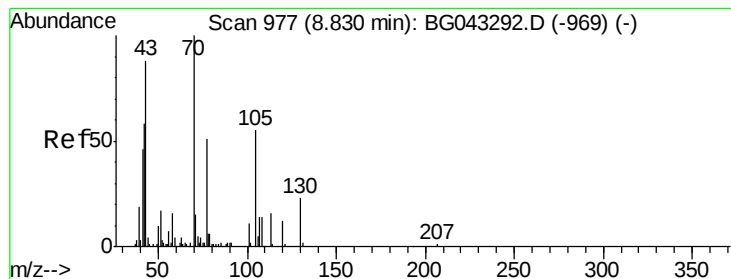


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.894 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

Instrument :

BNA_G

ClientSampleId :

MAIN-STOCKPILE-SLP

Tgt Ion: 70 Resp: 29184

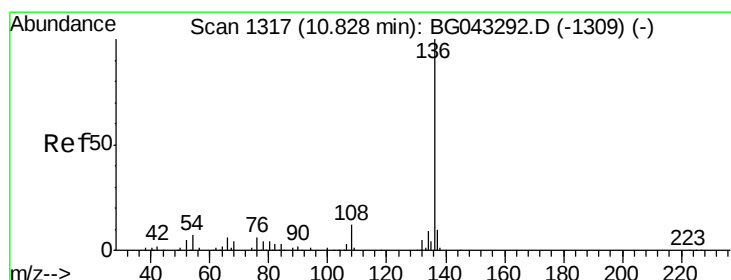
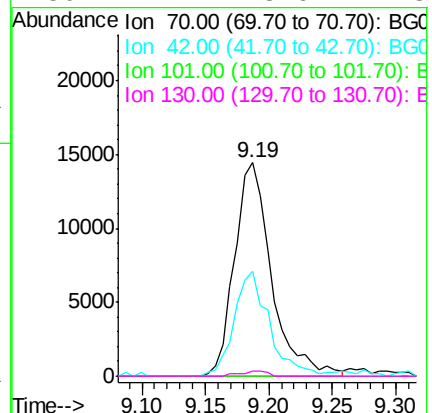
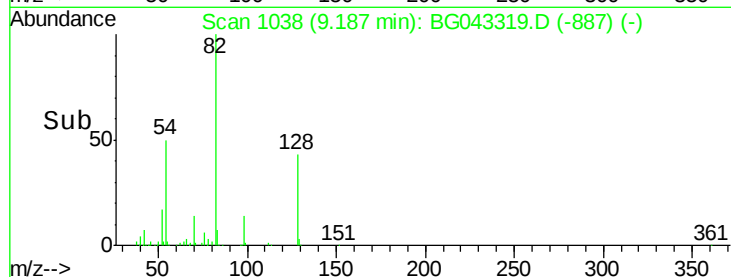
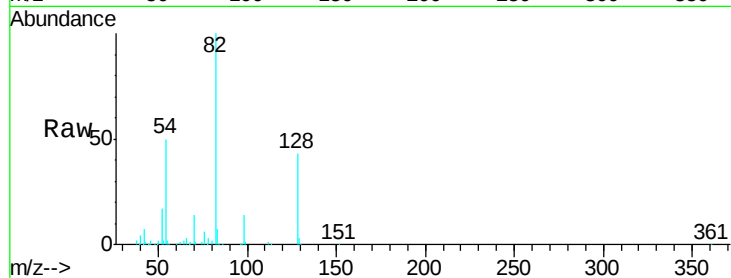
Ion Ratio Lower Upper

70 100

42 49.2 46.2 69.2

101 0.0 8.6 13.0#

130 2.4 18.6 27.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

Tgt Ion: 136 Resp: 116954

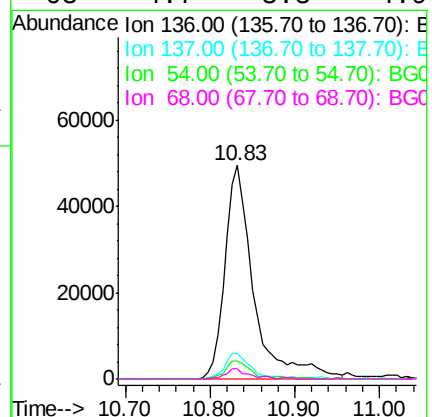
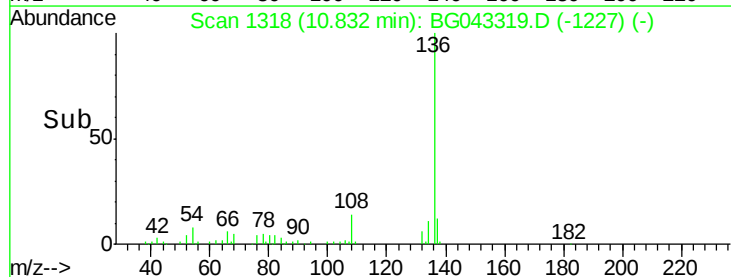
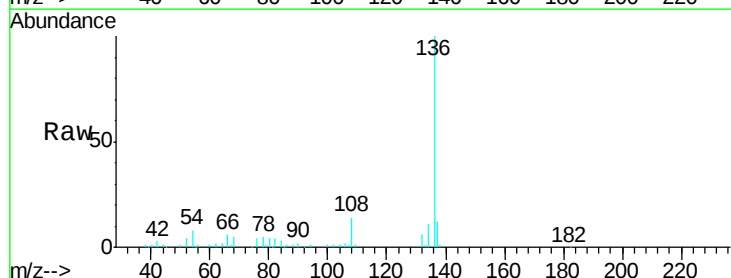
Ion Ratio Lower Upper

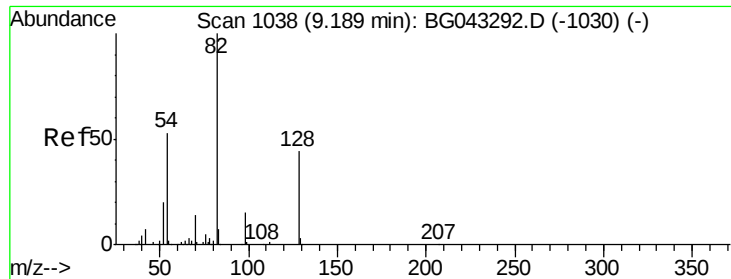
136 100

137 12.2 8.2 12.2

54 8.3 5.4 8.2#

68 4.7 3.3 4.9

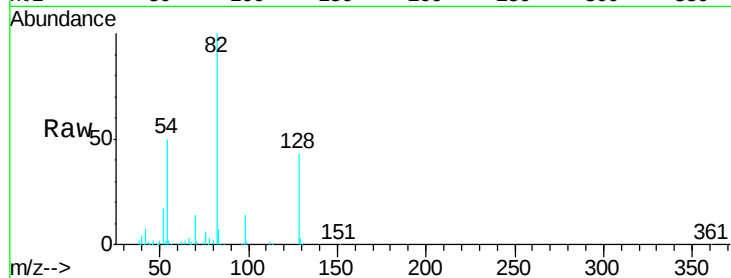




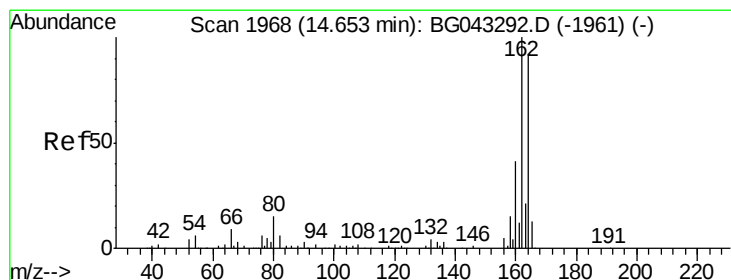
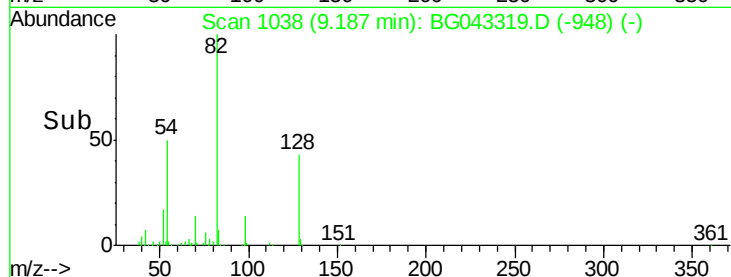
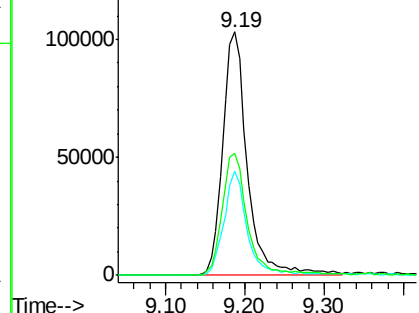
#23
 Nitrobenzene-d5
 Concen: 97.672 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

Instrument :
 BNA_G
 ClientSampleId :
 MAIN-STOCKPILE-SLP

Tgt Ion: 82 Resp: 221574
 Ion Ratio Lower Upper
 82 100
 128 42.8 35.3 52.9
 54 49.9 42.3 63.5

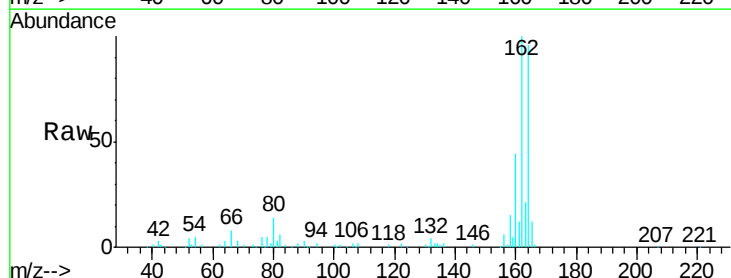


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

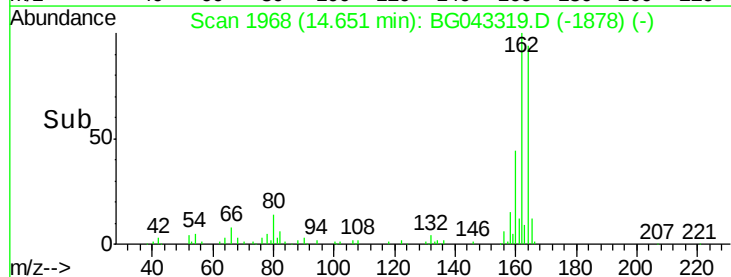
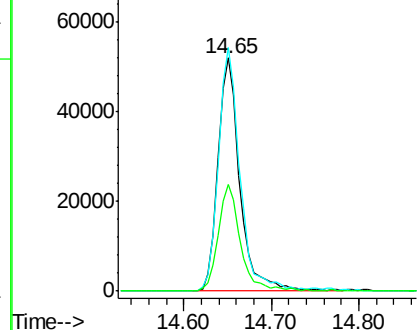


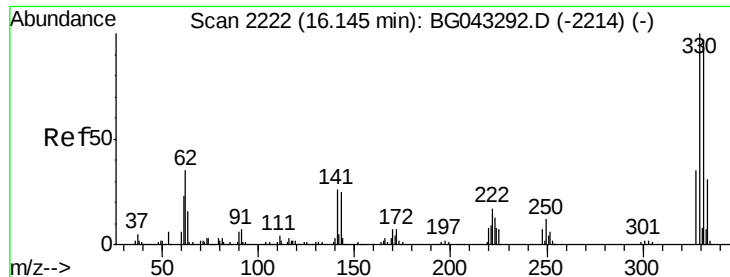
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

Tgt Ion: 164 Resp: 90848
 Ion Ratio Lower Upper
 164 100
 162 104.5 87.0 130.4
 160 45.9 35.5 53.3



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

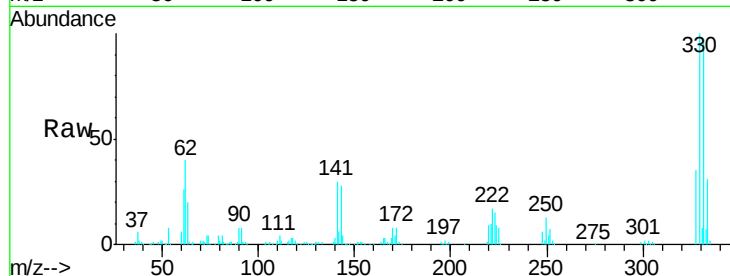




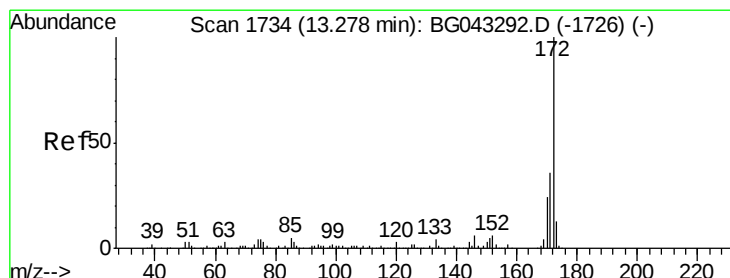
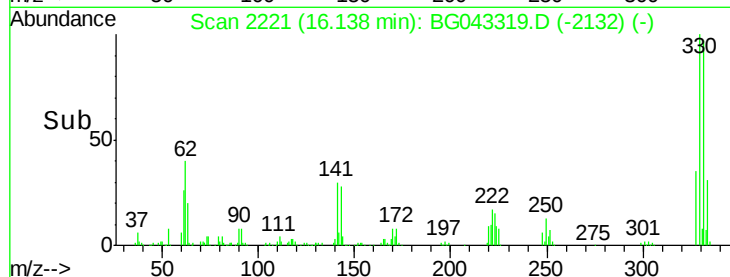
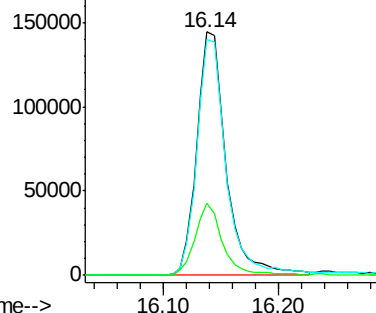
#42
 2,4,6-Tribromophenol
 Concen: 146.716 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

Instrument :
 BNA_G
 ClientSampleId :
 MAIN-STOCKPILE-SLP

Tgt Ion:330 Resp: 253648
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.4 114.6
 141 28.1 21.4 32.0

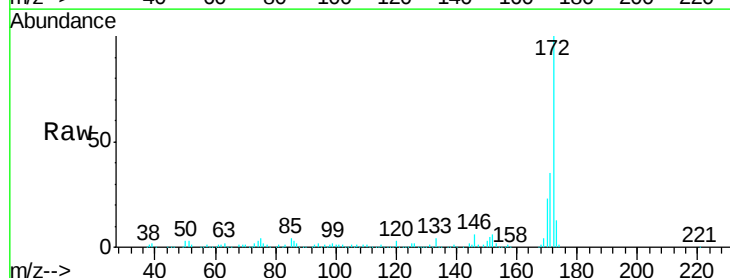


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

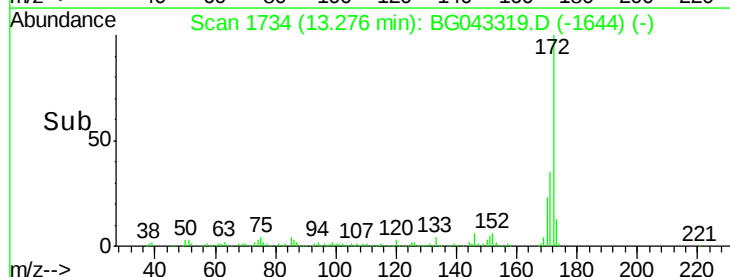
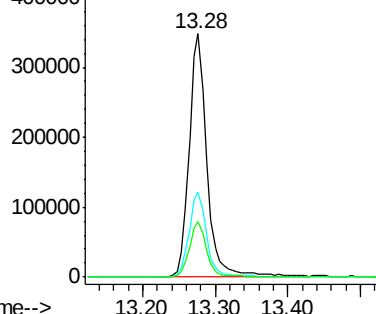


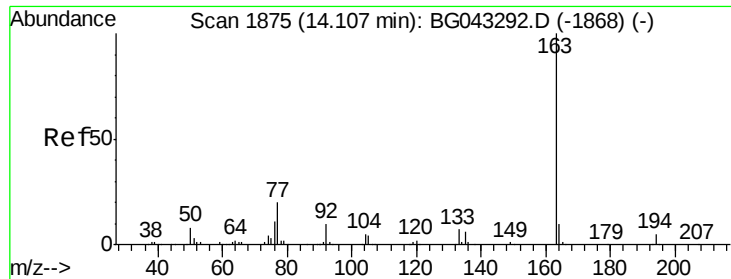
#45
 2-Fluorobiphenyl
 Concen: 90.573 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

Tgt Ion:172 Resp: 595484
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 22.6 18.8 28.2



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: 3.178 ng

RT: 14.11 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

Instrument :

BNA_G

ClientSampleId :

MAIN-STOCKPILE-SLP

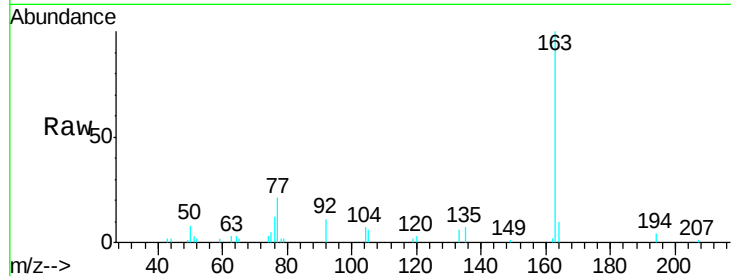
Tgt Ion:163 Resp: 22365

Ion Ratio Lower Upper

163 100

194 3.8 3.7 5.5

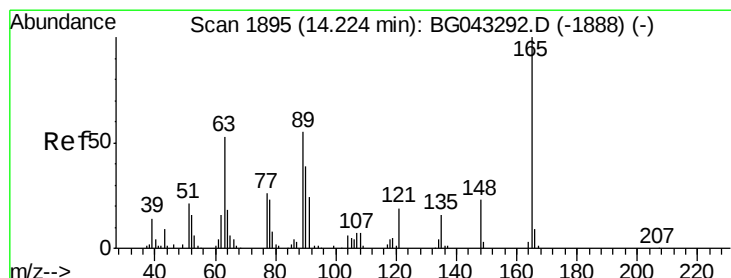
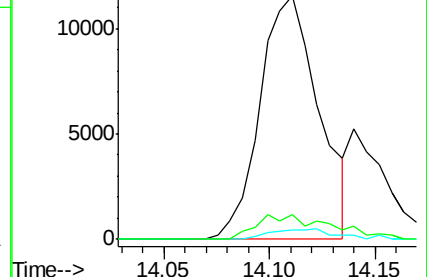
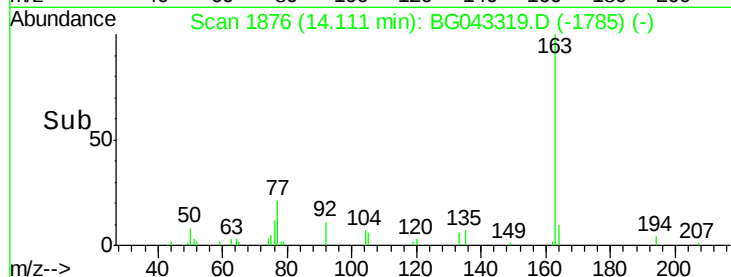
164 9.9 8.1 12.1



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: 7.381 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

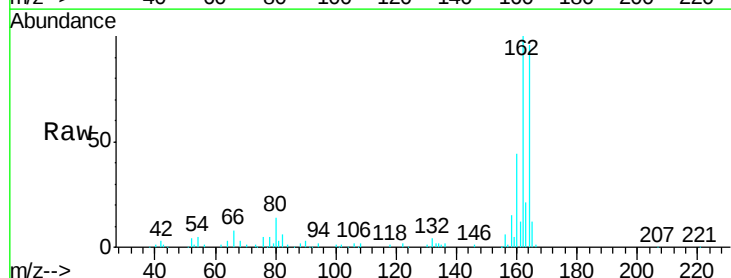
Tgt Ion:165 Resp: 11283

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

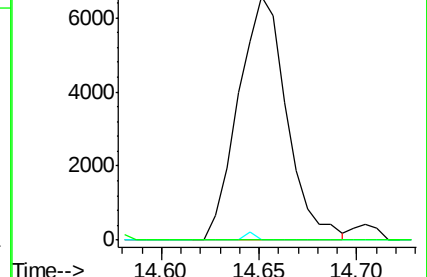
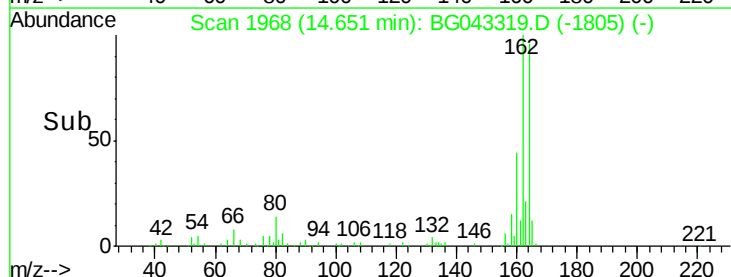
89 0.0 43.7 65.5#

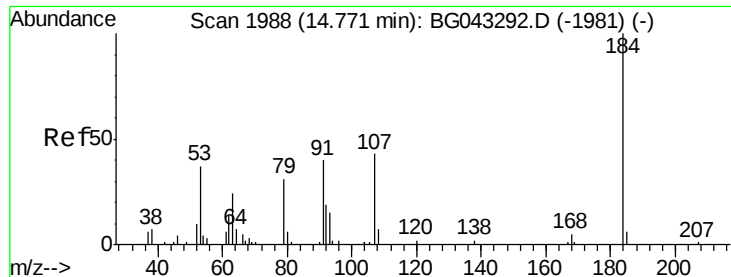


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

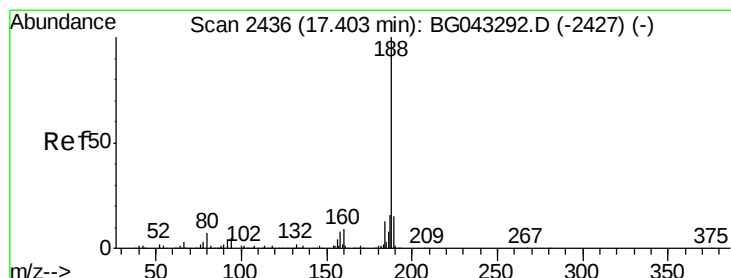
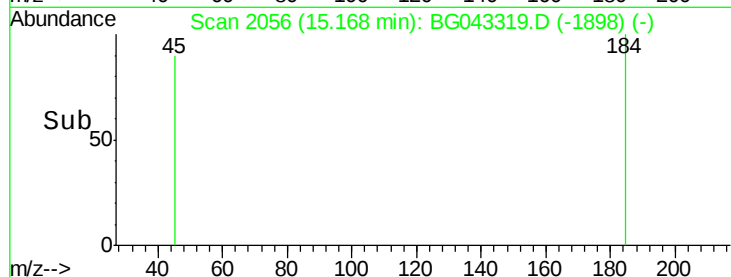
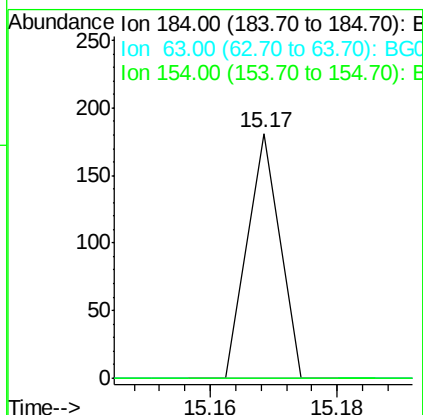
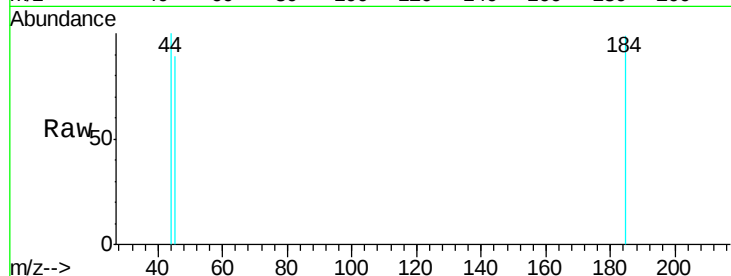




#54
 2,4-Dinitrophenol
 Concen: 7.344 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. 0.40 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

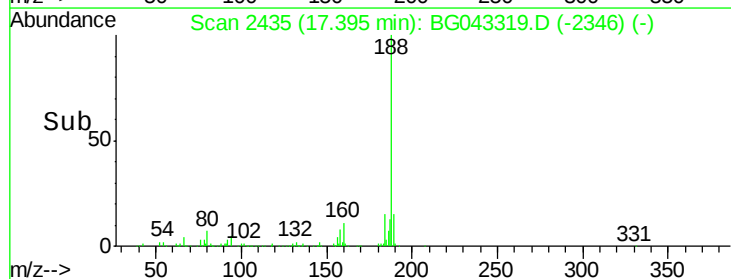
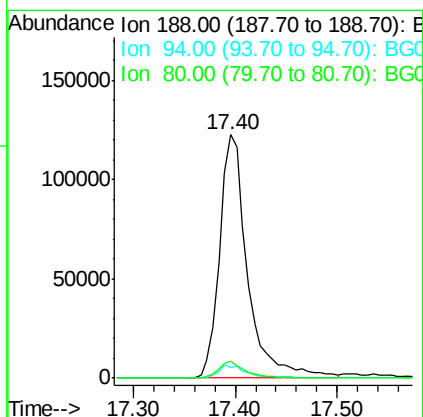
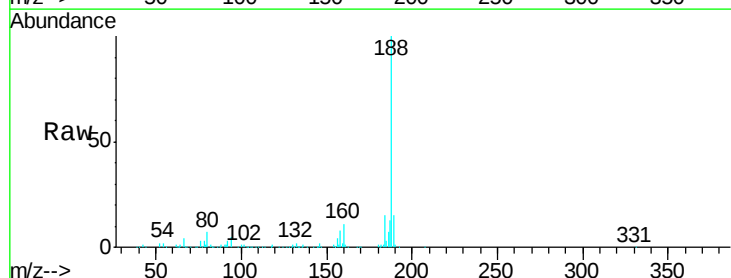
Instrument :
 BNA_G
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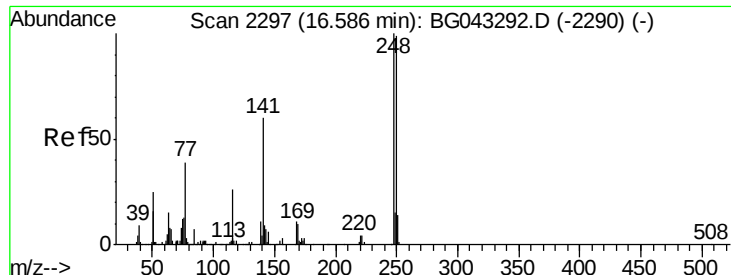
Tgt Ion:184 Resp: 64
 Ion Ratio Lower Upper
 184 100
 63 0.0 48.8 73.2#
 154 0.0 49.4 74.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043319.D
 Acq: 23 Oct 2019 21:53

Tgt Ion:188 Resp: 235273
 Ion Ratio Lower Upper
 188 100
 94 4.6 4.2 6.2
 80 6.9 5.2 7.8

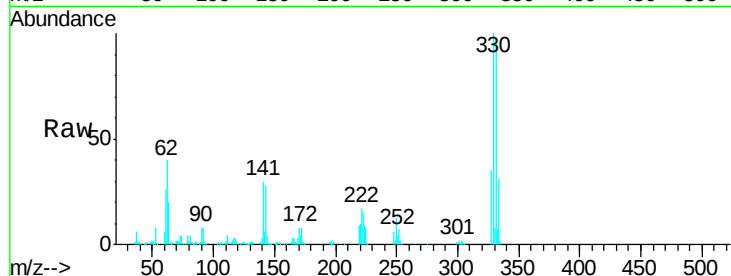




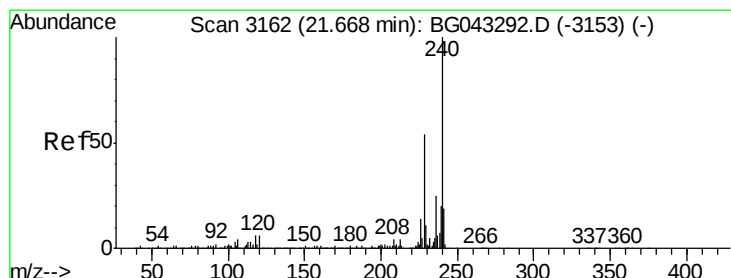
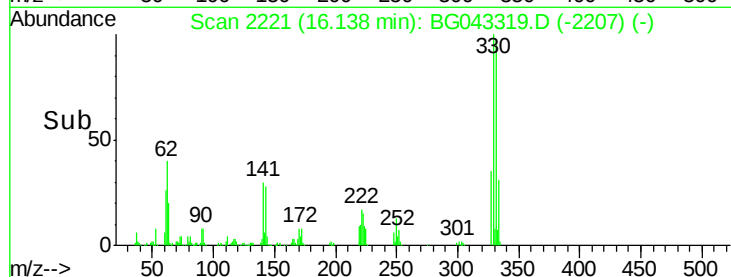
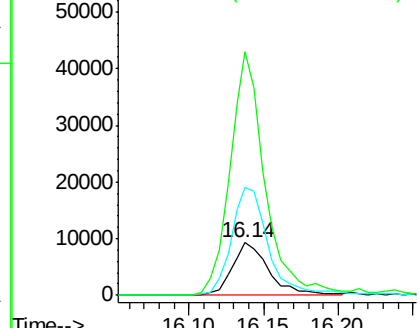
#67
4-Bromophenyl-phenylether
Concen: 5.017 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043319.D
Acq: 23 Oct 2019 21:53

Instrument :
BNA_G
ClientSampleId :
MAIN-STOCKPILE-SLP

Tgt Ion:248 Resp: 15886
Ion Ratio Lower Upper
248 100
250 205.3 79.3 118.9#
141 464.0 47.9 71.9#

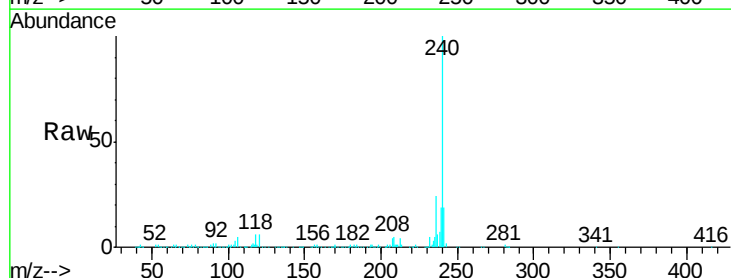


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

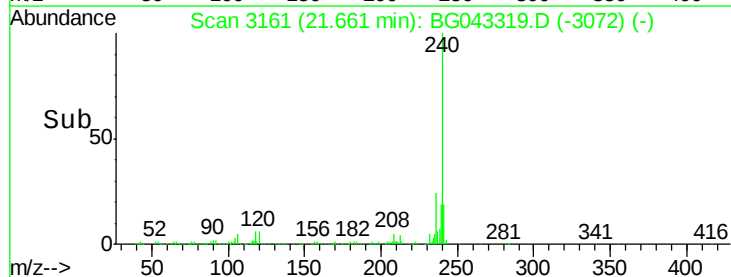
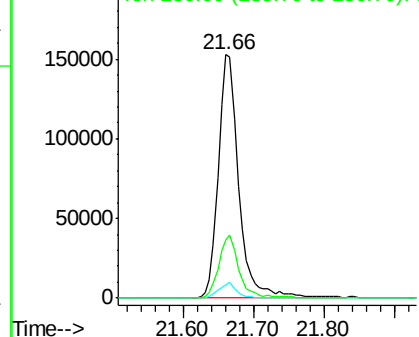


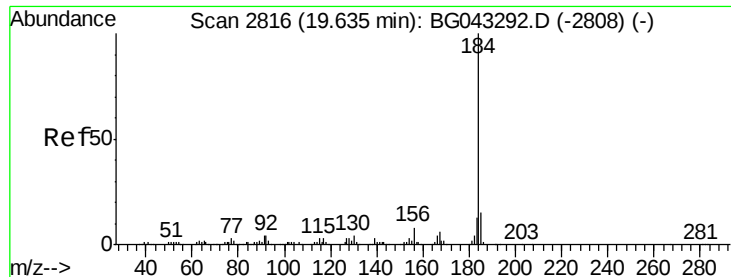
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043319.D
Acq: 23 Oct 2019 21:53

Tgt Ion:240 Resp: 307669
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 24.0 20.2 30.4



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: 3.752 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

Instrument :

BNA_G

ClientSampleId :

MAIN-STOCKPILE-SLP

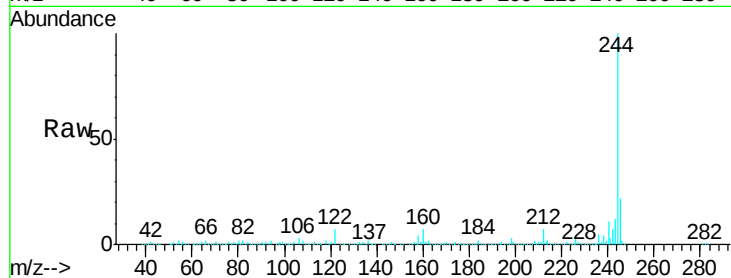
Tgt Ion:184 Resp: 23232

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.6

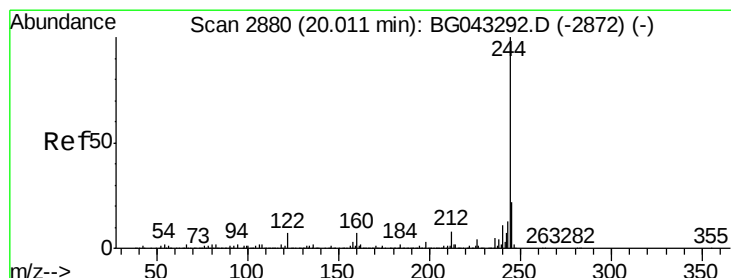
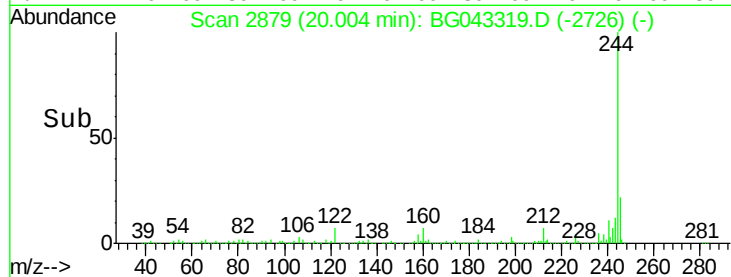
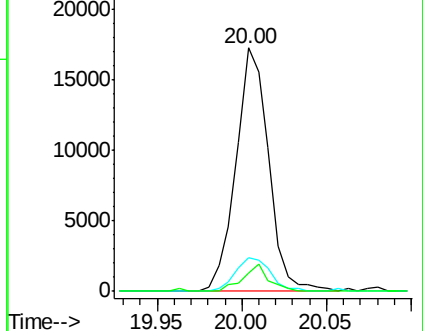
183 7.4 10.6 16.0#



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: 95.628 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043319.D

Acq: 23 Oct 2019 21:53

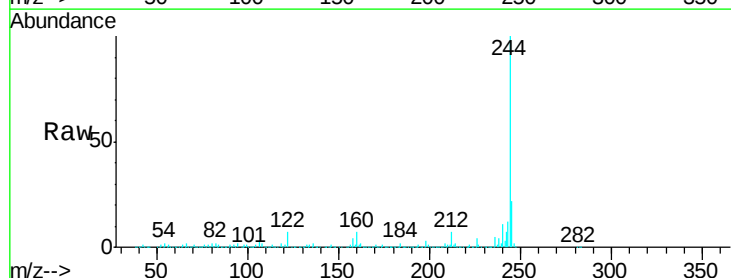
Tgt Ion:244 Resp: 1568279

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

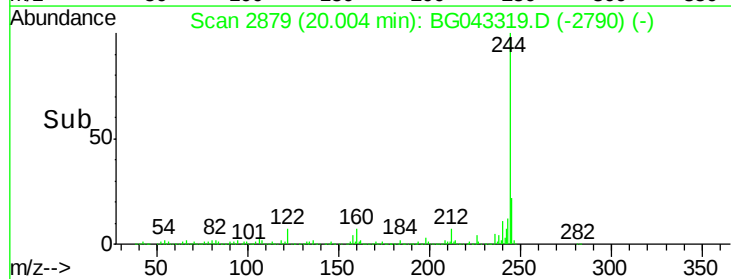
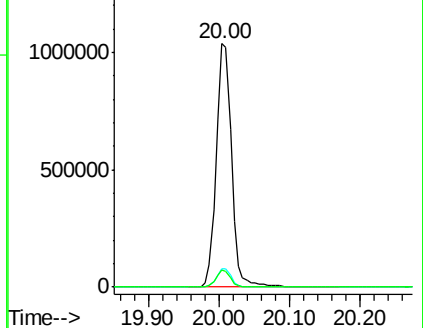
122 7.2 5.3 7.9

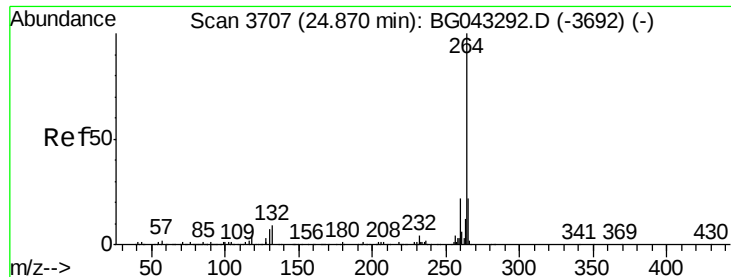


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

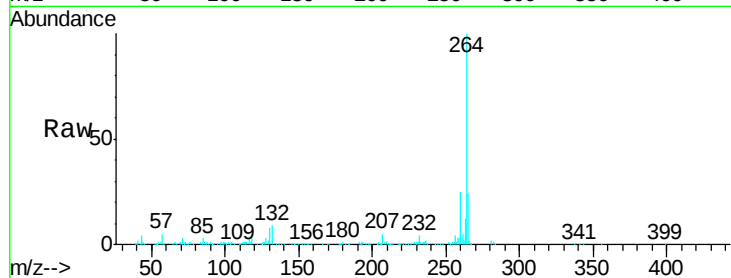




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043319.D
Acq: 23 Oct 2019 21:53

Instrument :
BNA_G
ClientSampleId :
MAIN-STOCKPILE-SLP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.9	26.9
265	23.7	17.4	26.2



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

