

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102319\
 Data File : BG043315.D
 Acq On : 23 Oct 2019 19:19
 Operator : JU
 Sample : K5139-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-102119

Quant Time: Oct 24 06:51:48 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	8.03	152	35498	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	114517	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	90560	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	241189	20.00	ng	0.00
76) Chrysene-d12	21.67	240	299650	20.00	ng	0.00
87) Perylene-d12	24.86	264	346829	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	250098	129.10	ng	0.00
7) Phenol-d6	7.20	99	341048	122.36	ng	0.00
23) Nitrobenzene-d5	9.19	82	209376	94.26	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	248009	143.91	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	596801	91.06	ng	0.00
79) Terphenyl-d14	20.01	244	1492681	93.45	ng	0.00

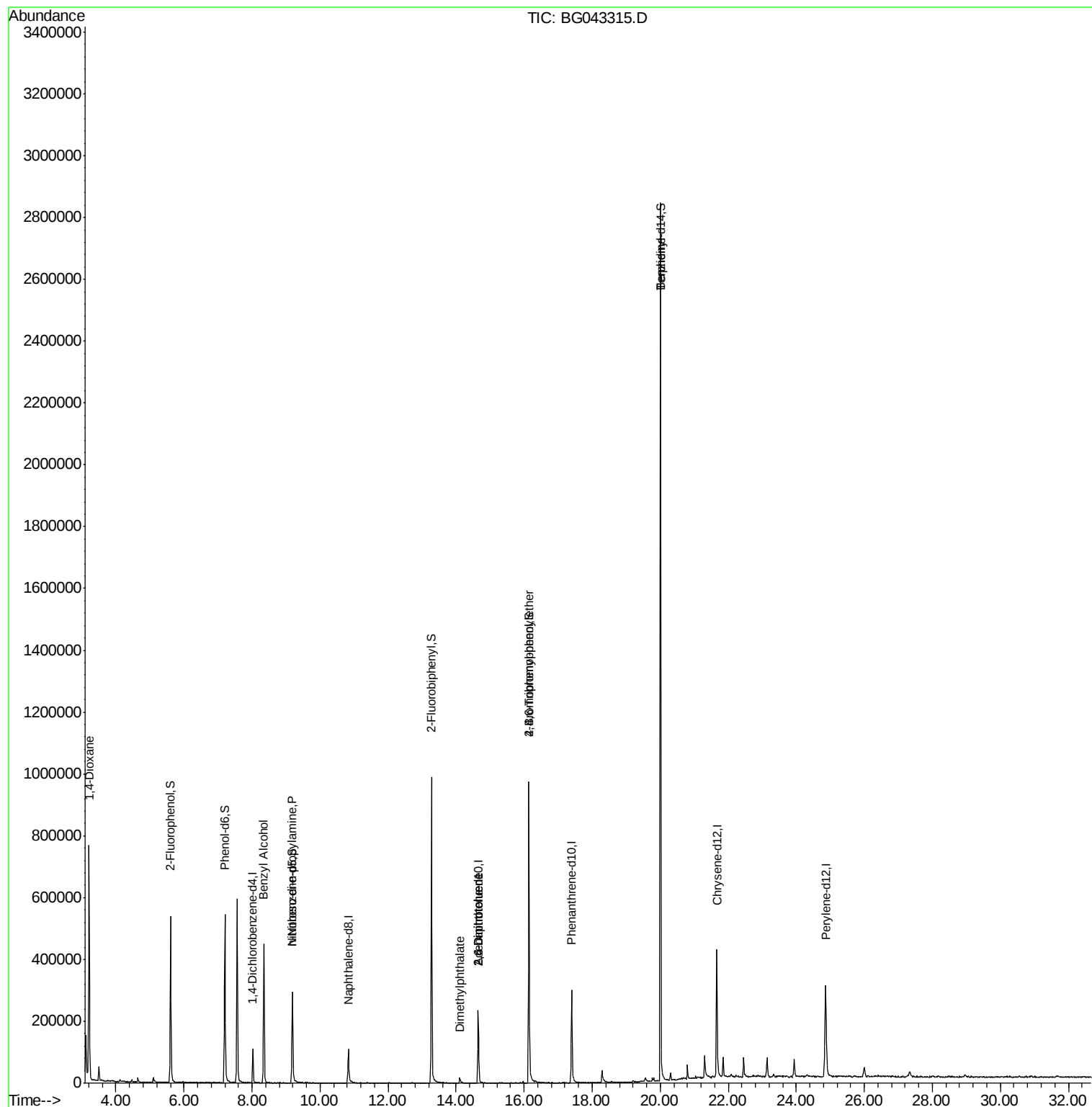
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	8710	11.538	ng	# 1
15) Benzyl Alcohol	8.35	79	4337	2.216	ng	# 75
19) n-Nitroso-di-n-propylamine	9.19	70	29888	16.595	ng	# 66
50) Dimethylphthalate	14.11	163	18734	2.671	ng	# 94
51) 2,6-Dinitrotoluene	14.65	165	13101	8.597	ng	# 28
57) 2,4-Dinitrotoluene	14.65	165	13100	6.015	ng	# 30
67) 4-Bromophenyl-phenylether	16.14	248	15938	4.910	ng	# 1
77) Benzidine	20.00	184	22545	3.738	ng	# 88

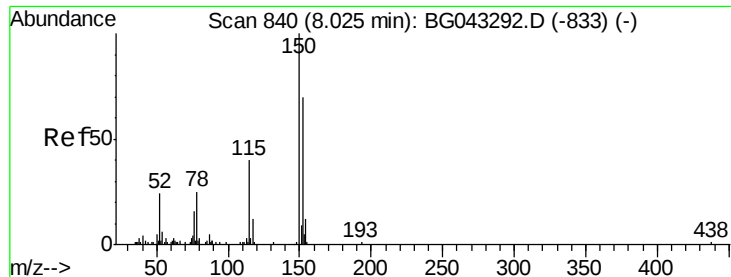
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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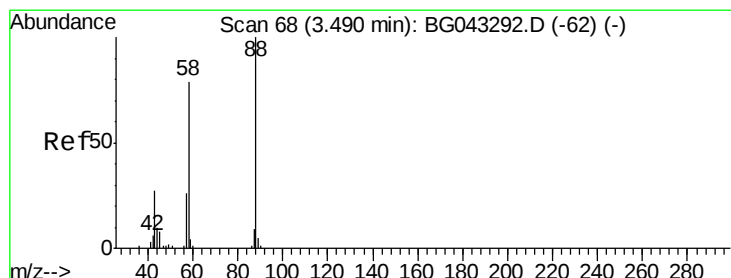
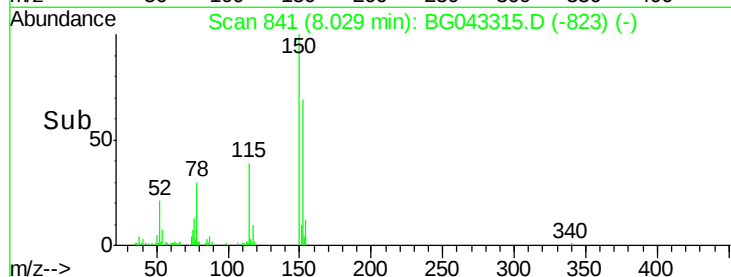
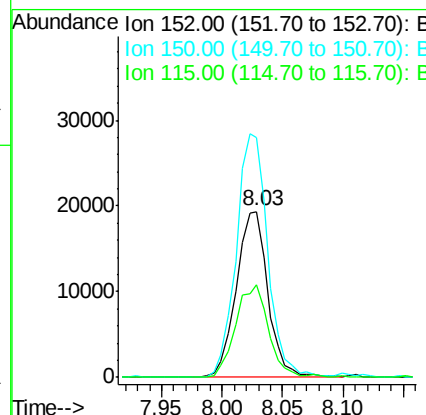
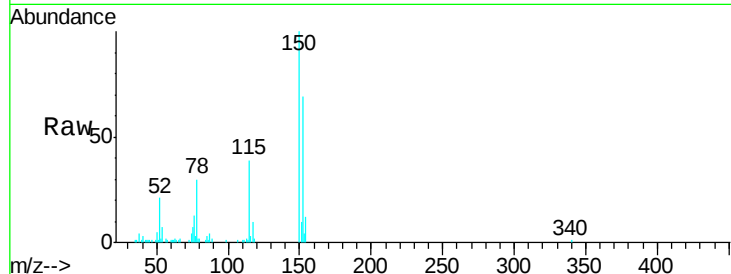


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-102119

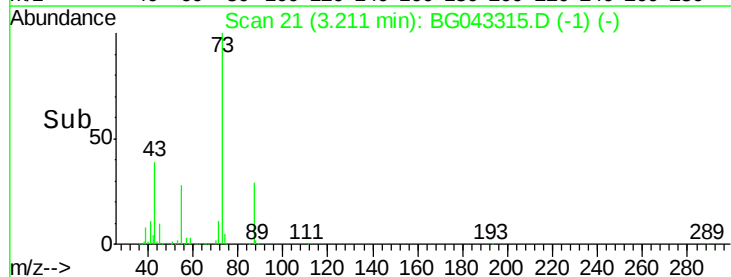
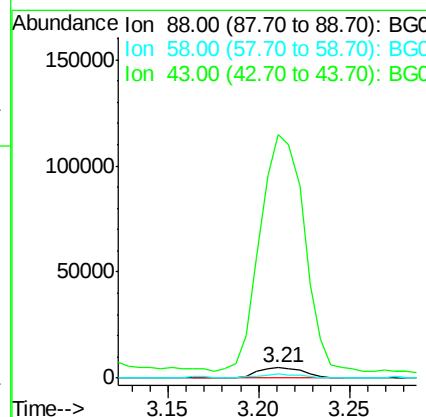
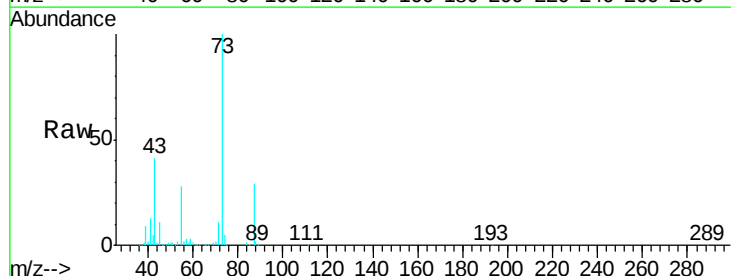
Tgt Ion:152 Resp: 35498
 Ion Ratio Lower Upper
 152 100
 150 144.8 113.6 170.4
 115 56.1 45.9 68.9

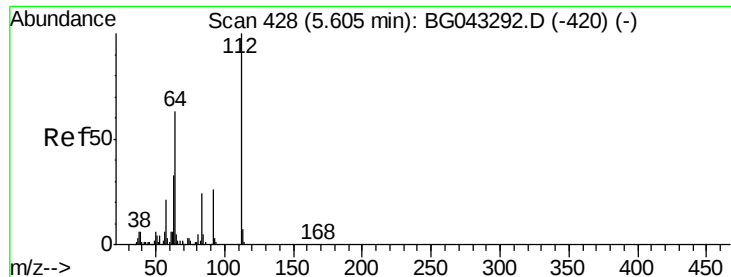


#2

1,4-Dioxane
 Concen: 11.538 ng
 RT: 3.21 min Scan# 21
 Delta R.T. -0.28 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

Tgt Ion: 88 Resp: 8710
 Ion Ratio Lower Upper
 88 100
 58 34.1 60.2 90.2#
 43 2163.5 22.7 34.1#





#5

2-Fluorophenol

Concen: 129.103 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

BNA_G

ClientSampleId :

BU-03-102119

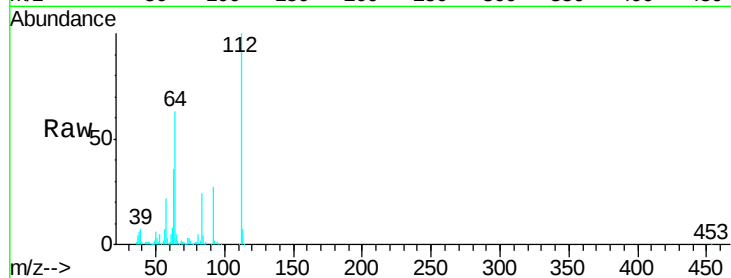
Tgt Ion: 112 Resp: 250098

Ion Ratio Lower Upper

112 100

64 63.0 50.2 75.2

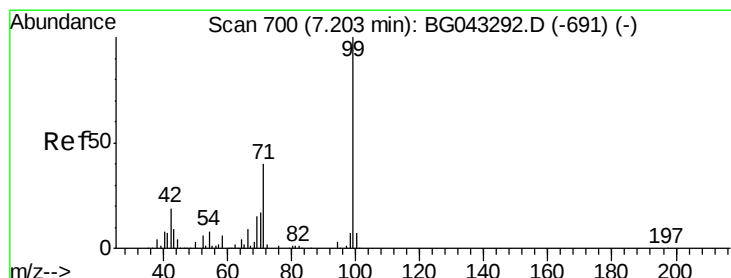
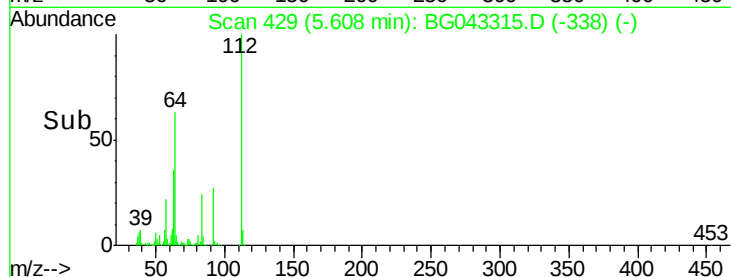
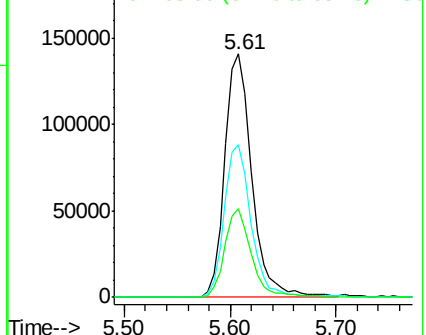
63 36.5 26.7 40.1



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: 122.364 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

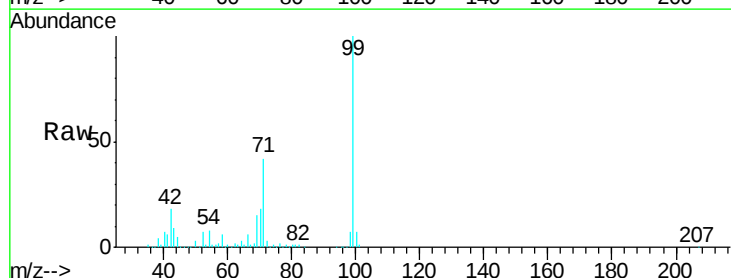
Tgt Ion: 99 Resp: 341048

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

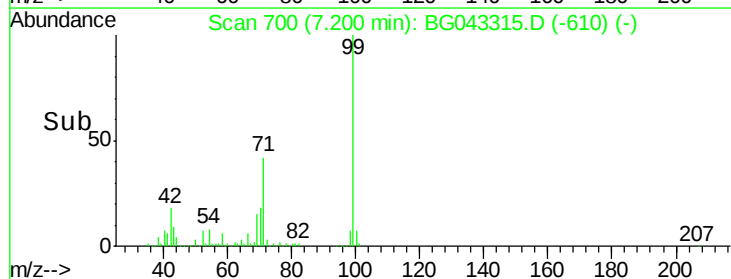
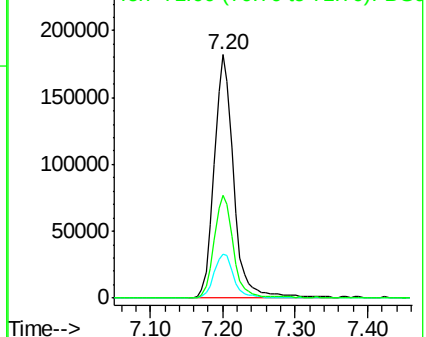
71 42.1 32.2 48.2

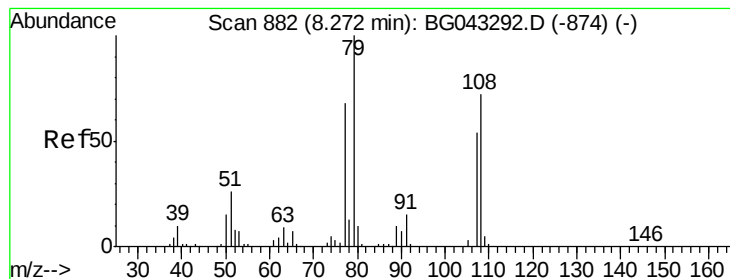


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.216 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

BNA_G

ClientSampleId :

BU-03-102119

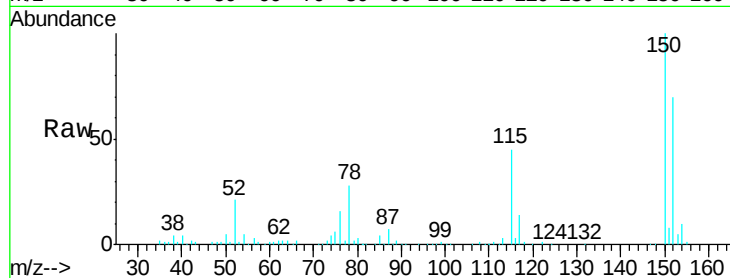
Tgt Ion: 79 Resp: 4337

Ion Ratio Lower Upper

79 100

108 33.1 57.3 85.9#

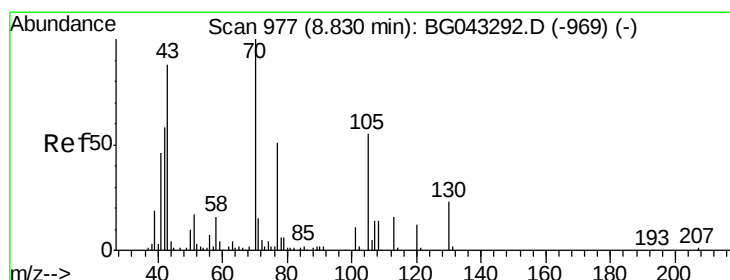
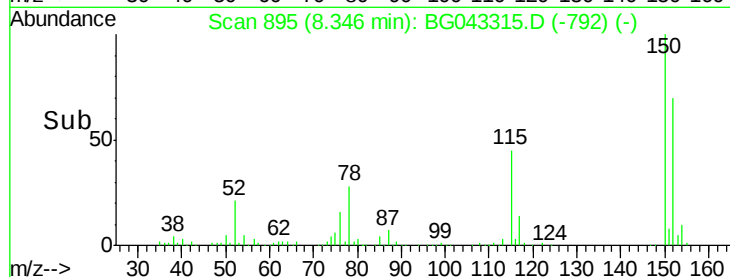
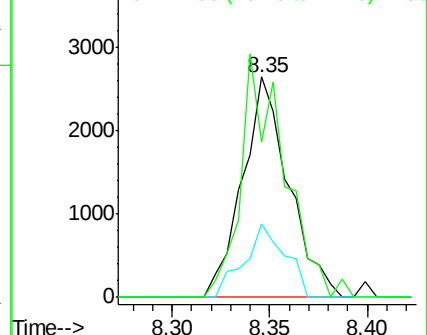
77 70.6 54.6 81.8



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.595 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Tgt Ion: 70 Resp: 29888

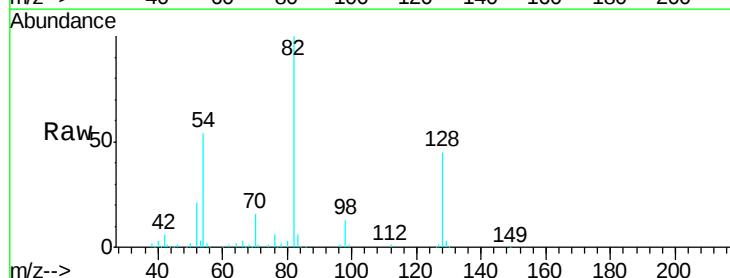
Ion Ratio Lower Upper

70 100

42 35.2 46.2 69.2#

101 0.0 8.6 13.0#

130 1.1 18.6 27.8#

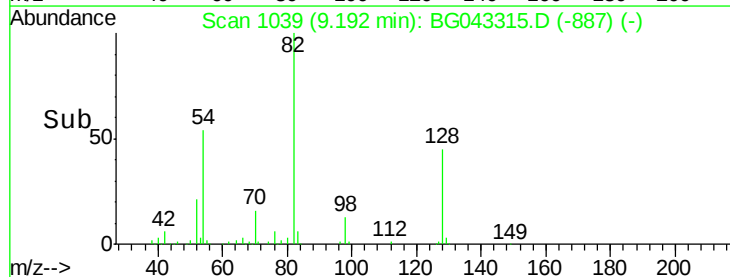
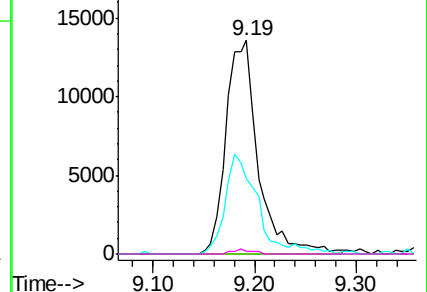


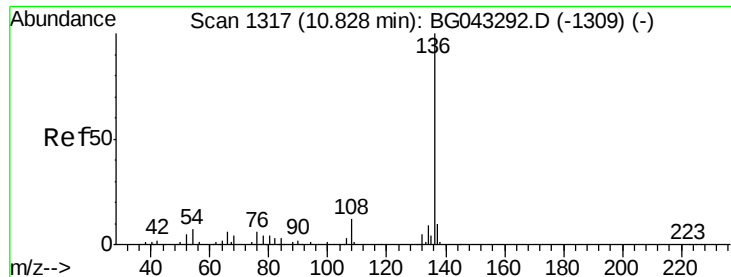
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

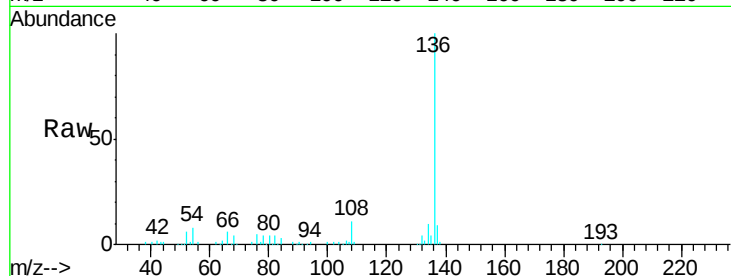




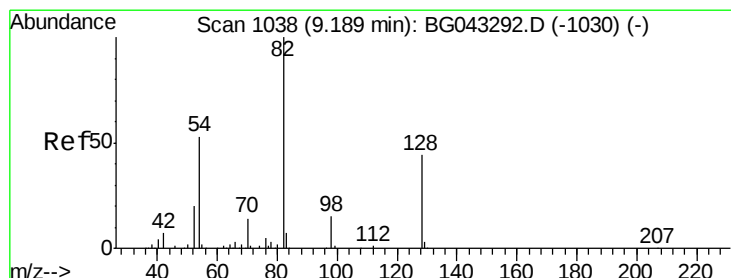
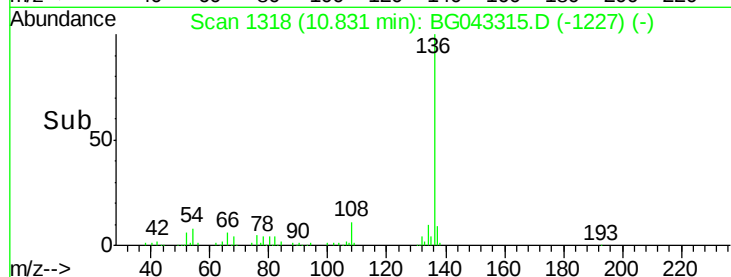
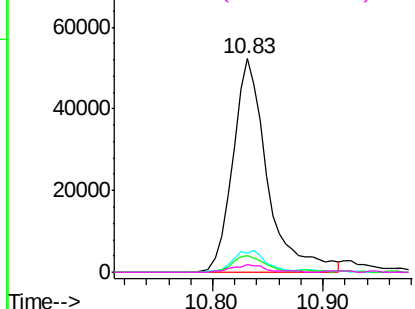
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043315.D
Acq: 23 Oct 2019 19:19

Instrument :
BNA_G
ClientSampleId :
BU-03-102119

Tgt Ion:	136	Resp:	114517
Ion	Ratio	Lower	Upper
136	100		
137	9.2	8.2	12.2
54	7.6	5.4	8.2
68	3.8	3.3	4.9

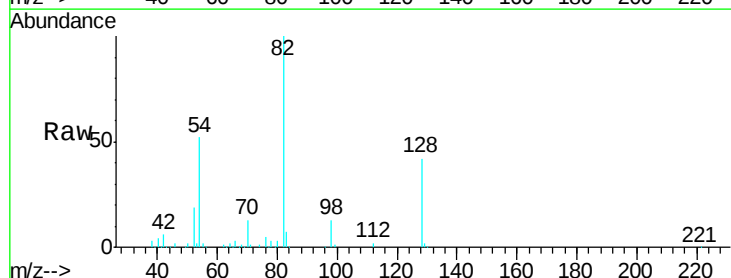


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

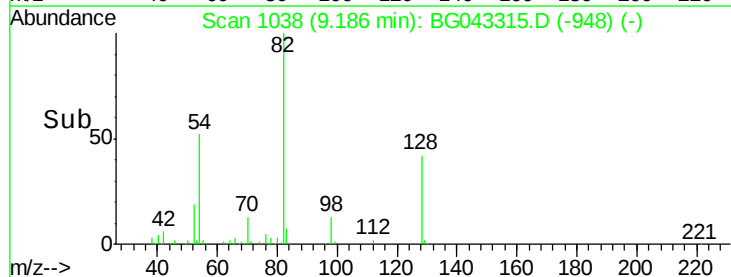
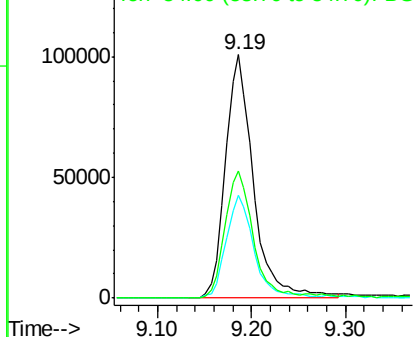


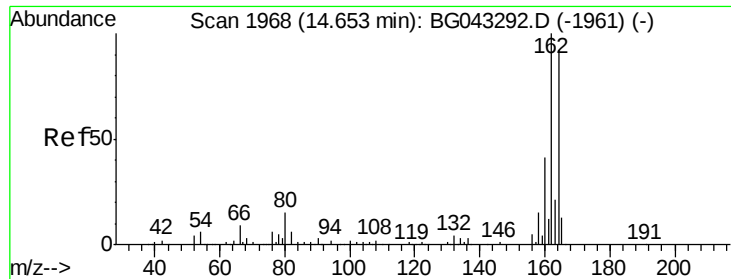
#23
Nitrobenzene-d5
Concen: 94.259 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043315.D
Acq: 23 Oct 2019 19:19

Tgt Ion:	82	Resp:	209376
Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	52.1	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: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

BNA_G

ClientSampleId :

BU-03-102119

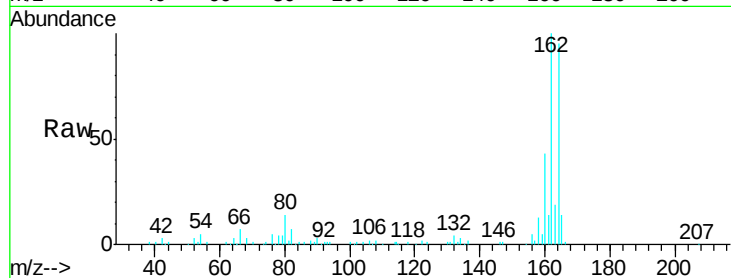
Tgt Ion:164 Resp: 90560

Ion Ratio Lower Upper

164 100

162 105.3 87.0 130.4

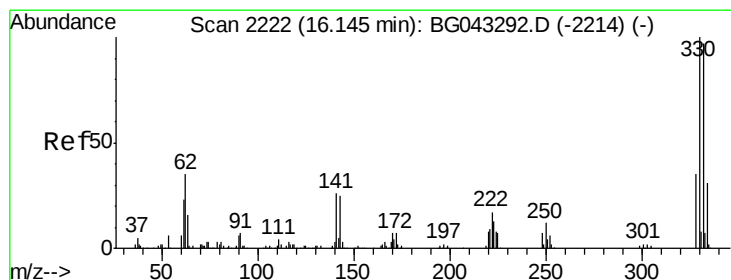
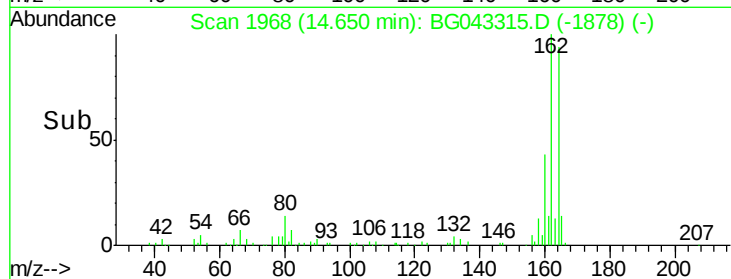
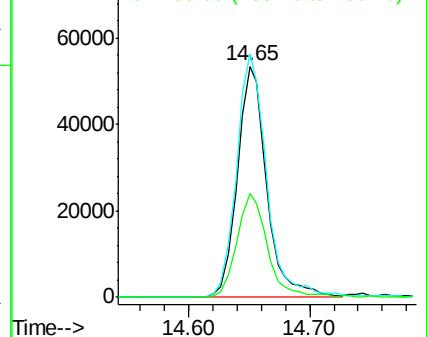
160 44.9 35.5 53.3



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: 143.910 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

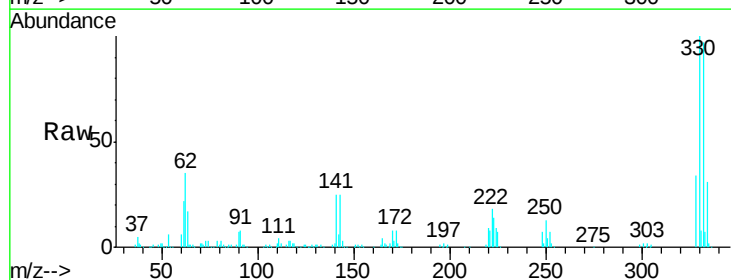
Tgt Ion:330 Resp: 248009

Ion Ratio Lower Upper

330 100

332 97.8 76.4 114.6

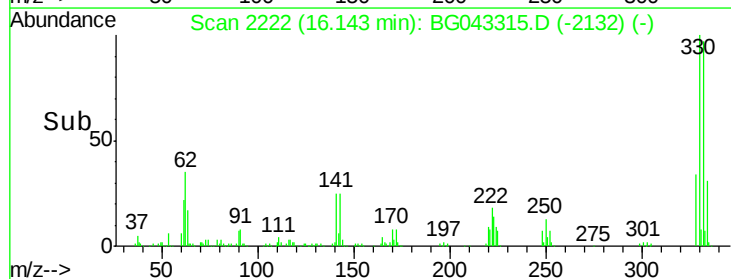
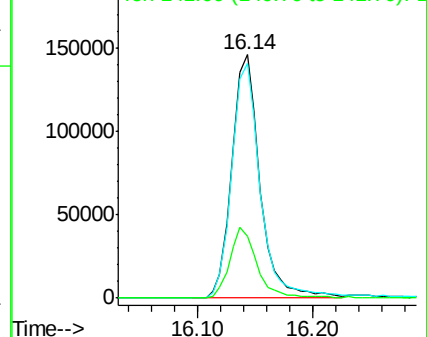
141 28.3 21.4 32.0

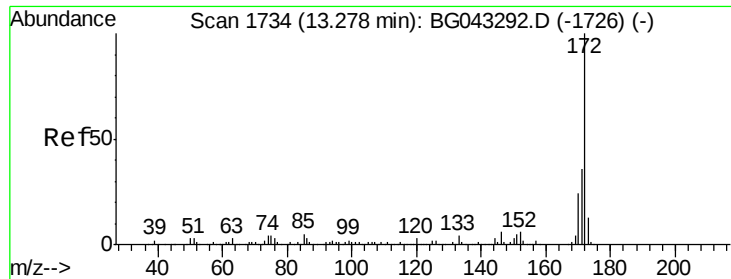


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

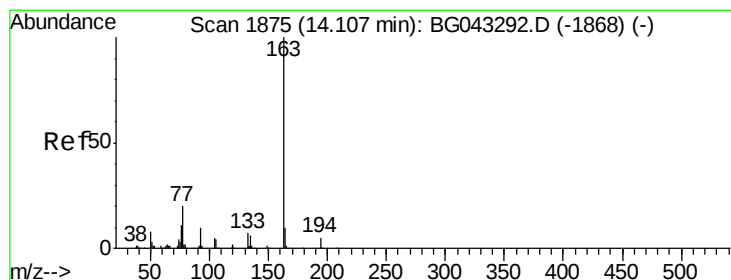
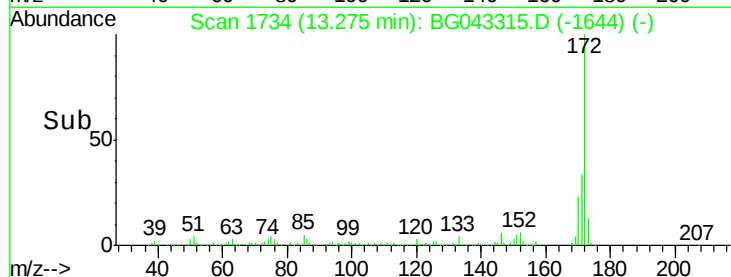
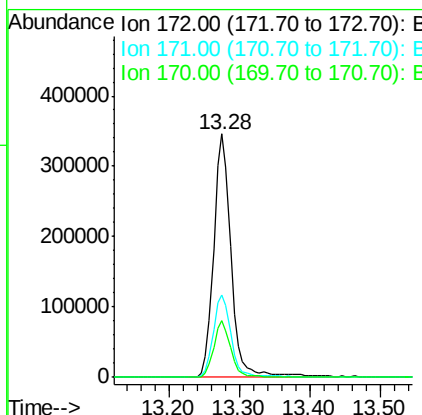
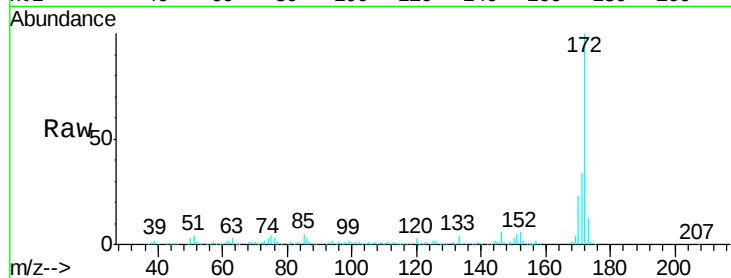




#45
 2-Fluorobiphenyl
 Concen: 91.062 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

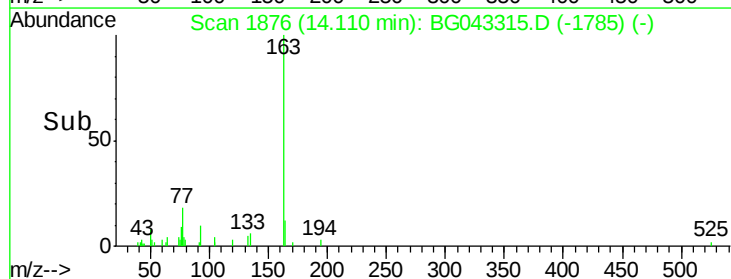
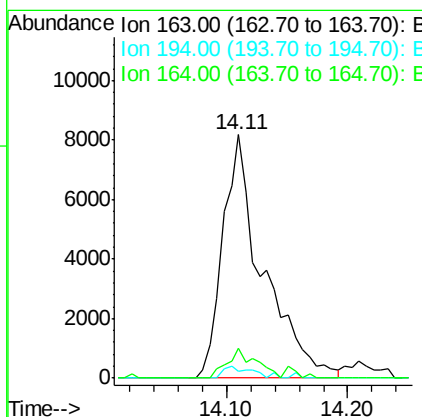
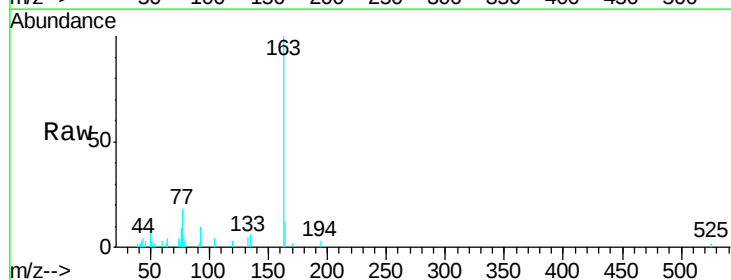
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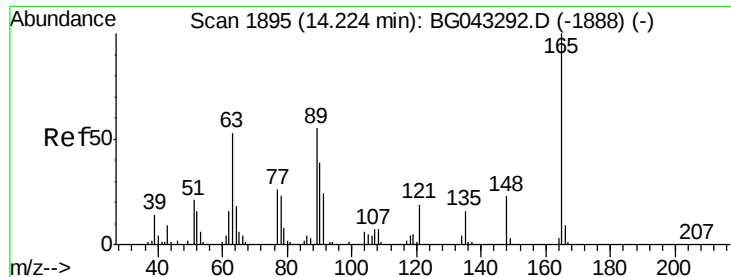
Tgt Ion:172 Resp: 596801
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.5 42.7
 170 23.1 18.8 28.2



#50
 Dimethylphthalate
 Concen: 2.671 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

Tgt Ion:163 Resp: 18734
 Ion Ratio Lower Upper
 163 100
 194 2.6 3.7 5.5#
 164 12.3 8.1 12.1#

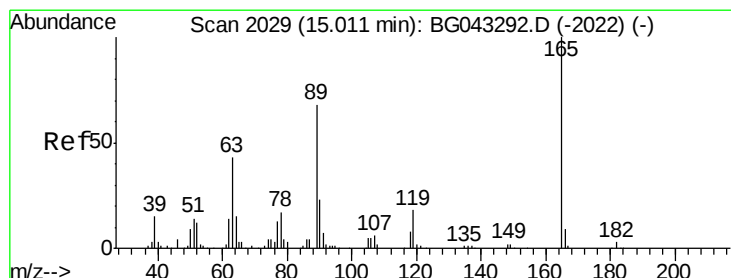
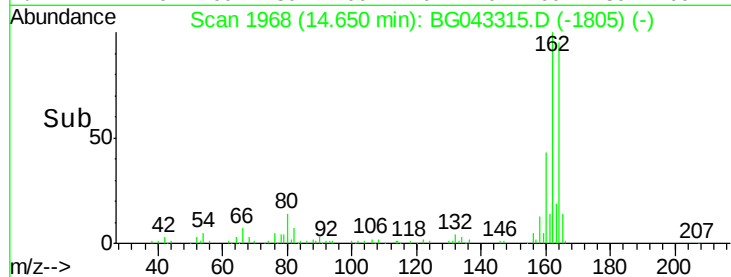
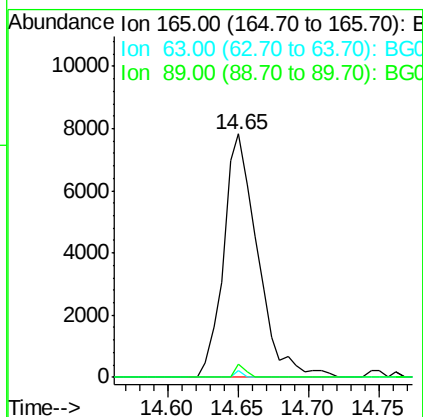
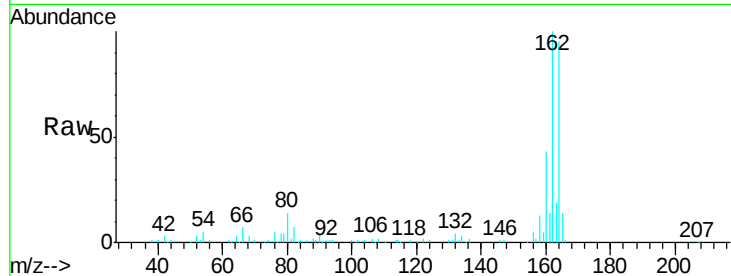




#51
 2,6-Dinitrotoluene
 Concen: 8.597 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

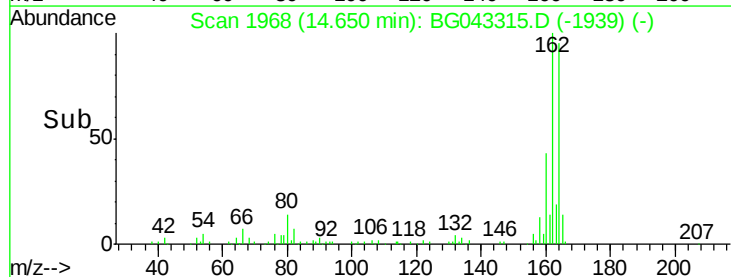
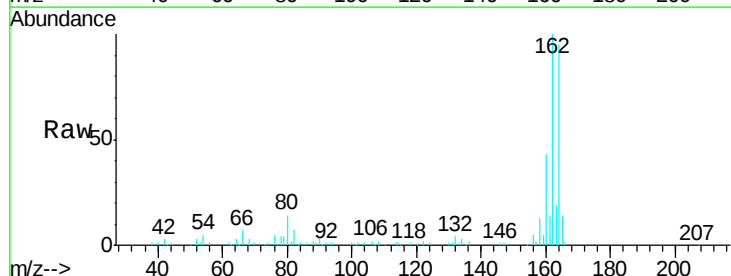
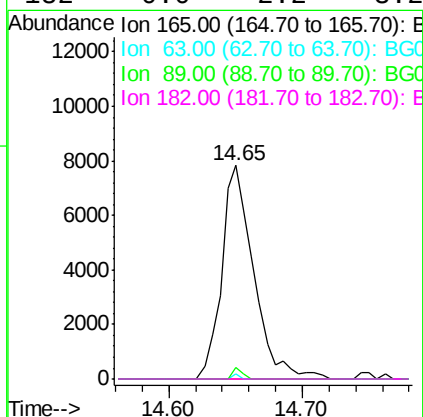
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-102119

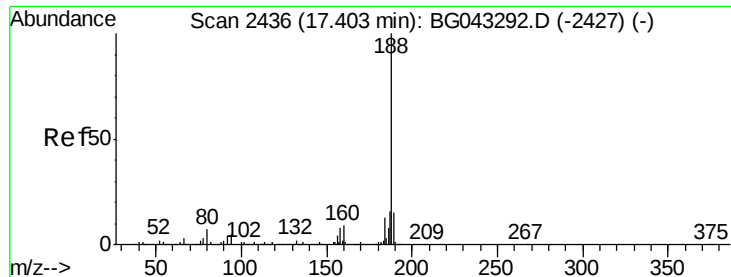
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	47.1	70.7#
89	5.4	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.015 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043315.D
 Acq: 23 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	35.0	52.6#
89	5.4	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

BNA_G

ClientSampleId :

BU-03-102119

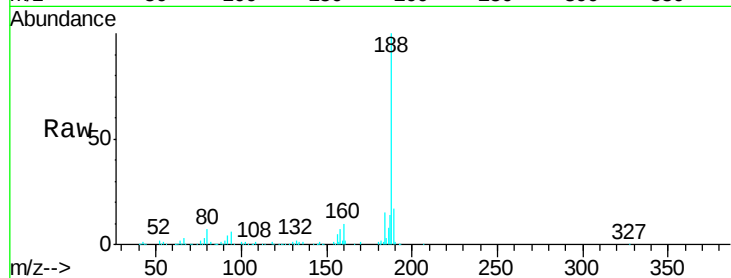
Tgt Ion:188 Resp: 241189

Ion Ratio Lower Upper

188 100

94 6.1 4.2 6.2

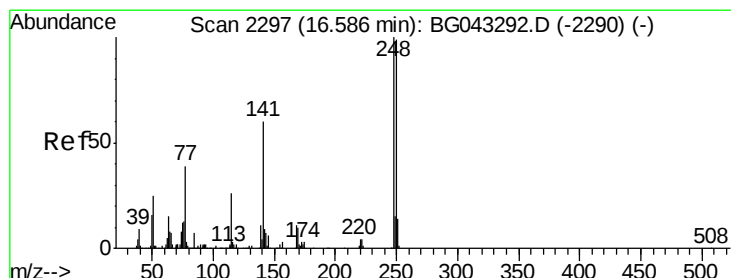
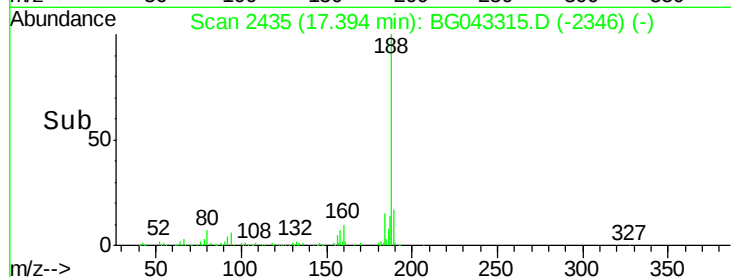
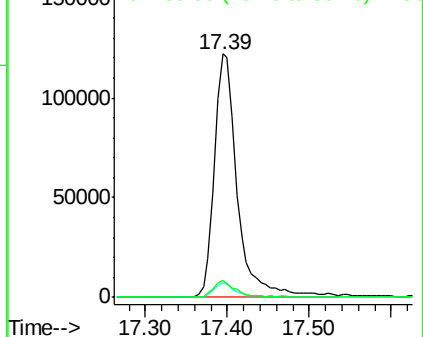
80 7.1 5.2 7.8



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: 4.910 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

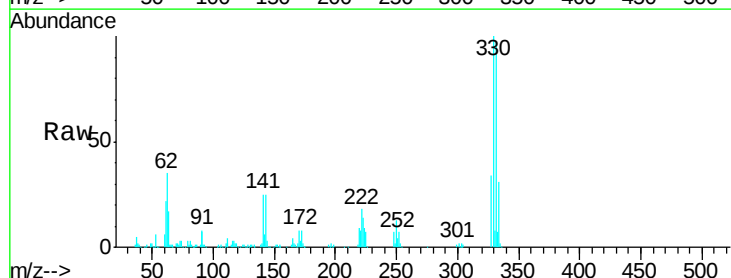
Tgt Ion:248 Resp: 15938

Ion Ratio Lower Upper

248 100

250 194.0 79.3 118.9#

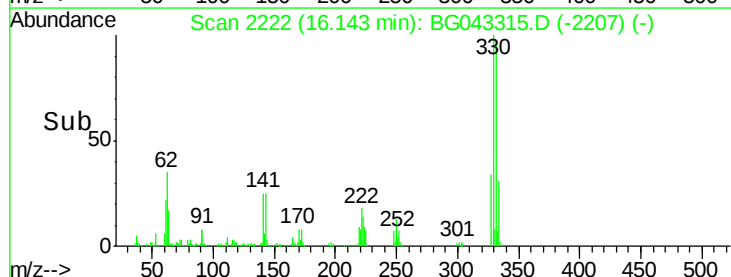
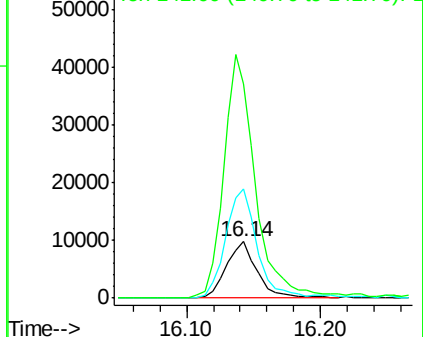
141 378.3 47.9 71.9#

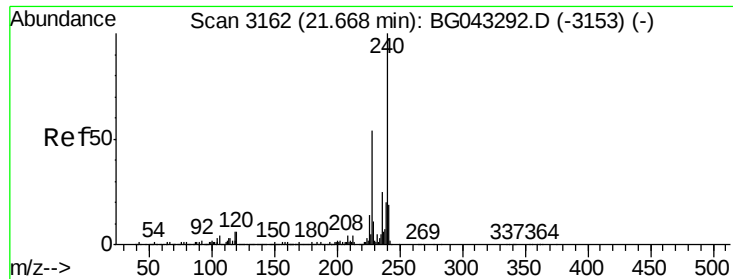


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

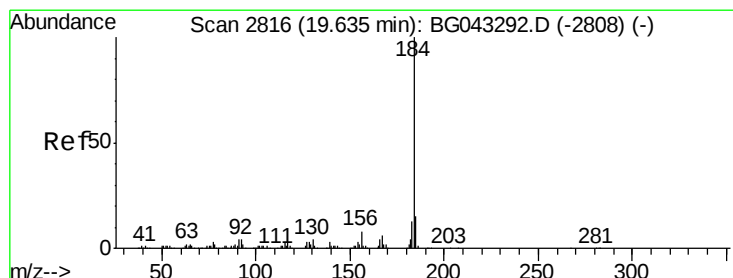
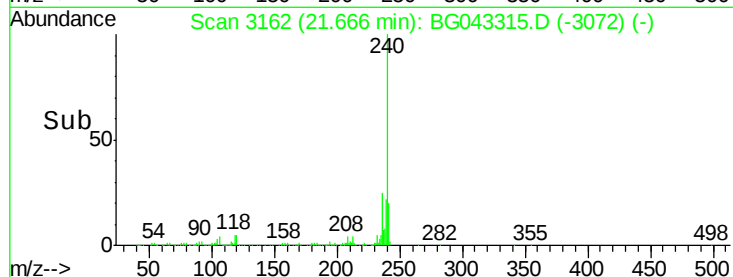
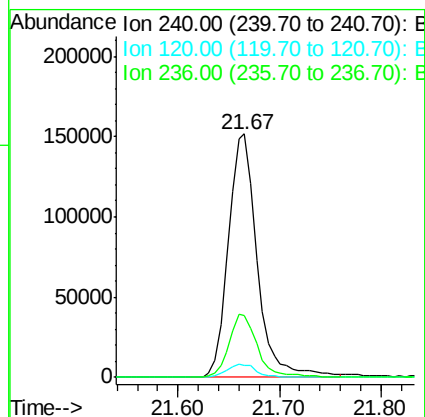
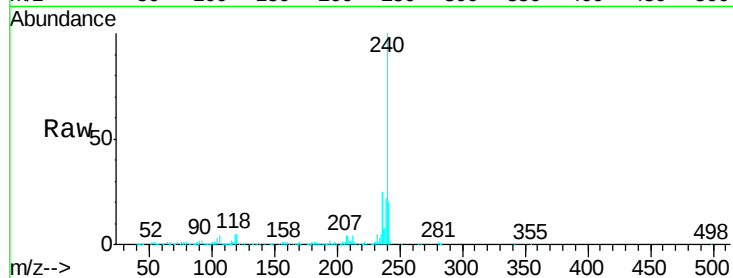
BNA_G

ClientSampleId :

BU-03-102119

Tgt Ion:240 Resp: 299650

Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.6	7.0
236	25.2	20.2	30.4



#77

Benzidine

Concen: 3.738 ng

RT: 20.00 min Scan# 2879

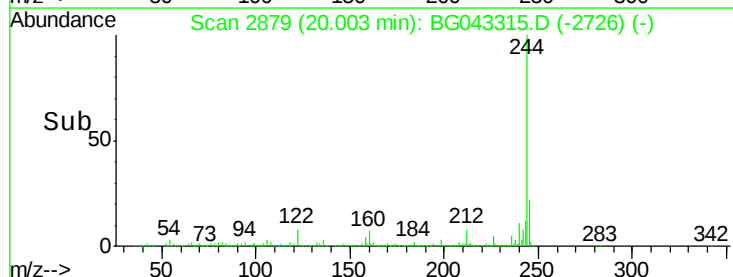
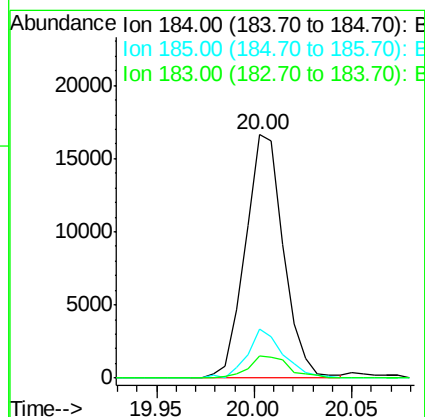
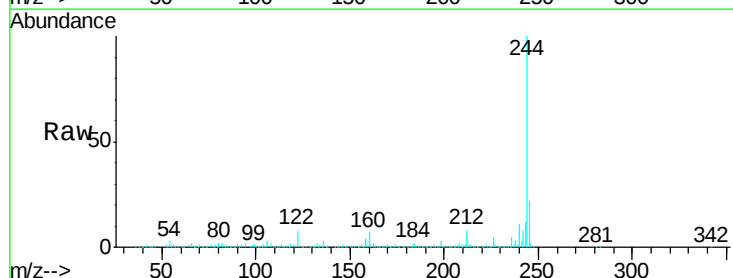
Delta R.T. 0.37 min

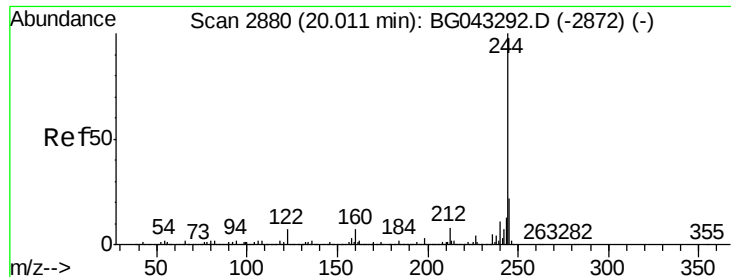
Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Tgt Ion:184 Resp: 22545

Ion	Ratio	Lower	Upper
184	100		
185	20.3	11.8	17.6#
183	8.9	10.6	16.0#





#79

Terphenyl-d14

Concen: 93.454 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

Instrument :

BNA_G

ClientSampleId :

BU-03-102119

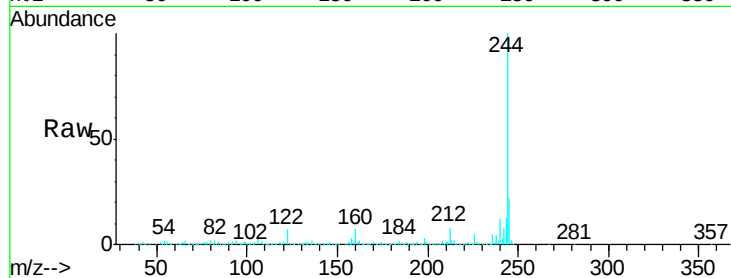
Tgt Ion:244 Resp: 1492681

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

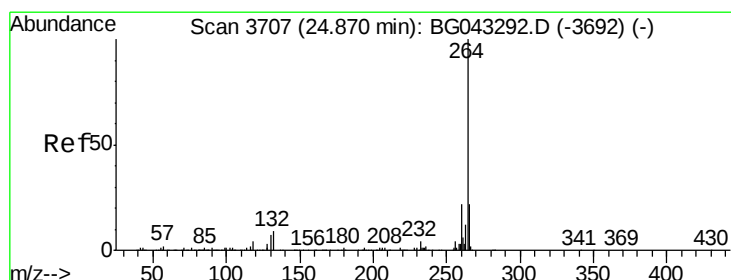
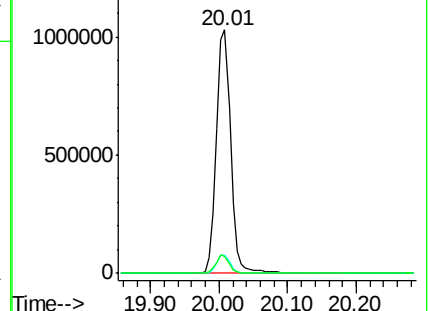
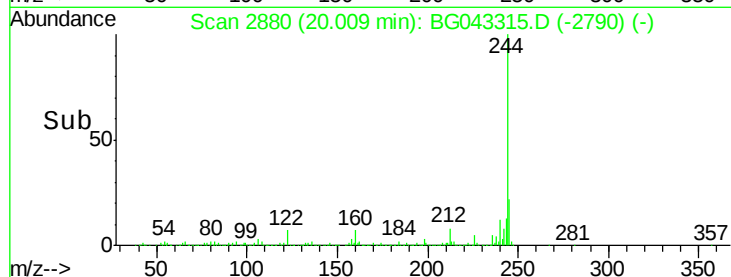
122 6.9 5.3 7.9



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# 3706

Delta R.T. -0.01 min

Lab File: BG043315.D

Acq: 23 Oct 2019 19:19

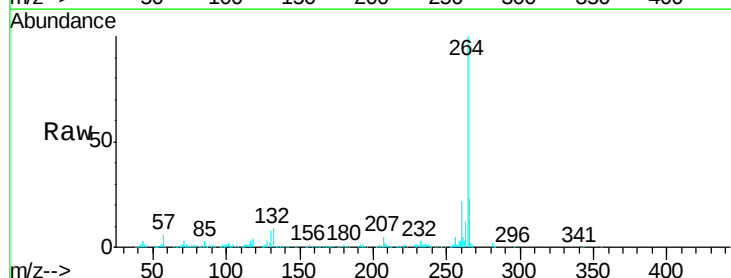
Tgt Ion:264 Resp: 346829

Ion Ratio Lower Upper

264 100

260 22.4 17.9 26.9

265 22.8 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

