

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043394.D
 Acq On : 30 Oct 2019 5:14
 Operator : JU
 Sample : K5564-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:28:26 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	45281	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	160883	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	117789	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	267847	20.00	ng	0.00
76) Chrysene-d12	21.66	240	297616	20.00	ng	0.00
87) Perylene-d12	24.85	264	346459	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	311188	125.93	ng	0.00
7) Phenol-d6	7.21	99	404586	113.80	ng	0.00
23) Nitrobenzene-d5	9.19	82	269472	86.35	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	269196	120.09	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	732113	85.89	ng	0.00
79) Terphenyl-d14	20.00	244	1522147	95.95	ng	0.00

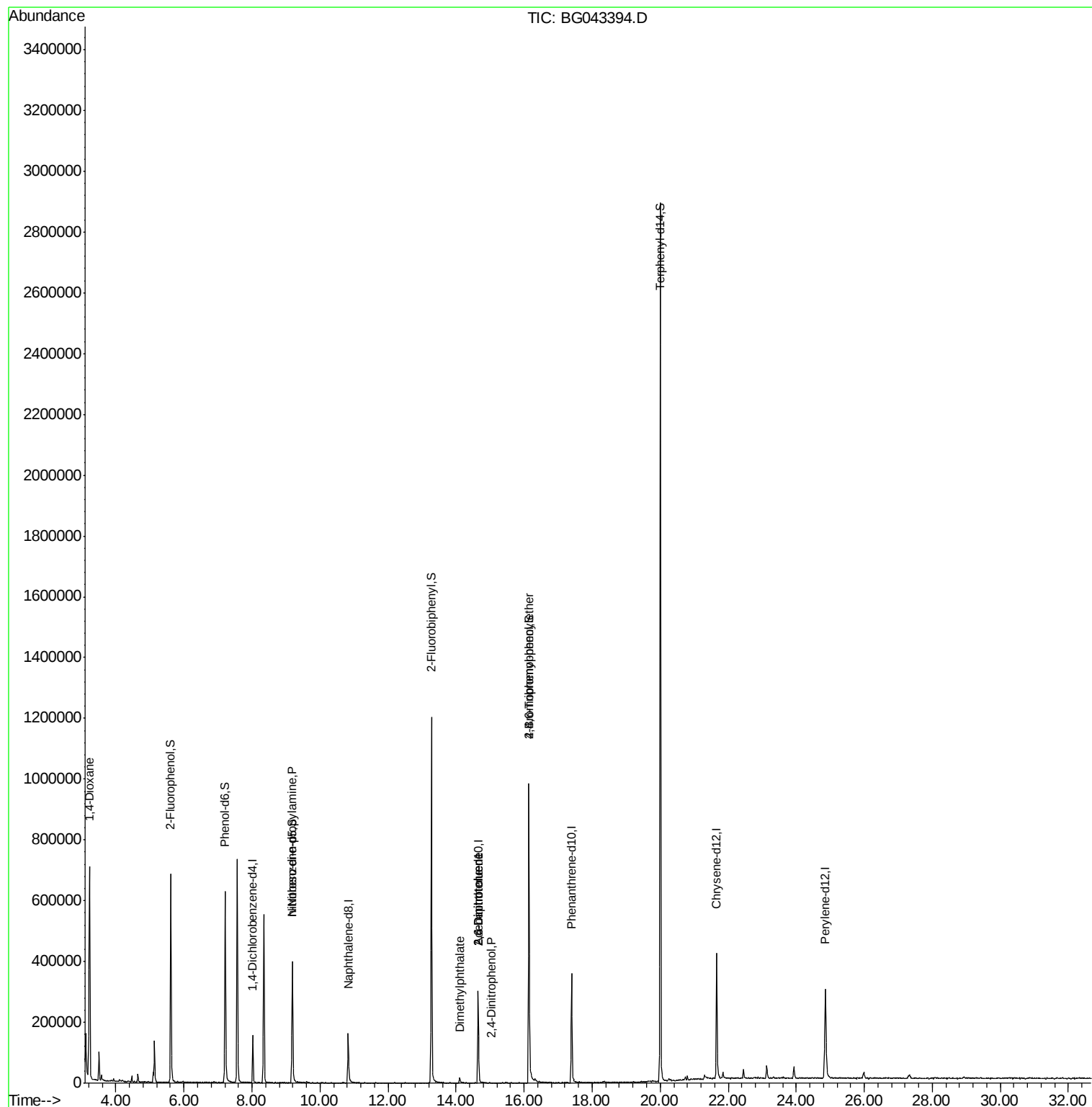
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	9141	9.493	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	38798	16.888	ng	# 75
50) Dimethylphthalate	14.10	163	21198	2.323	ng	# 93
51) 2,6-Dinitrotoluene	14.64	165	16461	8.305	ng	# 24
54) 2,4-Dinitrophenol	15.03	184	64	7.330	ng	# 20
57) 2,4-Dinitrotoluene	14.64	165	16461	5.811	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	16428	4.557	ng	# 1

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

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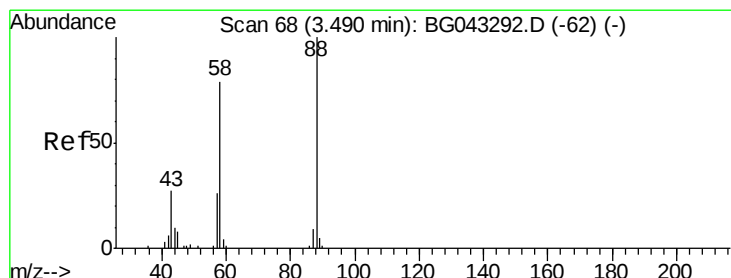
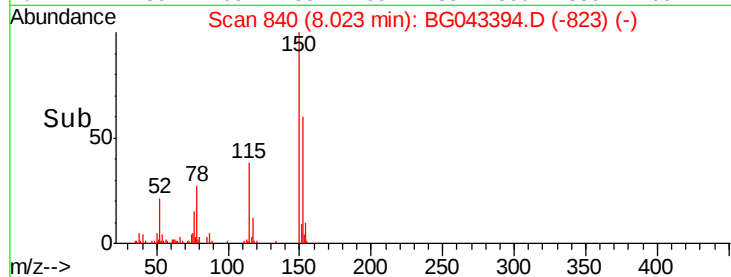
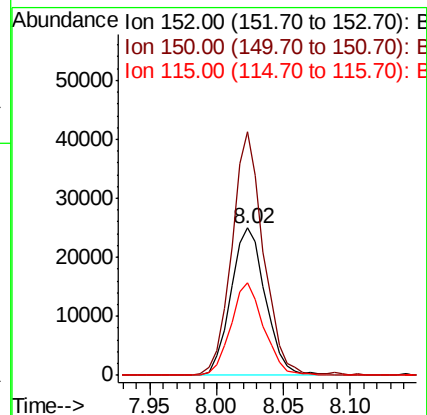
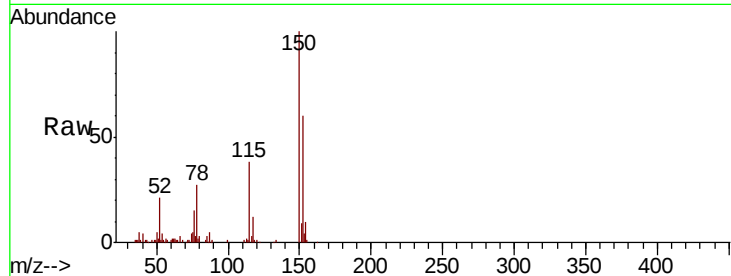


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

Instrument :
BNA_G
ClientSampled :

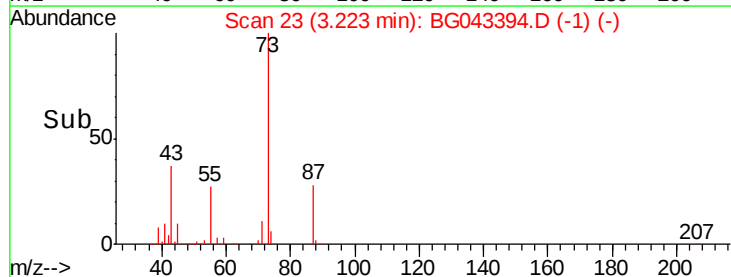
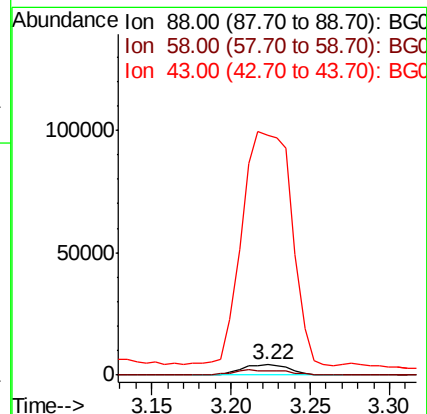
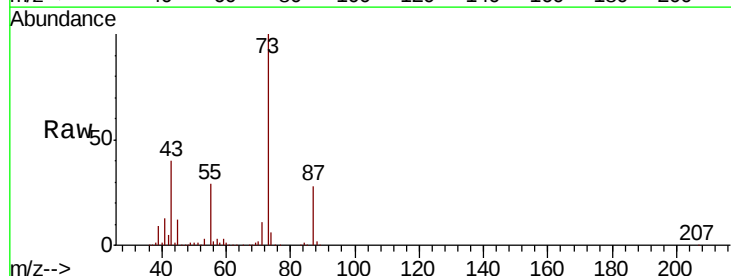
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.6	113.6	170.4
115	63.3	45.9	68.9

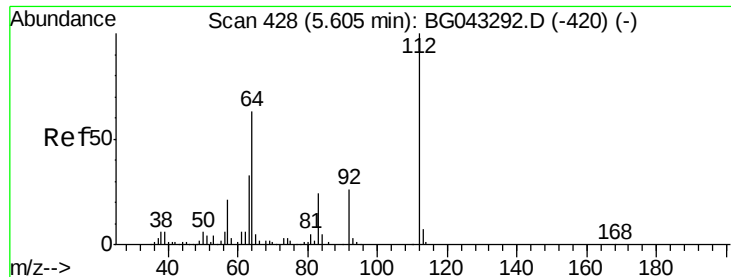


#2

1,4-Dioxane
Concen: 9.493 ng
RT: 3.22 min Scan# 23
Delta R.T. -0.27 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	47.5	60.2	90.2#
43	2285.5	22.7	34.1#





#5

2-Fluorophenol

Concen: 125.933 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

Instrument :

BNA_G

ClientSampleId :

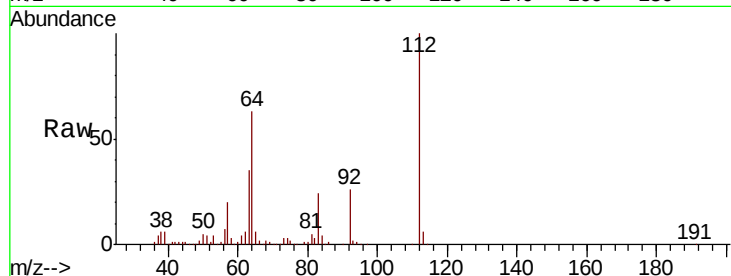
Tot Ion:112 Resp: 311188

Ion Ratio Lower Upper

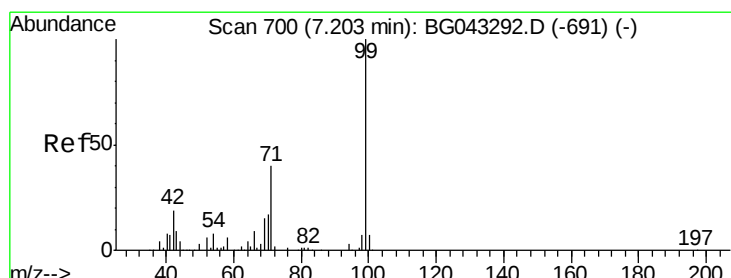
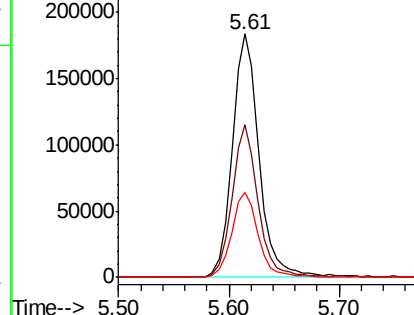
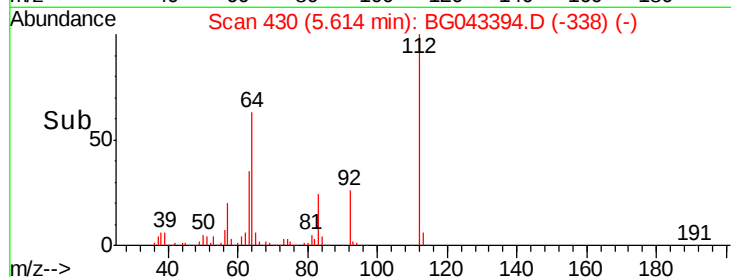
112 100

64 62.8 50.2 75.2

63 34.8 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: 113.799 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

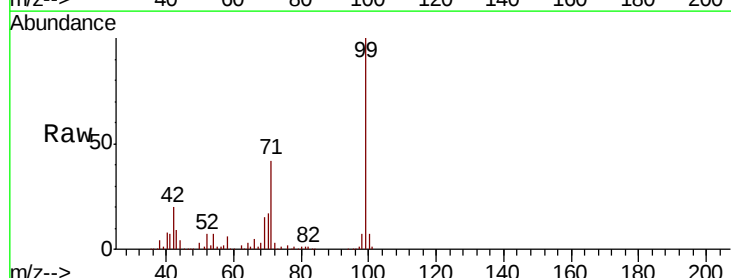
Tgt Ion: 99 Resp: 404586

Ion Ratio Lower Upper

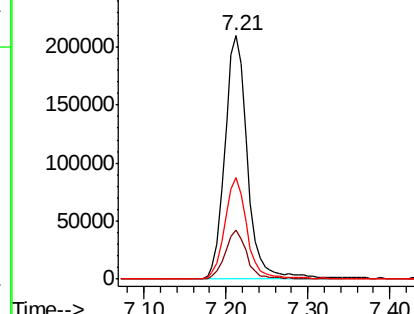
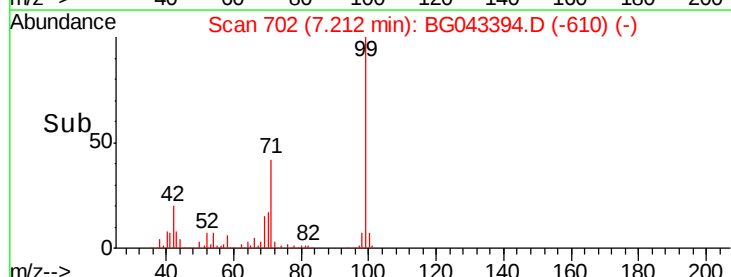
99 100

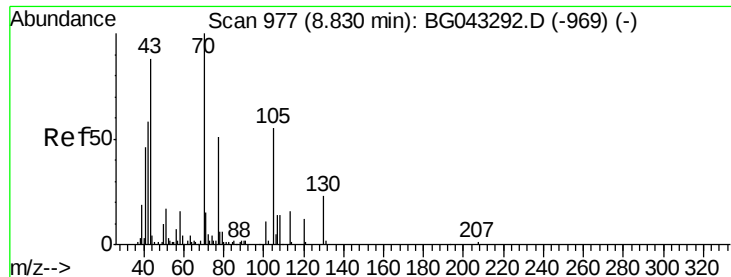
42 20.3 14.9 22.3

71 41.8 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: 16.888 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38798

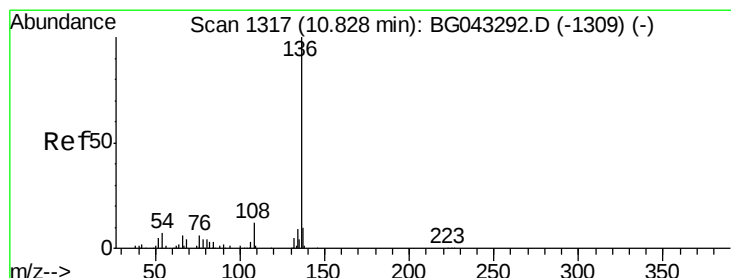
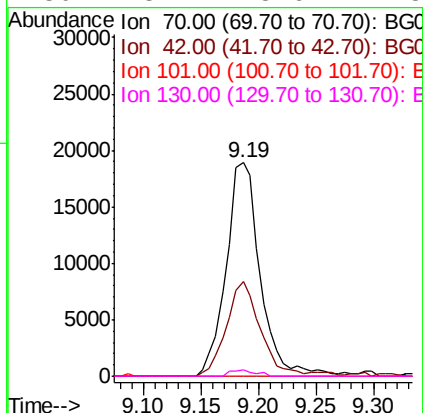
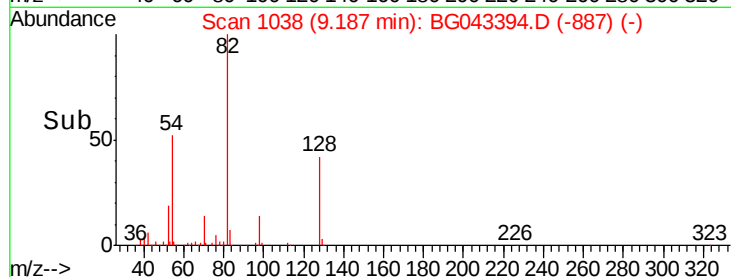
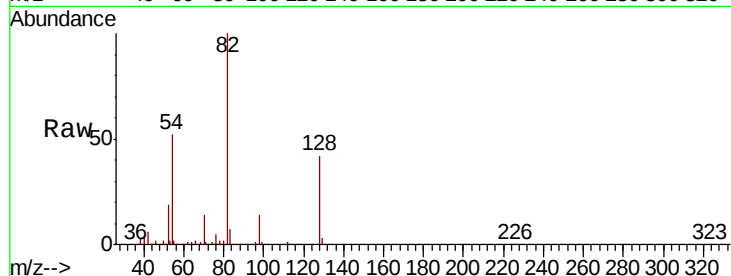
Ion Ratio Lower Upper

70 100

42 44.6 46.2 69.2#

101 0.0 8.6 13.0#

130 3.2 18.6 27.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

Tgt Ion: 136 Resp: 160883

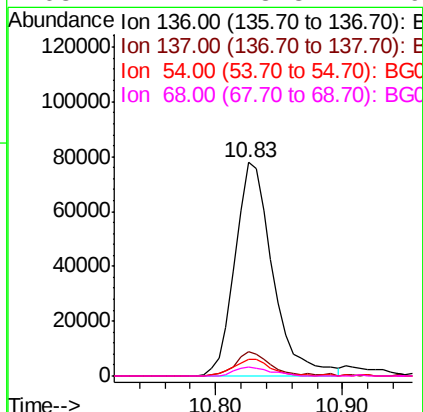
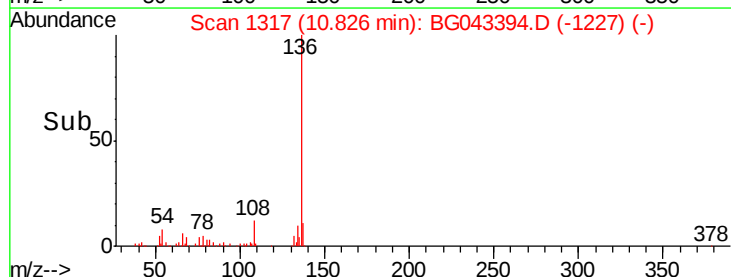
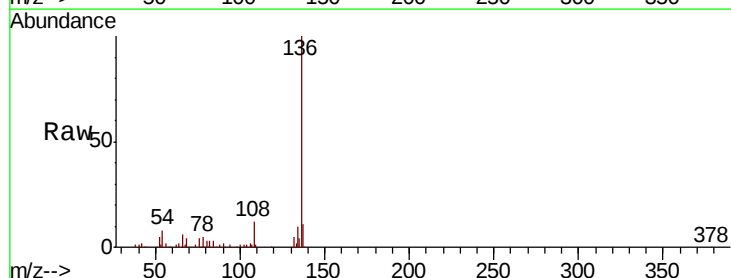
Ion Ratio Lower Upper

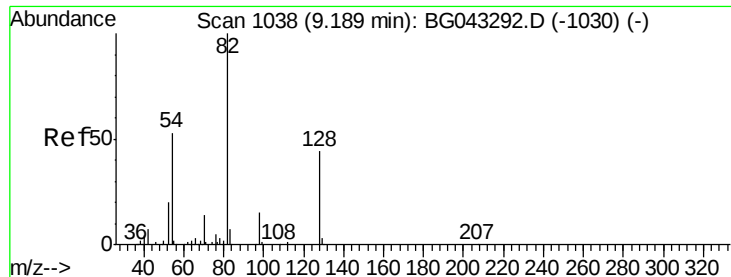
136 100

137 11.5 8.2 12.2

54 7.8 5.4 8.2

68 4.4 3.3 4.9

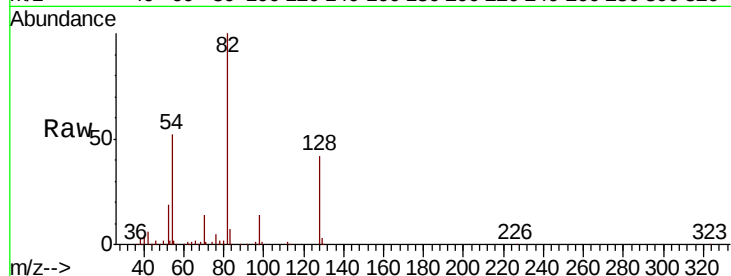




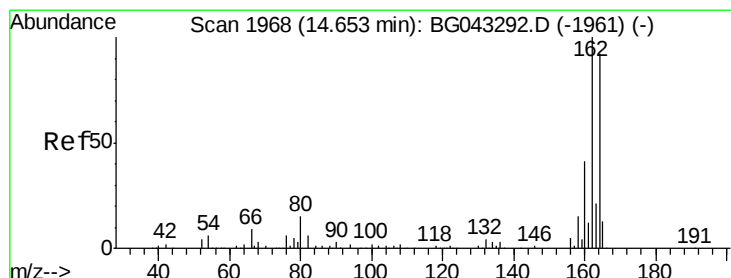
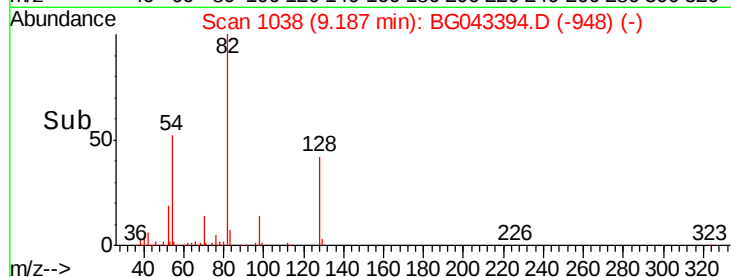
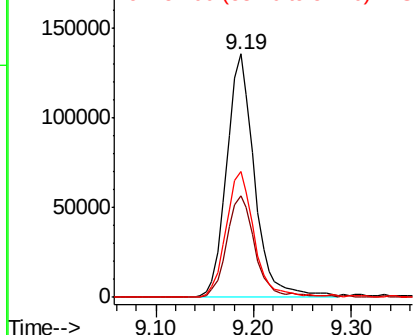
#23
Nitrobenzene-d5
Concen: 86.352 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.3	52.9
54	51.9	42.3	63.5

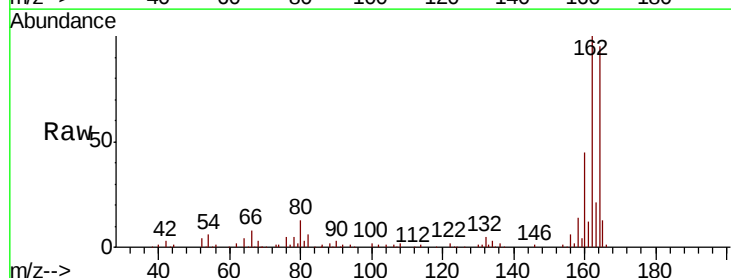


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

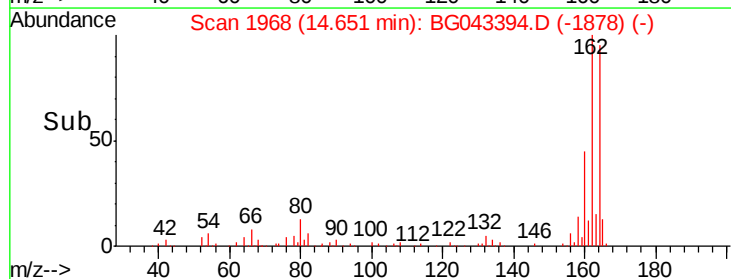
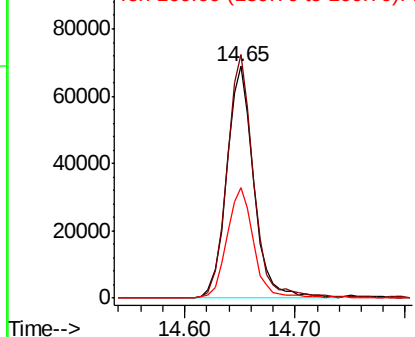


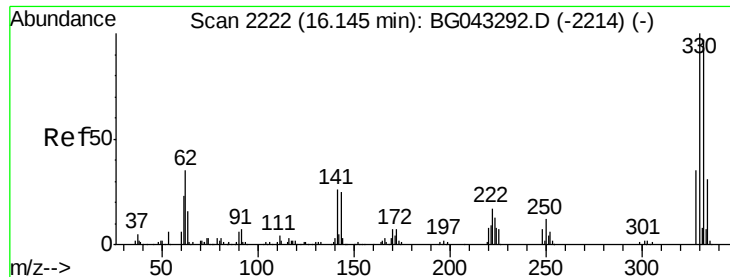
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	87.0	130.4
160	47.5	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

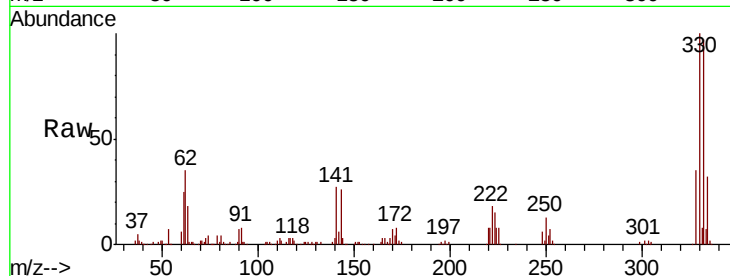




#42
 2,4,6-Tribromophenol
 Concen: 120.095 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043394.D
 Acq: 30 Oct 2019 5:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.4	114.6
141	28.6	21.4	32.0

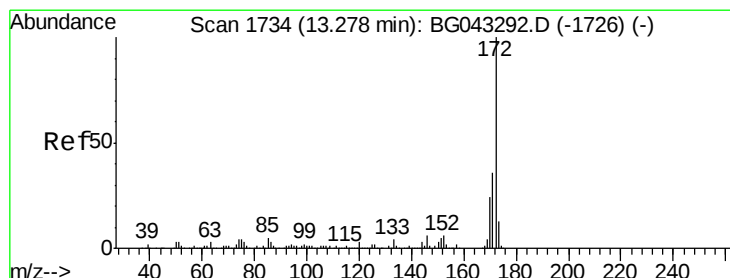
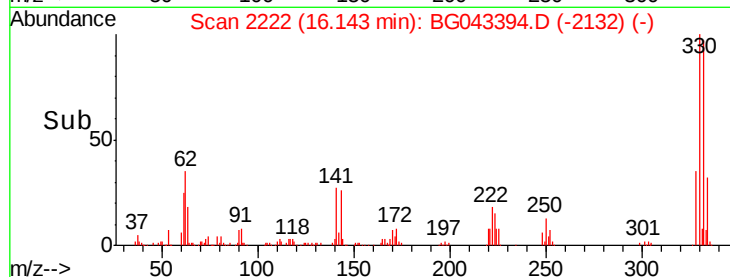
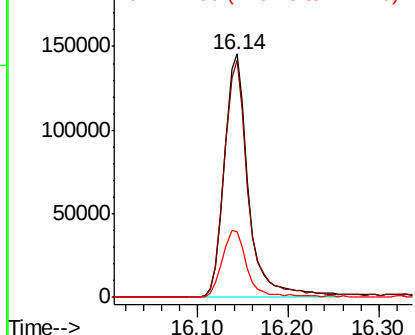


Abundance

Ion 329.80 (329.50 to 330.50): E

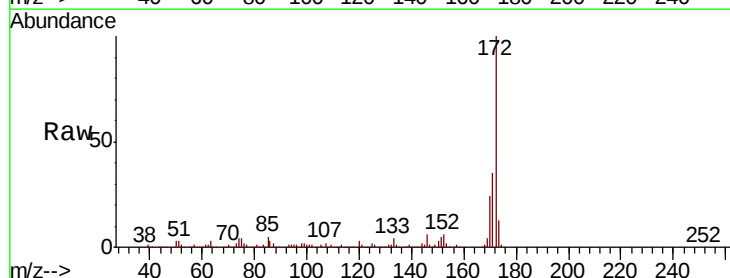
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.885 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043394.D
 Acq: 30 Oct 2019 5:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	24.1	18.8	28.2

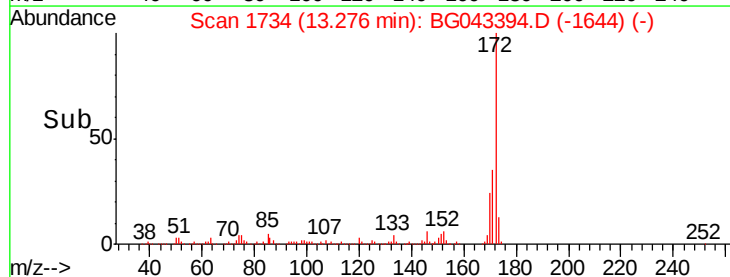
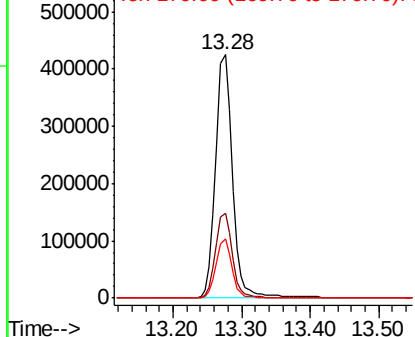


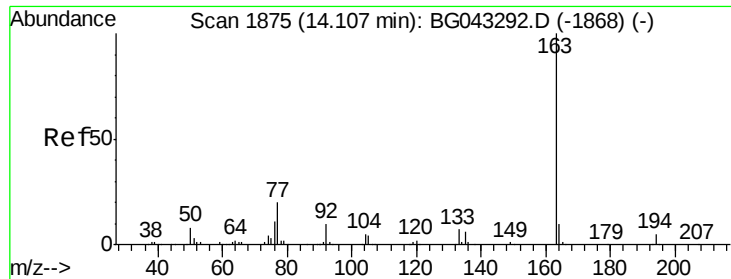
Abundance

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

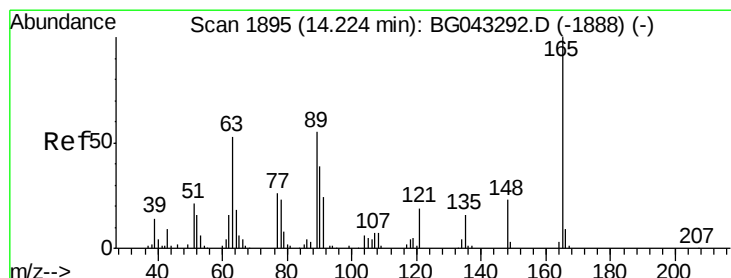
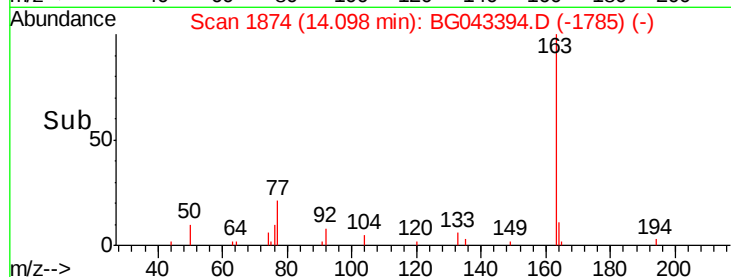
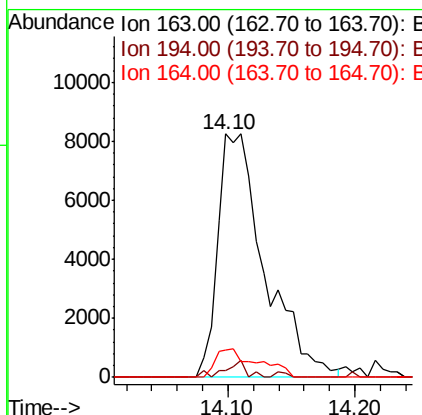
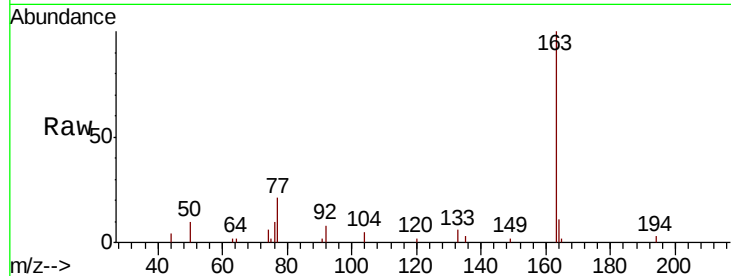




#50
Dimethylphthalate
Concen: 2.323 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

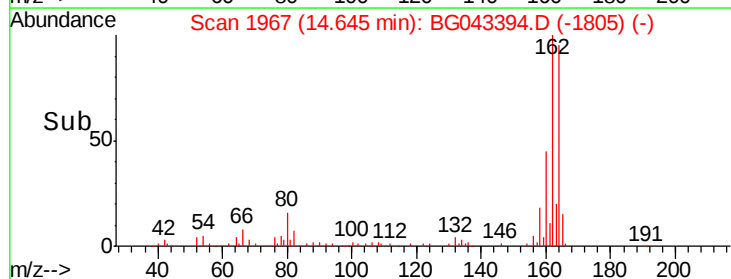
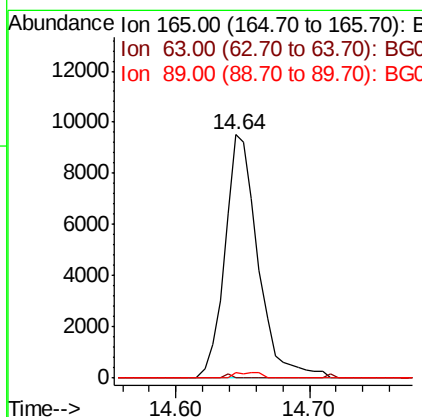
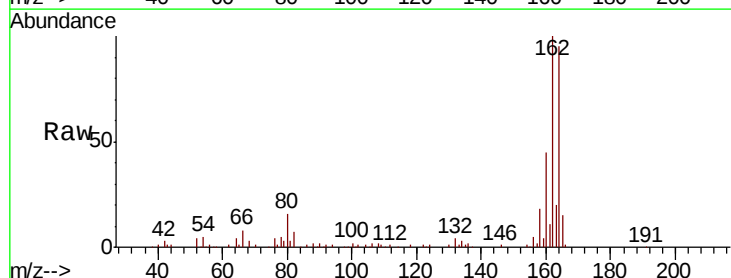
Instrument :
BNA_G
ClientSampled :

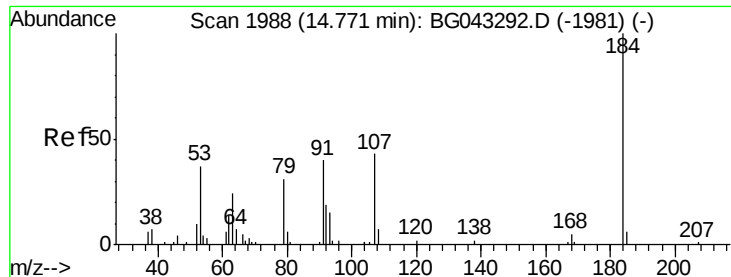
Tot Ion:163 Resp: 21198
Ion Ratio Lower Upper
163 100
194 2.8 3.7 5.5#
164 13.0 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.305 ng
RT: 14.64 min Scan# 1967
Delta R.T. 0.42 min
Lab File: BG043394.D
Acq: 30 Oct 2019 5:14

Tgt Ion:165 Resp: 16461
Ion Ratio Lower Upper
165 100
63 0.0 47.1 70.7#
89 2.0 43.7 65.5#

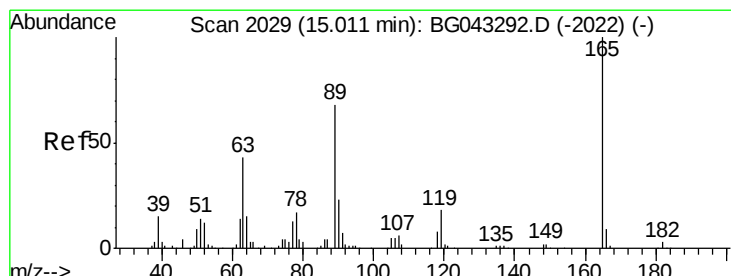
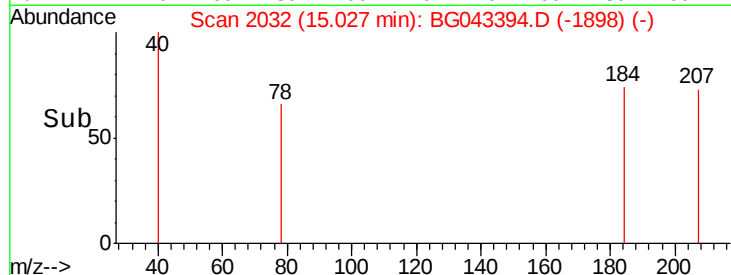
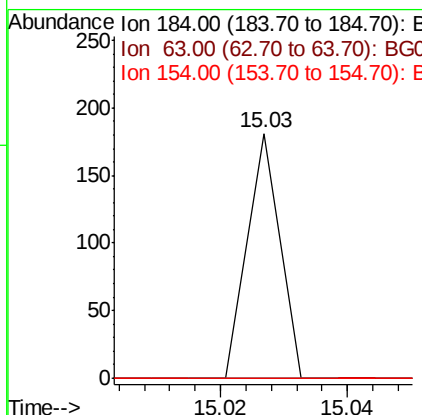
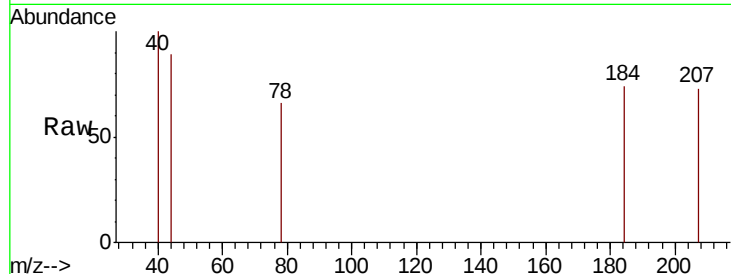




#54
 2,4-Dinitrophenol
 Concen: 7.330 ng
 RT: 15.03 min Scan# 2032
 Delta R.T. 0.26 min
 Lab File: BG043394.D
 Acq: 30 Oct 2019 5:14

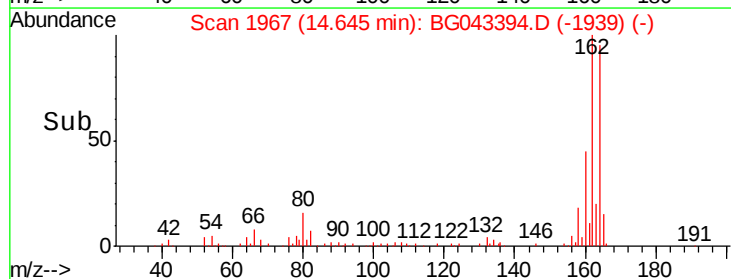
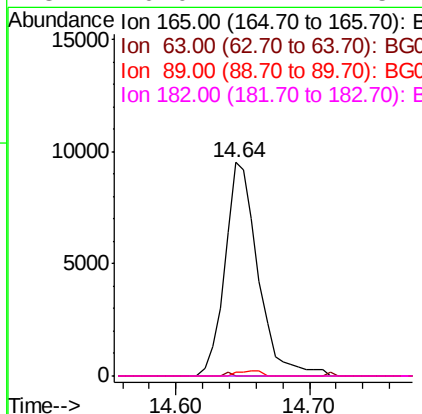
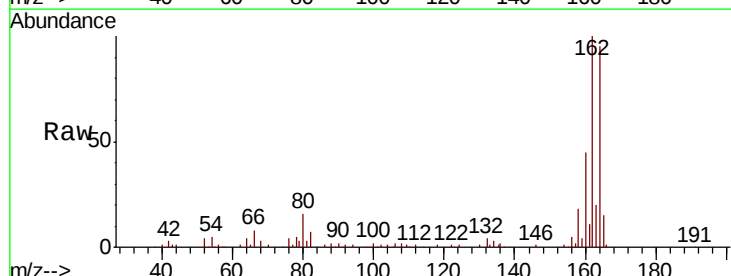
Instrument :
 BNA_G
 ClientSampled :

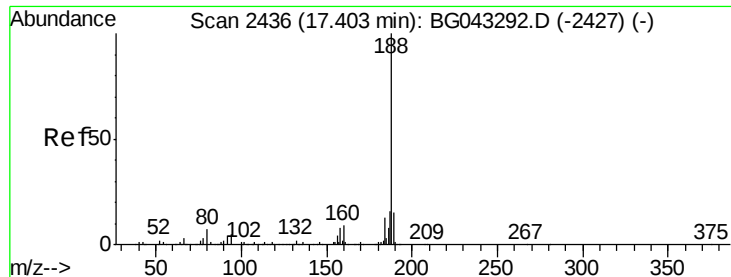
Tot Ion:184 Resp: 64
 Ion Ratio Lower Upper
 184 100
 63 0.0 48.8 73.2#
 154 0.0 49.4 74.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.811 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043394.D
 Acq: 30 Oct 2019 5:14

Tgt Ion:165 Resp: 16461
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.6#
 89 2.0 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: BG043394.D

Acq: 30 Oct 2019 5:14

Instrument :

BNA_G

ClientSampleId :

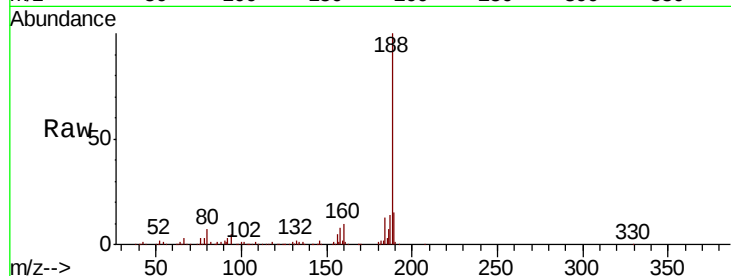
Tot Ion:188 Resp: 267847

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.2

80 7.0 5.2 7.8

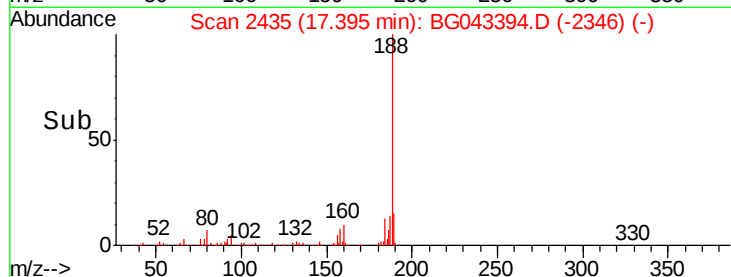


Abundance Ion 188.00 (187.70 to 188.70): E

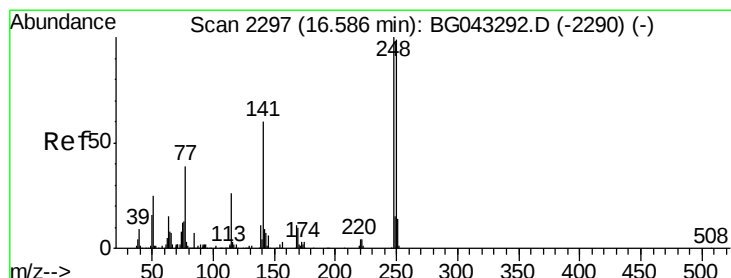
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.39



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.557 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

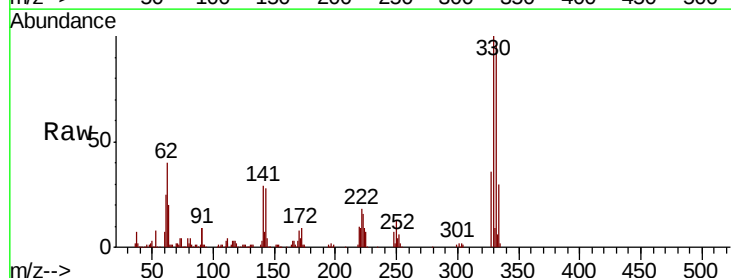
Tgt Ion:248 Resp: 16428

Ion Ratio Lower Upper

248 100

250 187.3 79.3 118.9#

141 415.3 47.9 71.9#

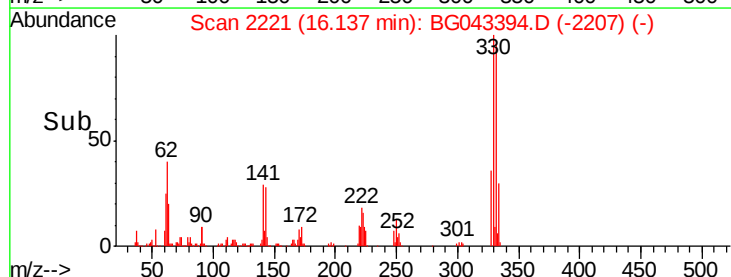


Abundance Ion 248.00 (247.70 to 248.70): E

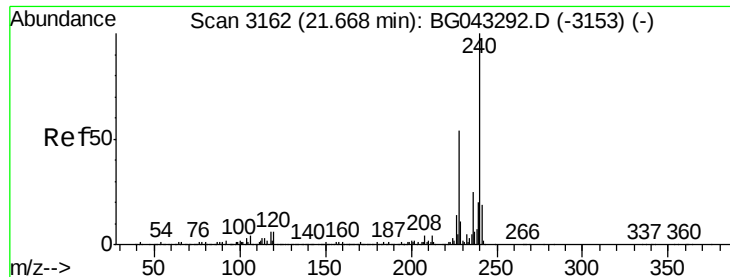
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.14



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

Instrument :

BNA_G

ClientSampleId :

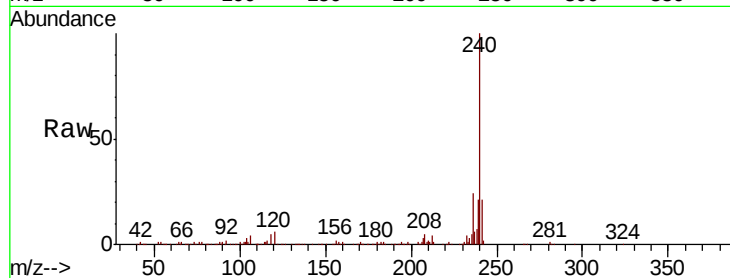
Tot Ion:240 Resp: 297616

Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

236 23.8 20.2 30.4

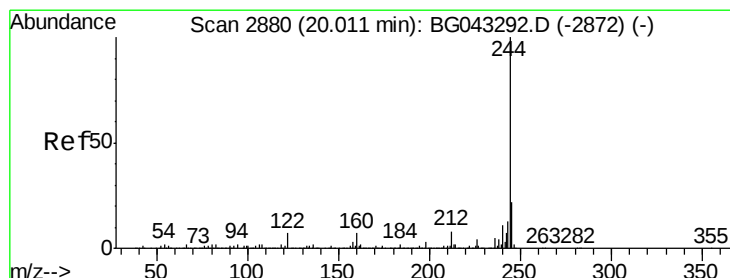
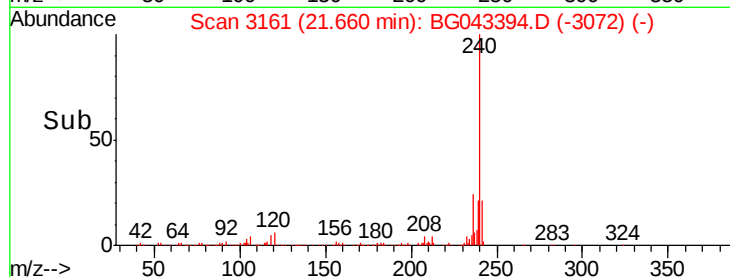
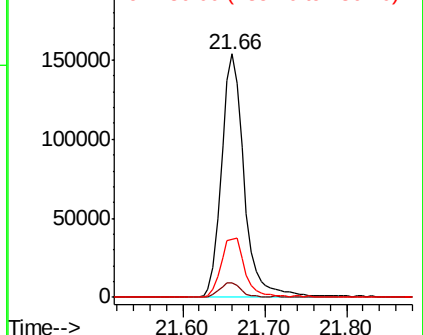


Abundance

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



#79

Terphenyl-d14

Concen: 95.950 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043394.D

Acq: 30 Oct 2019 5:14

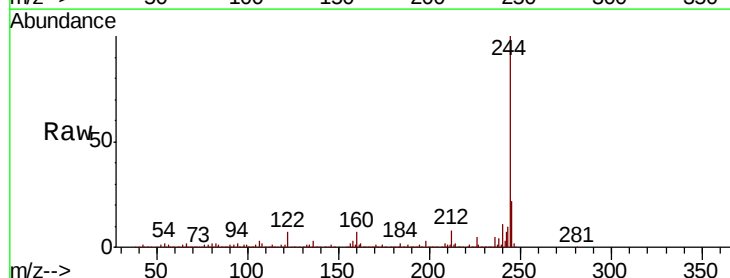
Tgt Ion:244 Resp: 1522147

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

122 7.3 5.3 7.9

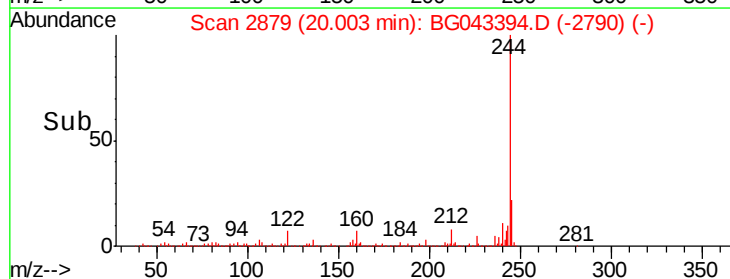
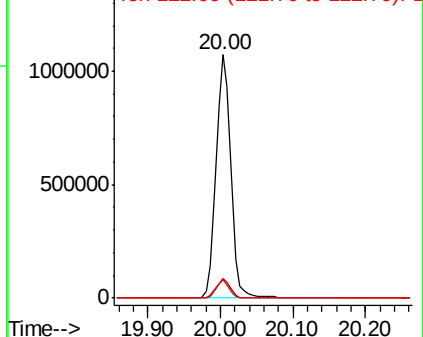


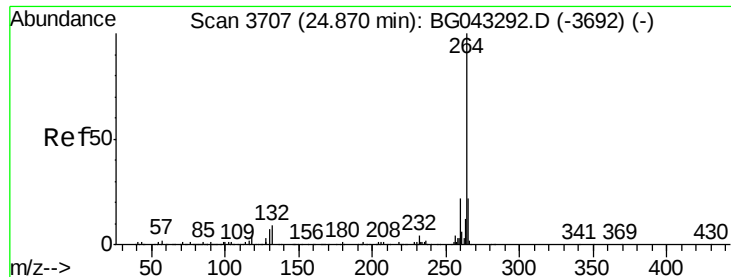
Abundance

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

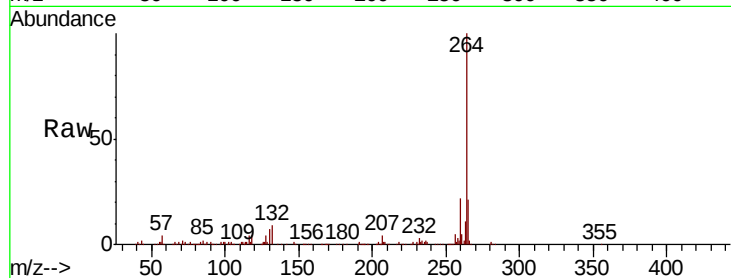




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG043394.D
 Acq: 30 Oct 2019 5:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.9	26.9
265	20.9	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

