

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043390.D
 Acq On : 30 Oct 2019 2:40
 Operator : JU
 Sample : K5149-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:27:18 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	45696	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	157504	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	119628	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	262436	20.00	ng	0.00
76) Chrysene-d12	21.66	240	291735	20.00	ng	0.00
87) Perylene-d12	24.86	264	338537	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	344893	138.30	ng	0.00
7) Phenol-d6	7.21	99	472746	131.76	ng	0.00
23) Nitrobenzene-d5	9.19	82	292485	95.74	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	290935	127.80	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	802046	92.64	ng	0.00
79) Terphenyl-d14	20.00	244	1503349	96.68	ng	0.00

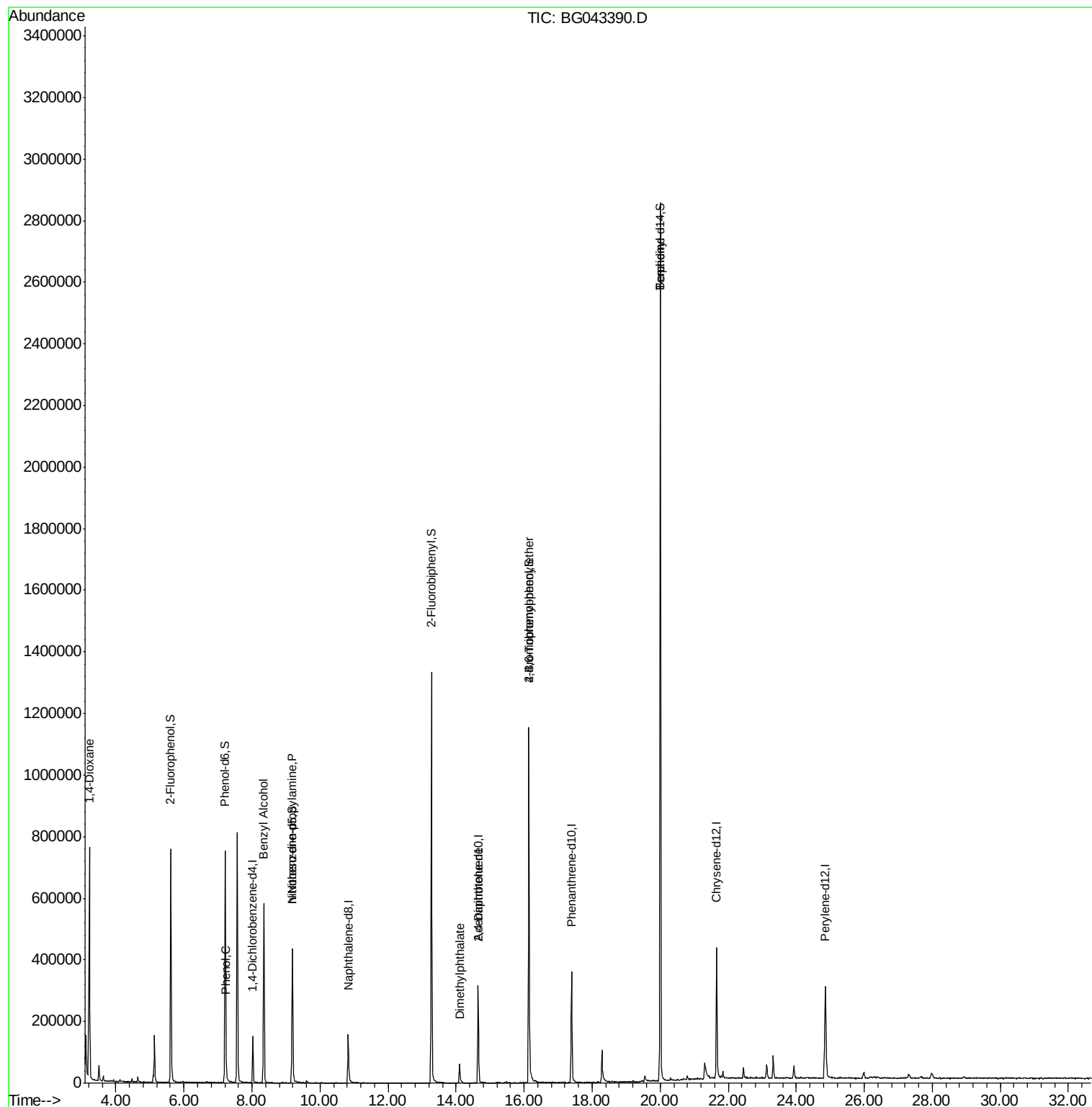
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	8379	8.622	ng	# 1
10) Phenol	7.24	94	7471	2.279	ng	# 79
15) Benzyl Alcohol	8.34	79	5201	2.064	ng	# 48
19) n-Nitroso-di-n-propylamine	9.19	70	40919	17.650	ng	# 74
50) Dimethylphthalate	14.10	163	59766	6.450	ng	# 100
57) 2,4-Dinitrotoluene	14.65	165	16010	5.565	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	18842	5.335	ng	# 1
77) Benzidine	20.00	184	21394	3.644	ng	# 92

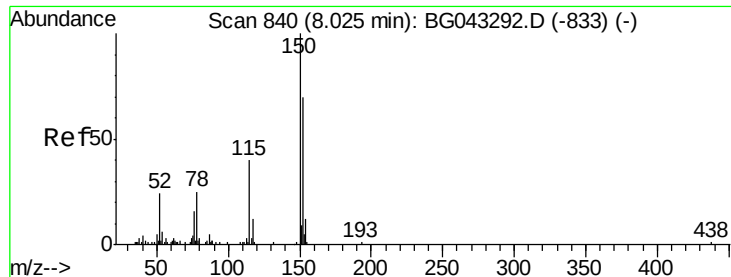
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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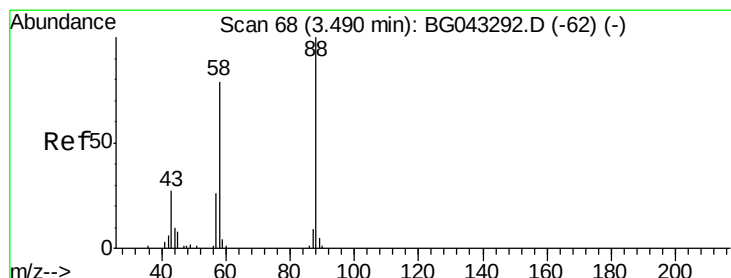
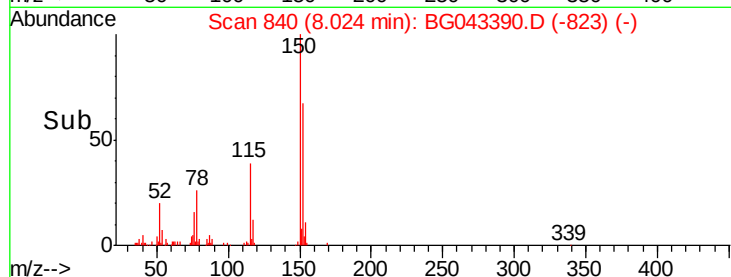
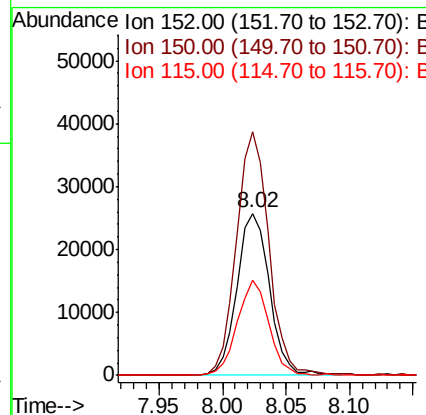
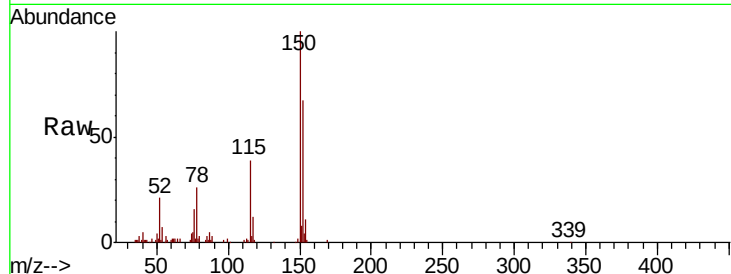


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

Instrument :
BNA_G
ClientSampleId :

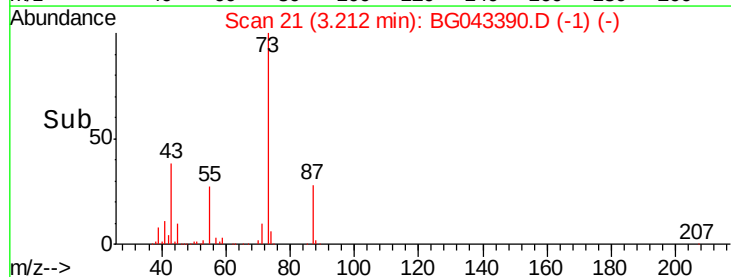
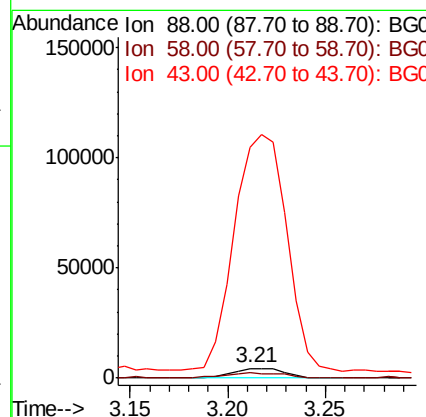
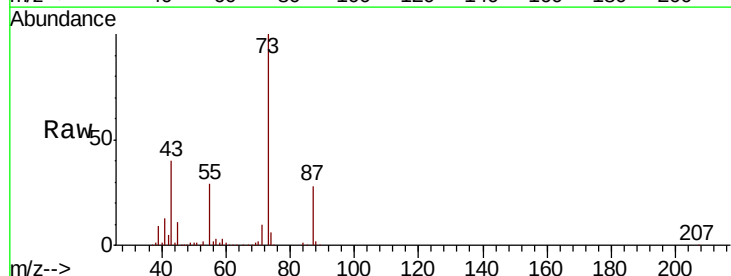
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	113.6	170.4
115	58.8	45.9	68.9

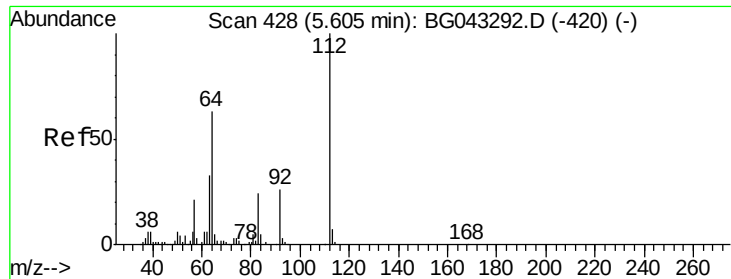


#2

1,4-Dioxane
Concen: 8.622 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.28 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.0	60.2	90.2
43	2447.3	22.7	34.1#





#5

2-Fluorophenol

Concen: 138.305 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Instrument :

BNA_G

ClientSampleId :

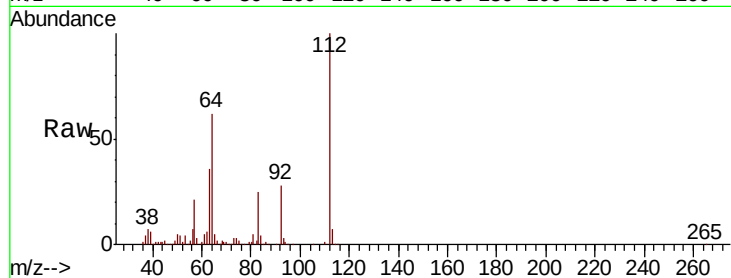
Tot Ion:112 Resp: 344893

Ion Ratio Lower Upper

112 100

64 62.3 50.2 75.2

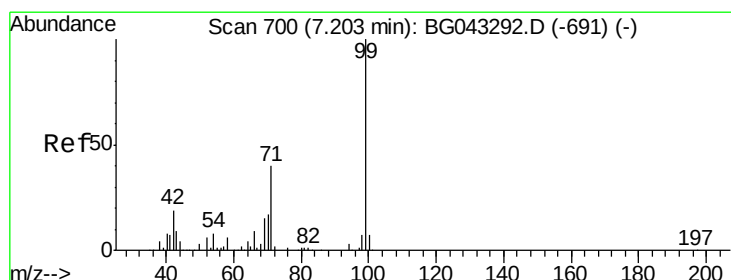
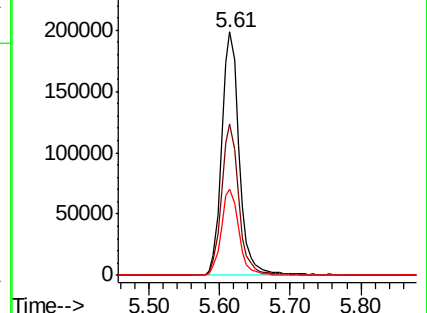
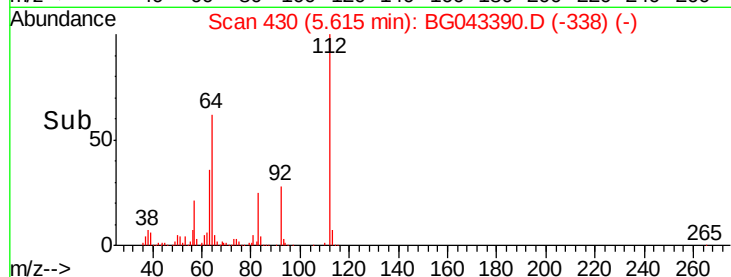
63 35.5 26.7 40.1



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: 131.762 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

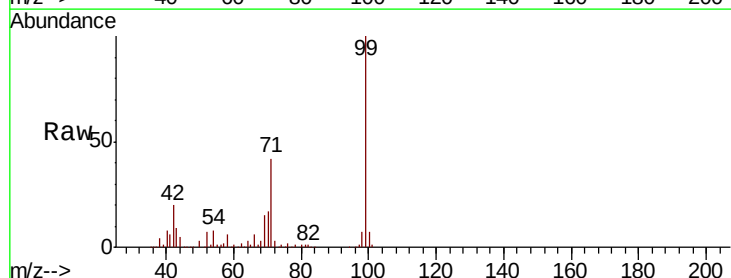
Tgt Ion: 99 Resp: 472746

Ion Ratio Lower Upper

99 100

42 19.6 14.9 22.3

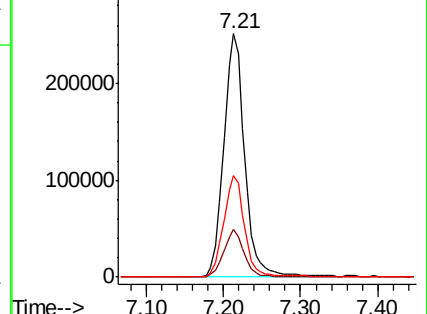
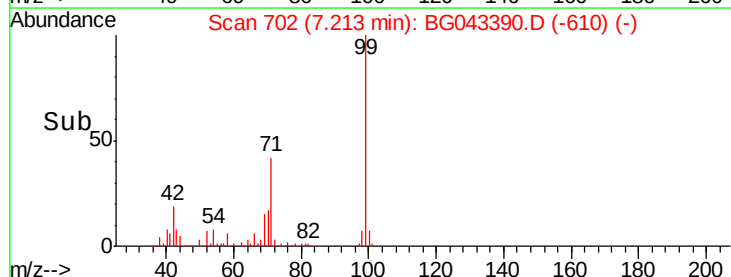
71 41.5 32.2 48.2

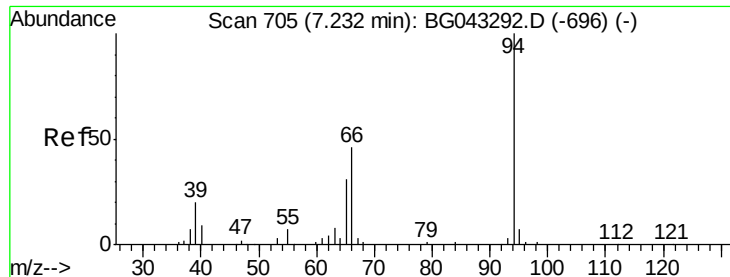


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.279 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Instrument :

BNA_G

ClientSampleId :

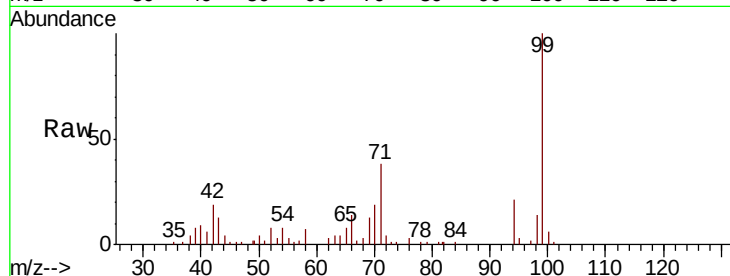
Tot Ion: 94 Resp: 7471

Ion Ratio Lower Upper

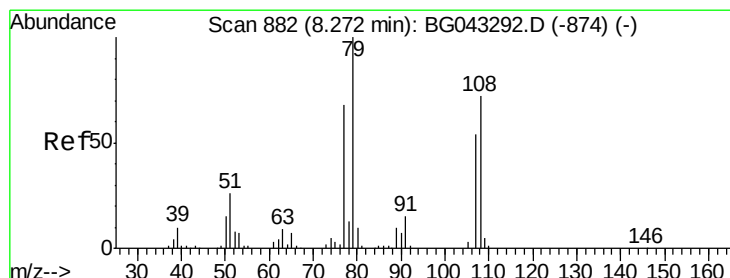
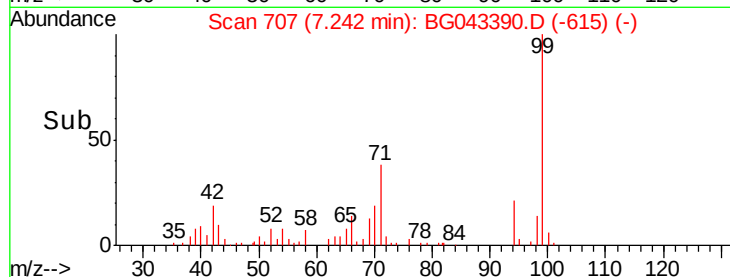
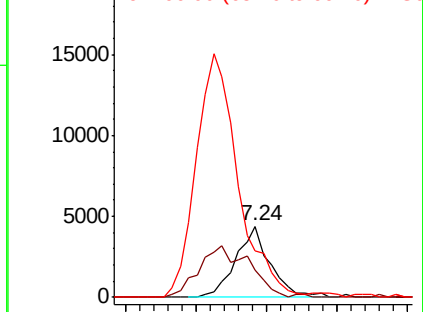
94 100

65 37.8 11.1 51.1

66 65.9 27.8 67.8



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



#15

Benzyl Alcohol

Concen: 2.064 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

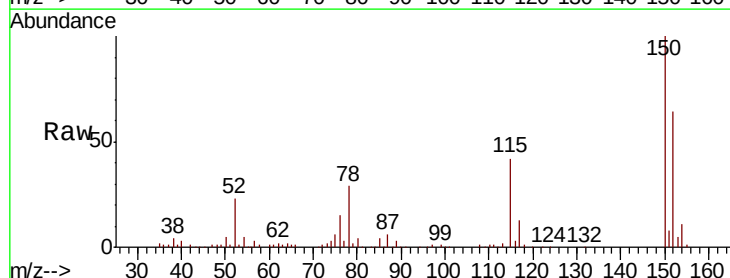
Tgt Ion: 79 Resp: 5201

Ion Ratio Lower Upper

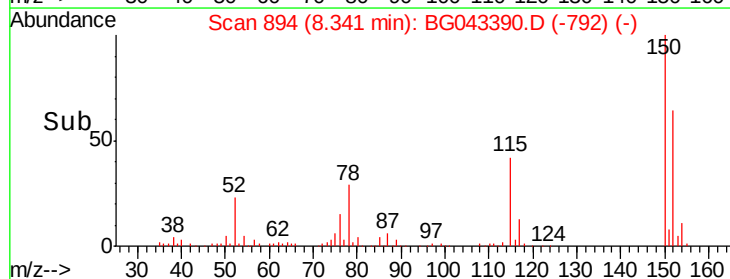
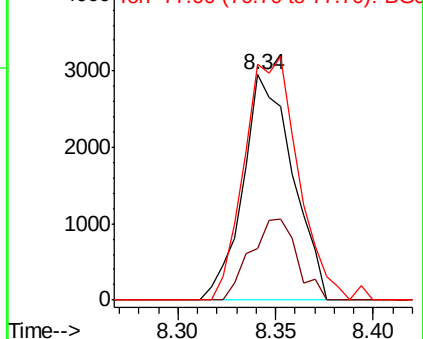
79 100

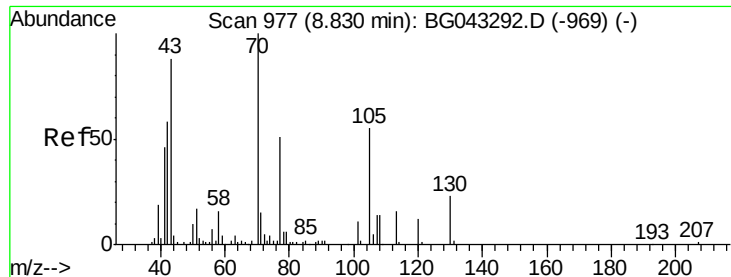
108 23.1 57.3 85.9#

77 104.6 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: 17.650 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 40919

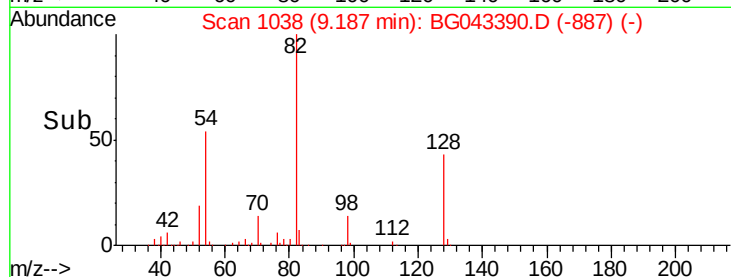
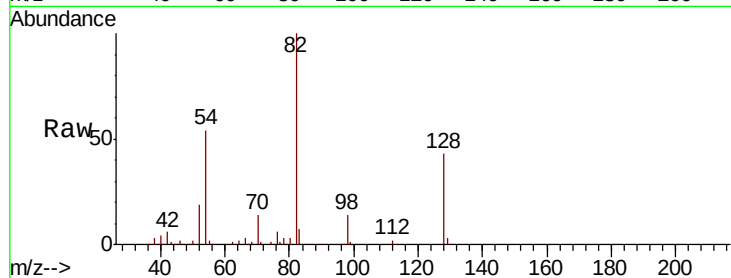
Ion Ratio Lower Upper

70 100

42 43.9 46.2 69.2#

101 0.0 8.6 13.0#

130 2.3 18.6 27.8#

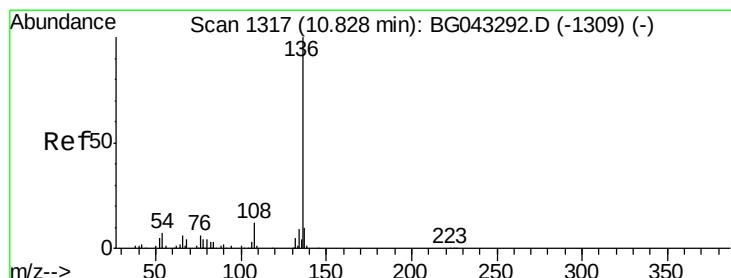
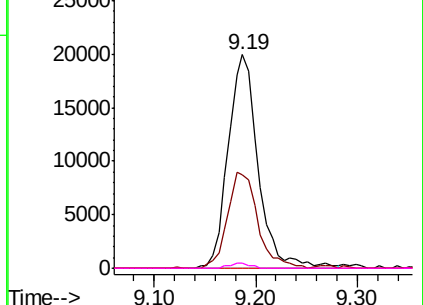


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1317

Delta R.T. -0.00 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Tgt Ion: 136 Resp: 157504

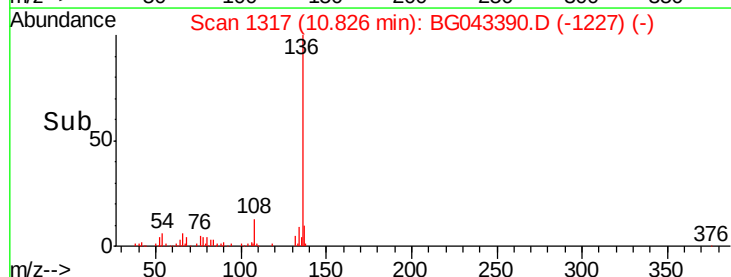
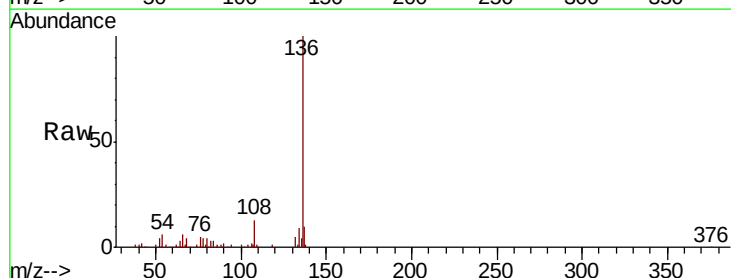
Ion Ratio Lower Upper

136 100

137 9.6 8.2 12.2

54 5.9 5.4 8.2

68 4.1 3.3 4.9

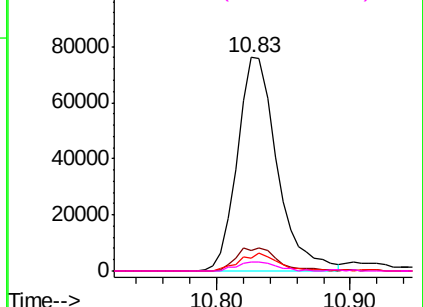


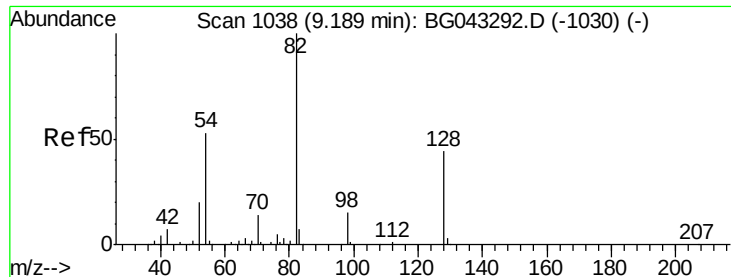
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

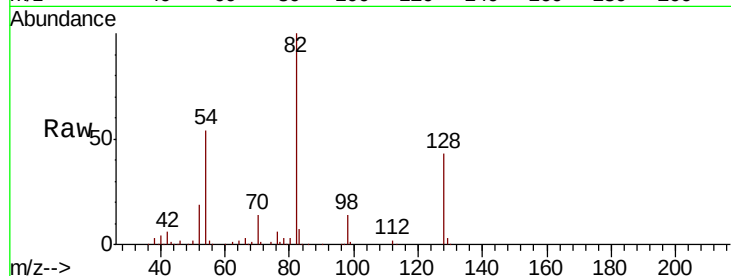




#23
Nitrobenzene-d5
Concen: 95.737 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	292485
Ion Ratio	Lower	Upper	
82	100		
128	43.4	35.3	52.9
54	54.3	42.3	63.5

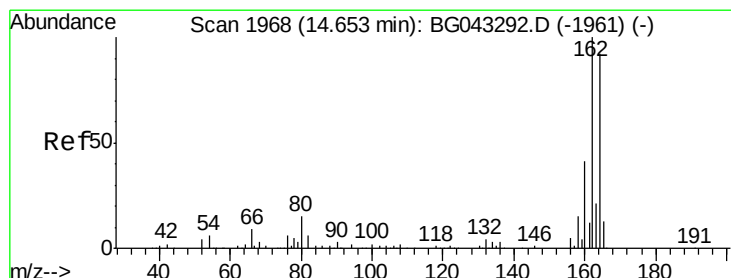
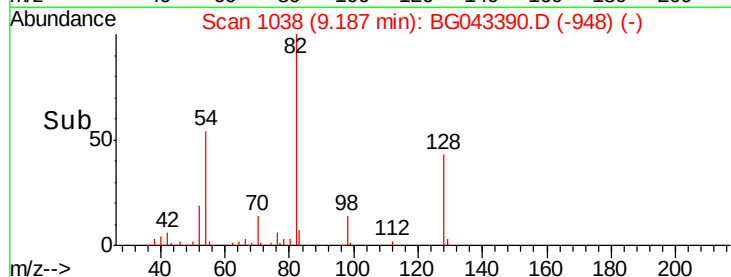
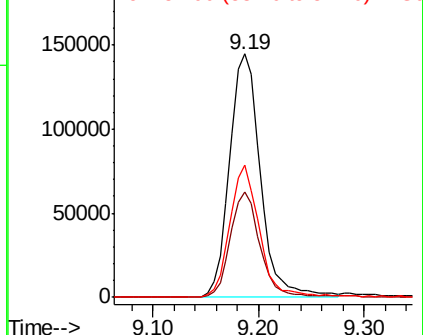


Abundance

Ion 82.00 (81.70 to 82.70): BG043292.D (-1030) (-)

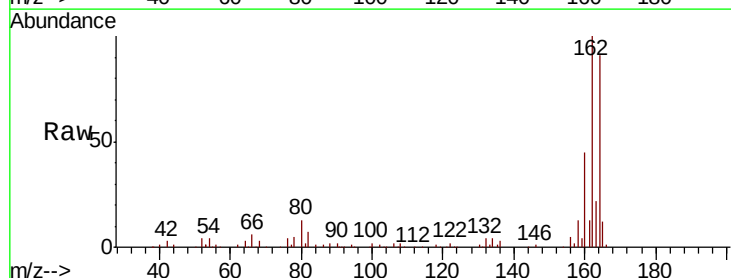
Ion 128.00 (127.70 to 128.70): BG043292.D (-1030) (-)

Ion 54.00 (53.70 to 54.70): BG043292.D (-1030) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

Tgt Ion	164	Resp	119628
Ion Ratio	Lower	Upper	
164	100		
162	109.8	87.0	130.4
160	48.9	35.5	53.3

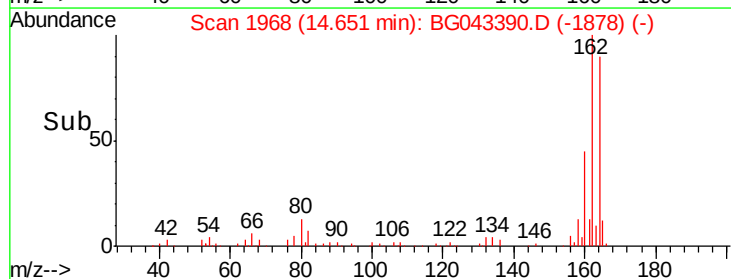
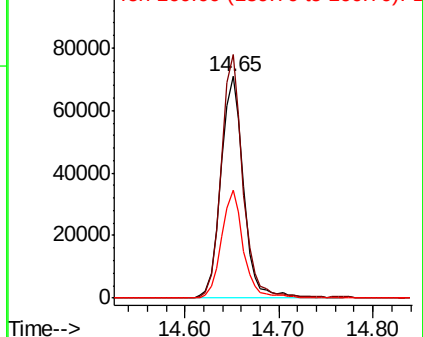


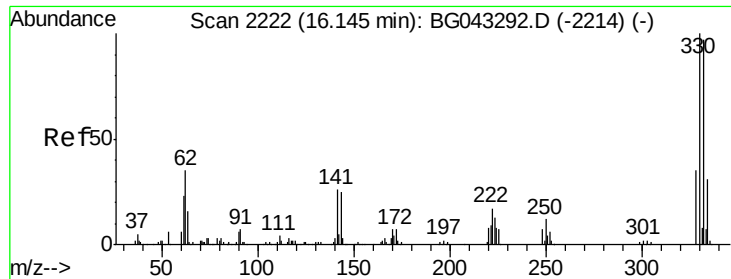
Abundance

Ion 164.00 (163.70 to 164.70): BG043292.D (-1961) (-)

Ion 162.00 (161.70 to 162.70): BG043292.D (-1961) (-)

Ion 160.00 (159.70 to 160.70): BG043292.D (-1961) (-)

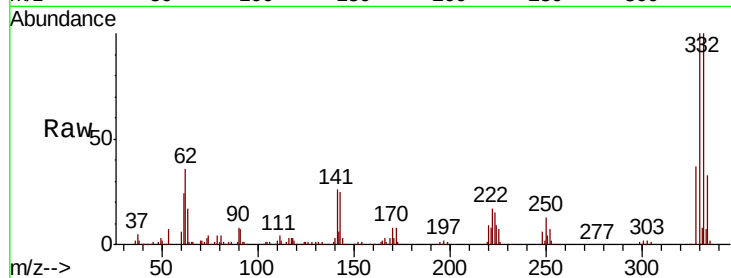




#42
 2,4,6-Tribromophenol
 Concen: 127.798 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043390.D
 Acq: 30 Oct 2019 2:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.4	114.6
141	27.4	21.4	32.0

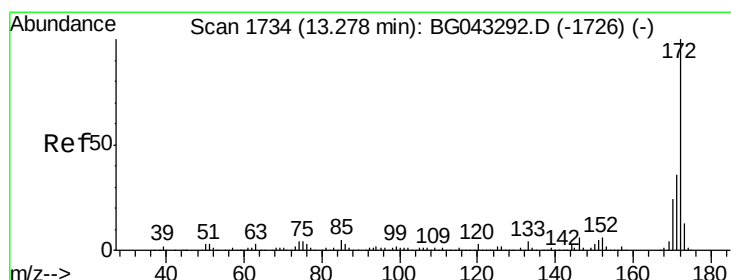
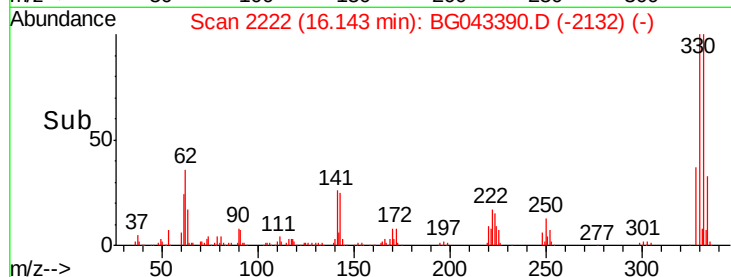
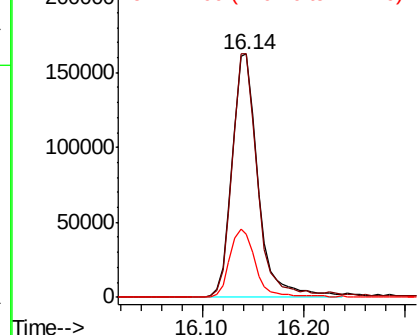


Abundance

Ion 329.80 (329.50 to 330.50): E

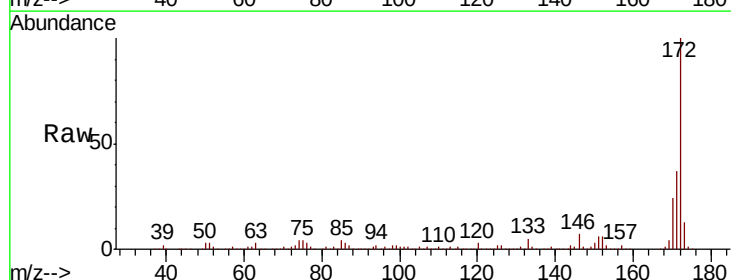
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.643 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043390.D
 Acq: 30 Oct 2019 2:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.5	42.7
170	23.5	18.8	28.2

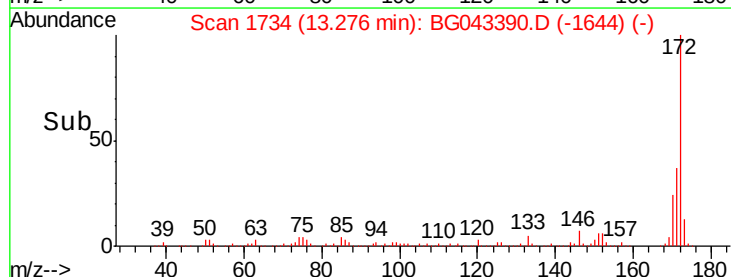
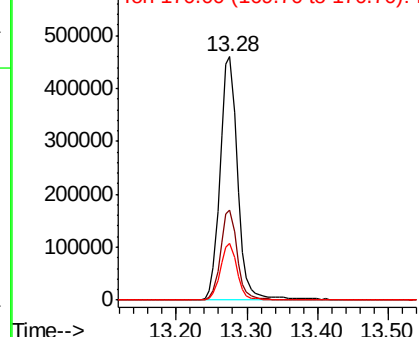


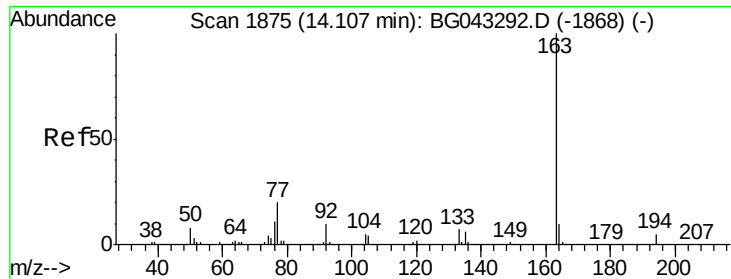
Abundance

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

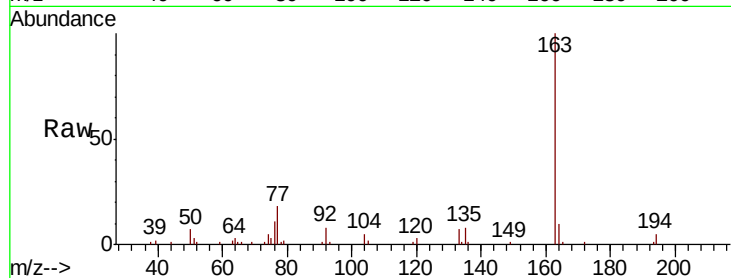




#50
Dimethylphthalate
Concen: 6.450 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.7	5.5
164	10.2	8.1	12.1

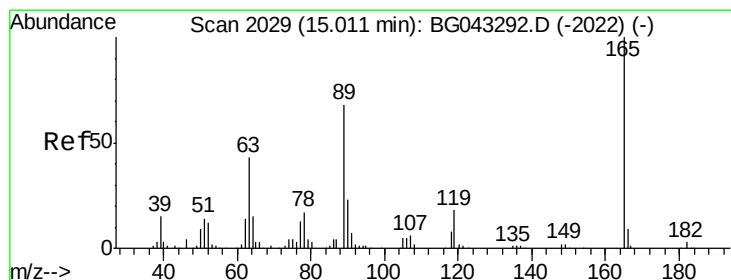
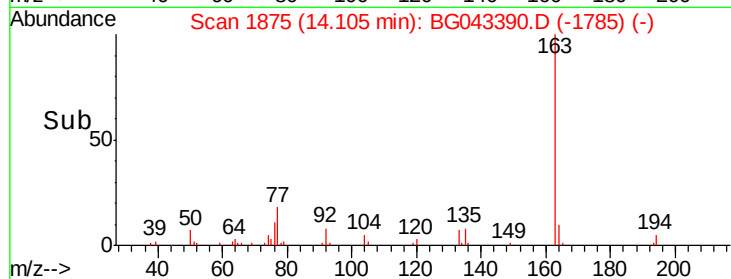
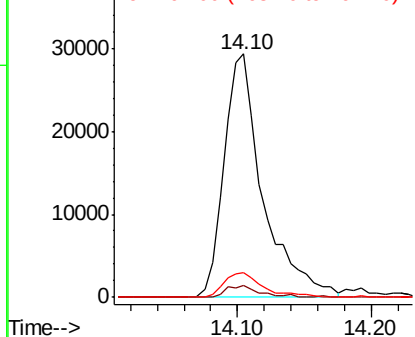


Abundance

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



#57
2,4-Dinitrotoluene
Concen: 5.565 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043390.D
Acq: 30 Oct 2019 2:40

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

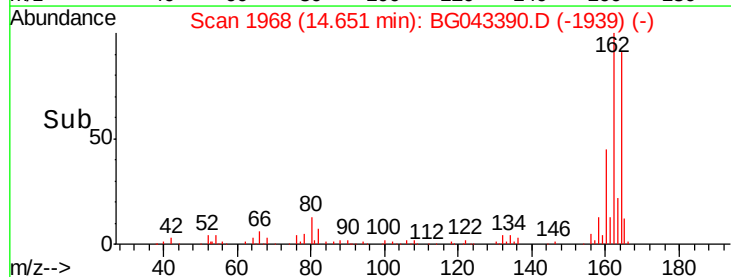
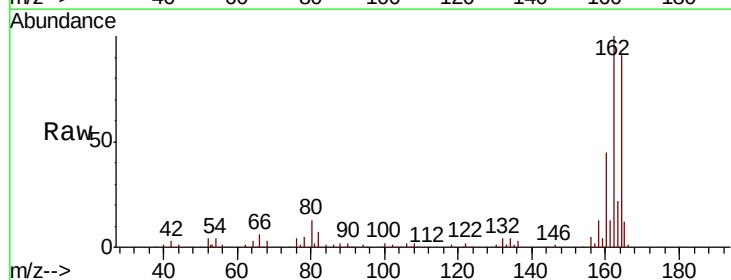
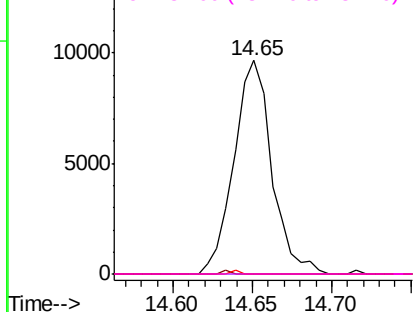
Abundance

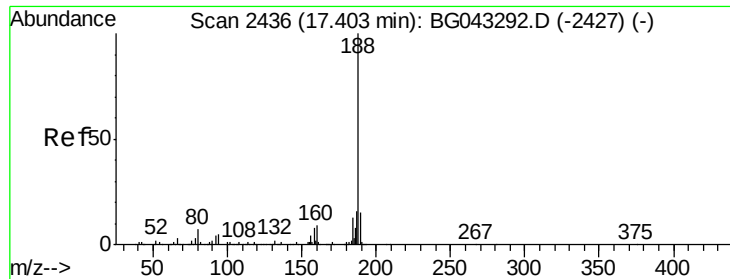
Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Instrument :

BNA_G

ClientSampleId :

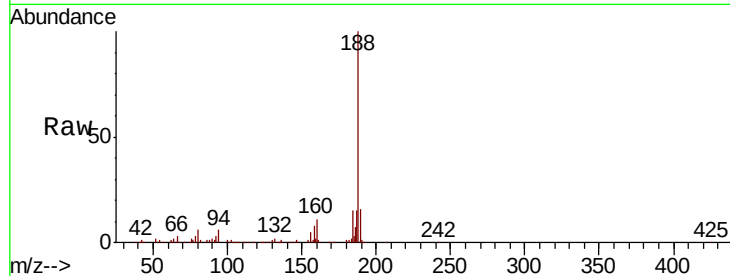
Tot Ion:188 Resp: 262436

Ion Ratio Lower Upper

188 100

94 6.4 4.2 6.2#

80 6.4 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.39

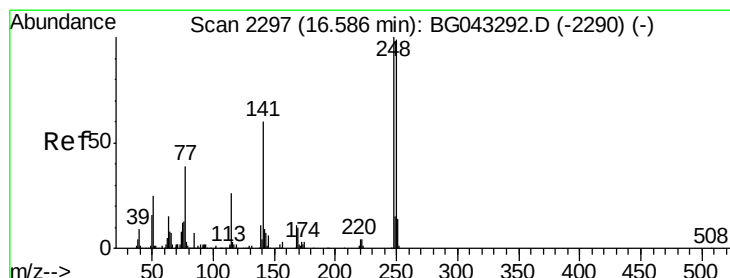
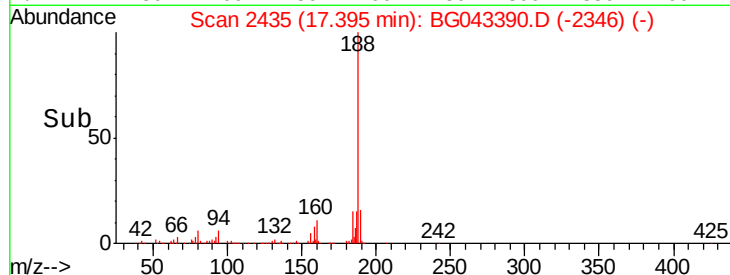
150000

100000

50000

0

Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 5.335 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

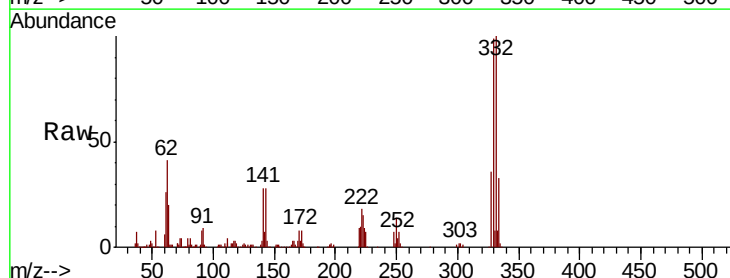
Tgt Ion:248 Resp: 18842

Ion Ratio Lower Upper

248 100

250 202.3 79.3 118.9#

141 415.1 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

60000

50000

40000

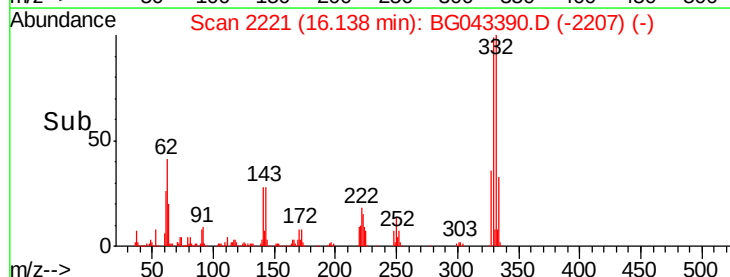
30000

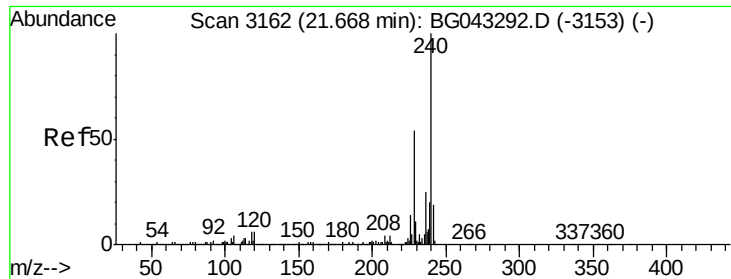
20000

10000

0

Time--> 16.05 16.10 16.15 16.20

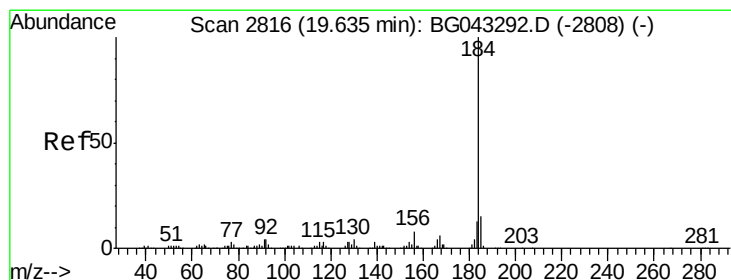
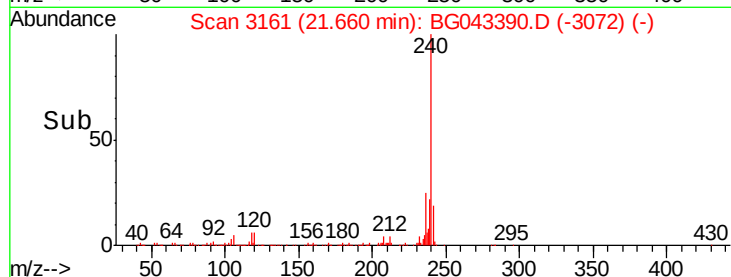
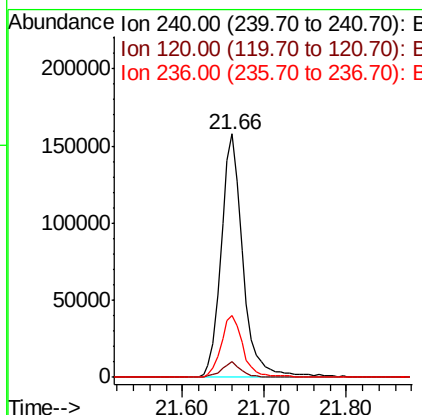
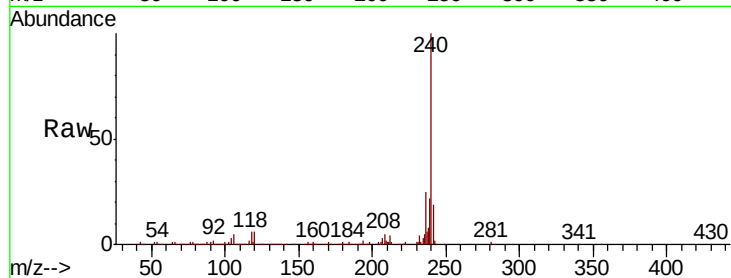




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043390.D
 Acq: 30 Oct 2019 2:40

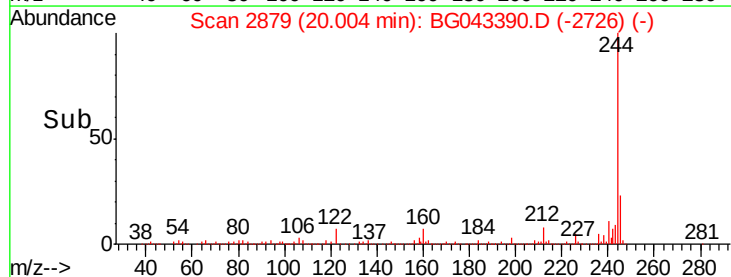
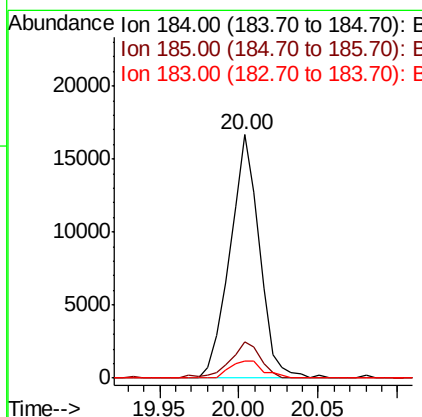
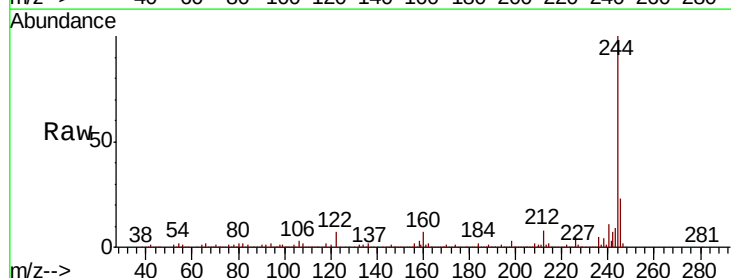
Instrument :
 BNA_G
 ClientSampleId :

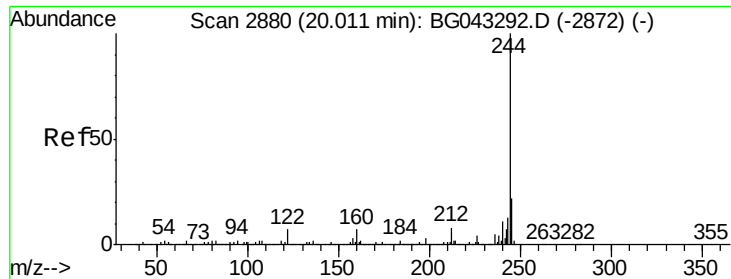
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.6	7.0
236	25.5	20.2	30.4



#77
 Benzidine
 Concen: 3.644 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. 0.37 min
 Lab File: BG043390.D
 Acq: 30 Oct 2019 2:40

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.8	17.6
183	6.9	10.6	16.0#





#79

Terphenyl-d14

Concen: 96.676 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043390.D

Acq: 30 Oct 2019 2:40

Instrument :

BNA_G

ClientSampleId :

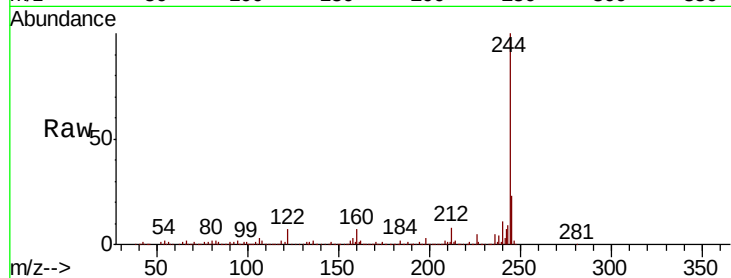
Tot Ion:244 Resp: 1503349

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

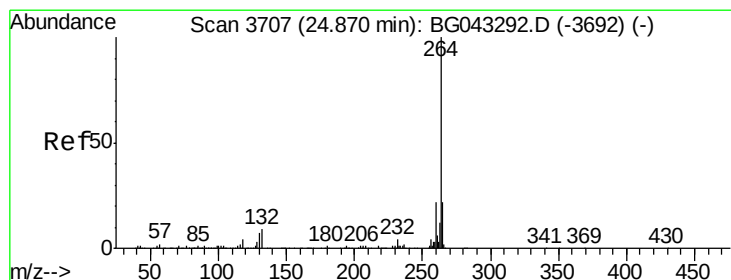
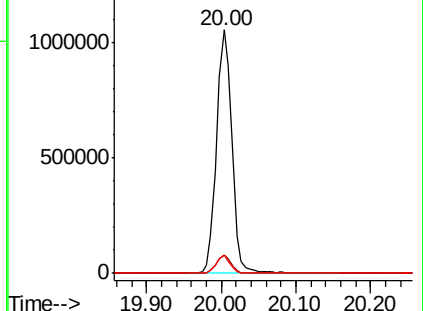
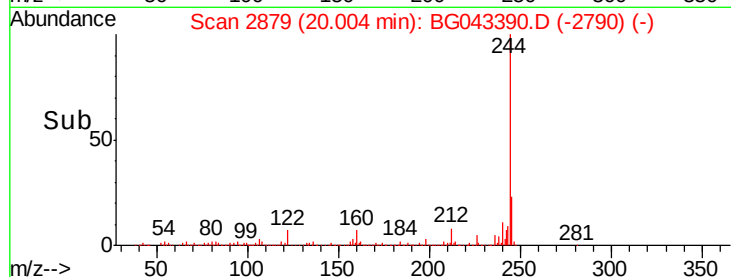
122 7.5 5.3 7.9



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: BG043390.D

Acq: 30 Oct 2019 2:40

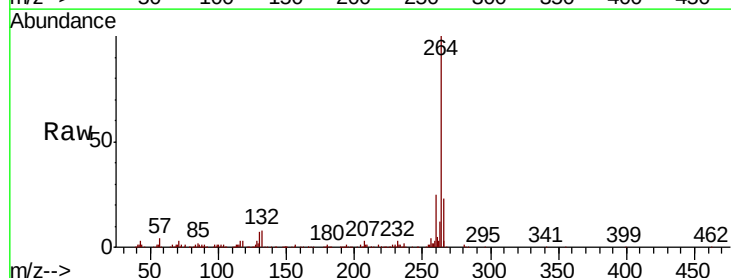
Tgt Ion:264 Resp: 338537

Ion Ratio Lower Upper

264 100

260 24.9 17.9 26.9

265 23.1 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

