

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043397.D
 Acq On : 30 Oct 2019 7:10
 Operator : JU
 Sample : K5576-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 09:14:07 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	42888	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	152913	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	112067	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	256020	20.00	ng	0.00
76) Chrysene-d12	21.66	240	291359	20.00	ng	-0.01
87) Perylene-d12	24.86	264	353042	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	96330	41.16	ng	0.00
7) Phenol-d6	7.21	99	135335	40.19	ng	0.00
23) Nitrobenzene-d5	9.19	82	242402	81.73	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	82580	38.72	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	646667	79.74	ng	0.00
79) Terphenyl-d14	20.01	244	1358313	87.46	ng	0.00

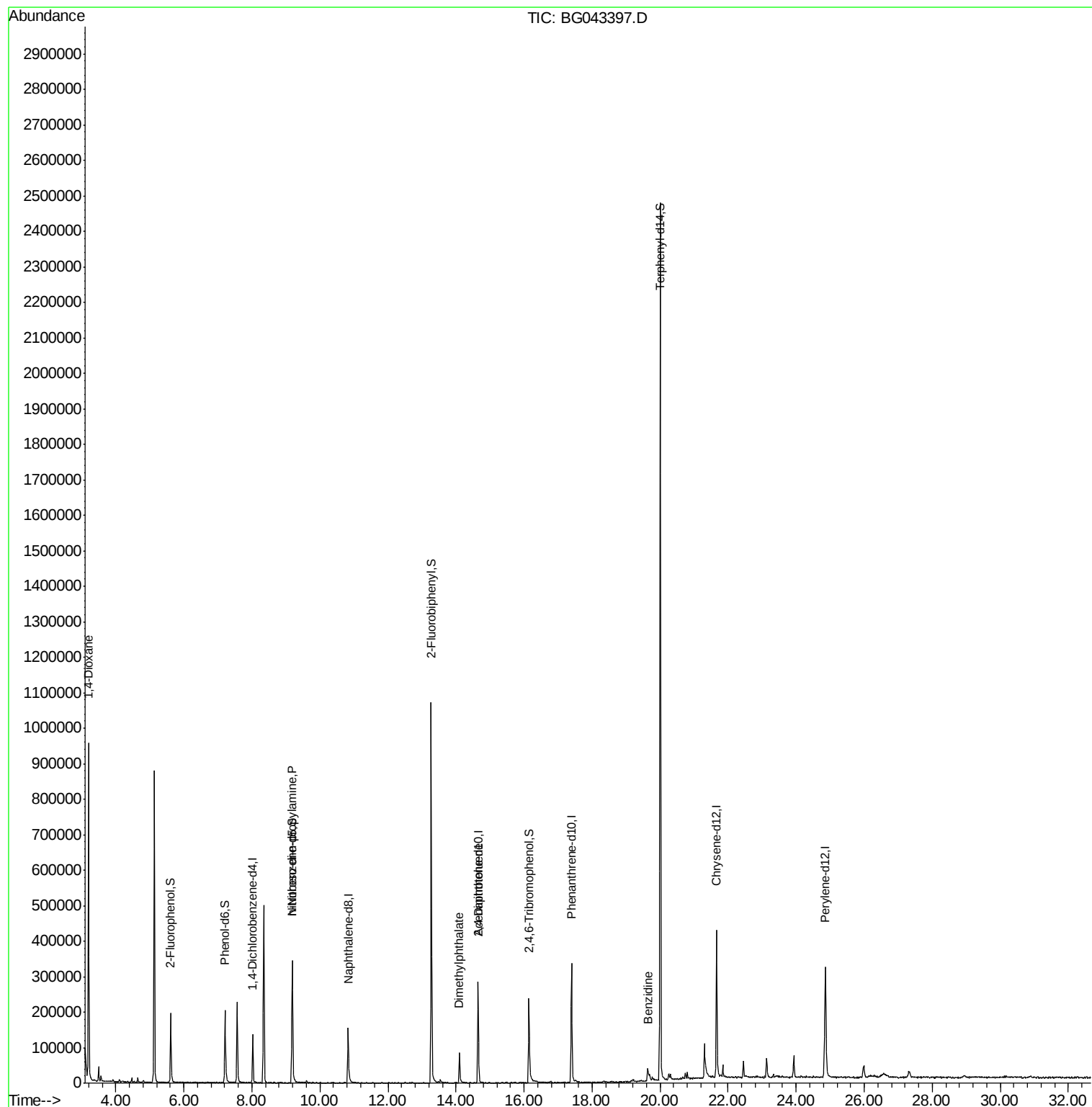
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	8655	9.489	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	34457	15.835	ng	# 79
50) Dimethylphthalate	14.10	163	72337	8.333	ng	# 99
57) 2,4-Dinitrotoluene	14.65	165	15063	5.589	ng	# 27
77) Benzidine	19.64	184	42943	7.324	ng	# 93

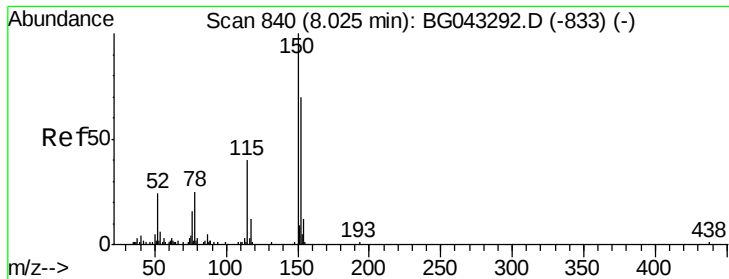
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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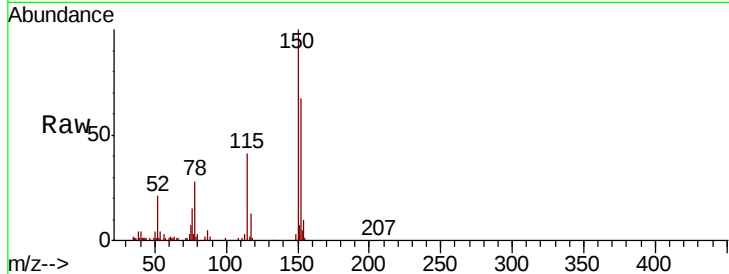


#1

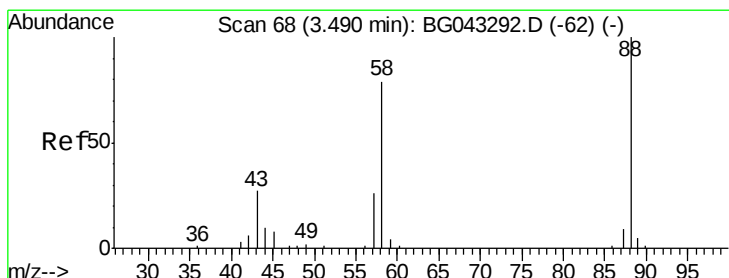
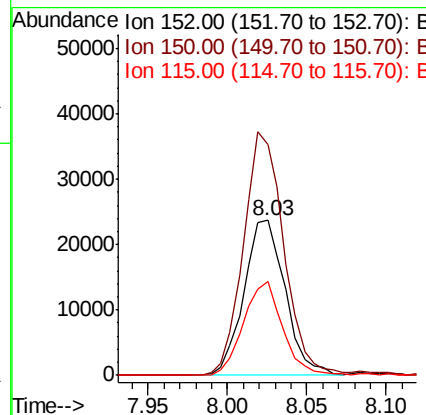
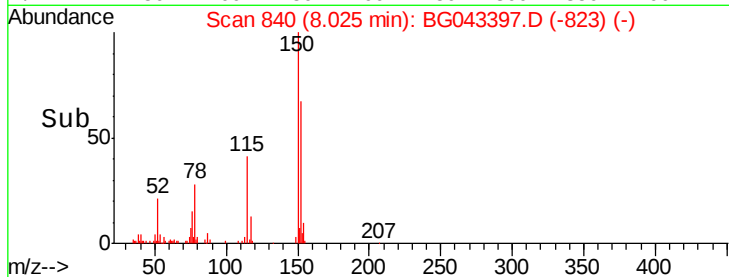
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42888
Ion Ratio Lower Upper
152 100
150 149.1 113.6 170.4
115 60.6 45.9 68.9



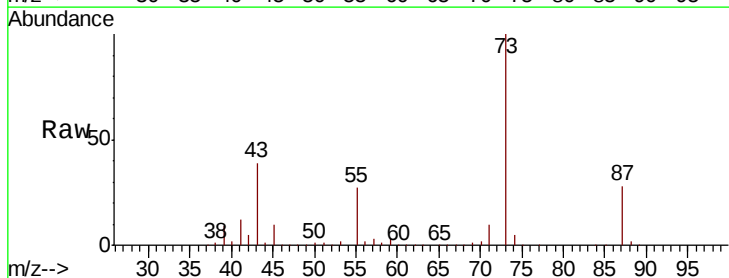
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



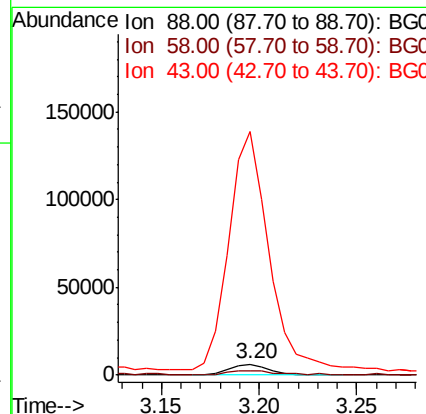
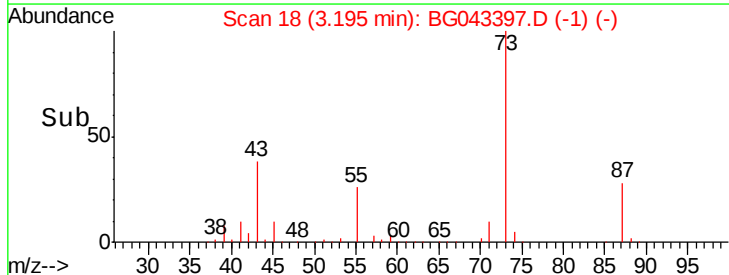
#2

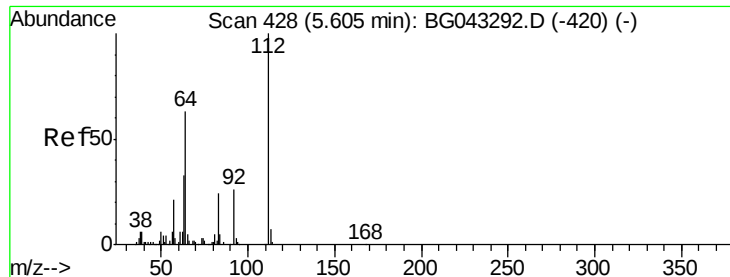
1,4-Dioxane
Concen: 9.489 ng
RT: 3.20 min Scan# 18
Delta R.T. -0.29 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Tgt Ion: 88 Resp: 8655
Ion Ratio Lower Upper
88 100
58 40.5 60.2 90.2#
43 2276.6 22.7 34.1#



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: 41.158 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043397.D

Acq: 30 Oct 2019 7:10

Instrument :

BNA_G

ClientSampleId :

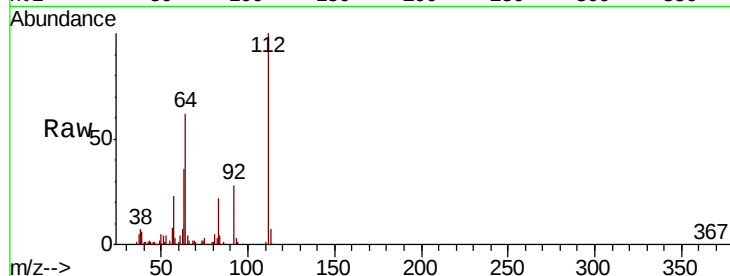
Tot Ion:112 Resp: 96330

Ion Ratio Lower Upper

112 100

64 61.6 50.2 75.2

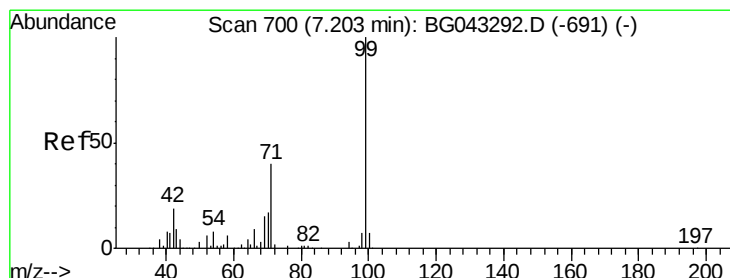
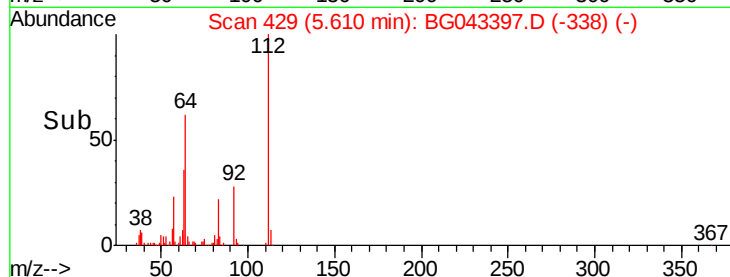
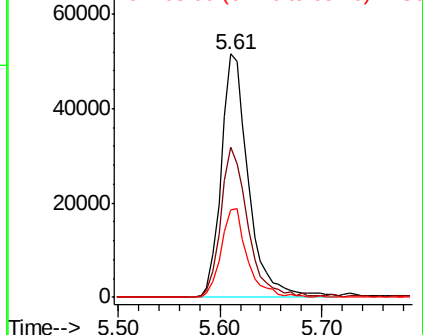
63 35.9 26.7 40.1



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: 40.190 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043397.D

Acq: 30 Oct 2019 7:10

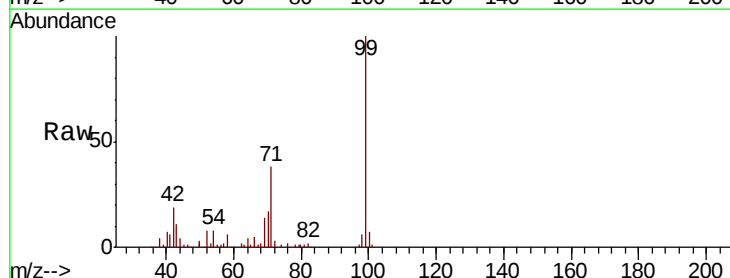
Tgt Ion: 99 Resp: 135335

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

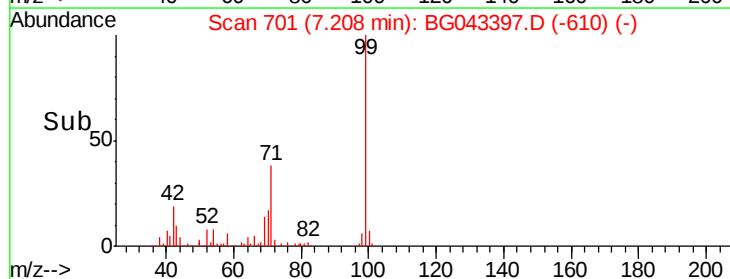
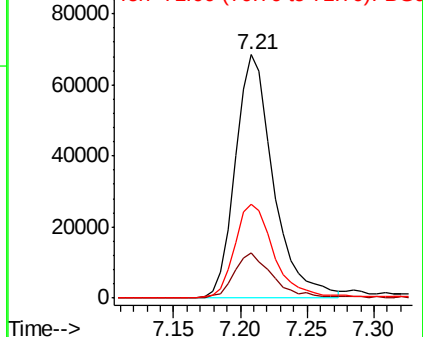
71 38.4 32.2 48.2

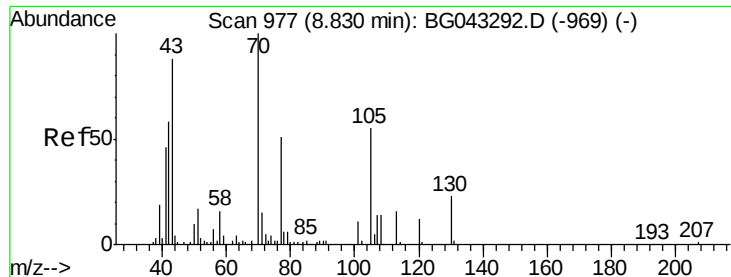


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

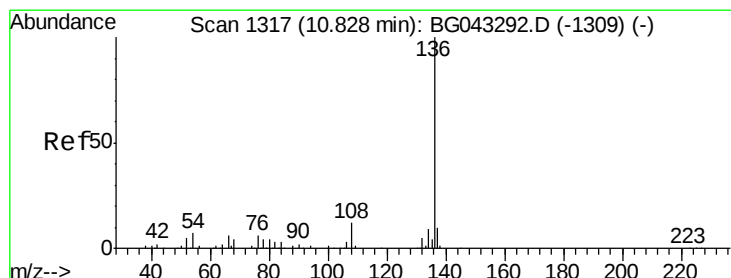
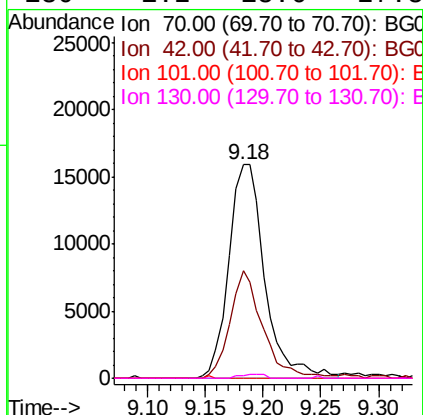
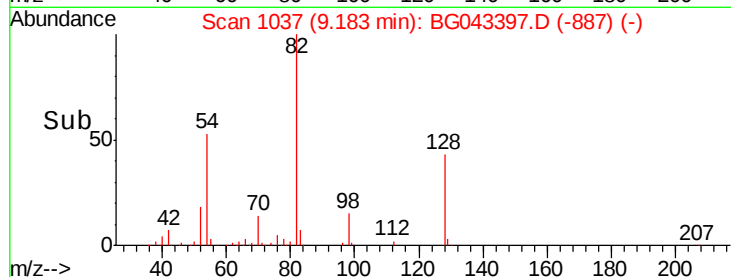
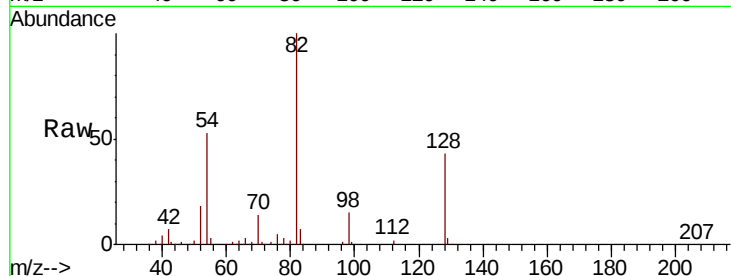




#19
n-Nitroso-di-n-propylamine
Concen: 15.835 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

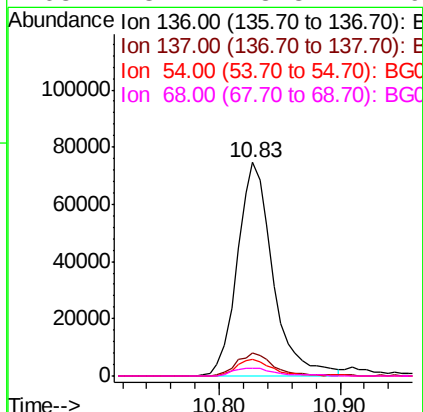
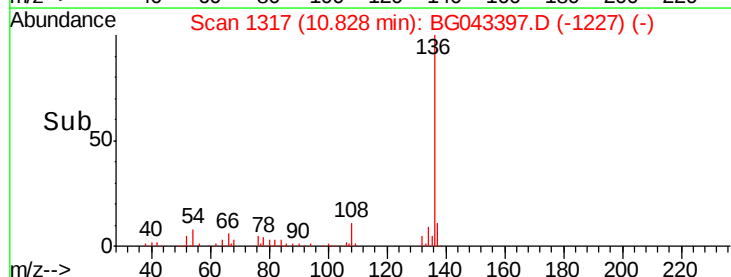
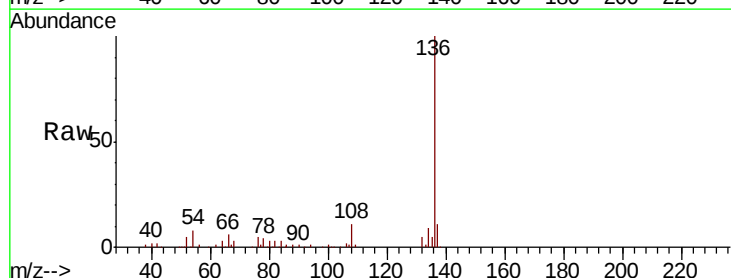
Instrument :
BNA_G
ClientSampled :

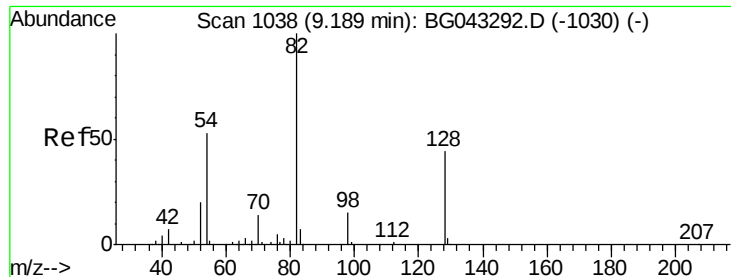
Tot Ion	Ratio	Lower	Upper
70	100		
42	50.5	46.2	69.2
101	0.0	8.6	13.0#
130	1.2	18.6	27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.2
54	7.6	5.4	8.2
68	3.4	3.3	4.9

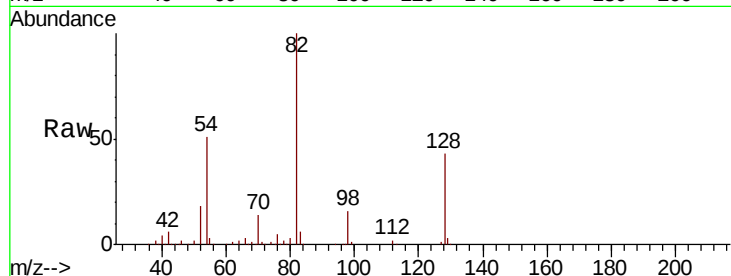




#23
Nitrobenzene-d5
Concen: 81.726 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	242402
Ion Ratio	100	Lower	Upper
128	42.7	35.3	52.9
54	51.4	42.3	63.5

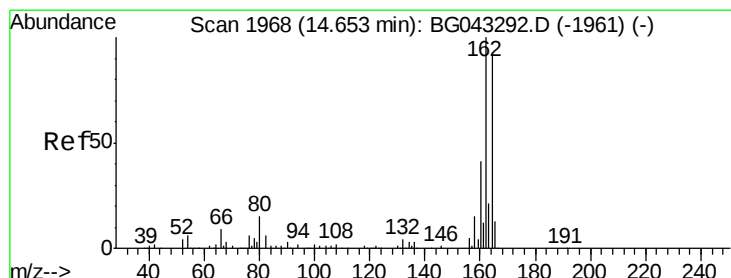
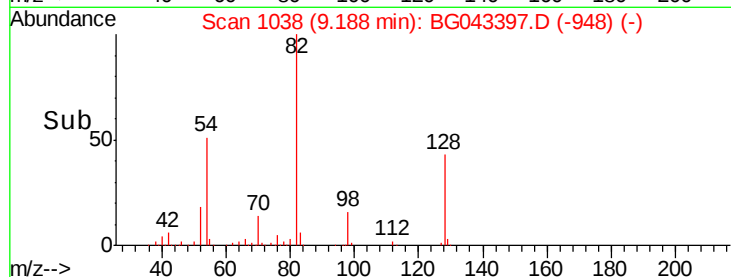
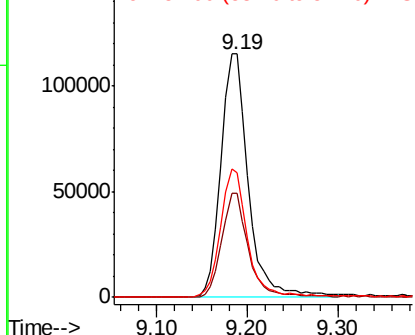


Abundance

Ion 82.00 (81.70 to 82.70): BGC

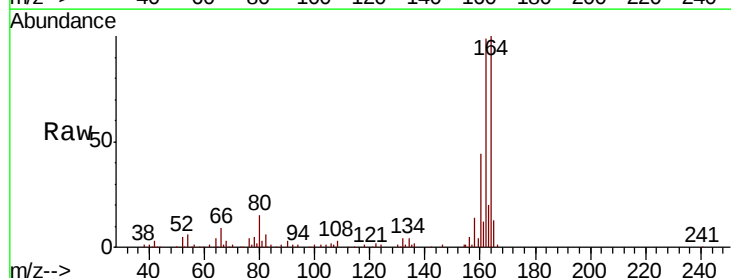
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Tgt Ion	164	Resp	112067
Ion Ratio	100	Lower	Upper
162	98.9	87.0	130.4
160	43.8	35.5	53.3

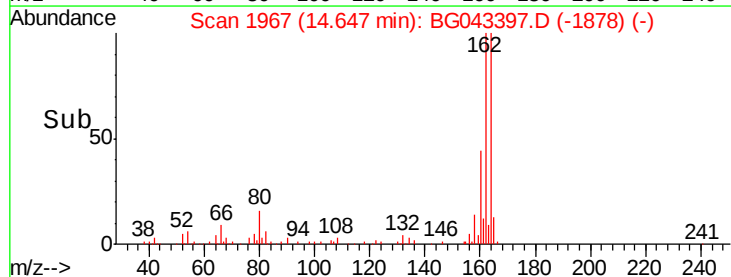
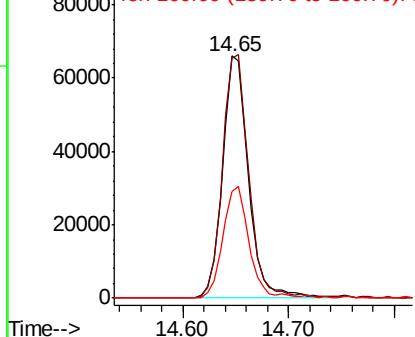


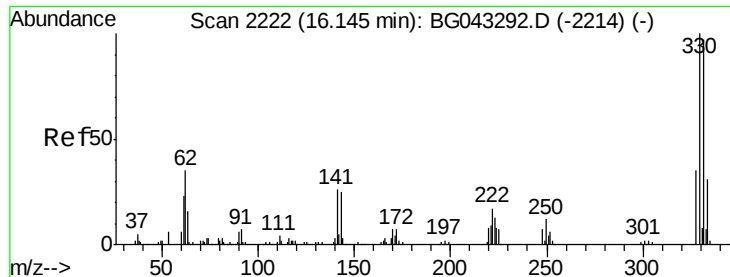
Abundance

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

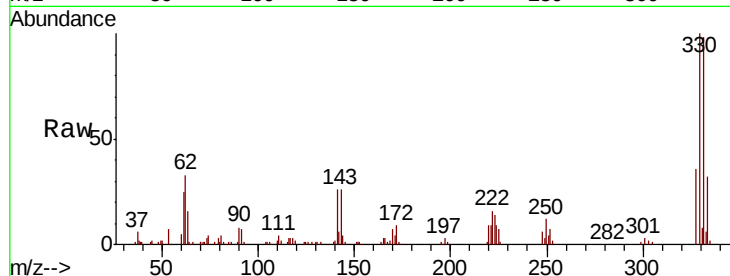




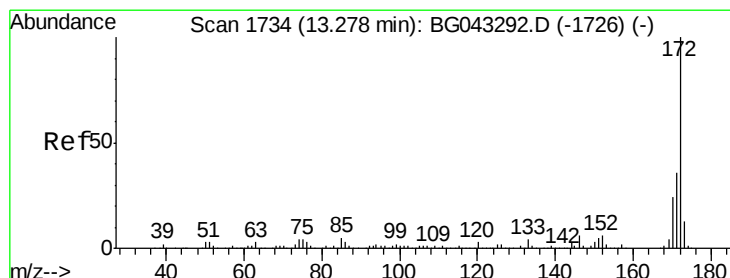
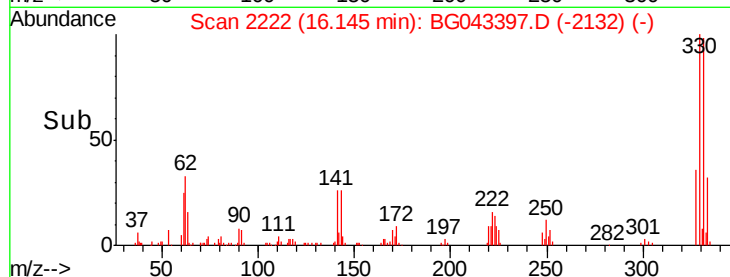
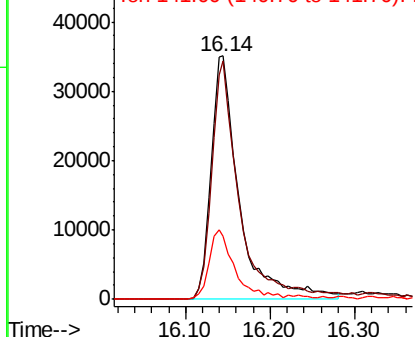
#42
 2,4,6-Tribromophenol
 Concen: 38.722 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043397.D
 Acq: 30 Oct 2019 7:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.4	114.6
141	25.8	21.4	32.0

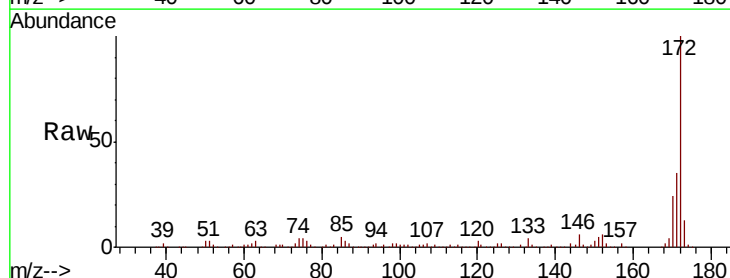


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

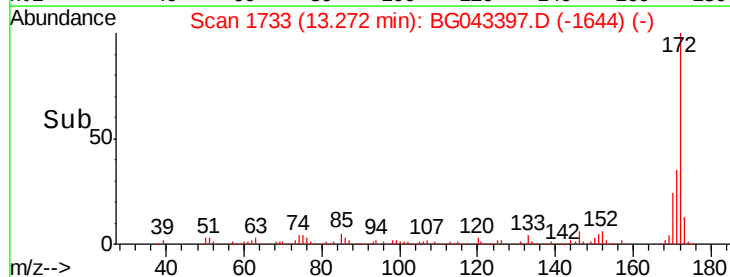
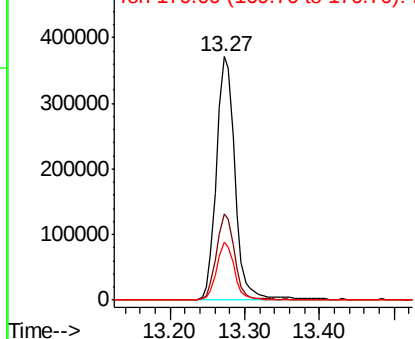


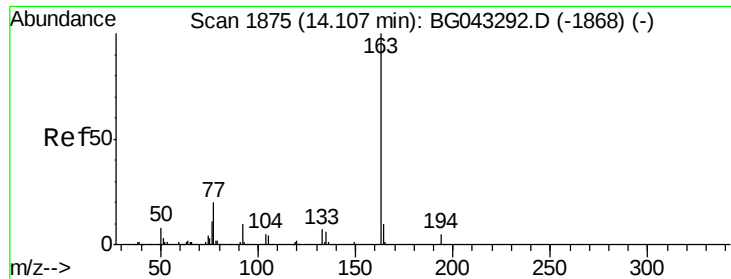
#45
 2-Fluorobiphenyl
 Concen: 79.735 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043397.D
 Acq: 30 Oct 2019 7:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.7	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

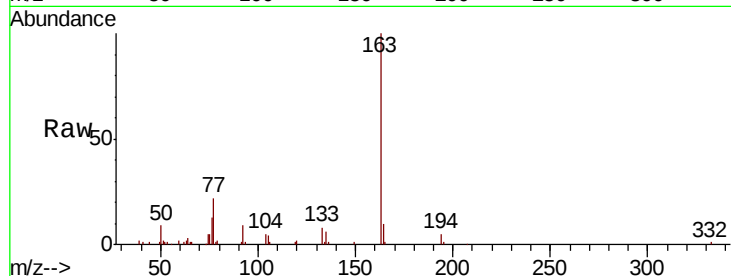




#50
Dimethylphthalate
Concen: 8.333 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.7	5.5
164	10.3	8.1	12.1

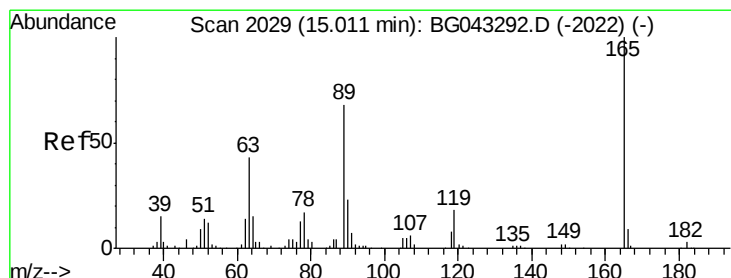
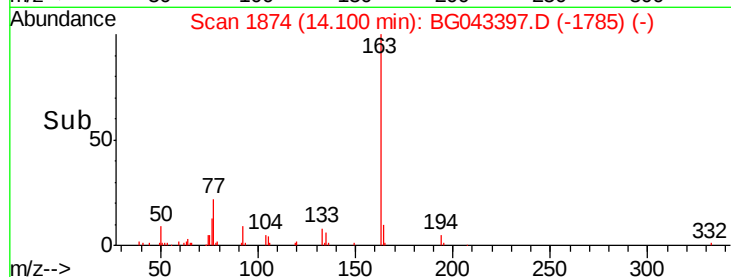
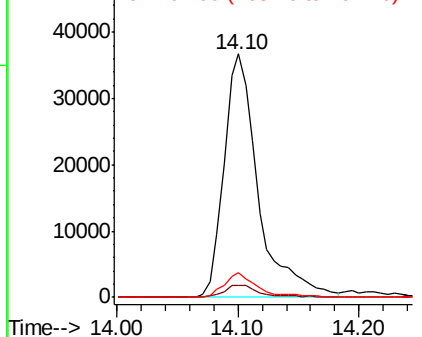


Abundance

Ion 163.00 (162.70 to 163.70): E

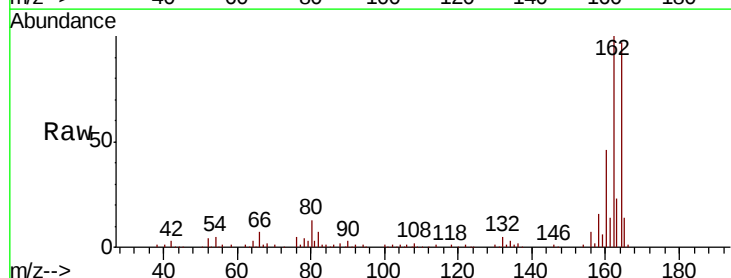
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.589 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	35.0	52.6#
89	2.1	54.1	81.1#
182	0.0	2.2	3.2#



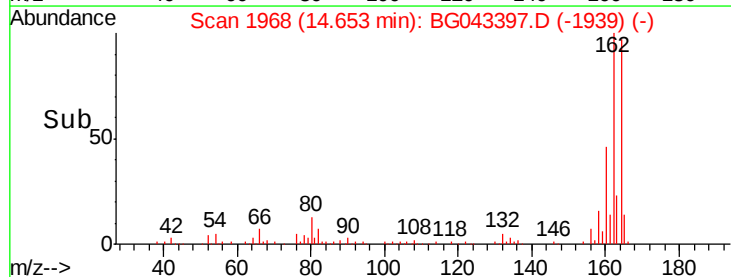
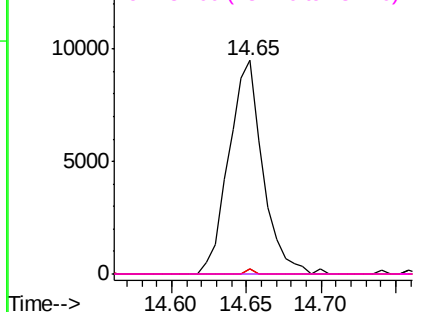
Abundance

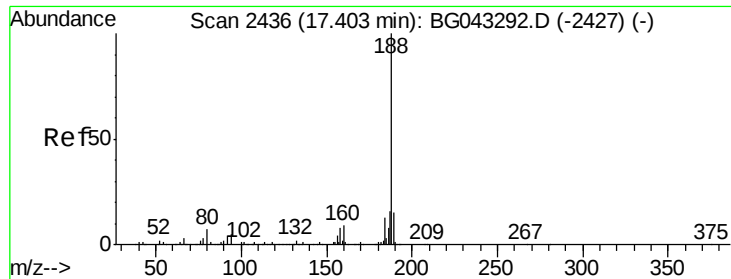
Ion 165.00 (164.70 to 165.70): E

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

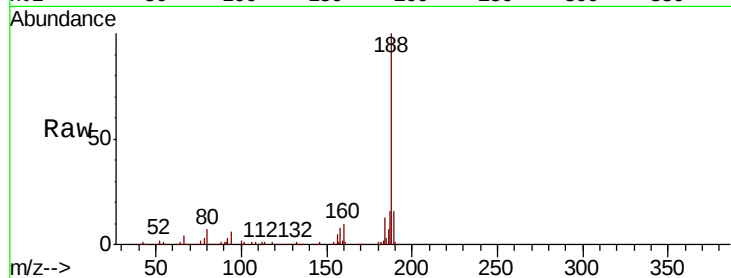




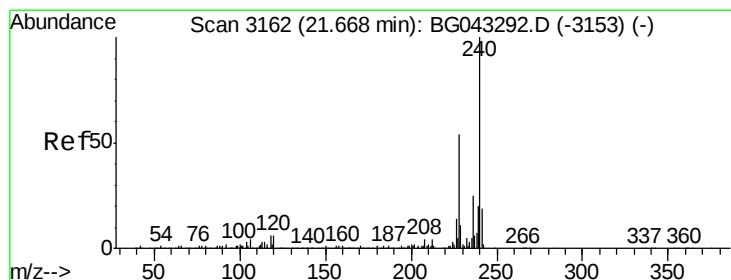
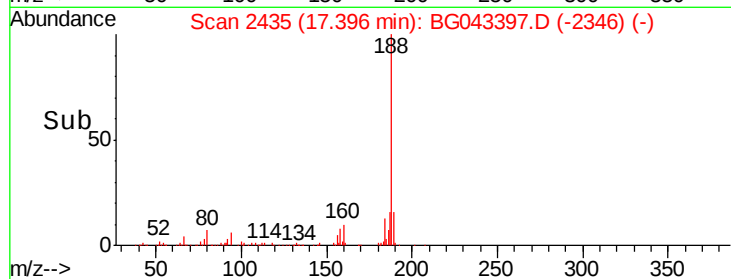
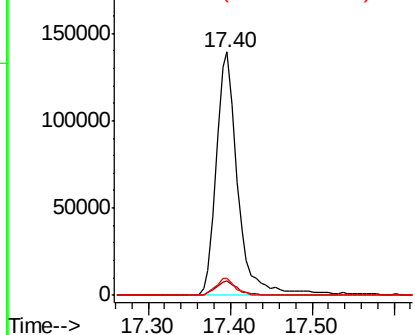
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.2	6.2
80	6.8	5.2	7.8

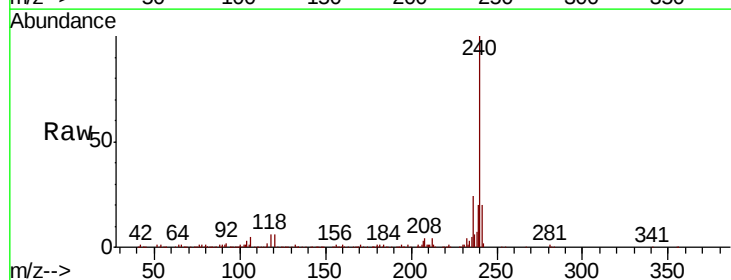


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

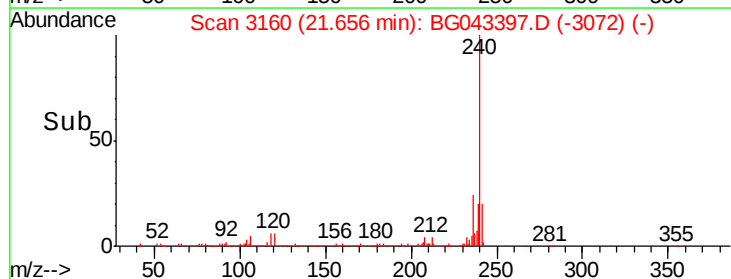
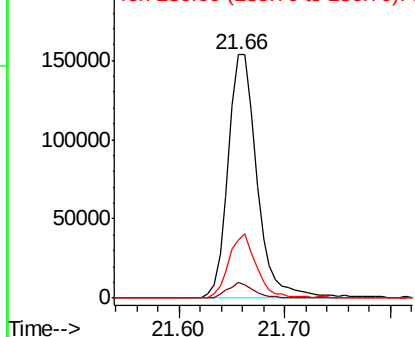


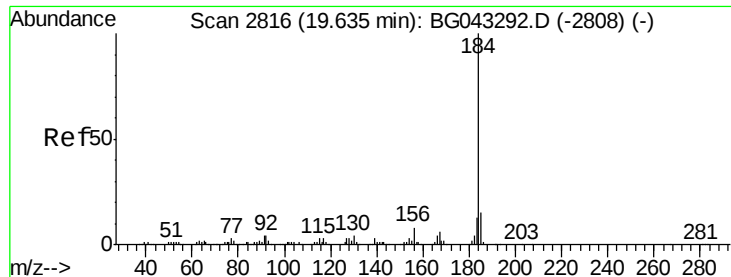
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BG043397.D
Acq: 30 Oct 2019 7:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	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





#77

Benzidine

Concen: 7.324 ng

RT: 19.64 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BG043397.D

Acq: 30 Oct 2019 7:10

Instrument :

BNA_G

ClientSampleId :

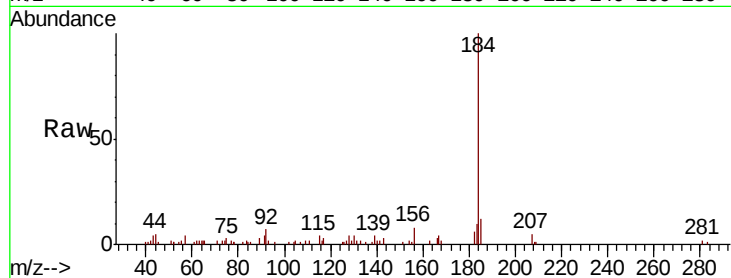
Tot Ion:184 Resp: 42943

Ion Ratio Lower Upper

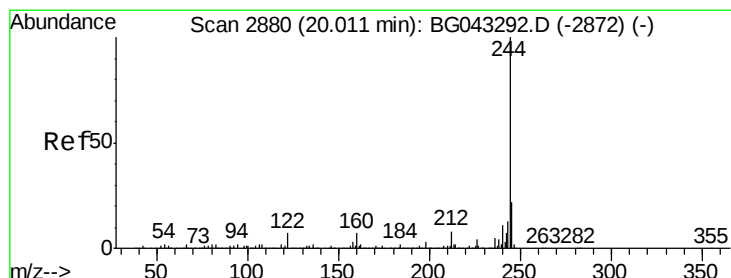
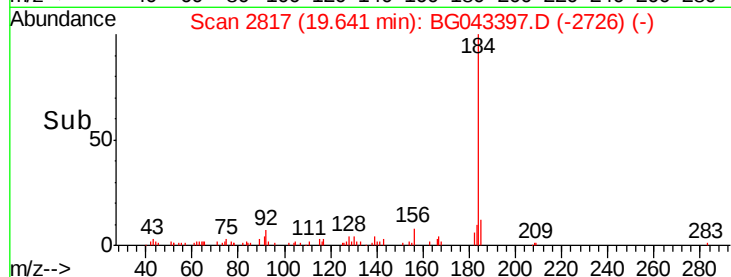
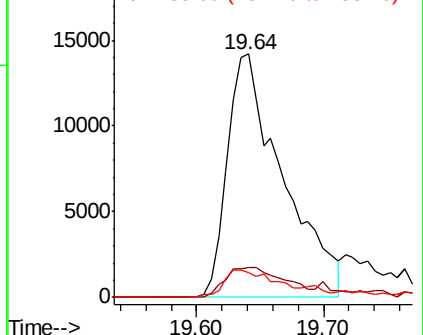
184 100

185 12.4 11.8 17.6

183 10.3 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: 87.462 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043397.D

Acq: 30 Oct 2019 7:10

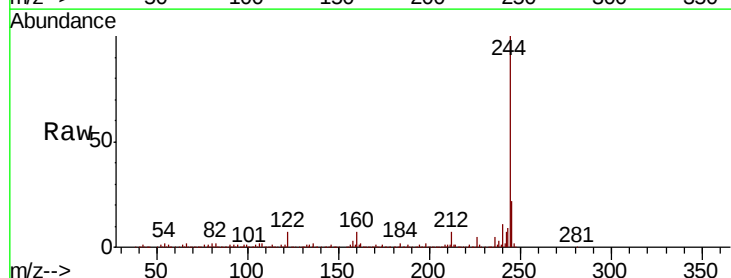
Tgt Ion:244 Resp: 1358313

Ion Ratio Lower Upper

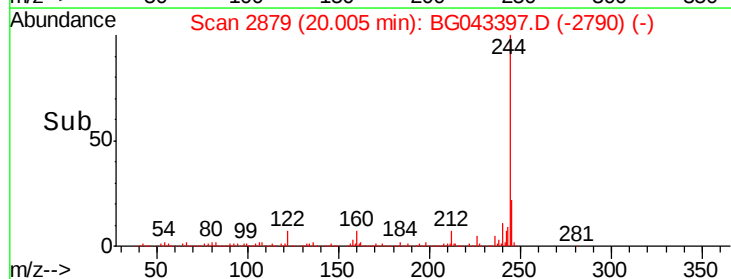
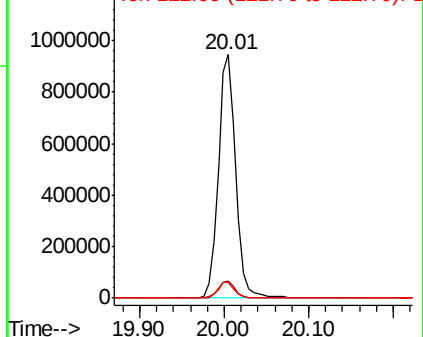
244 100

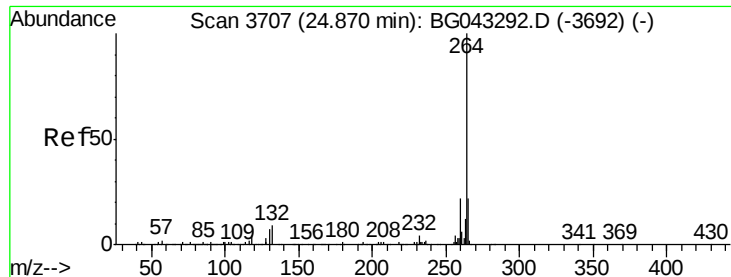
212 7.2 6.4 9.6

122 6.7 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

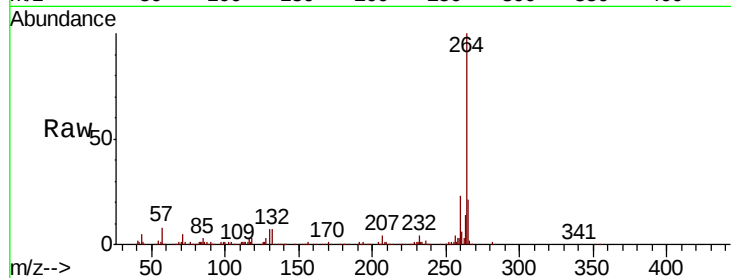




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043397.D
 Acq: 30 Oct 2019 7:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	21.3	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

