

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042892.D
 Acq On : 18 Sep 2019 13:44
 Operator : HP/JU
 Sample : K4863-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:12:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	55392	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	218809	20.00	ng	-0.03
39) Acenaphthene-d10	14.71	164	167169	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	390531	20.00	ng	-0.03
76) Chrysene-d12	21.74	240	374887	20.00	ng	-0.03
87) Perylene-d12	24.99	264	391444	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	398429	125.05	ng	0.00
7) Phenol-d6	7.29	99	558857	122.20	ng	0.02
23) Nitrobenzene-d5	9.26	82	441973	105.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	337481	151.74	ng	-0.02
45) 2-Fluorobiphenyl	13.35	172	1022063	96.78	ng	-0.03
79) Terphenyl-d14	20.07	244	1804764	106.70	ng	-0.03

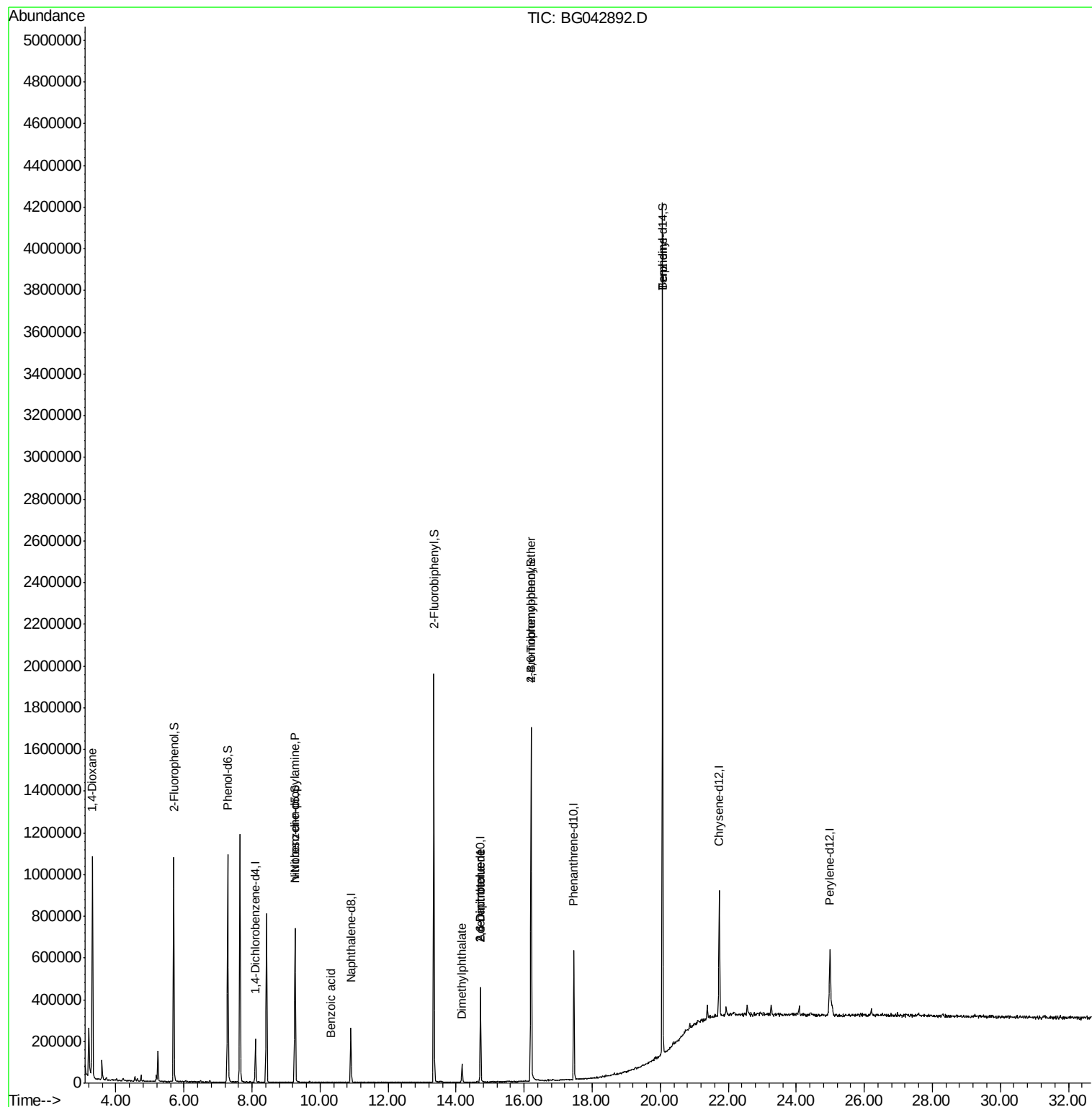
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	8799	6.051	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	63848	18.947	ng	# 76
32) Benzoic acid	10.33	122	73	5.990	ng	# 1
50) Dimethylphthalate	14.17	163	57115	4.561	ng	# 97
51) 2,6-Dinitrotoluene	14.71	165	22691	8.831	ng	# 19
57) 2,4-Dinitrotoluene	14.71	165	22693	6.626	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	22159	4.688	ng	# 1
77) Benzidine	20.07	184	35161	3.357	ng	# 94

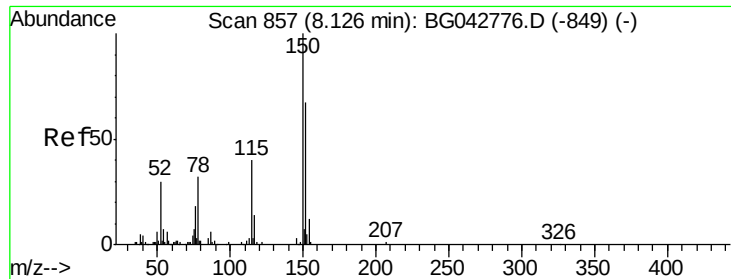
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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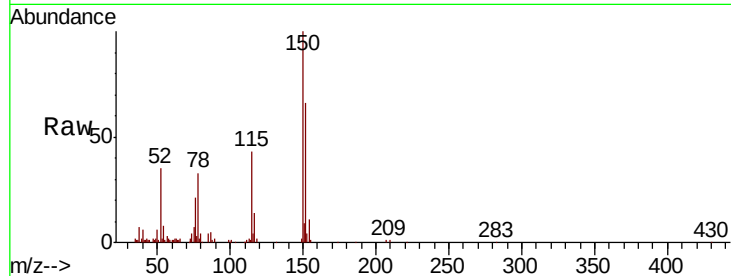


#1

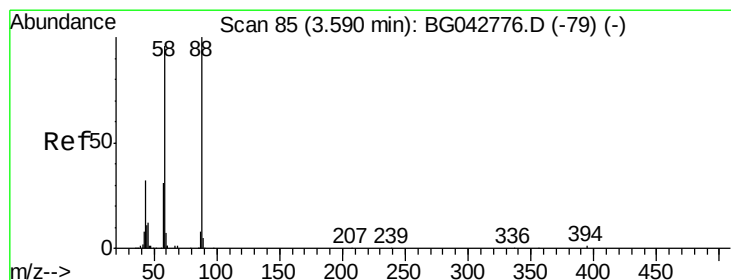
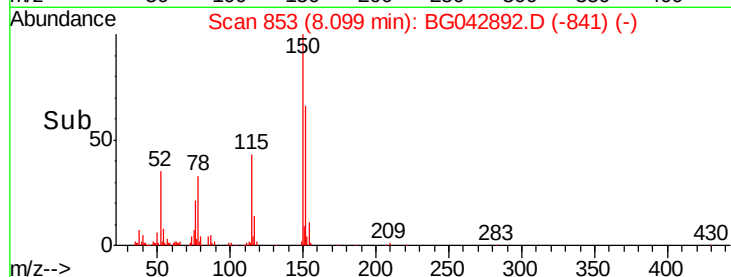
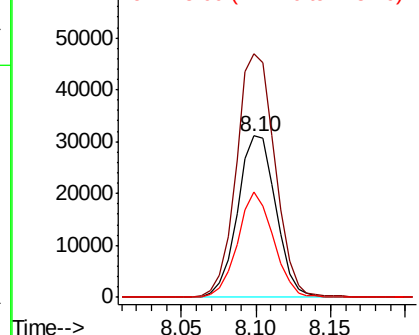
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55392
Ion Ratio Lower Upper
152 100
150 150.7 118.9 178.3
115 64.9 47.4 71.2



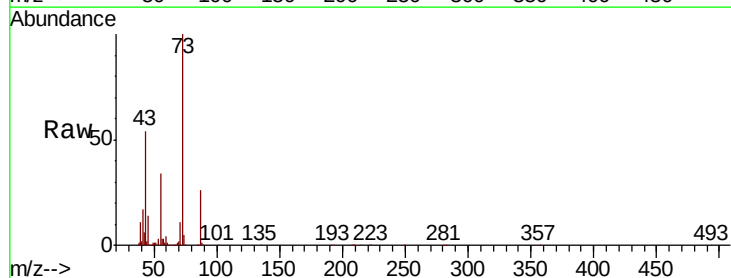
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



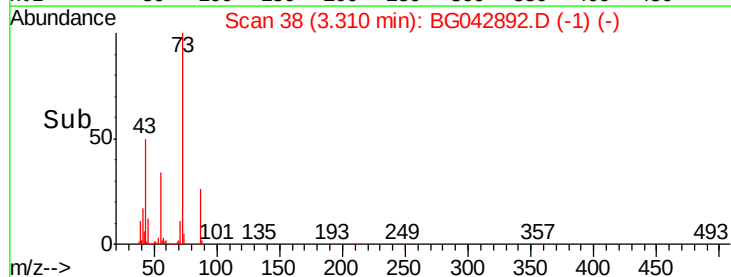
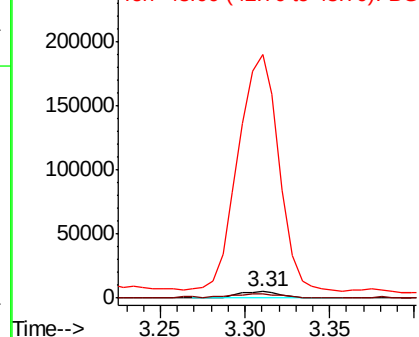
#2

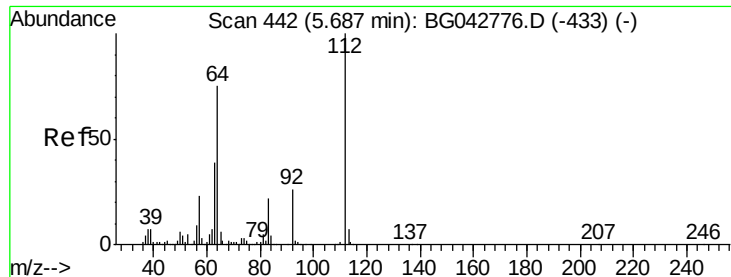
1,4-Dioxane
Concen: 6.051 ng
RT: 3.31 min Scan# 38
Delta R.T. -0.28 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion: 88 Resp: 8799
Ion Ratio Lower Upper
88 100
58 57.5 79.1 118.7#
43 3511.9 30.4 45.6#



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: 125.052 ng

RT: 5.70 min Scan# 444

Delta R.T. 0.01 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

Instrument :

BNA_G

ClientSampleId :

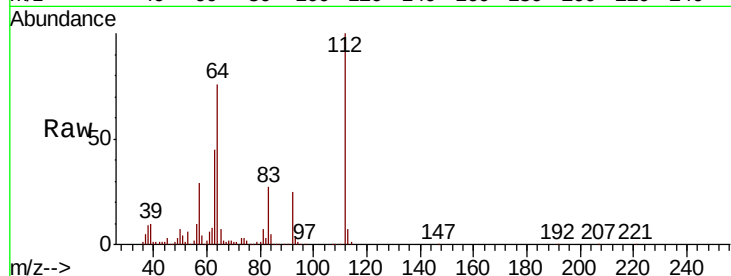
Tot Ion:112 Resp: 398429

Ion Ratio Lower Upper

112 100

64 76.4 60.2 90.2

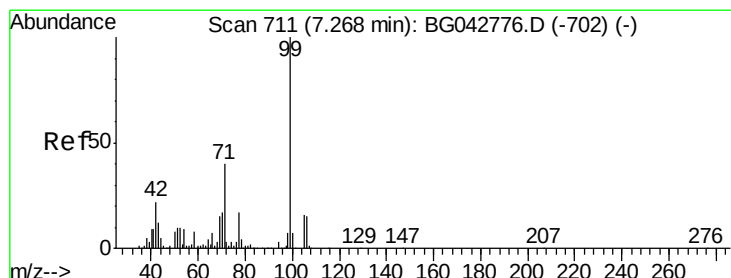
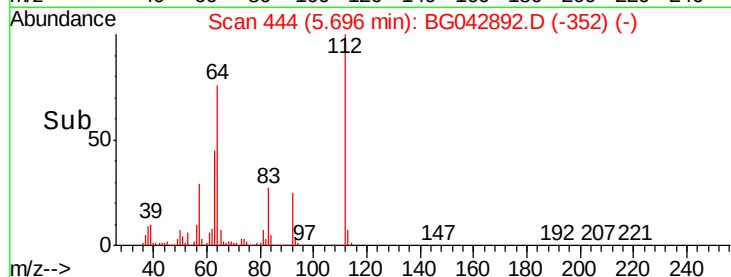
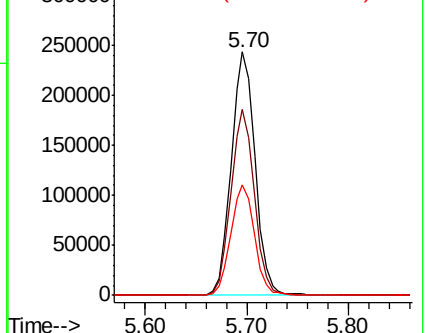
63 45.3 31.2 46.8



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: 122.204 ng

RT: 7.29 min Scan# 715

Delta R.T. 0.02 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

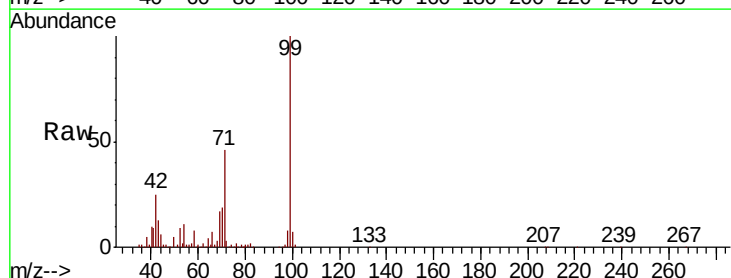
Tgt Ion: 99 Resp: 558857

Ion Ratio Lower Upper

99 100

42 24.5 17.5 26.3

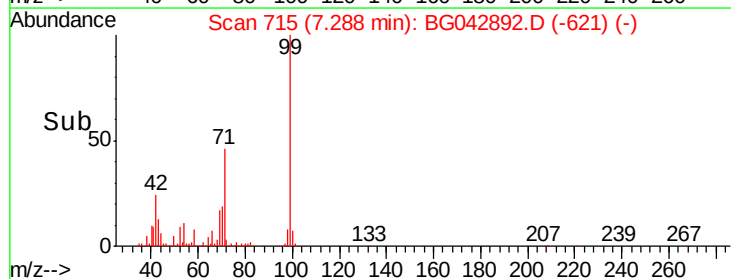
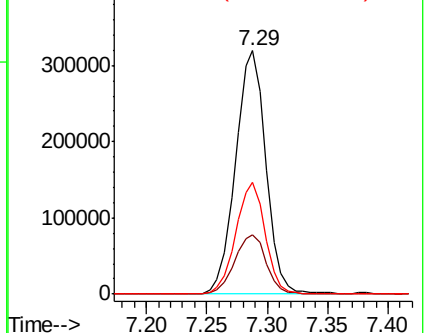
71 45.7 32.0 48.0

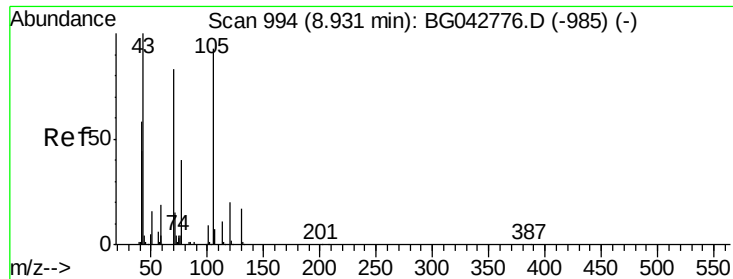


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

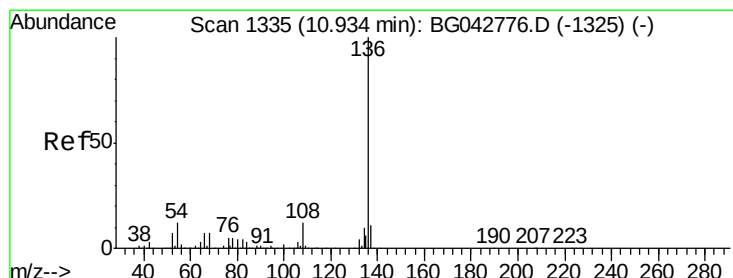
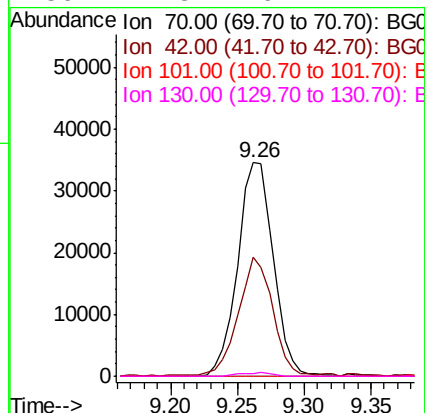
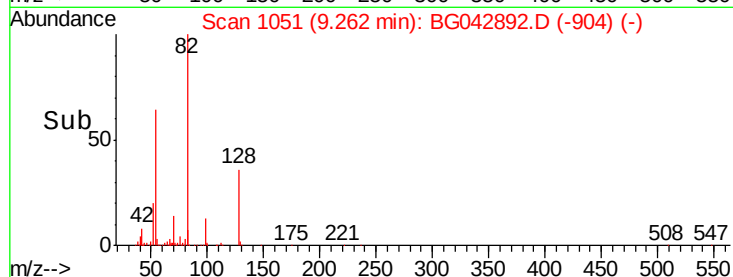
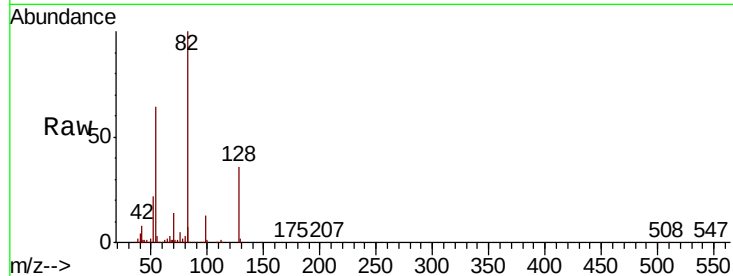




#19
n-Nitroso-di-n-propylamine
Concen: 18.947 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.33 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

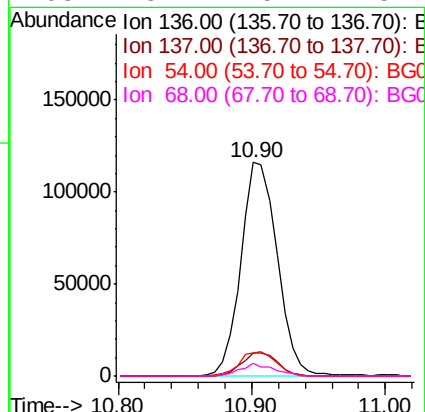
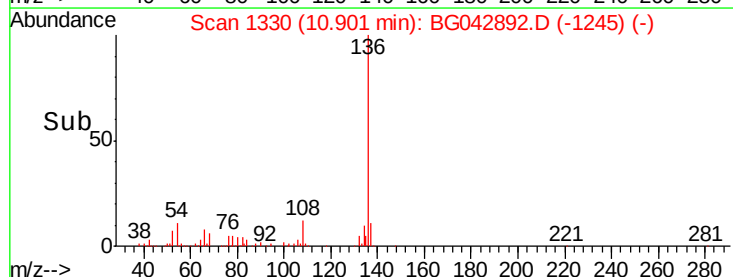
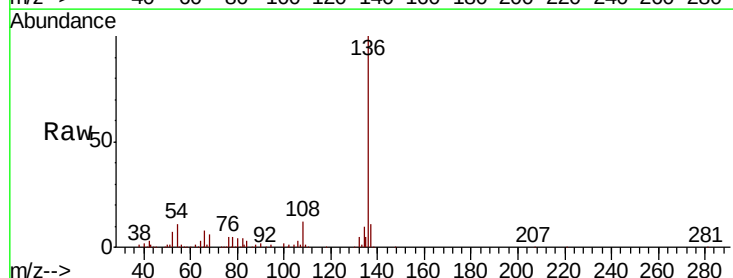
Instrument :
BNA_G
ClientSampleId :

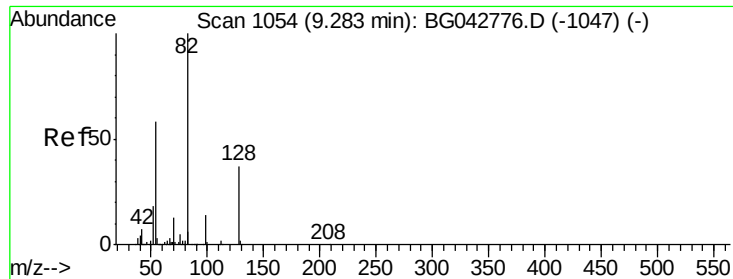
Tot Ion: 70 Resp: 63848
Ion Ratio Lower Upper
70 100
42 55.5 57.0 85.6#
101 0.0 8.4 12.6#
130 1.3 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion:136 Resp: 218809
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.6 9.4 14.0
68 5.7 5.4 8.2

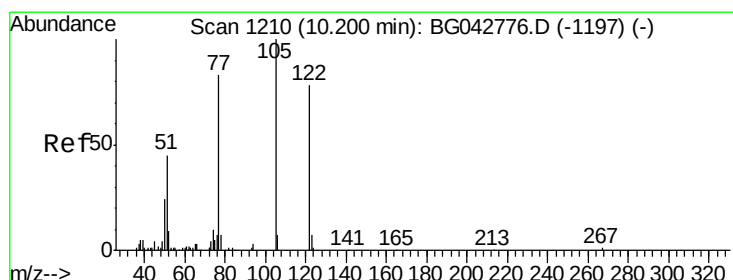
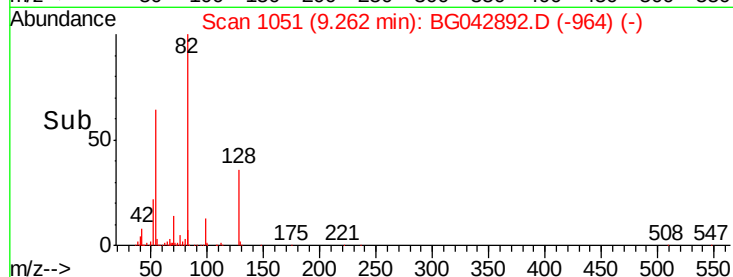
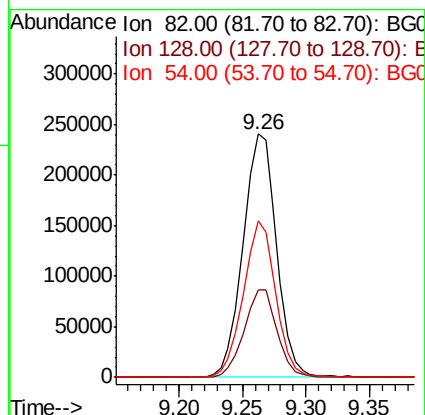
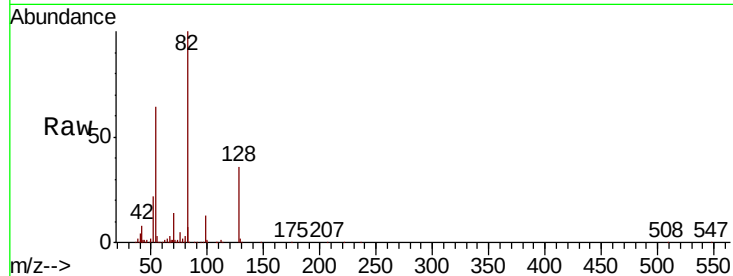




#23
Nitrobenzene-d5
Concen: 105.161 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

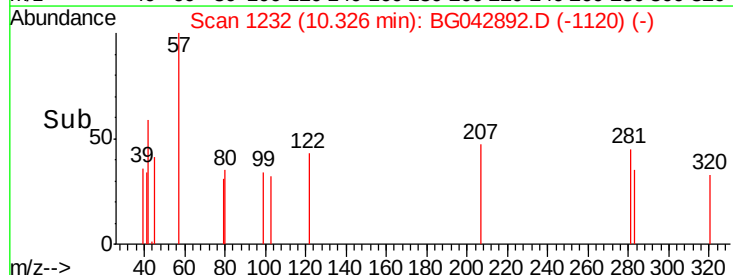
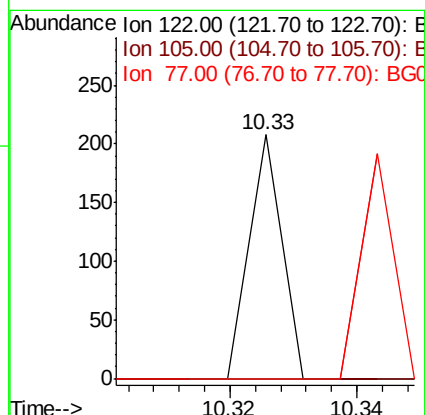
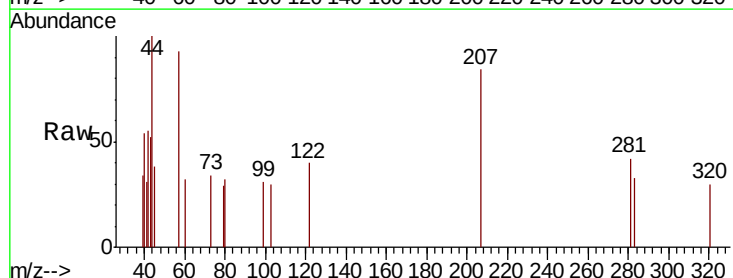
Instrument :
BNA_G
ClientSampleId :

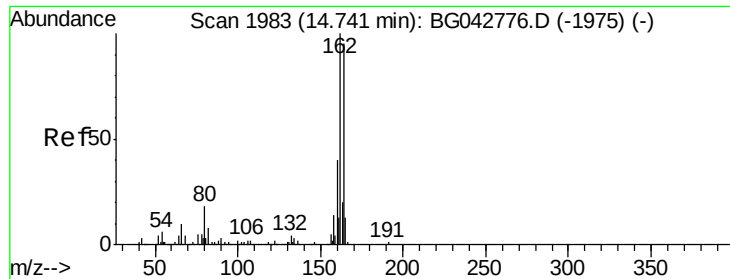
Tot Ion: 82 Resp: 441973
Ion Ratio Lower Upper
82 100
128 35.9 29.8 44.8
54 64.2 46.1 69.1



#32
Benzoic acid
Concen: 5.990 ng
RT: 10.33 min Scan# 1232
Delta R.T. 0.13 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion: 122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 0.0 84.2 124.2#

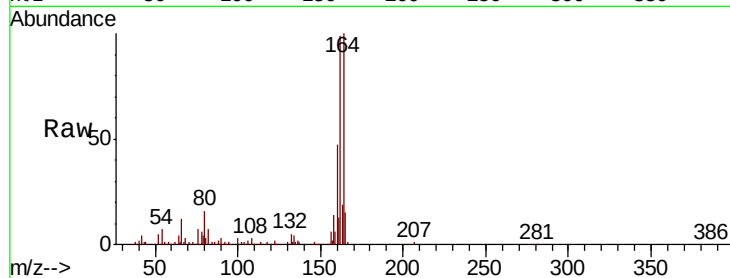




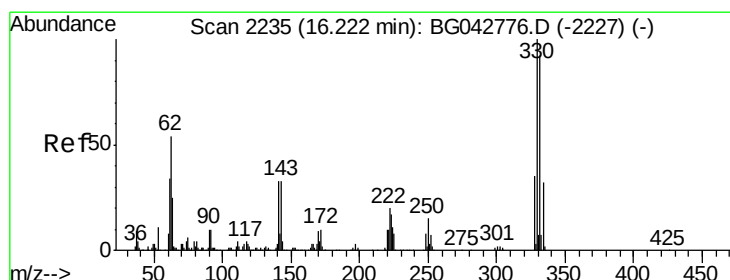
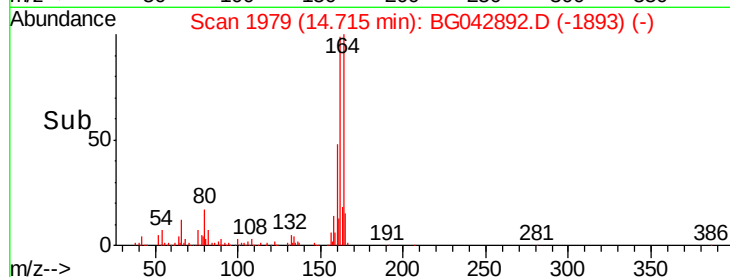
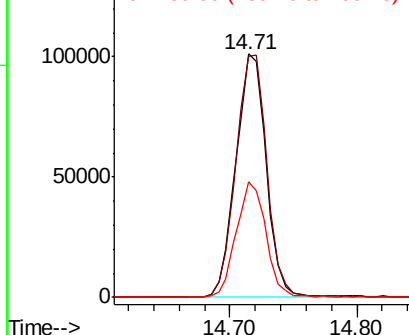
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.03 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	84.6	126.8
160	47.4	34.2	51.2

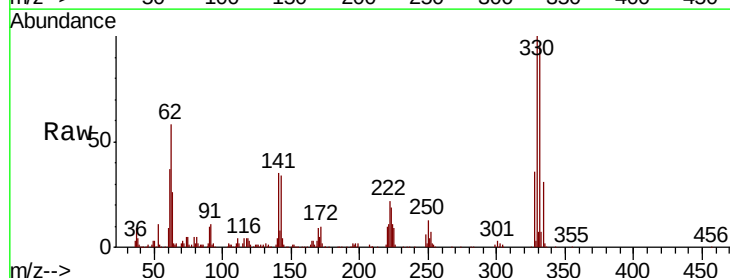


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

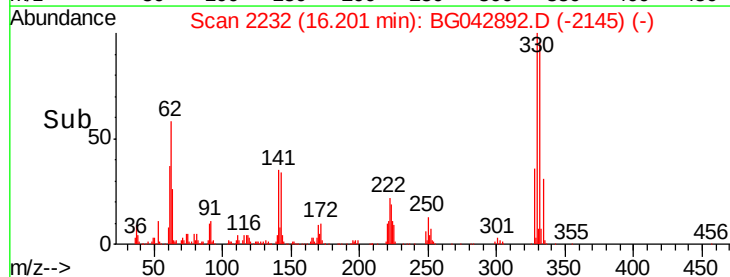
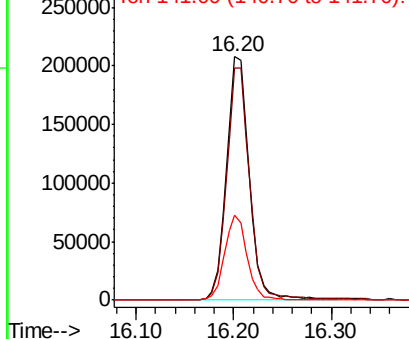


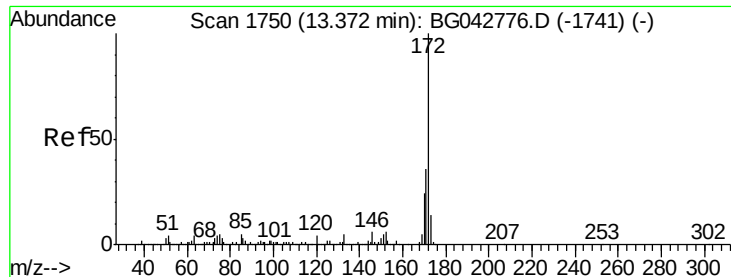
#42
2,4,6-Tribromophenol
Concen: 151.741 ng
RT: 16.20 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.7	115.1
141	34.5	27.0	40.6



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

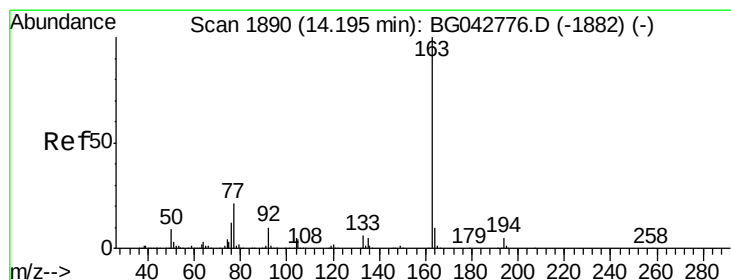
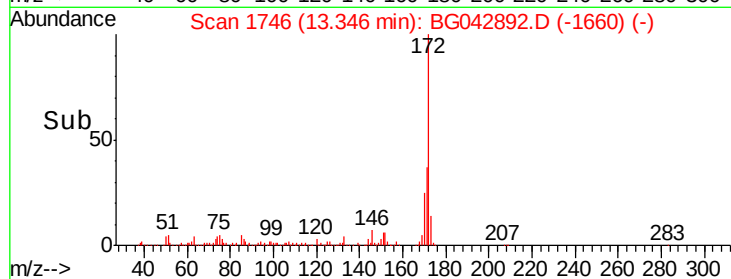
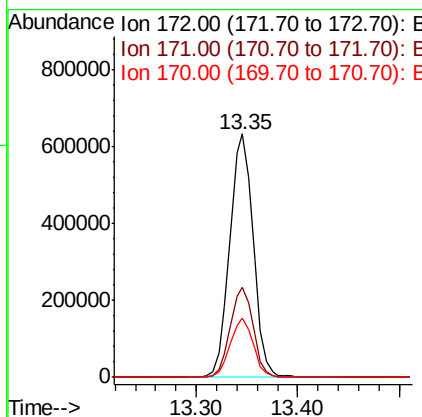
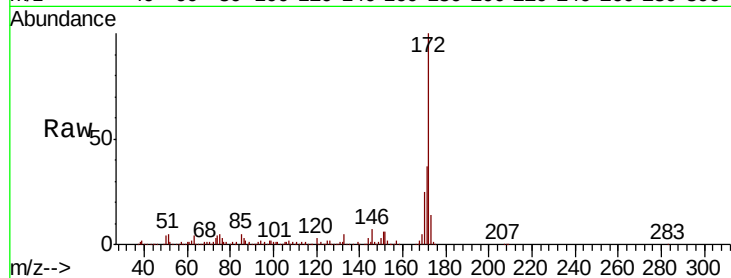




#45
2-Fluorobiphenyl
Concen: 96.780 ng
RT: 13.35 min Scan# 1746
Delta R.T. -0.03 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

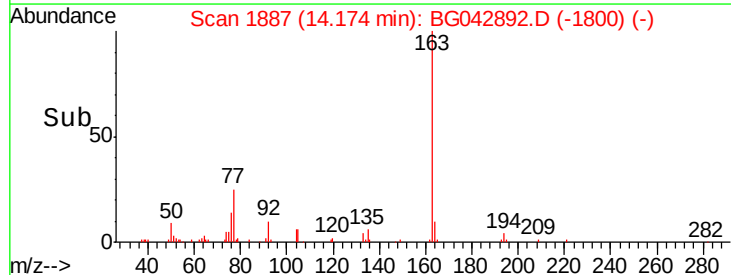
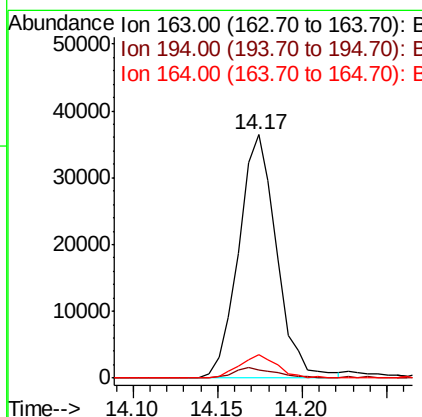
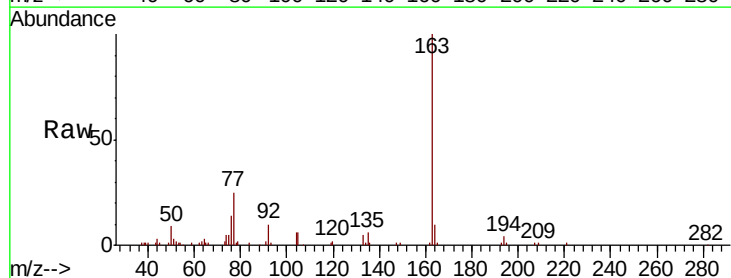
Instrument :
BNA_G
ClientSampleId :

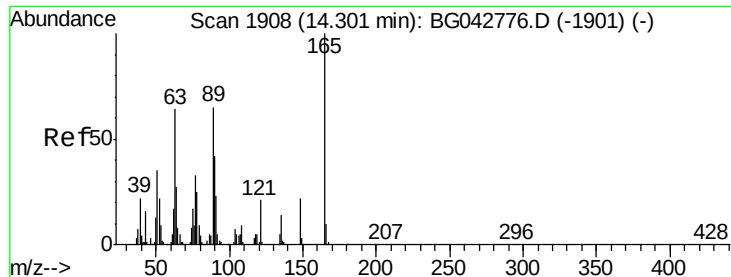
Tot Ion:172 Resp: 1022063
Ion Ratio Lower Upper
172 100
171 36.8 28.9 43.3
170 24.6 19.1 28.7



#50
Dimethylphthalate
Concen: 4.561 ng
RT: 14.17 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion:163 Resp: 57115
Ion Ratio Lower Upper
163 100
194 3.5 4.2 6.4#
164 9.9 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 8.831 ng

RT: 14.71 min Scan# 1979

Delta R.T. 0.41 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

Instrument :

BNA_G

ClientSampleId :

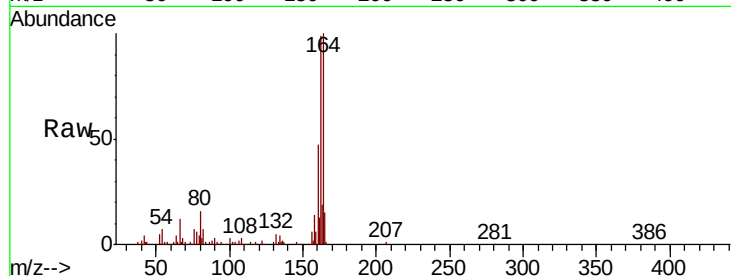
Tot Ion:165 Resp: 22691

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

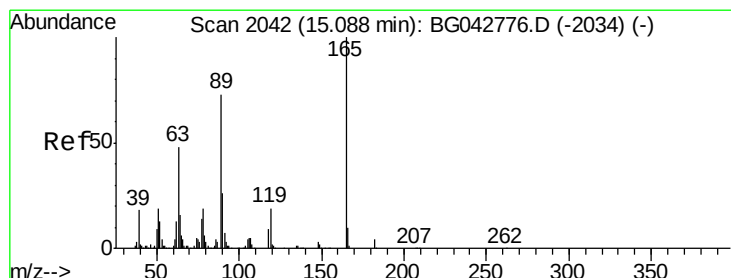
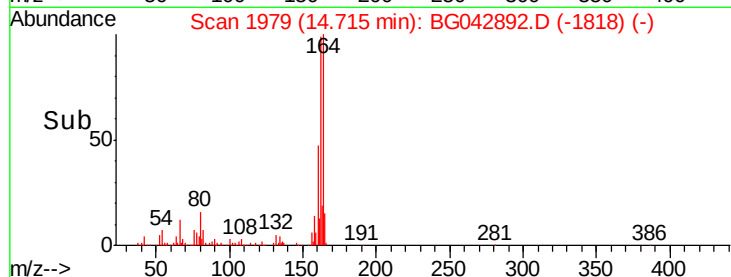
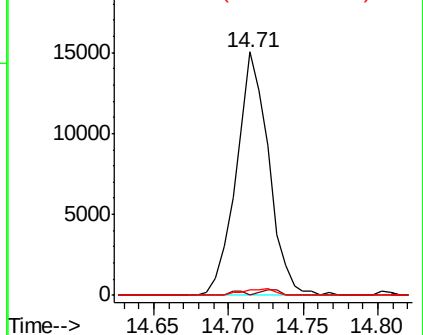
89 2.3 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.626 ng

RT: 14.71 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

Tgt Ion:165 Resp: 22693

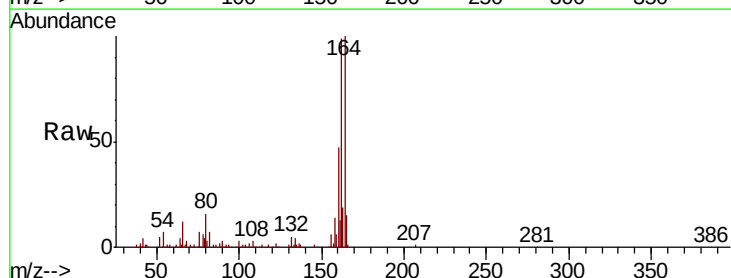
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 2.3 58.4 87.6#

182 0.0 2.9 4.3#

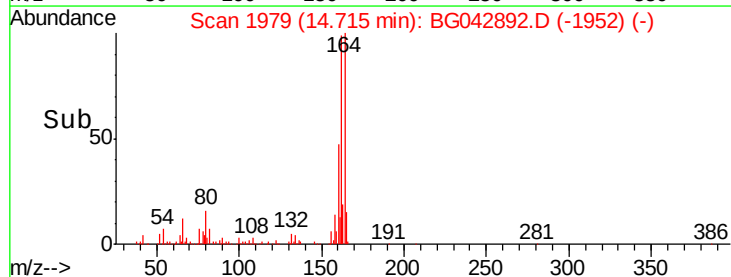
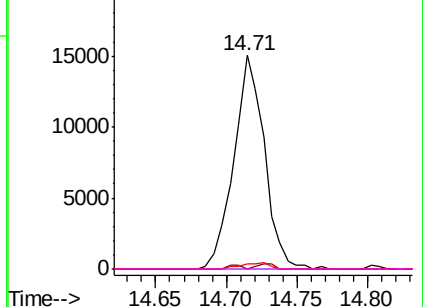


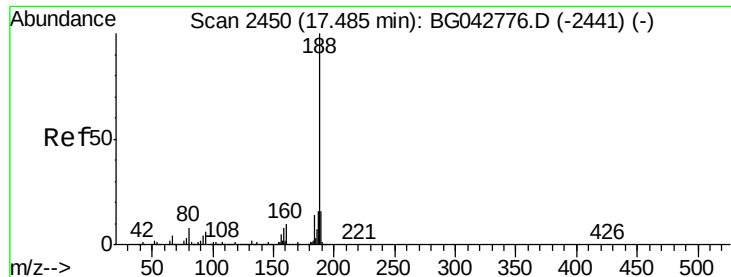
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.46 min Scan# 2446

Delta R.T. -0.03 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

Instrument :

BNA_G

ClientSampleId :

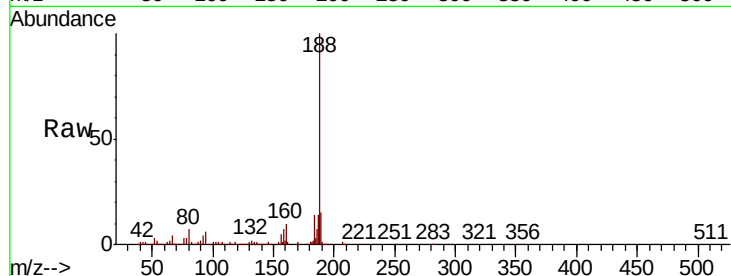
Tot Ion:188 Resp: 390531

Ion Ratio Lower Upper

188 100

94 6.4 4.8 7.2

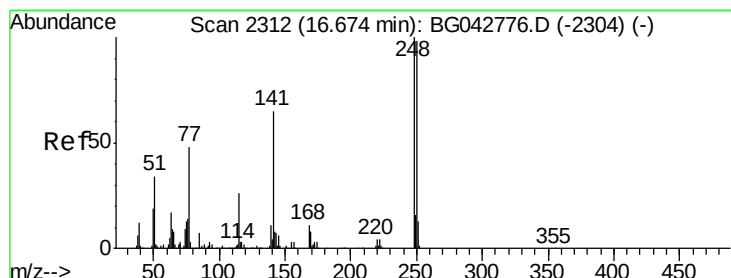
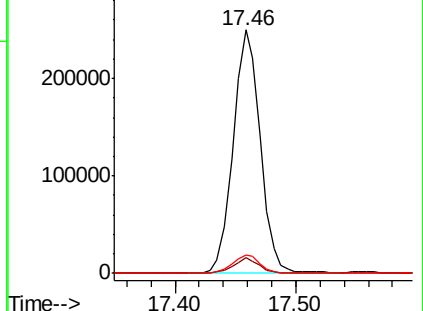
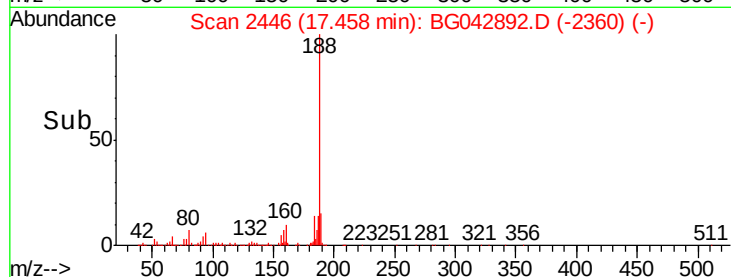
80 7.3 6.6 9.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.688 ng

RT: 16.21 min Scan# 2233

Delta R.T. -0.47 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

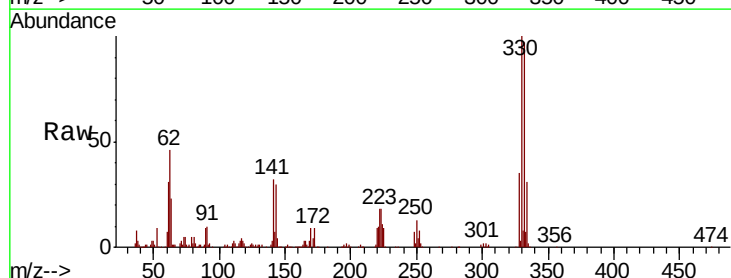
Tgt Ion:248 Resp: 22159

Ion Ratio Lower Upper

248 100

250 194.2 78.0 117.0#

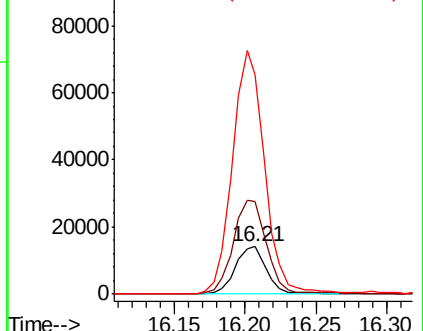
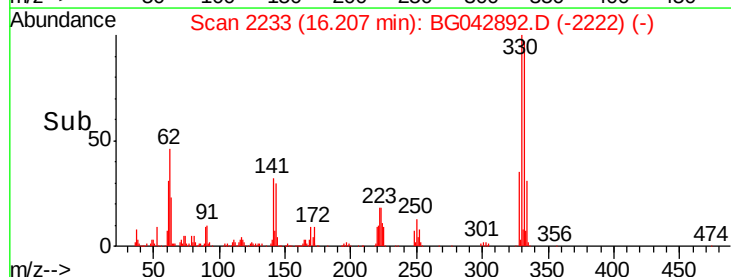
141 462.8 51.8 77.6#

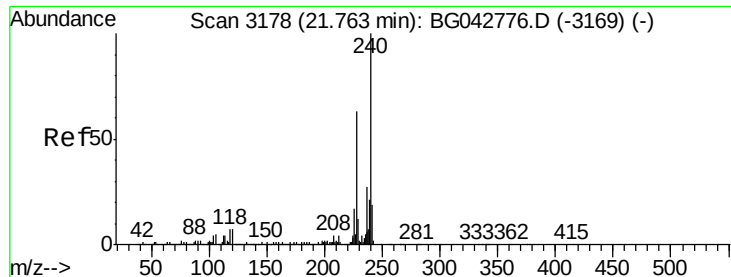


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

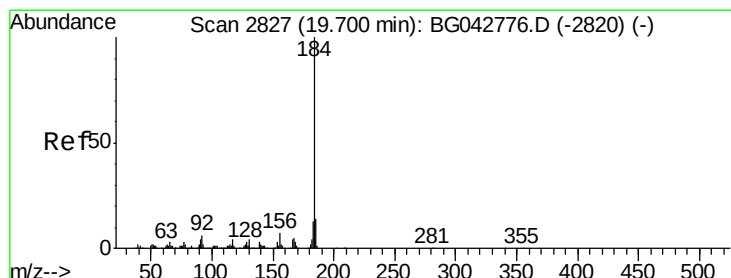
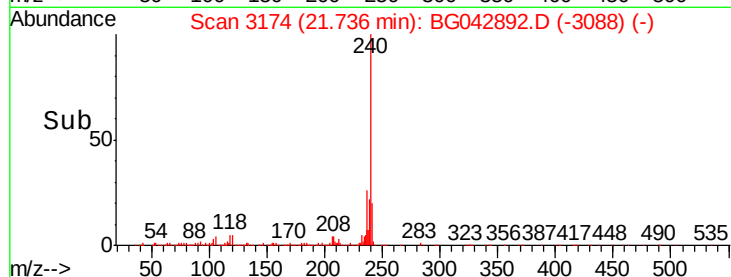
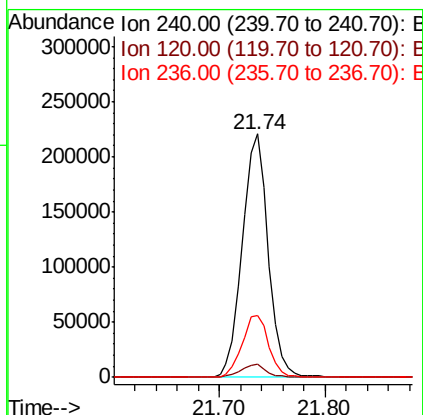
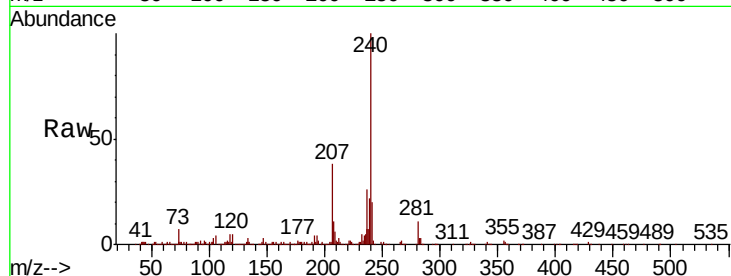




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.03 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

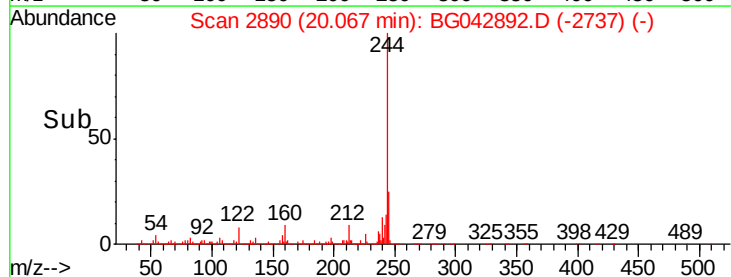
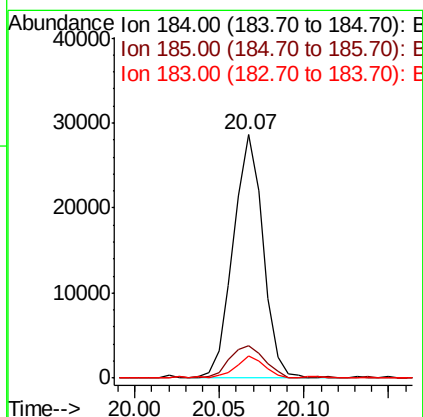
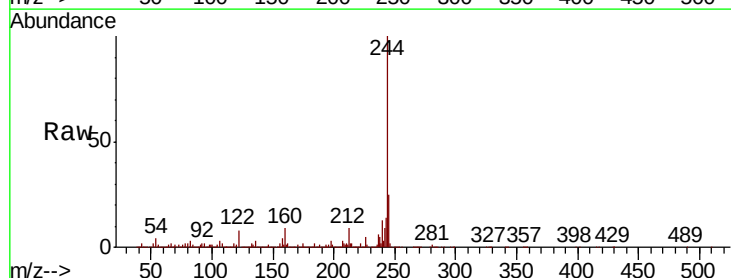
Instrument :
BNA_G
ClientSampleId :

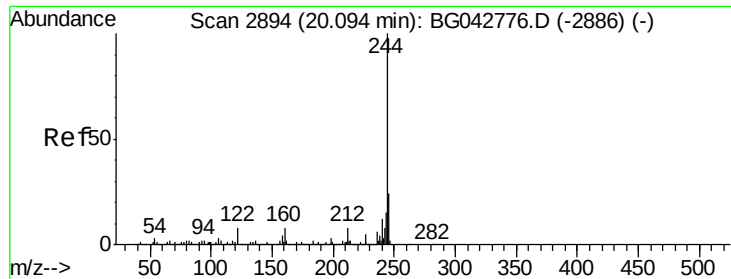
Tot Ion:240 Resp: 374887
Ion Ratio Lower Upper
240 100
120 5.2 5.4 8.2#
236 25.5 21.7 32.5



#77
Benzidine
Concen: 3.357 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.37 min
Lab File: BG042892.D
Acq: 18 Sep 2019 13:44

Tgt Ion:184 Resp: 35161
Ion Ratio Lower Upper
184 100
185 13.4 11.6 17.4
183 8.9 10.4 15.6#





#79

Terphenyl-d14

Concen: 106.695 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.03 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

Instrument :

BNA_G

ClientSampleId :

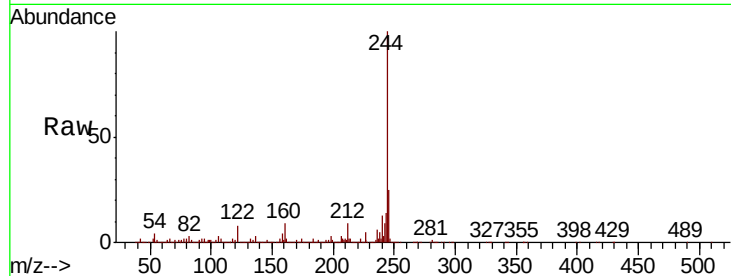
Tot Ion:244 Resp: 1804764

Ion Ratio Lower Upper

244 100

212 9.2 6.6 10.0

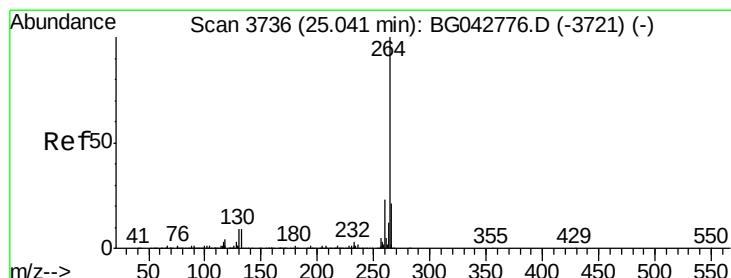
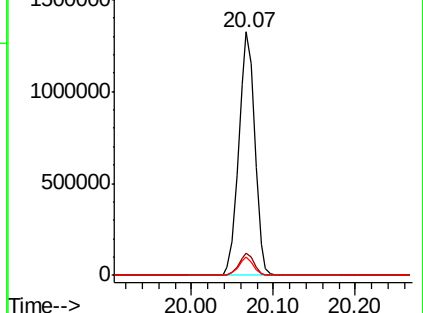
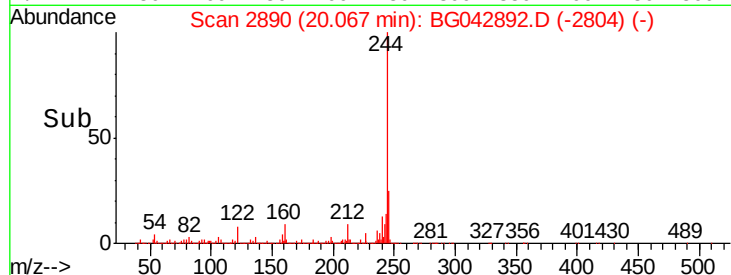
122 7.5 6.2 9.4



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: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG042892.D

Acq: 18 Sep 2019 13:44

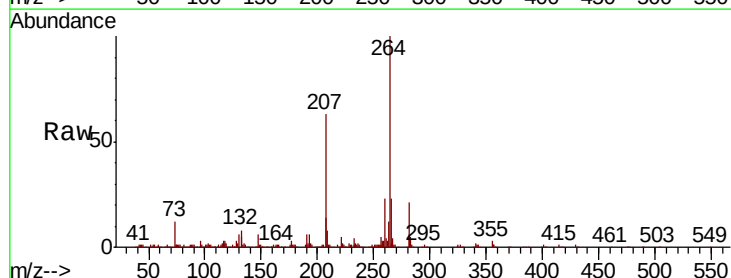
Tgt Ion:264 Resp: 391444

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 23.5 16.9 25.3



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

