

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044291.D
 Acq On : 4 Feb 2020 21:53
 Operator : CG/JU
 Sample : L1368-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:39:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

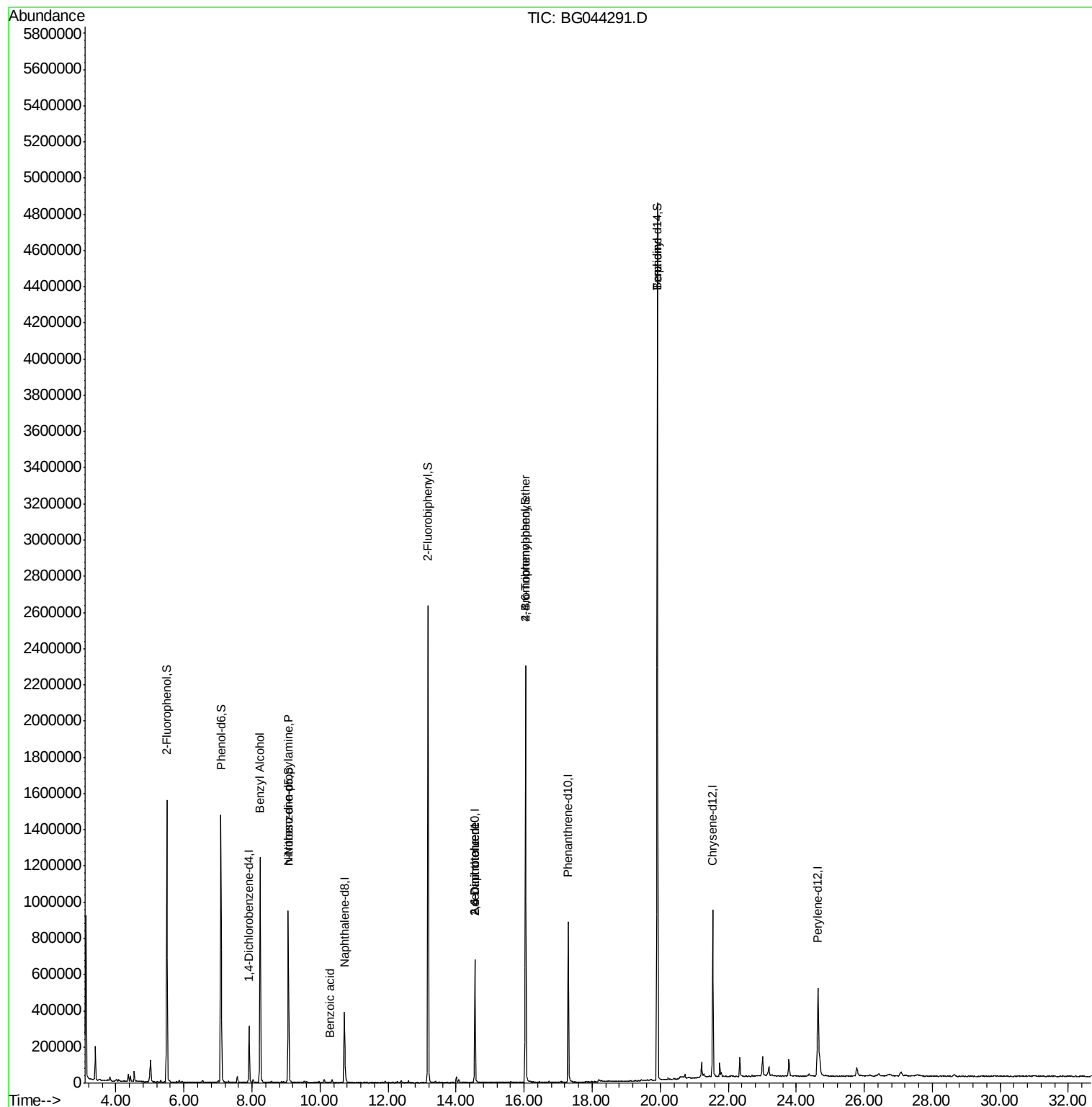
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	92629	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	376043	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	249330	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	573865	20.00	ng	0.00
76) Chrysene-d12	21.54	240	513408	20.00	ng	0.00
87) Perylene-d12	24.64	264	524420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	749298	142.76	ng	0.00
7) Phenol-d6	7.09	99	927613	131.61	ng	0.00
23) Nitrobenzene-d5	9.07	82	616366	92.54	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	438909	149.95	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1363009	91.54	ng	0.00
79) Terphenyl-d14	19.92	244	2220264	88.95	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.24	79	10048	2.014	ng	# 45
19) n-Nitroso-di-n-propylamine	9.07	70	80385	17.113	ng	# 77
32) Benzoic acid	10.29	122	55	14.183	ng	# 1
51) 2,6-Dinitrotoluene	14.55	165	32600	8.158	ng	# 30
57) 2,4-Dinitrotoluene	14.55	165	32600	5.821	ng	# 28
67) 4-Bromophenyl-phenylether	16.04	248	31041	4.965	ng	# 1
77) Benzydine	19.92	184	39655	2.785	ng	# 93

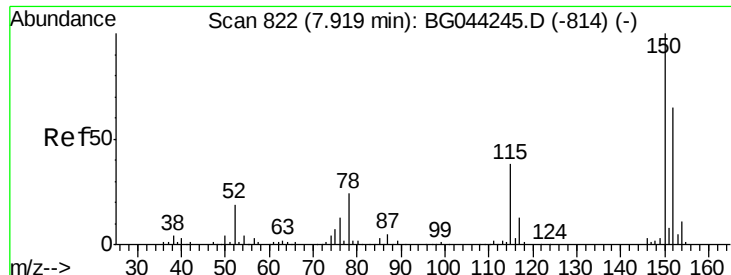
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



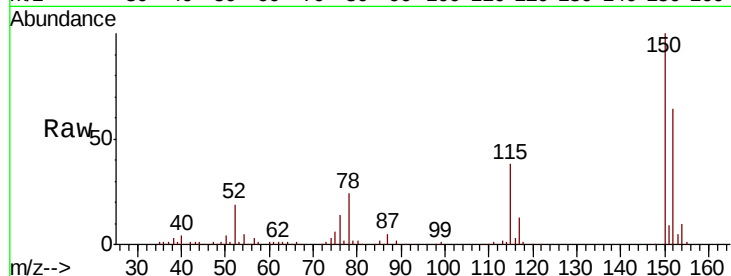


#1

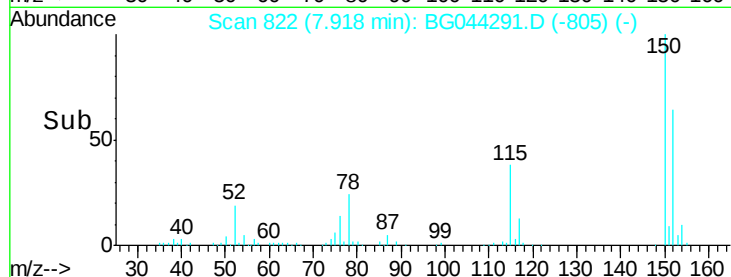
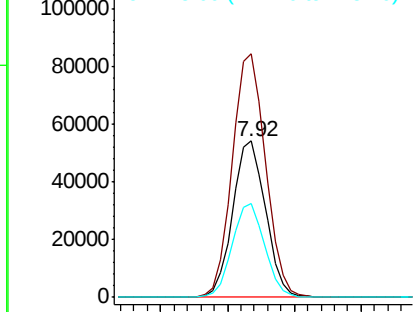
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 92629
Ion Ratio Lower Upper
152 100
150 156.1 122.6 183.8
115 60.0 46.0 69.0



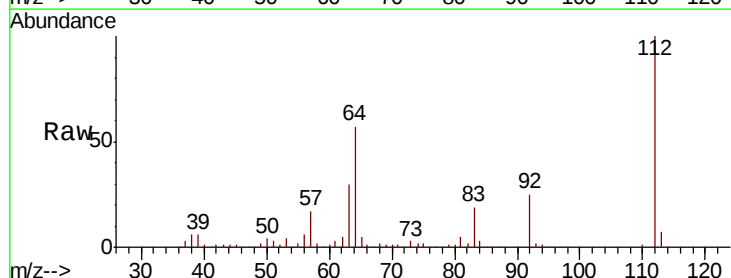
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



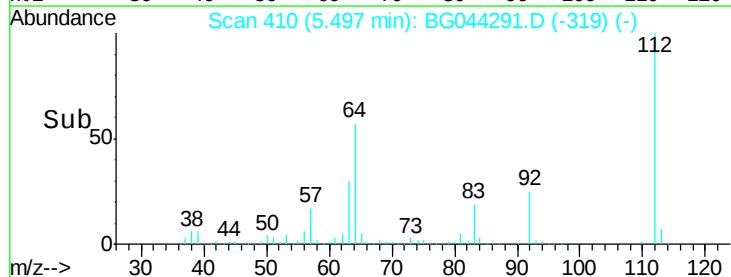
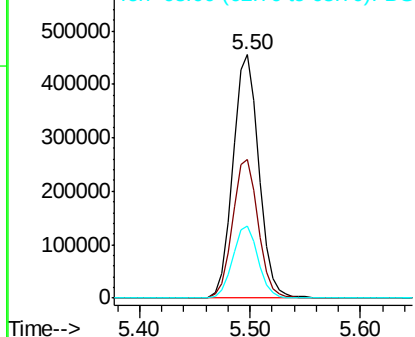
#5

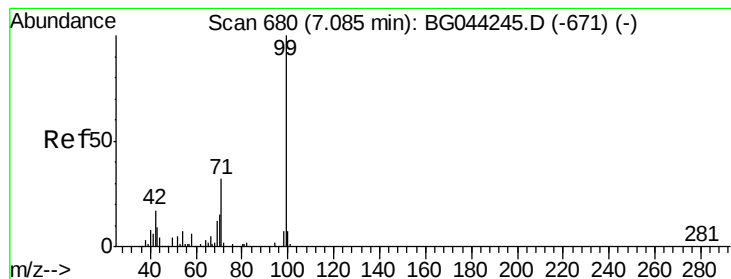
2-Fluorophenol
Concen: 142.762 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.00 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Tgt Ion:112 Resp: 749298
Ion Ratio Lower Upper
112 100
64 57.1 45.4 68.2
63 29.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.613 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG044291.D

Acq: 4 Feb 2020 21:53

Instrument :

BNA_G

ClientSampleId :

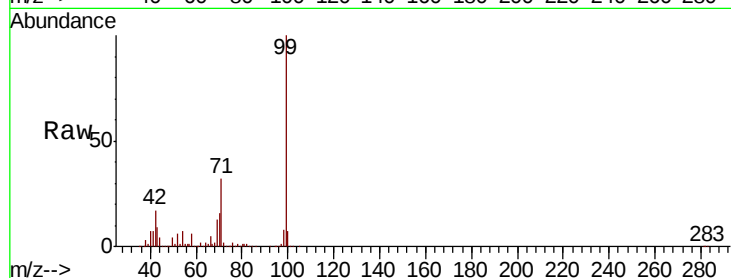
Tot Ion: 99 Resp: 927613

Ion Ratio Lower Upper

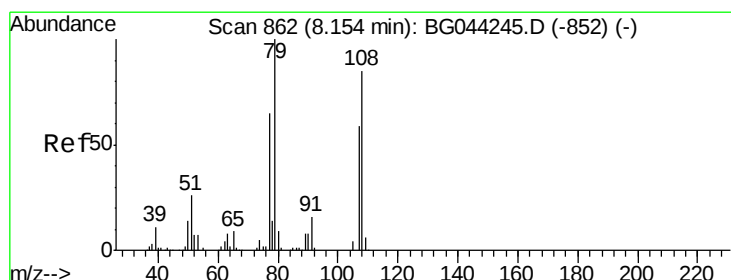
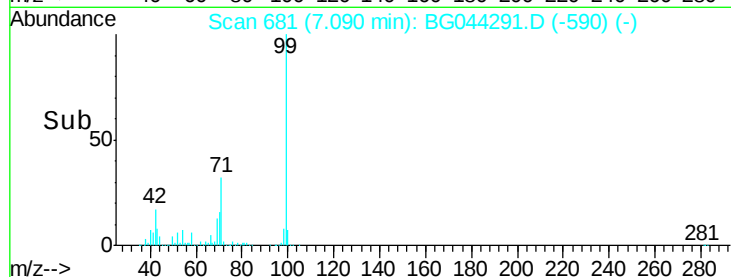
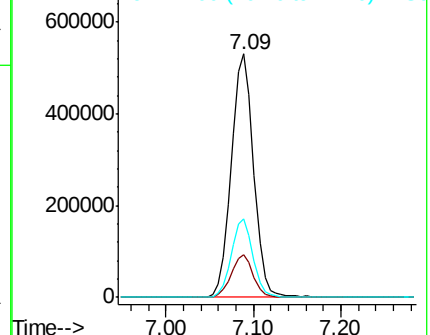
99 100

42 17.3 13.8 20.6

71 32.3 25.5 38.3



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: 2.014 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.09 min

Lab File: BG044291.D

Acq: 4 Feb 2020 21:53

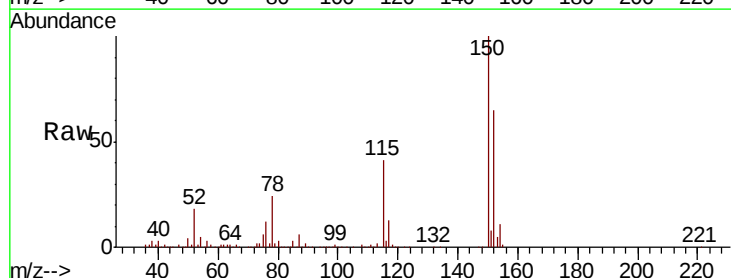
Tgt Ion: 79 Resp: 10048

Ion Ratio Lower Upper

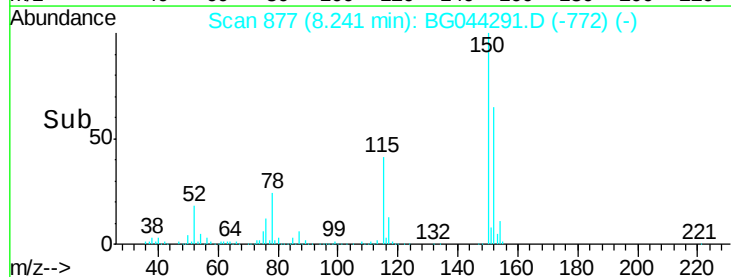
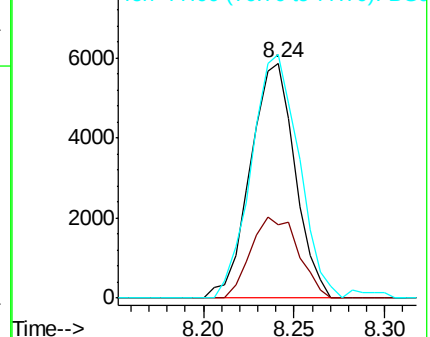
79 100

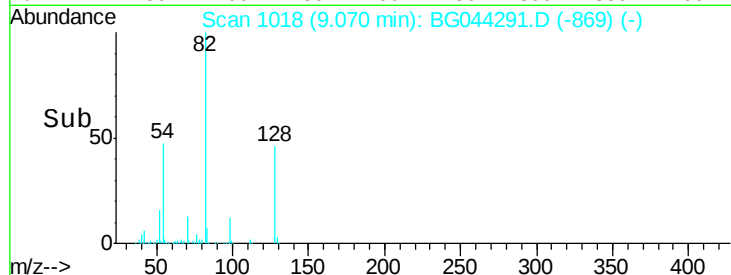
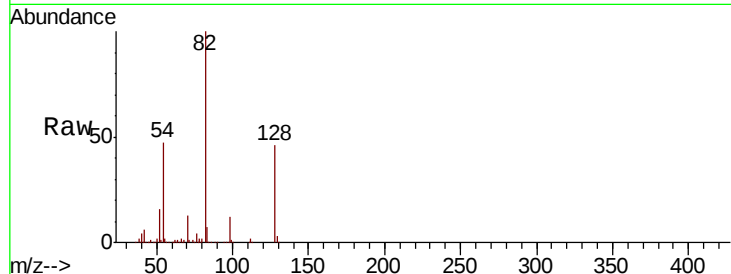
108 31.4 68.3 102.5#

77 103.7 51.8 77.8#



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

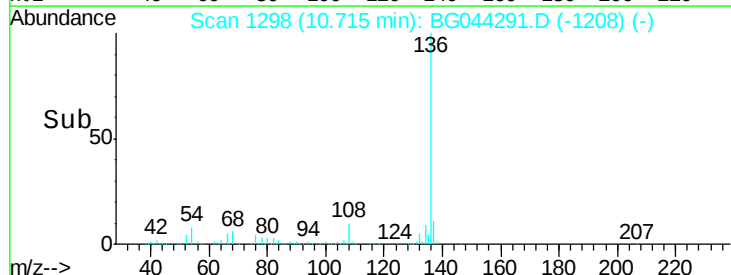
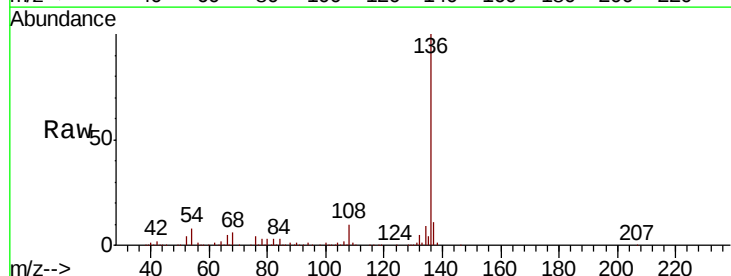
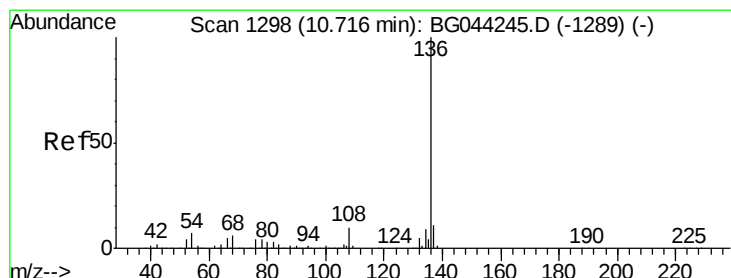
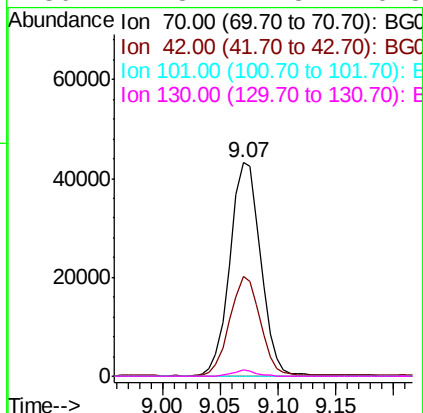




#19
n-Nitroso-di-n-propylamine
Concen: 17.113 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

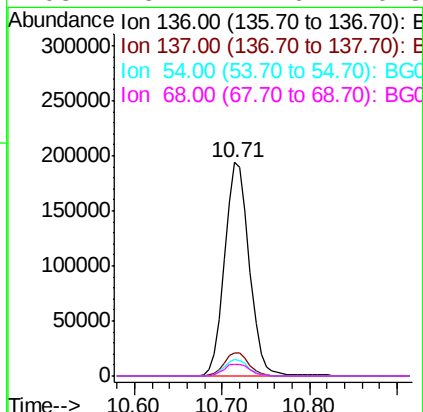
Instrument :
BNA_G
ClientSampleId :

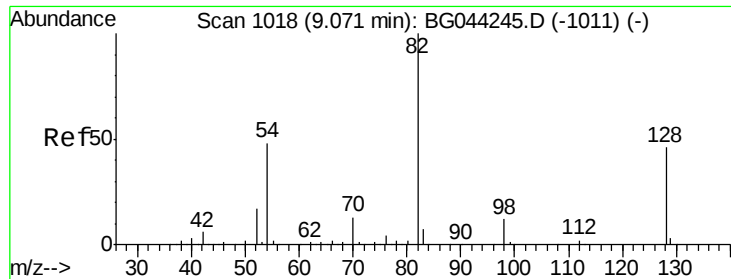
Tot Ion:	70	Resp:	80385
Ion	Ratio	Lower	Upper
70	100		
42	46.9	46.2	69.2
101	0.0	8.4	12.6#
130	2.8	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Tgt Ion:	136	Resp:	376043
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.7	5.8	8.8
68	5.7	4.6	6.8

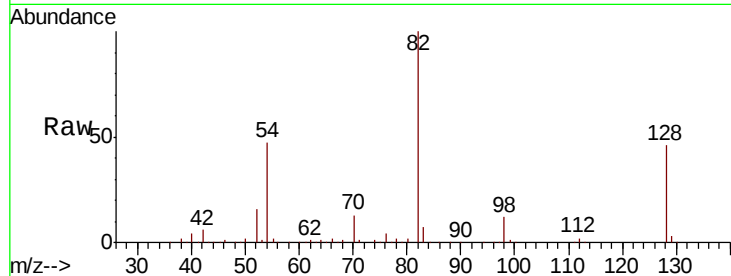




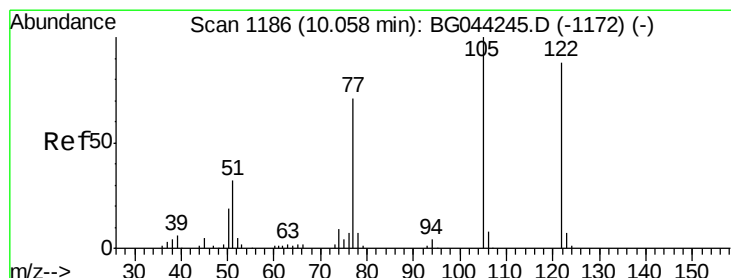
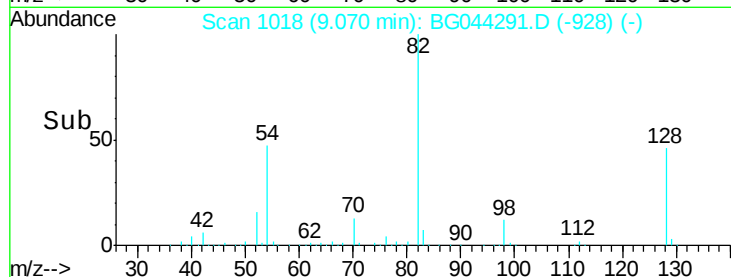
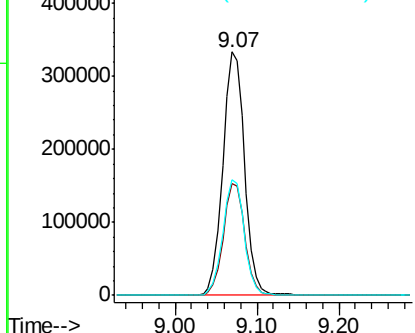
#23
Nitrobenzene-d5
Concen: 92.537 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	616366
Ion Ratio	100	Lower	Upper
128	45.8	36.5	54.7
54	47.5	38.6	58.0

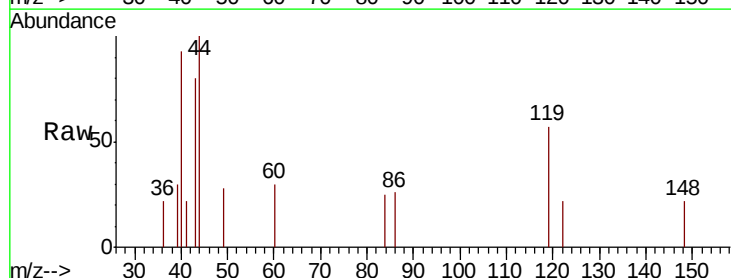


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

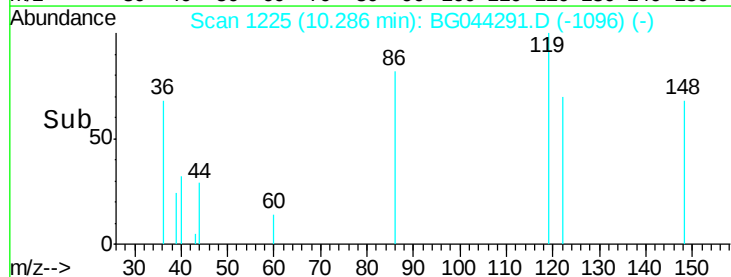
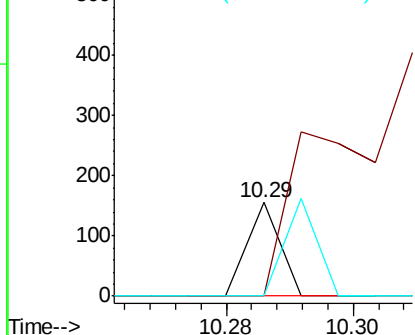


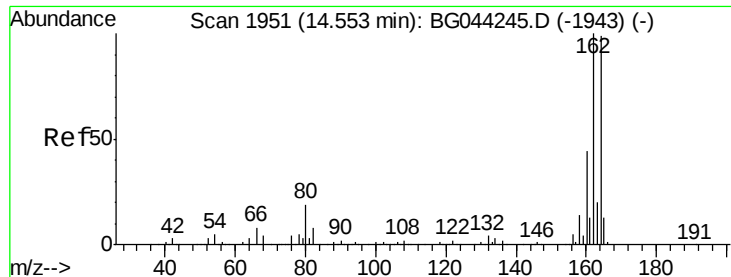
#32
Benzoic acid
Concen: 14.183 ng
RT: 10.29 min Scan# 1225
Delta R.T. 0.23 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Tgt Ion	122	Resp	55
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	93.5	133.5#
77	0.0	61.0	101.0#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

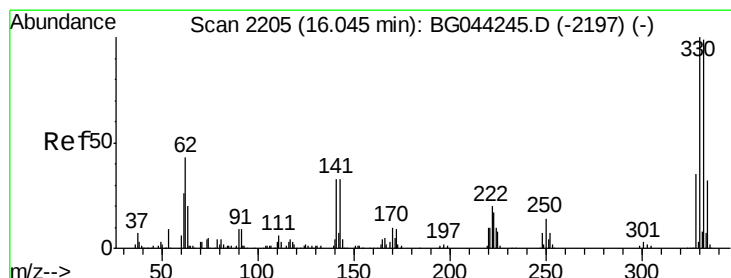
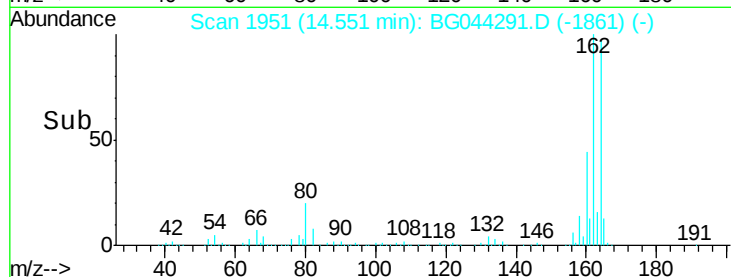
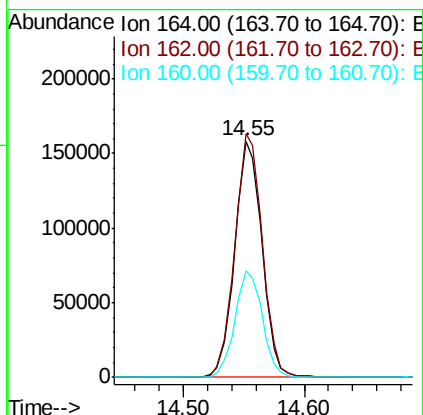
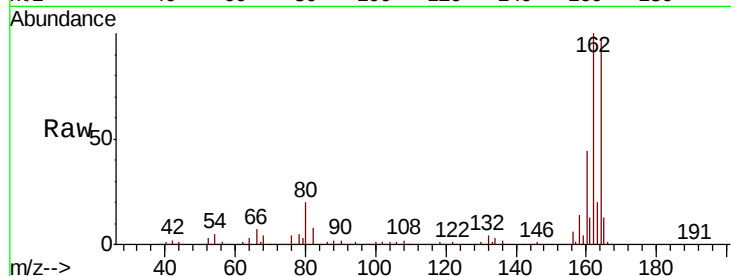




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG044291.D
 Acq: 4 Feb 2020 21:53

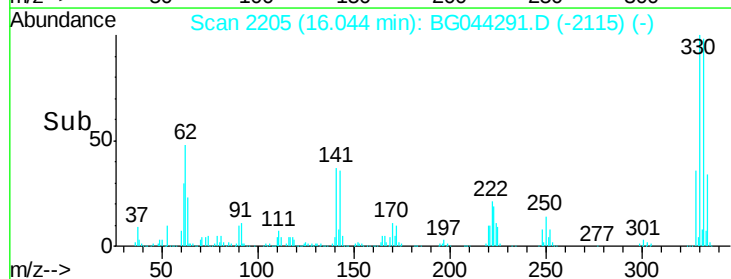
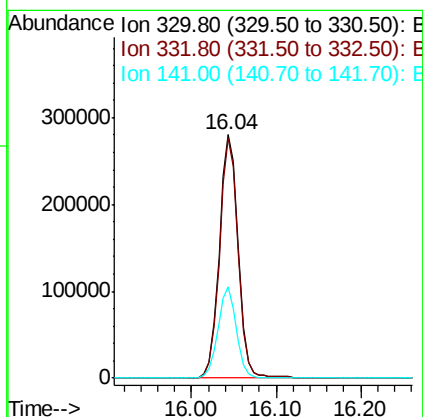
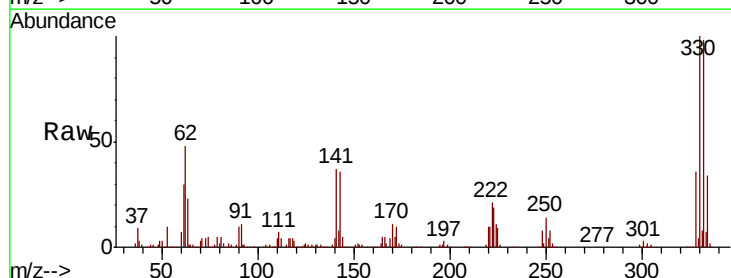
Instrument :
 BNA_G
 ClientSampleId :

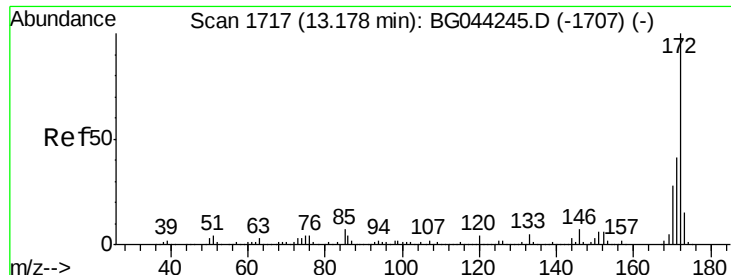
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.7	121.1
160	44.9	35.3	52.9



#42
 2,4,6-Tribromophenol
 Concen: 149.952 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG044291.D
 Acq: 4 Feb 2020 21:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	36.8	28.3	42.5



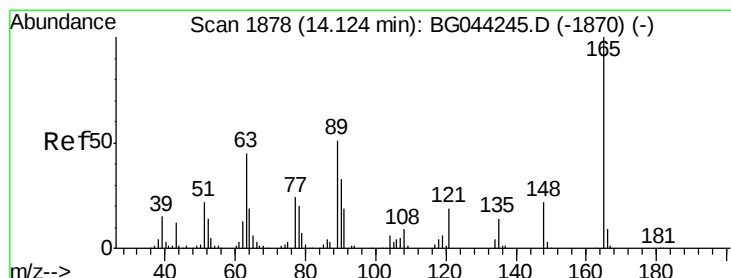
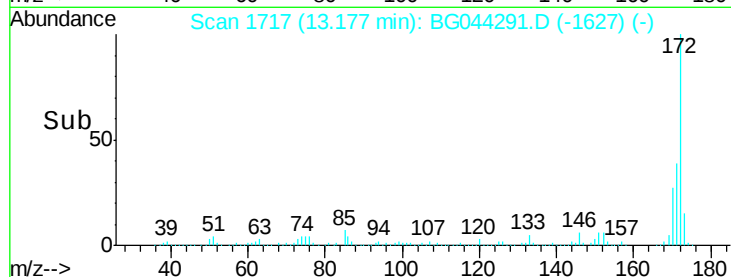
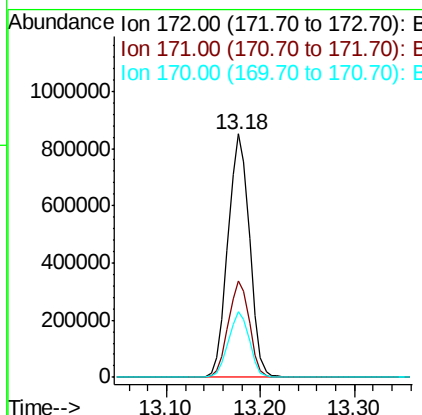
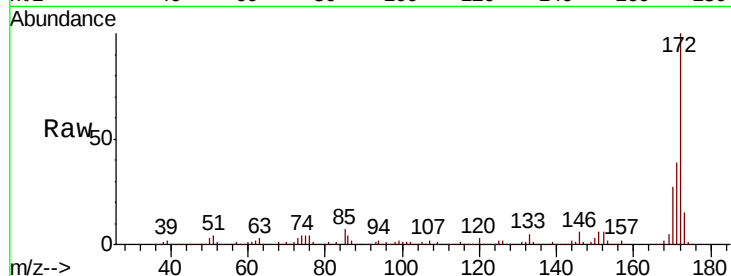


#45
 2-Fluorobiphenyl
 Concen: 91.543 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG044291.D
 Acq: 4 Feb 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1363009

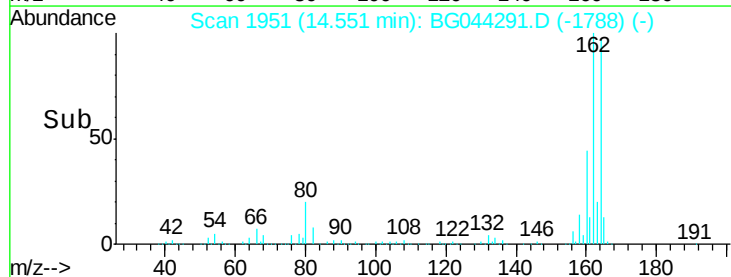
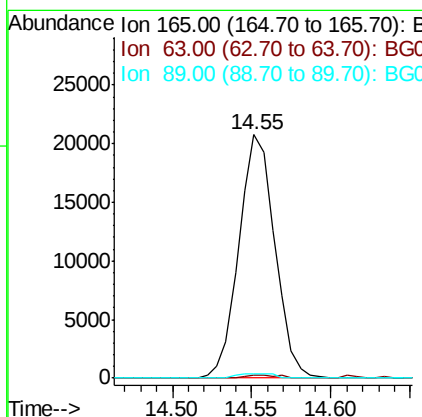
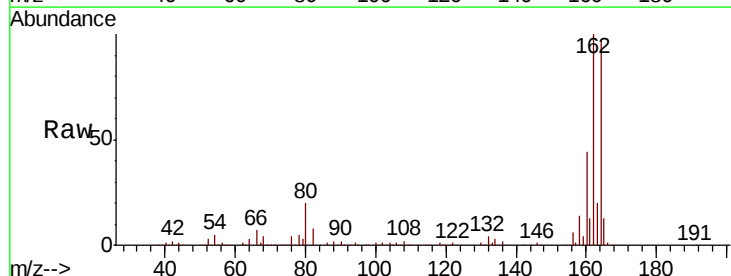
Ion	Ratio	Lower	Upper
172	100		
171	39.4	32.9	49.3
170	27.2	22.0	33.0

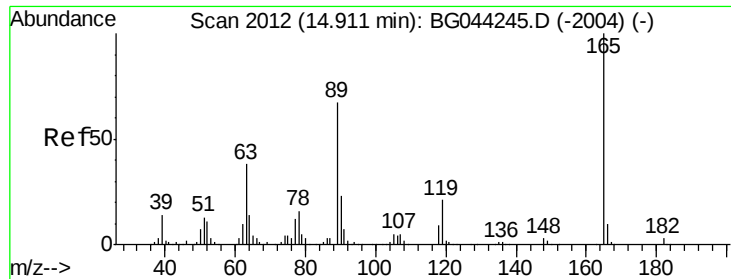


#51
 2,6-Dinitrotoluene
 Concen: 8.158 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044291.D
 Acq: 4 Feb 2020 21:53

Tgt Ion:165 Resp: 32600

Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.7	58.1#
89	1.5	40.4	60.6#





#57

2,4-Dinitrotoluene

Concen: 5.821 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.36 min

Lab File: BG044291.D

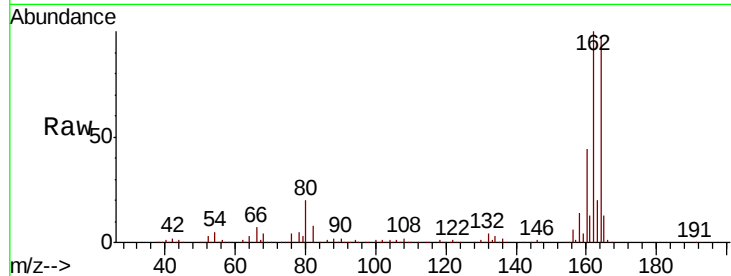
Acq: 4 Feb 2020 21:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	32600
Ion Ratio	Lower	Upper
165	100	
63	1.4	30.3 45.5#
89	1.5	53.4 80.2#
182	0.0	2.1 3.1#

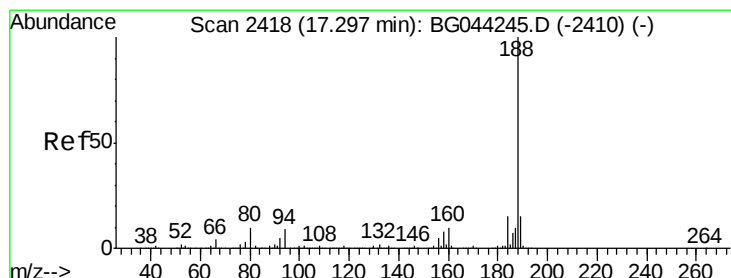
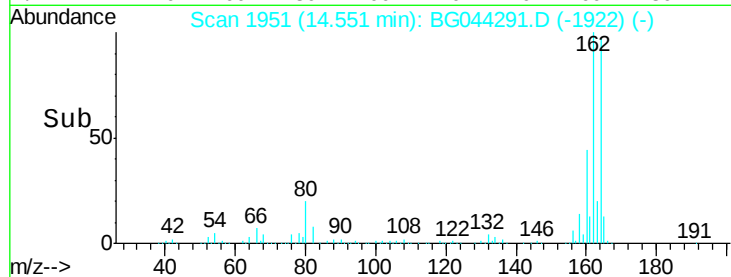
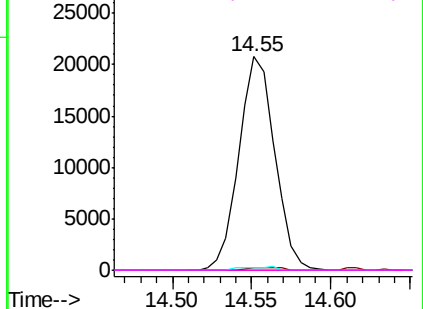


Abundance Ion 165.00 (164.70 to 165.70): E

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

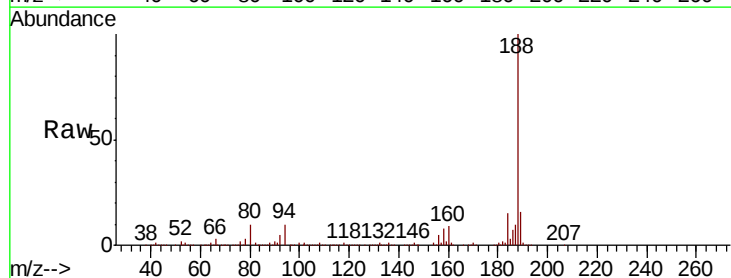
RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044291.D

Acq: 4 Feb 2020 21:53

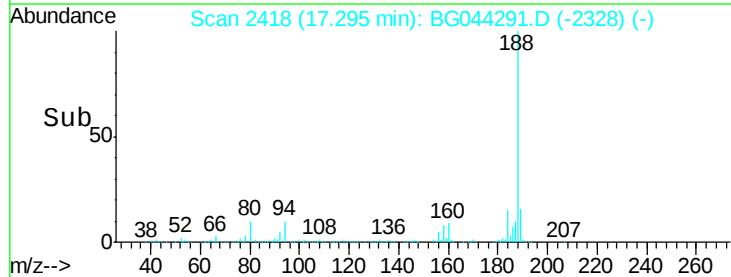
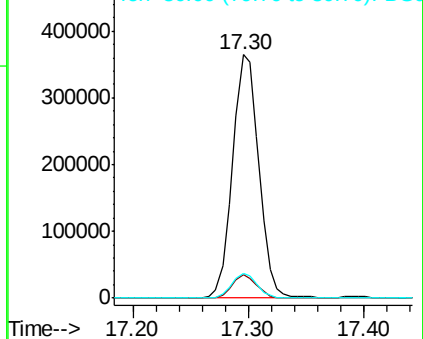
Tgt Ion:188	Resp:	573865
Ion Ratio	Lower	Upper
188	100	
94	9.7	7.4 11.2
80	9.9	7.7 11.5

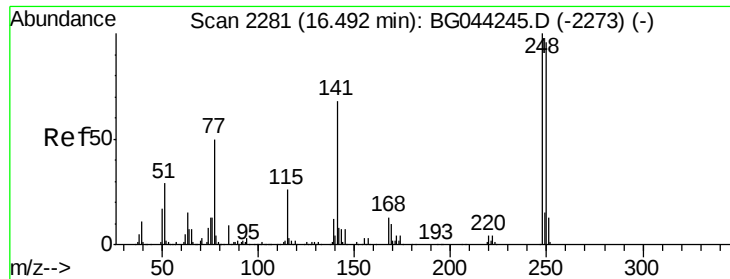


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

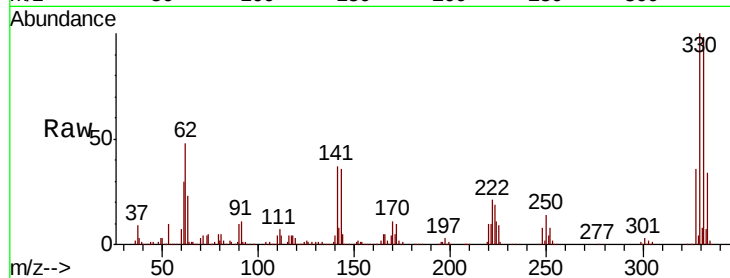




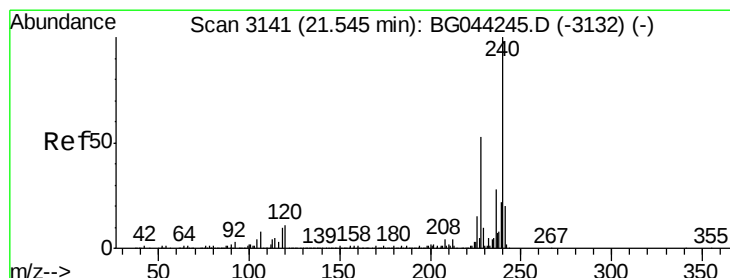
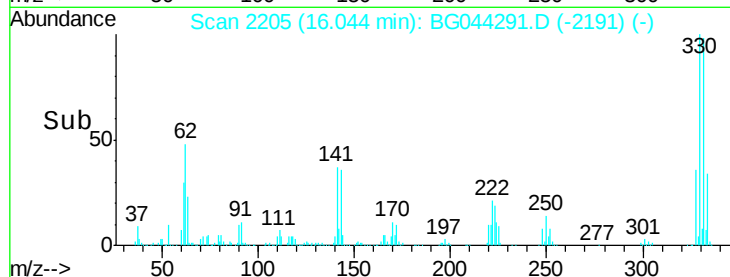
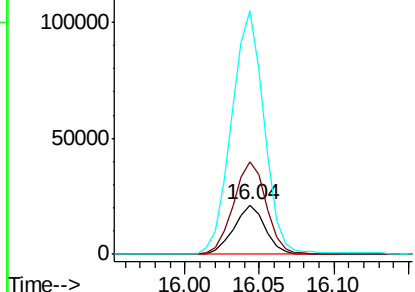
#67
4-Bromophenyl-phenylether
Concen: 4.965 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 31041
Ion Ratio Lower Upper
248 100
250 187.8 76.6 114.8#
141 492.1 54.7 82.1#

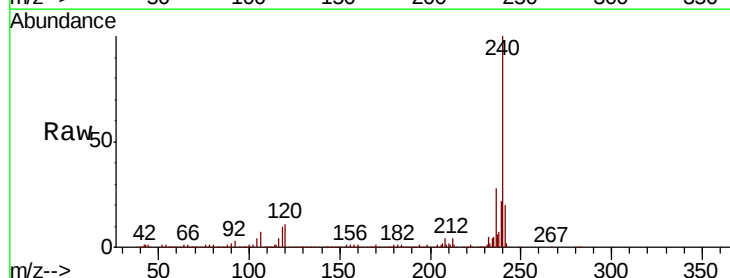


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

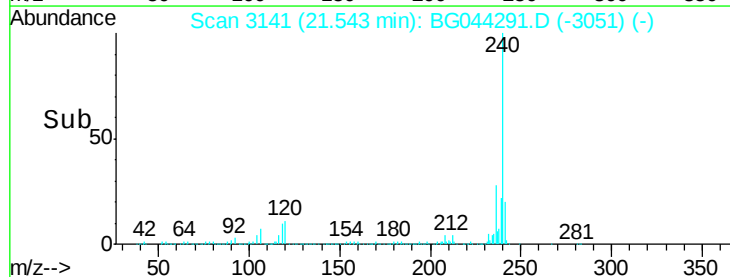
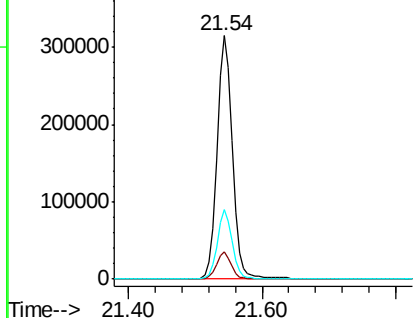


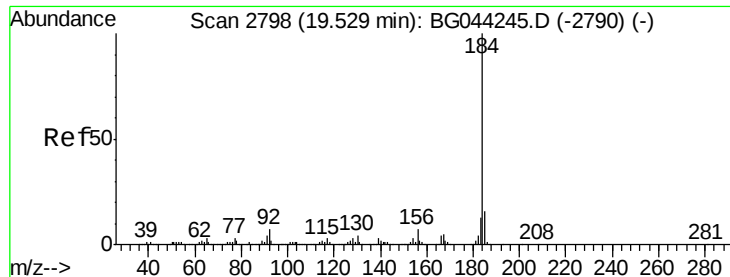
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG044291.D
Acq: 4 Feb 2020 21:53

Tgt Ion:240 Resp: 513408
Ion Ratio Lower Upper
240 100
120 11.2 8.4 12.6
236 28.3 22.1 33.1



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: 2.785 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044291.D

Acq: 4 Feb 2020 21:53

Instrument :

BNA_G

ClientSampleId :

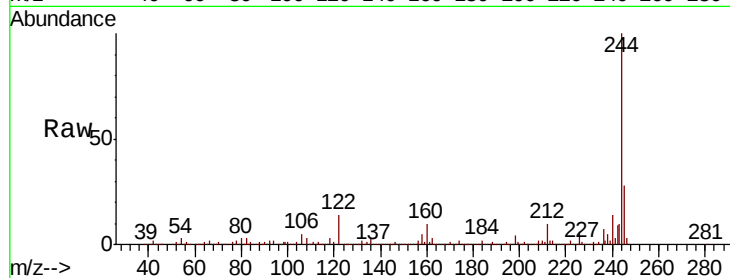
Tot Ion:184 Resp: 39655

Ion Ratio Lower Upper

184 100

185 16.3 12.9 19.3

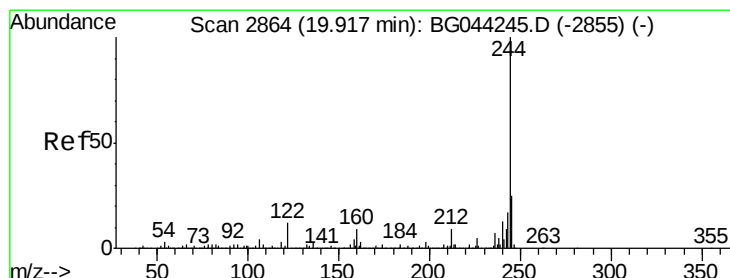
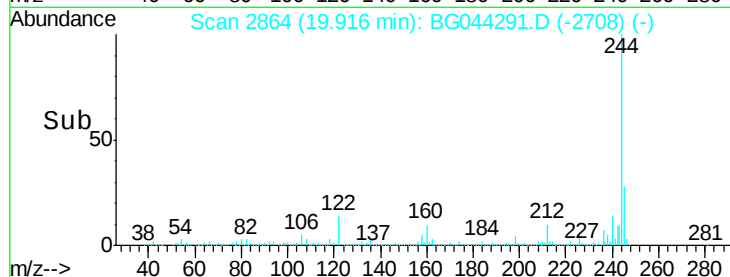
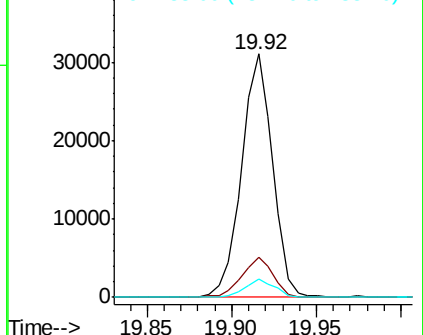
183 7.5 10.8 16.2#



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: 88.951 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044291.D

Acq: 4 Feb 2020 21:53

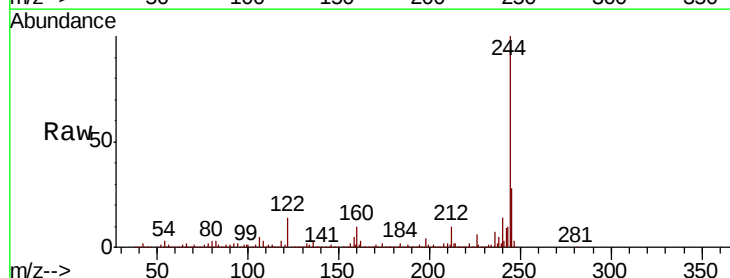
Tgt Ion:244 Resp: 2220264

Ion Ratio Lower Upper

244 100

212 10.1 7.4 11.2

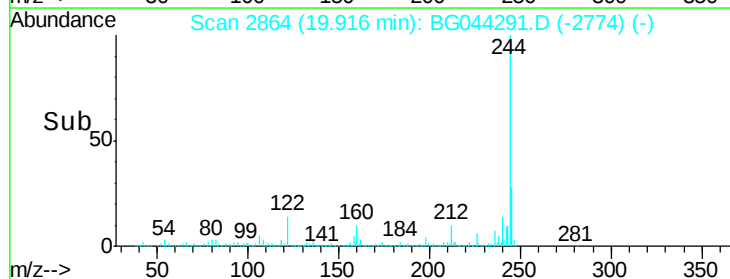
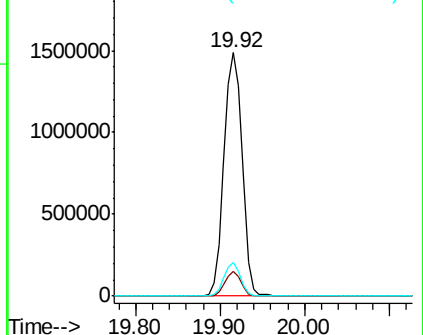
122 13.6 9.8 14.6

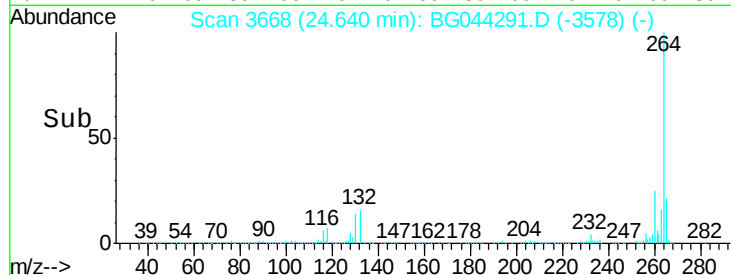
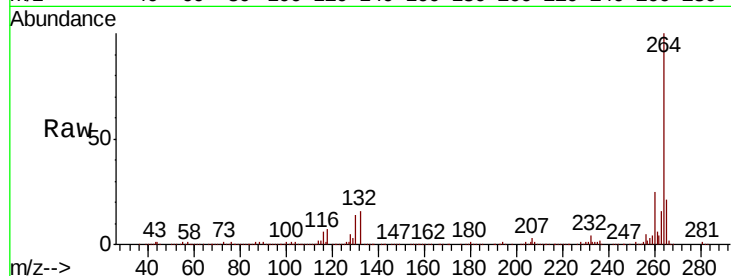
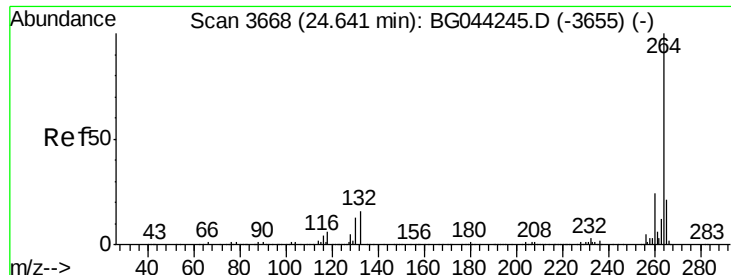


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.64 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: BG044291.D
 Acq: 4 Feb 2020 21:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	524420
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.5	16.7	25.1

