

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045691.D
 Acq On : 10 Jun 2020 14:33
 Operator : CG/JU
 Sample : L2815-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 10 15:19:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	52796	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	214373	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	159184	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	391156	20.00	ng	0.00
76) Chrysene-d12	21.60	240	388063	20.00	ng	0.00
87) Perylene-d12	24.74	264	411032	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	318520	117.90	ng	0.00
7) Phenol-d6	7.14	99	400751	104.22	ng	-0.01
23) Nitrobenzene-d5	9.10	82	390997	99.46	ng	-0.01
42) 2,4,6-Tribromophenol	16.08	330	314909	154.69	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	932755	99.39	ng	0.00
79) Terphenyl-d14	19.95	244	1743832	104.81	ng	0.00

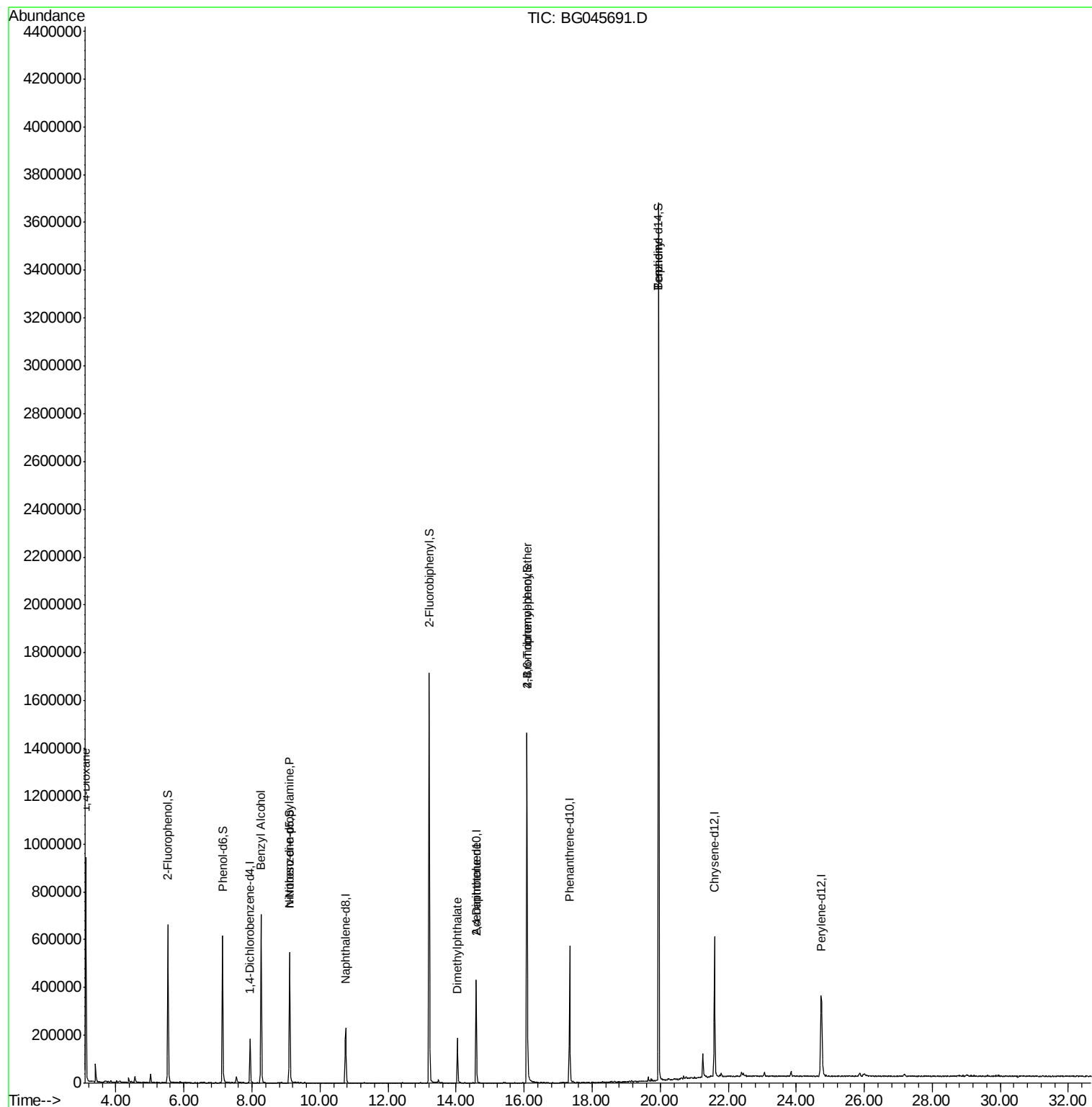
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	7434	5.549	ng	# 1
15) Benzyl Alcohol	8.27	79	6833	2.151	ng	# 37
19) n-Nitroso-di-n-propylamine	9.10	70	54949	20.666	ng	# 82
50) Dimethylphthalate	14.04	163	133705	12.244	ng	# 99
57) 2,4-Dinitrotoluene	14.59	165	20193	5.658	ng	# 21
67) 4-Bromophenyl-phenylether	16.08	248	20904	4.935	ng	# 1
77) Benzidine	19.95	184	34135	3.132	ng	# 93

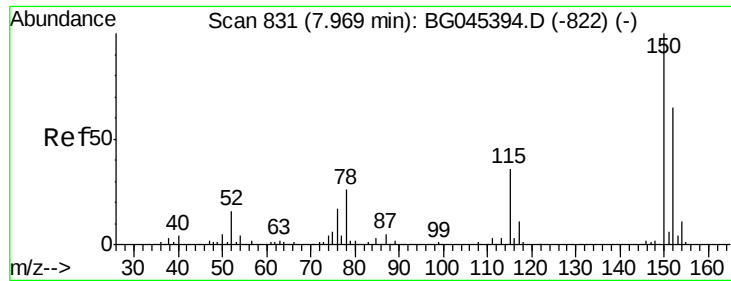
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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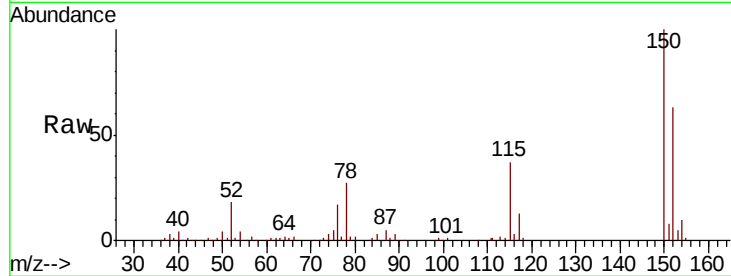


#1

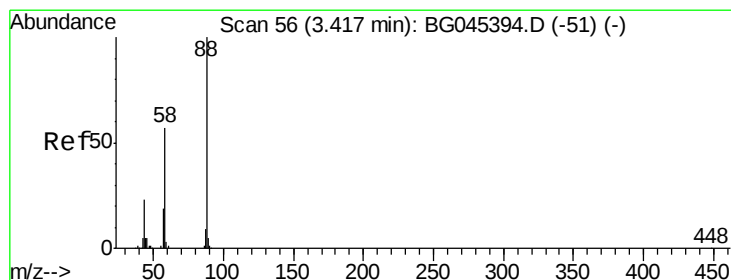
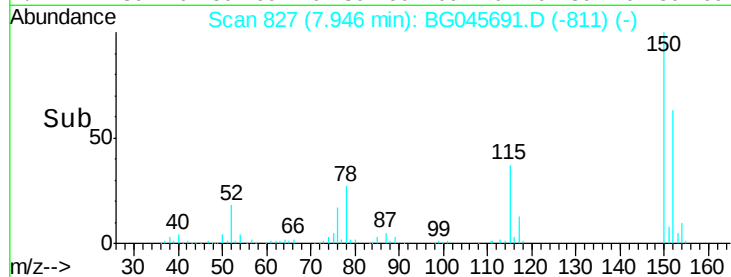
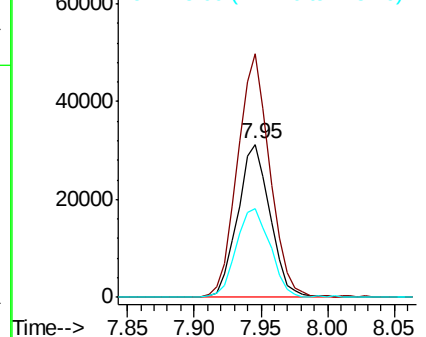
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52796
Ion Ratio Lower Upper
152 100
150 159.1 122.4 183.6
115 58.3 44.2 66.4



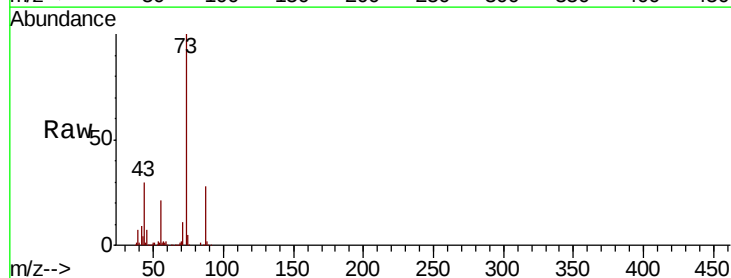
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



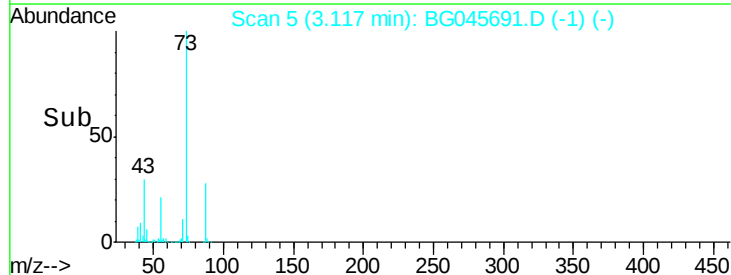
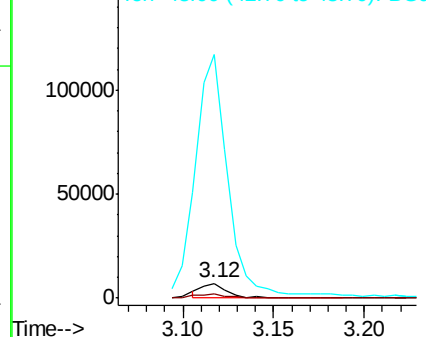
#2

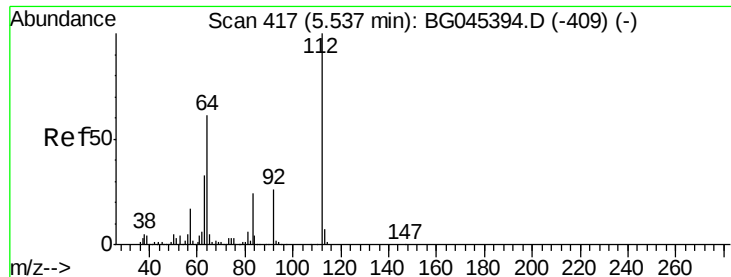
1,4-Dioxane
Concen: 5.549 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.28 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Tgt Ion: 88 Resp: 7434
Ion Ratio Lower Upper
88 100
58 24.5 45.7 68.5#
43 1637.3 16.8 25.2#



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: 117.903 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.01 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

Instrument :

BNA_G

ClientSampled :

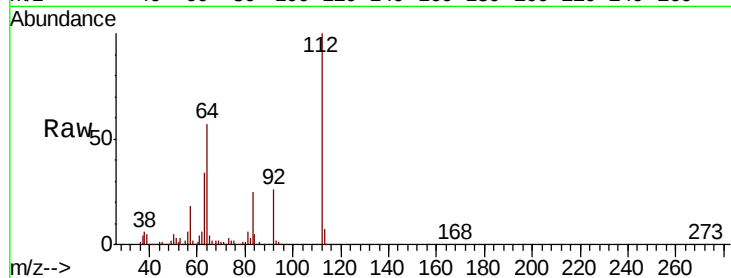
Tot Ion:112 Resp: 318520

Ion Ratio Lower Upper

112 100

64 57.1 48.6 72.8

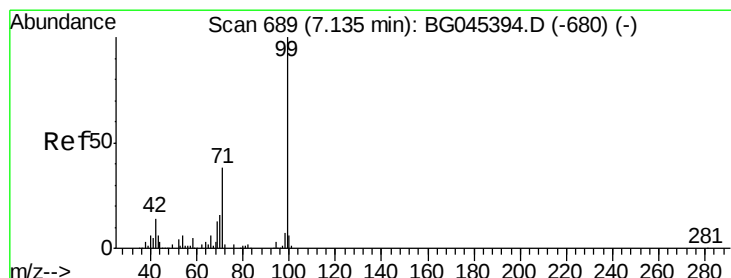
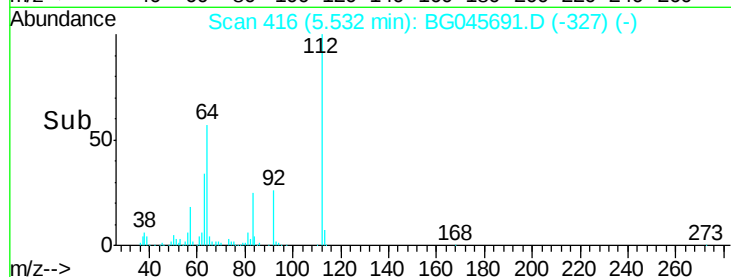
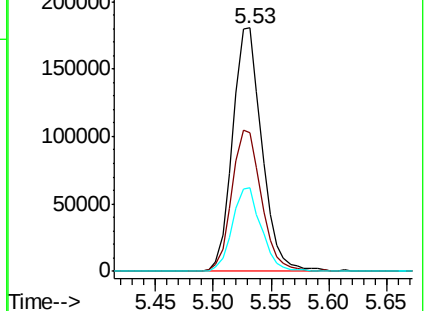
63 34.4 26.5 39.7



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: 104.224 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

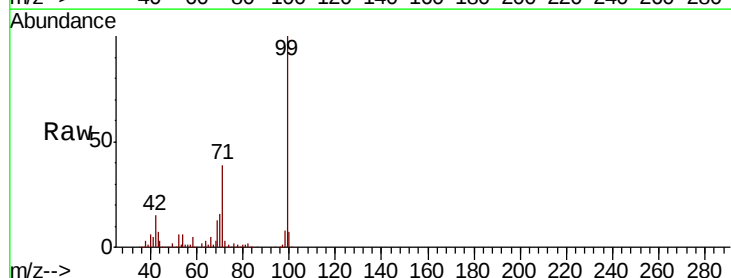
Tgt Ion: 99 Resp: 400751

Ion Ratio Lower Upper

99 100

42 14.8 11.3 16.9

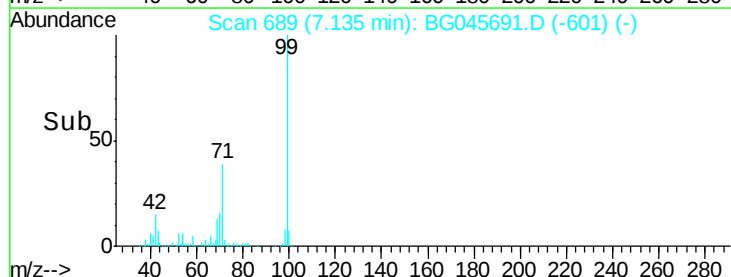
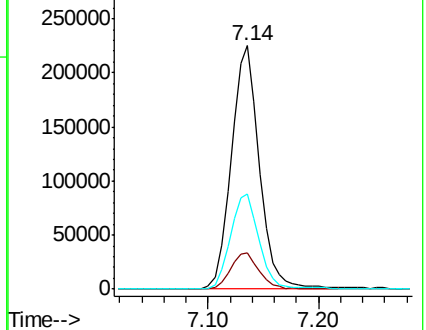
71 39.3 30.8 46.2

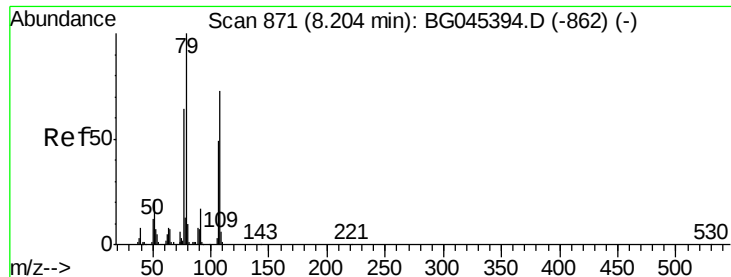


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.151 ng

RT: 8.27 min Scan# 882

Delta R.T. 0.07 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

Instrument :

BNA_G

ClientSampleId :

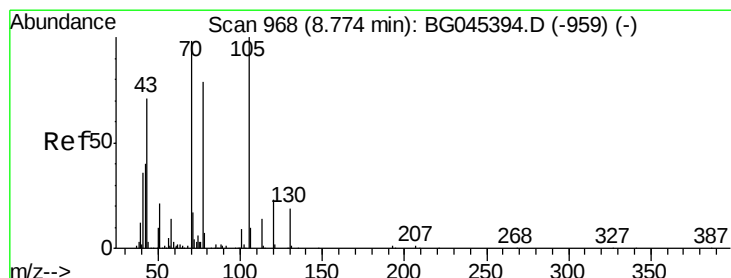
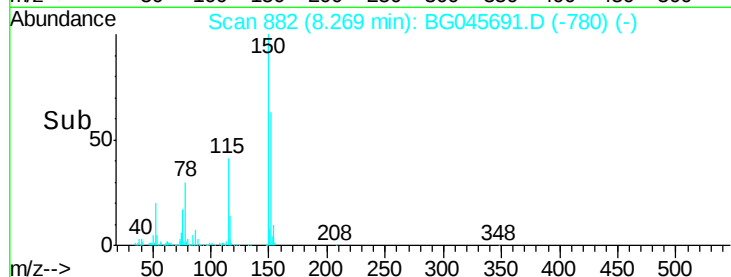
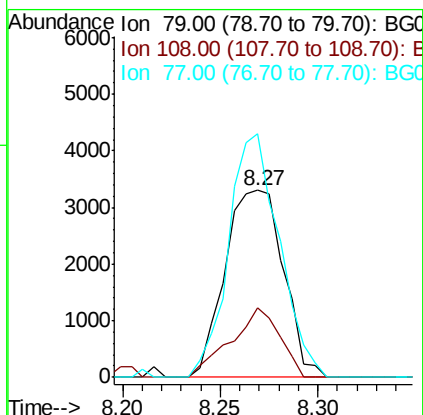
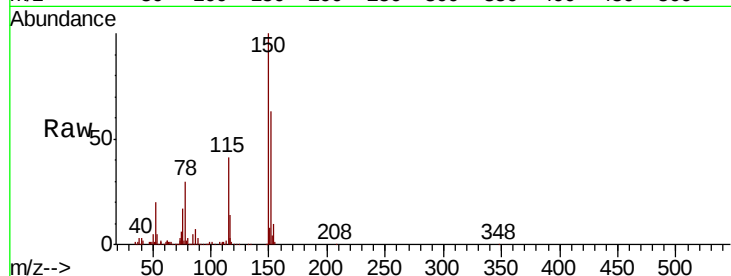
Tot Ion: 79 Resp: 6833

Ion Ratio Lower Upper

79 100

108 37.1 58.2 87.4#

77 130.2 51.0 76.4#



#19

n-Nitroso-di-n-propylamine

Concen: 20.666 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

Tgt Ion: 70 Resp: 54949

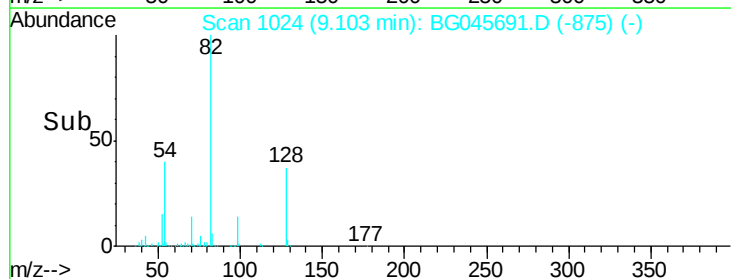
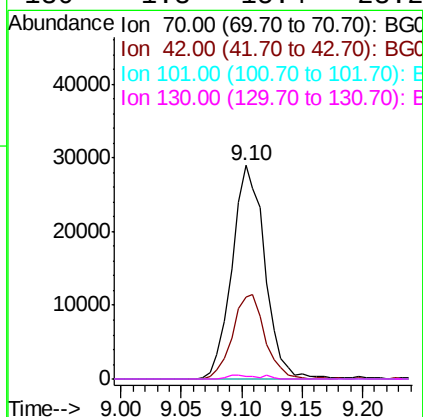
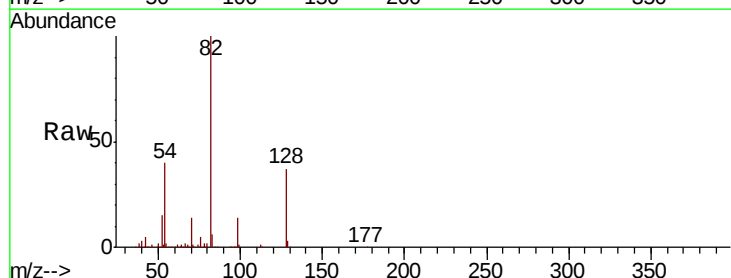
Ion Ratio Lower Upper

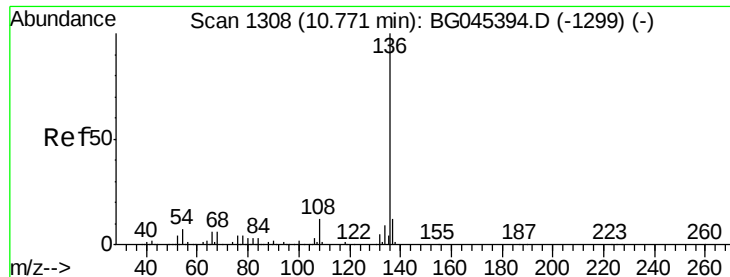
70 100

42 38.2 33.2 49.8

101 0.0 7.8 11.6#

130 1.3 15.4 23.2#

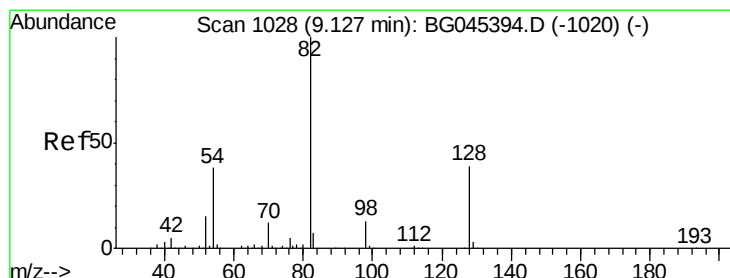
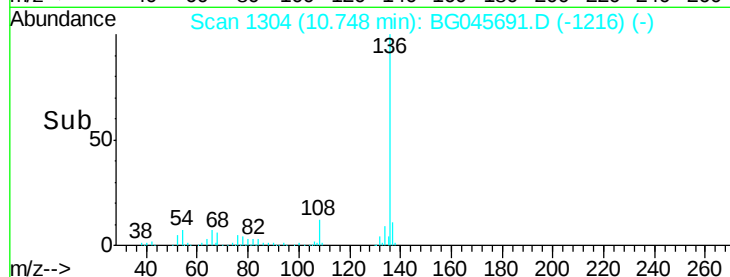
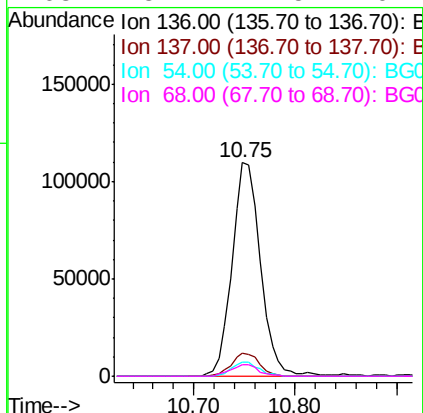
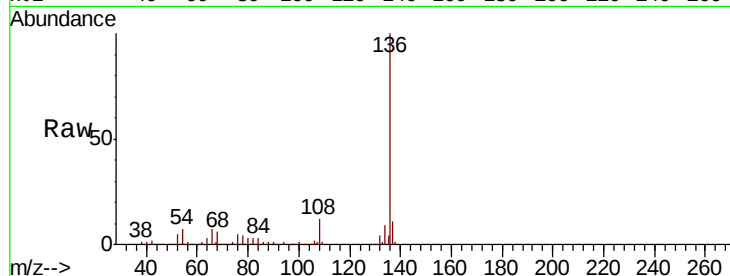




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

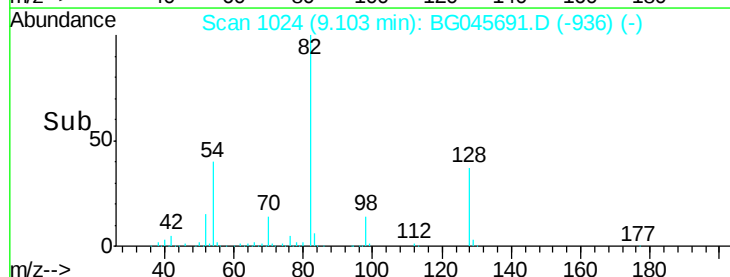
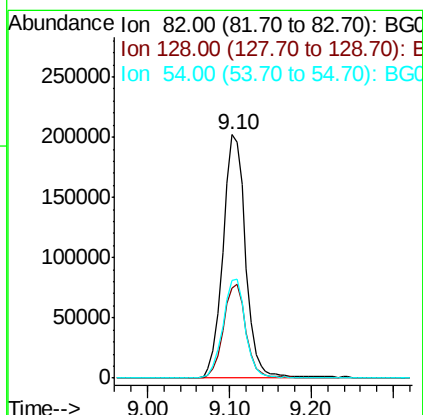
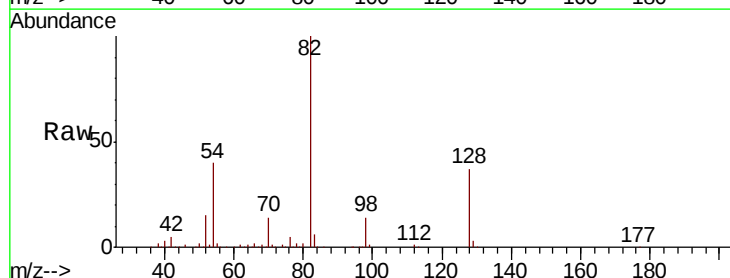
Instrument :
BNA_G
ClientSampleId :

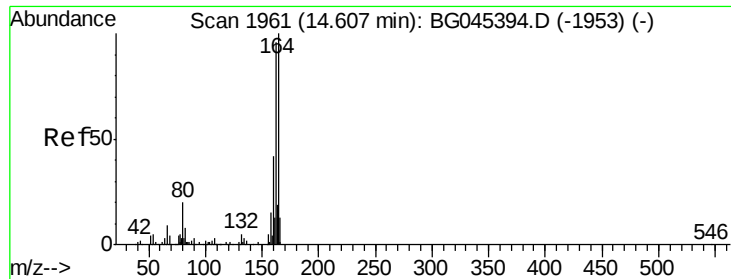
Tot Ion:136	Resp:	214373	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	9.4	14.2	
54 6.6	5.8	8.6	
68 5.7	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 99.461 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Tgt	Ion: 82	Resp:	390997
Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.9	46.3
54	40.1	30.3	45.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

Instrument :

BNA_G

ClientSampleId :

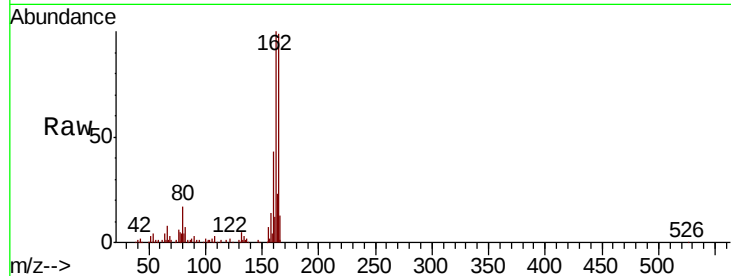
Tot Ion:164 Resp: 159184

Ion Ratio Lower Upper

164 100

162 101.2 76.9 115.3

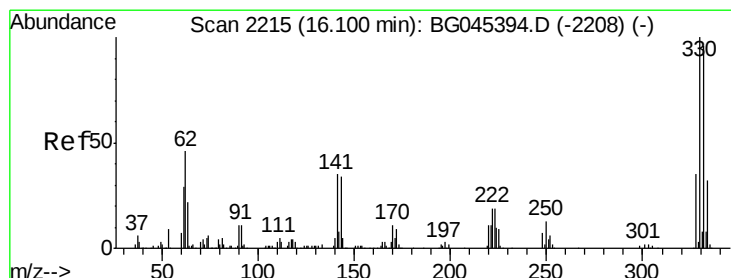
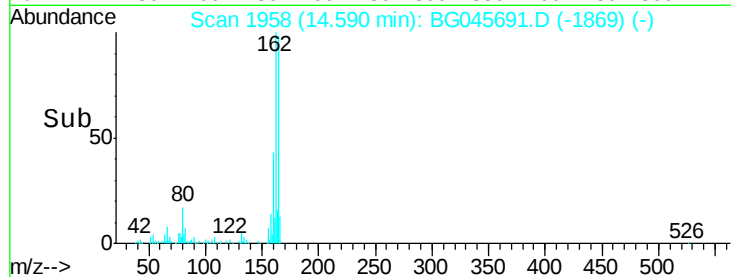
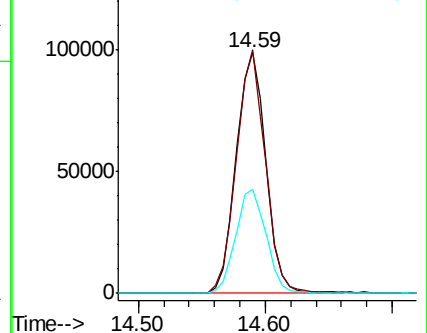
160 43.2 33.8 50.8



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: 154.687 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

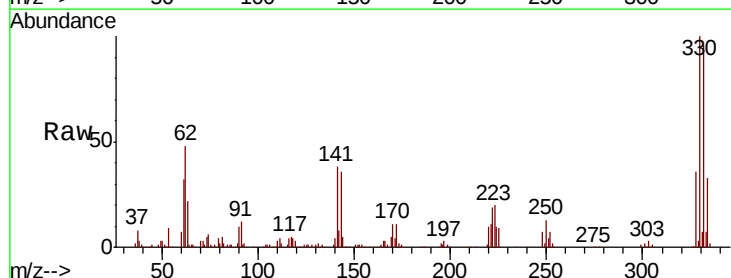
Tgt Ion:330 Resp: 314909

Ion Ratio Lower Upper

330 100

332 98.0 78.2 117.4

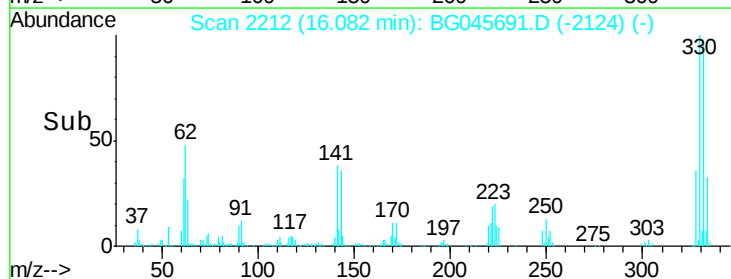
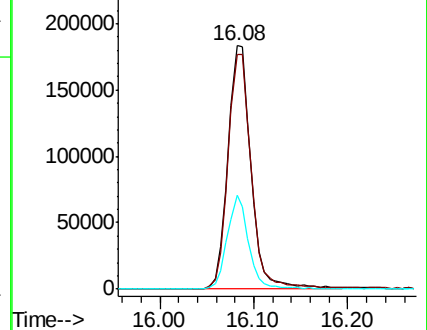
141 35.7 28.2 42.4

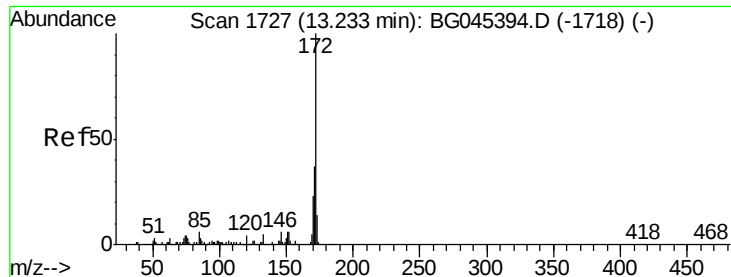


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

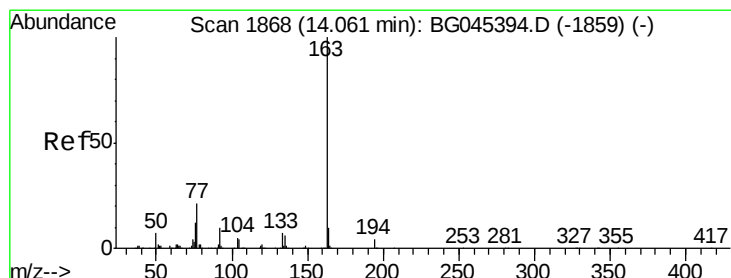
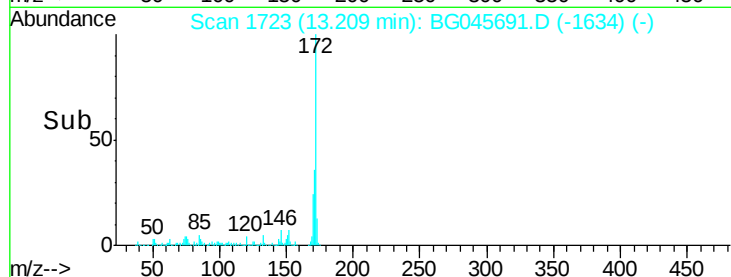
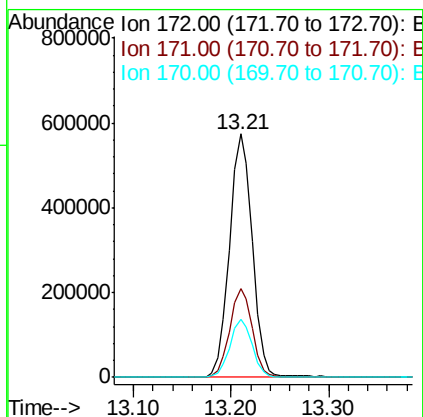
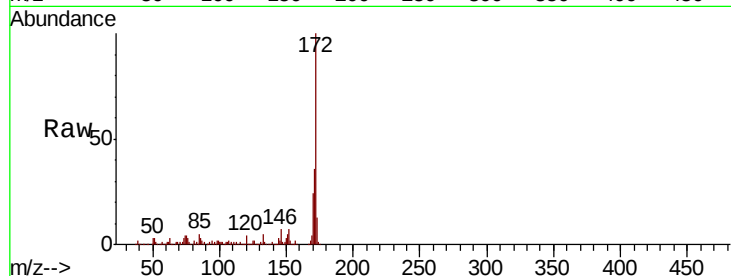




#45
2-Fluorobiphenyl
Concen: 99.391 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

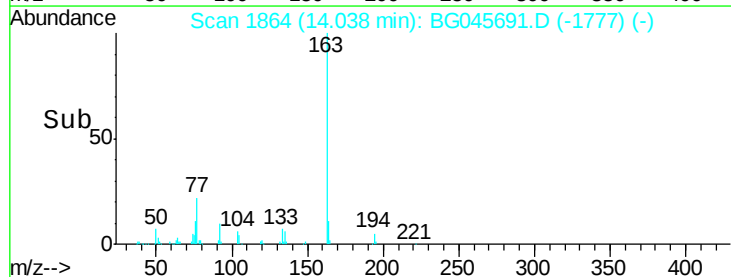
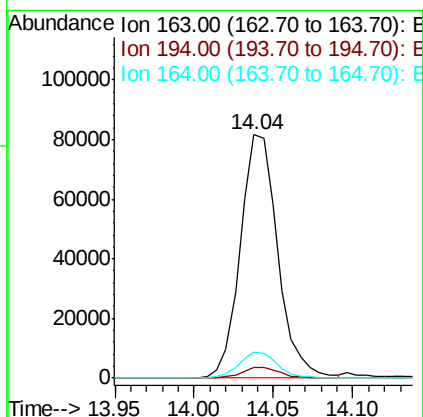
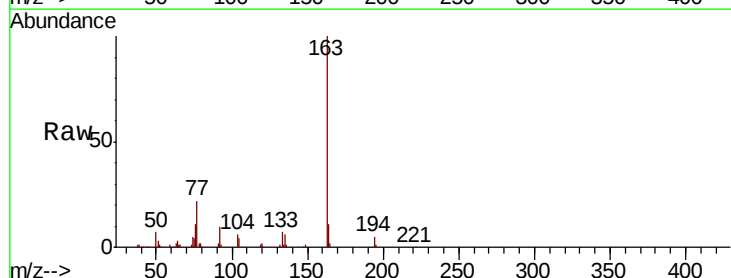
Instrument :
BNA_G
ClientSampleId :

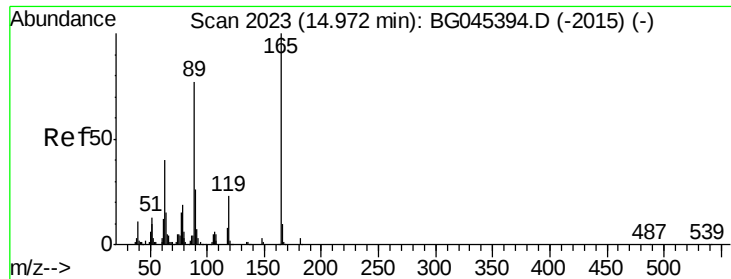
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	23.9	18.5	27.7



#50
Dimethylphthalate
Concen: 12.244 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	10.5	8.3	12.5

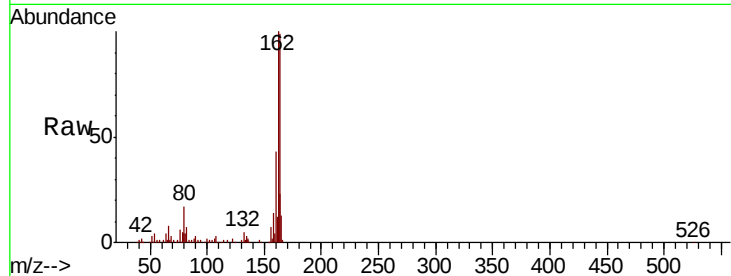




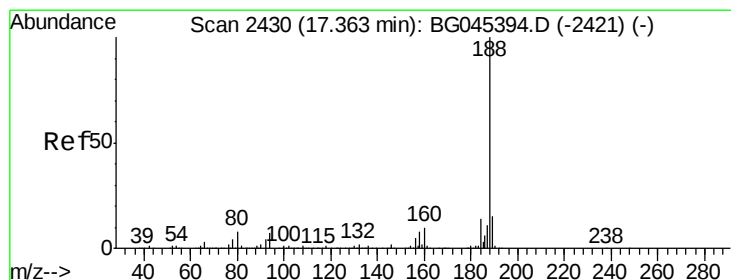
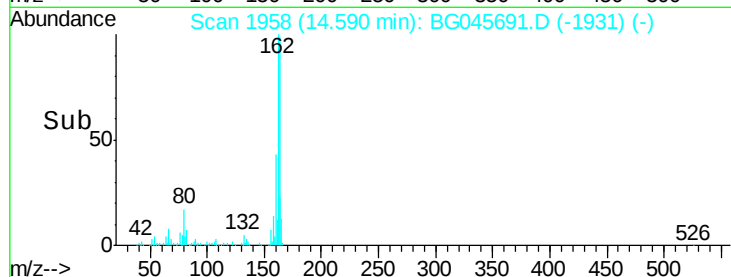
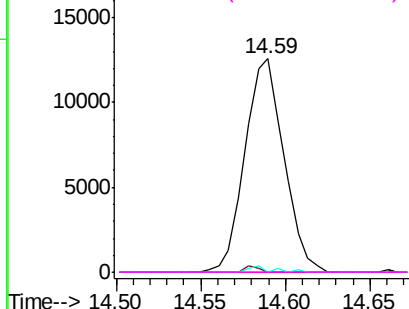
#57
2,4-Dinitrotoluene
Concen: 5.658 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.37 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165	Resp:	20193
Ion	Ratio	Lower Upper
165	100	
63	0.0	32.5 48.7#
89	0.0	61.8 92.6#
182	0.0	2.3 3.5#

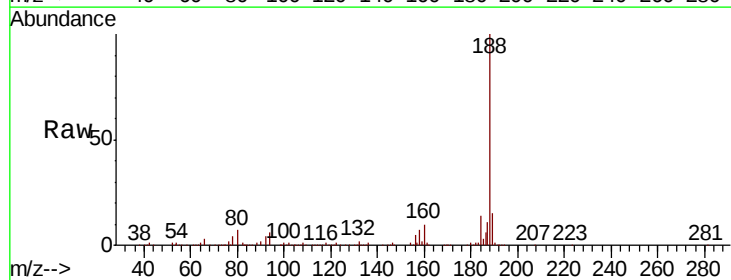


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

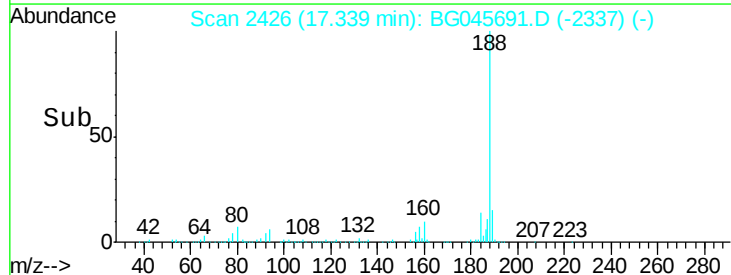
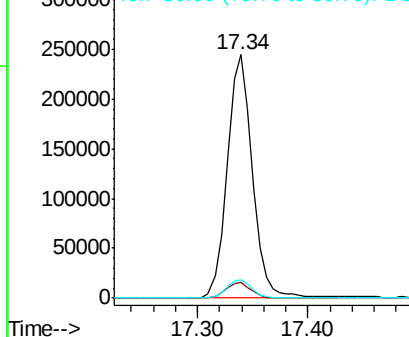


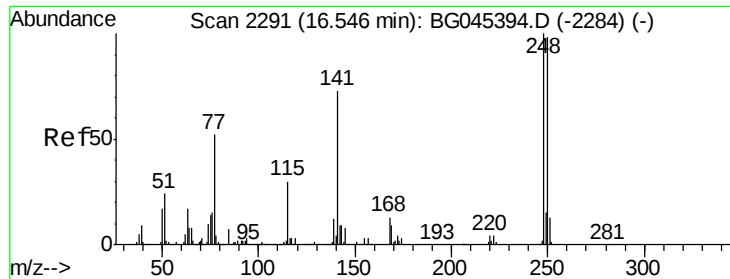
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Tgt Ion:188	Resp:	391156
Ion	Ratio	Lower Upper
188	100	
94	6.3	5.5 8.3
80	7.4	6.6 10.0



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

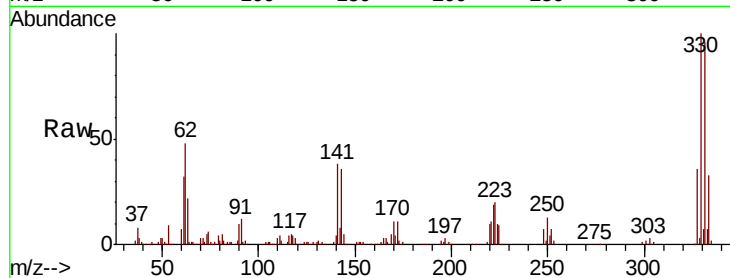




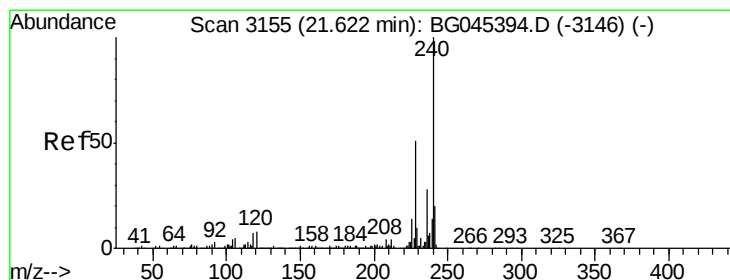
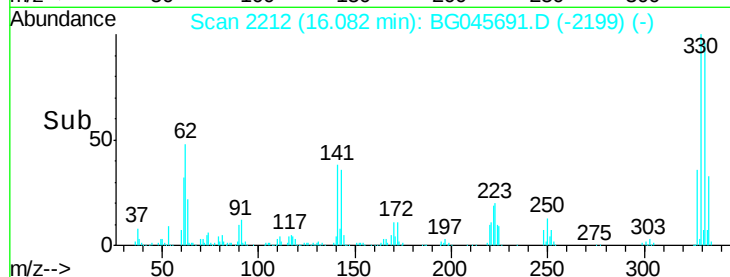
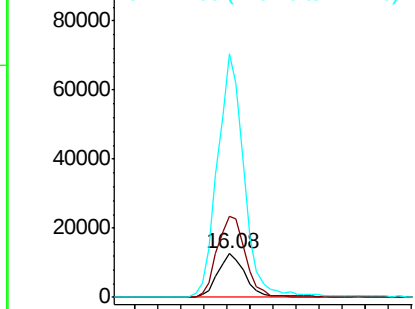
#67
4-Bromophenyl-phenylether
Concen: 4.935 ng
RT: 16.08 min Scan# 2212
Delta R.T. -0.45 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 20904
Ion Ratio Lower Upper
248 100
250 185.8 78.6 117.8#
141 555.7 58.2 87.2#

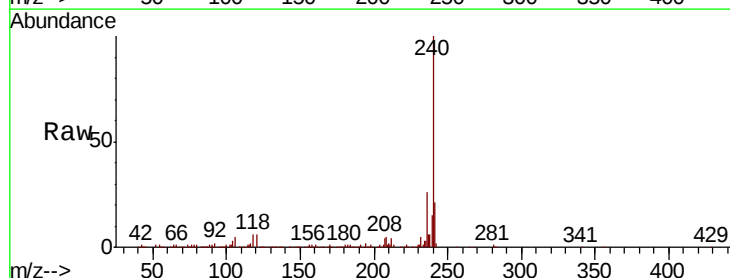


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

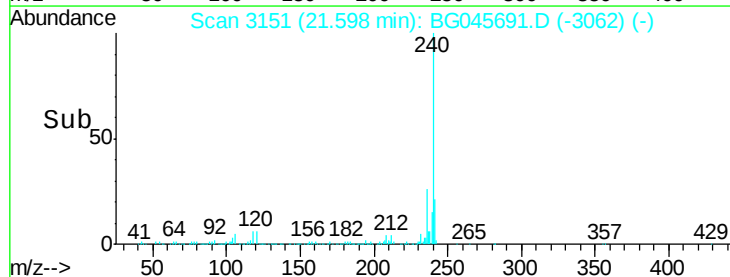
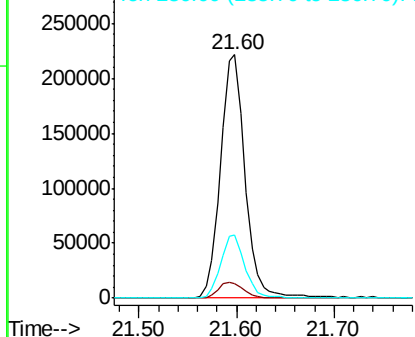


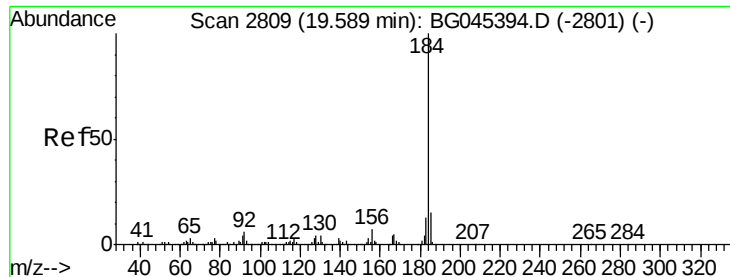
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Tgt Ion:240 Resp: 388063
Ion Ratio Lower Upper
240 100
120 6.1 6.1 9.1#
236 26.2 22.3 33.5



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: 3.132 ng

RT: 19.95 min Scan# 2871

Delta R.T. 0.38 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

Instrument :

BNA_G

ClientSampleId :

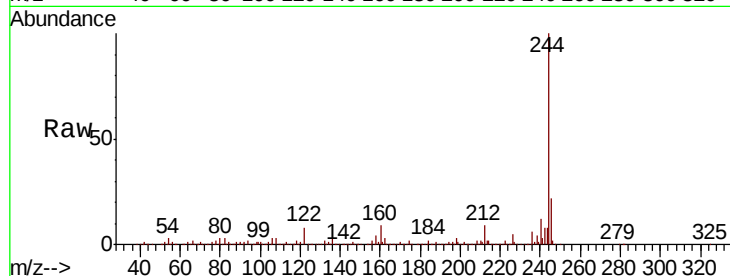
Tot Ion:184 Resp: 34135

Ion Ratio Lower Upper

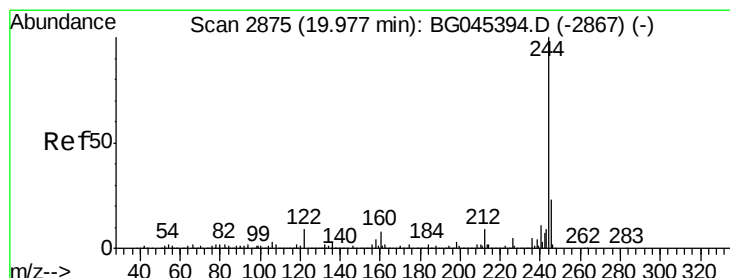
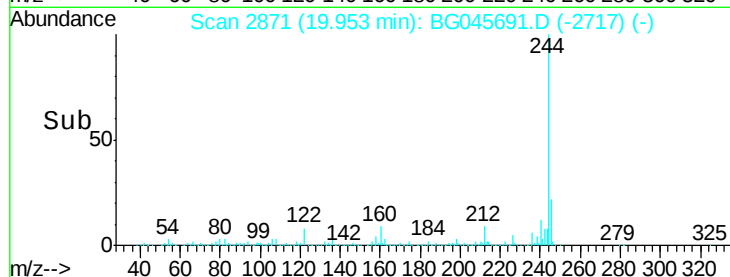
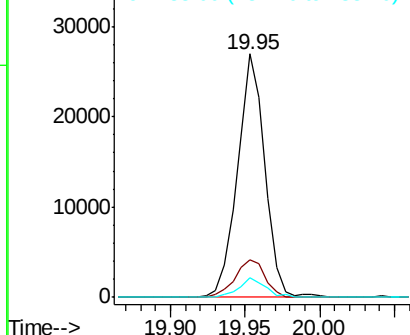
184 100

185 15.3 11.7 17.5

183 8.1 10.2 15.4#



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: 104.806 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045691.D

Acq: 10 Jun 2020 14:33

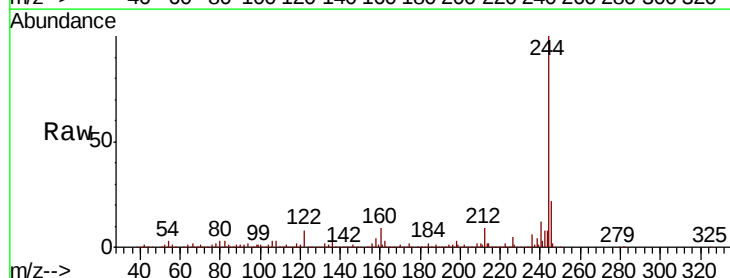
Tgt Ion:244 Resp: 1743832

Ion Ratio Lower Upper

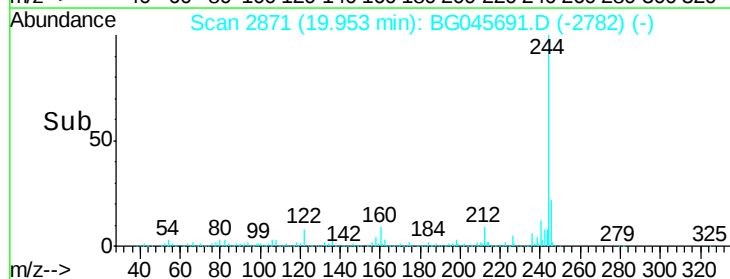
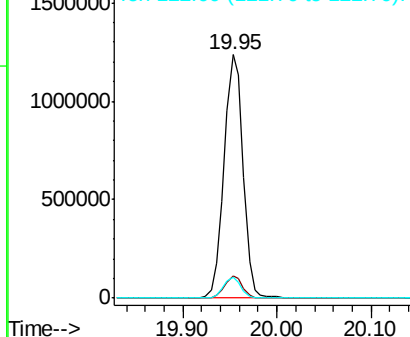
244 100

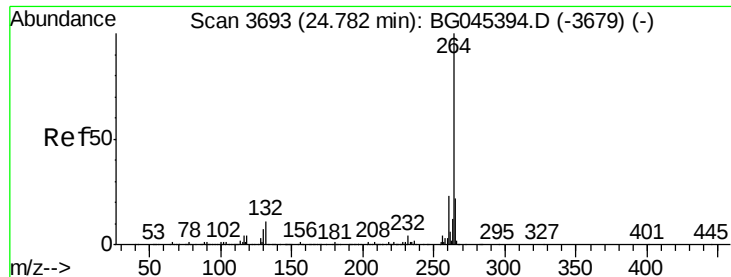
212 9.3 7.4 11.0

122 8.4 6.8 10.2



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

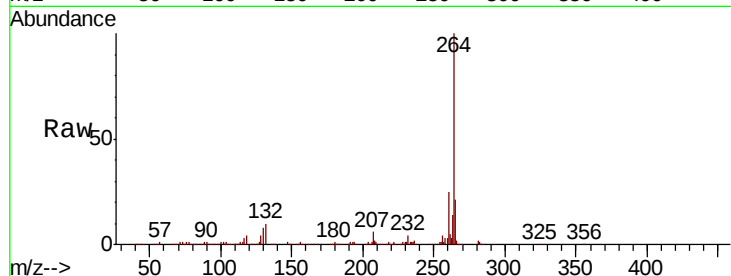




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.74 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG045691.D
Acq: 10 Jun 2020 14:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.2	27.4
265	21.1	17.6	26.4



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

