

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045512.D
 Acq On : 29 May 2020 4:26
 Operator : CG/JU
 Sample : PB129114TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129114TB

Quant Time: May 29 06:33:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

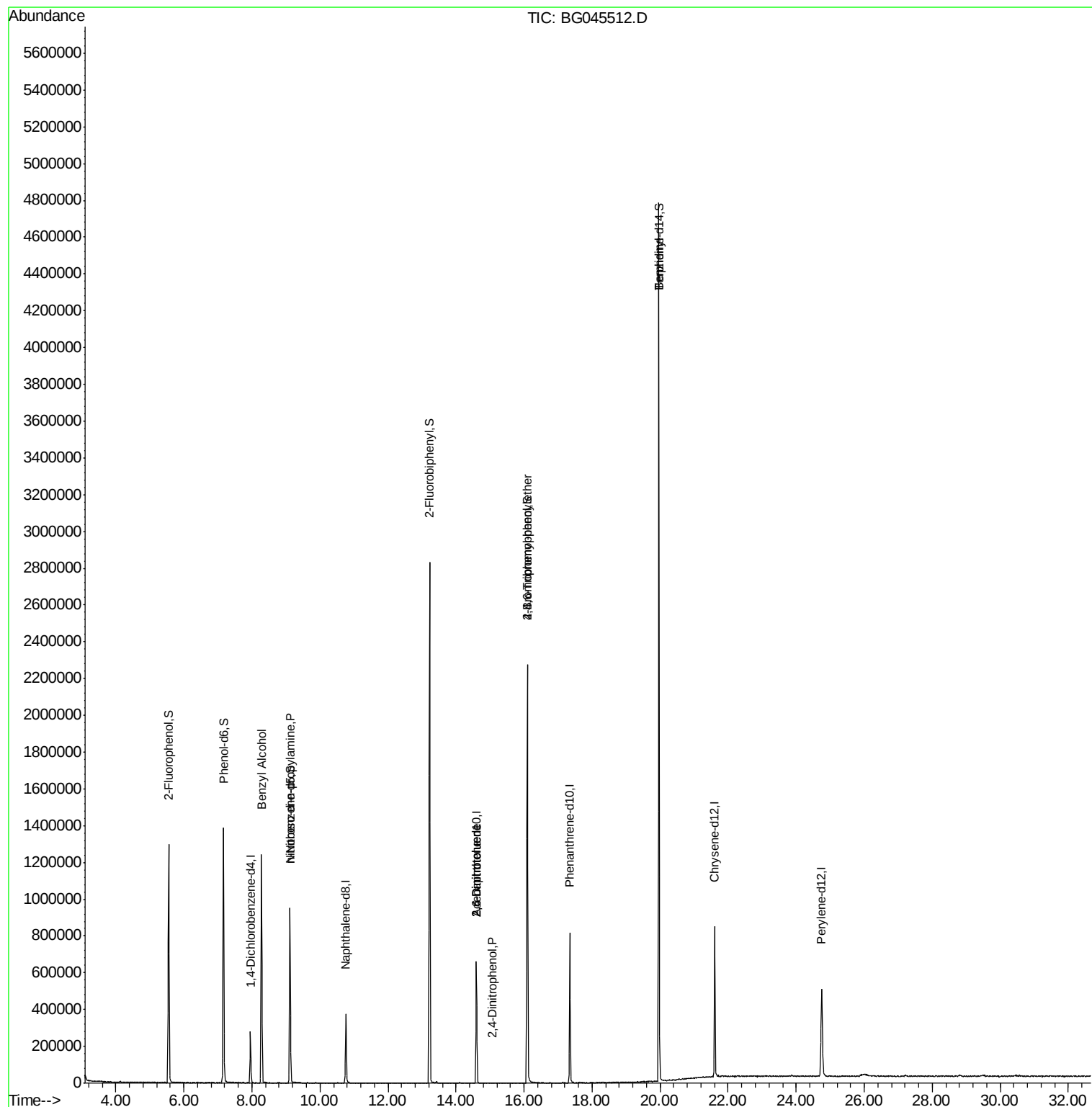
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	86147	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	347185	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	247476	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	547056	20.00	ng	0.00
76) Chrysene-d12	21.60	240	523709	20.00	ng	0.00
87) Perylene-d12	24.75	264	540445	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	625387	141.87	ng	0.00
7) Phenol-d6	7.17	99	936228	149.22	ng	0.00
23) Nitrobenzene-d5	9.12	82	671702	105.50	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	486792	153.81	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1533139	105.08	ng	0.00
79) Terphenyl-d14	19.97	244	2309208	102.84	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.28	79	11677	2.253	ng	# 59
19) n-Nitroso-di-n-propylamine	9.12	70	91526	21.096	ng	# 77
51) 2,6-Dinitrotoluene	14.60	165	32239	8.416	ng	# 24
54) 2,4-Dinitrophenol	15.06	184	63	5.482	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	32239	5.811	ng	# 24
67) 4-Bromophenyl-phenylether	16.09	248	32656	5.513	ng	# 1
77) Benizidine	19.97	184	47004	3.196	ng	# 93

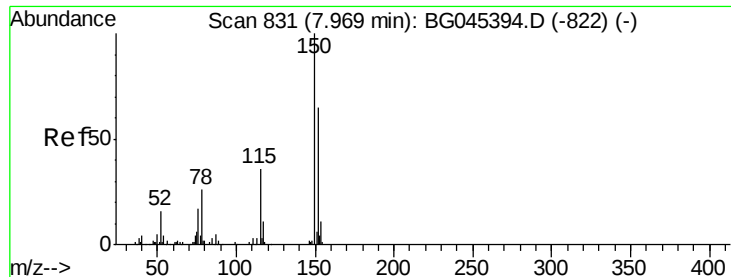
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 29 06:33:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

Instrument :

BNA_G

ClientSampleId :

PB129114TB

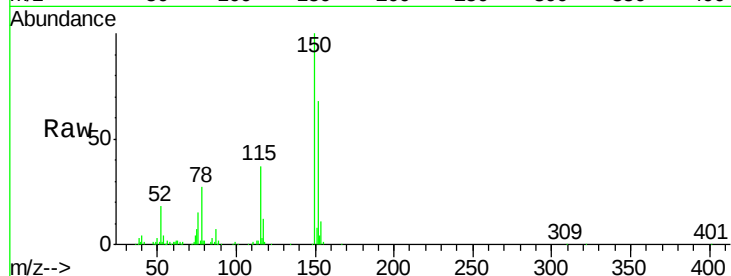
Tot Ion:152 Resp: 86147

Ion Ratio Lower Upper

152 100

150 147.7 122.4 183.6

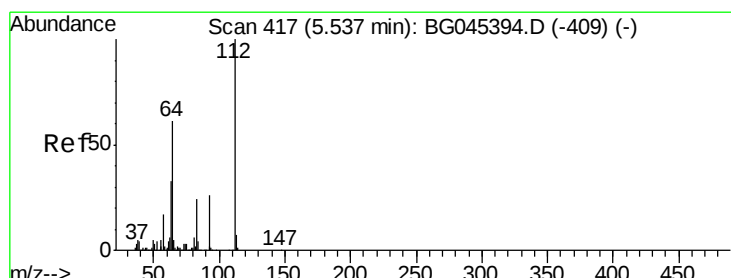
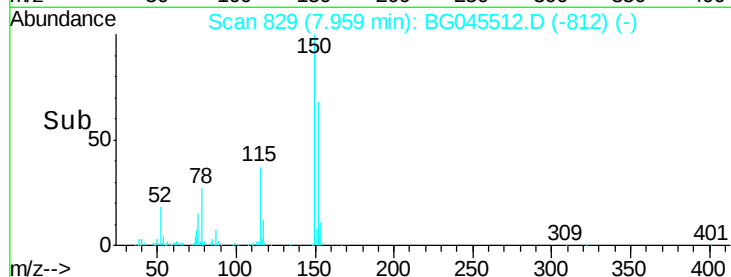
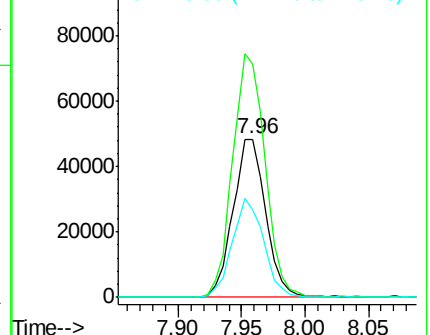
115 55.3 44.2 66.4



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



#5

2-Fluorophenol

Concen: 141.873 ng

RT: 5.55 min Scan# 419

Delta R.T. 0.00 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

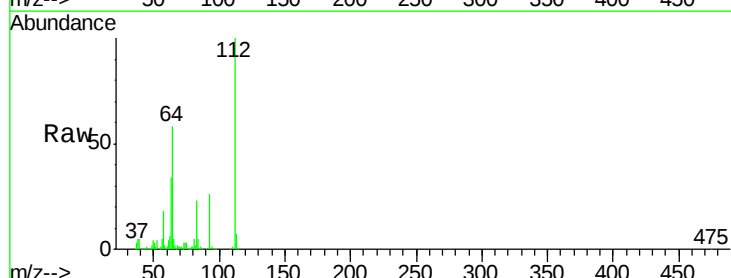
Tgt Ion:112 Resp: 625387

Ion Ratio Lower Upper

112 100

64 57.5 48.6 72.8

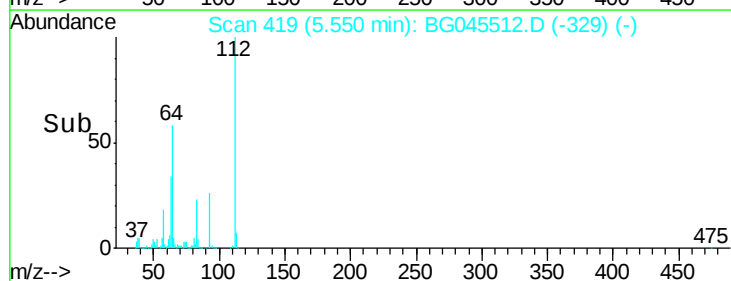
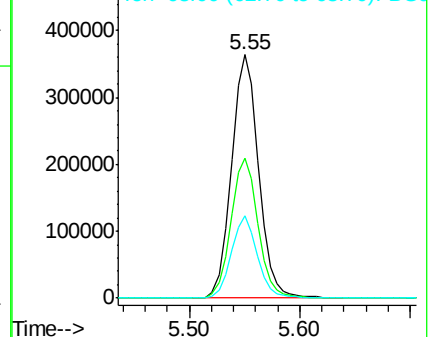
63 33.9 26.5 39.7

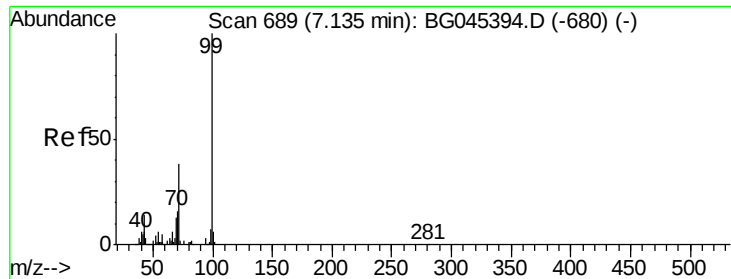


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 149.223 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

Instrument :

BNA_G

ClientSampleId :

PB129114TB

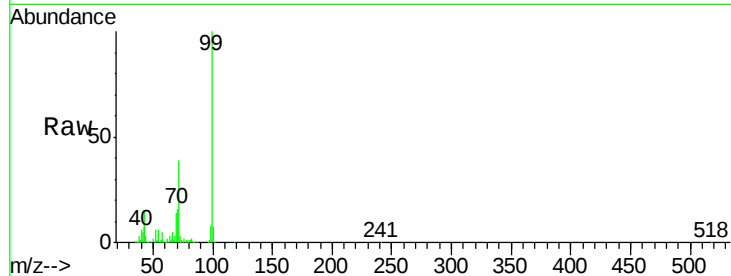
Tot Ion: 99 Resp: 936228

Ion Ratio Lower Upper

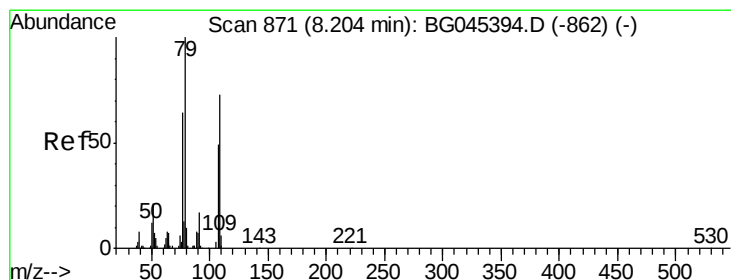
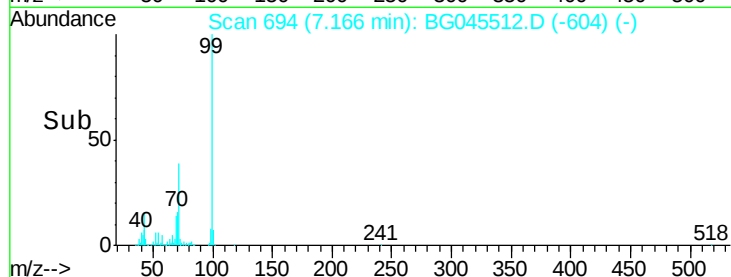
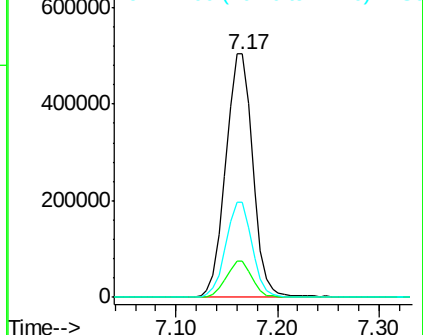
99 100

42 14.7 11.3 16.9

71 39.0 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: 2.253 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.08 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

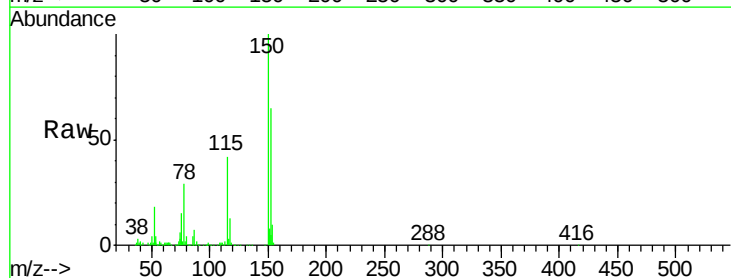
Tgt Ion: 79 Resp: 11677

Ion Ratio Lower Upper

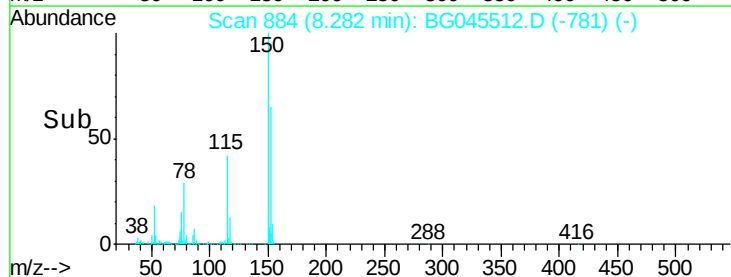
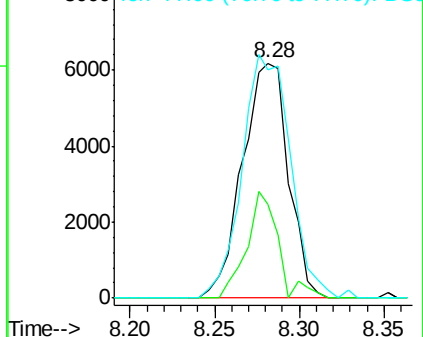
79 100

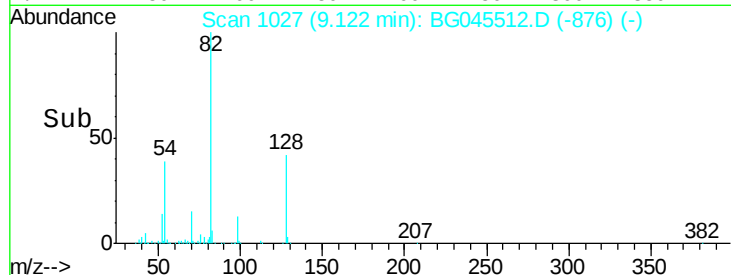
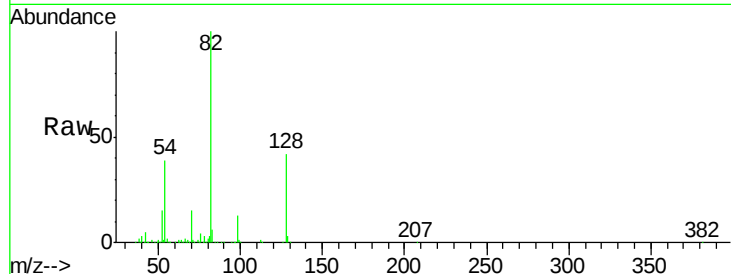
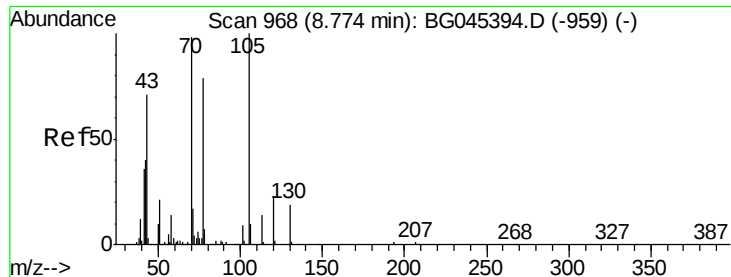
108 39.8 58.2 87.4#

77 97.4 51.0 76.4#



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

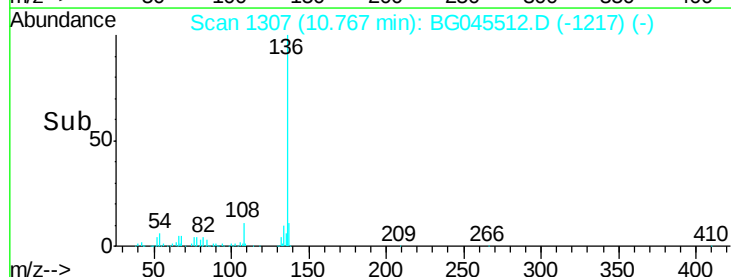
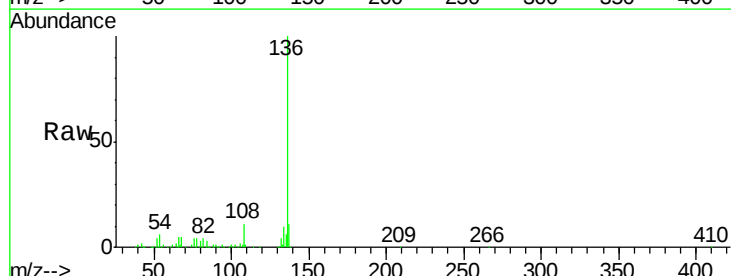
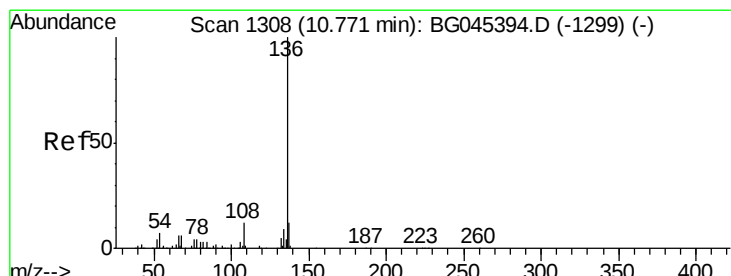
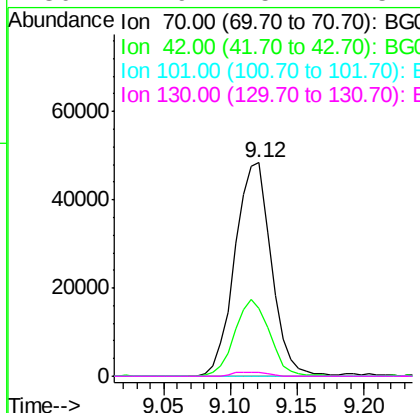




#19
n-Nitroso-di-n-propylamine
Concen: 21.096 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.36 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

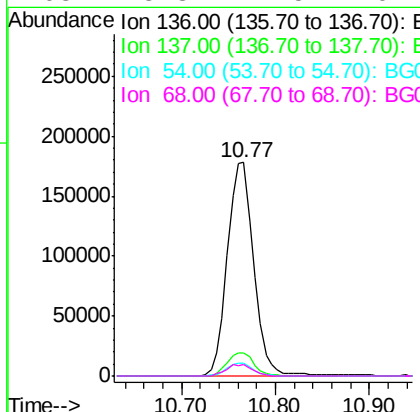
Instrument :
BNA_G
ClientSampleId :
PB129114TB

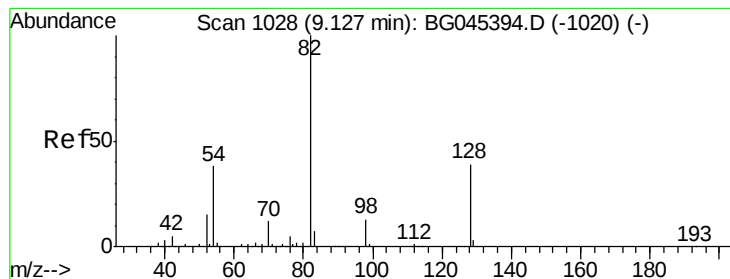
Tot Ion: 70 Resp: 91526
Ion Ratio Lower Upper
70 100
42 31.8 33.2 49.8#
101 0.0 7.8 11.6#
130 1.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

Tgt Ion: 136 Resp: 347185
Ion Ratio Lower Upper
136 100
137 10.5 9.4 14.2
54 5.7 5.8 8.6#
68 5.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 105.503 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

Instrument :

BNA_G

ClientSampleId :

PB129114TB

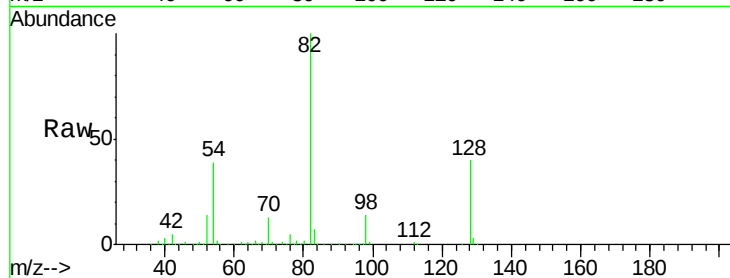
Tot Ion: 82 Resp: 671702

Ion Ratio Lower Upper

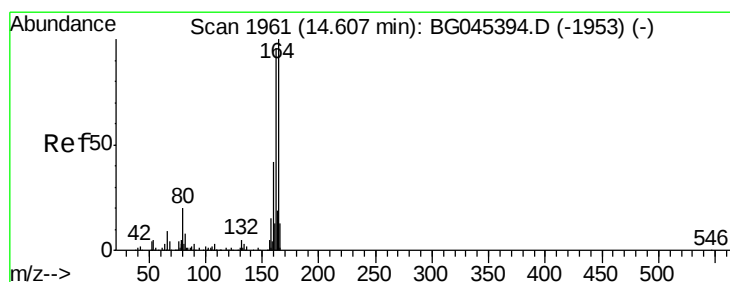
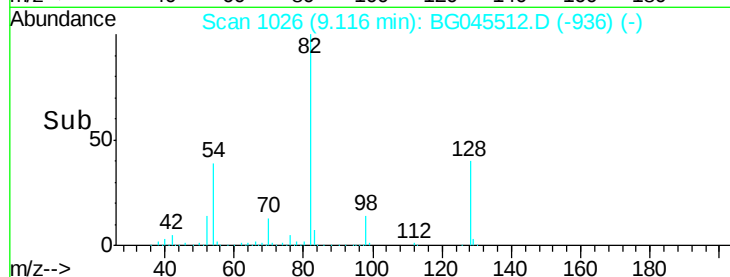
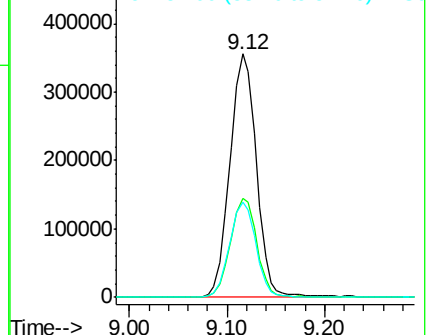
82 100

128 40.4 30.9 46.3

54 39.2 30.3 45.5



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: 14.60 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

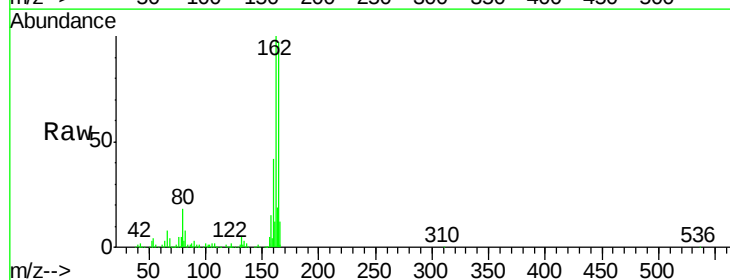
Tgt Ion: 164 Resp: 247476

Ion Ratio Lower Upper

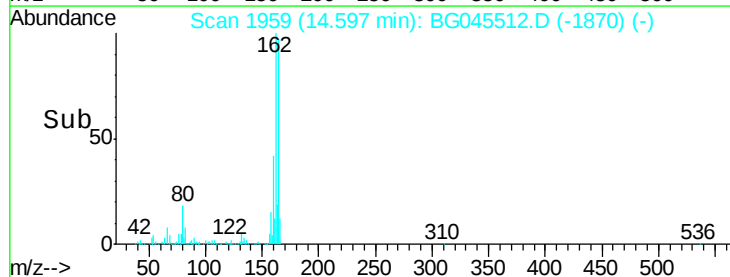
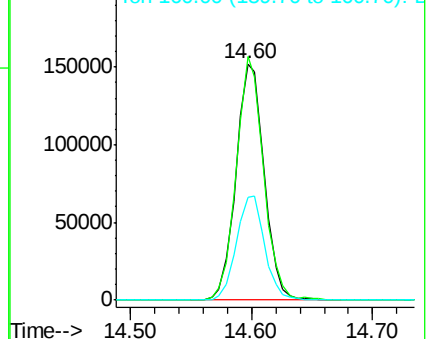
164 100

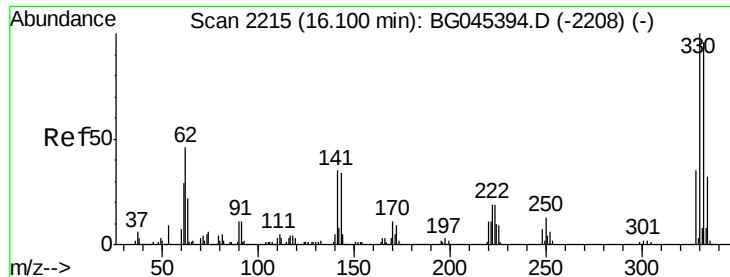
162 103.2 76.9 115.3

160 43.8 33.8 50.8



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: 153.808 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

Instrument :

BNA_G

ClientSampleId :

PB129114TB

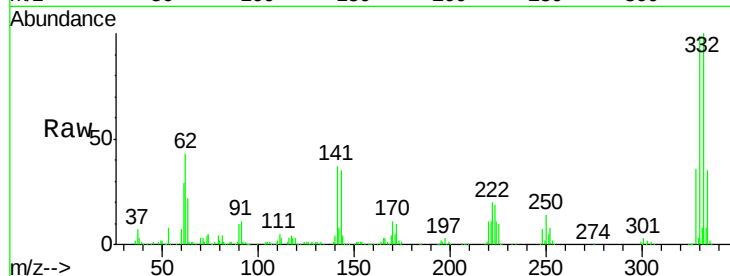
Tot Ion:330 Resp: 486792

Ion Ratio Lower Upper

330 100

332 98.4 78.2 117.4

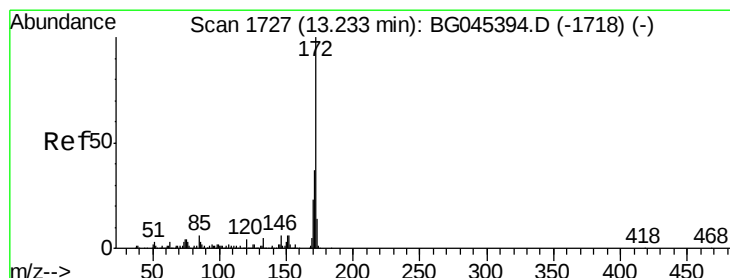
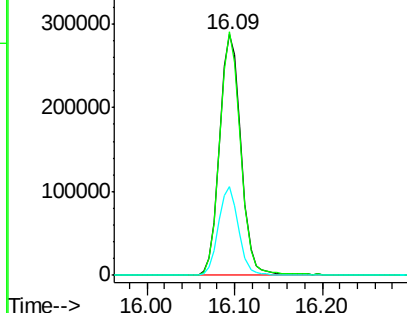
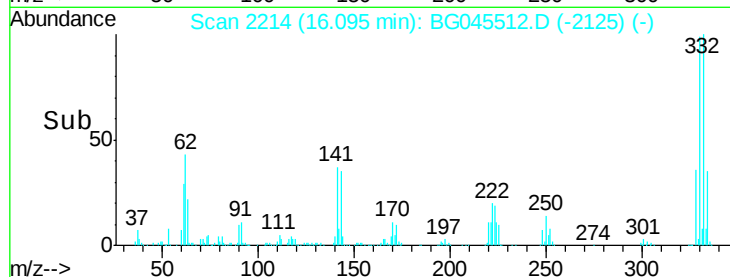
141 34.8 28.2 42.4



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: 105.082 ng

RT: 13.22 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BG045512.D

Acq: 29 May 2020 4:26

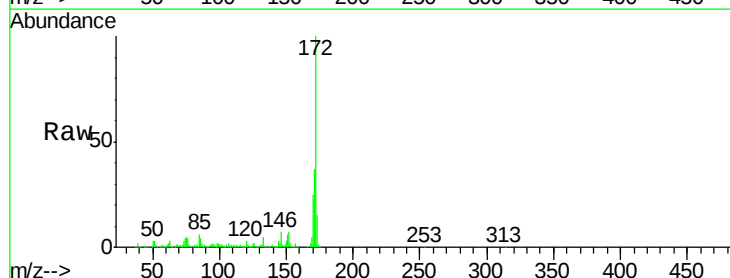
Tgt Ion:172 Resp: 1533139

Ion Ratio Lower Upper

172 100

171 37.2 29.5 44.3

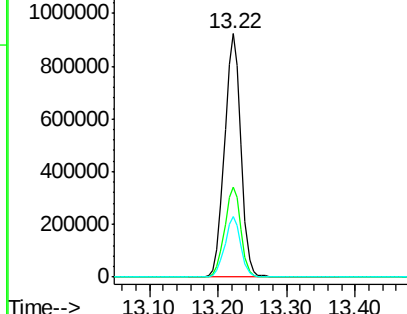
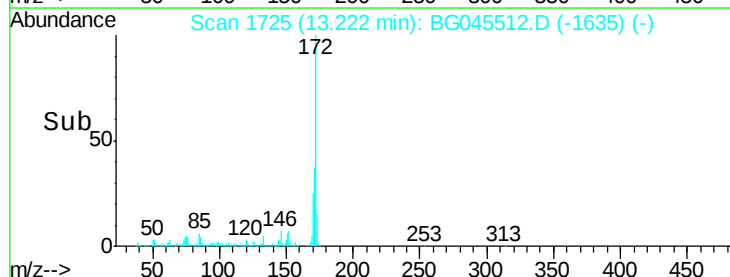
170 25.1 18.5 27.7

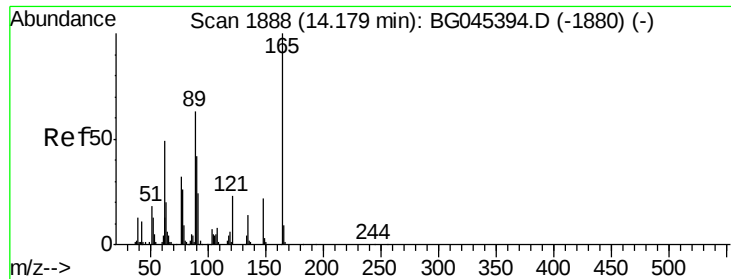


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

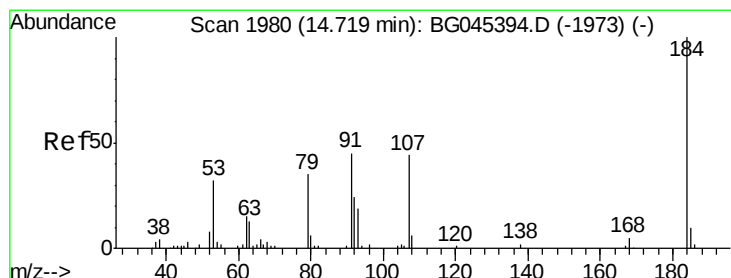
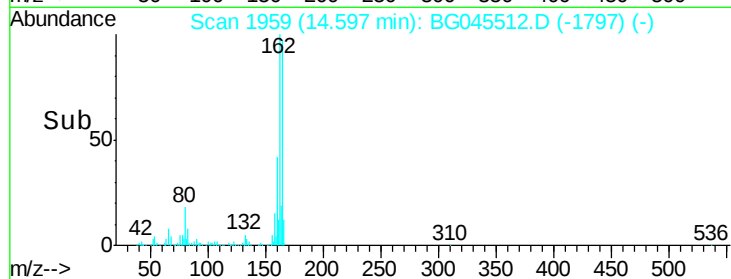
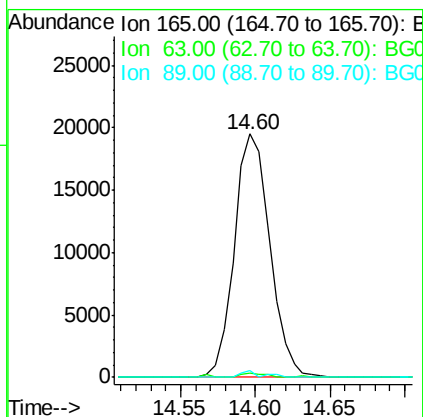
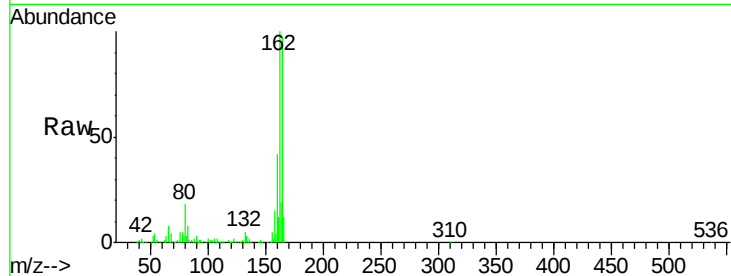




#51
 2,6-Dinitrotoluene
 Concen: 8.416 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.42 min
 Lab File: BG045512.D
 Acq: 29 May 2020 4:26

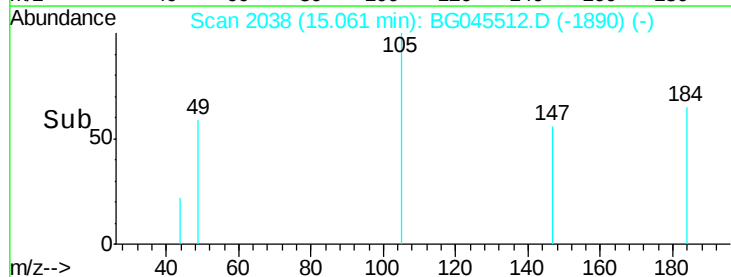
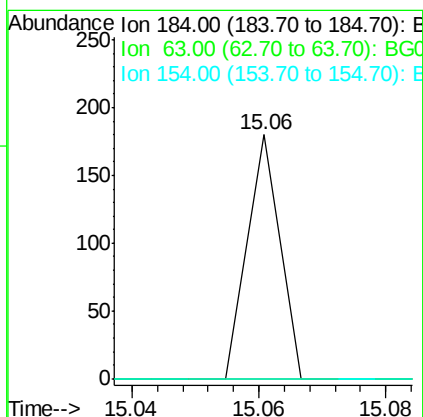
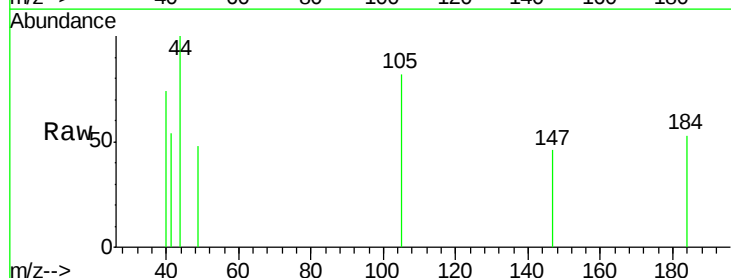
Instrument :
 BNA_G
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 PB129114TB

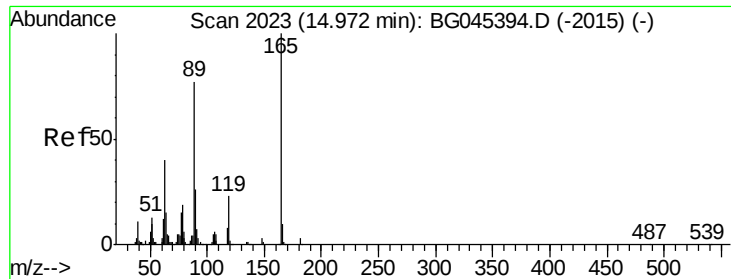
Tot Ion:165 Resp: 32239
 Ion Ratio Lower Upper
 165 100
 63 1.9 45.0 67.4#
 89 2.9 50.2 75.4#



#54
 2,4-Dinitrophenol
 Concen: 5.482 ng
 RT: 15.06 min Scan# 2038
 Delta R.T. 0.34 min
 Lab File: BG045512.D
 Acq: 29 May 2020 4:26

Tgt Ion:184 Resp: 63
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#

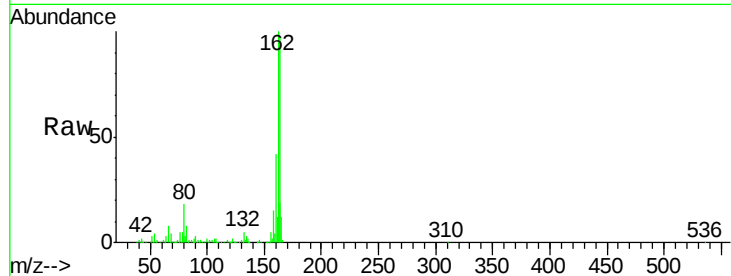




#57
 2,4-Dinitrotoluene
 Concen: 5.811 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.37 min
 Lab File: BG045512.D
 Acq: 29 May 2020 4:26

Instrument :
 BNA_G
 ClientSampleId :
 PB129114TB

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	32.5	48.7#
89	2.9	61.8	92.6#
182	0.0	2.3	3.5#

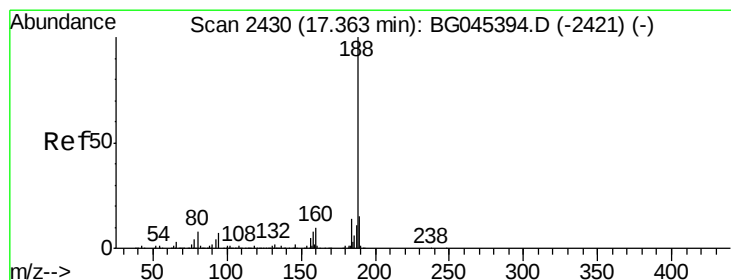
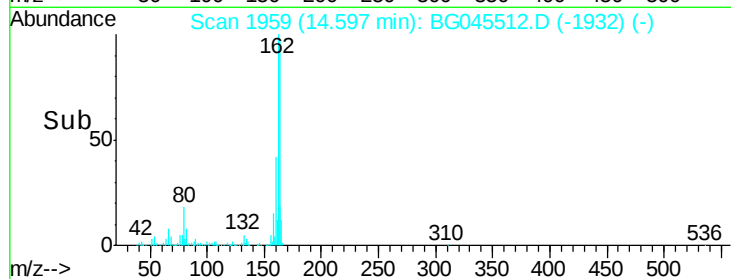
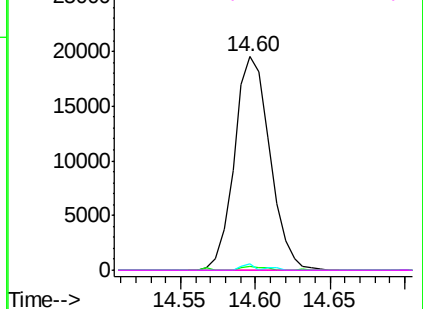


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

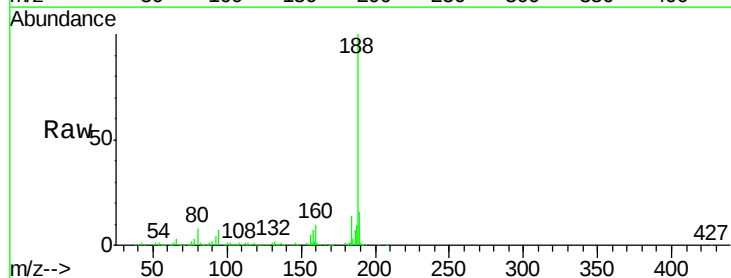
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BG045512.D
 Acq: 29 May 2020 4:26

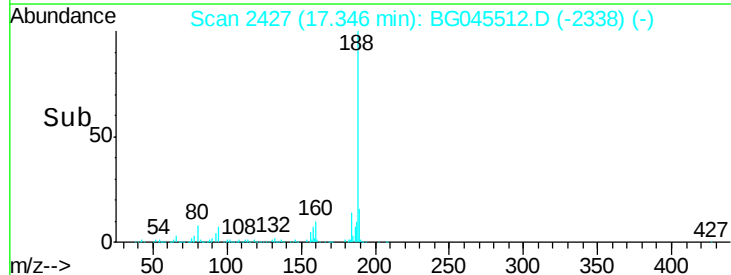
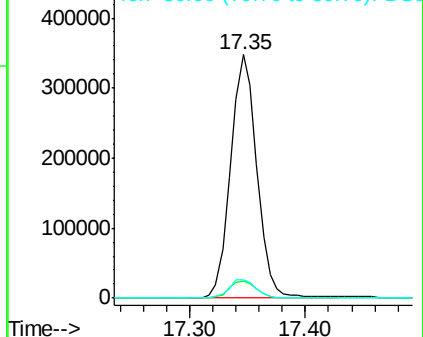
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.5	8.3
80	7.7	6.6	10.0

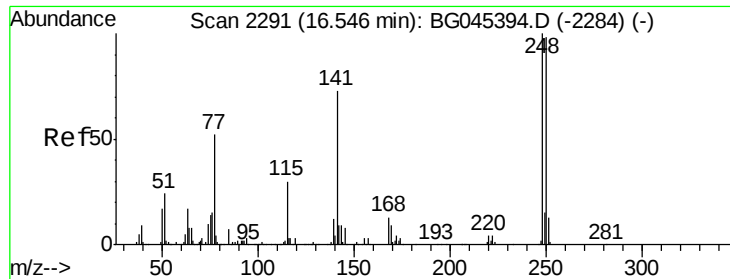


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

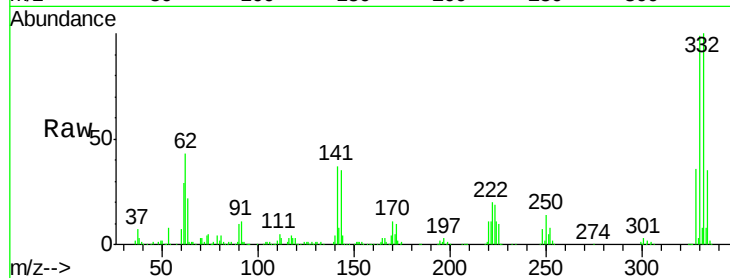




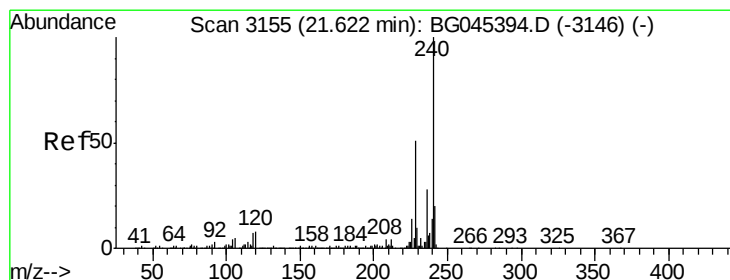
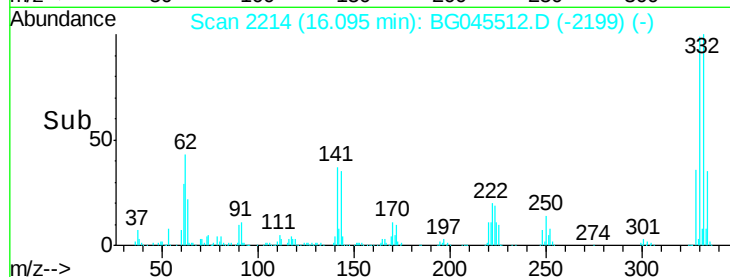
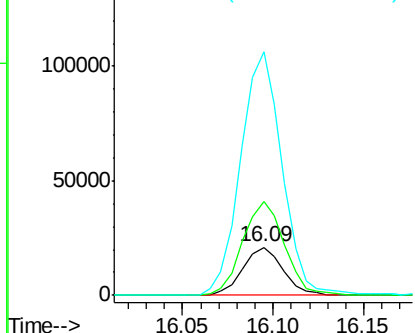
#67
4-Bromophenyl-phenylether
Concen: 5.513 ng
RT: 16.09 min Scan# 2214
Delta R.T. -0.44 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

Instrument :
BNA_G
ClientSampleId :
PB129114TB

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.0	78.6	117.8#
141	505.7	58.2	87.2#

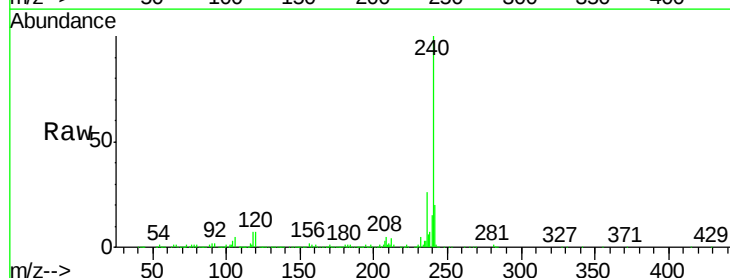


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

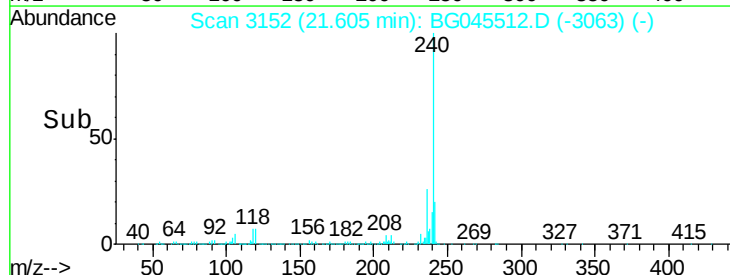
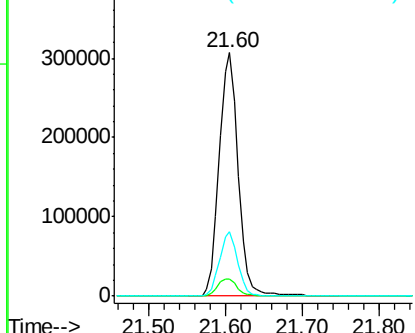


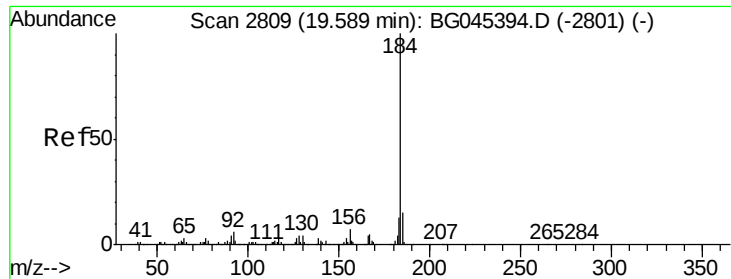
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.1	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

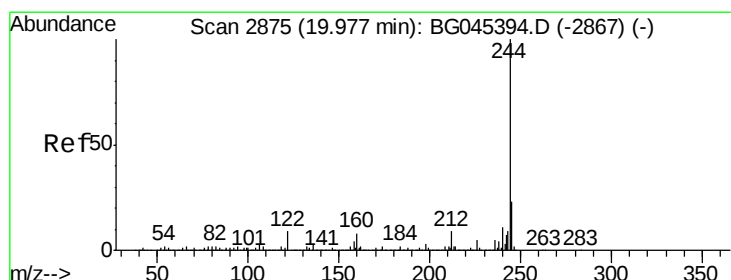
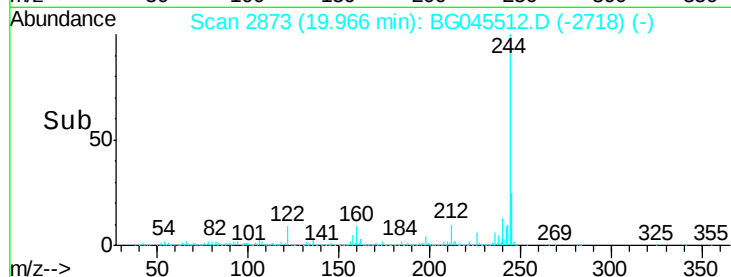
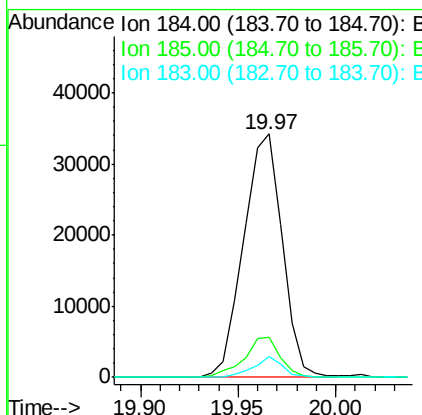
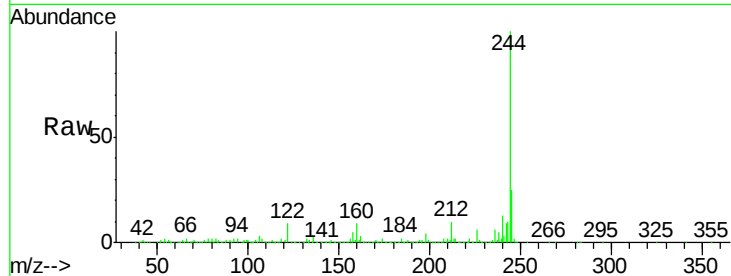




#77
Benzidine
Concen: 3.196 ng
RT: 19.97 min Scan# 2873
Delta R.T. 0.38 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

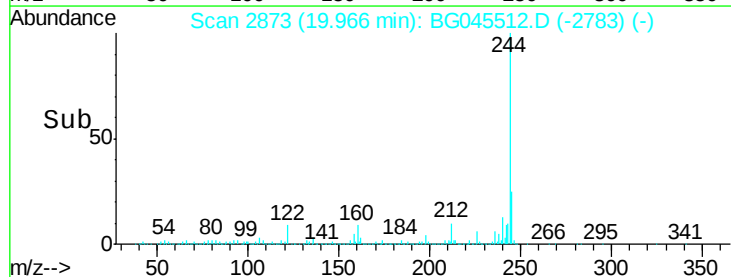
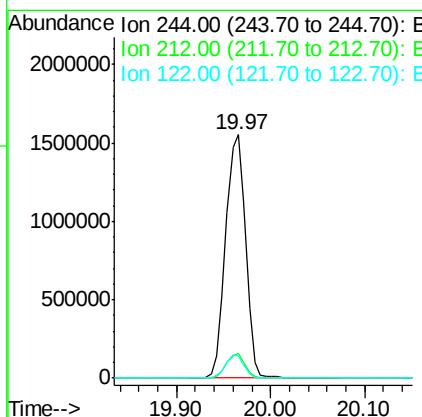
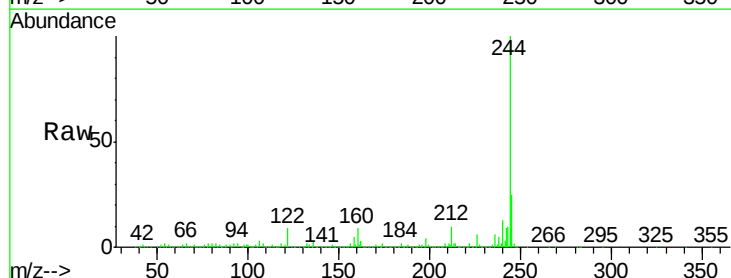
Instrument :
BNA_G
ClientSampleId :
PB129114TB

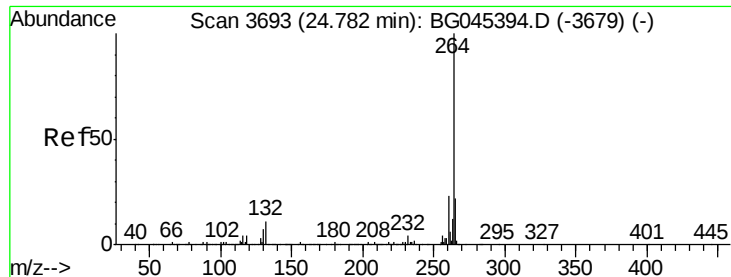
Tot Ion:184 Resp: 47004
Ion Ratio Lower Upper
184 100
185 16.4 11.7 17.5
183 8.4 10.2 15.4#



#79
Terphenyl-d14
Concen: 102.839 ng
RT: 19.97 min Scan# 2873
Delta R.T. 0.00 min
Lab File: BG045512.D
Acq: 29 May 2020 4:26

Tgt Ion:244 Resp: 2309208
Ion Ratio Lower Upper
244 100
212 10.3 7.4 11.0
122 9.2 6.8 10.2

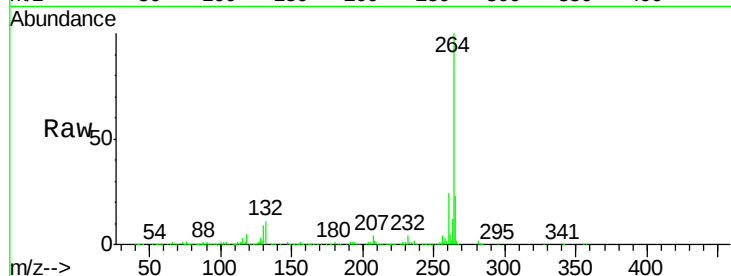




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3687
 Delta R.T. -0.01 min
 Lab File: BG045512.D
 Acq: 29 May 2020 4:26

Instrument :
 BNA_G
 ClientSampleId :
 PB129114TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	22.7	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

