

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052920\
 Data File : BG045536.D
 Acq On : 30 May 2020 2:02
 Operator : CG/JU
 Sample : PB129185BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129185BL

Quant Time: May 30 06:30:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

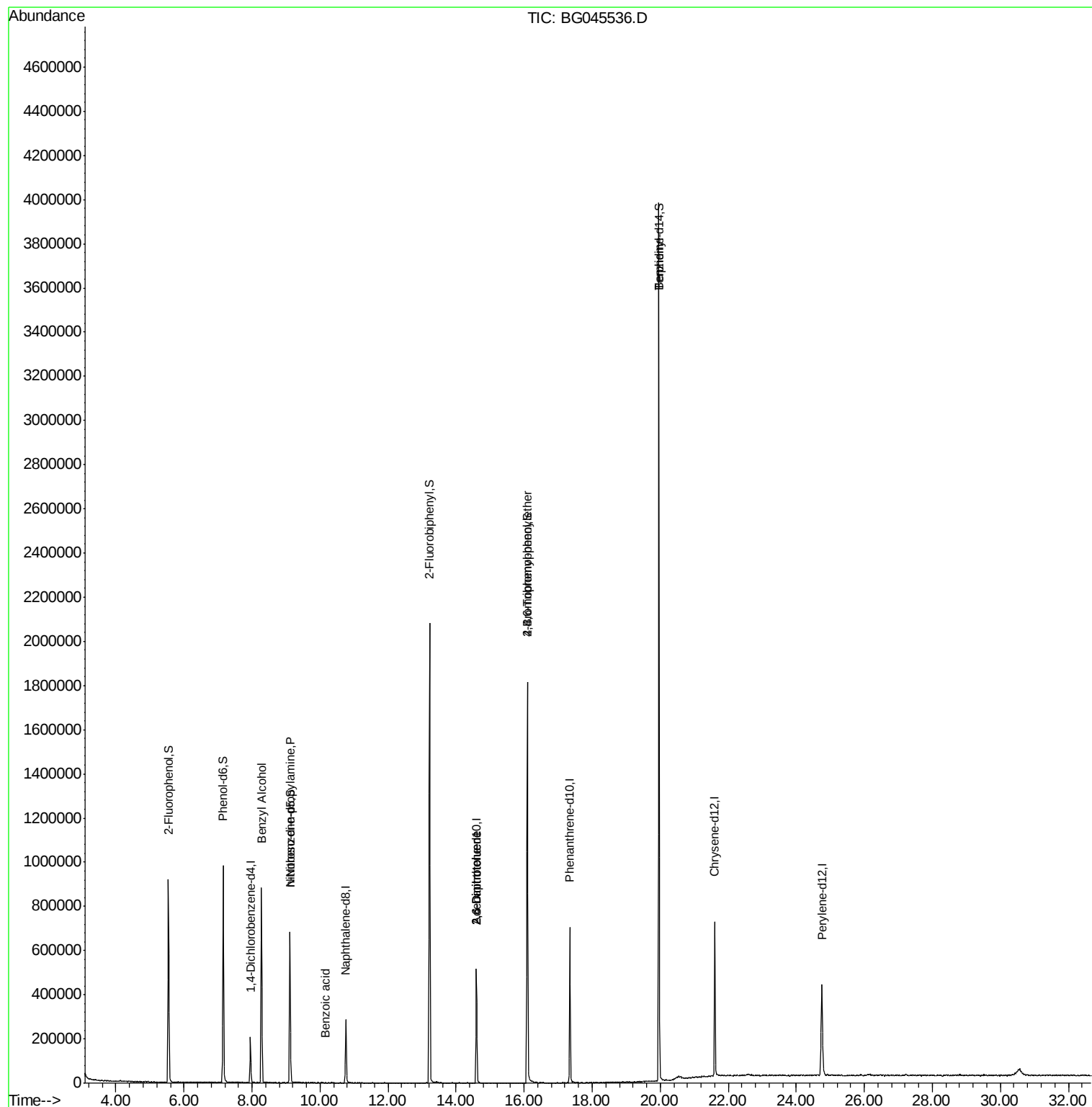
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	64883	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	265145	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	201030	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	474882	20.00	ng	0.00
76) Chrysene-d12	21.60	240	468691	20.00	ng	0.00
87) Perylene-d12	24.75	264	486952	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	453855	136.70	ng	0.00
7) Phenol-d6	7.15	99	660160	139.71	ng	-0.01
23) Nitrobenzene-d5	9.11	82	478386	98.39	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	388093	150.95	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1166669	98.44	ng	0.00
79) Terphenyl-d14	19.96	244	2007342	99.89	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	8471	2.170	ng	# 47
19) n-Nitroso-di-n-propylamine	9.11	70	64612	19.773	ng	# 77
32) Benzoic acid	10.17	122	65	10.045	ng	# 1
51) 2,6-Dinitrotoluene	14.60	165	25348	8.146	ng	# 23
57) 2,4-Dinitrotoluene	14.60	165	25348	5.624	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	26313	5.117	ng	# 1
77) Benzidine	19.96	184	38390	2.916	ng	# 91

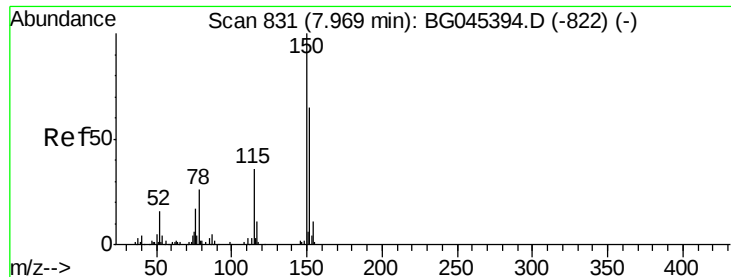
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



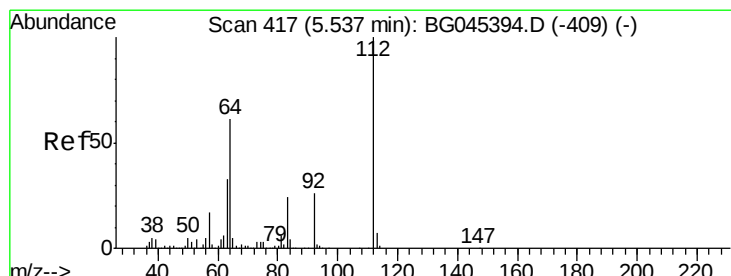
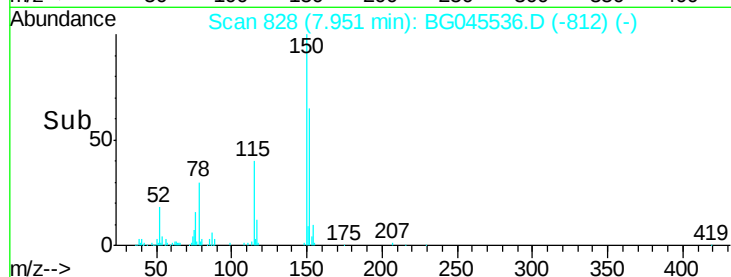
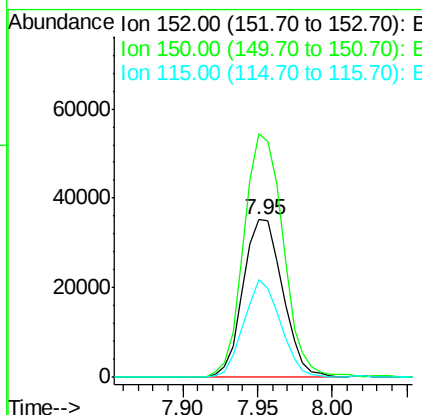
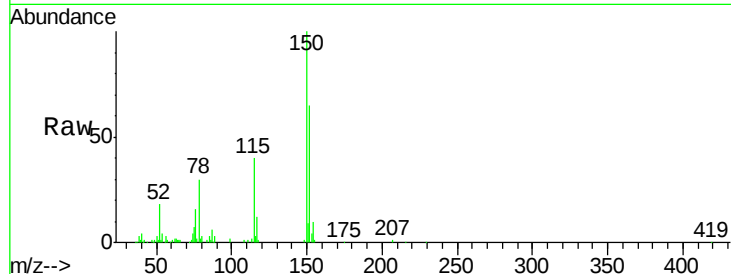


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Instrument :
BNA_G
ClientSampleId :
PB129185BL

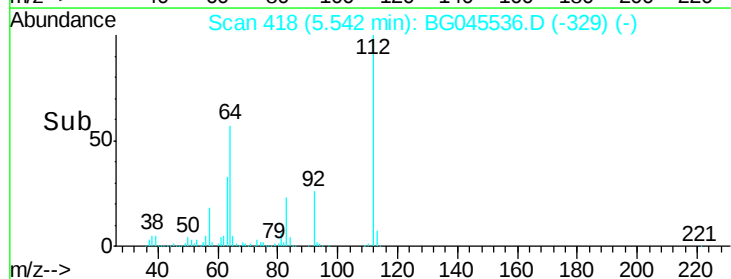
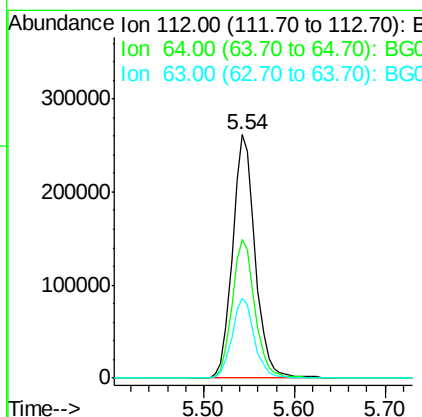
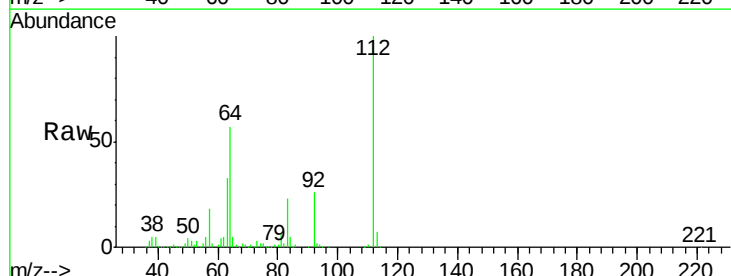
Tot Ion:152 Resp: 64883
Ion Ratio Lower Upper
152 100
150 154.6 122.4 183.6
115 61.8 44.2 66.4

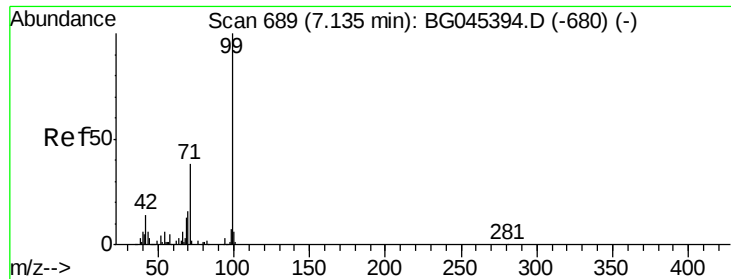


#5

2-Fluorophenol
Concen: 136.703 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Tgt Ion:112 Resp: 453855
Ion Ratio Lower Upper
112 100
64 57.0 48.6 72.8
63 33.0 26.5 39.7





#7

Phenol-d6

Concen: 139.705 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA_G

ClientSampleId :

PB129185BL

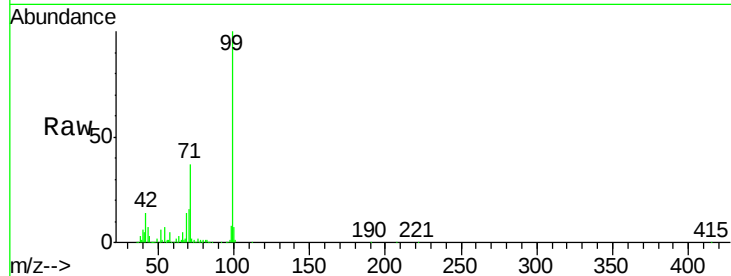
Tot Ion: 99 Resp: 660160

Ion Ratio Lower Upper

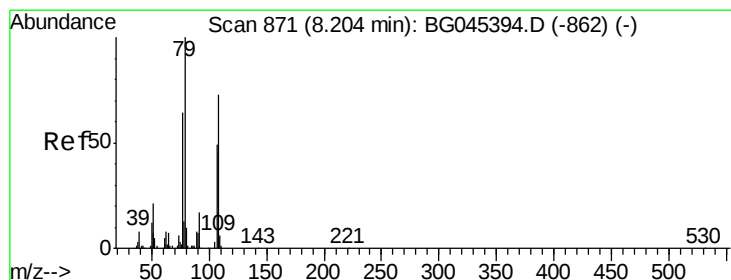
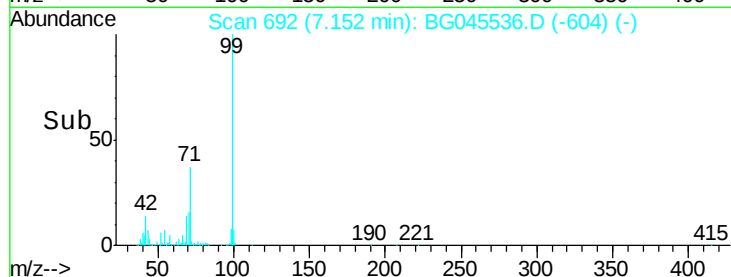
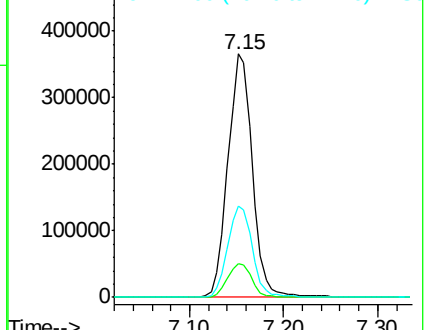
99 100

42 13.7 11.3 16.9

71 37.2 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: 2.170 ng

RT: 8.27 min Scan# 883

Delta R.T. 0.07 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

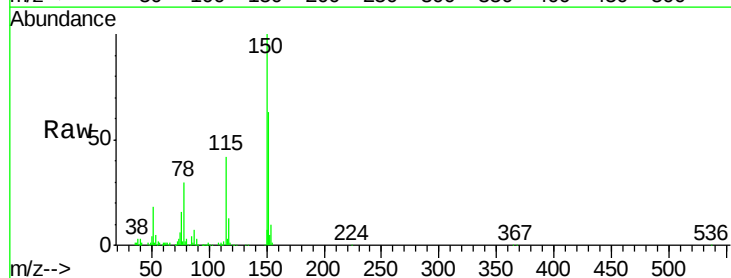
Tgt Ion: 79 Resp: 8471

Ion Ratio Lower Upper

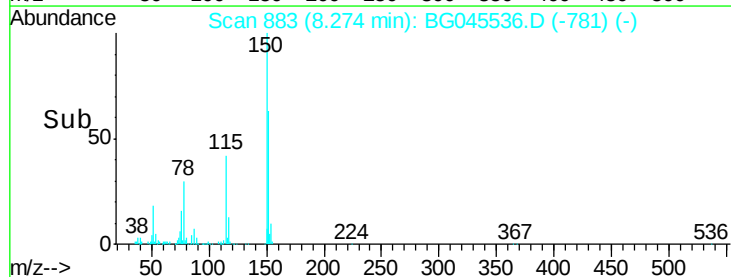
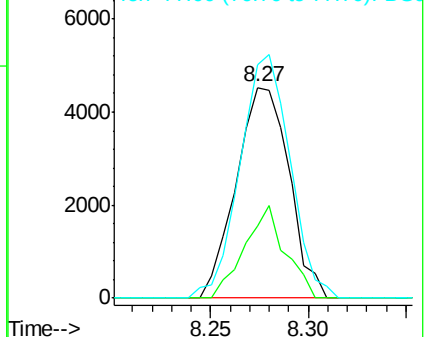
79 100

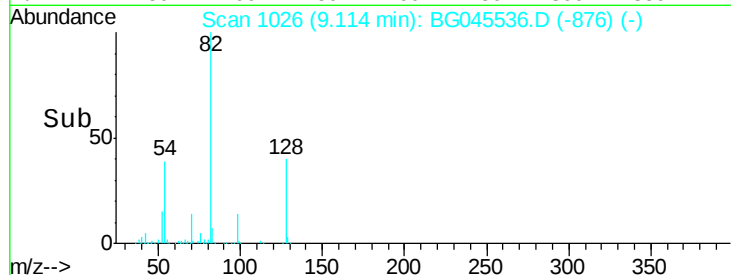
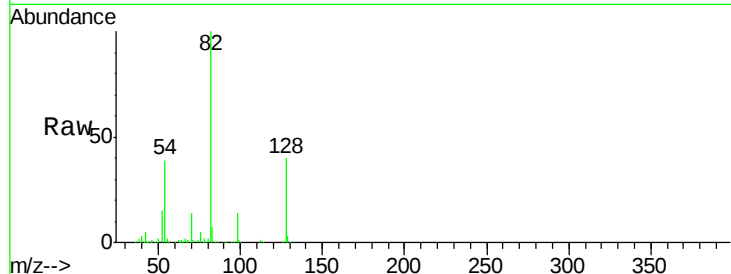
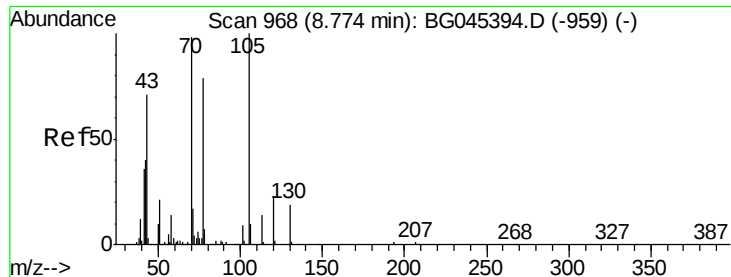
108 34.4 58.2 87.4#

77 110.9 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

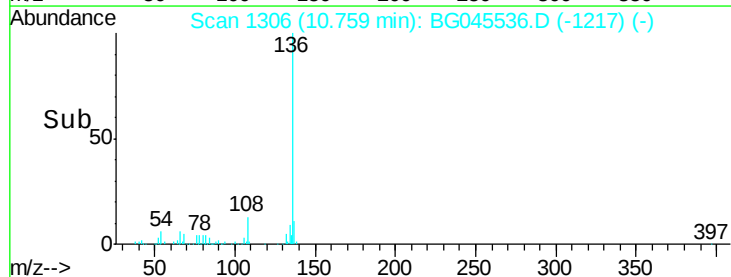
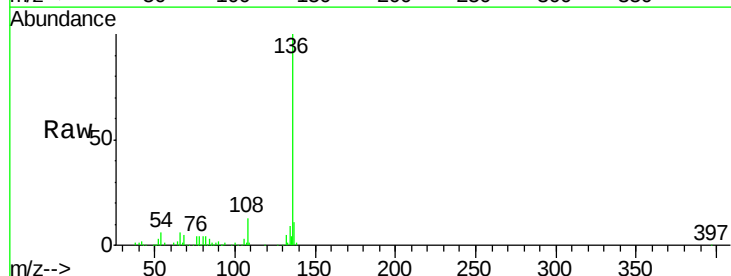
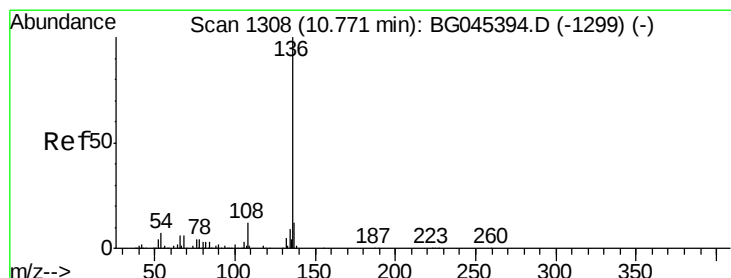
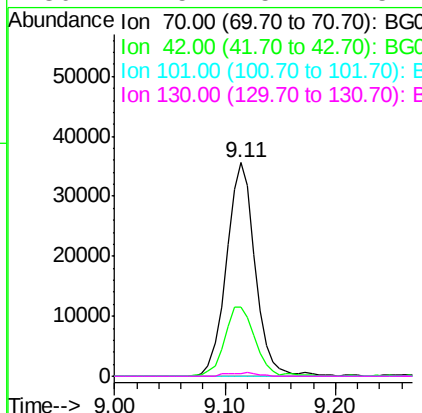




#19
n-Nitroso-di-n-propylamine
Concen: 19.773 ng
RT: 9.11 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

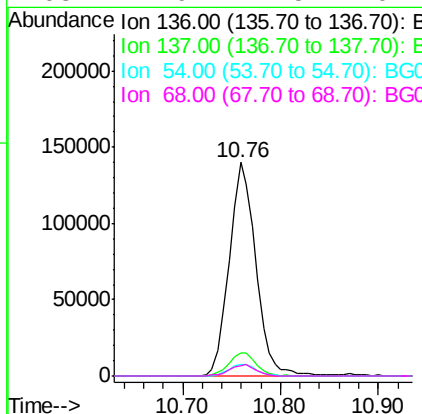
Instrument :
BNA_G
ClientSampleId :
PB129185BL

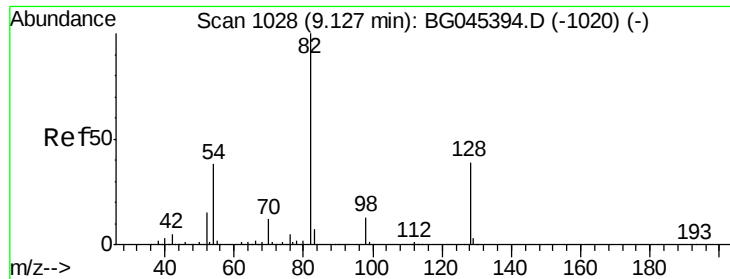
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	32.2	33.2	49.8#	
101	0.0	7.8	11.6#	
130	1.5	15.4	23.2#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.6	9.4	14.2	
54	5.7	5.8	8.6#	
68	4.9	4.5	6.7	

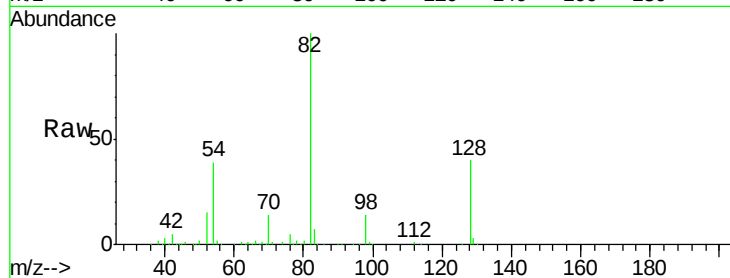




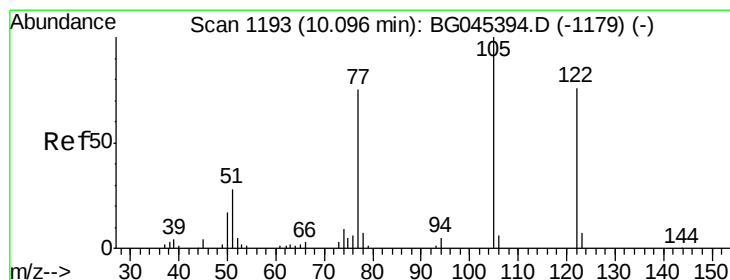
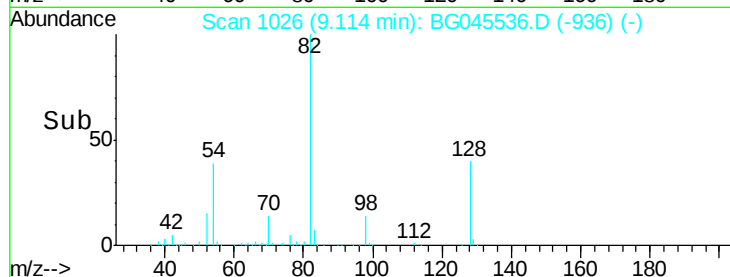
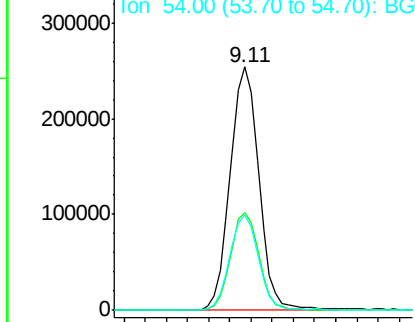
#23
Nitrobenzene-d5
Concen: 98.388 ng
RT: 9.11 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Instrument :
BNA_G
ClientSampleId :
PB129185BL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.9	46.3
54	39.1	30.3	45.5

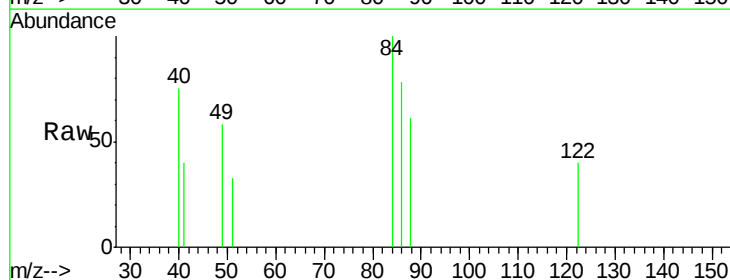


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

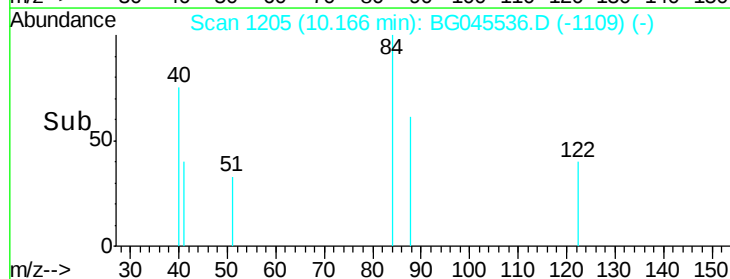
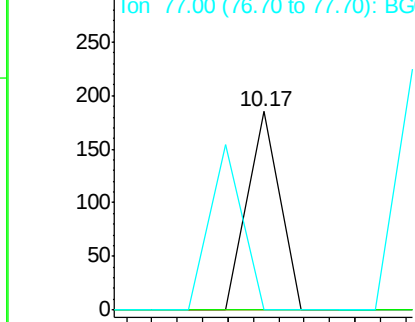


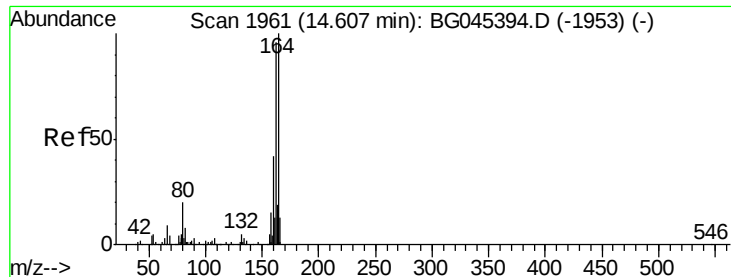
#32
Benzoic acid
Concen: 10.045 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.03 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.9	147.9#
77	0.0	78.9	118.9#



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: 14.59 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

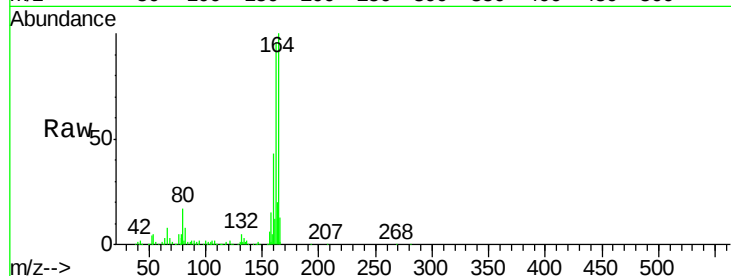
BNA_G

ClientSampleId :

PB129185BL

Tot Ion:164 Resp: 201030

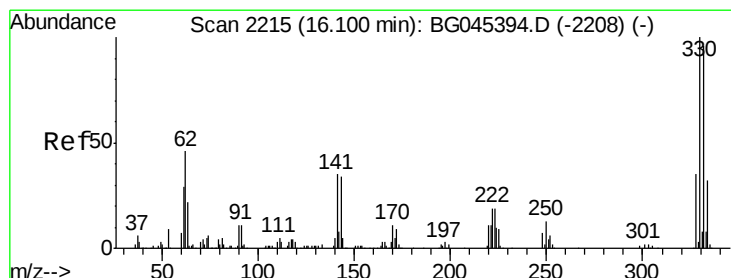
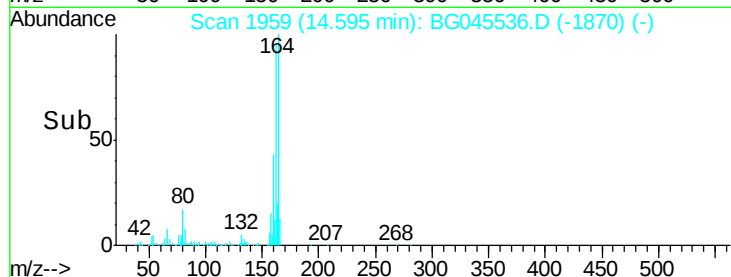
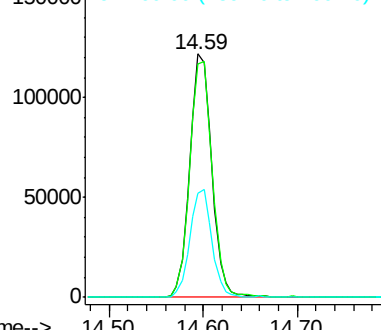
Ion	Ratio	Lower	Upper
164	100		
162	96.0	76.9	115.3
160	42.5	33.8	50.8



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: 150.953 ng

RT: 16.09 min Scan# 2214

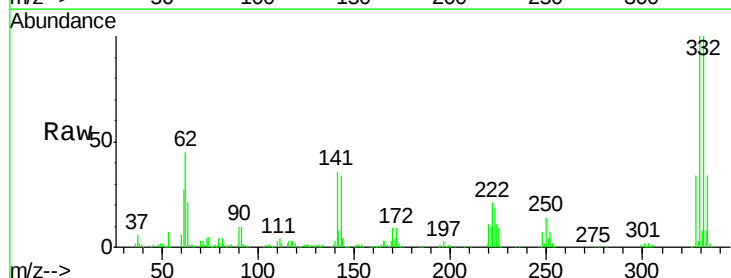
Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Tgt Ion:330 Resp: 388093

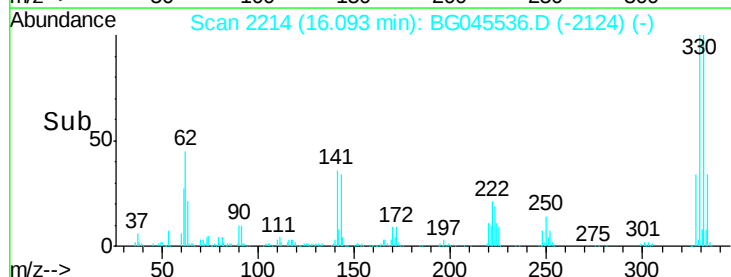
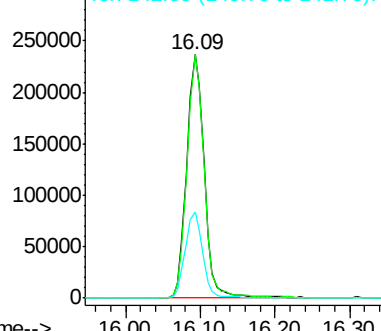
Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.4
141	34.5	28.2	42.4

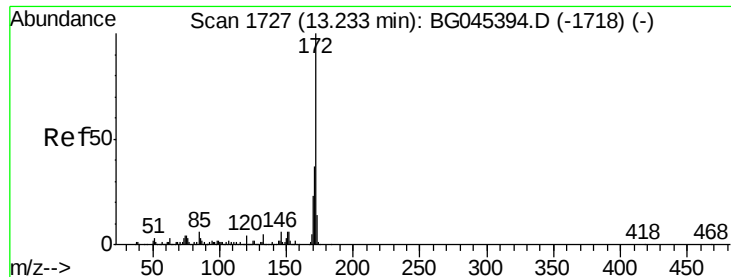


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

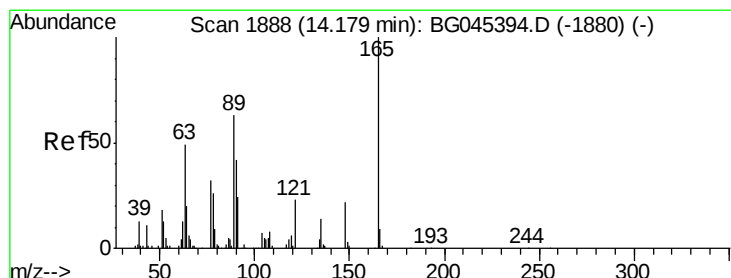
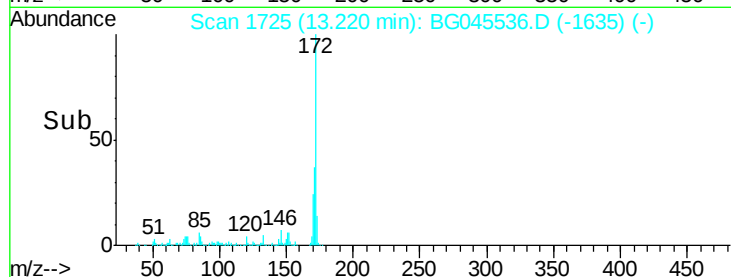
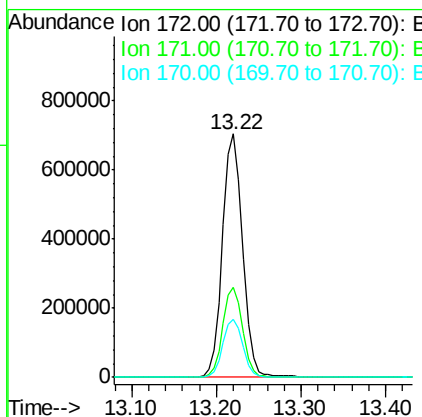
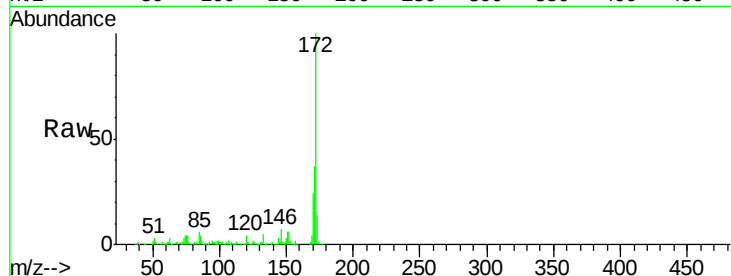




#45
2-Fluorobiphenyl
Concen: 98.439 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

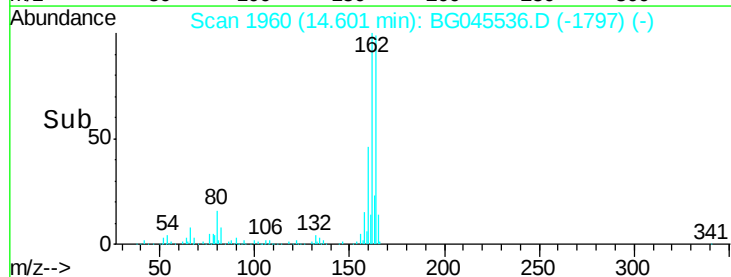
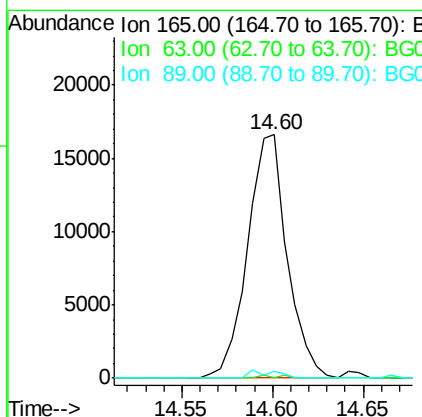
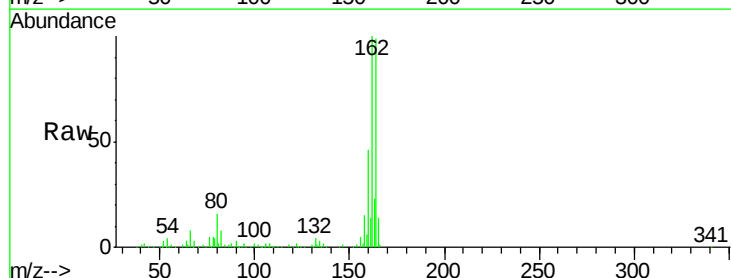
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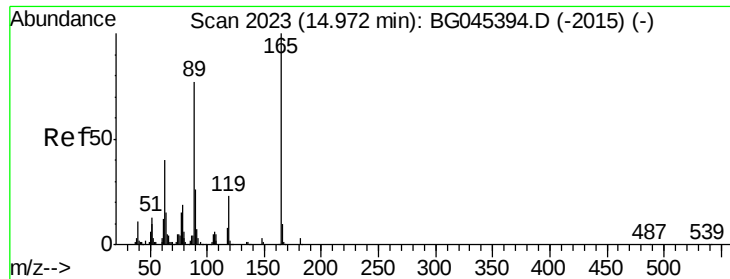
Tot Ion:172 Resp: 1166669
Ion Ratio Lower Upper
172 100
171 36.9 29.5 44.3
170 23.8 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.146 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.43 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Tgt Ion:165 Resp: 25348
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.4#
89 3.0 50.2 75.4#





#57

2,4-Dinitrotoluene

Concen: 5.624 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.37 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA_G

ClientSampleId :

PB129185BL

Tot Ion:165 Resp: 25348

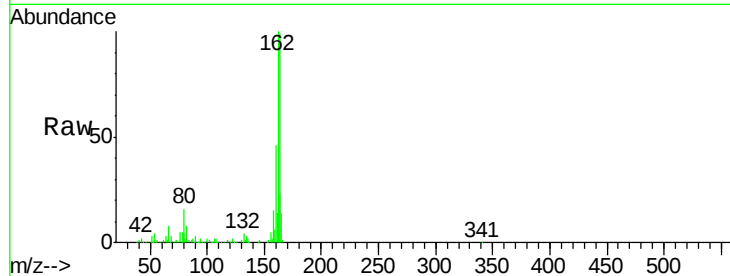
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 3.0 61.8 92.6#

182 0.0 2.3 3.5#

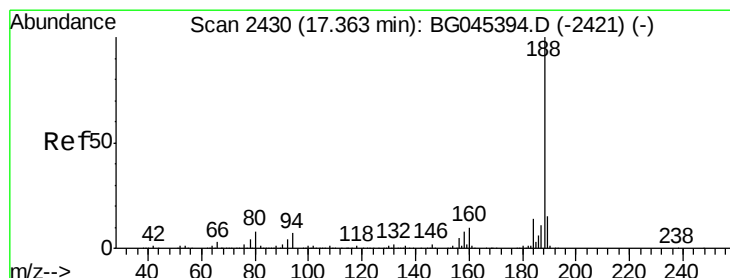
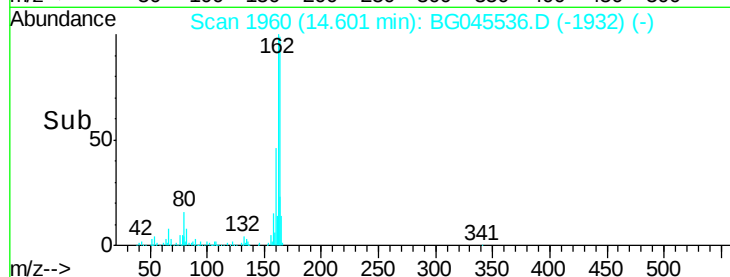
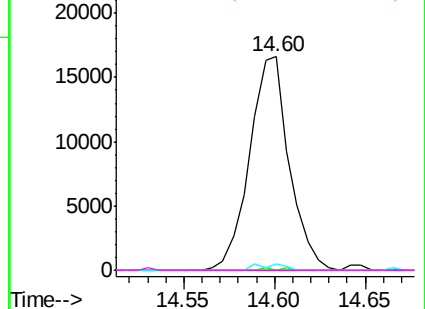


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2427

Delta R.T. -0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

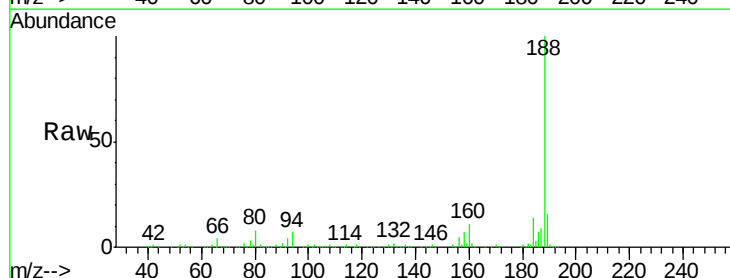
Tgt Ion:188 Resp: 474882

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

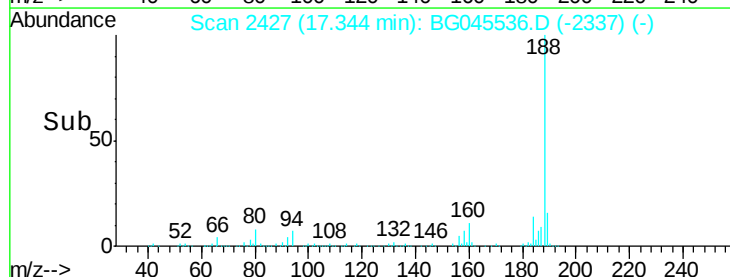
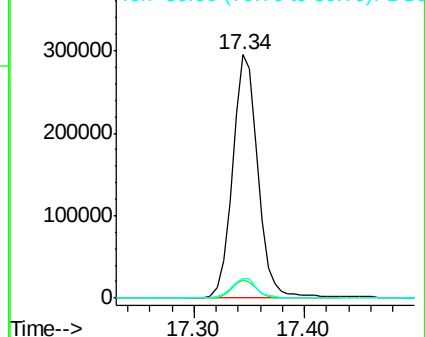
80 7.9 6.6 10.0

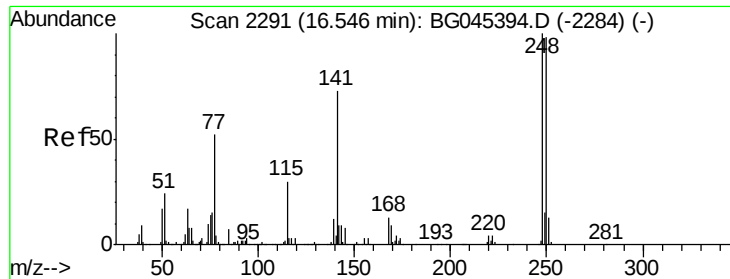


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

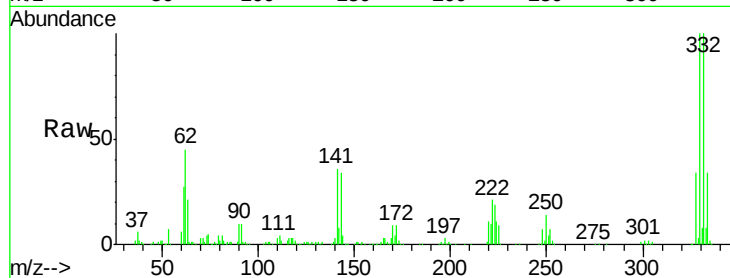




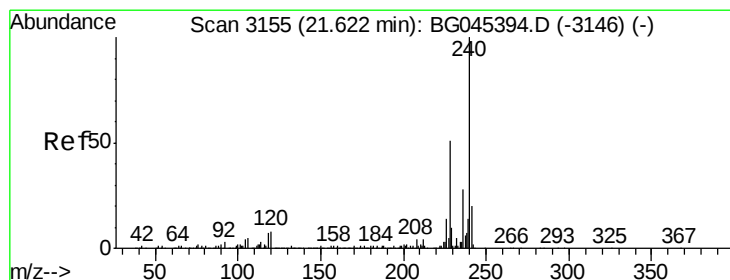
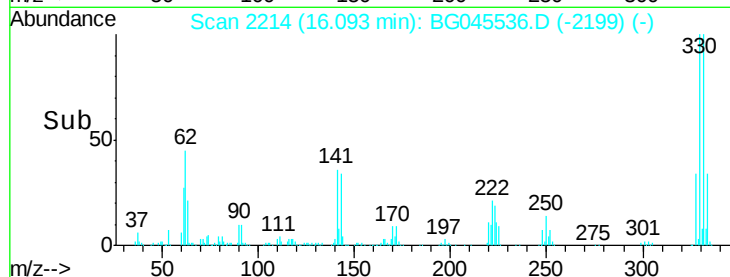
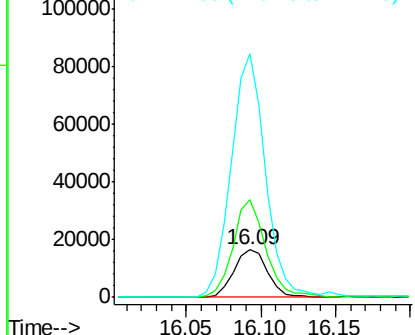
#67
4-Bromophenyl-phenylether
Concen: 5.117 ng
RT: 16.09 min Scan# 2214
Delta R.T. -0.44 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Instrument :
BNA_G
ClientSampled :
PB129185BL

Tot Ion:248 Resp: 26313
Ion Ratio Lower Upper
248 100
250 205.1 78.6 117.8#
141 513.6 58.2 87.2#

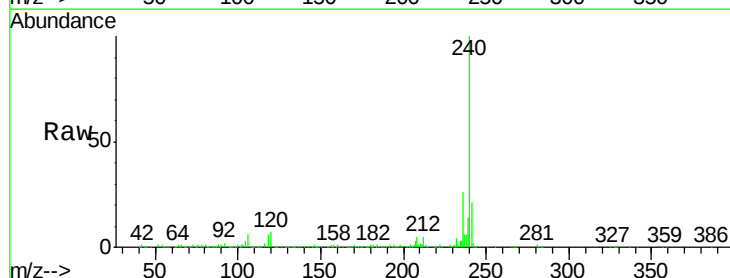


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

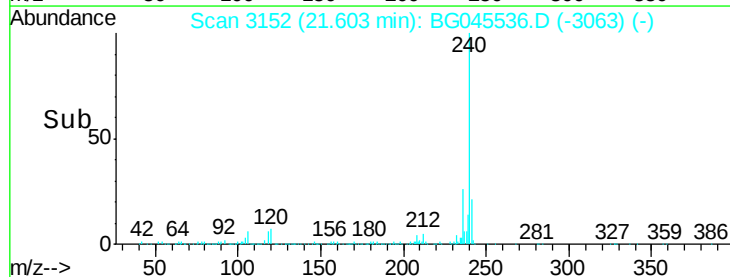
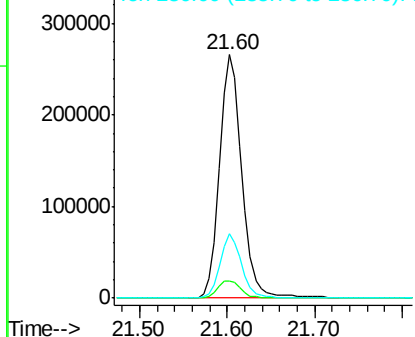


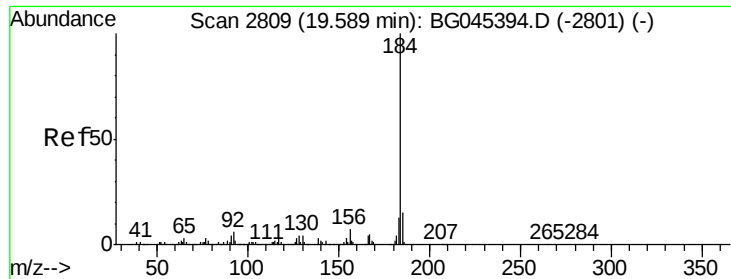
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045536.D
Acq: 30 May 2020 2:02

Tgt Ion:240 Resp: 468691
Ion Ratio Lower Upper
240 100
120 7.1 6.1 9.1
236 26.4 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: 2.916 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.37 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

Instrument :

BNA_G

ClientSampleId :

PB129185BL

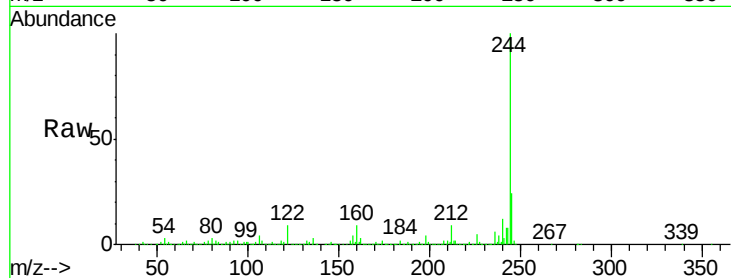
Tot Ion:184 Resp: 38390

Ion Ratio Lower Upper

184 100

185 14.7 11.7 17.5

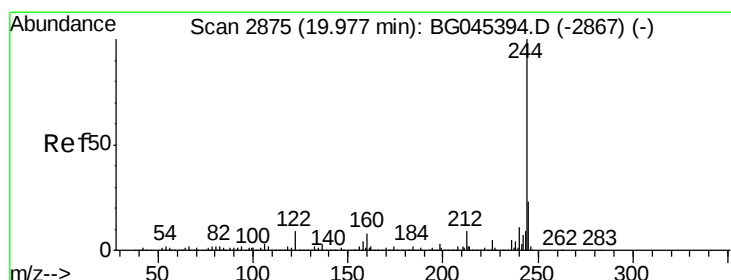
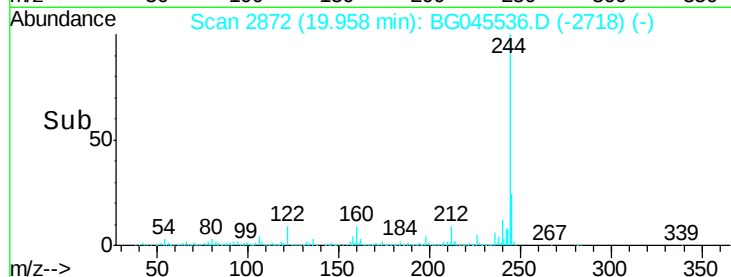
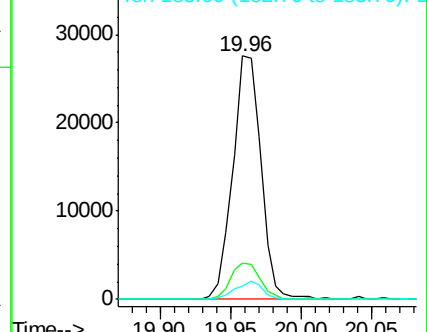
183 5.4 10.2 15.4#



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: 99.889 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045536.D

Acq: 30 May 2020 2:02

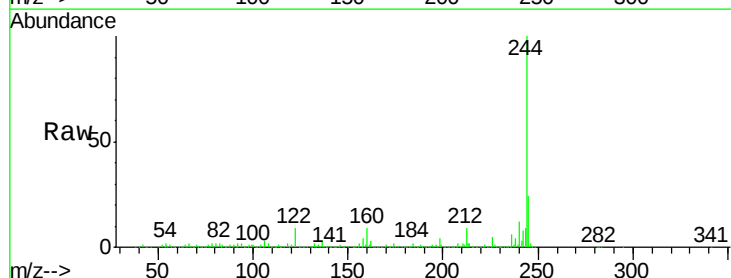
Tgt Ion:244 Resp: 2007342

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

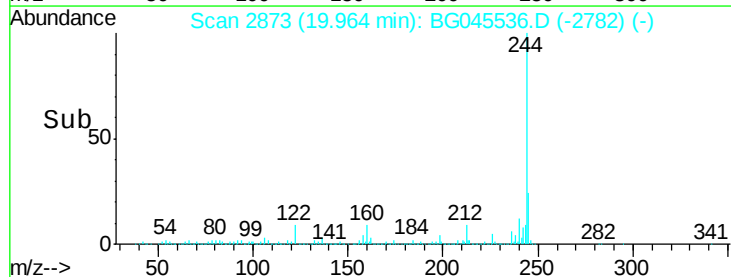
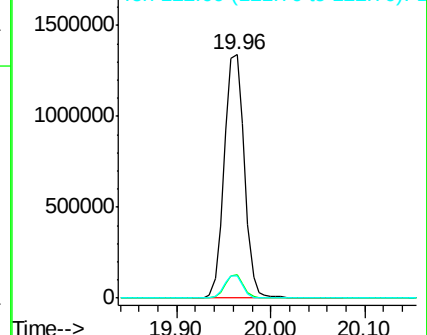
122 8.9 6.8 10.2

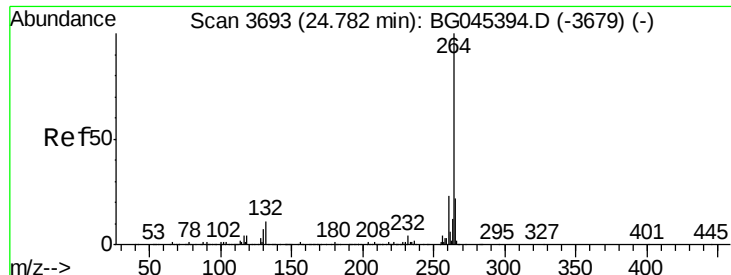


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

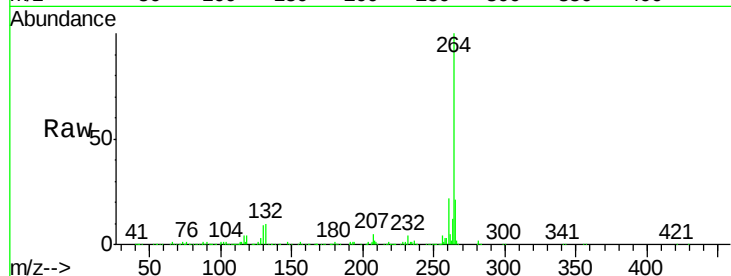




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3688
 Delta R.T. -0.00 min
 Lab File: BG045536.D
 Acq: 30 May 2020 2:02

Instrument :
 BNA_G
 ClientSampleId :
 PB129185BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.4
265	20.9	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

