

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045688.D
 Acq On : 10 Jun 2020 12:34
 Operator : CG/JU
 Sample : PB129414BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129414BL

Quant Time: Jun 10 18:32:43 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

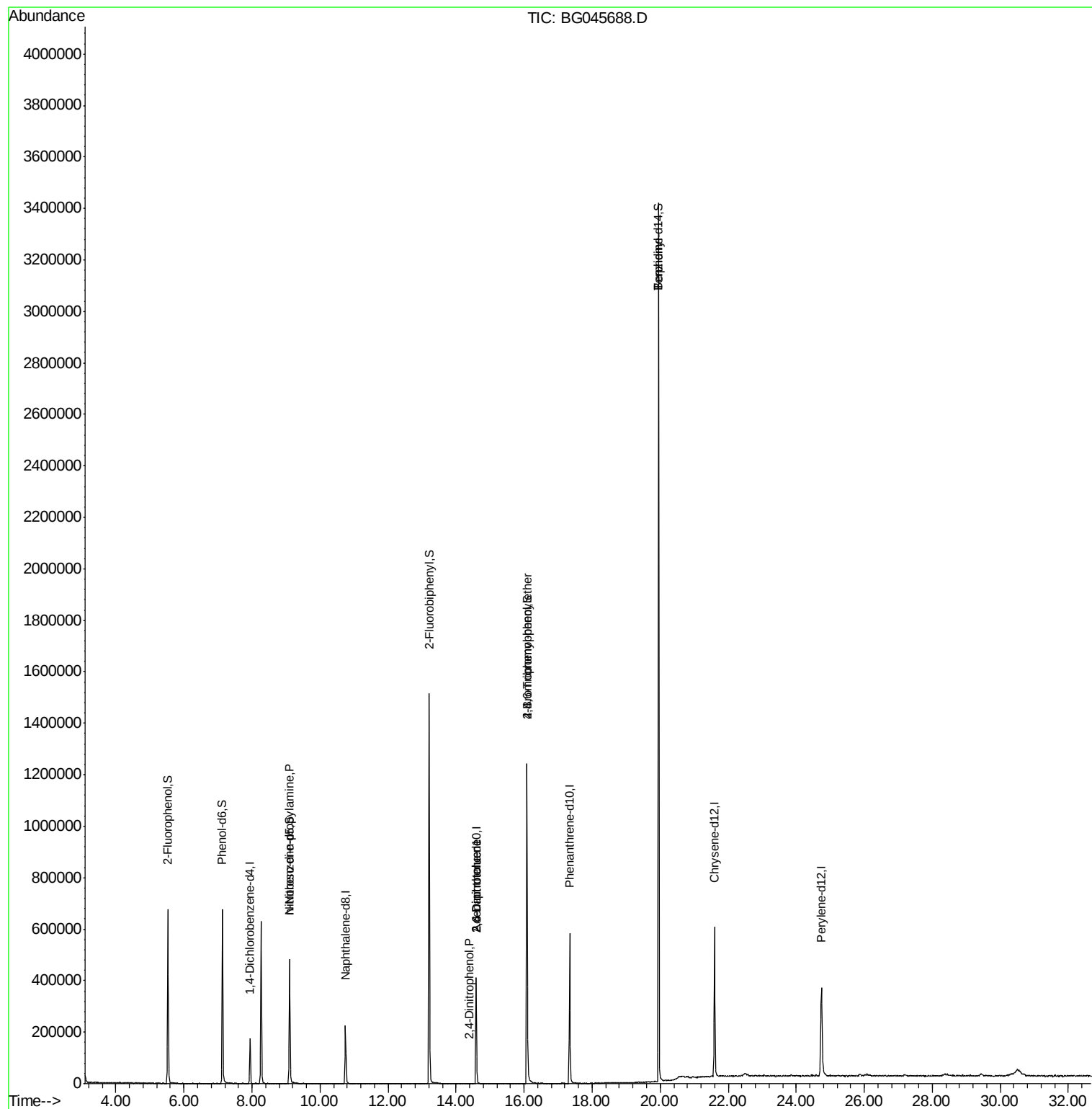
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	50214	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	211365	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	161588	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	420126	20.00	ng	0.00
76) Chrysene-d12	21.60	240	399271	20.00	ng	0.00
87) Perylene-d12	24.74	264	417569	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	321663	125.19	ng	-0.01
7) Phenol-d6	7.13	99	463169	126.65	ng	-0.02
23) Nitrobenzene-d5	9.10	82	347606	89.68	ng	-0.01
42) 2,4,6-Tribromophenol	16.08	330	275857	133.49	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	855262	89.78	ng	0.00
79) Terphenyl-d14	19.95	244	1672024	97.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	47584	18.816	ng	# 81
51) 2,6-Dinitrotoluene	14.59	165	21765	8.702	ng	# 22
54) 2,4-Dinitrophenol	14.38	184	53	5.489	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	21765	6.008	ng	# 22
67) 4-Bromophenyl-phenylether	16.08	248	18857	4.145	ng	# 1
77) Benzidine	19.95	184	32005	2.854	ng	# 91

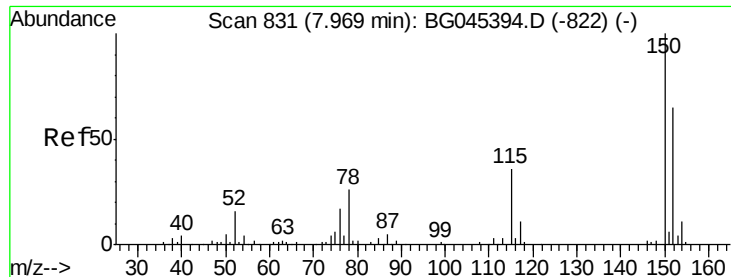
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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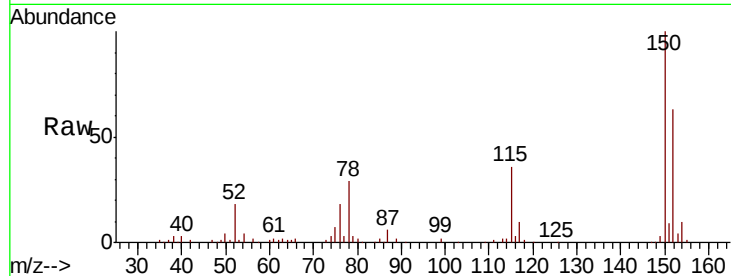


#1

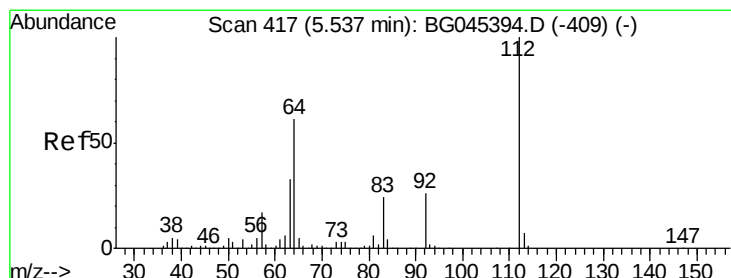
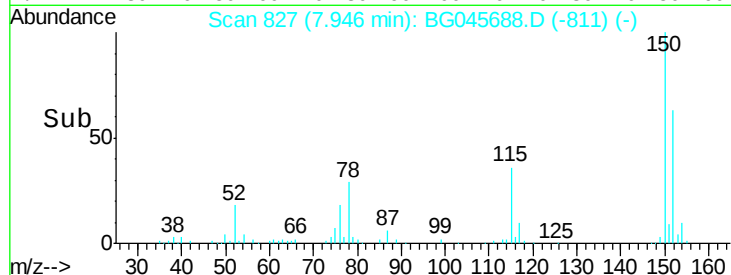
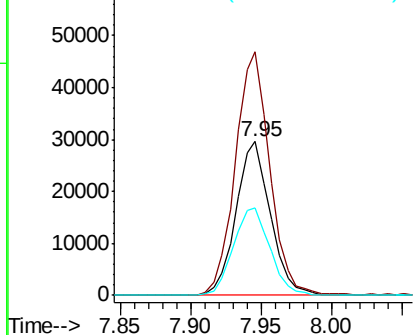
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Instrument :
BNA_G
ClientSampleId :
PB129414BL

Tot Ion:152 Resp: 50214
Ion Ratio Lower Upper
152 100
150 158.4 122.4 183.6
115 56.5 44.2 66.4



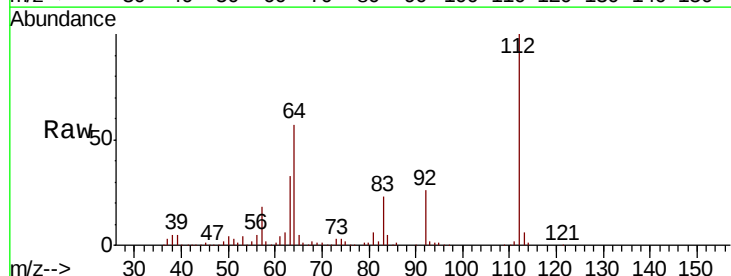
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



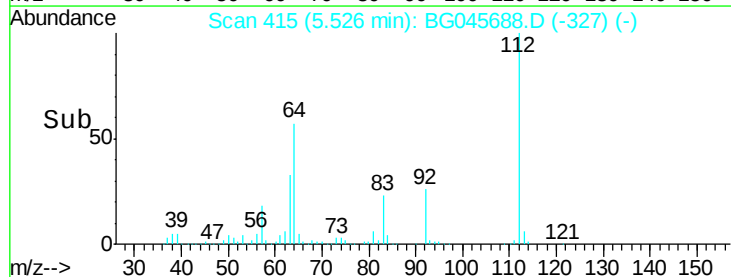
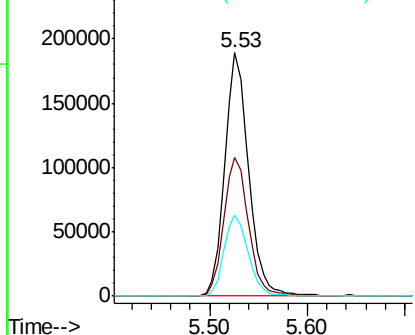
#5

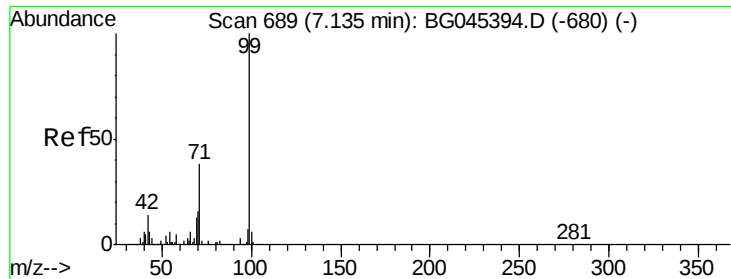
2-Fluorophenol
Concen: 125.189 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Tgt Ion:112 Resp: 321663
Ion Ratio Lower Upper
112 100
64 57.2 48.6 72.8
63 33.2 26.5 39.7



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





#7

Phenol-d6

Concen: 126.651 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

Instrument :

BNA_G

ClientSampleId :

PB129414BL

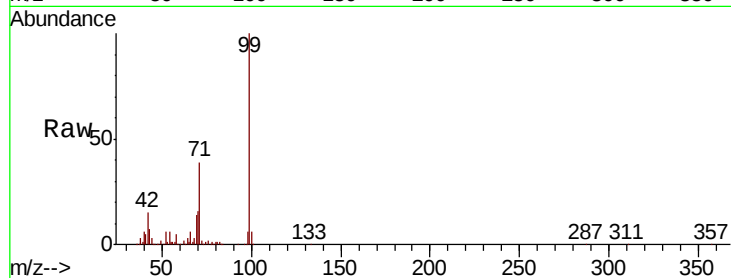
Tot Ion: 99 Resp: 463169

Ion Ratio Lower Upper

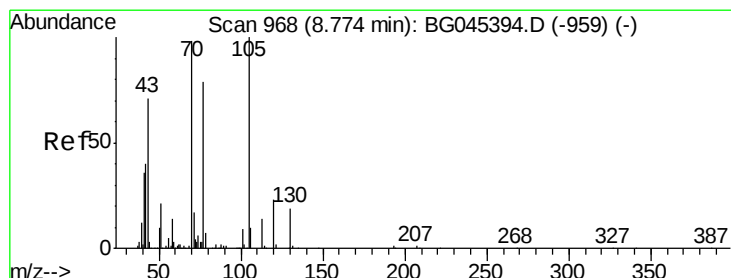
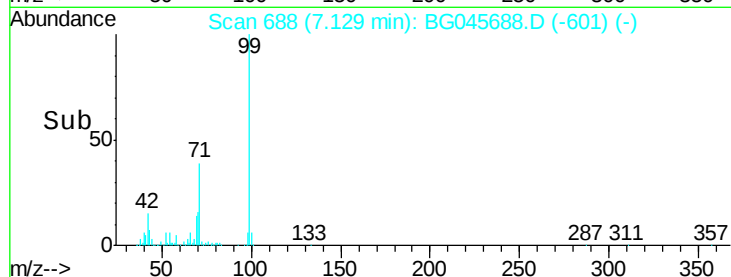
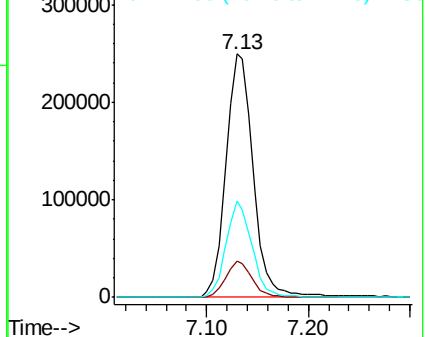
99 100

42 14.8 11.3 16.9

71 39.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.816 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

Tgt Ion: 70 Resp: 47584

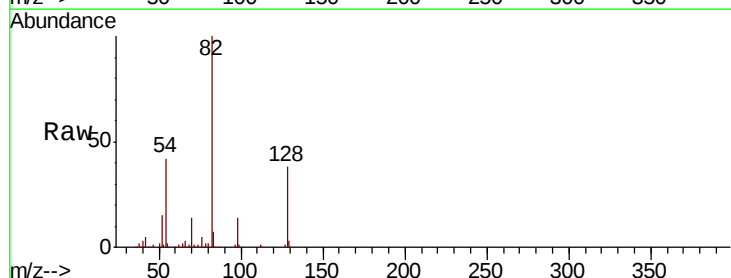
Ion Ratio Lower Upper

70 100

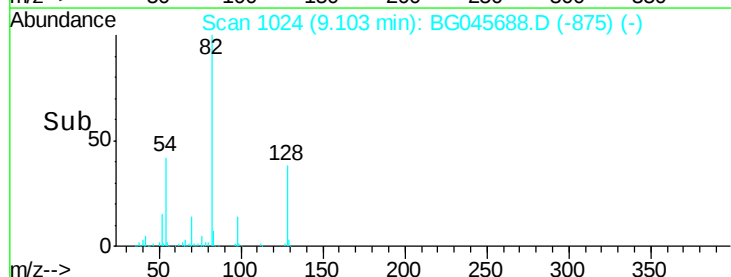
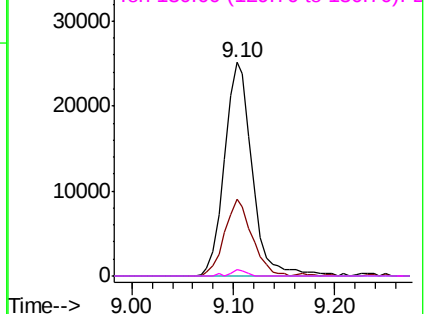
42 35.8 33.2 49.8

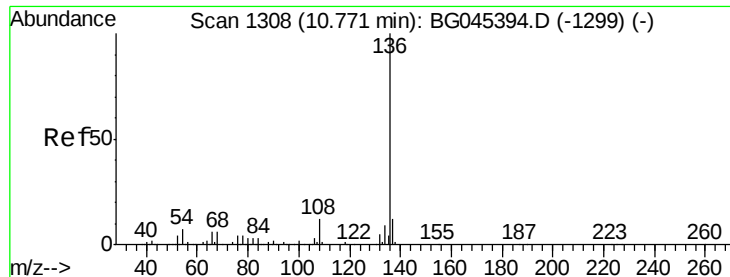
101 0.0 7.8 11.6#

130 3.1 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

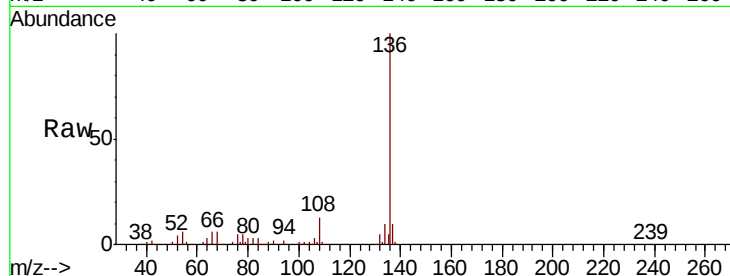




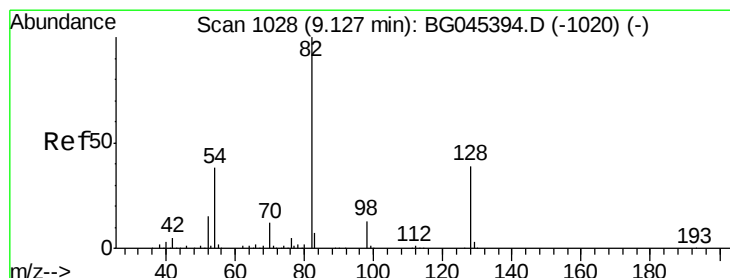
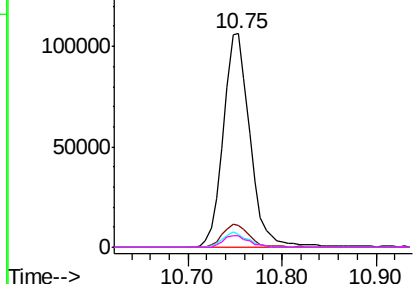
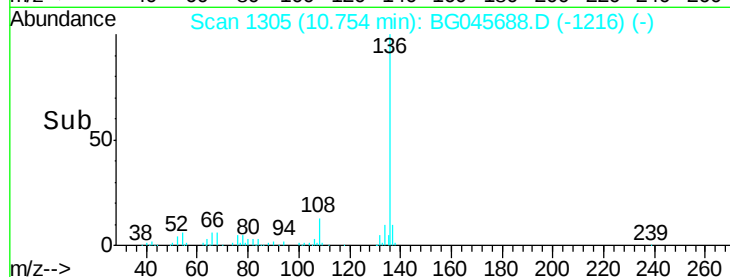
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Instrument :
BNA_G
ClientSampleId :
PB129414BL

Tot Ion:136	Resp:	211365
Ion Ratio	Lower	Upper
136 100		
137 10.0	9.4	14.2
54 5.9	5.8	8.6
68 5.5	4.5	6.7

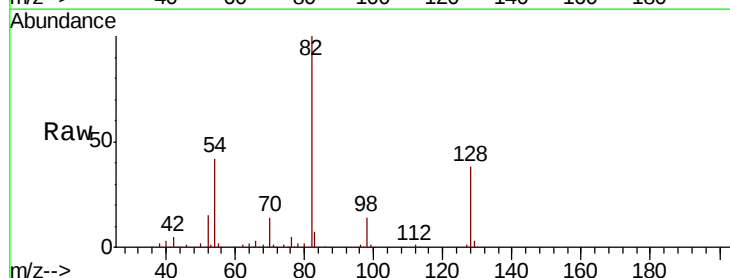


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

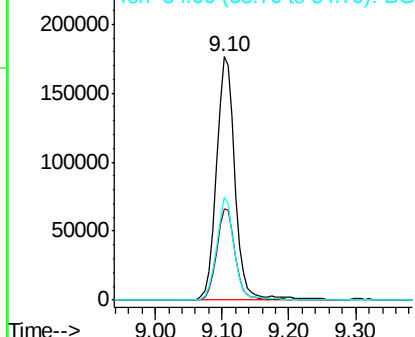
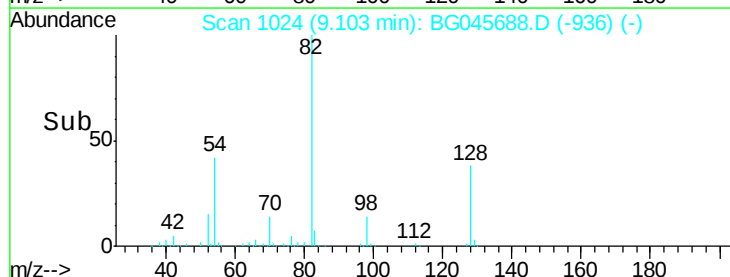


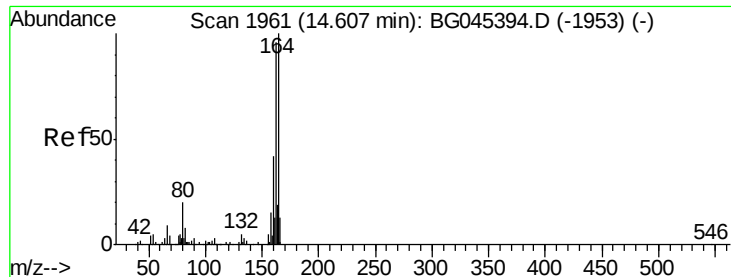
#23
Nitrobenzene-d5
Concen: 89.681 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Tgt Ion: 82	Resp: 347606
Ion Ratio	Lower Upper
82 100	
128 37.6	30.9 46.3
54 42.2	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: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

Instrument :

BNA_G

ClientSampleId :

PB129414BL

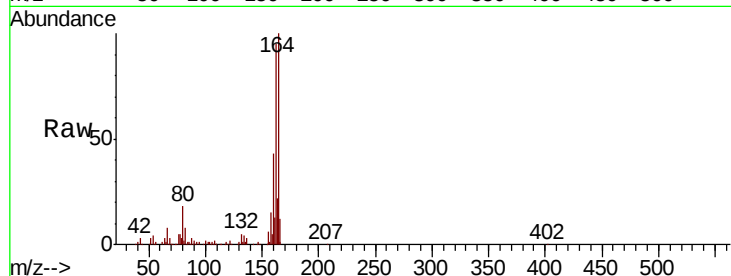
Tot Ion:164 Resp: 161588

Ion Ratio Lower Upper

164 100

162 95.3 76.9 115.3

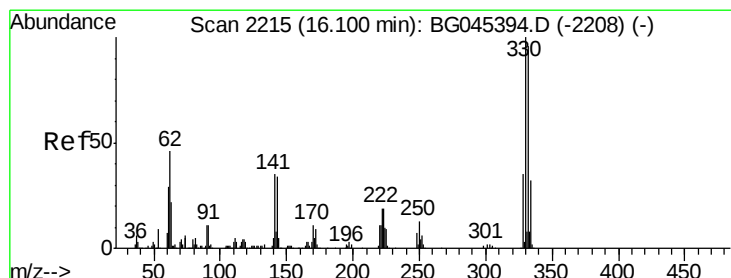
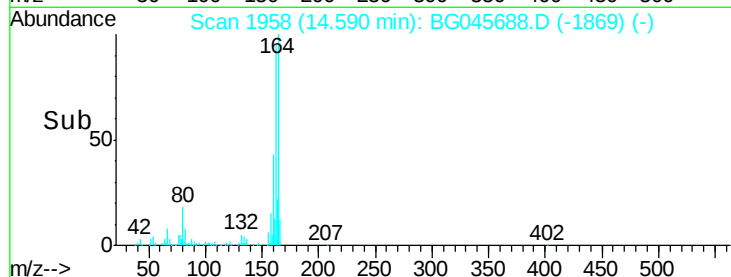
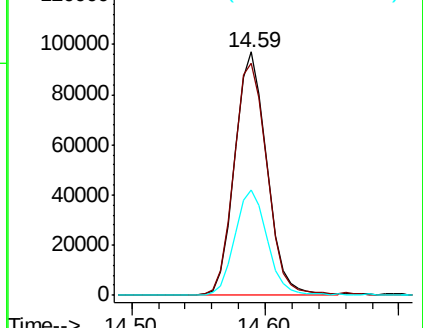
160 43.1 33.8 50.8



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: 133.488 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

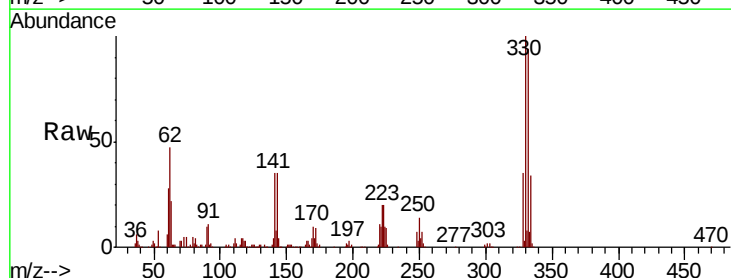
Tgt Ion:330 Resp: 275857

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.4

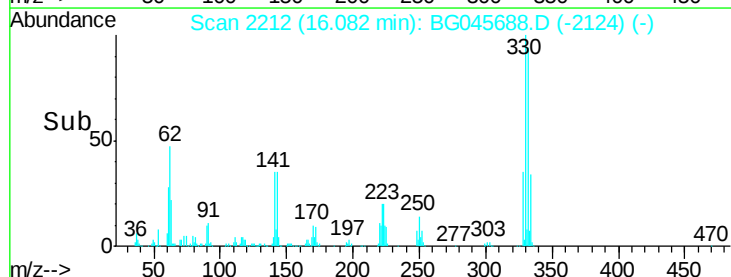
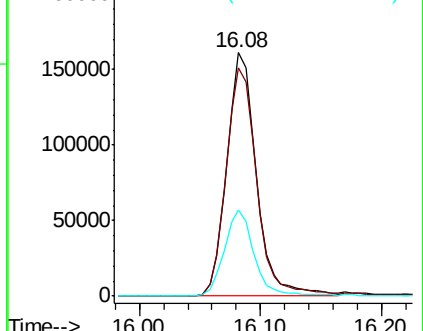
141 35.3 28.2 42.4

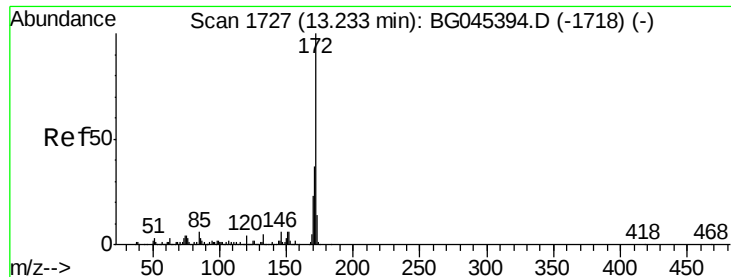


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

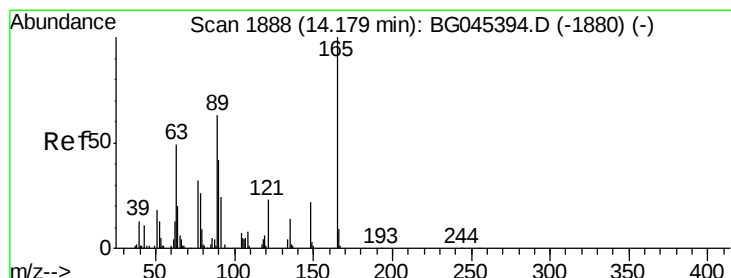
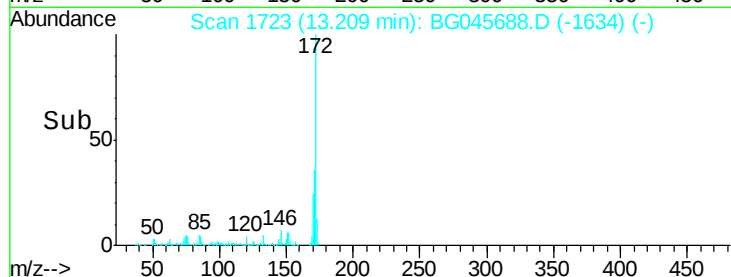
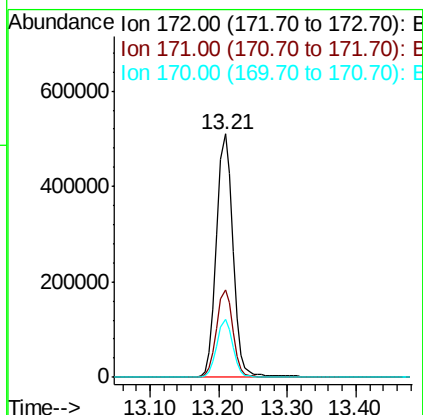
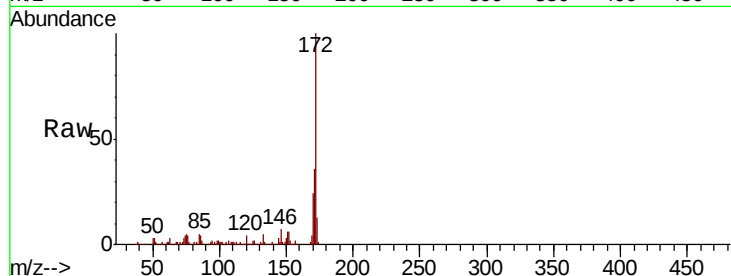




#45
2-Fluorobiphenyl
Concen: 89.778 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

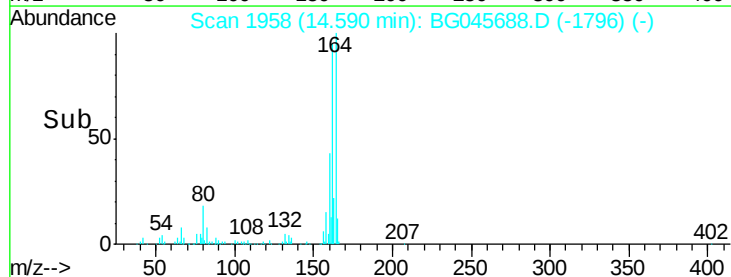
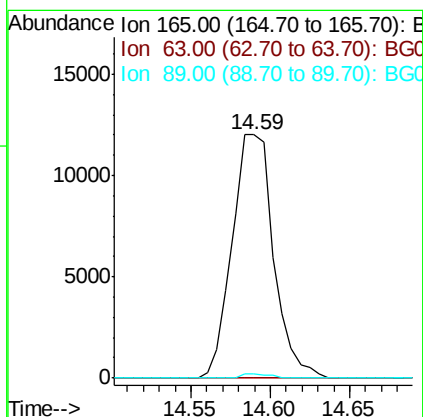
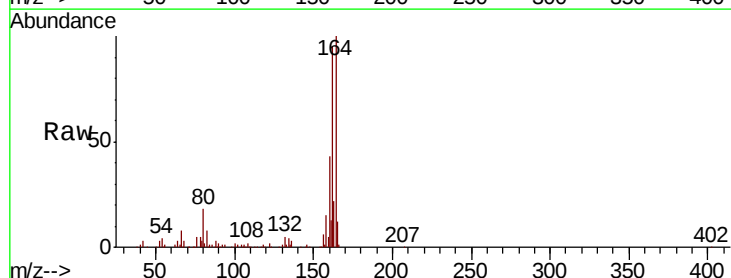
Instrument :
BNA_G
ClientSampleId :
PB129414BL

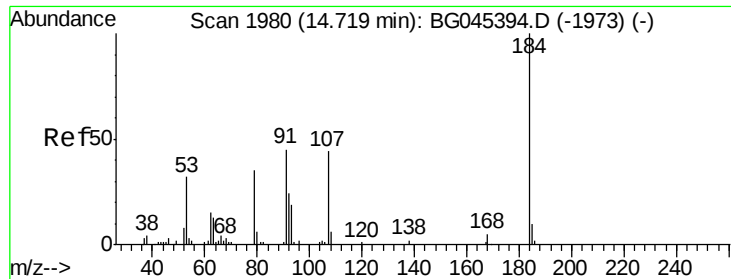
Tot Ion:172 Resp: 855262
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 23.8 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.702 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.42 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Tgt Ion:165 Resp: 21765
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.4#
89 1.7 50.2 75.4#

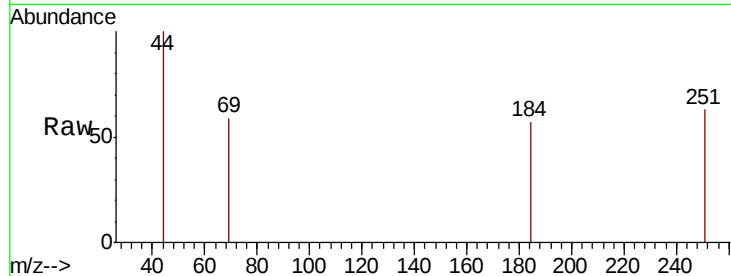




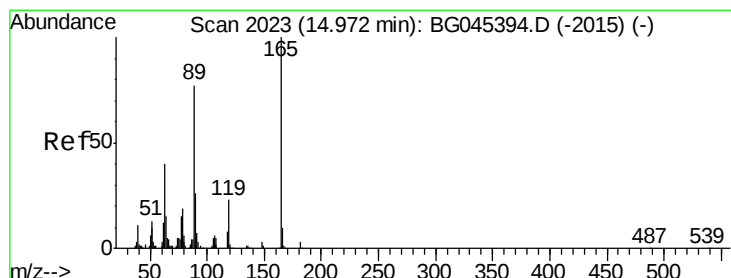
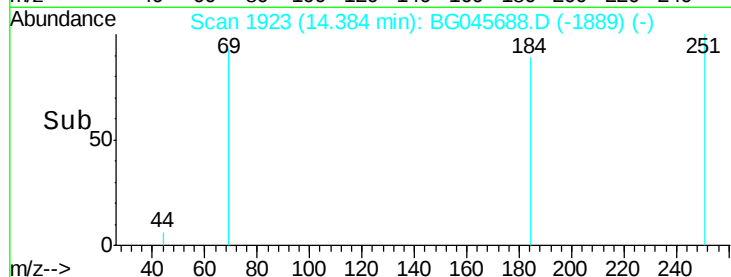
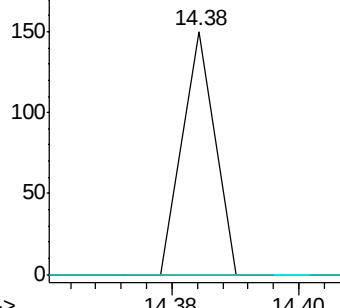
#54
 2,4-Dinitrophenol
 Concen: 5.489 ng
 RT: 14.38 min Scan# 1923
 Delta R.T. -0.33 min
 Lab File: BG045688.D
 Acq: 10 Jun 2020 12:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129414BL

Tot Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#

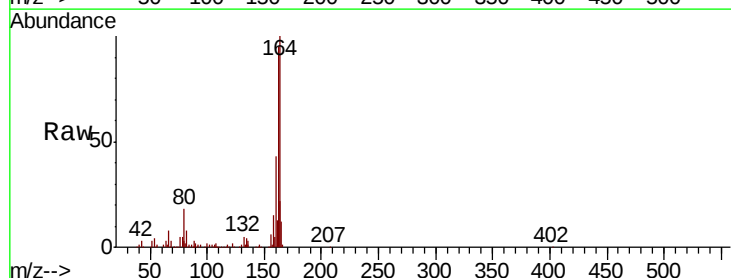


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

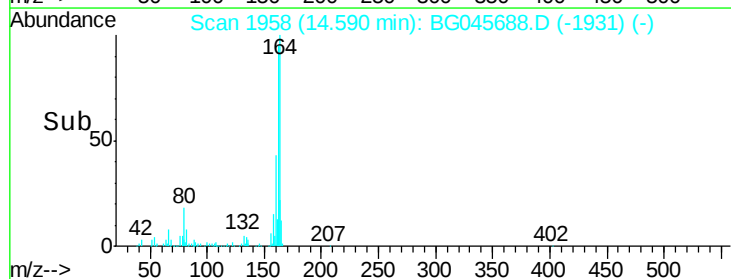
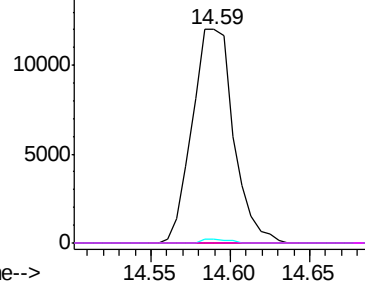


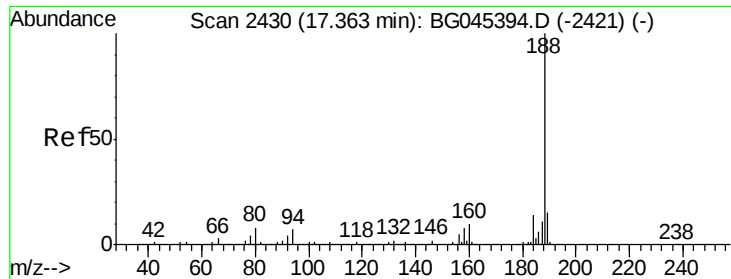
#57
 2,4-Dinitrotoluene
 Concen: 6.008 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.37 min
 Lab File: BG045688.D
 Acq: 10 Jun 2020 12:34

Tgt Ion:165 Resp: 21765
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.5 48.7#
 89 1.7 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: BG045688.D

Acq: 10 Jun 2020 12:34

Instrument :

BNA_G

ClientSampleId :

PB129414BL

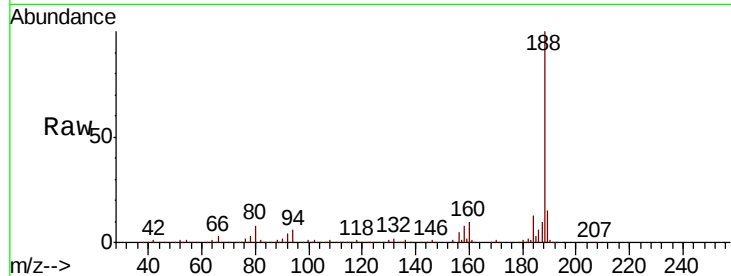
Tot Ion:188 Resp: 420126

Ion Ratio Lower Upper

188 100

94 6.4 5.5 8.3

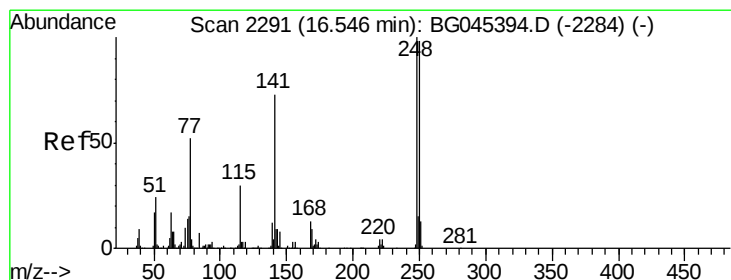
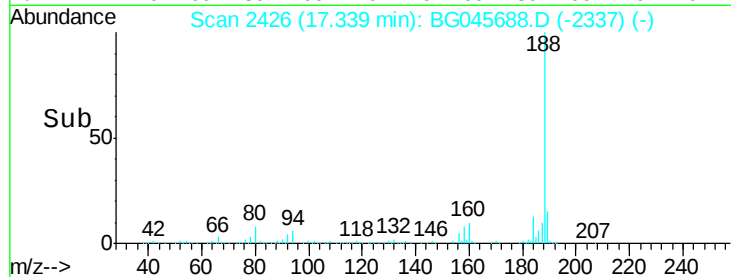
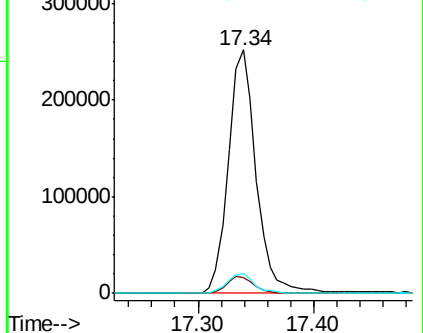
80 7.9 6.6 10.0



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: 4.145 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

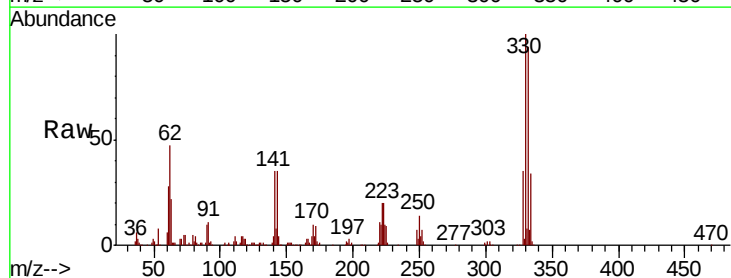
Tgt Ion:248 Resp: 18857

Ion Ratio Lower Upper

248 100

250 203.7 78.6 117.8#

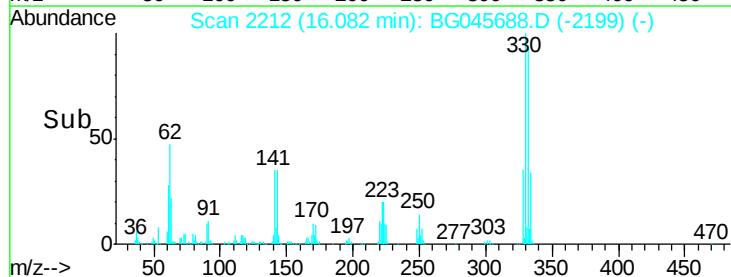
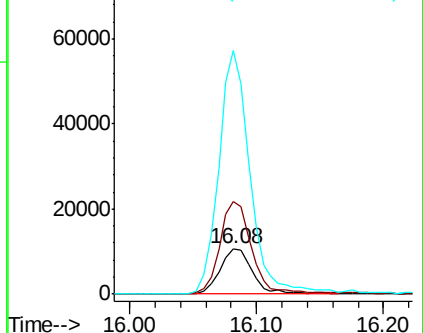
141 533.0 58.2 87.2#

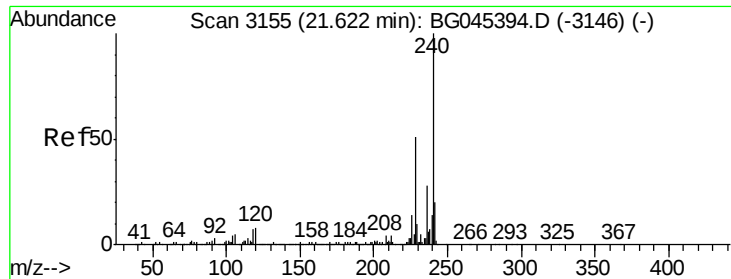


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

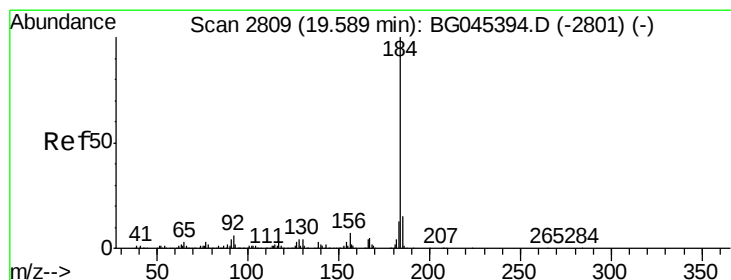
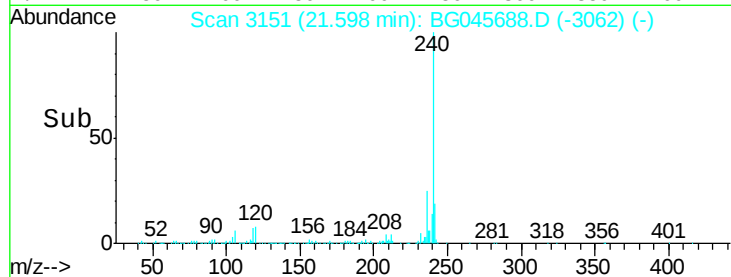
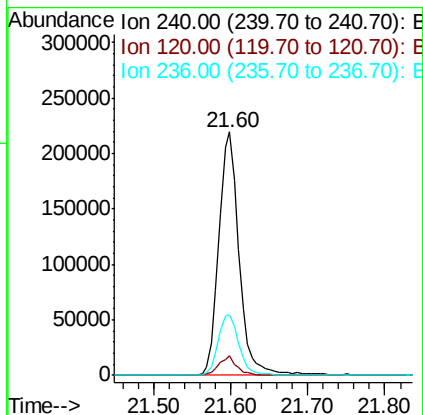
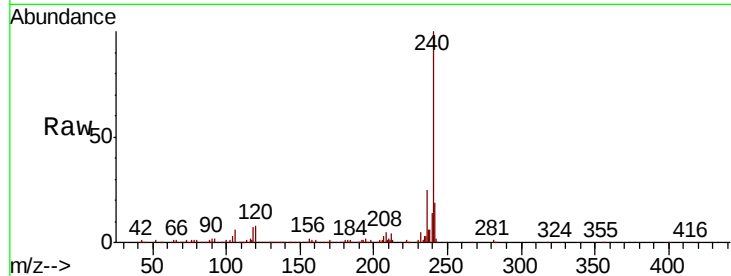




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.01 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

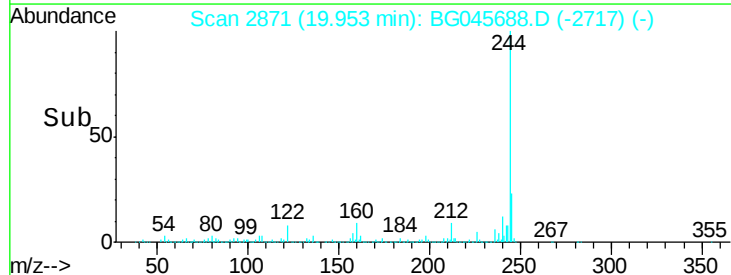
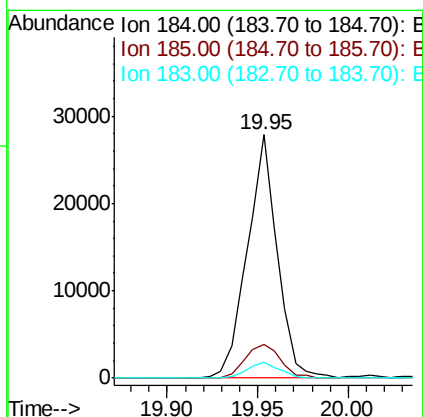
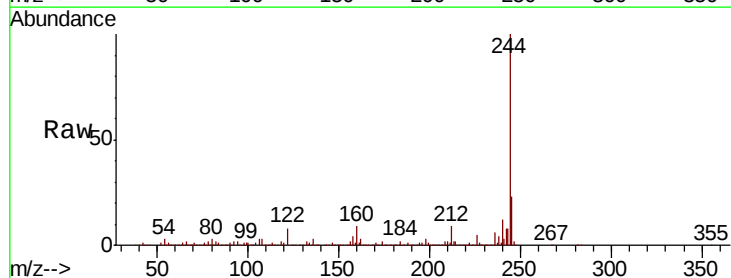
Instrument :
BNA_G
ClientSampleId :
PB129414BL

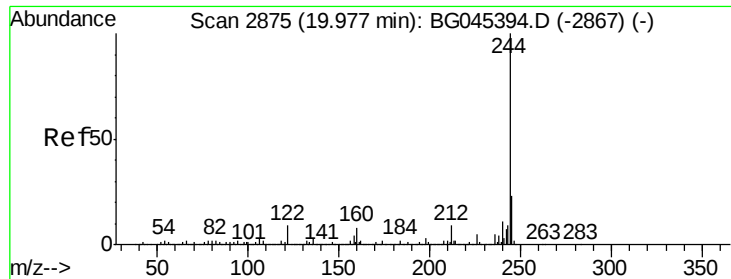
Tot Ion:240 Resp: 399271
Ion Ratio Lower Upper
240 100
120 7.8 6.1 9.1
236 24.7 22.3 33.5



#77
Benzidine
Concen: 2.854 ng
RT: 19.95 min Scan# 2871
Delta R.T. 0.38 min
Lab File: BG045688.D
Acq: 10 Jun 2020 12:34

Tgt Ion:184 Resp: 32005
Ion Ratio Lower Upper
184 100
185 13.6 11.7 17.5
183 6.3 10.2 15.4#





#79

Terphenyl-d14

Concen: 97.669 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

Instrument :

BNA_G

ClientSampleId :

PB129414BL

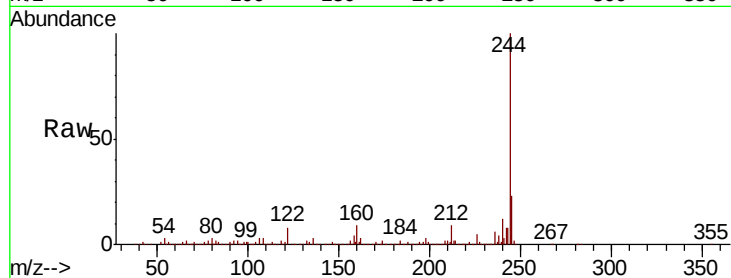
Tot Ion:244 Resp: 1672024

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

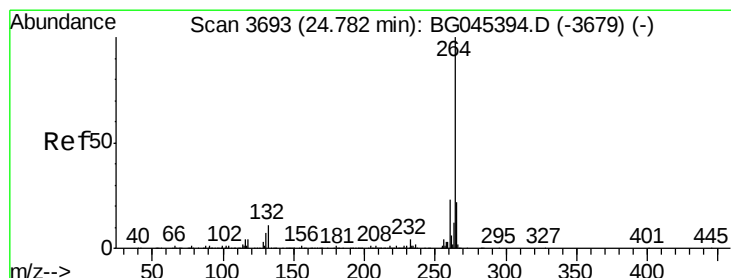
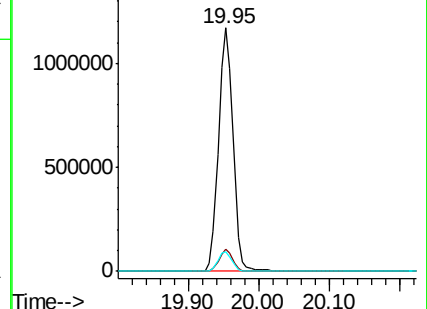
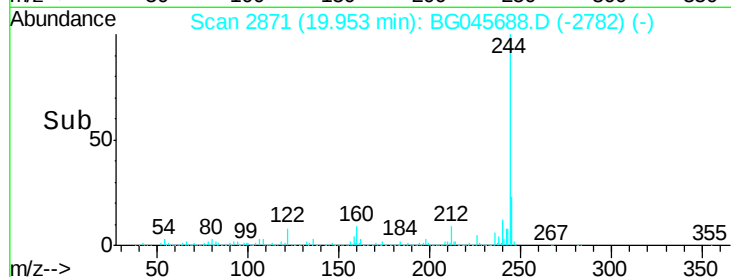
122 8.1 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.74 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG045688.D

Acq: 10 Jun 2020 12:34

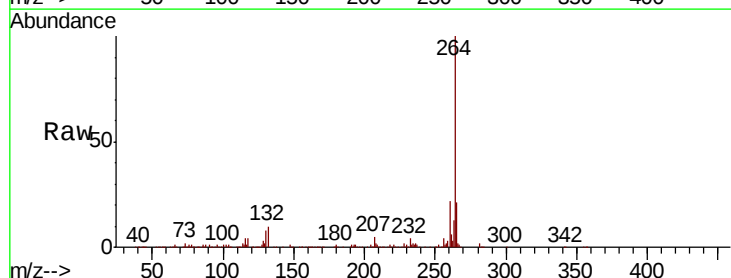
Tgt Ion:264 Resp: 417569

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 21.0 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

