

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045696.D
 Acq On : 10 Jun 2020 17:54
 Operator : CG/JU
 Sample : L2946-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PURGE

Quant Time: Jun 10 18:33:25 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

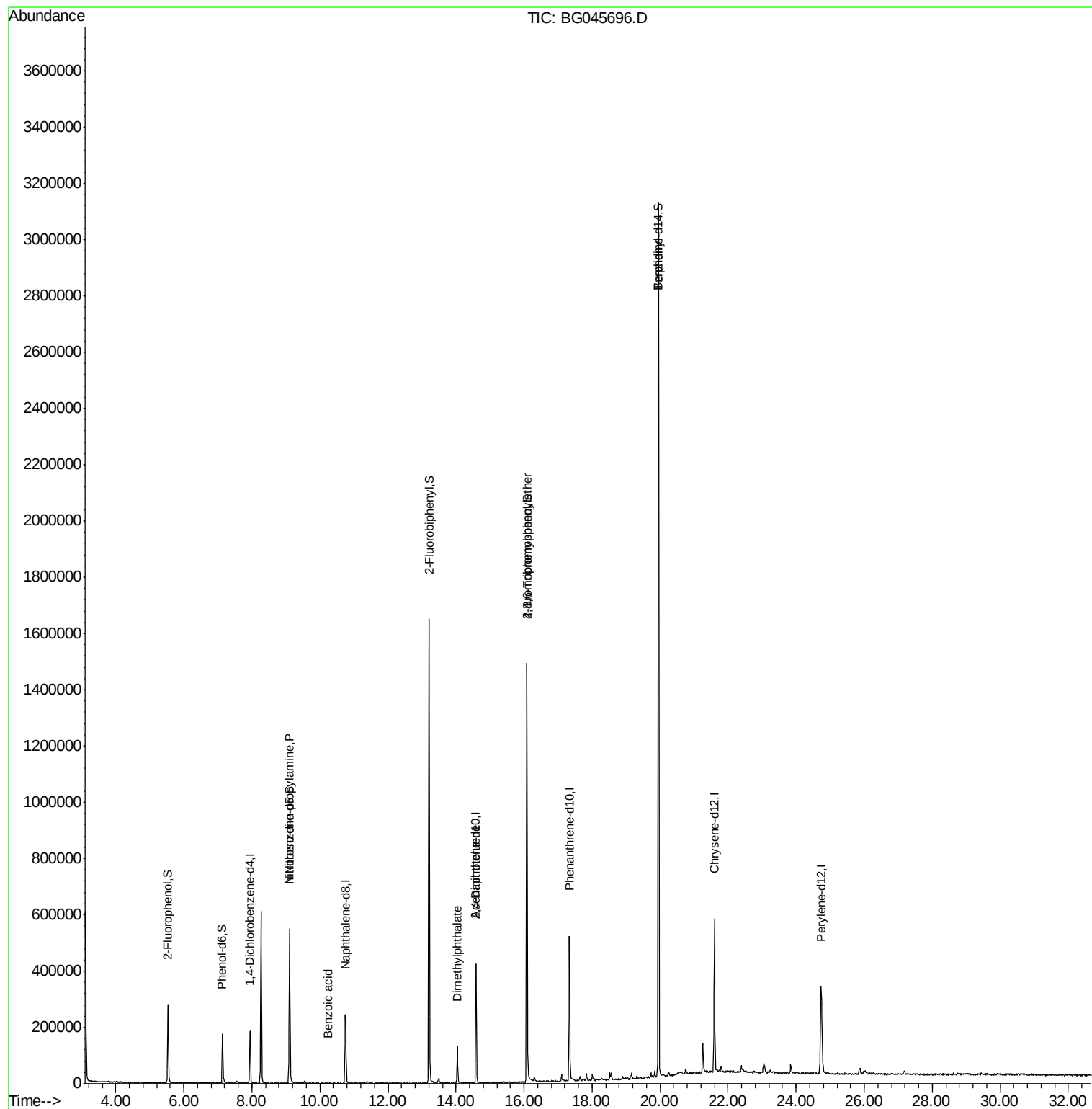
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	55517	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	228901	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	161358	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	350130	20.00	ng	0.00
76) Chrysene-d12	21.59	240	334475	20.00	ng	0.00
87) Perylene-d12	24.74	264	363745	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	141605	49.85	ng	0.00
7) Phenol-d6	7.13	99	124066	30.68	ng	-0.01
23) Nitrobenzene-d5	9.11	82	380225	90.58	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	303393	147.02	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	902638	94.89	ng	0.00
79) Terphenyl-d14	19.96	244	1559430	108.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	51822	18.535	ng	# 79
32) Benzoic acid	10.25	122	55	10.045	ng	# 1
50) Dimethylphthalate	14.04	163	91877	8.300	ng	98
57) 2,4-Dinitrotoluene	14.59	165	22003	6.083	ng	# 22
67) 4-Bromophenyl-phenylether	16.08	248	19029	5.019	ng	# 1
77) Benzidine	19.96	184	30088	3.203	ng	# 92

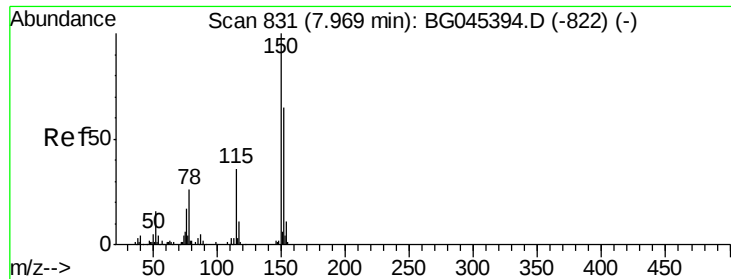
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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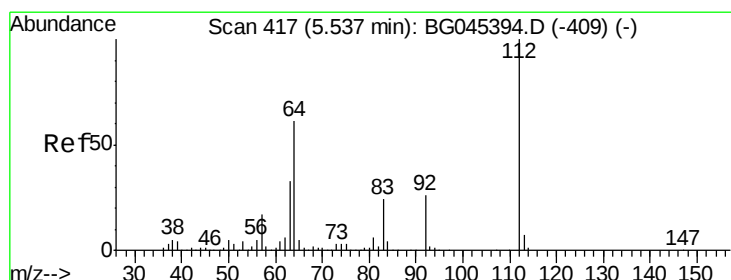
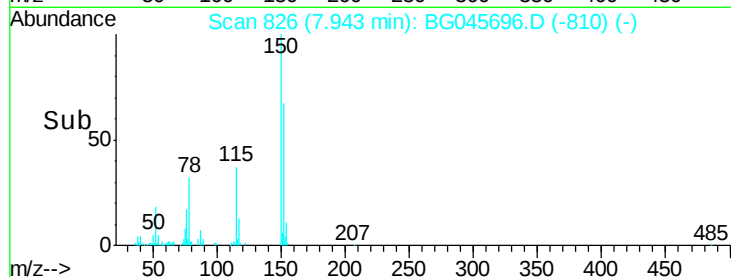
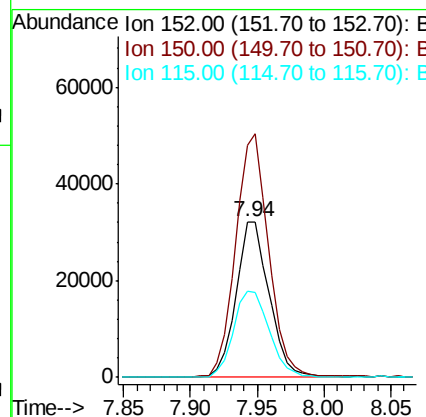
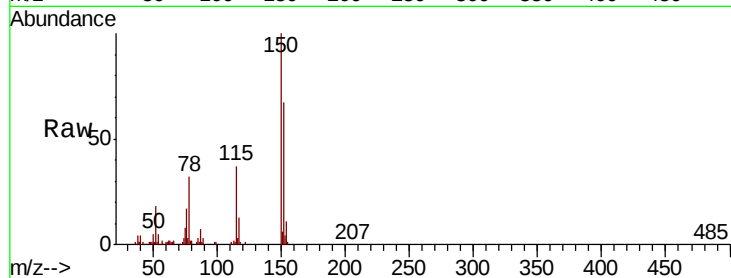


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

Instrument :
BNA_G
ClientSampleId :
PURGE

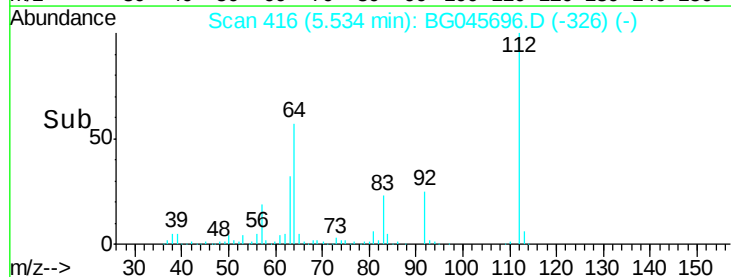
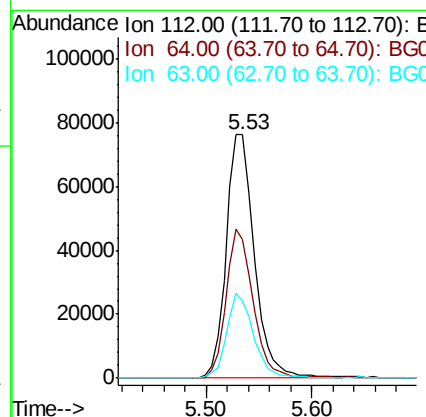
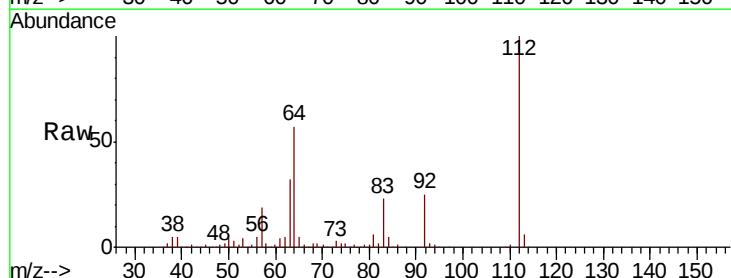
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	122.4	183.6
115	55.8	44.2	66.4



#5

2-Fluorophenol
Concen: 49.847 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.6	72.8
63	31.5	26.5	39.7





#7

Phenol-d6

Concen: 30.685 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PURGE

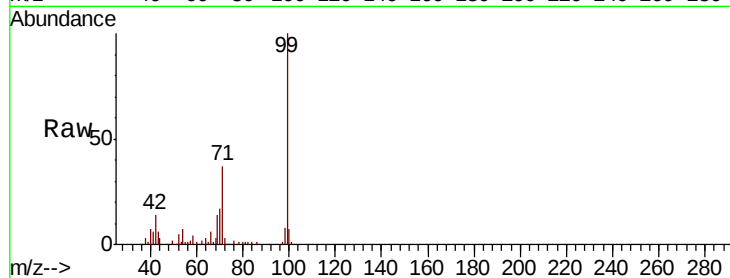
Tot Ion: 99 Resp: 124066

Ion Ratio Lower Upper

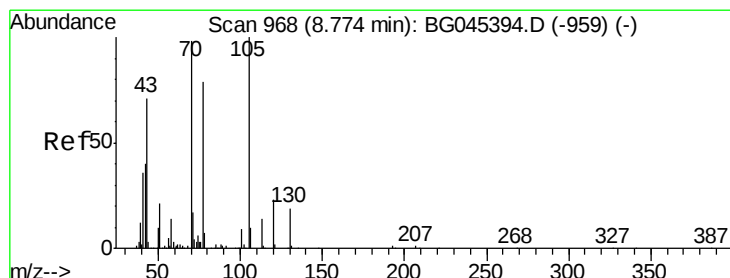
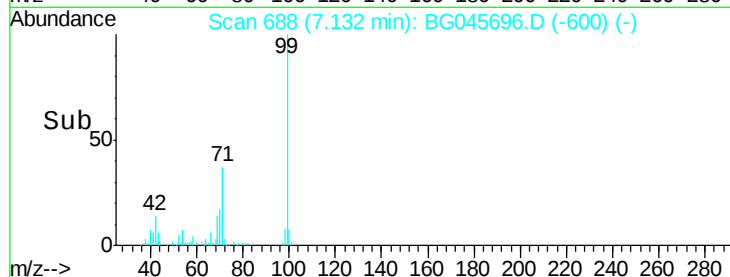
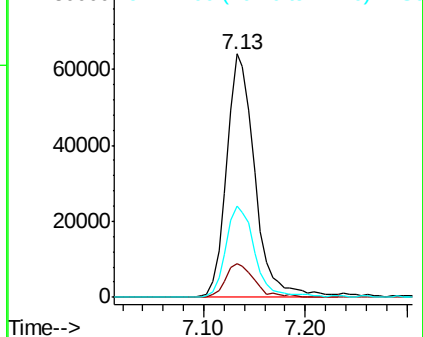
99 100

42 13.6 11.3 16.9

71 37.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.535 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Tgt Ion: 70 Resp: 51822

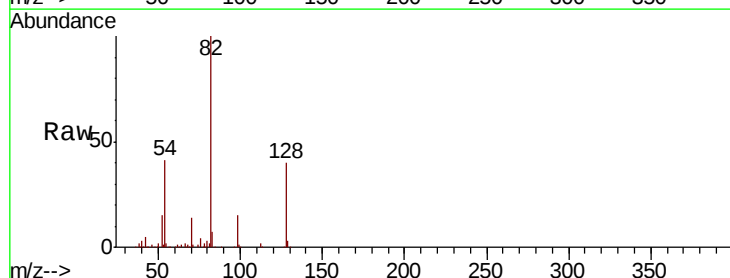
Ion Ratio Lower Upper

70 100

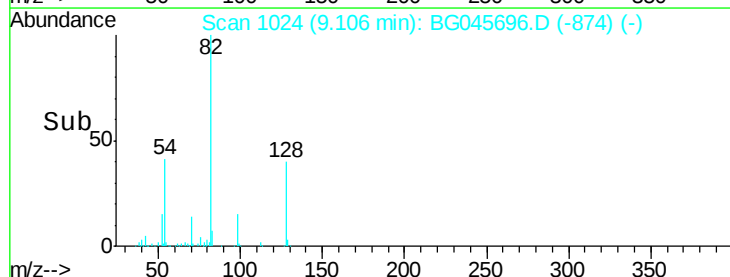
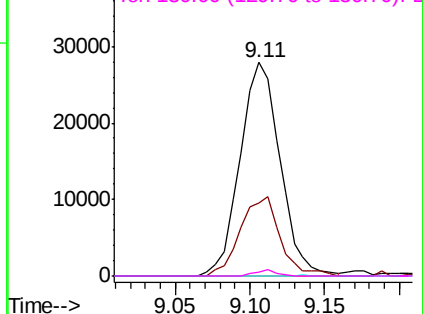
42 34.1 33.2 49.8

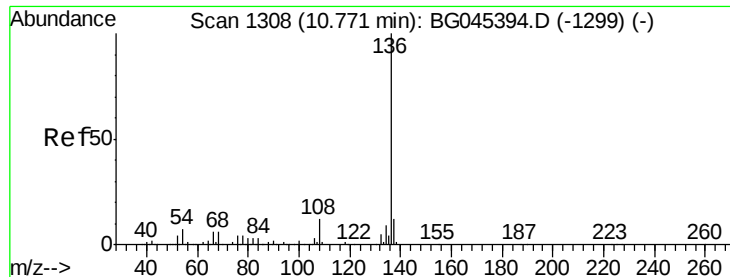
101 0.0 7.8 11.6#

130 1.9 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

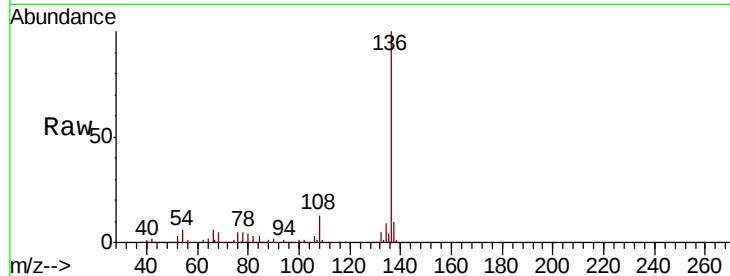




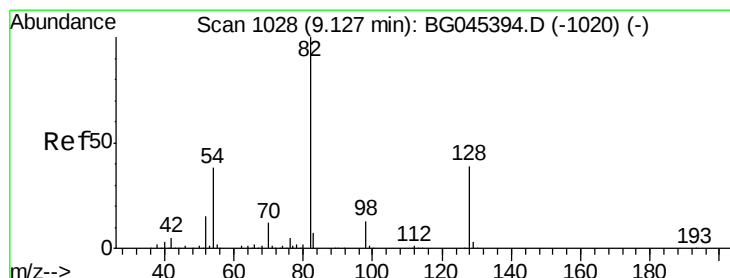
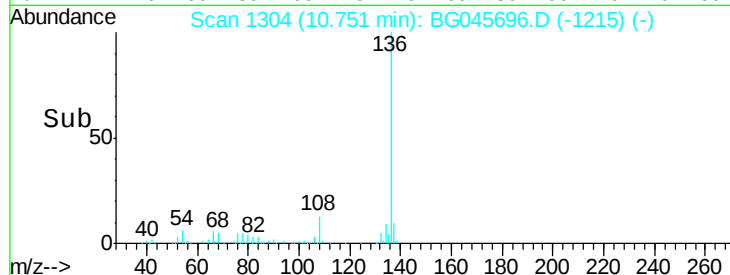
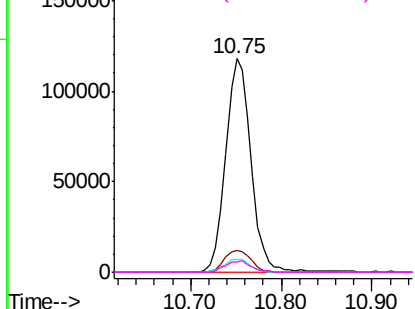
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

Instrument :
BNA_G
ClientSampleId :
PURGE

Tot Ion:136	Resp: 228901
Ion Ratio	Lower Upper
136 100	
137 10.4	9.4 14.2
54 5.9	5.8 8.6
68 5.1	4.5 6.7

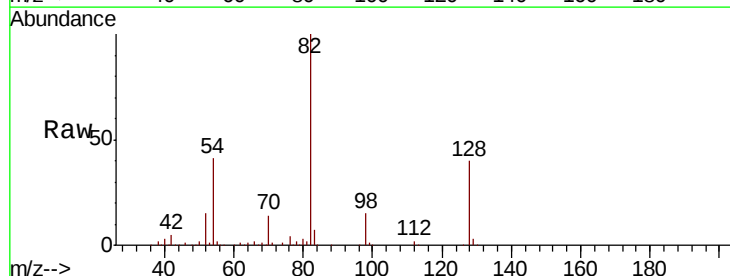


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

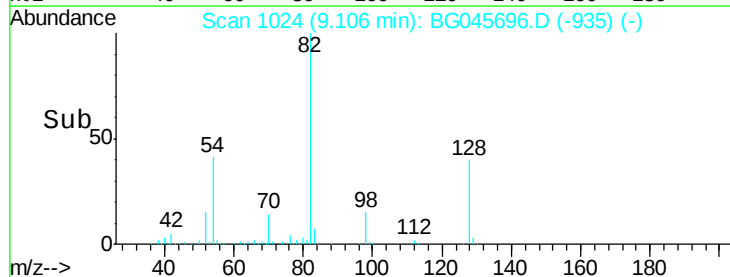
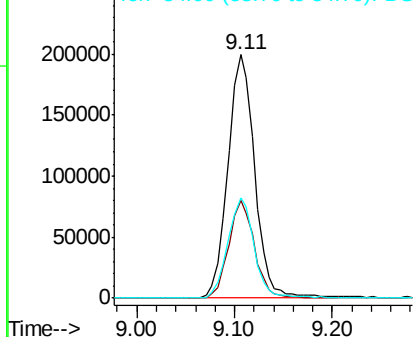


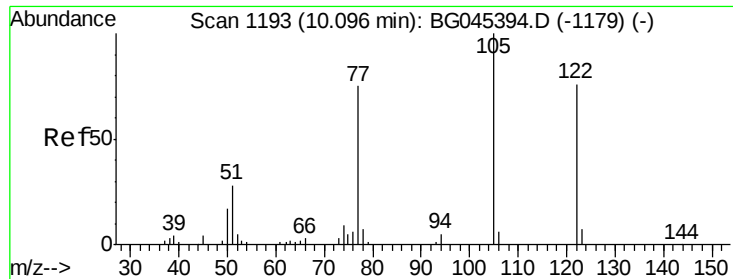
#23
Nitrobenzene-d5
Concen: 90.582 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

Tgt	Ion: 82	Resp:	380225
Ion	Ratio	Lower	Upper
82	100		
128	40.0	30.9	46.3
54	40.9	30.3	45.5



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





#32

Benzoic acid

Concen: 10.045 ng

RT: 10.25 min Scan# 1219

Delta R.T. 0.13 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PURGE

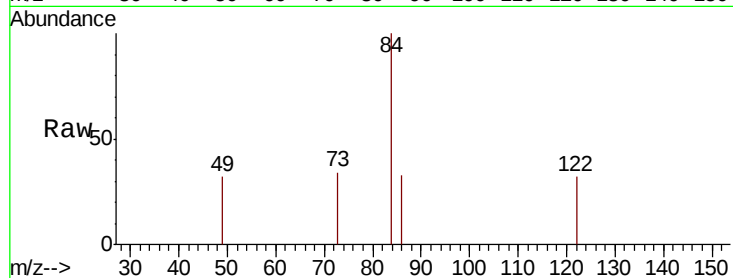
Tot Ion:122 Resp: 55

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): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.25

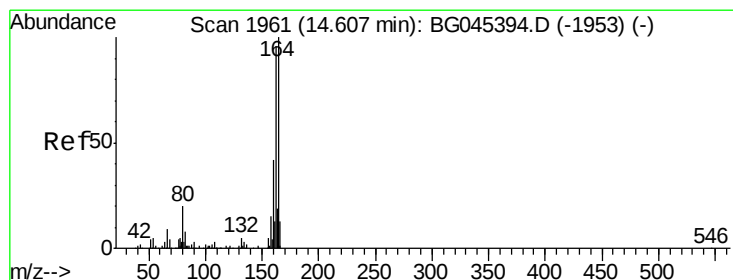
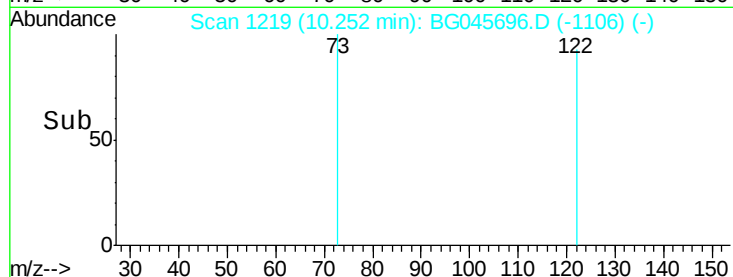
150

100

50

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

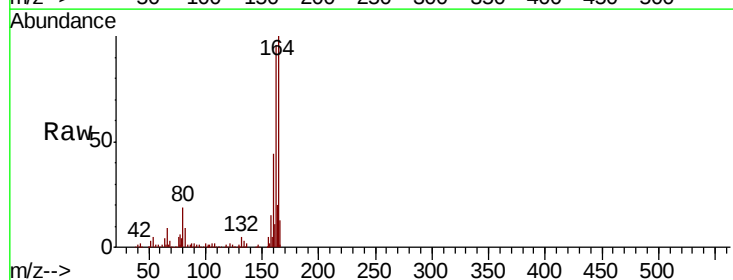
Tgt Ion:164 Resp: 161358

Ion Ratio Lower Upper

164 100

162 95.6 76.9 115.3

160 43.5 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

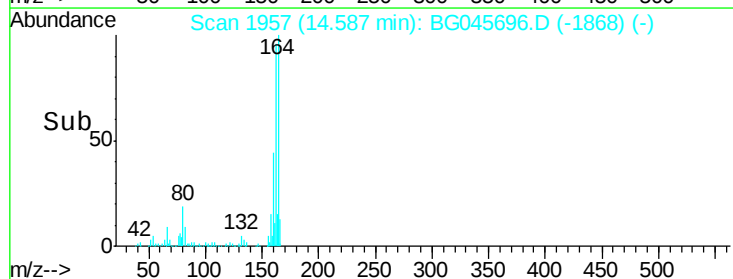
14.59

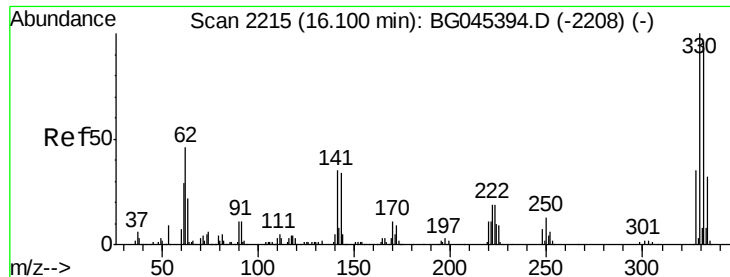
100000

50000

0

Time-->

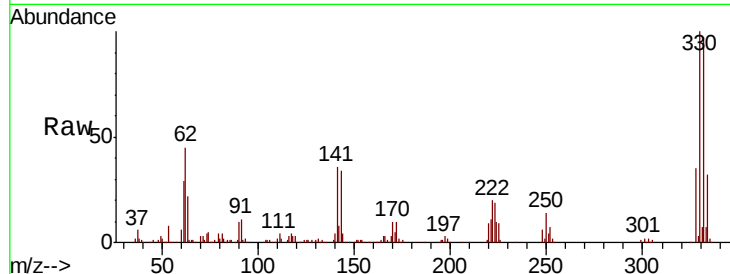




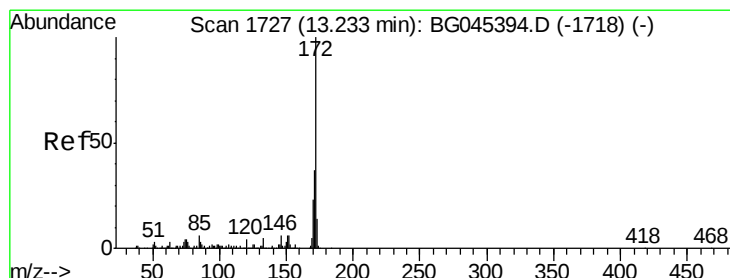
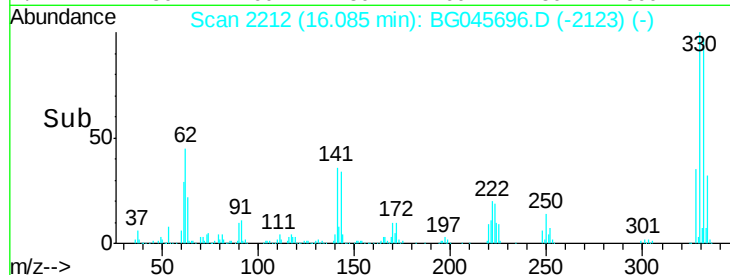
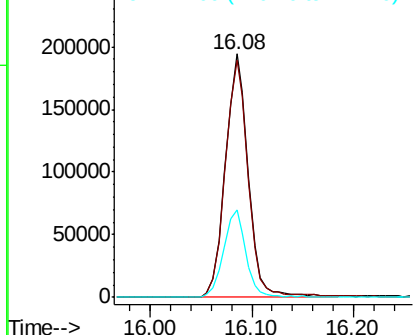
#42
 2,4,6-Tribromophenol
 Concen: 147.022 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. -0.01 min
 Lab File: BG045696.D
 Acq: 10 Jun 2020 17:54

Instrument :
 BNA_G
 ClientSampled :
 PURGE

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	78.2	117.4
141	35.2	28.2	42.4

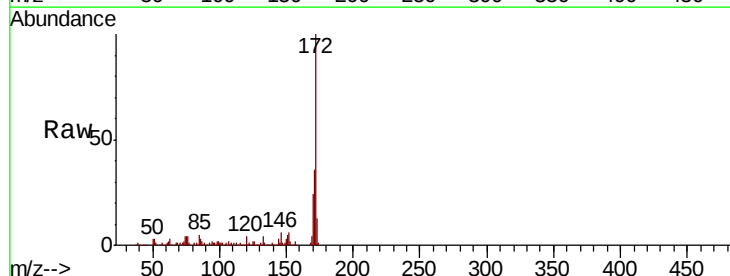


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

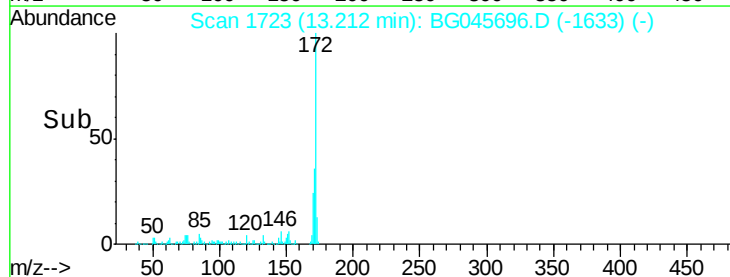
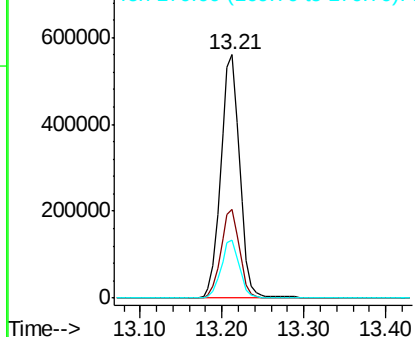


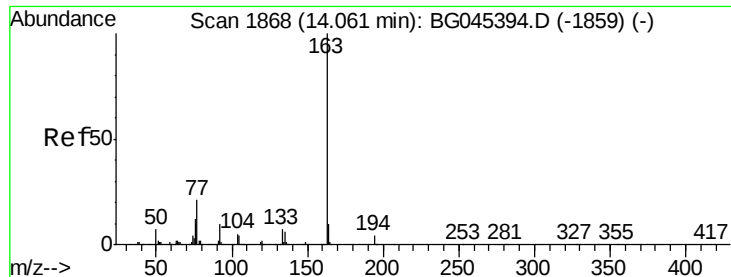
#45
 2-Fluorobiphenyl
 Concen: 94.886 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.00 min
 Lab File: BG045696.D
 Acq: 10 Jun 2020 17:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.5	44.3
170	24.0	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





#50

Dimethylphthalate

Concen: 8.300 ng

RT: 14.04 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PURGE

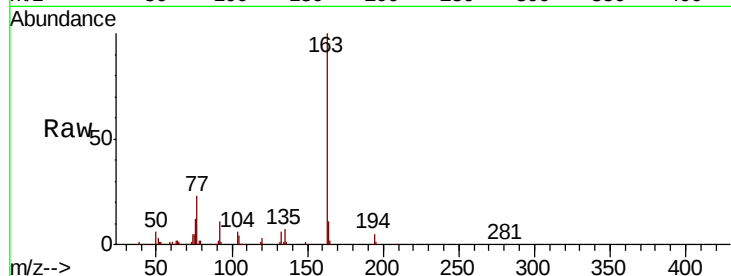
Tot Ion:163 Resp: 91877

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

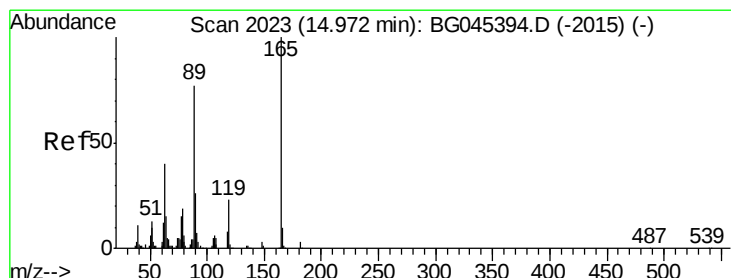
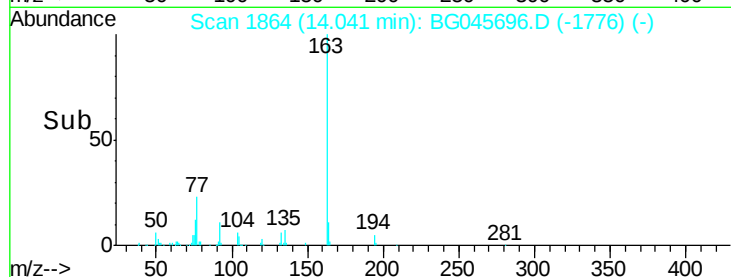
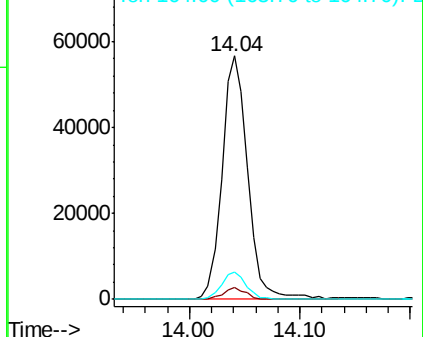
164 11.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.083 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Tgt Ion:165 Resp: 22003

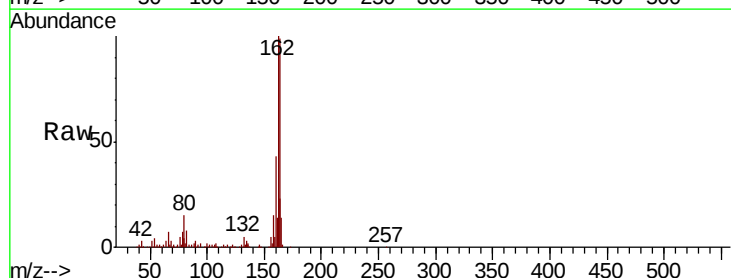
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 1.7 61.8 92.6#

182 0.0 2.3 3.5#

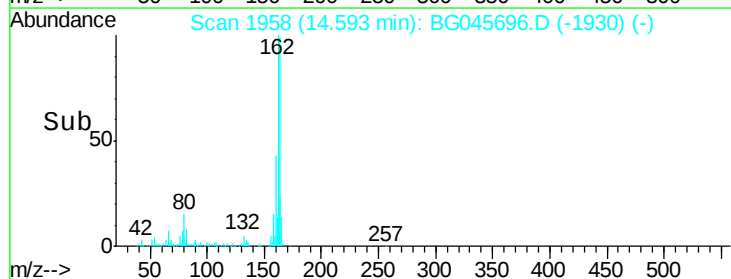
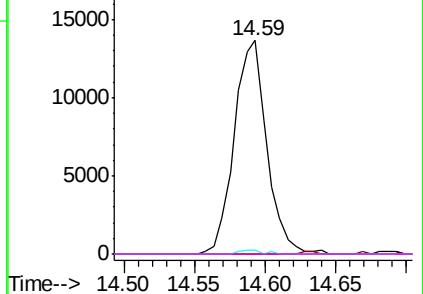


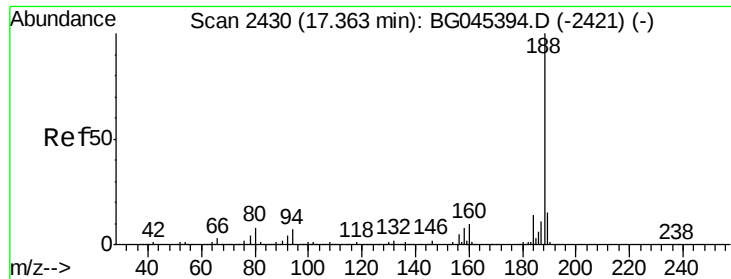
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2425

Delta R.T. -0.01 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PURGE

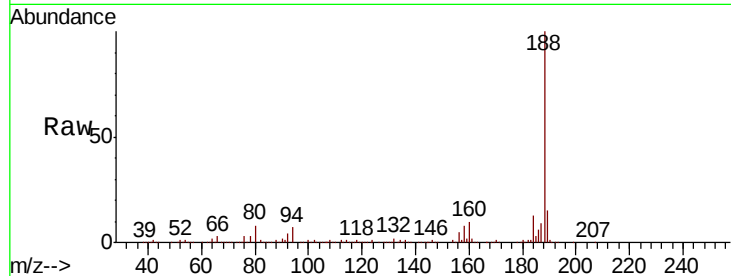
Tot Ion:188 Resp: 350130

Ion Ratio Lower Upper

188 100

94 6.5 5.5 8.3

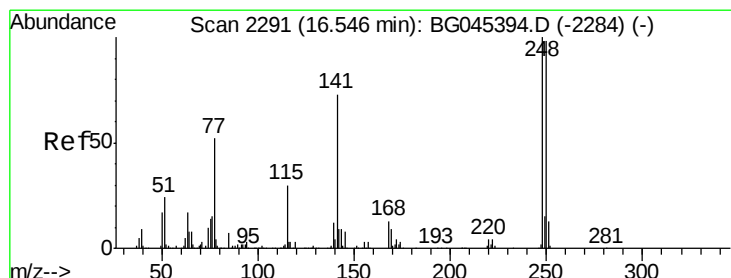
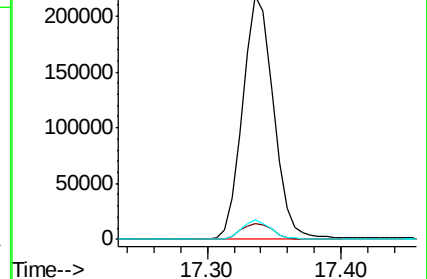
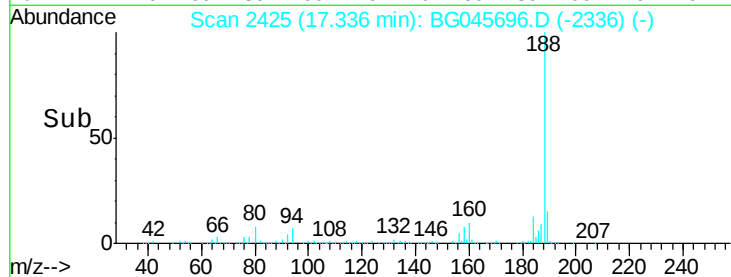
80 7.9 6.6 10.0



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: 5.019 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

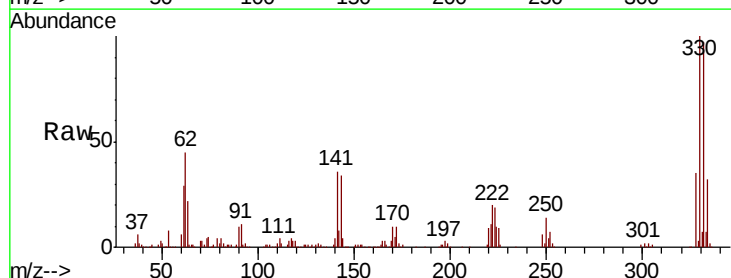
Tgt Ion:248 Resp: 19029

Ion Ratio Lower Upper

248 100

250 219.7 78.6 117.8#

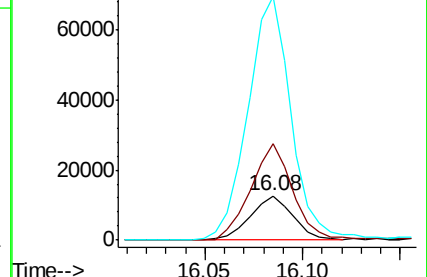
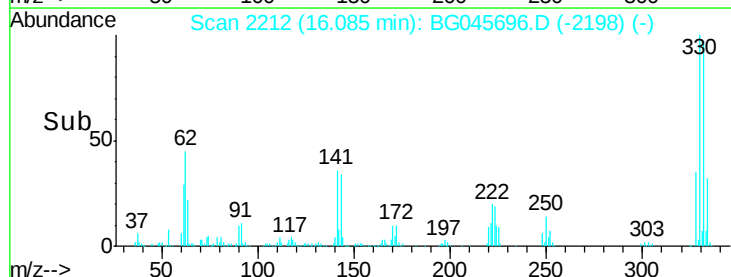
141 551.9 58.2 87.2#

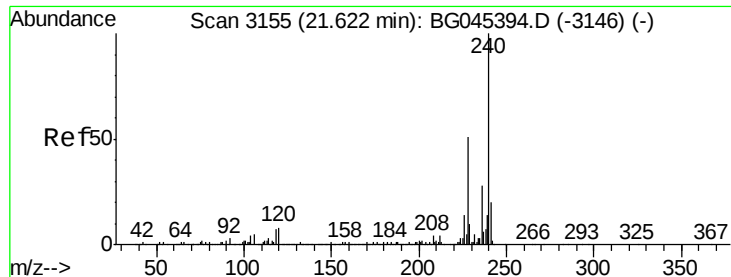


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

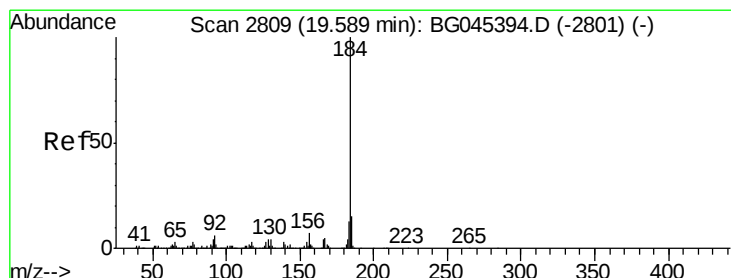
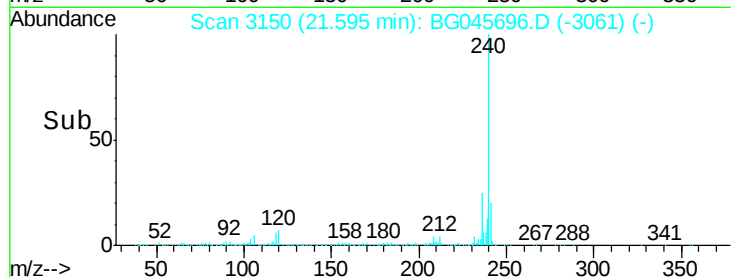
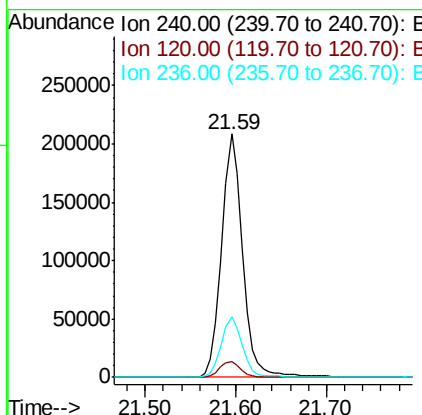
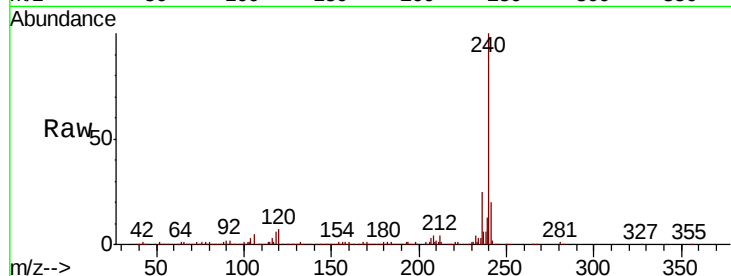




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

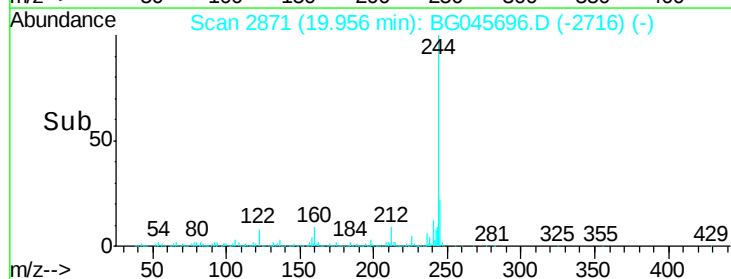
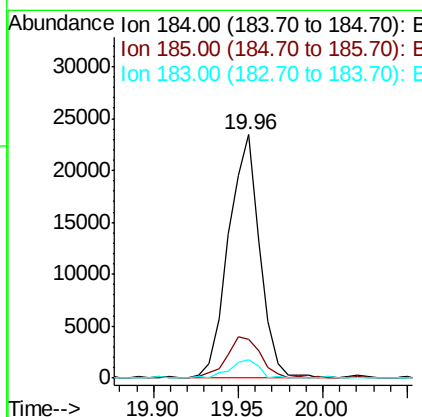
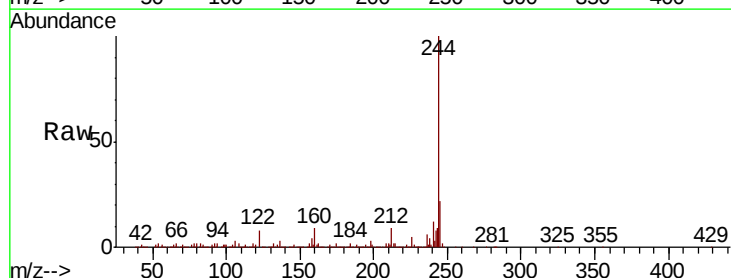
Instrument :
BNA_G
ClientSampleId :
PURGE

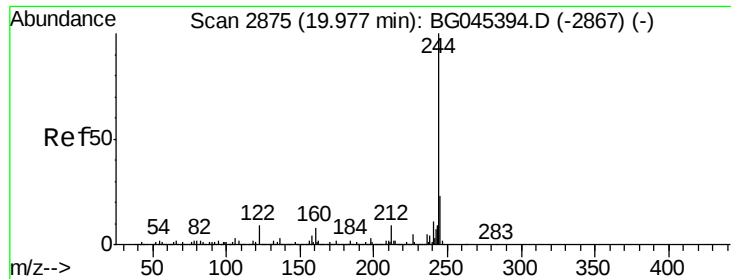
Tot Ion:240 Resp: 334475
Ion Ratio Lower Upper
240 100
120 6.6 6.1 9.1
236 24.7 22.3 33.5



#77
Benzidine
Concen: 3.203 ng
RT: 19.96 min Scan# 2871
Delta R.T. 0.38 min
Lab File: BG045696.D
Acq: 10 Jun 2020 17:54

Tgt Ion:184 Resp: 30088
Ion Ratio Lower Upper
184 100
185 15.8 11.7 17.5
183 7.4 10.2 15.4#





#79

Terphenyl-d14

Concen: 108.739 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Instrument :

BNA_G

ClientSampled :

PURGE

Tot Ion:244 Resp: 1559430

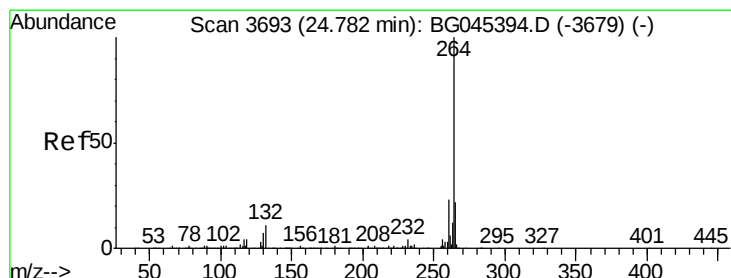
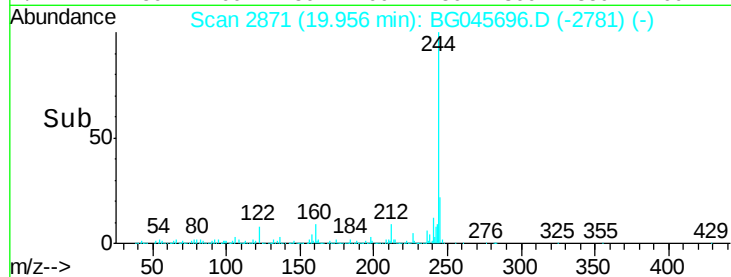
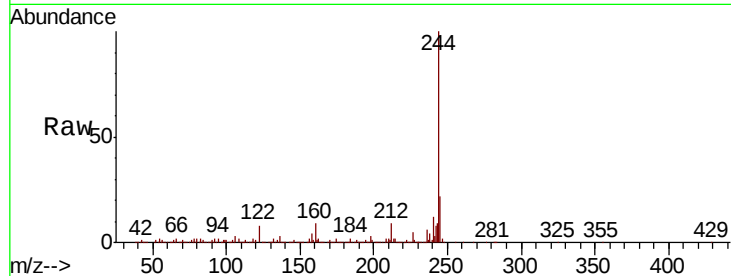
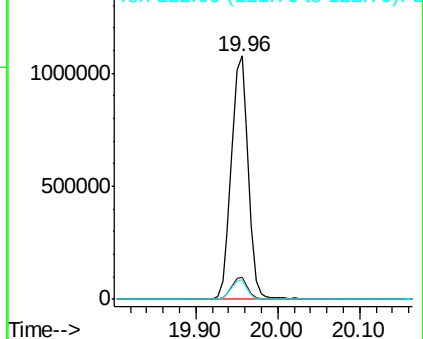
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.4	11.0
122	7.9	6.8	10.2

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

Perylene-d12

Concen: 20.000 ng

RT: 24.74 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG045696.D

Acq: 10 Jun 2020 17:54

Tgt Ion:264 Resp: 363745

Ion	Ratio	Lower	Upper
264	100		
260	22.4	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

