

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045463.D
 Acq On : 26 May 2020 18:55
 Operator : CG/JU
 Sample : L2744-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 27 00:57:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	80390	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	328203	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	226191	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	517627	20.00	ng	0.00
76) Chrysene-d12	21.61	240	482116	20.00	ng	0.00
87) Perylene-d12	24.76	264	529113	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	323904	78.74	ng	0.00
7) Phenol-d6	7.18	99	498339	85.12	ng	0.00
23) Nitrobenzene-d5	9.12	82	371267	61.69	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	281370	97.27	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	926086	69.45	ng	0.00
79) Terphenyl-d14	19.97	244	1483869	71.78	ng	0.00

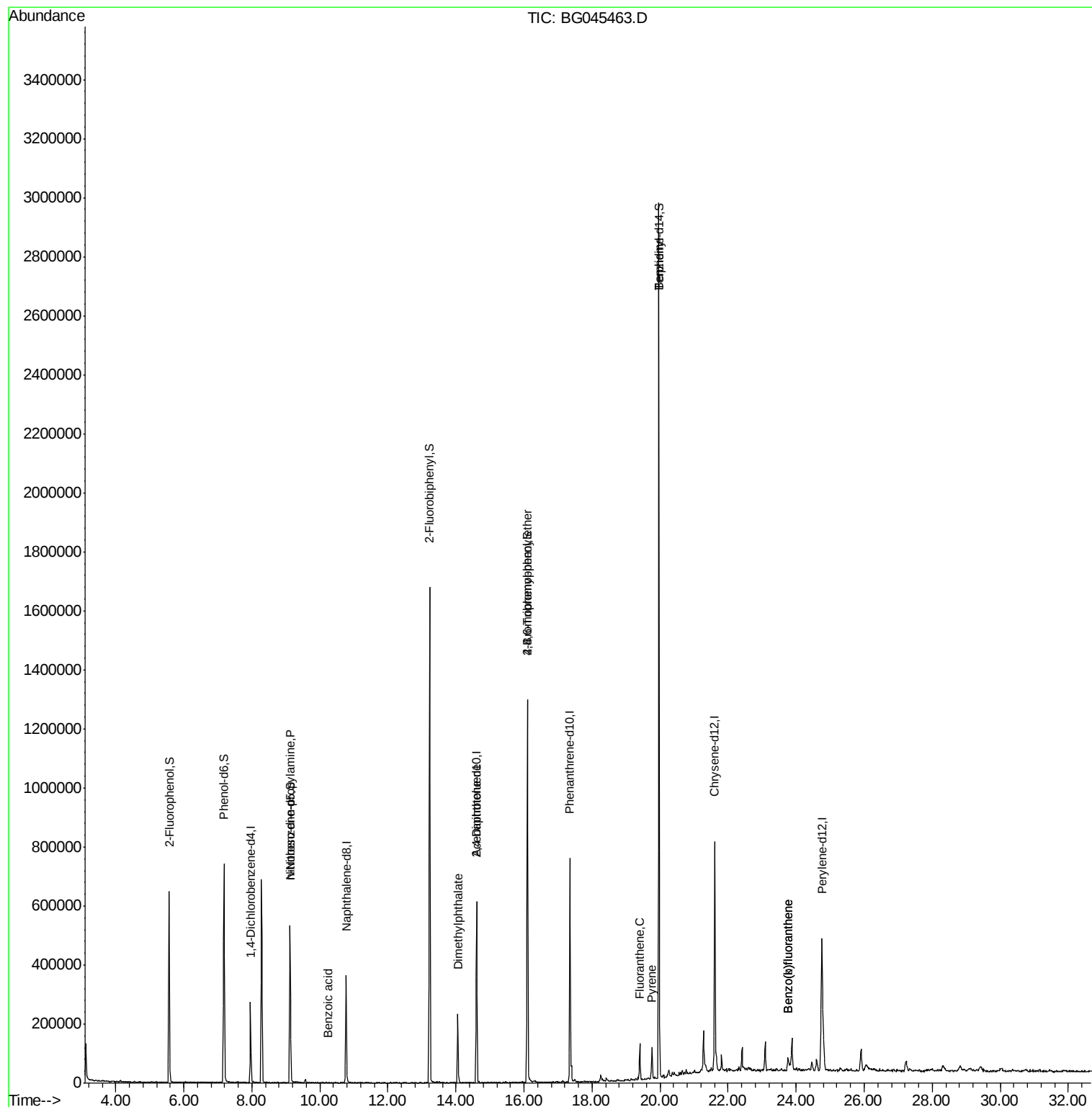
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	47685	11.778	ng	# 79
32) Benzoic acid	10.24	122	69	10.042	ng	# 1
50) Dimethylphthalate	14.05	163	164659	10.612	ng	98
57) 2,4-Dinitrotoluene	14.60	165	31283	6.169	ng	# 22
67) 4-Bromophenyl-phenylether	16.10	248	19007	3.391	ng	# 1
75) Fluoranthene	19.40	202	82466	2.869	ng	93
77) Benzidine	19.97	184	27355	2.020	ng	# 90
78) Pyrene	19.76	202	73825	2.686	ng	97
88) Benzo(b)fluoranthene	23.76	252	61097	2.153	ng	94
89) Benzo(k)fluoranthene	23.76	252	61097	2.292	ng	94

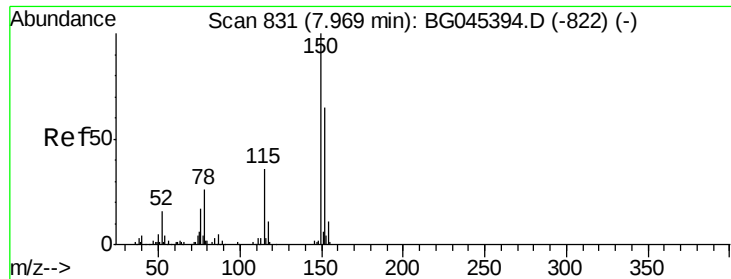
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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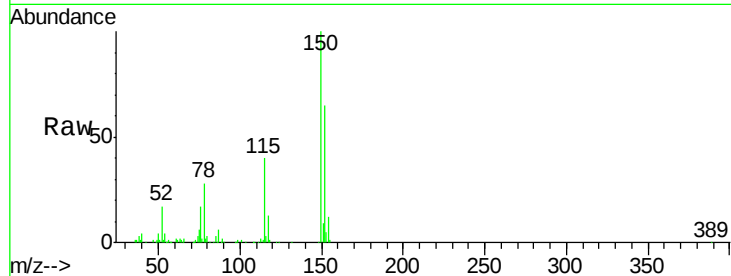


#1

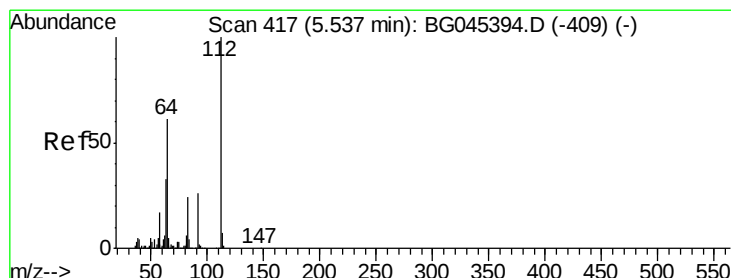
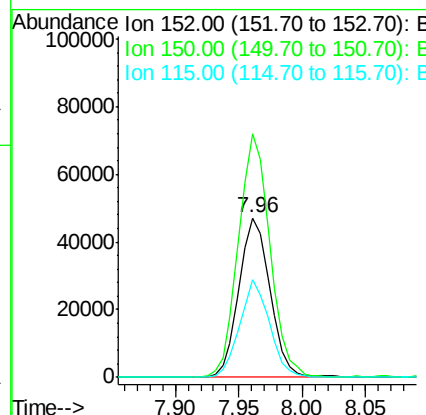
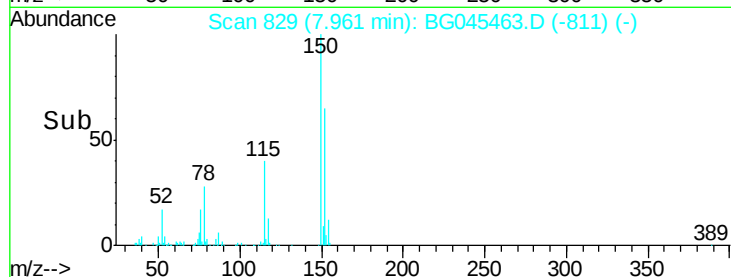
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.4	183.6
115	61.1	44.2	66.4



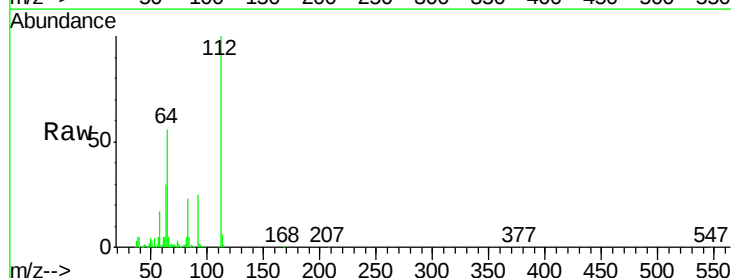
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



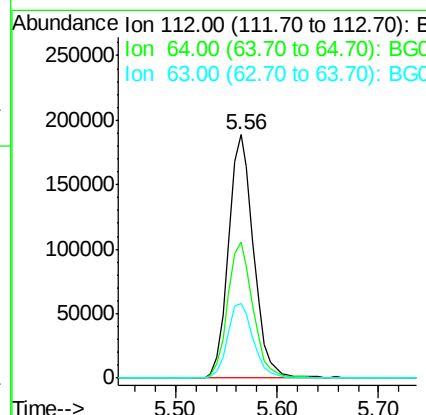
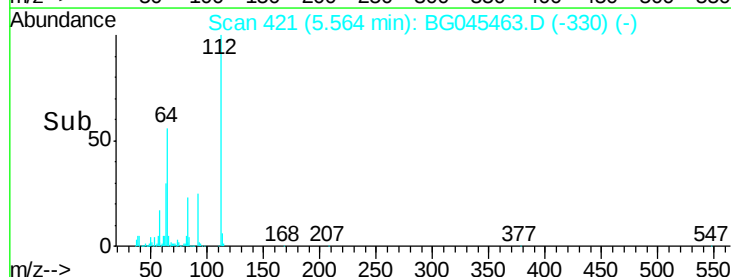
#5

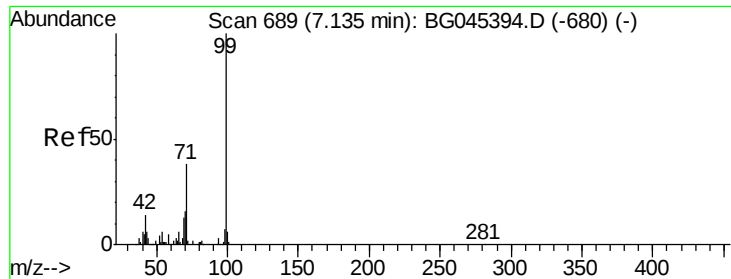
2-Fluorophenol
Concen: 78.742 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	48.6	72.8
63	30.4	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: 85.117 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampleId :

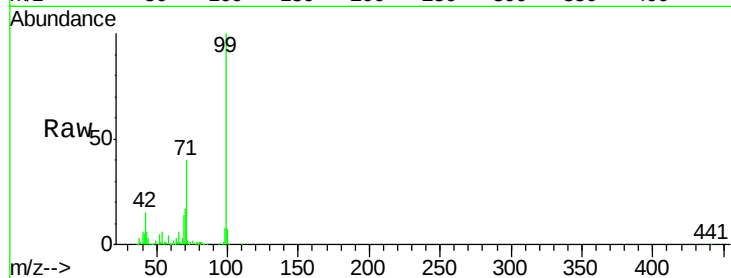
Tot Ion: 99 Resp: 498339

Ion Ratio Lower Upper

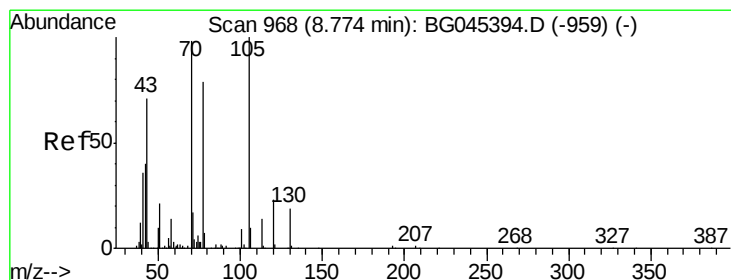
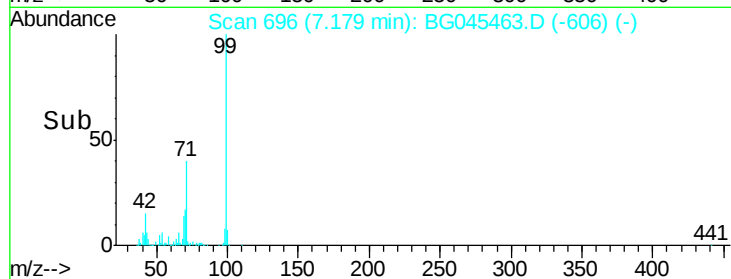
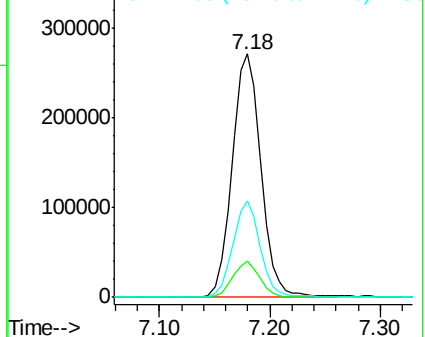
99 100

42 15.0 11.3 16.9

71 39.6 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: 11.778 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Tgt Ion: 70 Resp: 47685

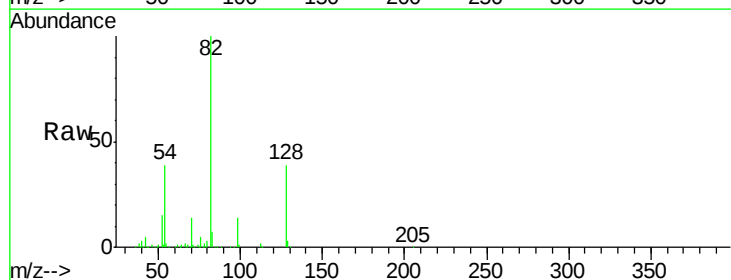
Ion Ratio Lower Upper

70 100

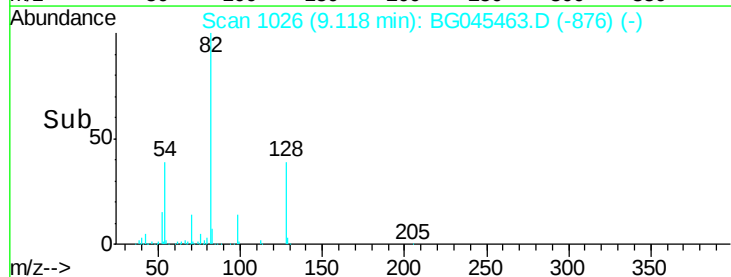
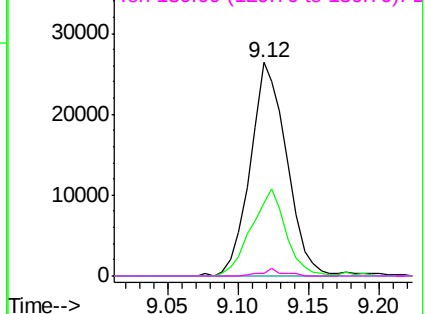
42 34.3 33.2 49.8

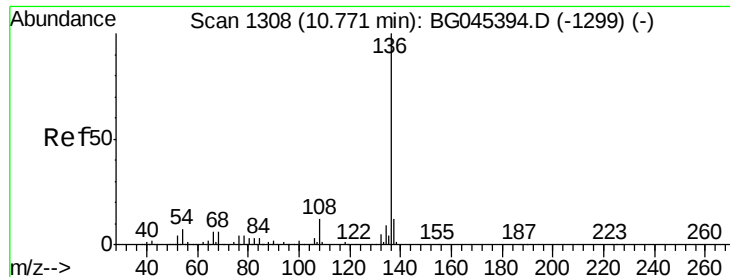
101 0.0 7.8 11.6#

130 1.3 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: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG045463.D

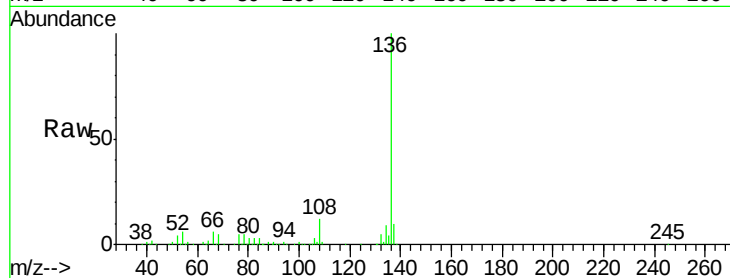
Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampled :

Tot Ion:136	Resp:	328203
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.4 14.2
54	5.7	5.8 8.6#
68	5.2	4.5 6.7

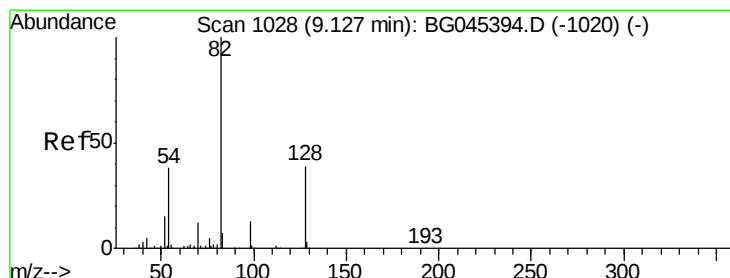
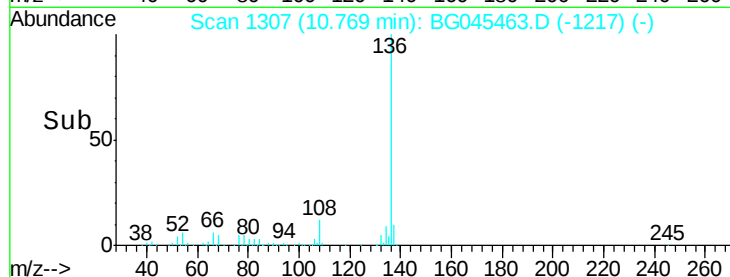
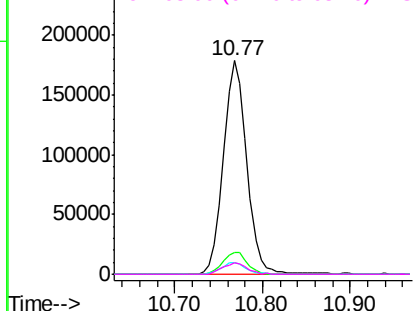


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 61.687 ng

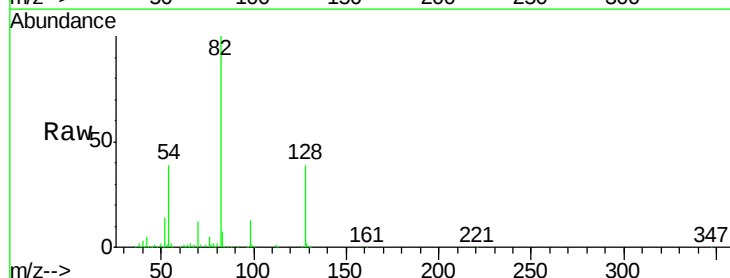
RT: 9.12 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

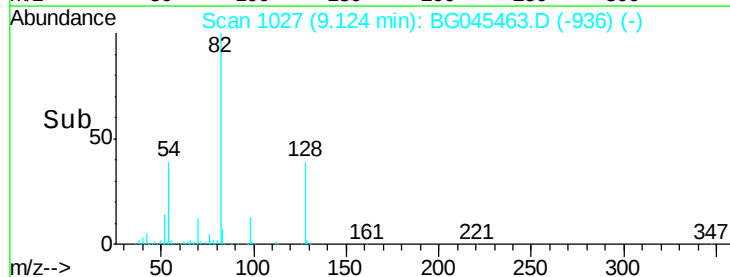
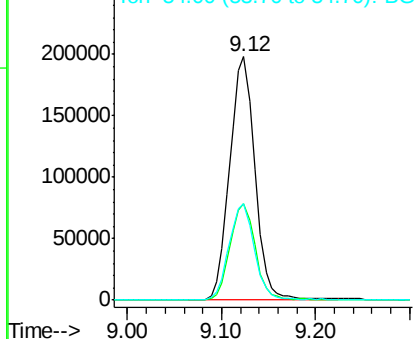
Tgt Ion: 82	Resp:	371267
Ion	Ratio	Lower Upper
82	100	
128	39.4	30.9 46.3
54	39.4	30.3 45.5

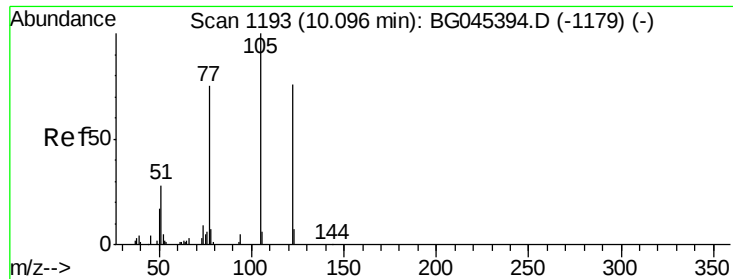


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

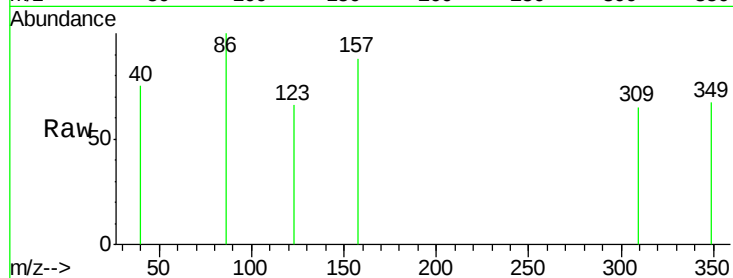




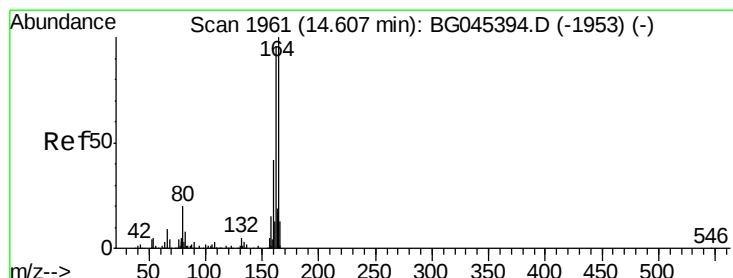
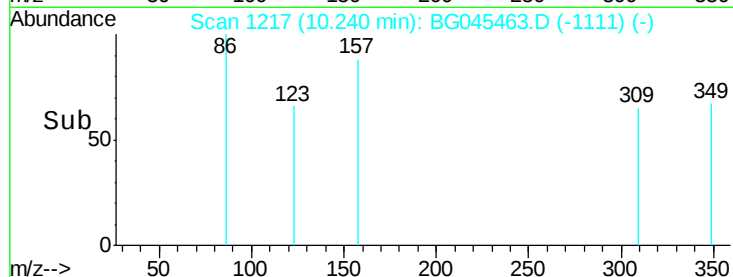
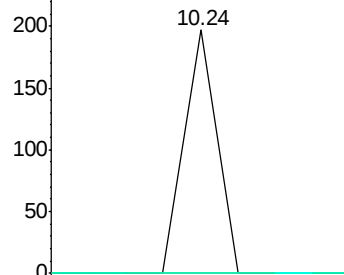
#32
Benzoic acid
Concen: 10.042 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.09 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

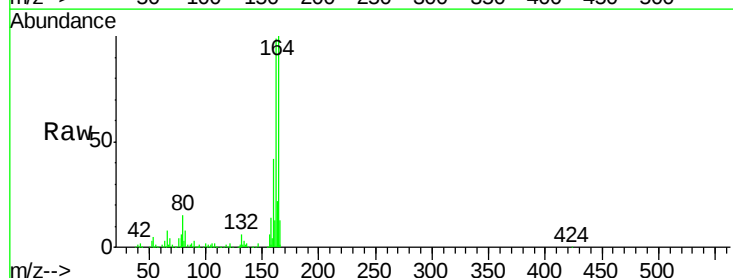


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

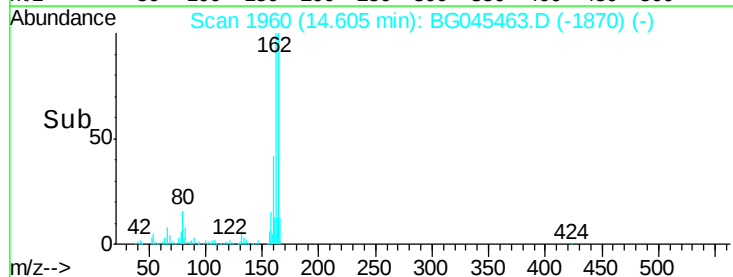
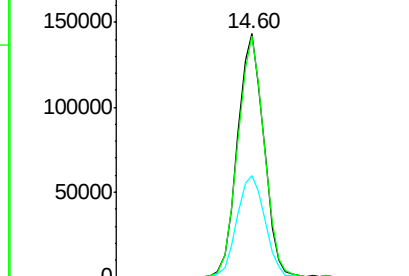


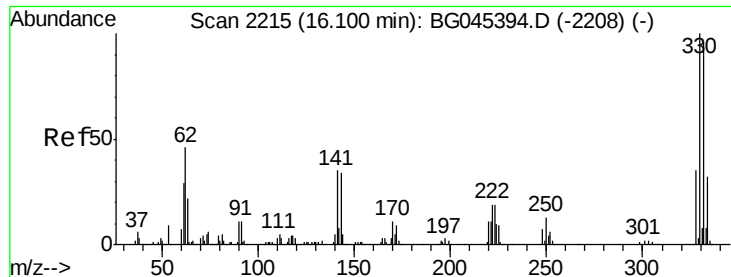
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Tgt Ion:164 Resp: 226191
Ion Ratio Lower Upper
164 100
162 98.8 76.9 115.3
160 42.0 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: 97.268 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampleId :

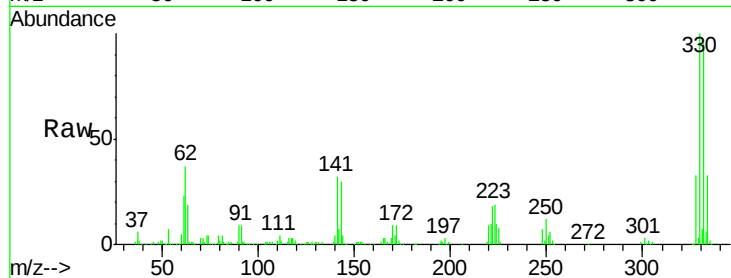
Tot Ion:330 Resp: 281370

Ion Ratio Lower Upper

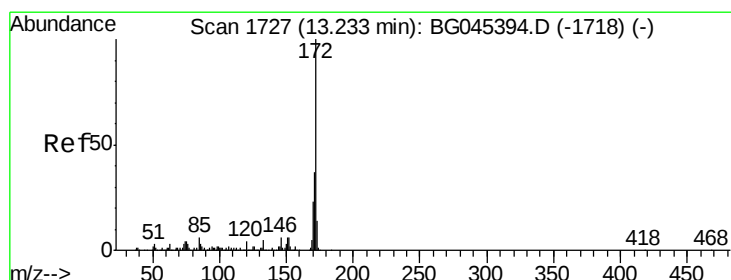
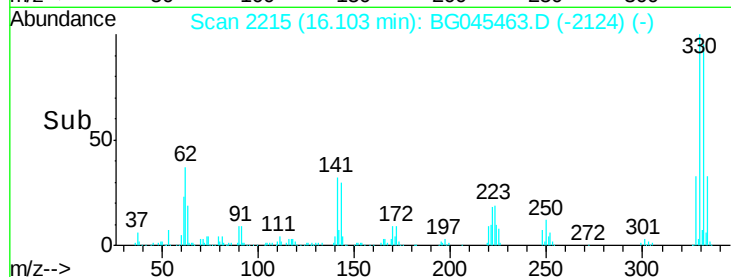
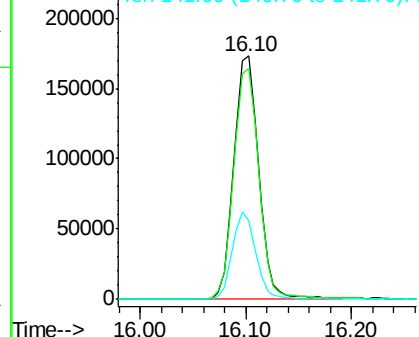
330 100

332 95.8 78.2 117.4

141 34.3 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: 69.447 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

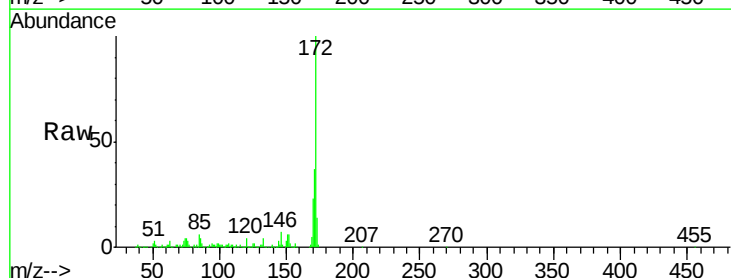
Tgt Ion:172 Resp: 926086

Ion Ratio Lower Upper

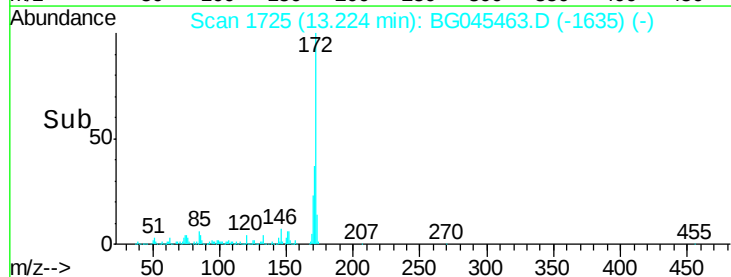
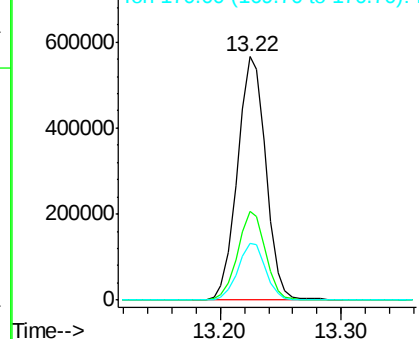
172 100

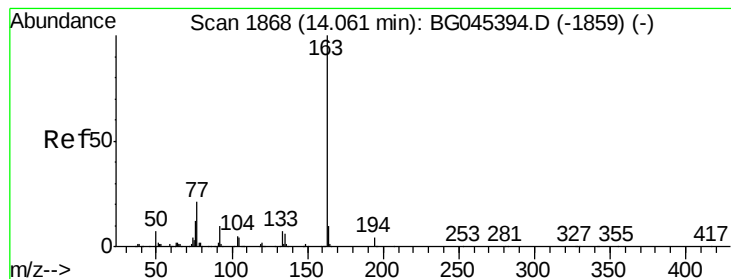
171 36.7 29.5 44.3

170 23.3 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: 10.612 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampleId :

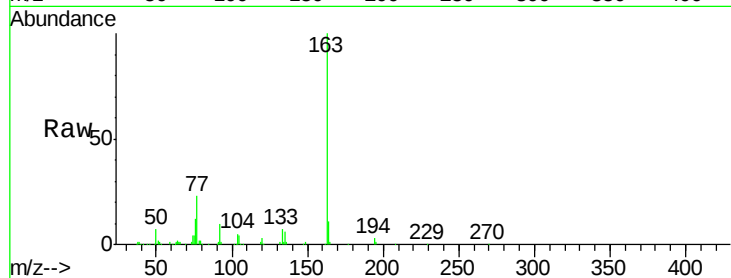
Tot Ion:163 Resp: 164659

Ion Ratio Lower Upper

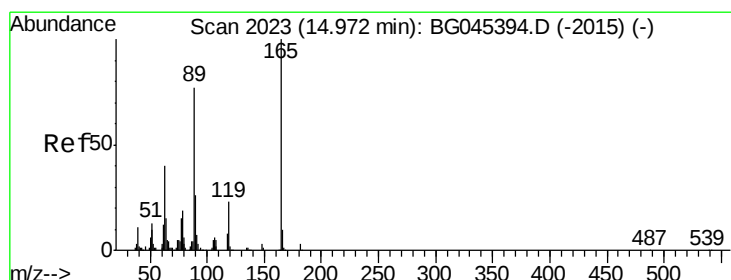
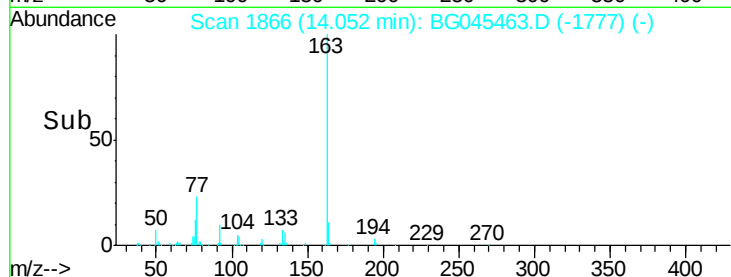
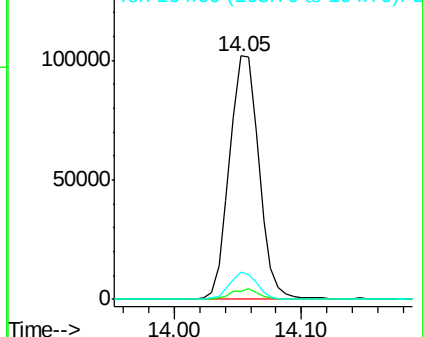
163 100

194 3.3 3.2 4.8

164 11.2 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: 6.169 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.37 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Tgt Ion:165 Resp: 31283

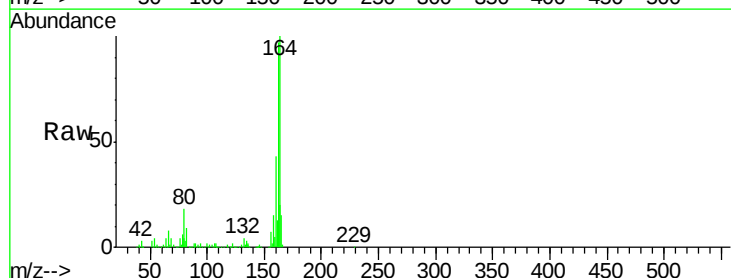
Ion Ratio Lower Upper

165 100

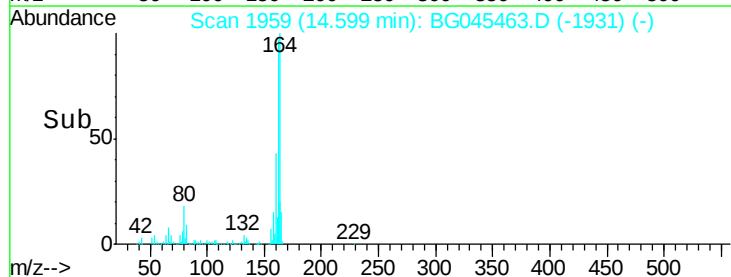
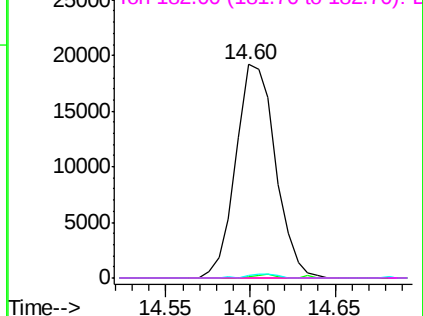
63 0.8 32.5 48.7#

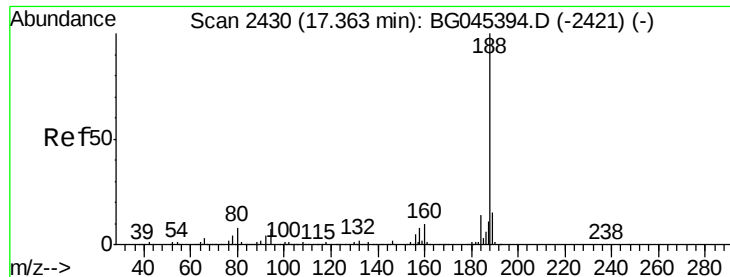
89 1.0 61.8 92.6#

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: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampleId :

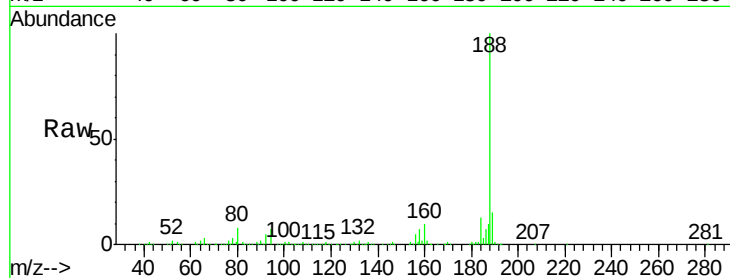
Tot Ion:188 Resp: 517627

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

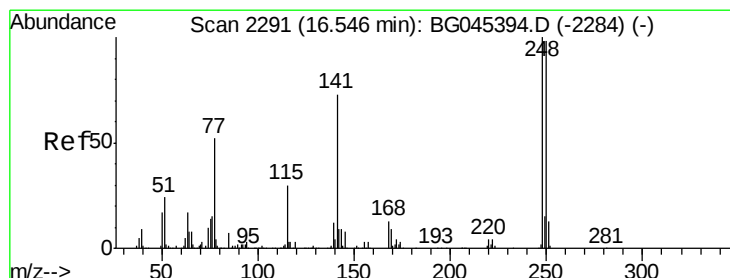
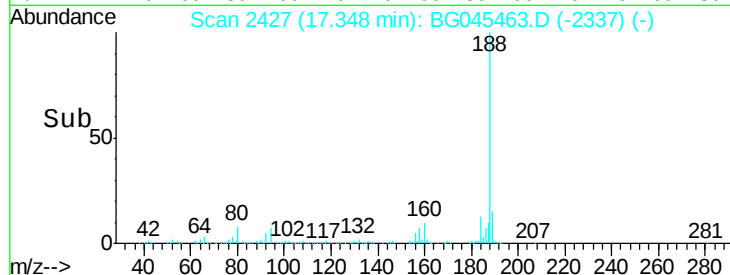
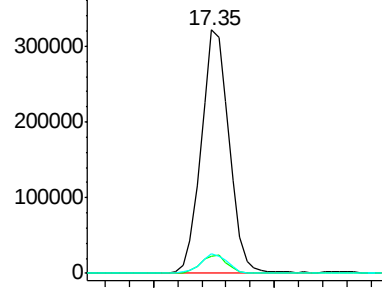
80 7.8 6.6 10.0



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: 3.391 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

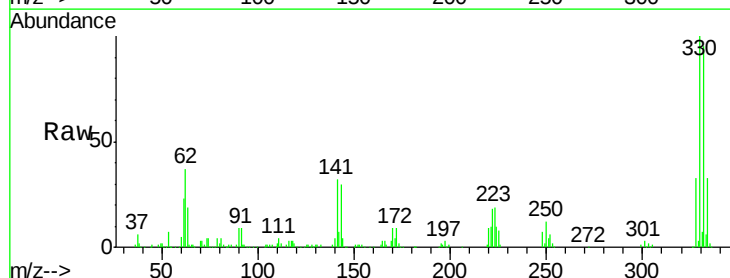
Tgt Ion:248 Resp: 19007

Ion Ratio Lower Upper

248 100

250 177.5 78.6 117.8#

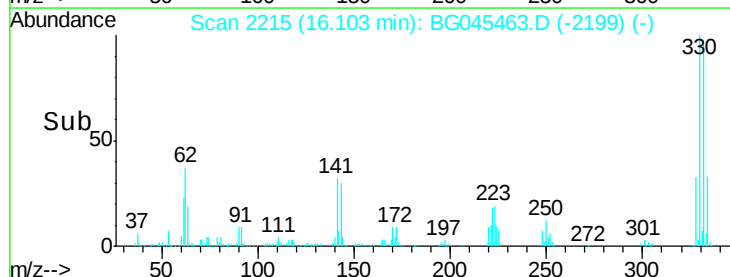
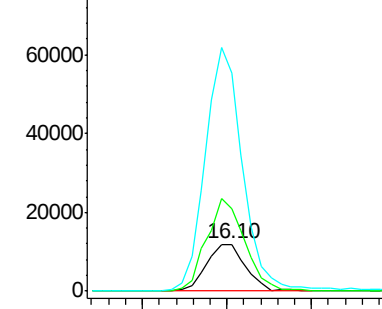
141 468.0 58.2 87.2#

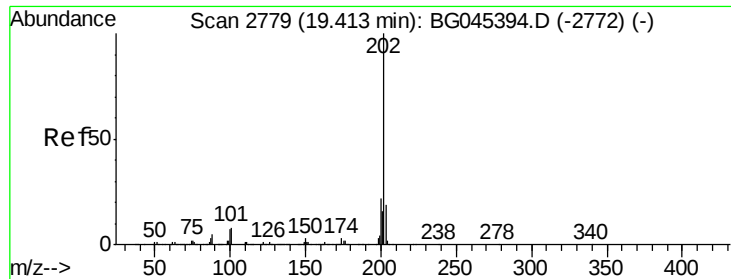


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

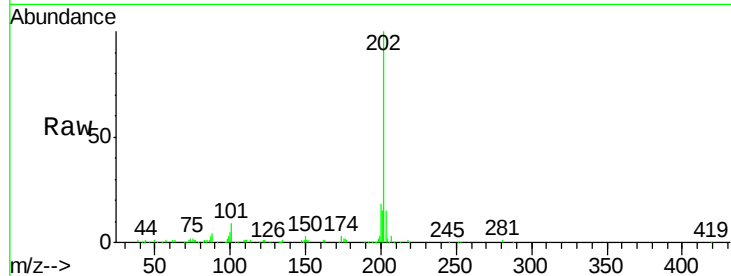




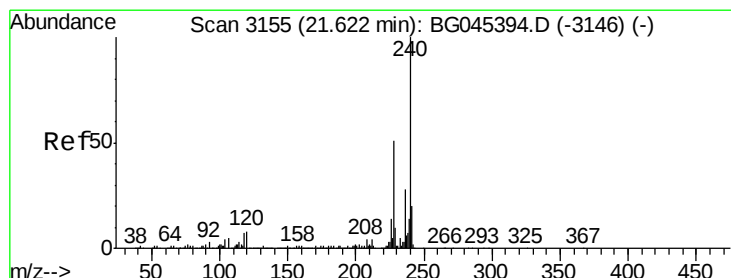
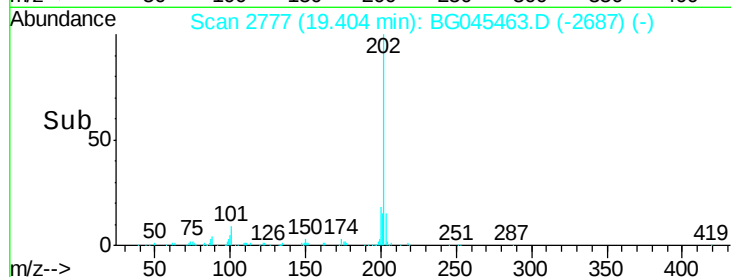
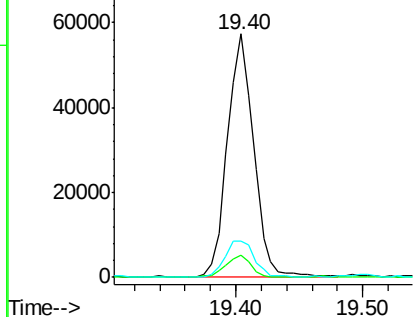
#75
 Fluoranthene
 Concen: 2.869 ng
 RT: 19.40 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: BG045463.D
 Acq: 26 May 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	202	Resp:	82466
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.3
203	14.8	0.0	39.0

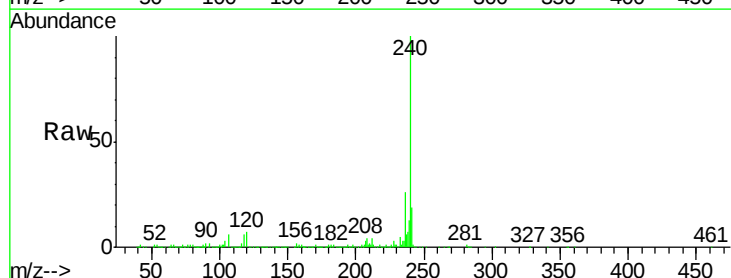


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

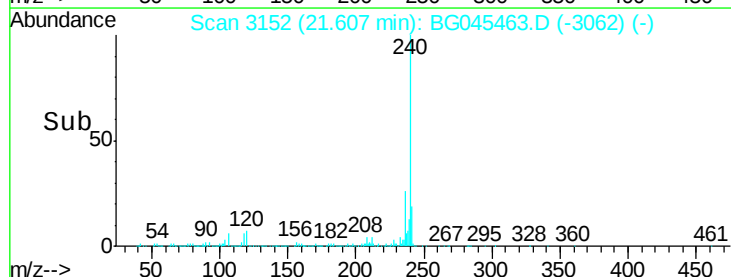
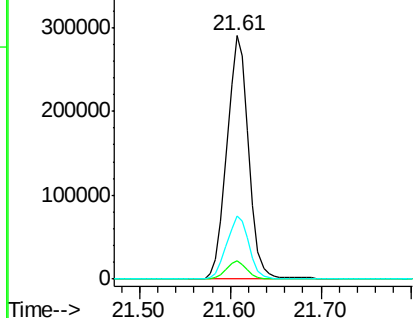


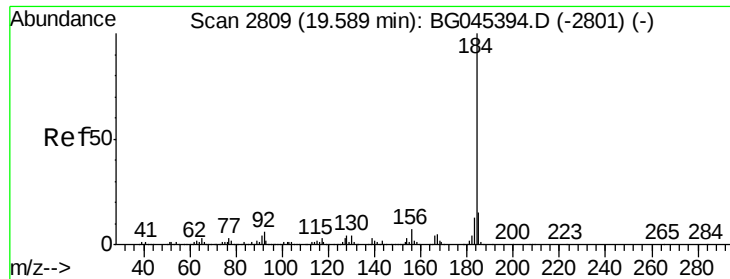
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.61 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: BG045463.D
 Acq: 26 May 2020 18:55

Tgt Ion:	240	Resp:	482116
Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.1	9.1
236	25.9	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: 2.020 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

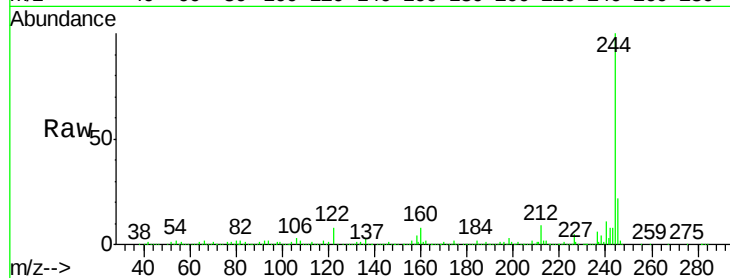
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 27355

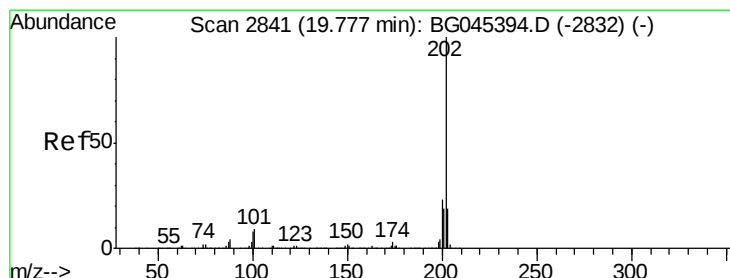
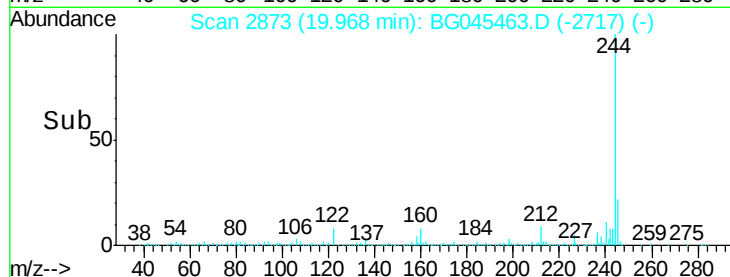
Ion	Ratio	Lower	Upper
184	100		
185	16.4	11.7	17.5
183	6.4	10.2	15.4



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



#78

Pyrene

Concen: 2.686 ng

RT: 19.76 min Scan# 2838

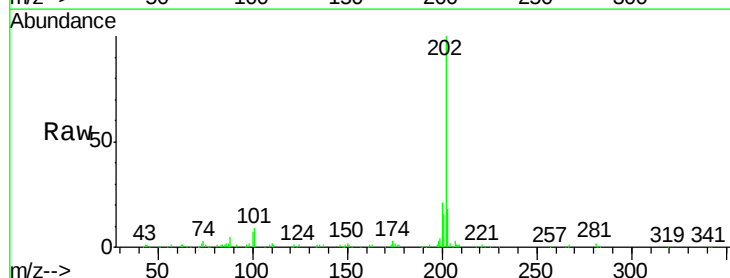
Delta R.T. -0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Tgt Ion:202 Resp: 73825

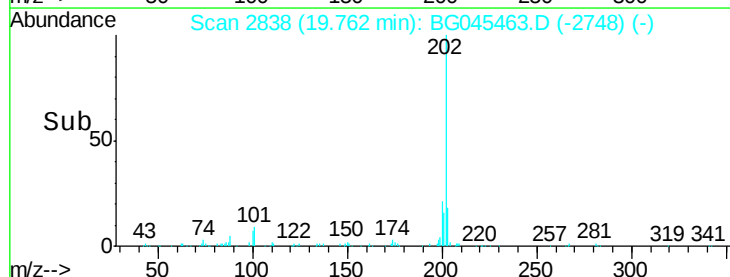
Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.2	27.2
203	18.5	15.1	22.7

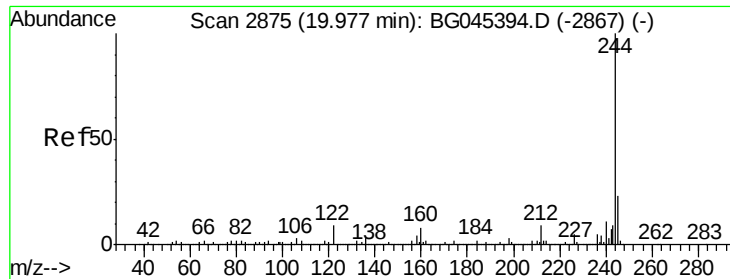


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.784 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

Instrument :

BNA_G

ClientSampled :

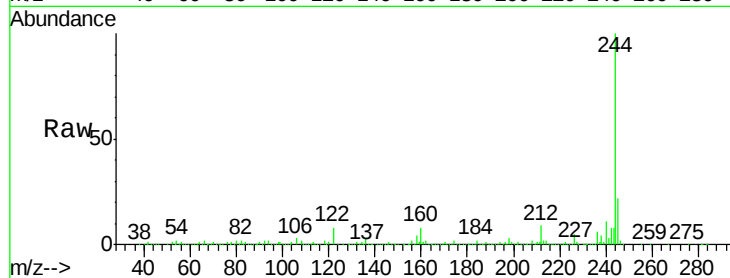
Tot Ion:244 Resp: 1483869

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

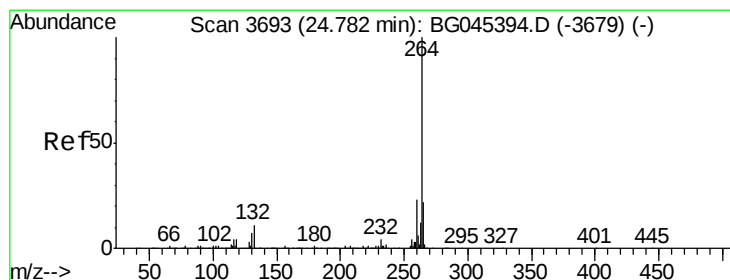
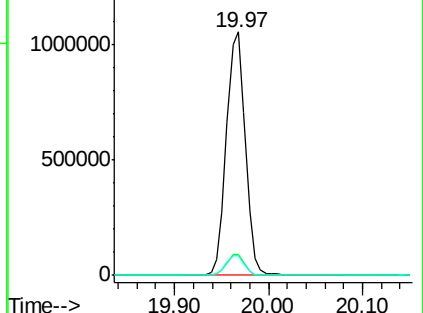
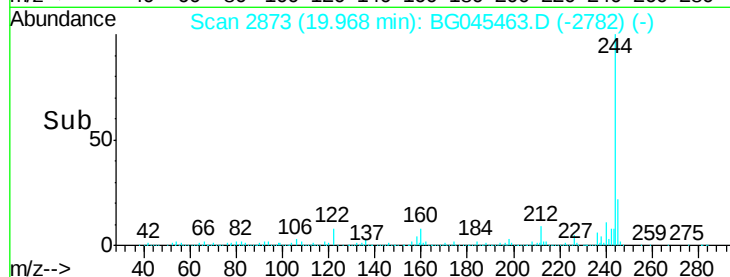
122 7.8 6.8 10.2



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: 24.76 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045463.D

Acq: 26 May 2020 18:55

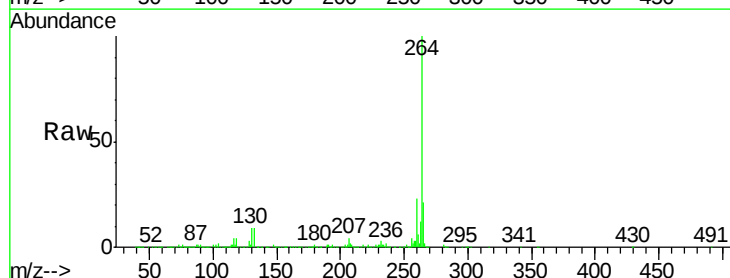
Tgt Ion:264 Resp: 529113

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

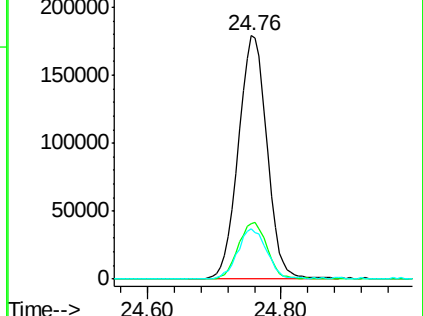
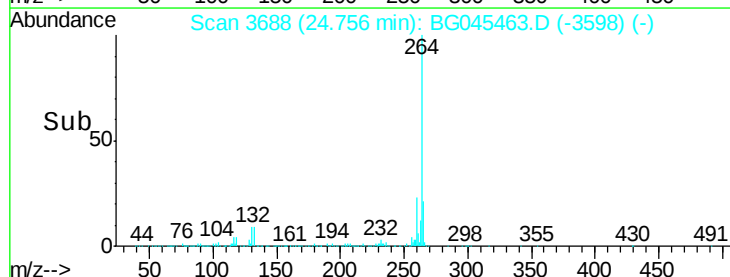
265 20.8 17.6 26.4

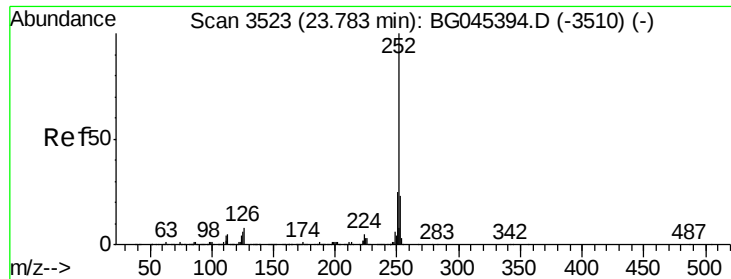


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

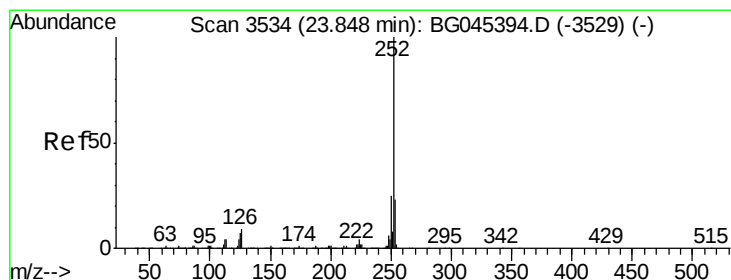
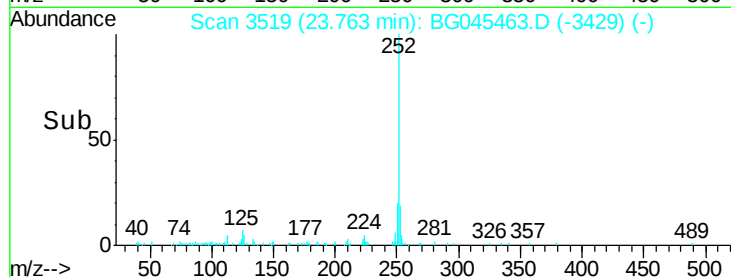
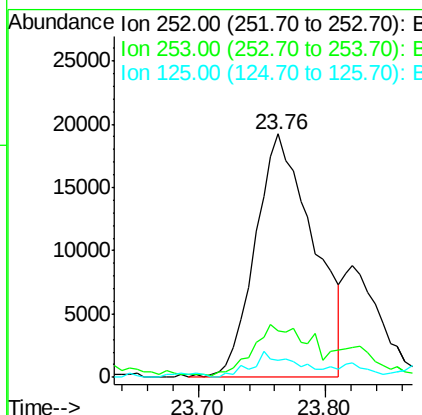
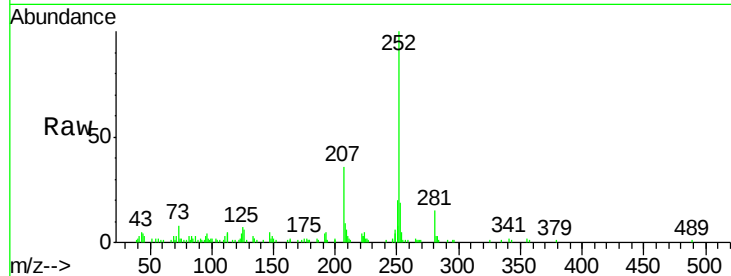




#88
Benzo(b)fluoranthene
Concen: 2.153 ng
RT: 23.76 min Scan# 3519
Delta R.T. -0.00 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 61097
Ion Ratio Lower Upper
252 100
253 19.2 18.1 27.1
125 6.8 5.0 7.6



#89
Benzo(k)fluoranthene
Concen: 2.292 ng
RT: 23.76 min Scan# 3519
Delta R.T. -0.07 min
Lab File: BG045463.D
Acq: 26 May 2020 18:55

Tgt Ion:252 Resp: 61097
Ion Ratio Lower Upper
252 100
253 19.2 18.4 27.6
125 6.8 5.7 8.5

