

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045488.D
 Acq On : 27 May 2020 23:01
 Operator : CG/JU
 Sample : L2746-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:46:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	100509	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	398515	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	270198	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	535789	20.00	ng	0.00
76) Chrysene-d12	21.61	240	459290	20.00	ng	0.00
87) Perylene-d12	24.76	264	507457	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	449916	87.48	ng	0.00
7) Phenol-d6	7.18	99	699295	95.53	ng	0.00
23) Nitrobenzene-d5	9.12	82	495751	67.84	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	330334	95.60	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1126645	70.73	ng	0.00
79) Terphenyl-d14	19.96	244	1448701	73.57	ng	0.00

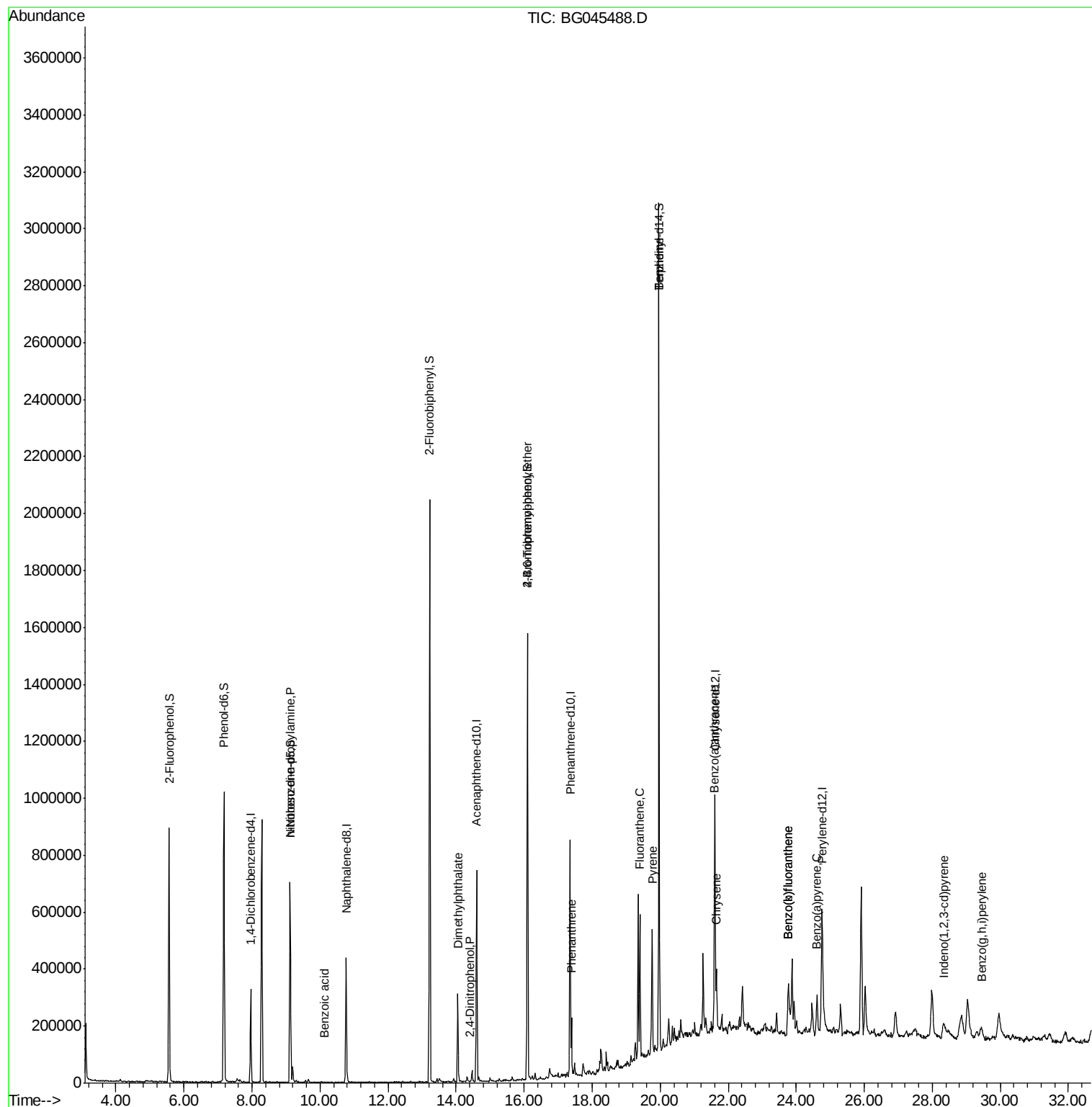
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	65862	13.011	ng	# 79
32) Benzoic acid	10.13	122	59	10.036	ng	# 52
50) Dimethylphthalate	14.05	163	211834	11.429	ng	99
54) 2,4-Dinitrophenol	14.41	184	71	5.483	ng	# 17
67) 4-Bromophenyl-phenylether	16.10	248	21862	3.768	ng	# 1
71) Phenanthrene	17.39	178	132055	5.646	ng	95
75) Fluoranthene	19.40	202	320976	10.789	ng	97
77) Benzidine	19.96	184	27110	2.102	ng	# 86
78) Pyrene	19.77	202	299721	11.448	ng	99
81) Benzo(a)anthracene	21.59	228	174655	6.826	ng	98
83) Chrysene	21.65	228	166325	6.761	ng	94
86) Indeno(1,2,3-cd)pyrene	28.33	276	102205	3.177	ng	# 56
88) Benzo(b)fluoranthene	23.76	252	243856	8.960	ng	# 95
89) Benzo(k)fluoranthene	23.76	252	243856	9.537	ng	96
90) Benzo(a)pyrene	24.61	252	176285	6.955	ng	97
92) Benzo(g,h,i)perylene	29.45	276	96174	3.775	ng	# 93

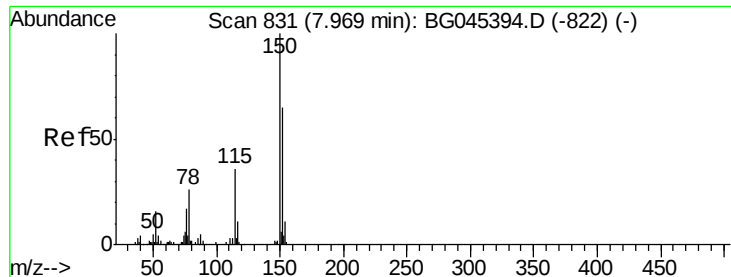
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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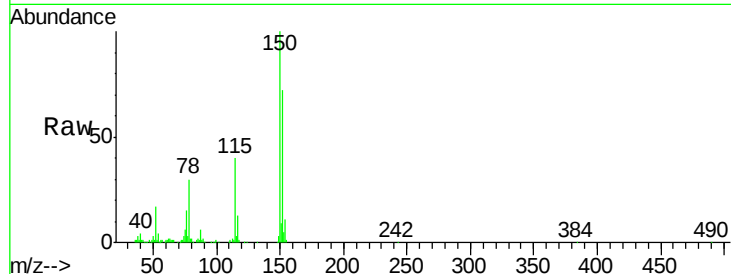


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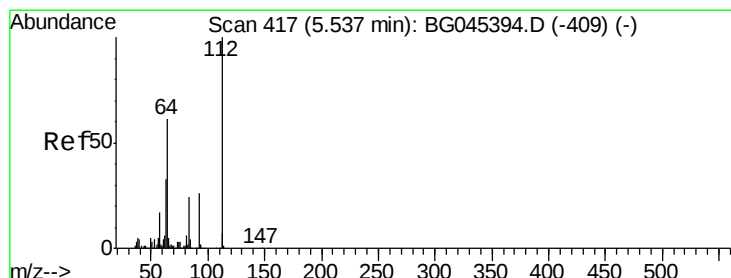
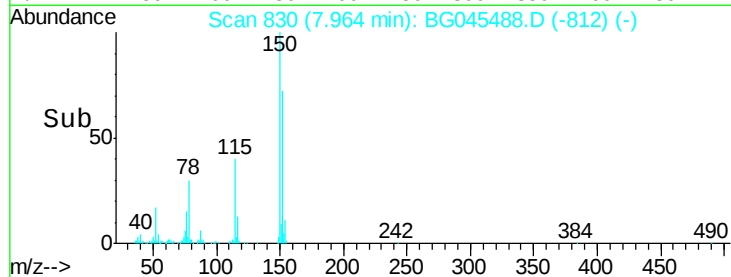
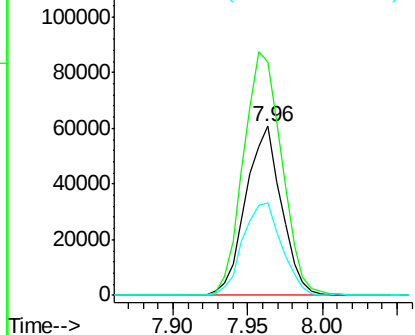
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.01 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.0	122.4	183.6
115	54.6	44.2	66.4



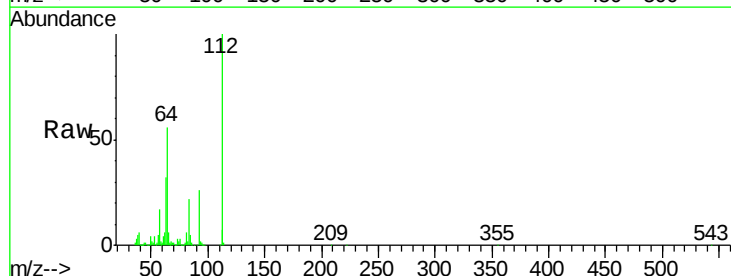
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



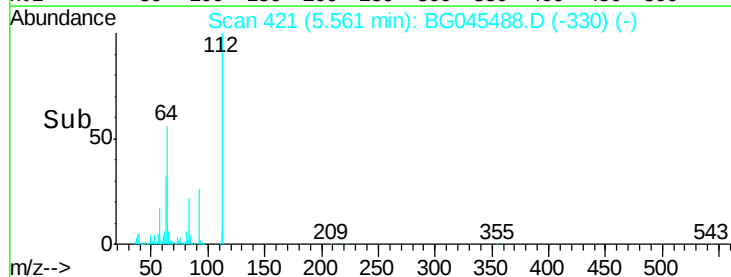
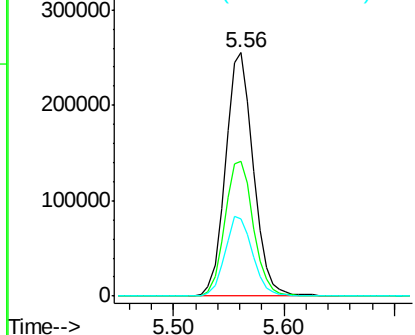
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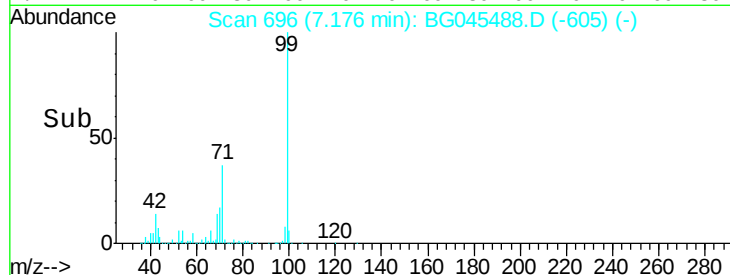
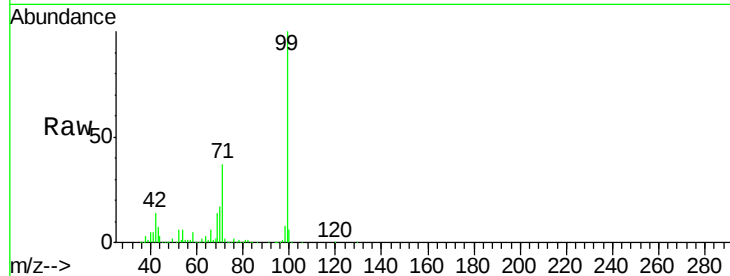
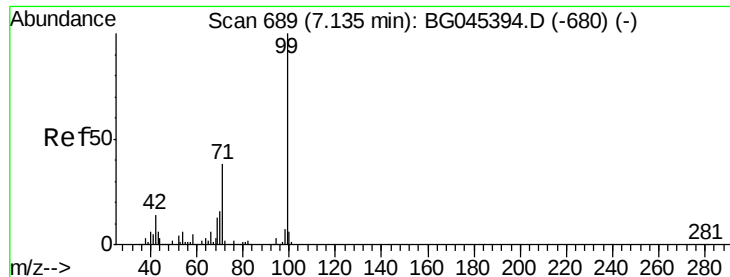
2-Fluorophenol
Concen: 87.482 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.01 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	48.6	72.8
63	31.6	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: 95.532 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

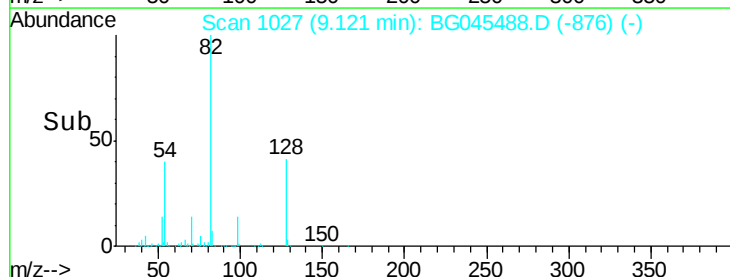
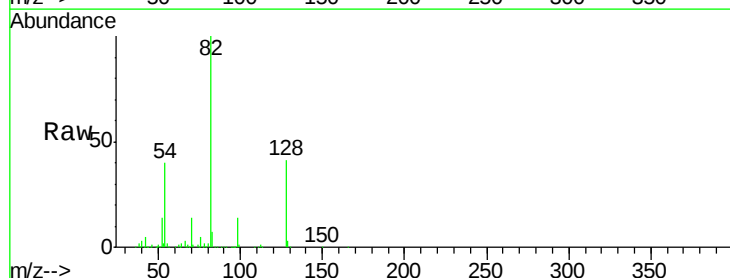
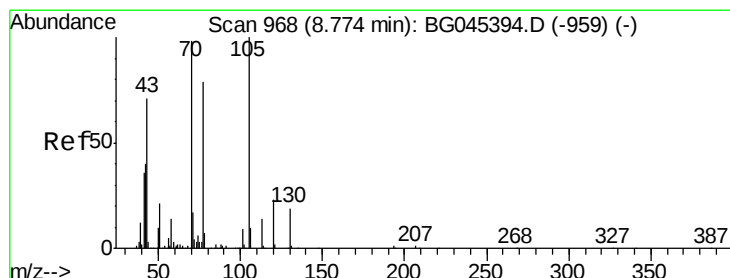
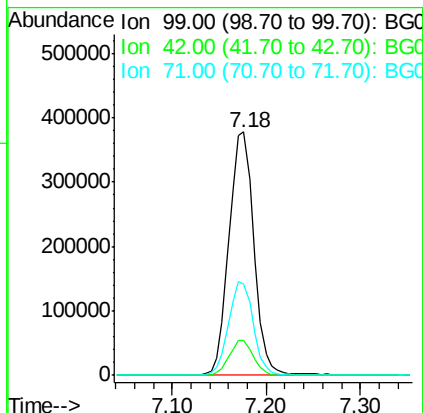
Tot Ion: 99 Resp: 699295

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 37.3 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.011 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Tgt Ion: 70 Resp: 65862

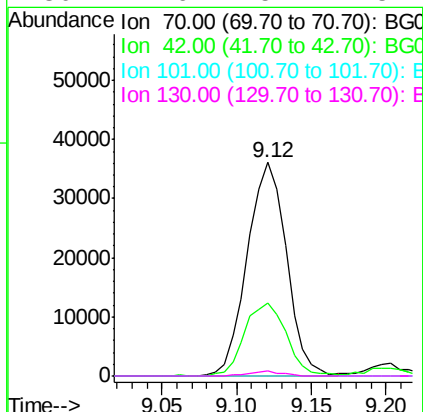
Ion Ratio Lower Upper

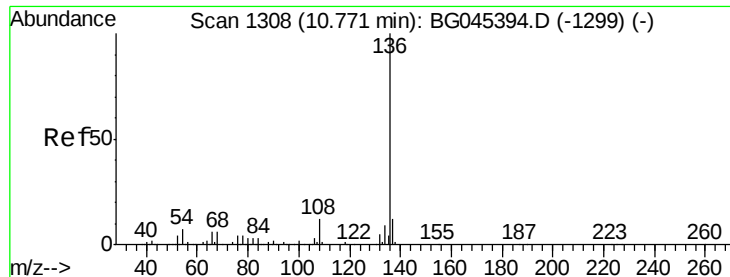
70 100

42 34.2 33.2 49.8

101 0.0 7.8 11.6#

130 2.6 15.4 23.2#

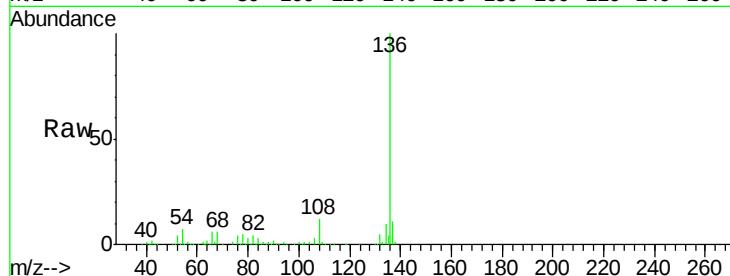




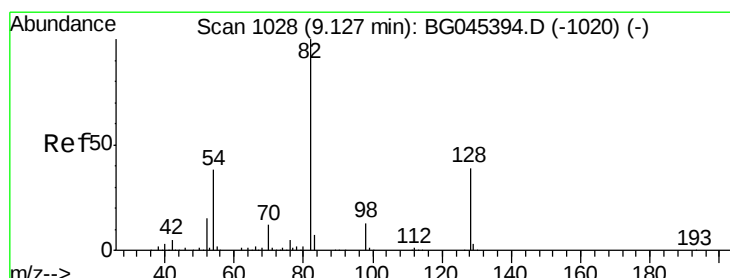
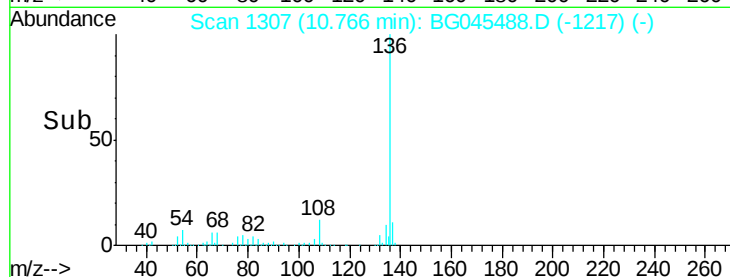
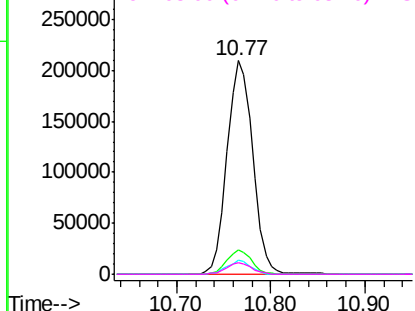
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	398515	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.4	14.2	
54 6.6	5.8	8.6	
68 5.6	4.5	6.7	

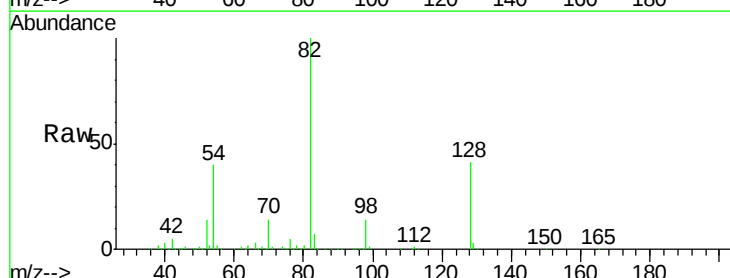


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

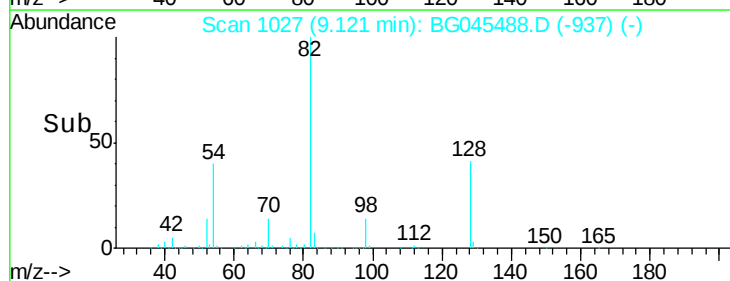
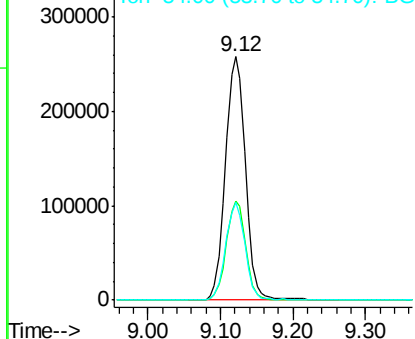


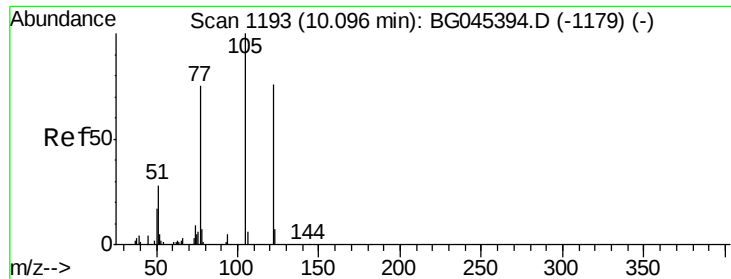
#23
Nitrobenzene-d5
Concen: 67.837 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Tgt	Ion: 82	Resp:	495751
Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.9	46.3
54	40.3	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

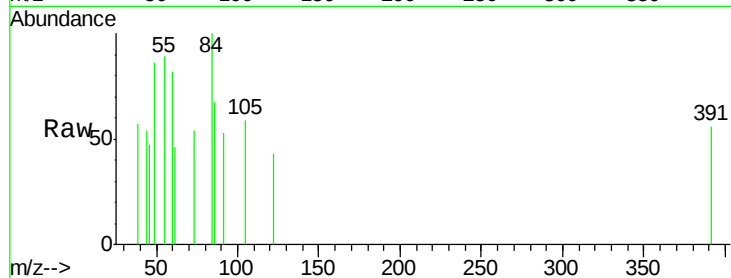




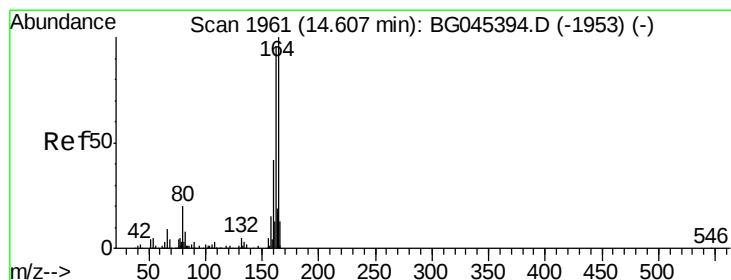
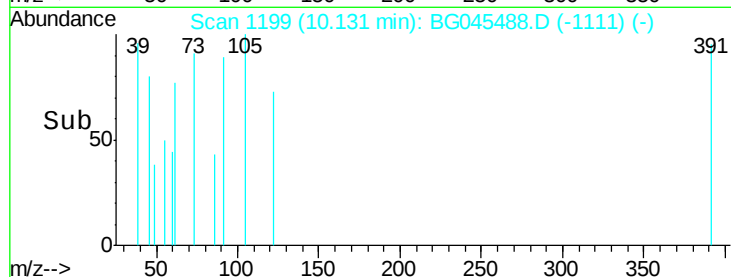
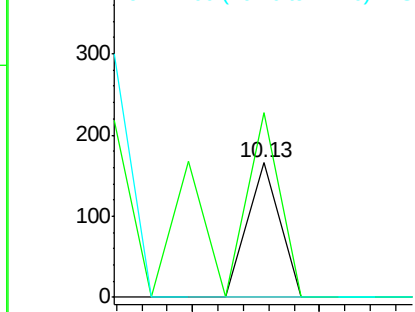
#32
Benzoic acid
Concen: 10.036 ng
RT: 10.13 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 137.3 107.9 147.9
77 0.0 78.9 118.9#

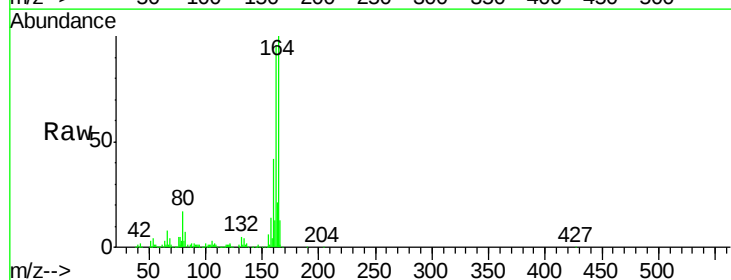


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

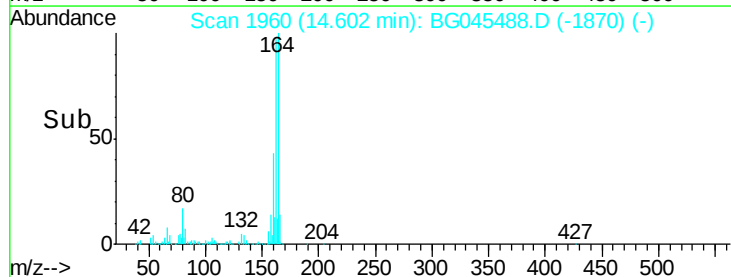
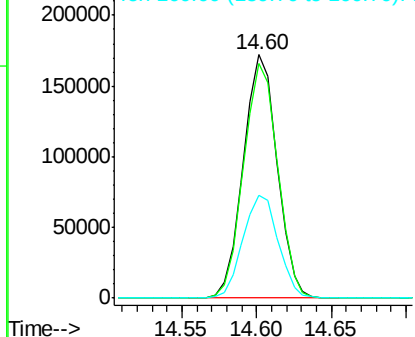


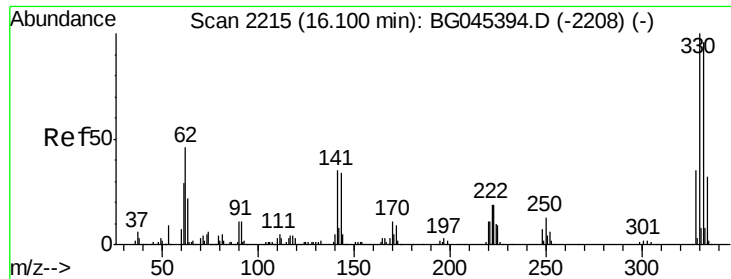
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Tgt Ion:164 Resp: 270198
Ion Ratio Lower Upper
164 100
162 96.2 76.9 115.3
160 42.4 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

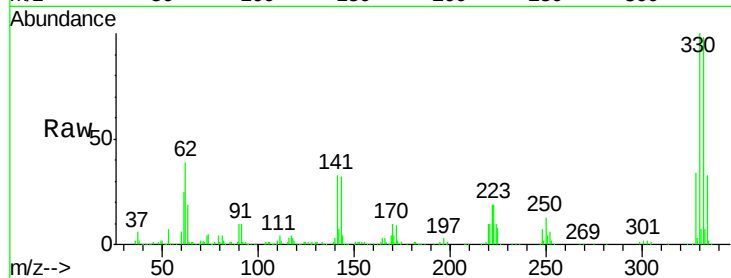




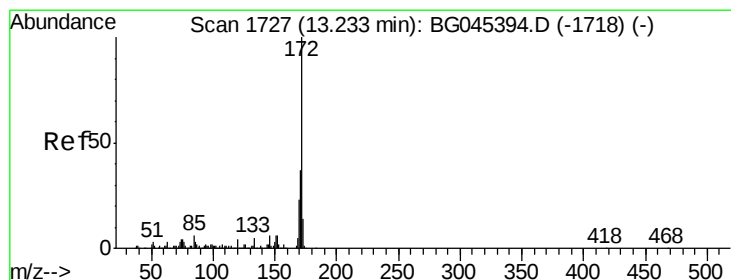
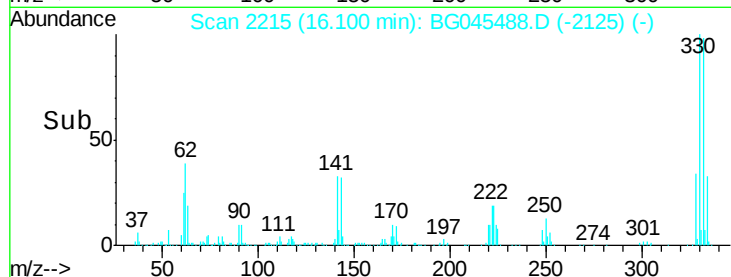
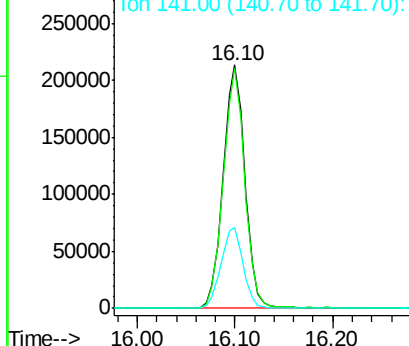
#42
 2,4,6-Tribromophenol
 Concen: 95.596 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045488.D
 Acq: 27 May 2020 23:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 330334
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.2 117.4
 141 34.1 28.2 42.4

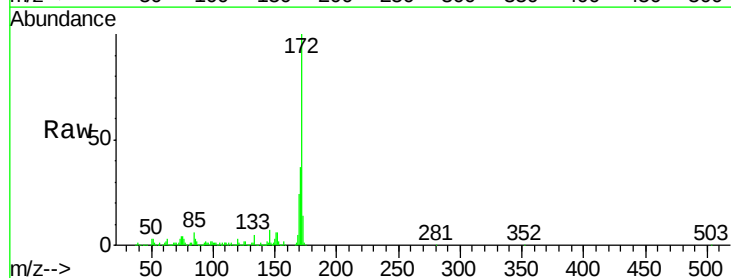


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

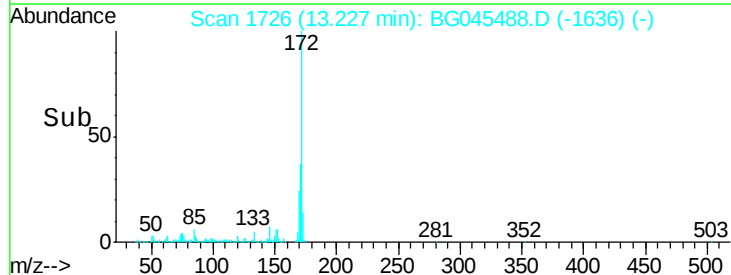
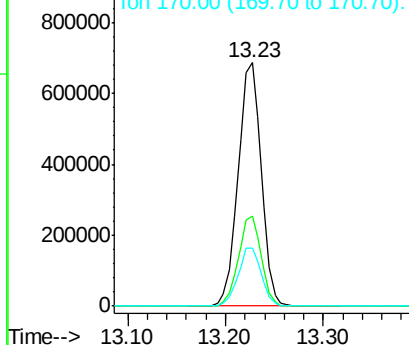


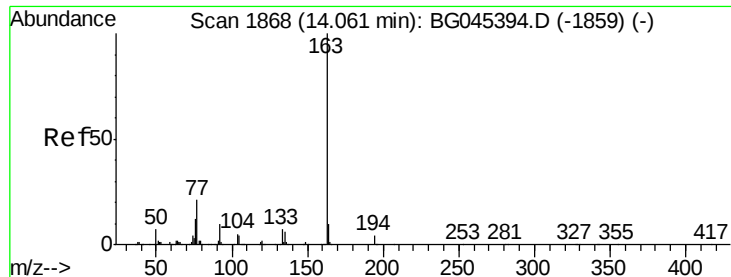
#45
 2-Fluorobiphenyl
 Concen: 70.727 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BG045488.D
 Acq: 27 May 2020 23:01

Tgt Ion:172 Resp: 1126645
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.5 44.3
 170 23.8 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

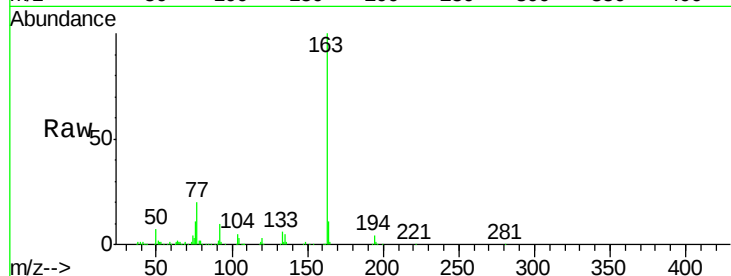




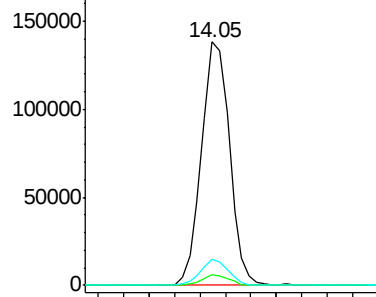
#50
Dimethylphthalate
Concen: 11.429 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Instrument :
BNA_G
ClientSampleId :

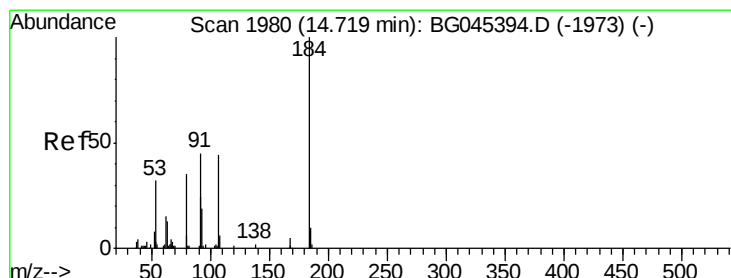
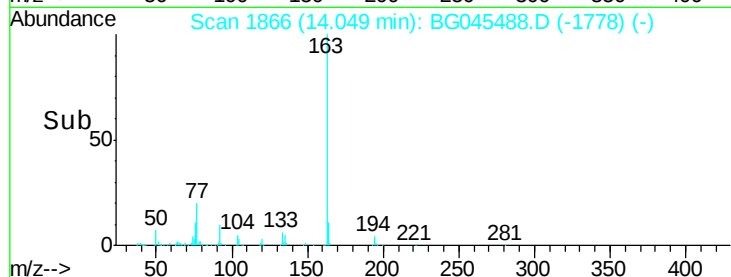
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.8	8.3	12.5



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

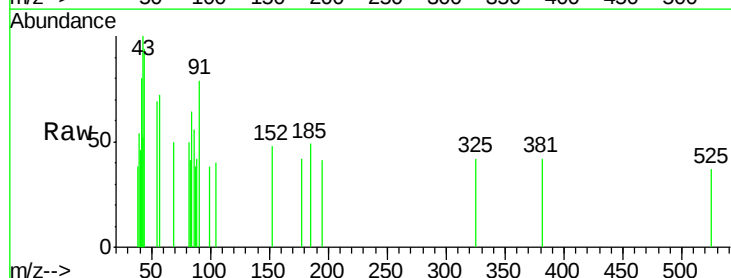


Time-->

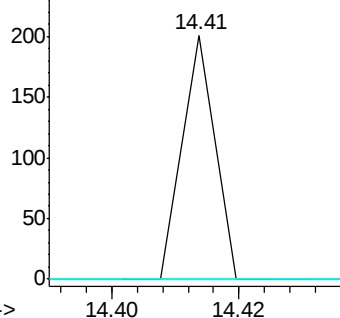


#54
2,4-Dinitrophenol
Concen: 5.483 ng
RT: 14.41 min Scan# 1928
Delta R.T. -0.31 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

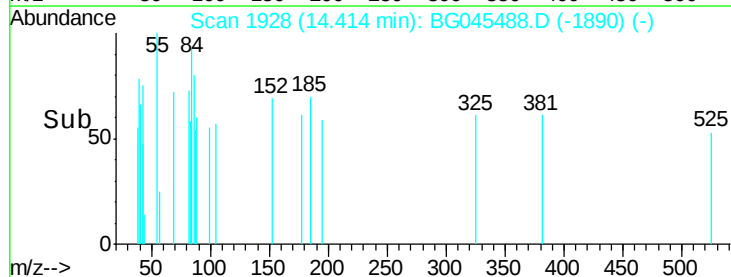
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	47.8	71.6#
154	0.0	58.3	87.5#

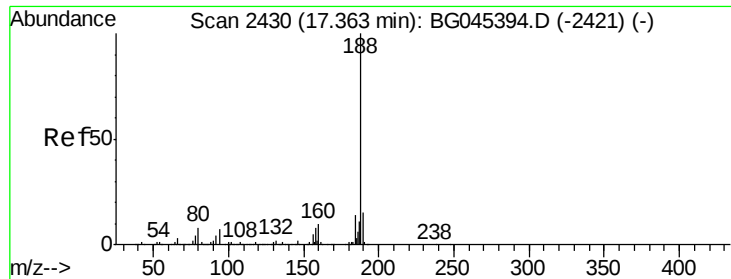


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

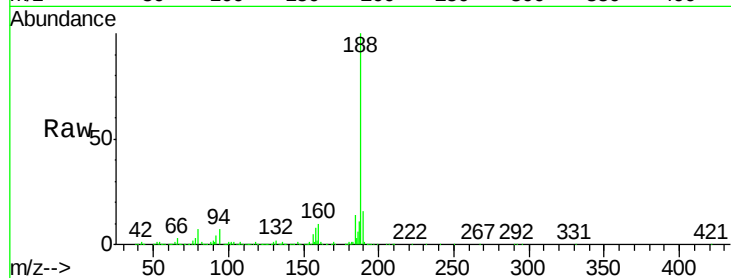
Tot Ion:188 Resp: 535789

Ion Ratio Lower Upper

188 100

94 7.0 5.5 8.3

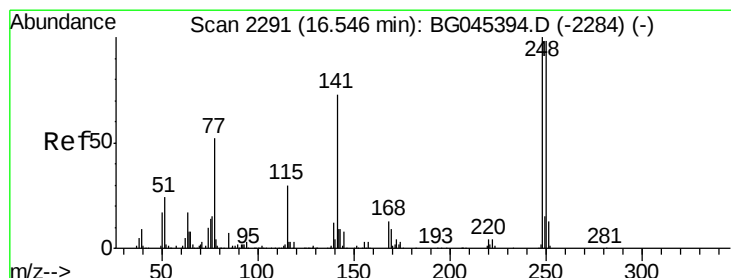
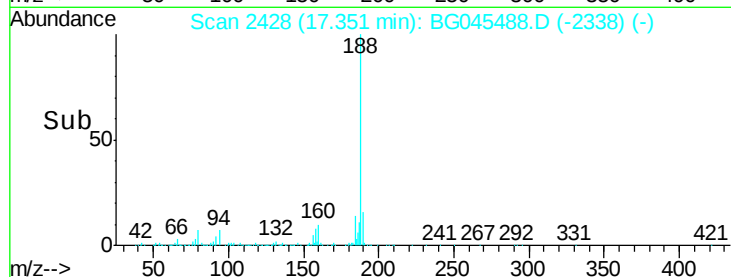
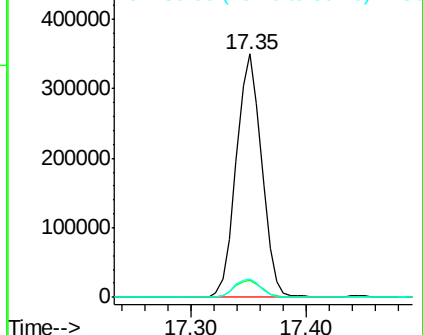
80 7.5 6.6 10.0



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: 3.768 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

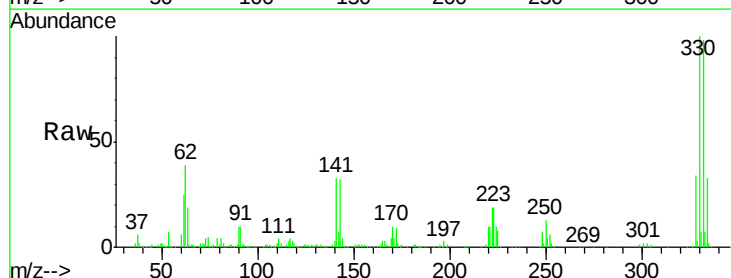
Tgt Ion:248 Resp: 21862

Ion Ratio Lower Upper

248 100

250 179.2 78.6 117.8#

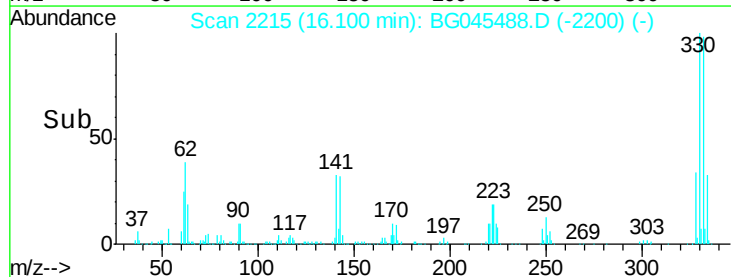
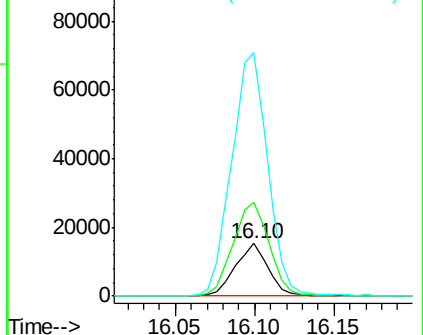
141 463.4 58.2 87.2#

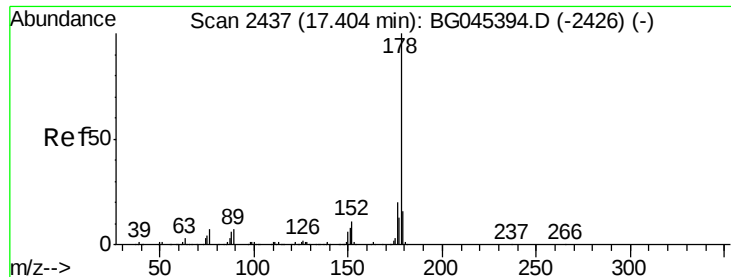


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

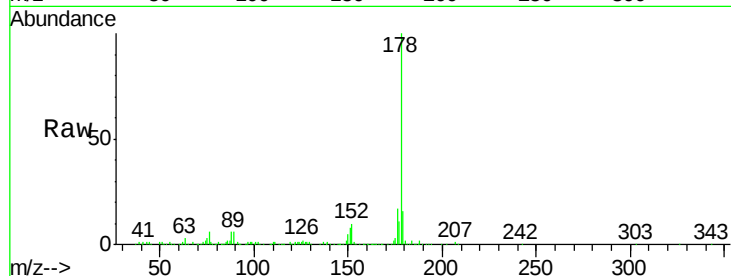




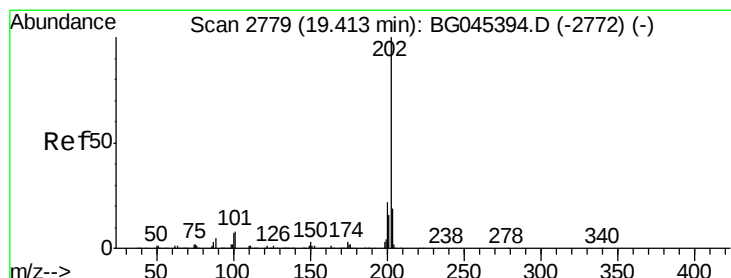
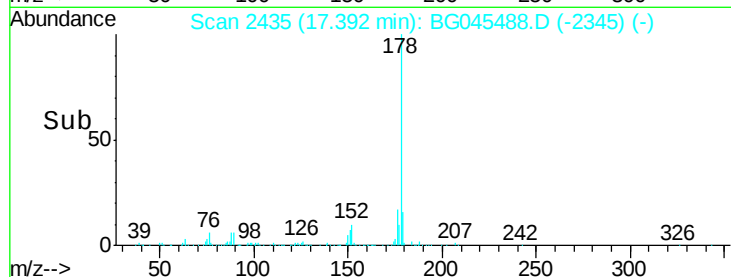
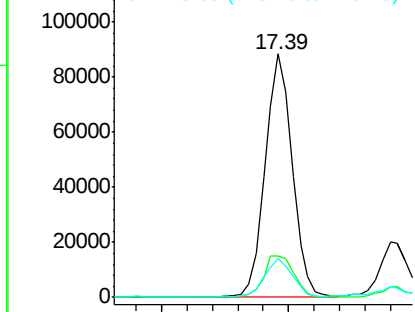
#71
Phenanthrene
Concen: 5.646 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	16.8	16.2	24.4	
179	15.9	13.1	19.7	

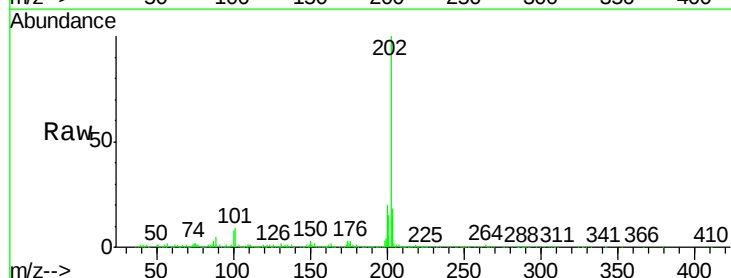


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

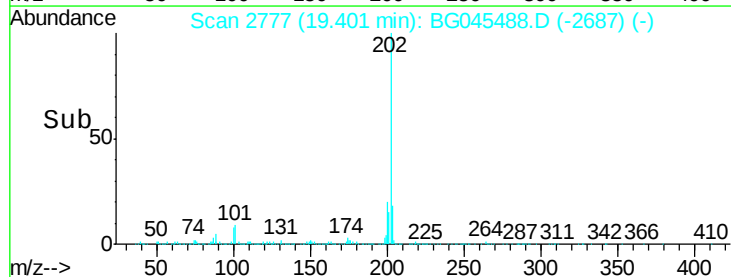
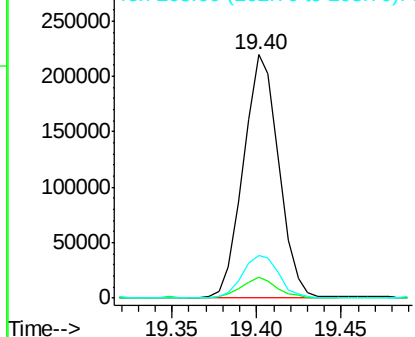


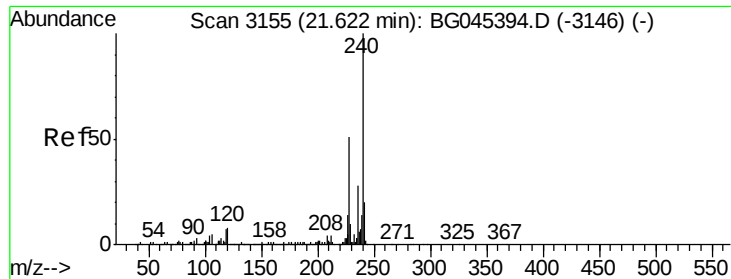
#75
Fluoranthene
Concen: 10.789 ng
RT: 19.40 min Scan# 2777
Delta R.T. -0.00 min
Lab File: BG045488.D
Acq: 27 May 2020 23:01

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	8.7	0.0	28.3	
203	17.6	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# 3153

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

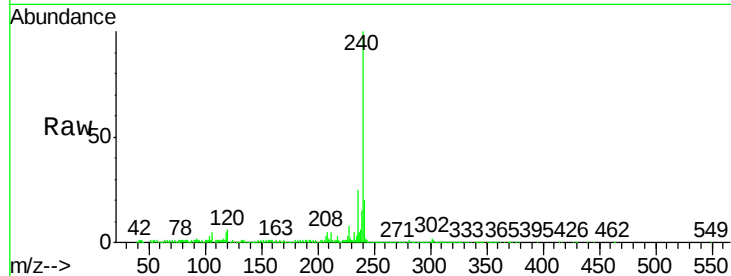
Tot Ion:240 Resp: 459290

Ion Ratio Lower Upper

240 100

120 5.8 6.1 9.1#

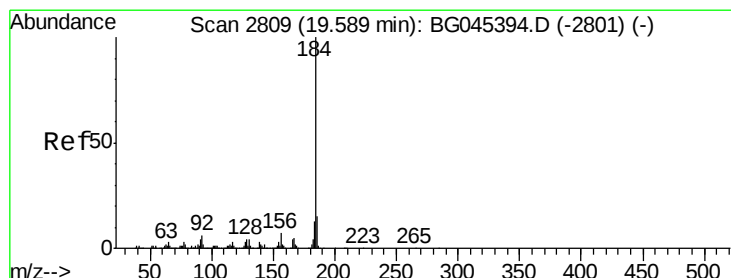
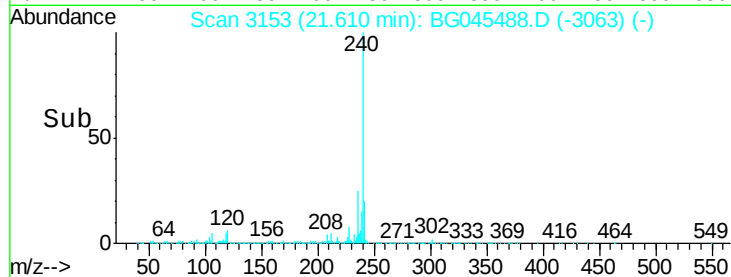
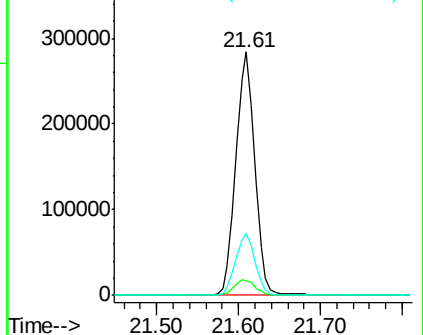
236 25.4 22.3 33.5



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: 2.102 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

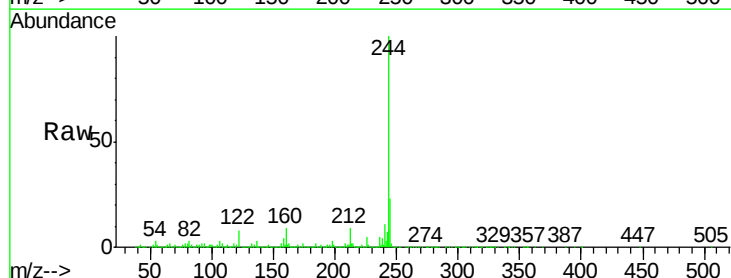
Tgt Ion:184 Resp: 27110

Ion Ratio Lower Upper

184 100

185 19.7 11.7 17.5#

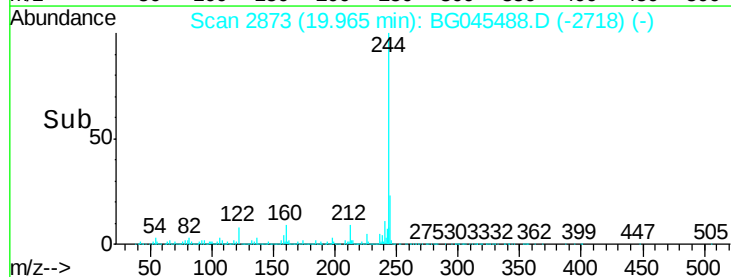
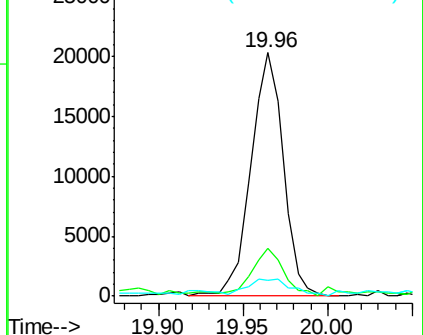
183 6.3 10.2 15.4#

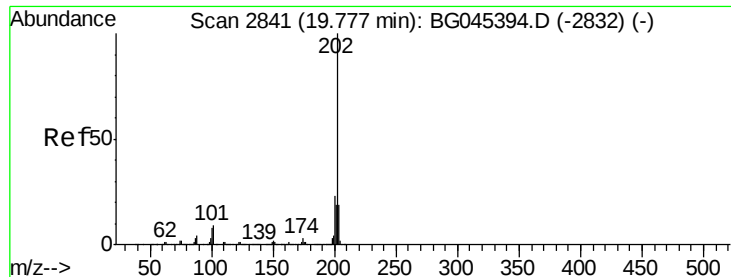


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 11.448 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

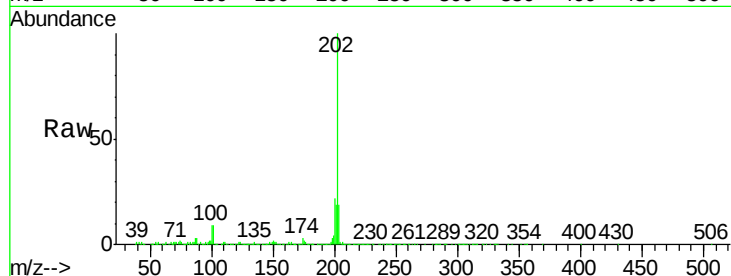
Tot Ion:202 Resp: 299721

Ion Ratio Lower Upper

202 100

200 21.6 18.2 27.2

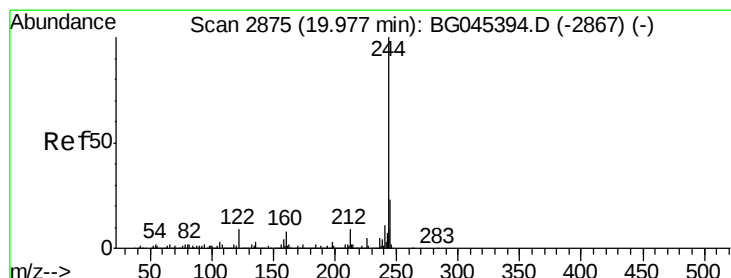
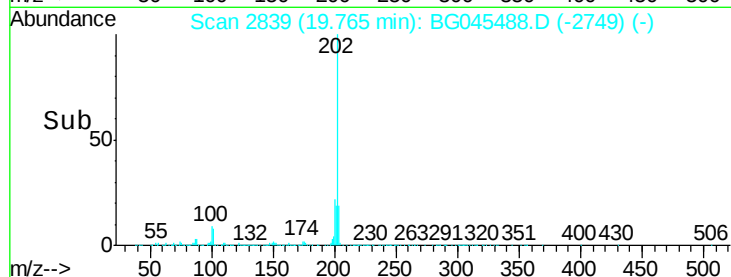
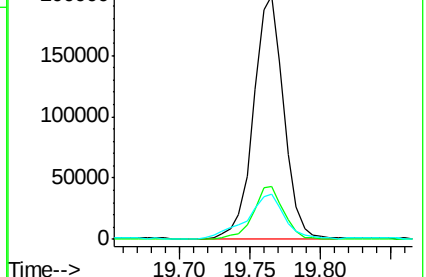
203 18.6 15.1 22.7



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: 73.566 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

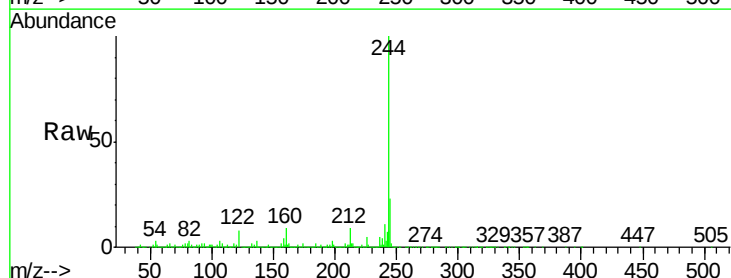
Tgt Ion:244 Resp: 1448701

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

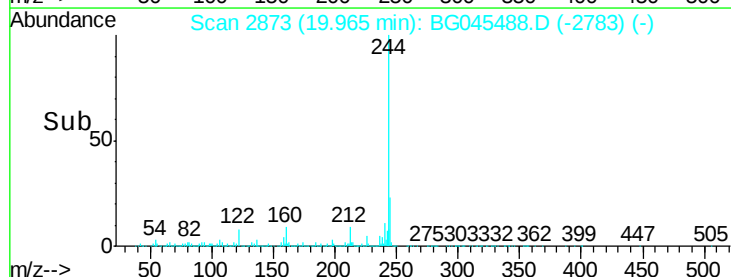
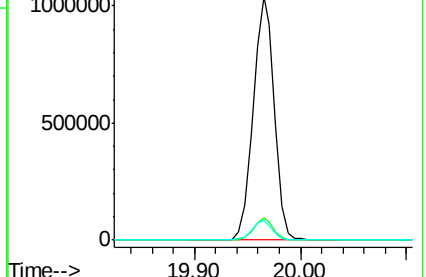
122 8.1 6.8 10.2

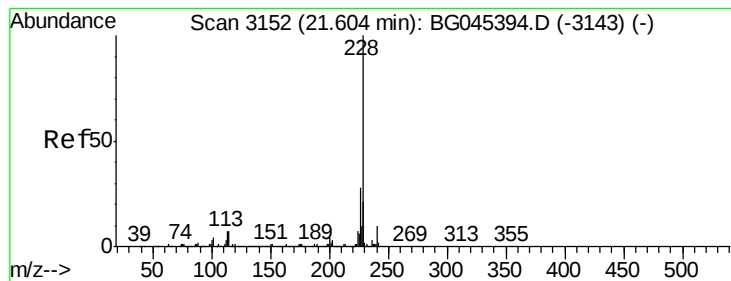


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.826 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

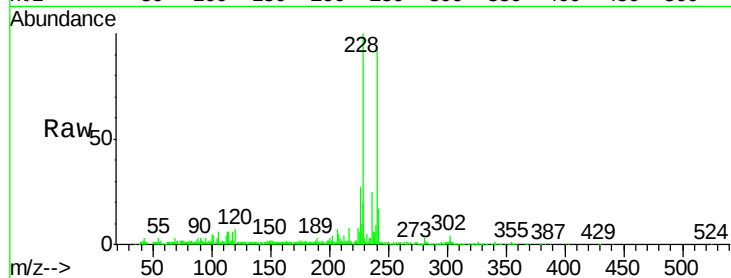
Tot Ion:228 Resp: 174655

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

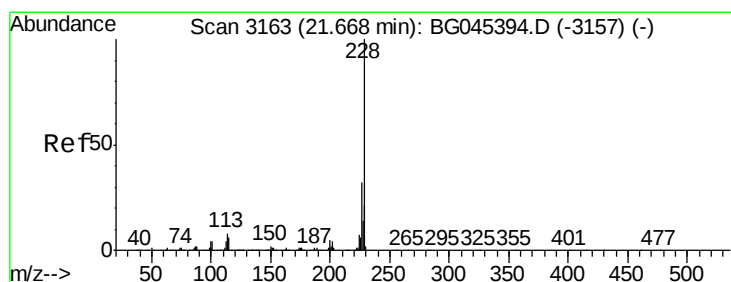
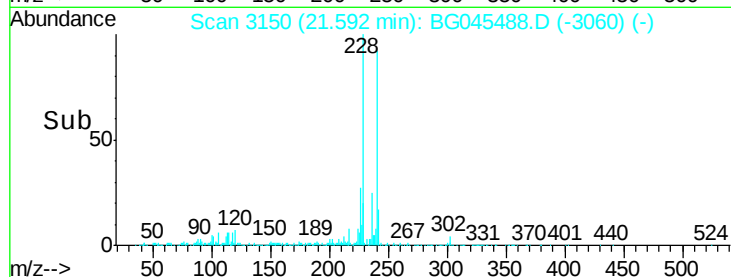
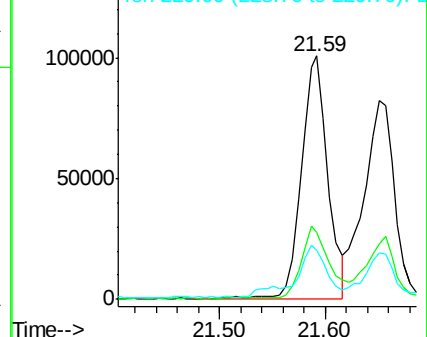
229 20.3 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.761 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

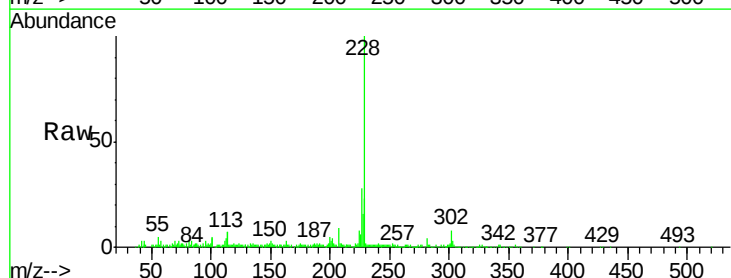
Tgt Ion:228 Resp: 166325

Ion Ratio Lower Upper

228 100

226 28.1 25.2 37.8

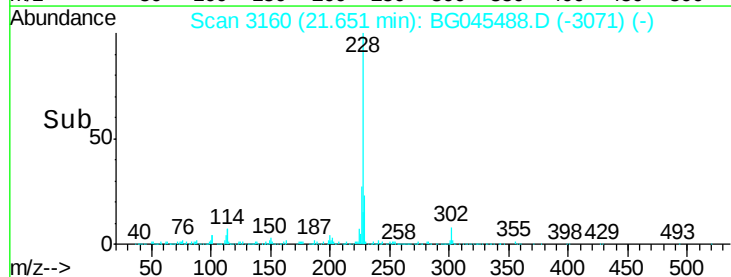
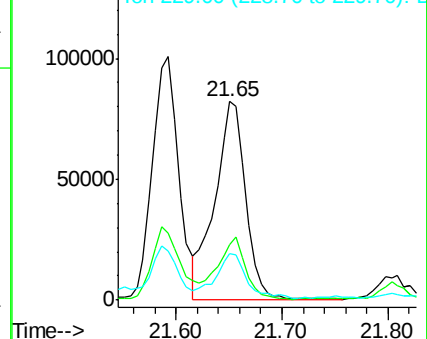
229 23.3 16.7 25.1

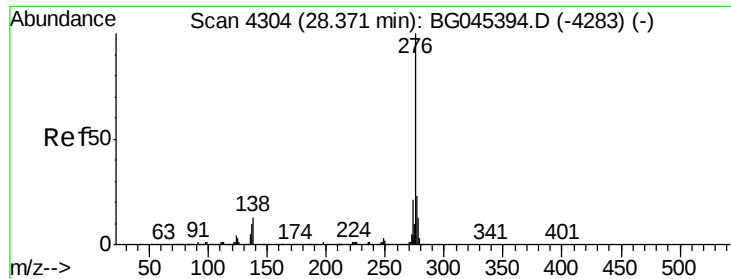


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.177 ng

RT: 28.33 min Scan# 4297

Delta R.T. 0.01 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampleId :

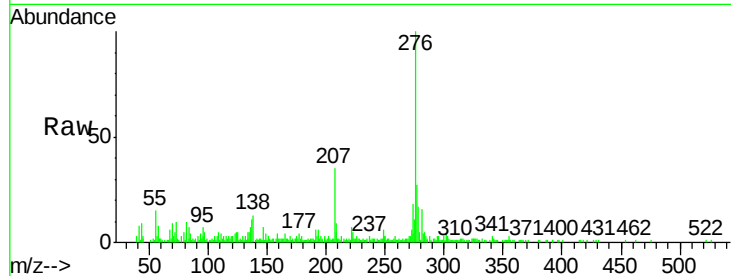
Tot Ion:276 Resp: 102205

Ion Ratio Lower Upper

276 100

138 0.0 8.6 12.8#

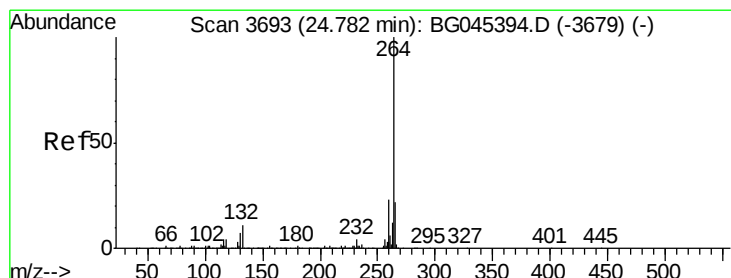
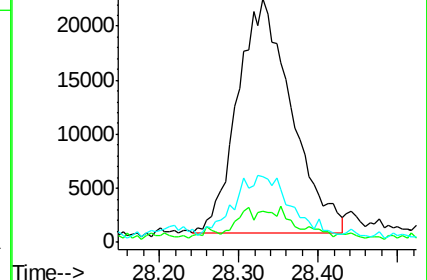
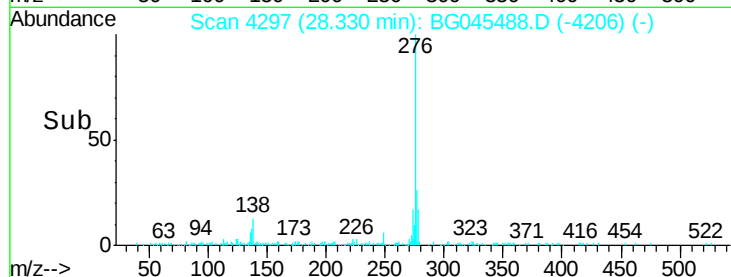
277 0.0 20.2 30.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3690

Delta R.T. 0.01 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

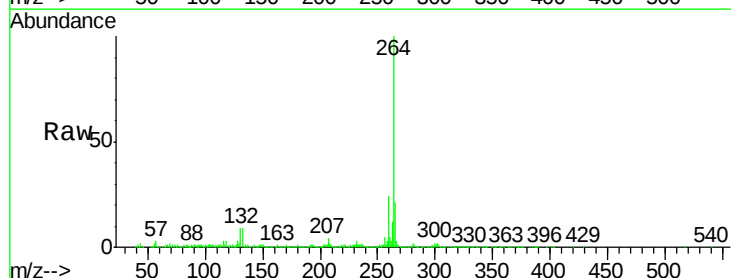
Tgt Ion:264 Resp: 507457

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

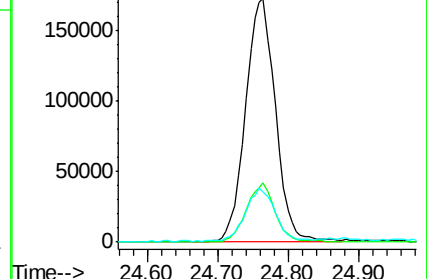
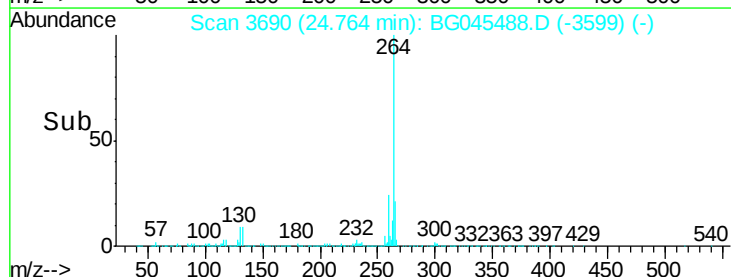
265 20.9 17.6 26.4

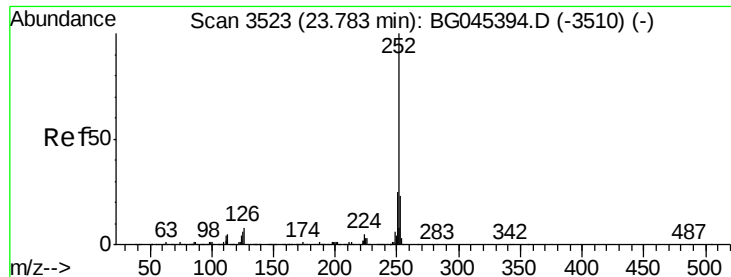


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 8.960 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Instrument :

BNA_G

ClientSampled :

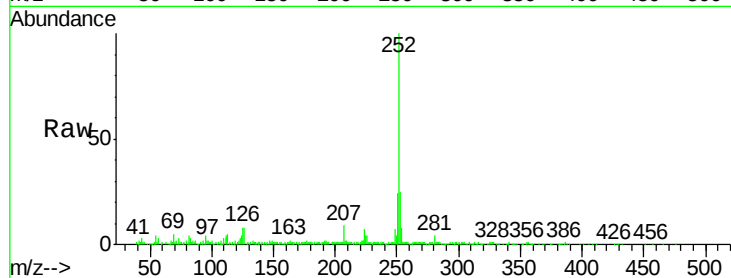
Tot Ion:252 Resp: 243856

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

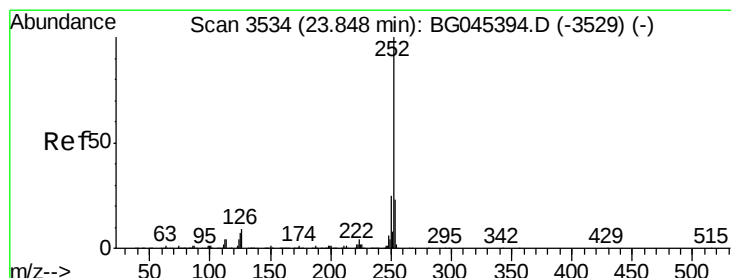
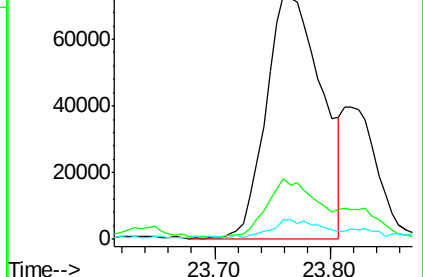
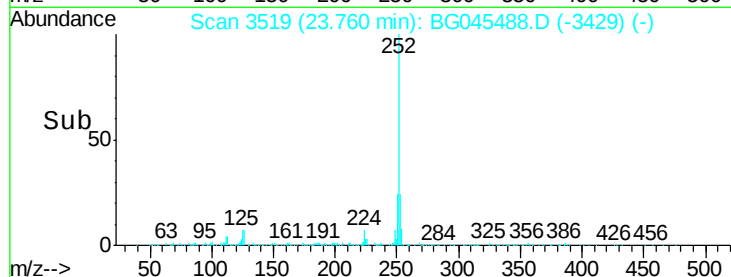
125 8.3 5.0 7.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.537 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.06 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

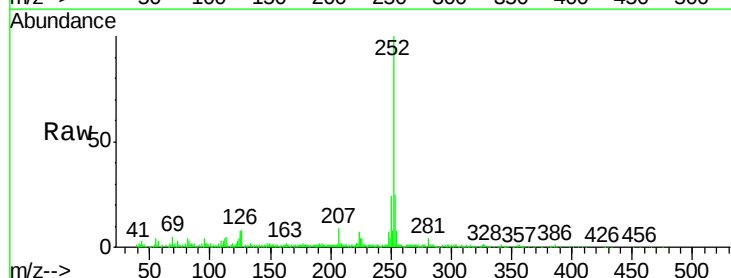
Tgt Ion:252 Resp: 243856

Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

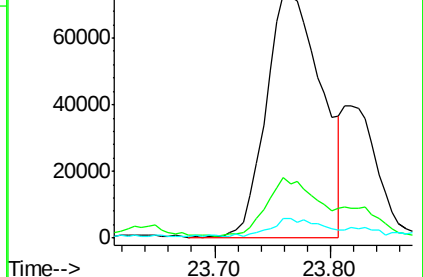
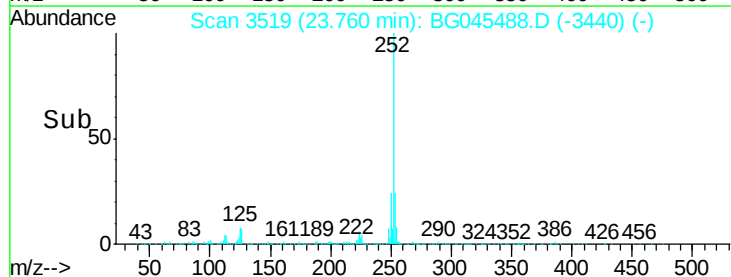
125 8.3 5.7 8.5

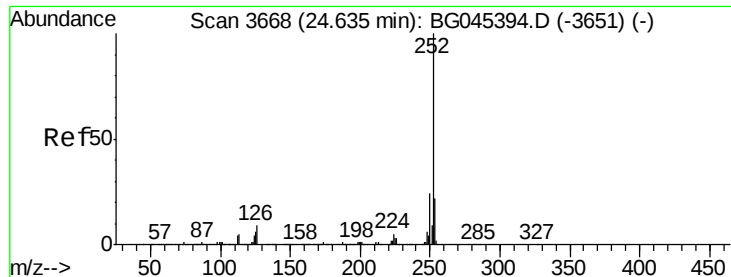


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.955 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

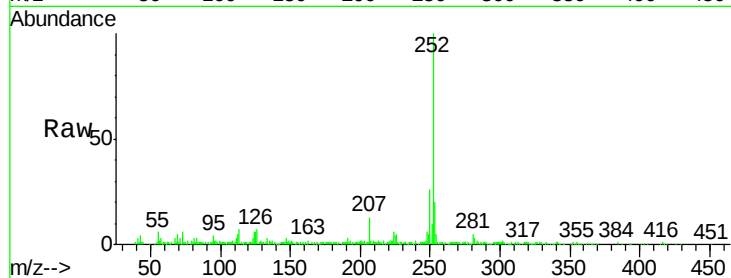
Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 176285

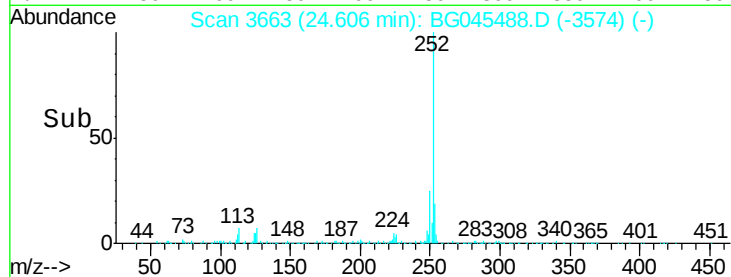
Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.2	25.8
125	6.2	5.0	7.6



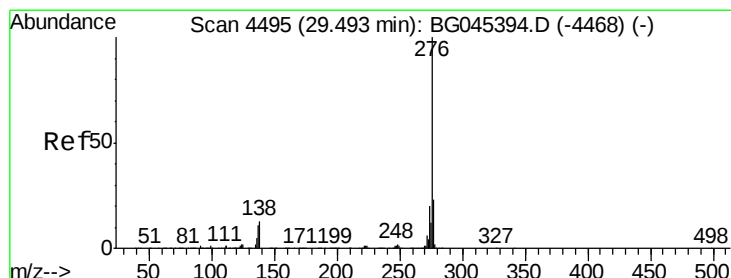
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#92

Benzo(g,h,i)perylene

Concen: 3.775 ng

RT: 29.45 min Scan# 4487

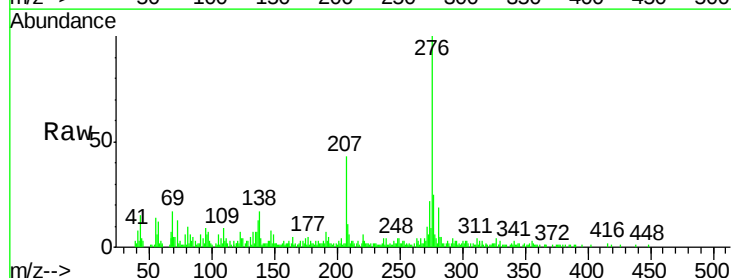
Delta R.T. -0.00 min

Lab File: BG045488.D

Acq: 27 May 2020 23:01

Tgt Ion:276 Resp: 96174

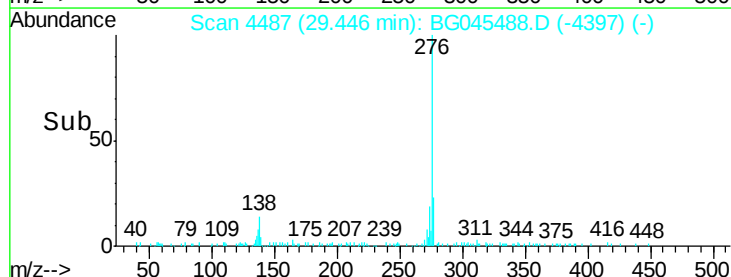
Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.1	27.1
138	16.8	10.2	15.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->