

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045483.D
 Acq On : 27 May 2020 19:37
 Operator : CG/JU
 Sample : L2744-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:43:36 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	105987	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	435518	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	296742	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	628063	20.00	ng	0.00
76) Chrysene-d12	21.61	240	557028	20.00	ng	0.00
87) Perylene-d12	24.75	264	609187	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	479385	88.39	ng	0.00
7) Phenol-d6	7.17	99	744928	96.51	ng	0.00
23) Nitrobenzene-d5	9.12	82	515921	64.60	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	368041	96.98	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1221941	69.85	ng	0.00
79) Terphenyl-d14	19.97	244	1698659	71.12	ng	0.00

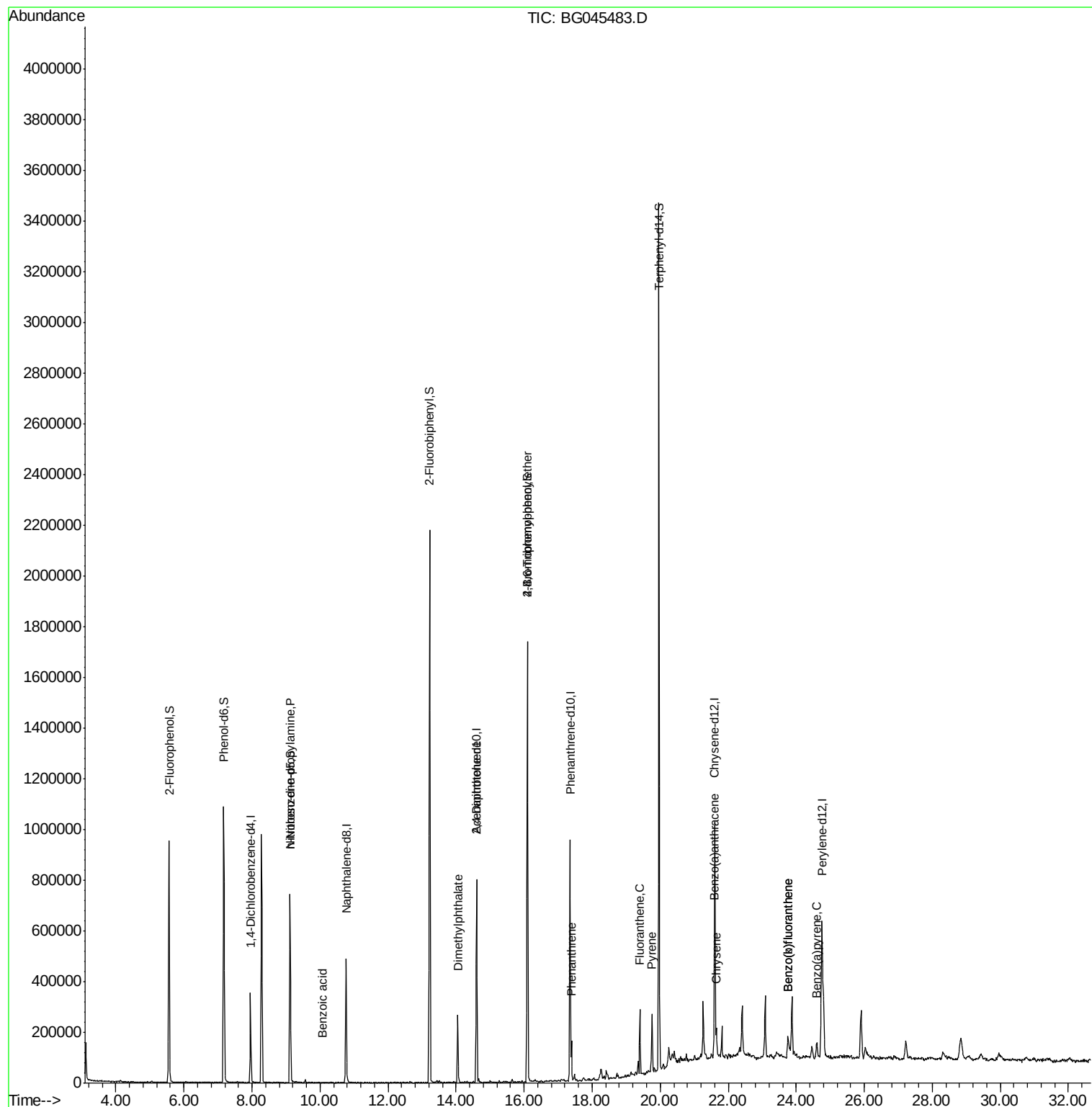
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	70959	13.294	ng	# 78
32) Benzoic acid	10.06	122	57	10.035	ng	# 1
50) Dimethylphthalate	14.05	163	182958	8.988	ng	# 96
57) 2,4-Dinitrotoluene	14.60	165	39064	5.872	ng	# 21
67) 4-Bromophenyl-phenylether	16.09	248	23367	3.436	ng	# 1
71) Phenanthrene	17.39	178	92469	3.373	ng	99
75) Fluoranthene	19.40	202	164044	4.704	ng	97
78) Pyrene	19.76	202	154848	4.877	ng	96
81) Benzo(a)anthracene	21.59	228	81674	2.632	ng	98
83) Chrysene	21.65	228	78322	2.625	ng	92
88) Benzo(b)fluoranthene	23.76	252	103354	3.163	ng	95
89) Benzo(k)fluoranthene	23.76	252	103354	3.367	ng	96
90) Benzo(a)pyrene	24.60	252	72689	2.389	ng	94

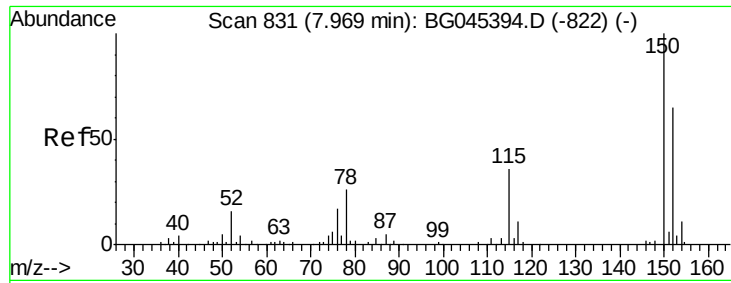
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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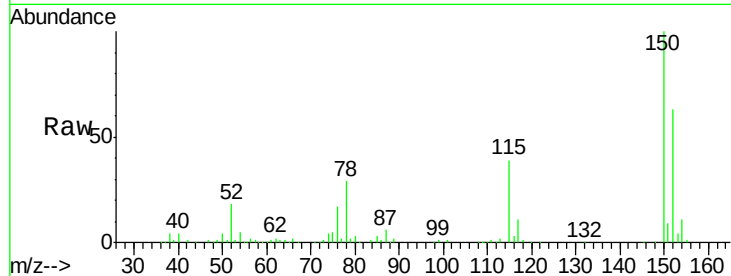




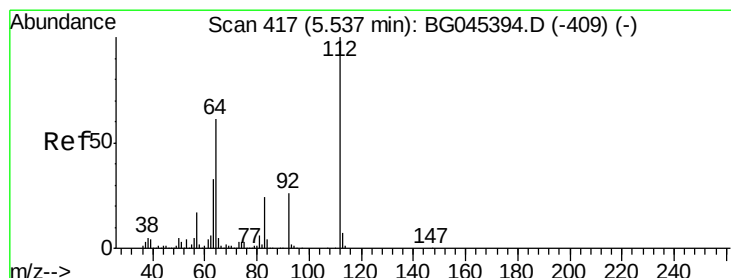
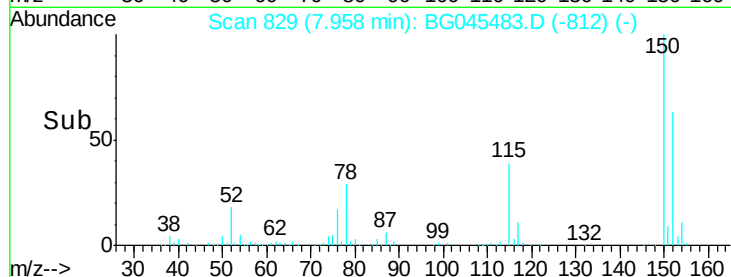
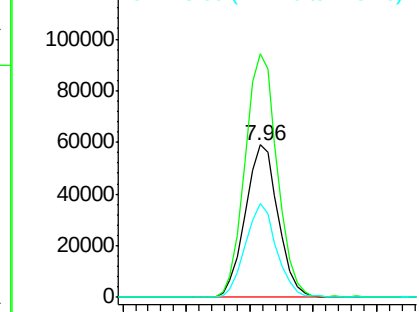
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.4	183.6
115	61.6	44.2	66.4

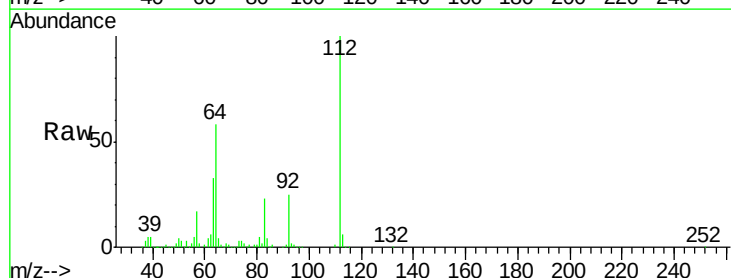


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

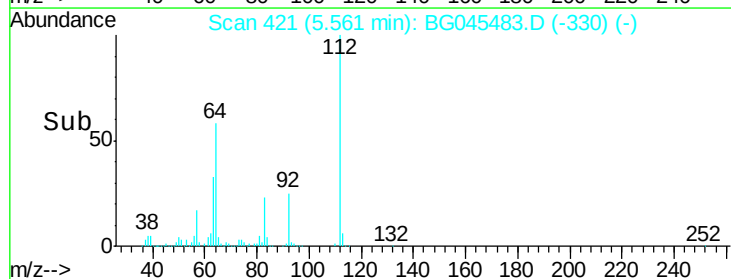
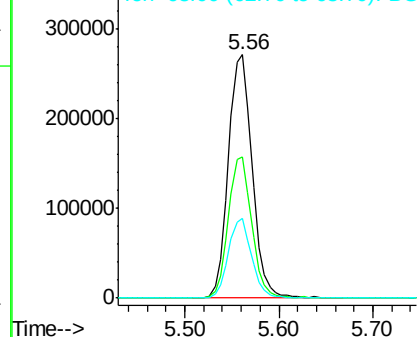


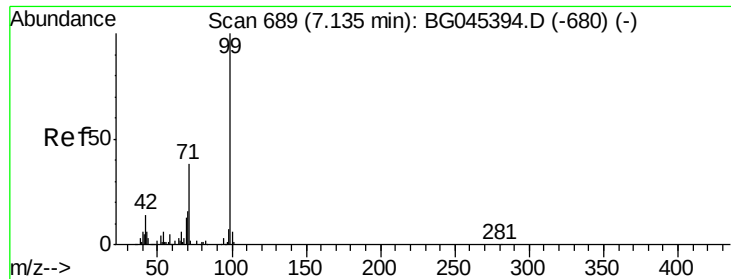
#5
 2-Fluorophenol
 Concen: 88.394 ng
 RT: 5.56 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.6	72.8
63	32.6	26.5	39.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 96.506 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampled :

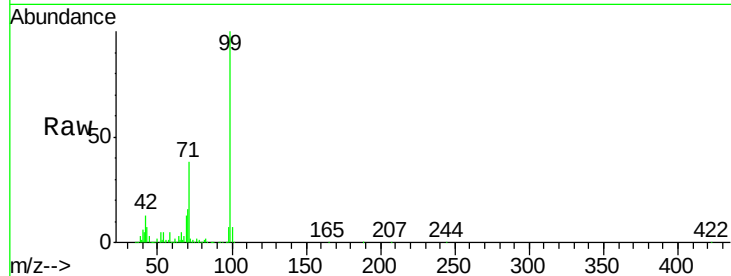
Tot Ion: 99 Resp: 744928

Ion Ratio Lower Upper

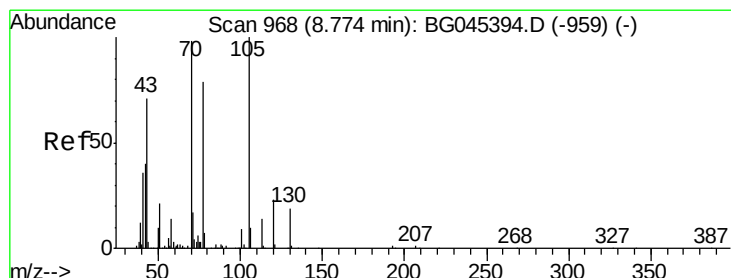
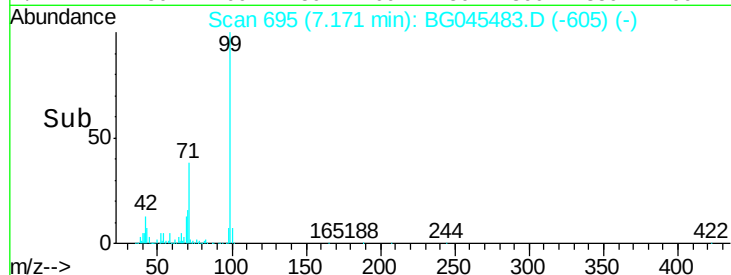
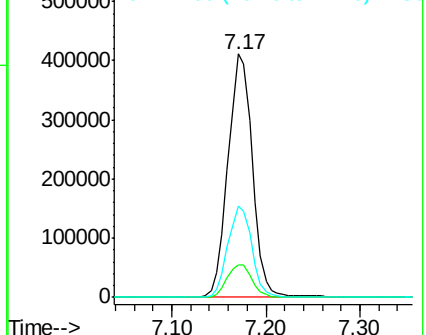
99 100

42 13.3 11.3 16.9

71 37.5 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: 13.294 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion: 70 Resp: 70959

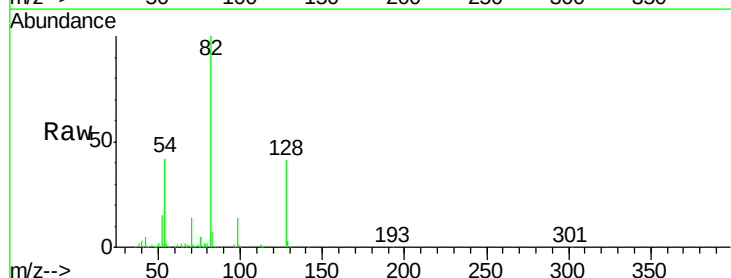
Ion Ratio Lower Upper

70 100

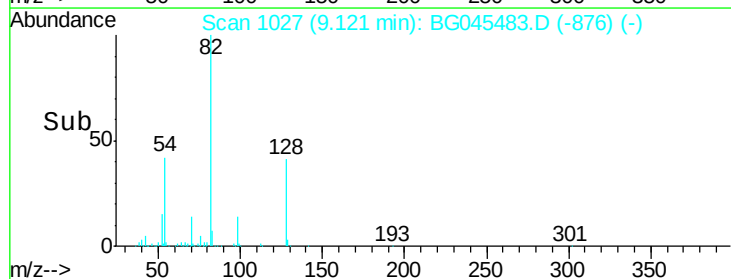
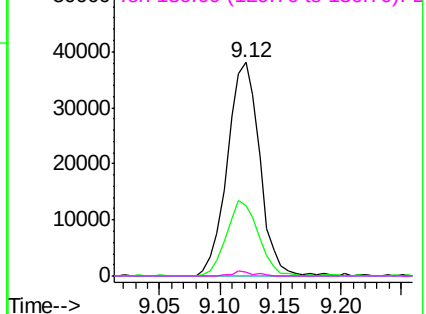
42 32.8 33.2 49.8#

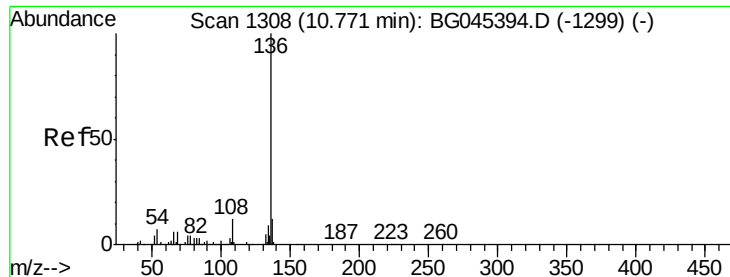
101 0.0 7.8 11.6#

130 1.7 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

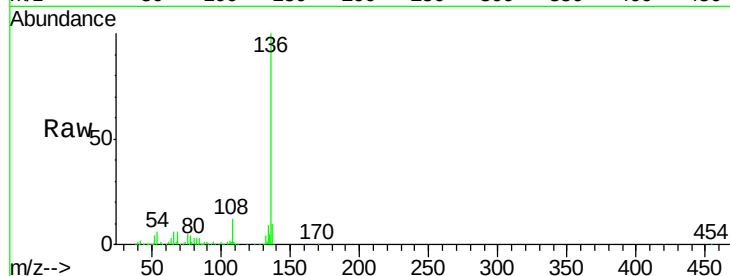




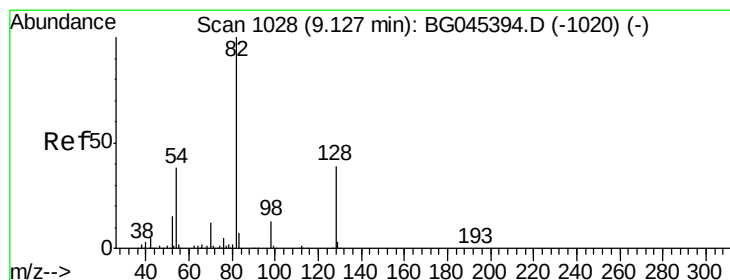
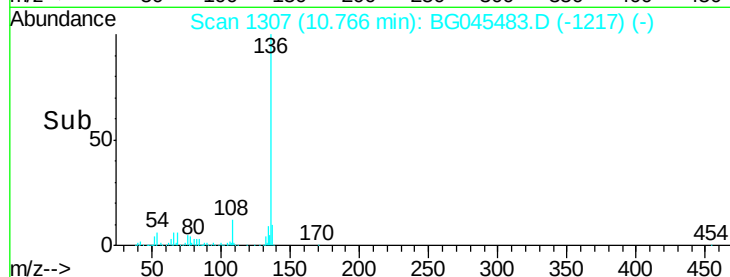
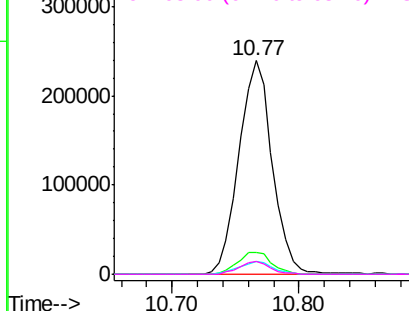
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	435518	
Ion Ratio	Lower	Upper	
136 100			
137 10.1	9.4	14.2	
54 5.9	5.8	8.6	
68 5.9	4.5	6.7	

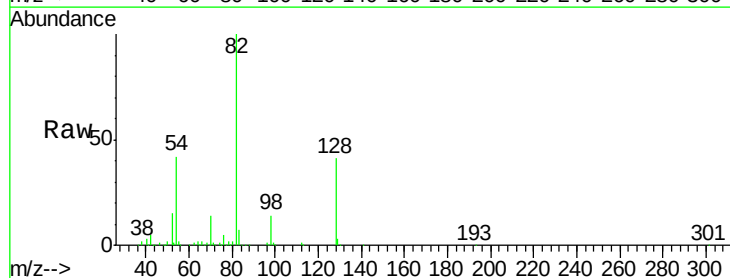


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

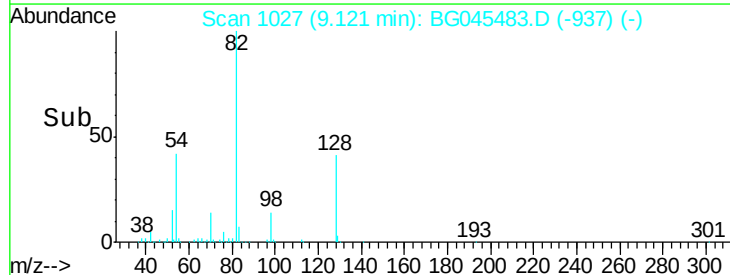
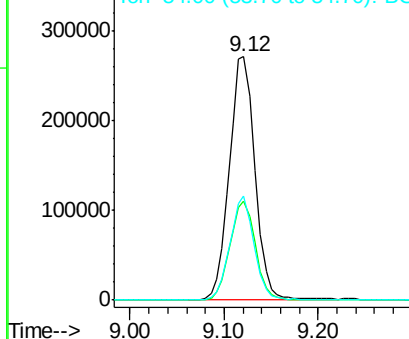


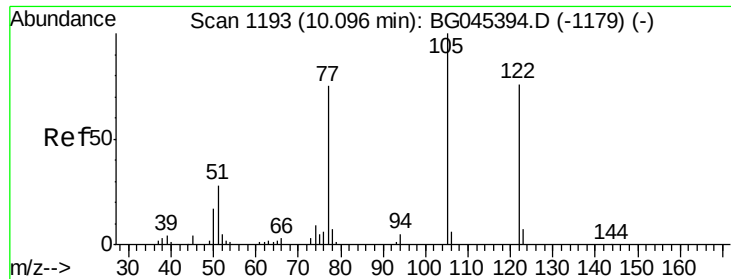
#23
Nitrobenzene-d5
Concen: 64.599 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Tgt Ion: 82	Resp: 515921
Ion Ratio	Lower Upper
82 100	
128 40.6	30.9 46.3
54 42.5	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: 10.035 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.08 min

Lab File: BG045483.D

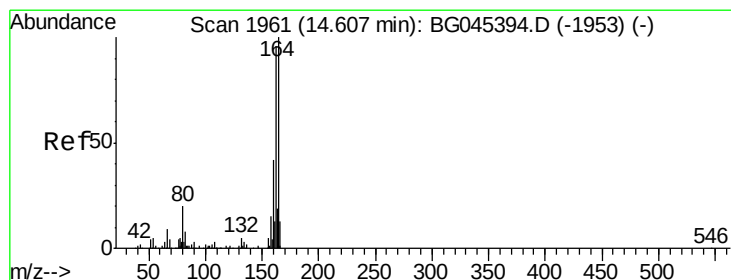
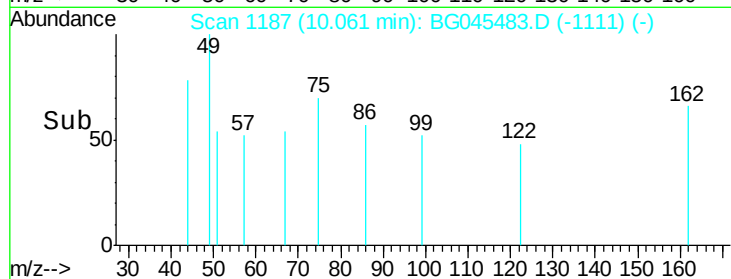
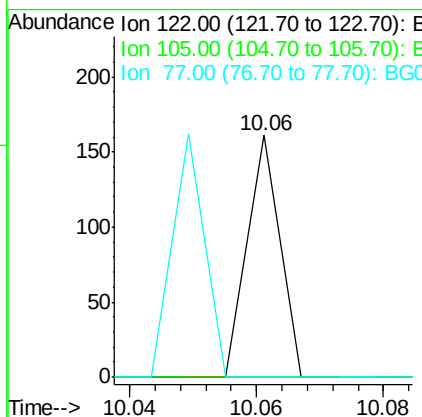
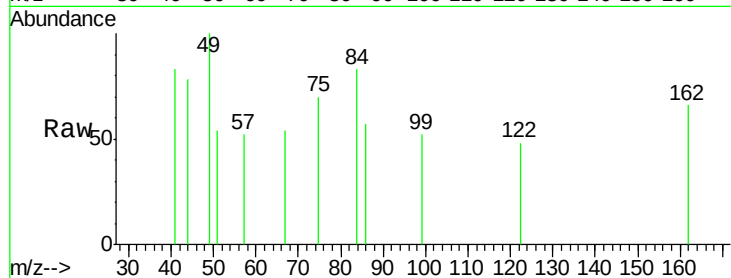
Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	122	Resp:	57
Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.9	147.9#
77	0.0	78.9	118.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

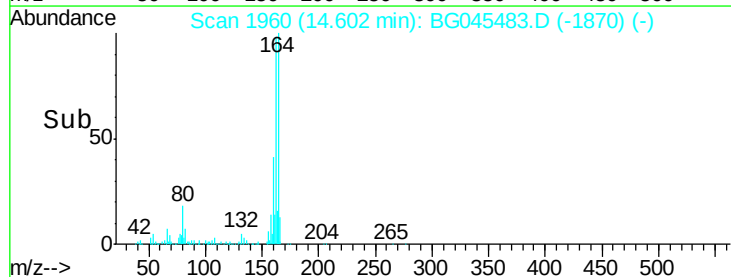
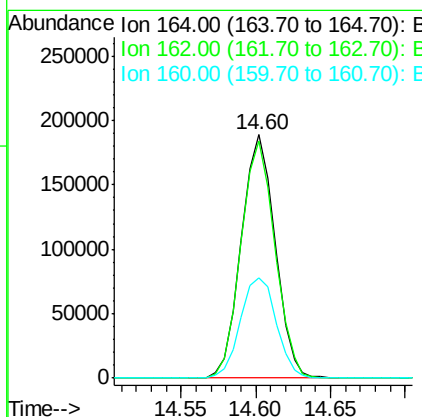
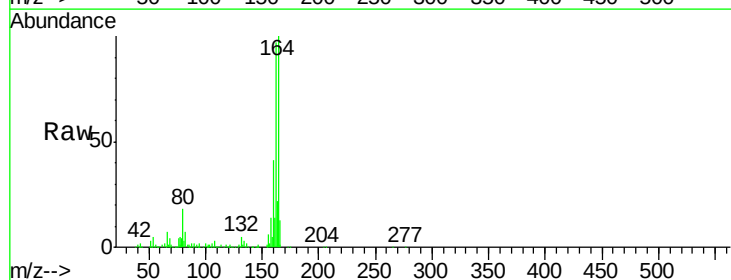
RT: 14.60 min Scan# 1960

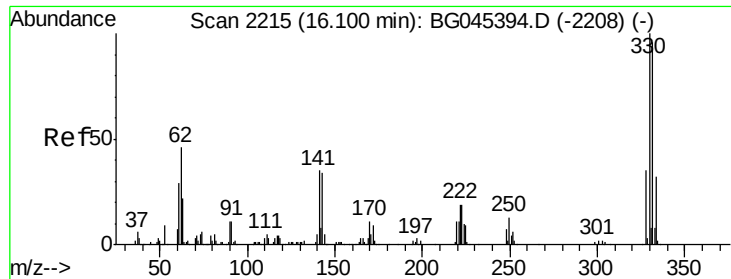
Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion:	164	Resp:	296742
Ion	Ratio	Lower	Upper
164	100		
162	97.3	76.9	115.3
160	41.0	33.8	50.8

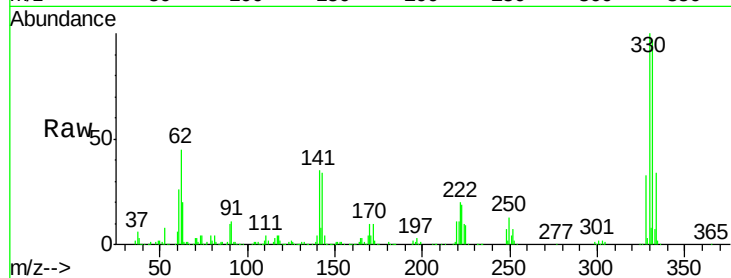




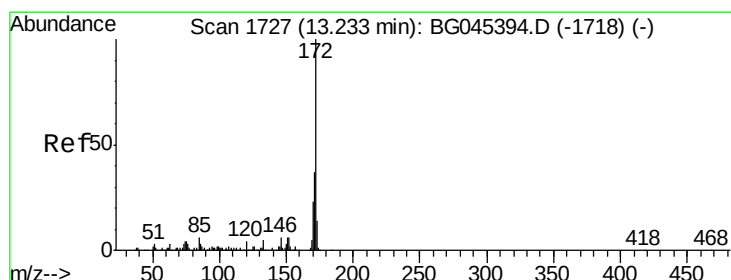
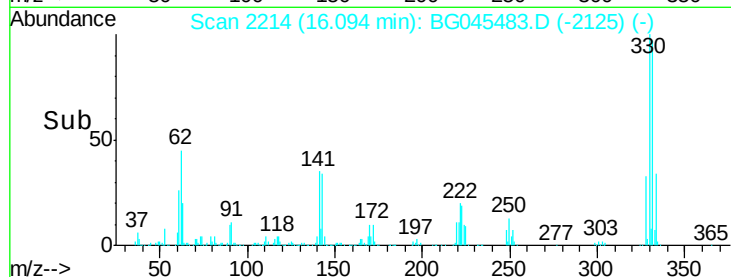
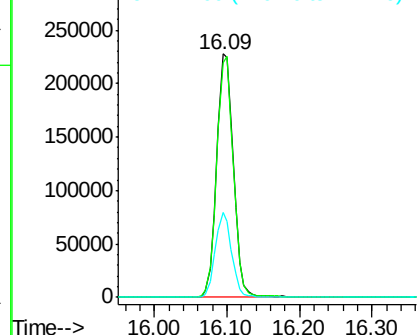
#42
 2,4,6-Tribromophenol
 Concen: 96.981 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 368041
 Ion Ratio Lower Upper
 330 100
 332 98.4 78.2 117.4
 141 34.0 28.2 42.4

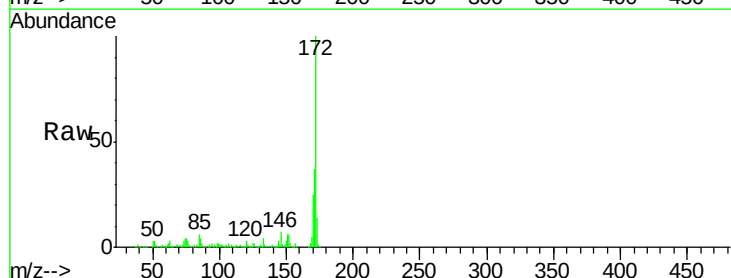


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

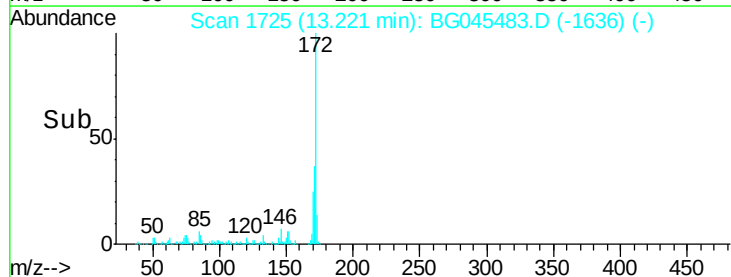
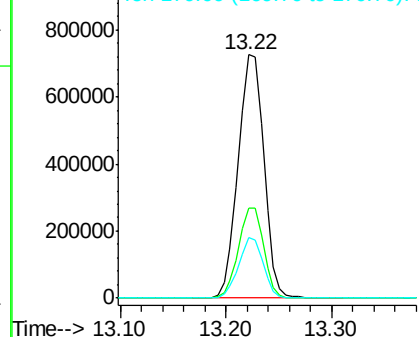


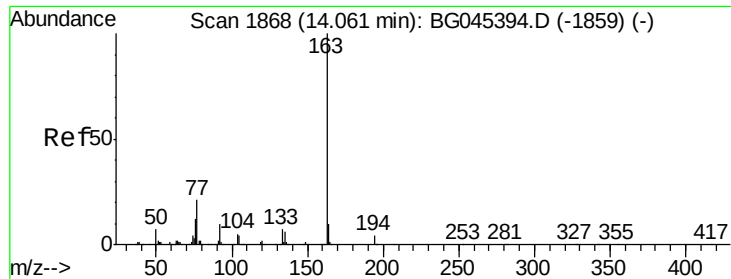
#45
 2-Fluorobiphenyl
 Concen: 69.847 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Tgt Ion:172 Resp: 1221941
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.5 44.3
 170 24.9 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: 8.988 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

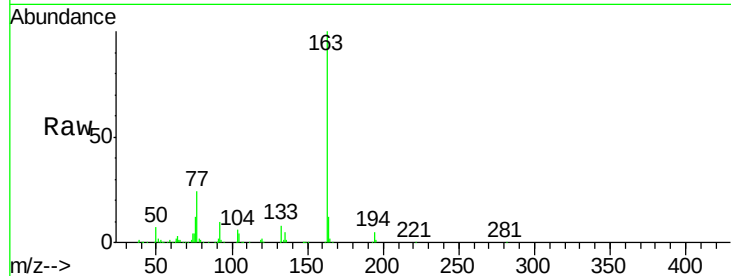
Tot Ion:163 Resp: 182958

Ion Ratio Lower Upper

163 100

194 5.3 3.2 4.8#

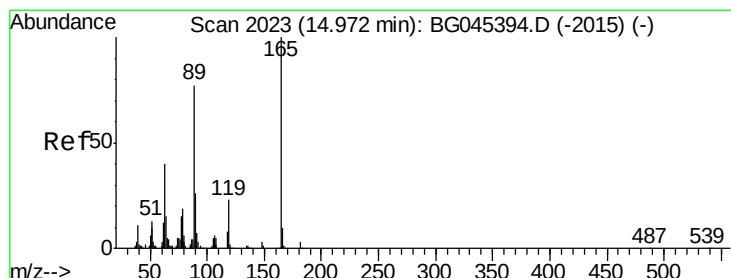
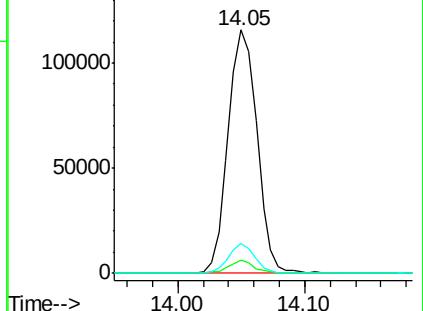
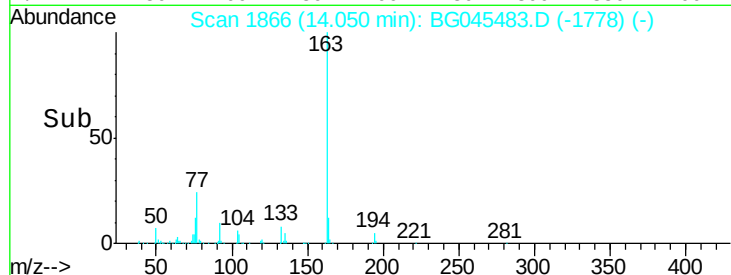
164 12.0 8.3 12.5



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: 5.872 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.36 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion:165 Resp: 39064

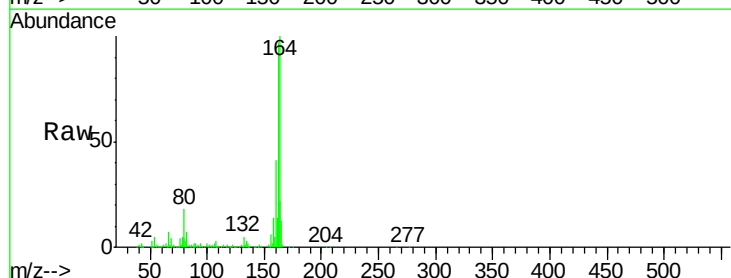
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 0.7 61.8 92.6#

182 0.0 2.3 3.5#

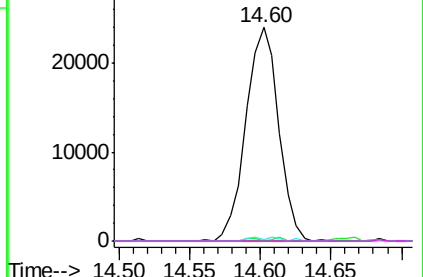
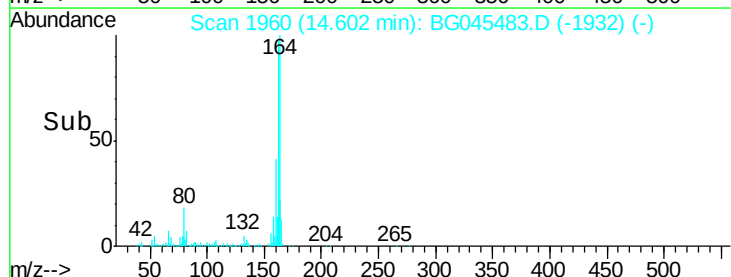


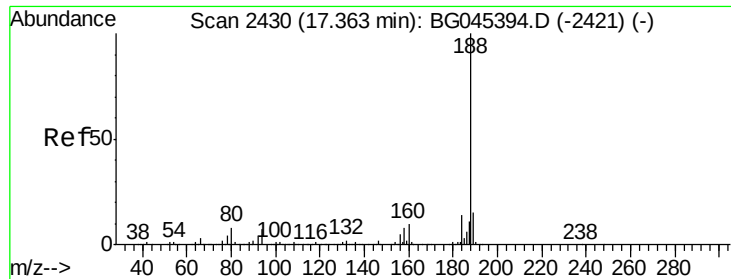
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampled :

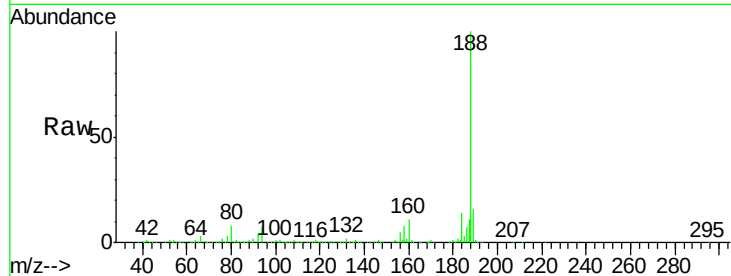
Tot Ion:188 Resp: 628063

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

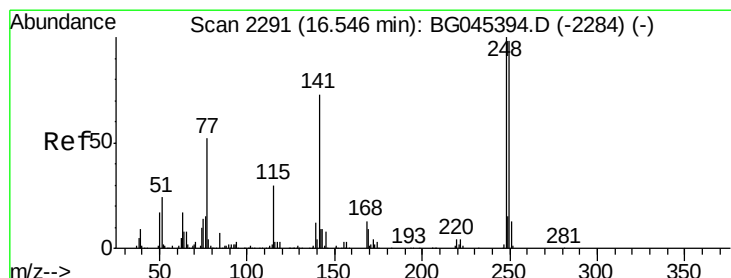
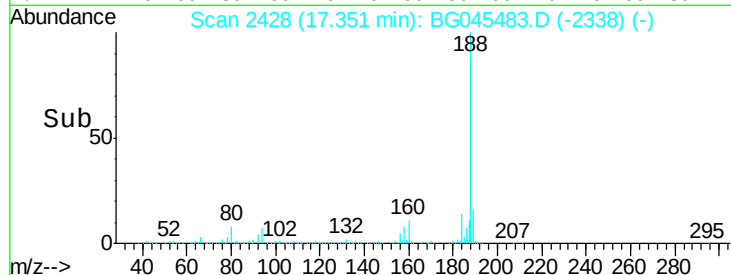
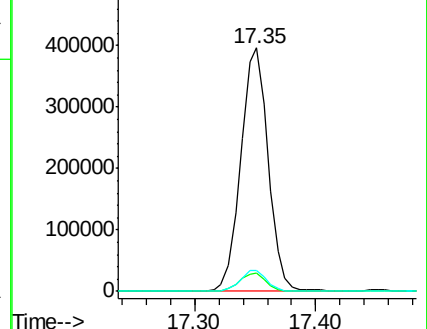
80 8.4 6.6 10.0



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: 3.436 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.45 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

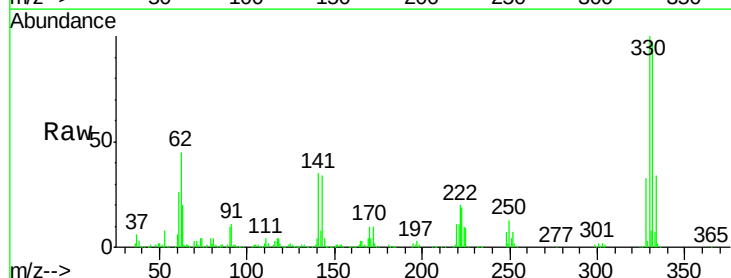
Tgt Ion:248 Resp: 23367

Ion Ratio Lower Upper

248 100

250 206.4 78.6 117.8#

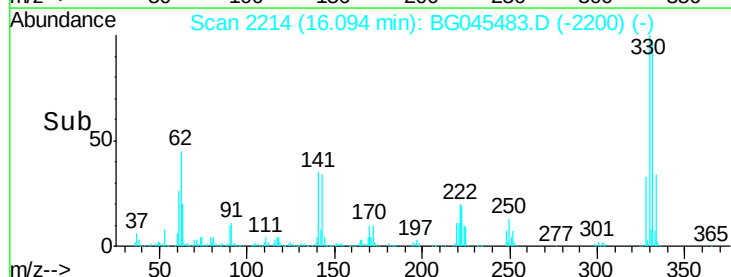
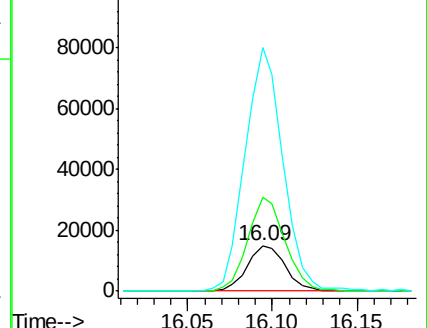
141 537.1 58.2 87.2#

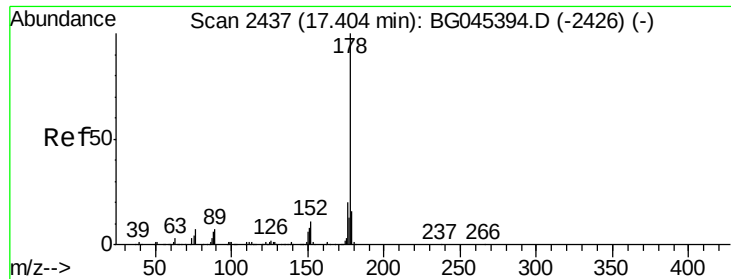


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

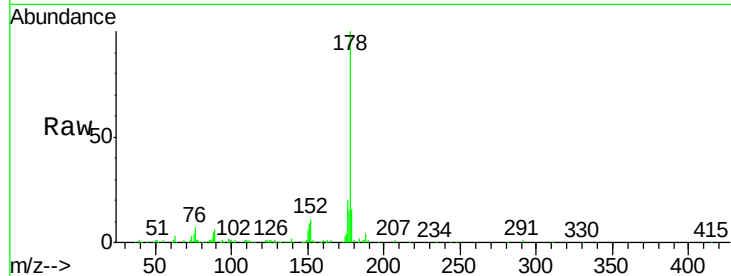




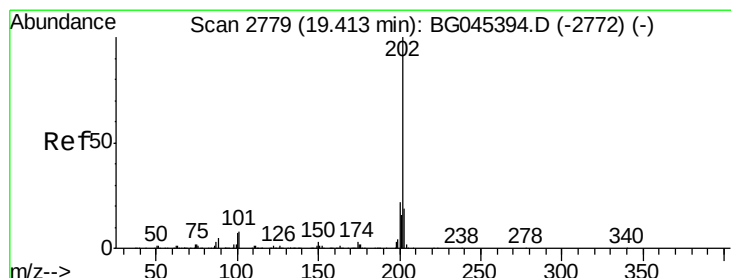
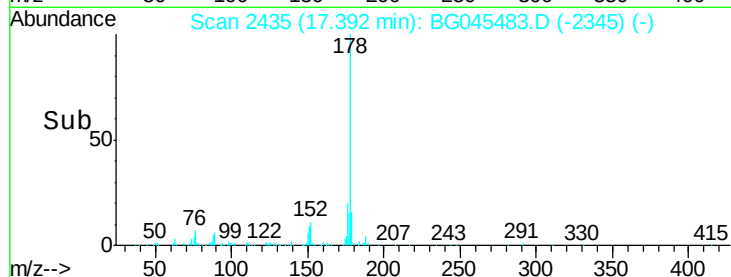
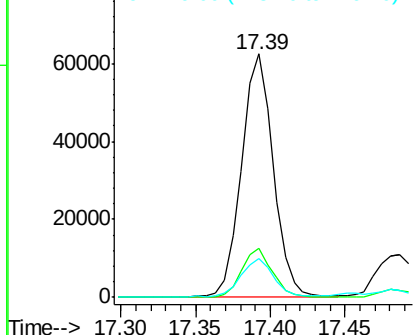
#71
Phenanthrene
Concen: 3.373 ng
RT: 17.39 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.9	13.1	19.7

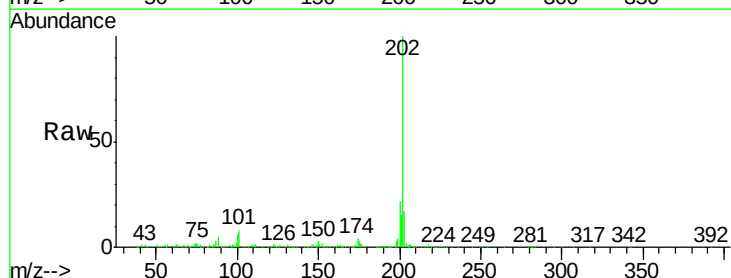


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

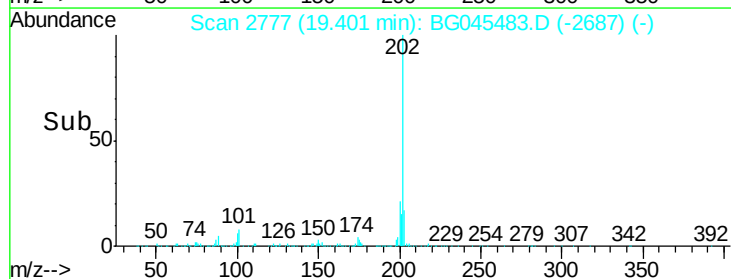
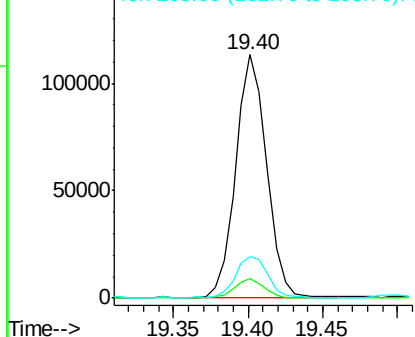


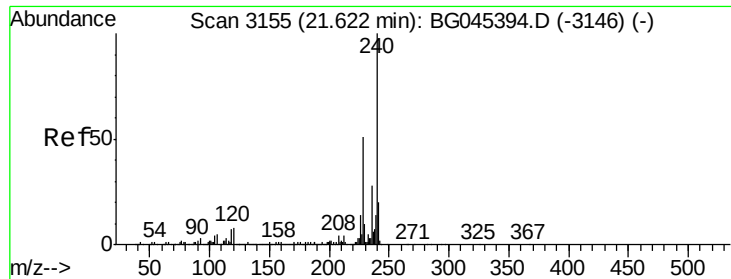
#75
Fluoranthene
Concen: 4.704 ng
RT: 19.40 min Scan# 2777
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.3
203	17.1	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: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

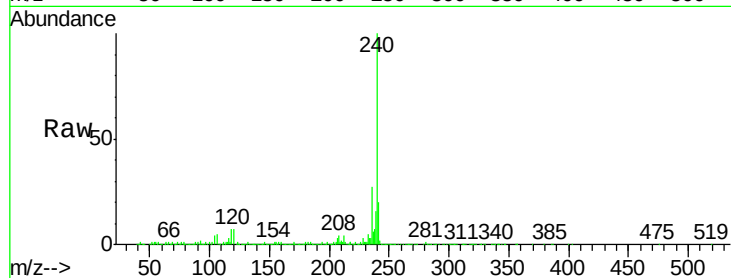
Tot Ion:240 Resp: 557028

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

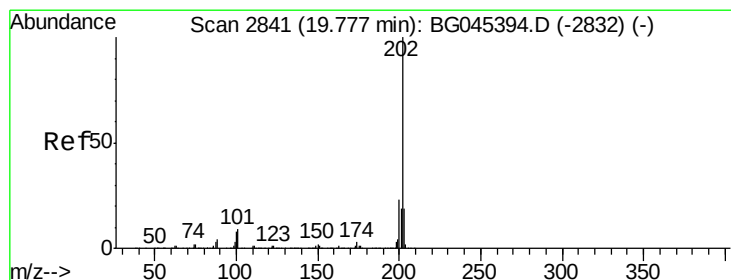
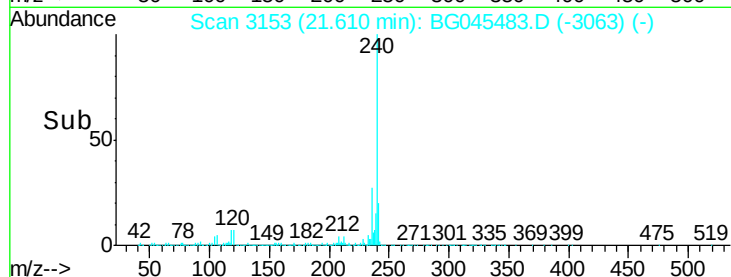
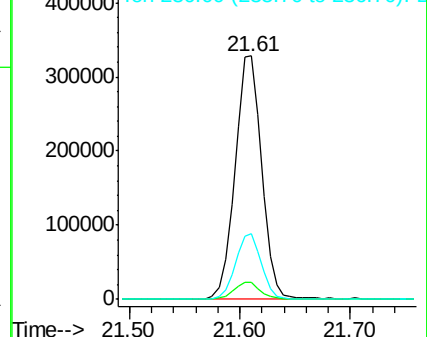
236 27.0 22.3 33.5



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



#78

Pyrene

Concen: 4.877 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

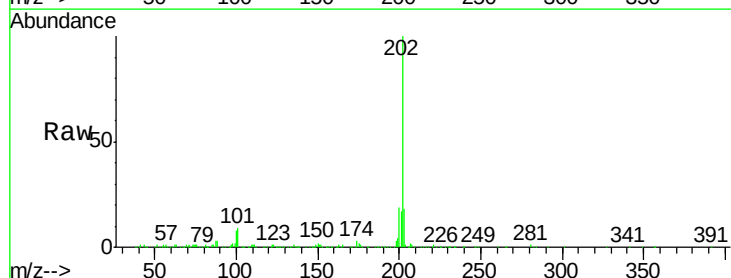
Tgt Ion:202 Resp: 154848

Ion Ratio Lower Upper

202 100

200 19.3 18.2 27.2

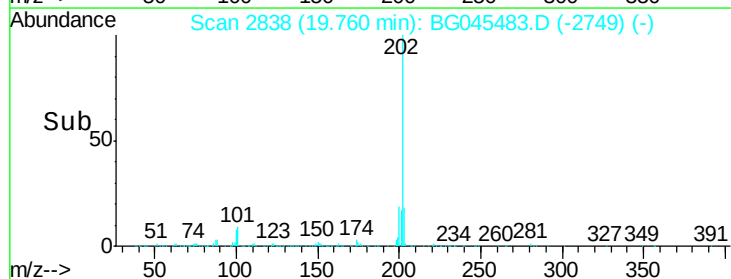
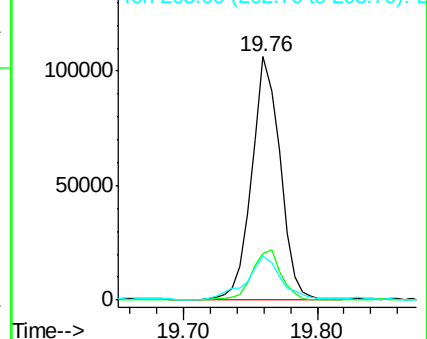
203 18.3 15.1 22.7

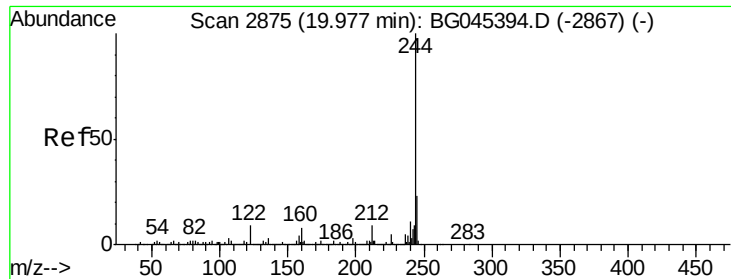


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.124 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

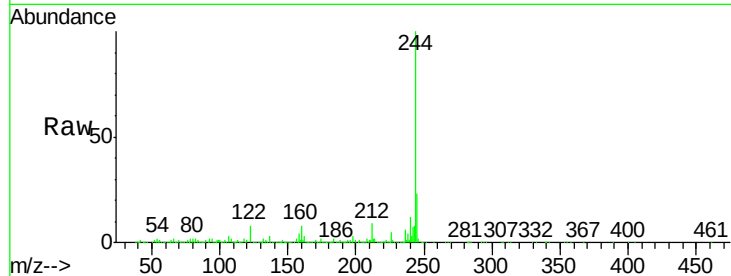
Tot Ion:244 Resp: 1698659

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

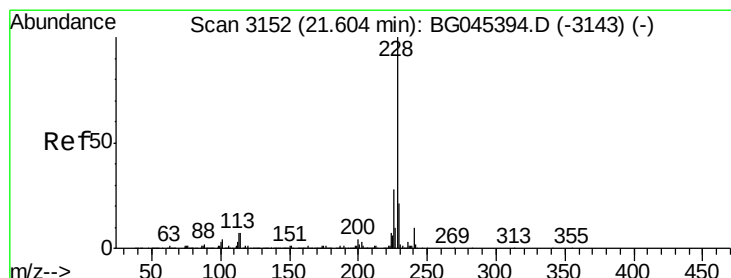
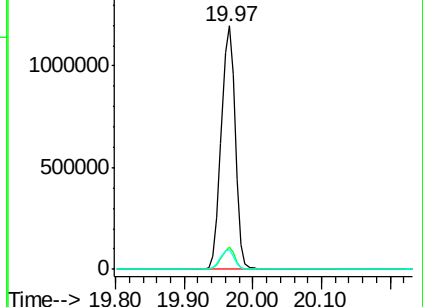
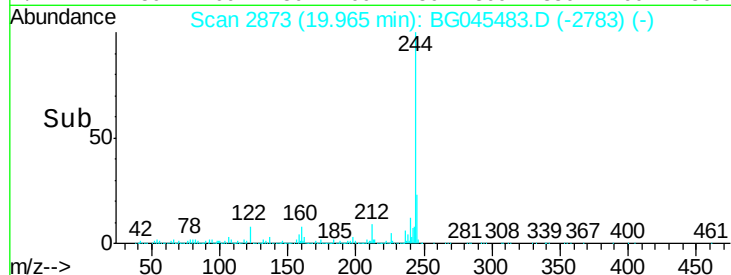
122 8.3 6.8 10.2



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: 2.632 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

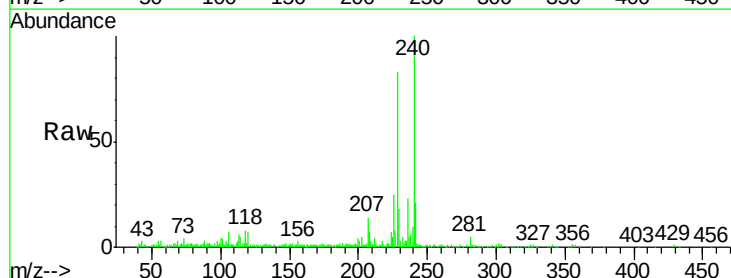
Tgt Ion:228 Resp: 81674

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

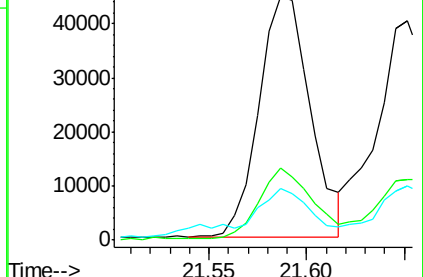
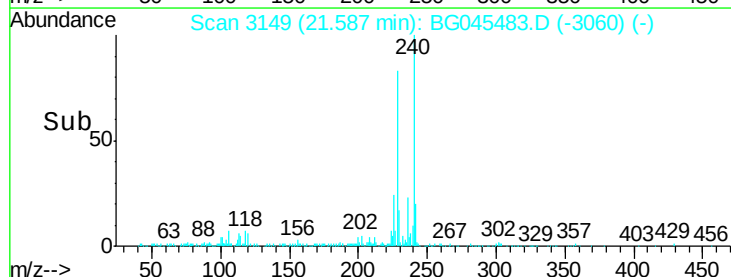
229 21.2 16.7 25.1

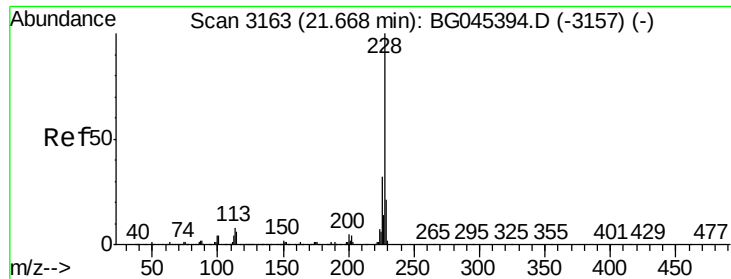


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.625 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

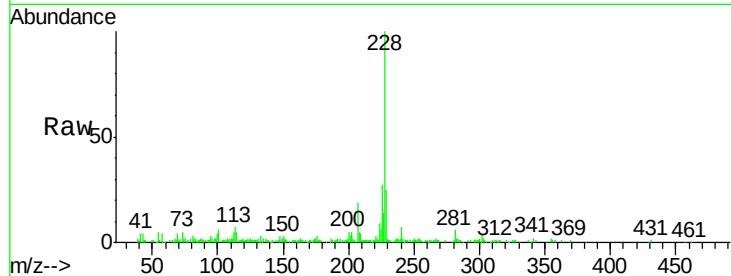
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 78322

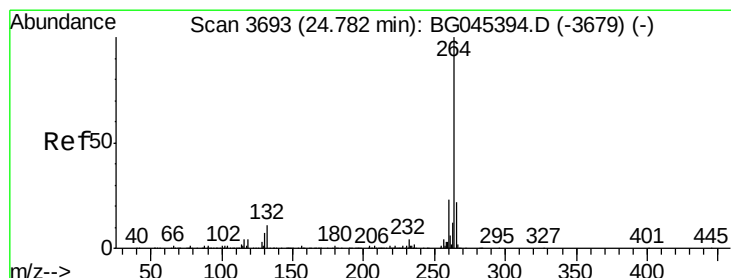
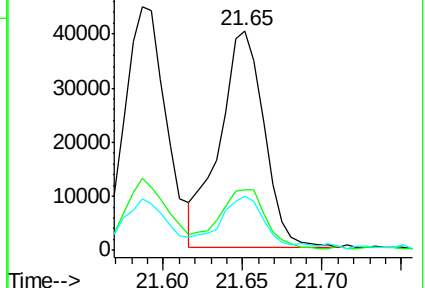
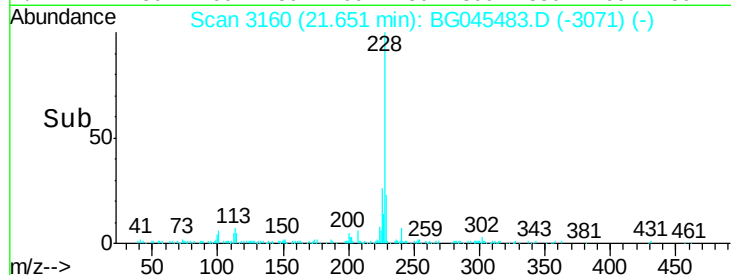
Ion	Ratio	Lower	Upper
228	100		
226	27.4	25.2	37.8
229	24.8	16.7	25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

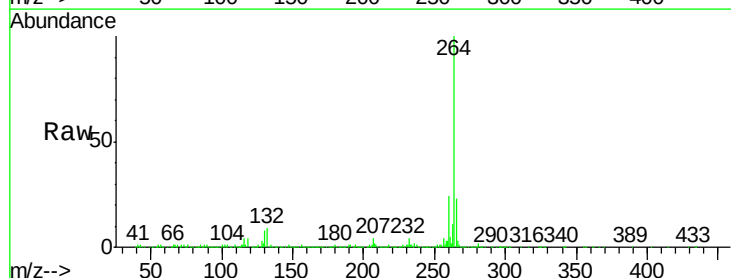
Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion:264 Resp: 609187

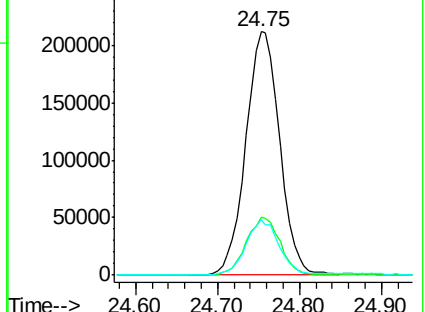
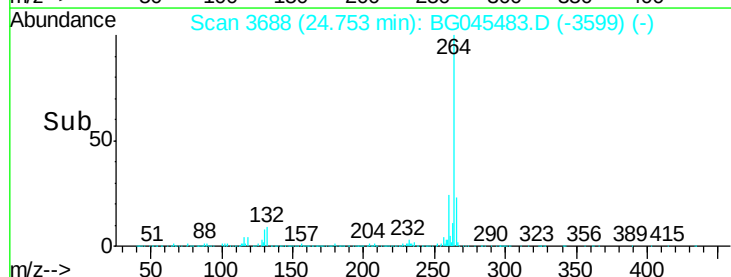
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	23.0	17.6	26.4

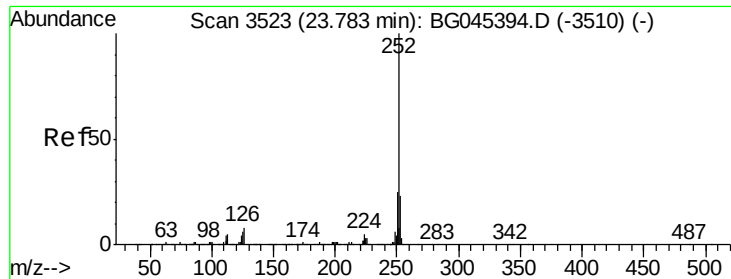


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.163 ng

RT: 23.76 min Scan# 3519

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

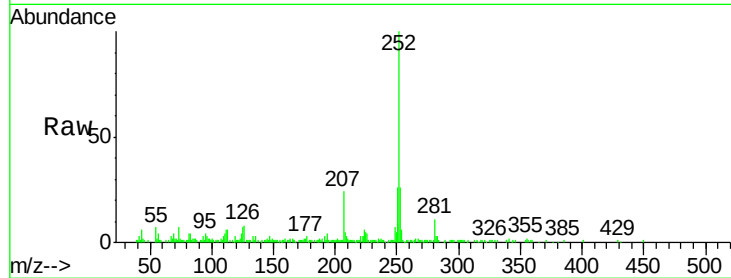
Tot Ion:252 Resp: 103354

Ion Ratio Lower Upper

252 100

253 25.6 18.1 27.1

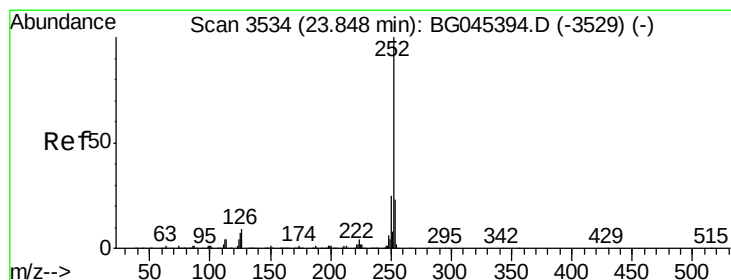
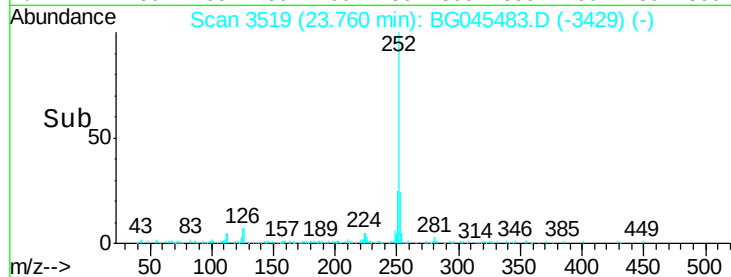
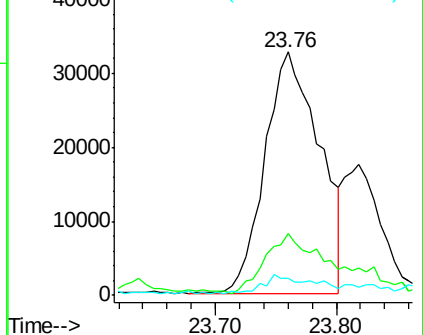
125 6.8 5.0 7.6



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: 3.367 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.06 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

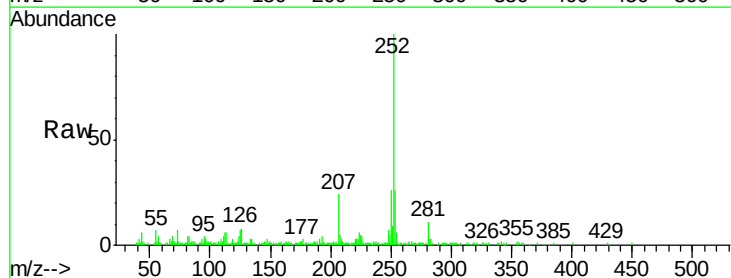
Tgt Ion:252 Resp: 103354

Ion Ratio Lower Upper

252 100

253 25.6 18.4 27.6

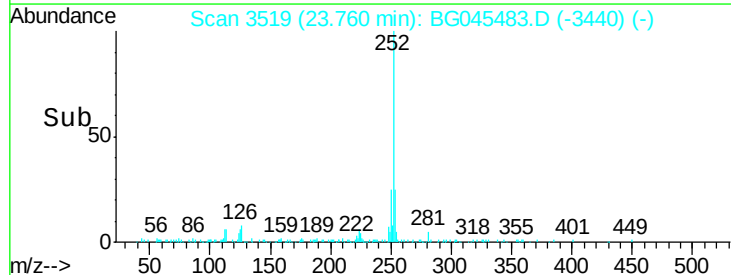
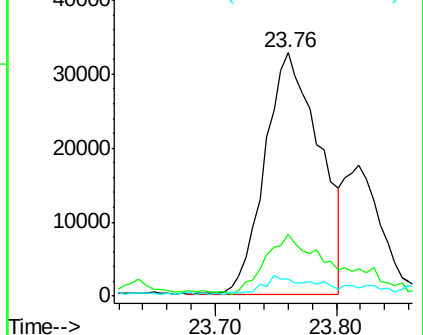
125 6.8 5.7 8.5

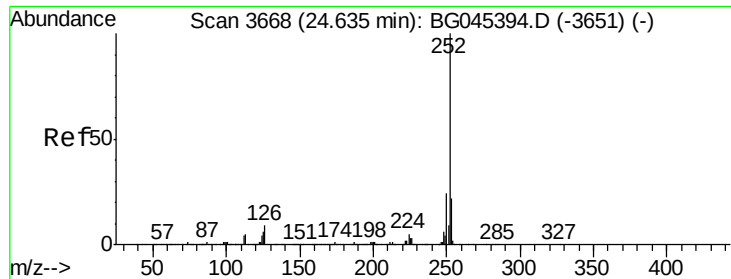


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.389 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

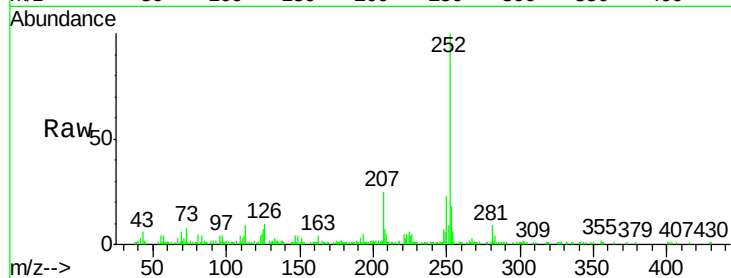
Tot Ion:252 Resp: 72689

Ion Ratio Lower Upper

252 100

253 18.2 17.2 25.8

125 7.1 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

