

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045476.D
 Acq On : 27 May 2020 14:53
 Operator : CG/JU
 Sample : L2745-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM23-COMP-2020-0-6

Quant Time: Jun 03 06:11:57 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	92659	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	375858	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	265703	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	580602	20.00	ng	0.00
76) Chrysene-d12	21.60	240	526505	20.00	ng	0.00
87) Perylene-d12	24.75	264	575260	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	320428	67.58	ng	0.00
7) Phenol-d6	7.17	99	512101	75.89	ng	0.00
23) Nitrobenzene-d5	9.11	82	361288	52.42	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	259528	76.38	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	869435	55.50	ng	0.00
79) Terphenyl-d14	19.96	244	1298086	57.50	ng	0.00

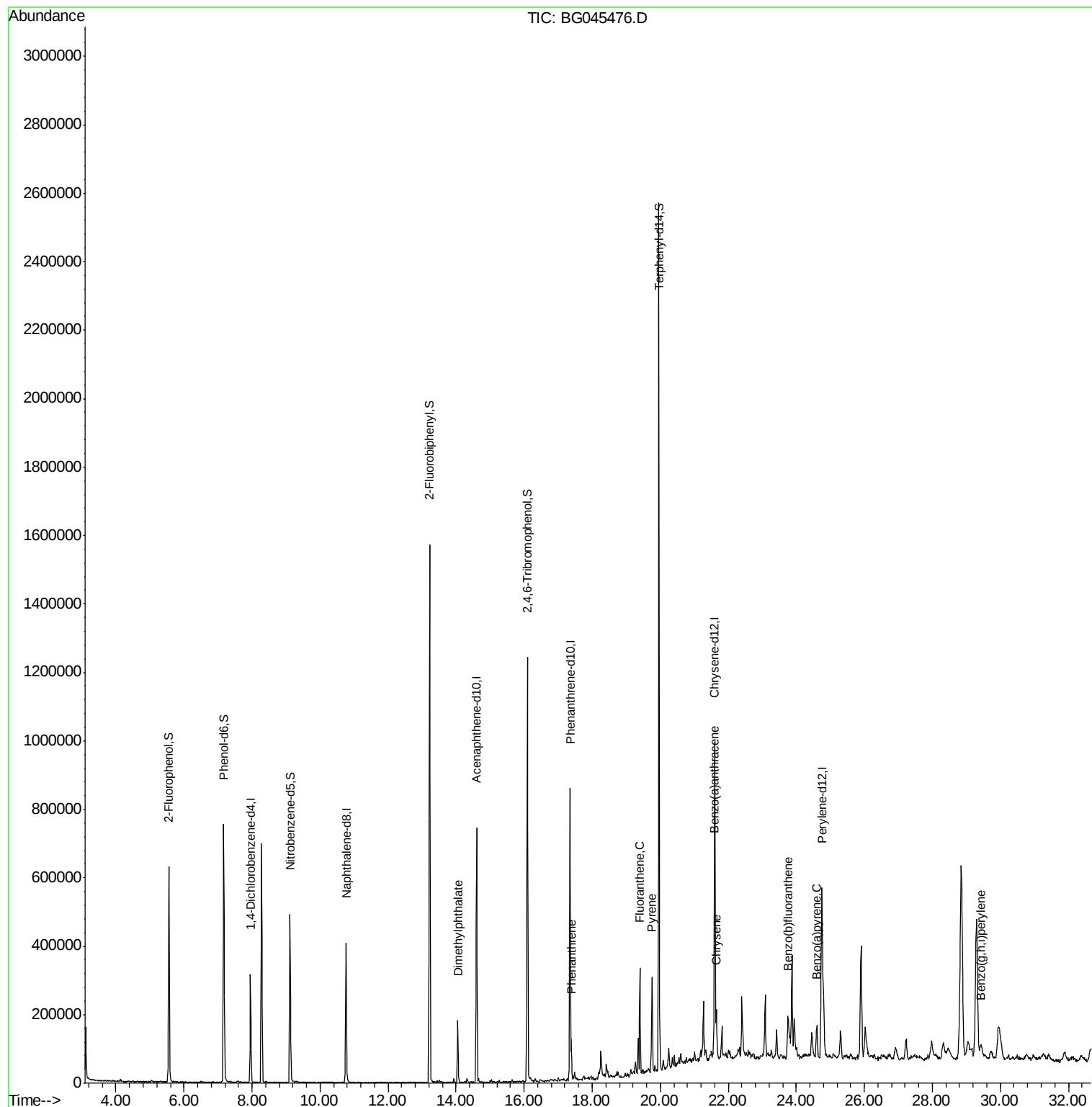
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.05	163	122721	6.733	ng	96
71) Phenanthrene	17.39	178	78029	3.078	ng	# 95
75) Fluoranthene	19.40	202	203118	6.300	ng	99
78) Pyrene	19.76	202	191182	6.370	ng	99
81) Benzo(a)anthracene	21.59	228	115242	3.929	ng	98
83) Chrysene	21.65	228	105093	3.726	ng	97
88) Benzo(b)fluoranthene	23.76	252	168177	5.451	ng	98
90) Benzo(a)pyrene	24.60	252	114507	3.985	ng	# 97
92) Benzo(g,h,i)perylene	29.43	276	86056	2.980	ng	97

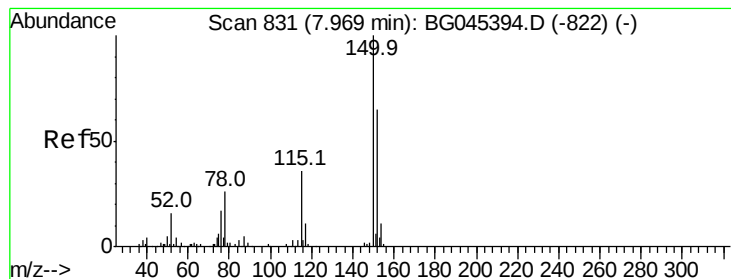
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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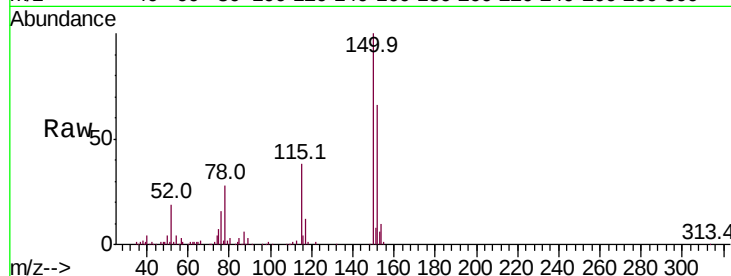


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG045476.D
Acq: 27 May 2020 14:53

Instrument :
BNA_G
ClientSampleId :
NM23-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.4	183.6
115	57.8	44.2	66.4

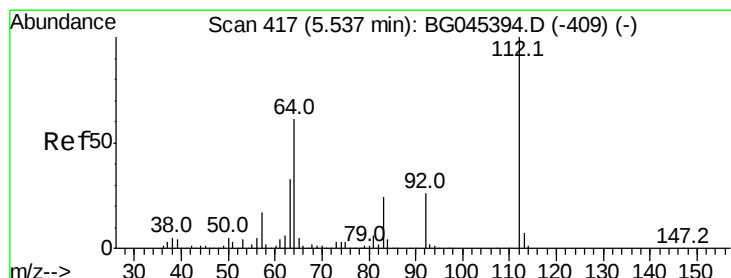
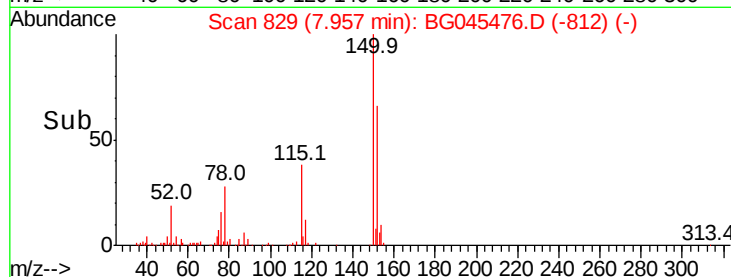
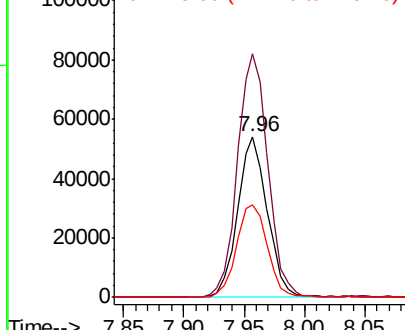


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

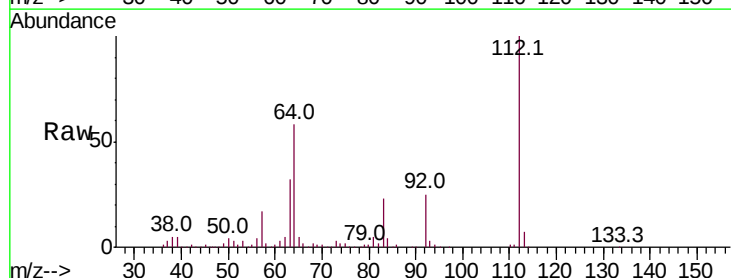
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 67.582 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG045476.D
Acq: 27 May 2020 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.6	72.8
63	32.5	26.5	39.7

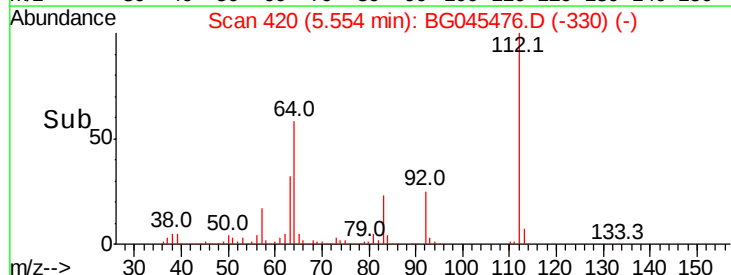
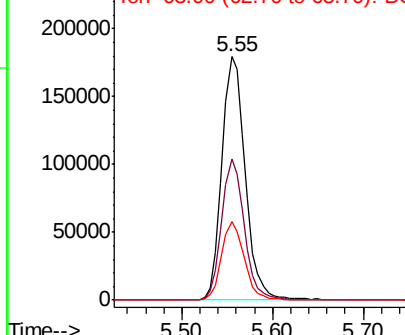


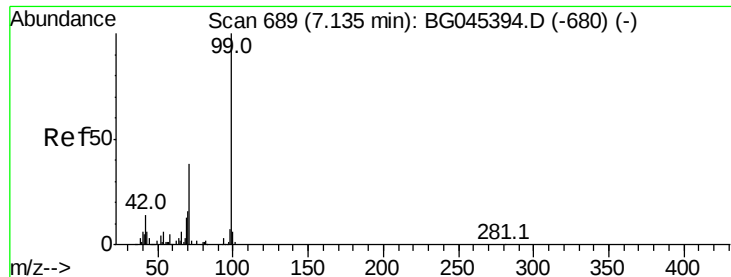
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 75.886 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

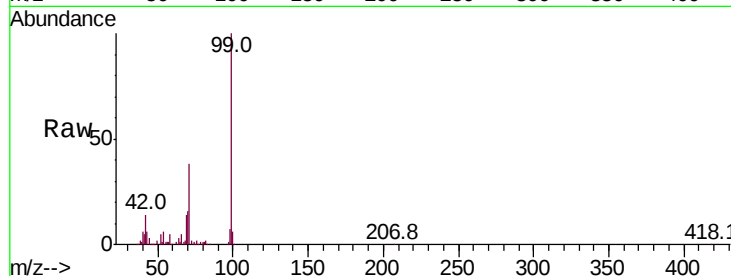
Tot Ion: 99 Resp: 512101

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

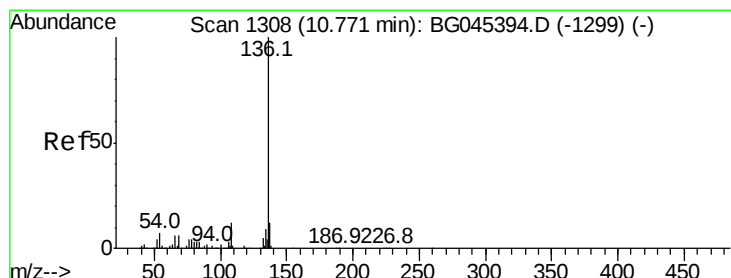
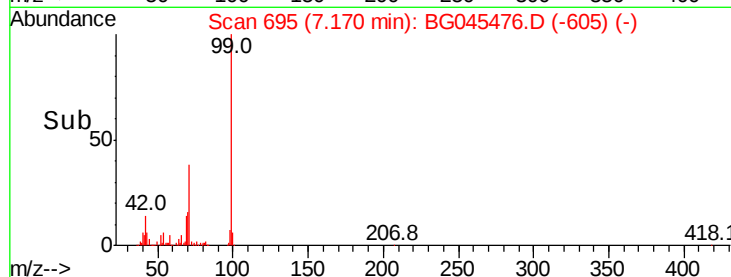
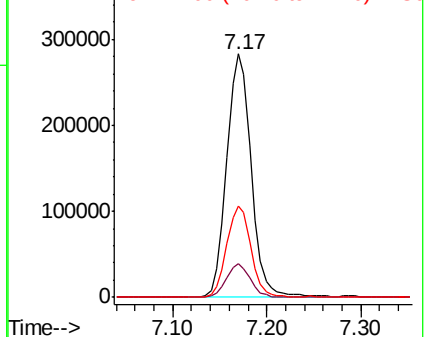
71 37.7 30.8 46.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Tgt Ion: 136 Resp: 375858

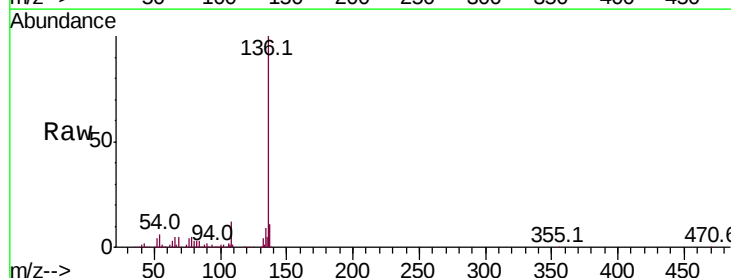
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.2

54 5.7 5.8 8.6#

68 5.2 4.5 6.7

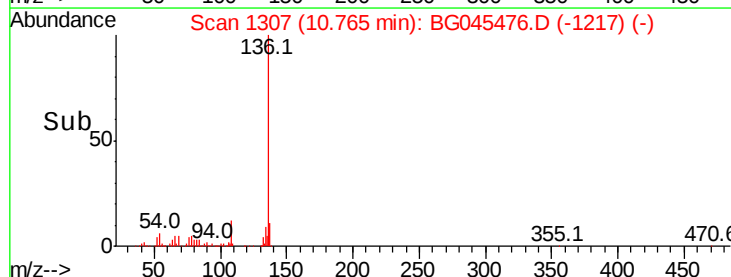
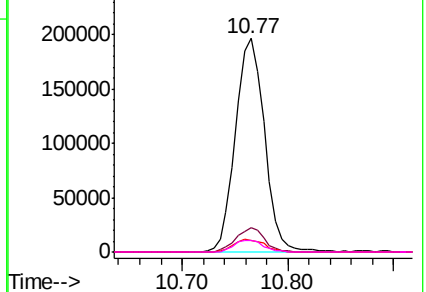


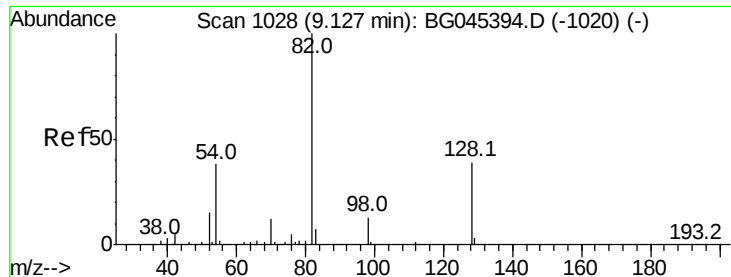
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

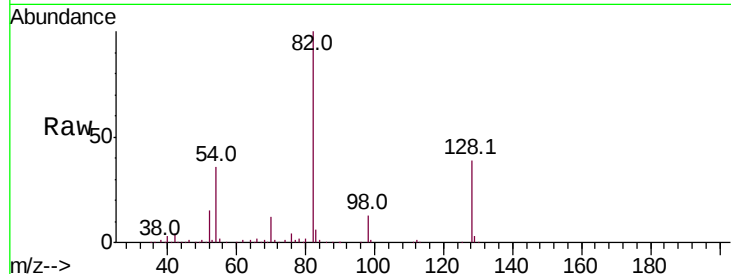




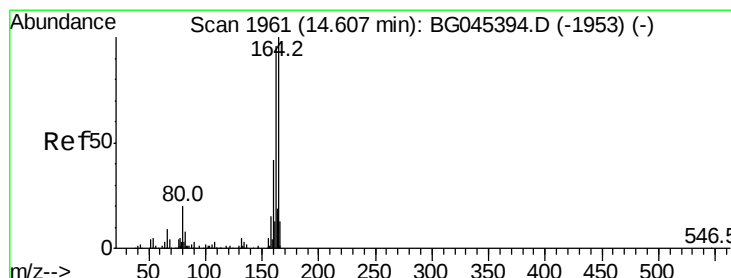
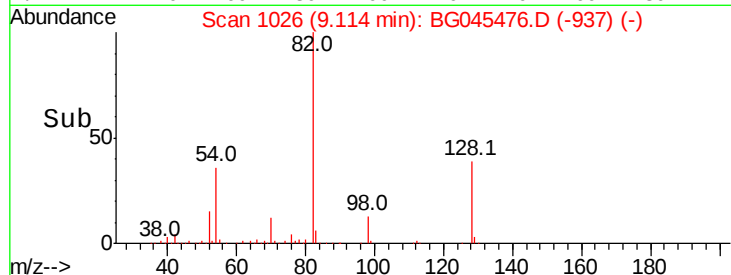
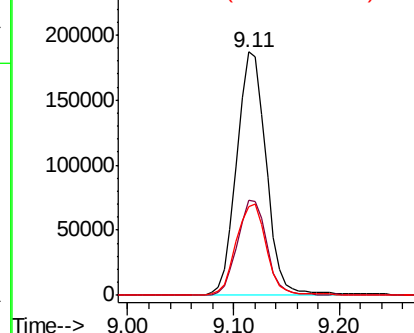
#23
 Nitrobenzene-d5
 Concen: 52.418 ng
 RT: 9.11 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BG045476.D
 Acq: 27 May 2020 14:53

Instrument :
 BNA_G
 ClientSampleId :
 NM23-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.9	46.3
54	36.3	30.3	45.5

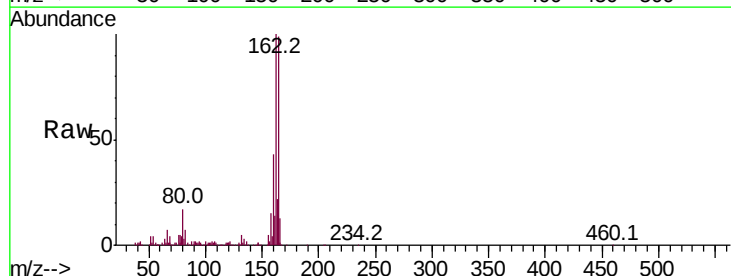


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

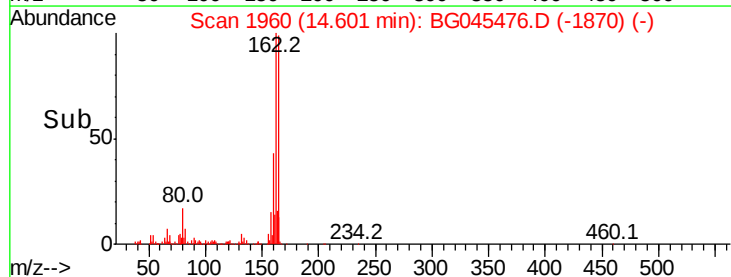
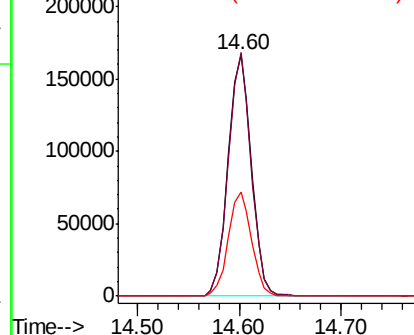


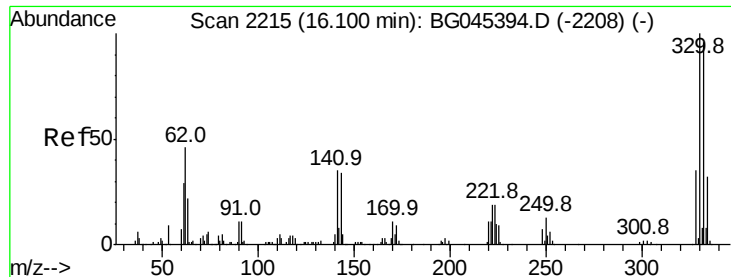
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG045476.D
 Acq: 27 May 2020 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	76.9	115.3
160	43.2	33.8	50.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 76.376 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

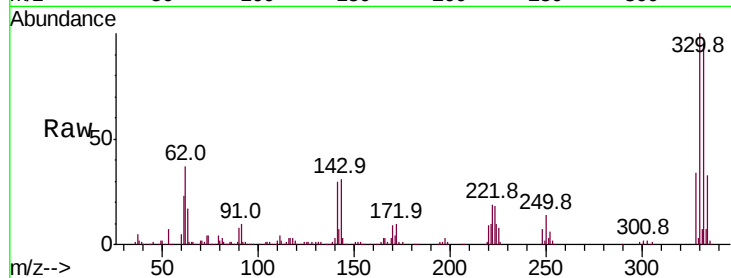
Tot Ion:330 Resp: 259528

Ion Ratio Lower Upper

330 100

332 97.7 78.2 117.4

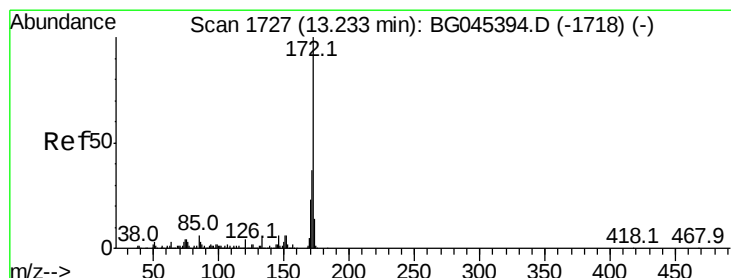
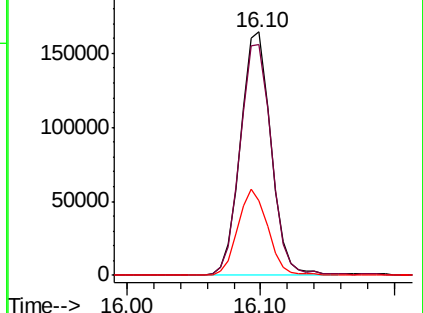
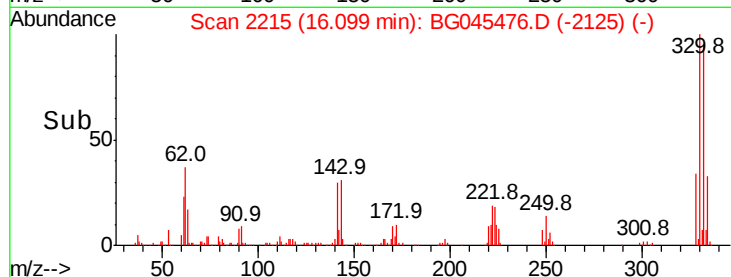
141 34.7 28.2 42.4



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: 55.503 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

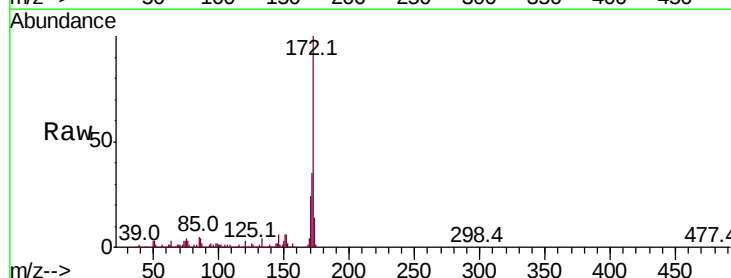
Tgt Ion:172 Resp: 869435

Ion Ratio Lower Upper

172 100

171 35.4 29.5 44.3

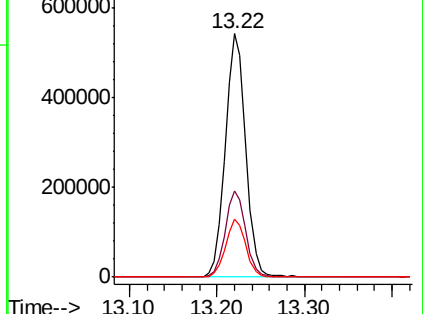
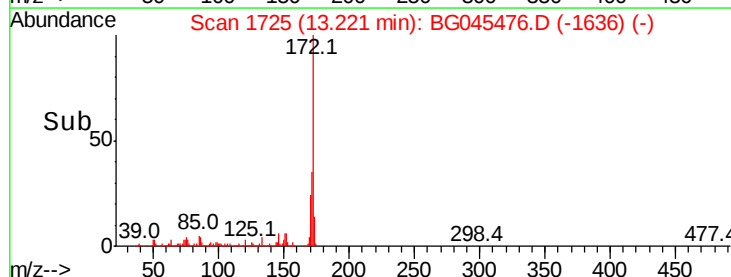
170 23.7 18.5 27.7

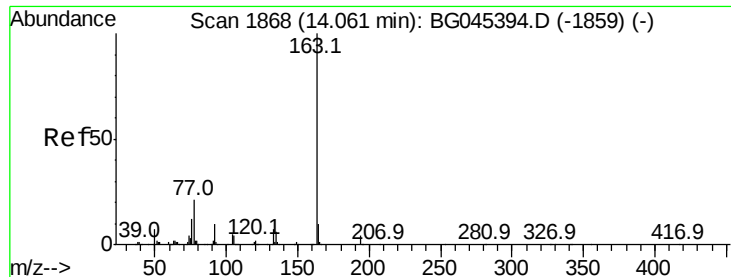


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.733 ng

RT: 14.05 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

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ClientSampleId :

NM23-COMP-2020-0-6

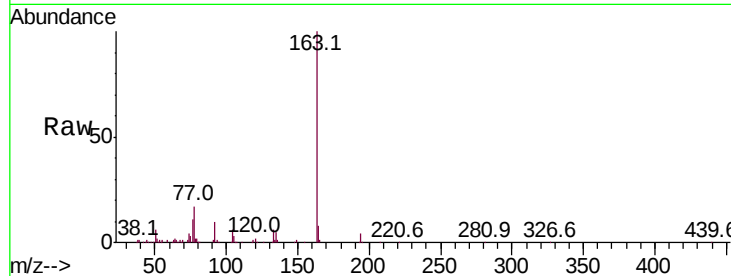
Tot Ion:163 Resp: 122721

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

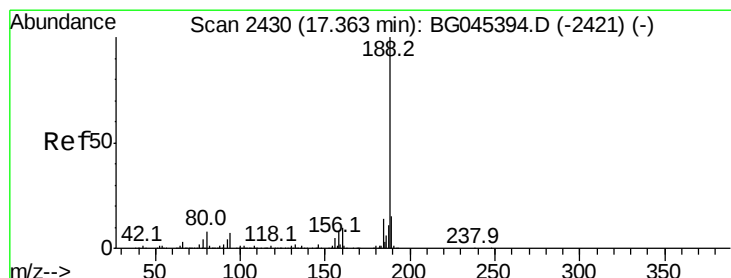
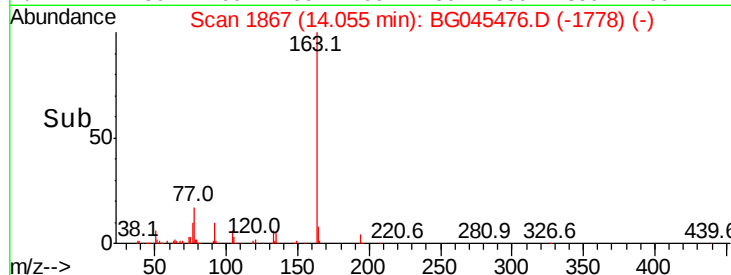
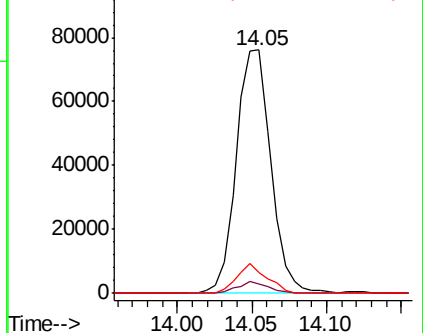
164 8.4 8.3 12.5



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

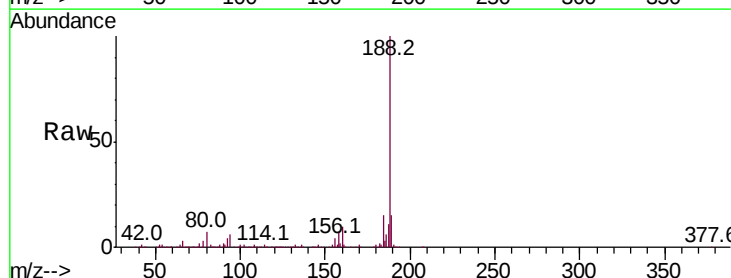
Tgt Ion:188 Resp: 580602

Ion Ratio Lower Upper

188 100

94 6.0 5.5 8.3

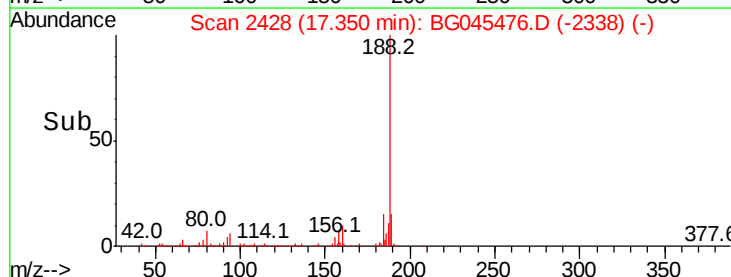
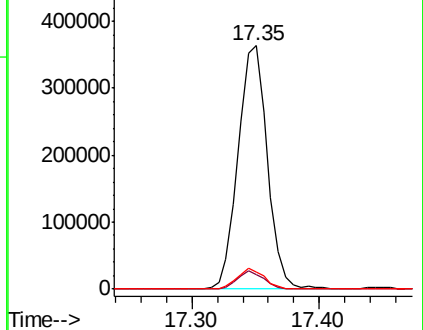
80 7.1 6.6 10.0

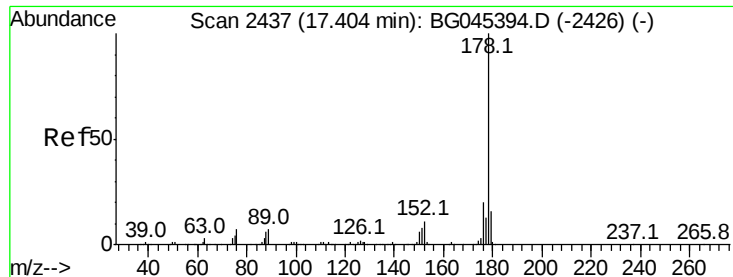


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 3.078 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

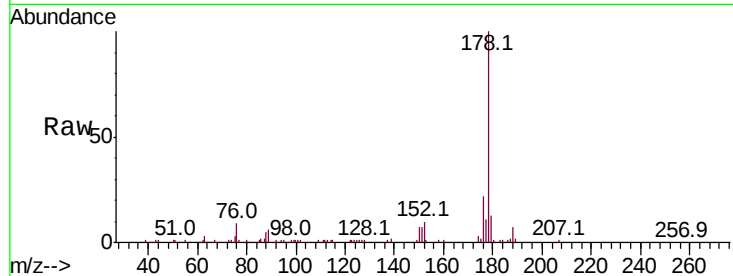
Tot Ion:178 Resp: 78029

Ion Ratio Lower Upper

178 100

176 21.6 16.2 24.4

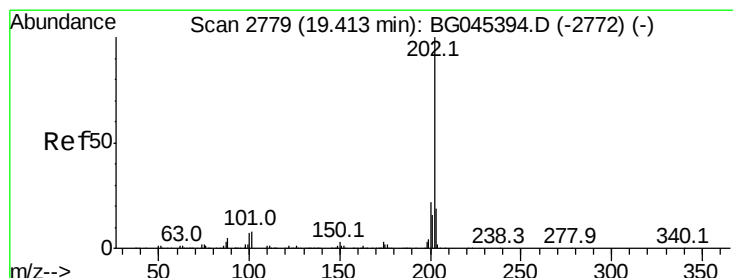
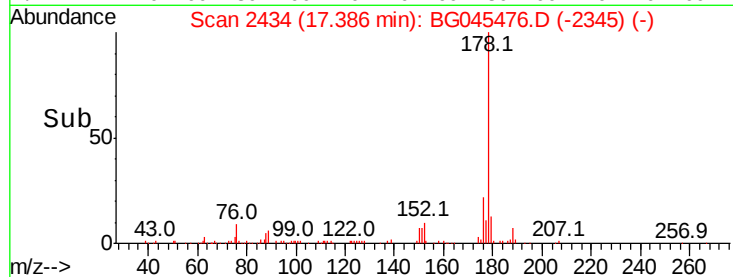
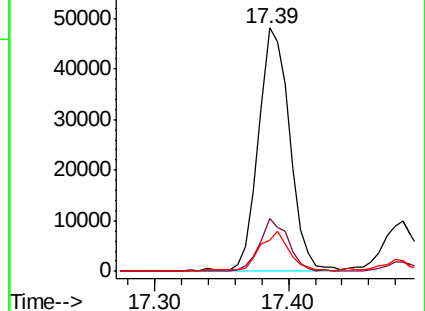
179 12.9 13.1 19.7#



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: 6.300 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

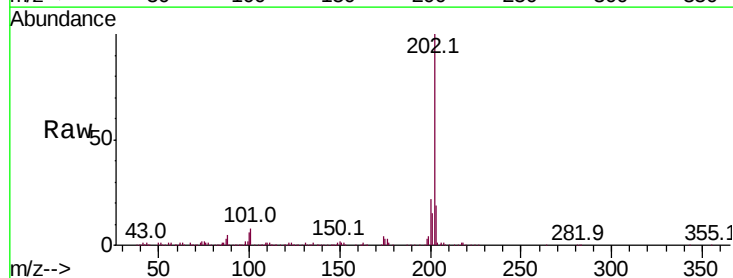
Tgt Ion:202 Resp: 203118

Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.3

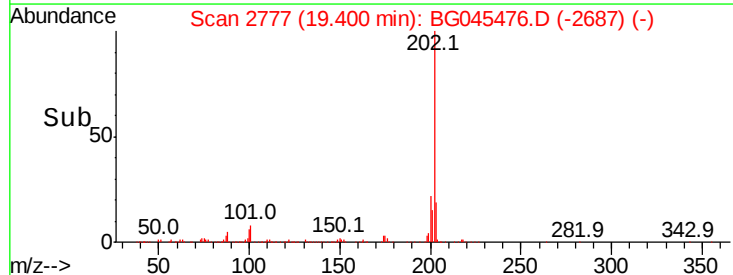
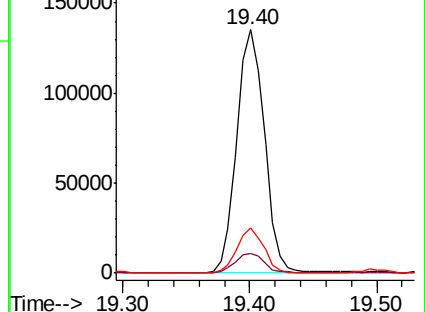
203 18.8 0.0 39.0

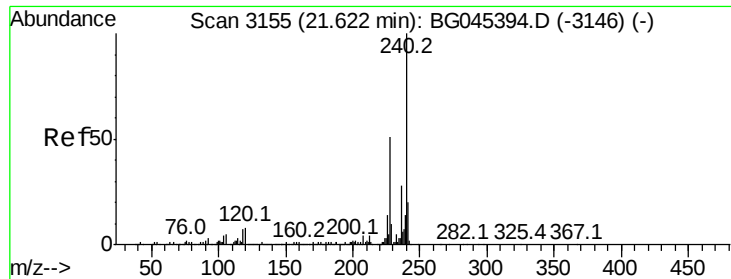


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

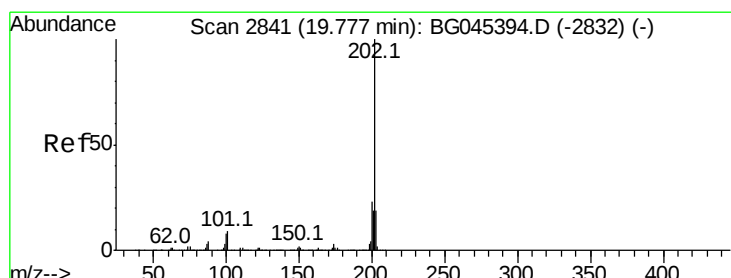
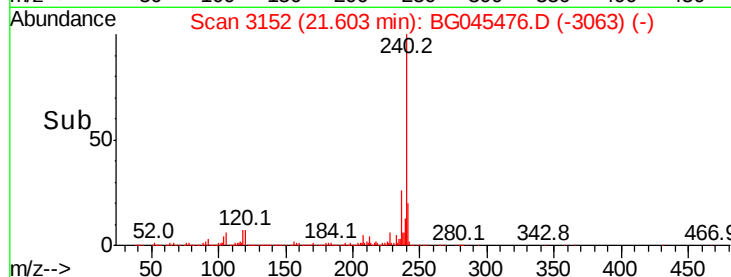
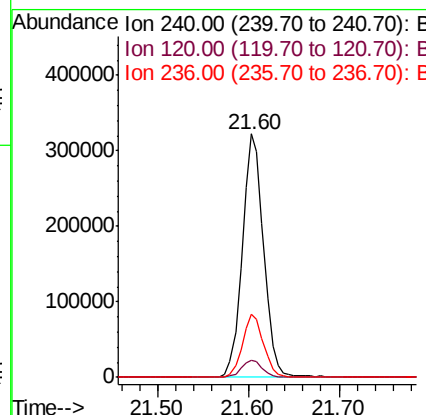
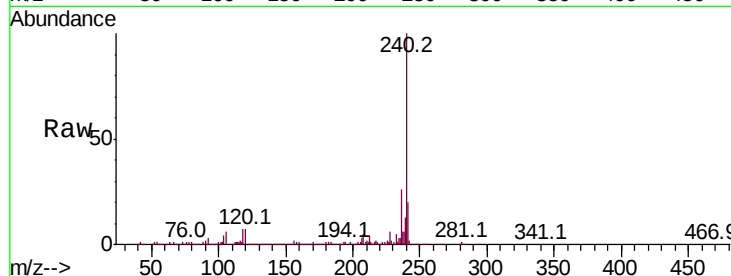




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045476.D
Acq: 27 May 2020 14:53

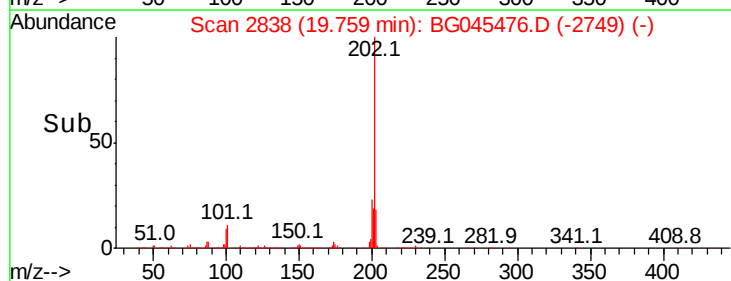
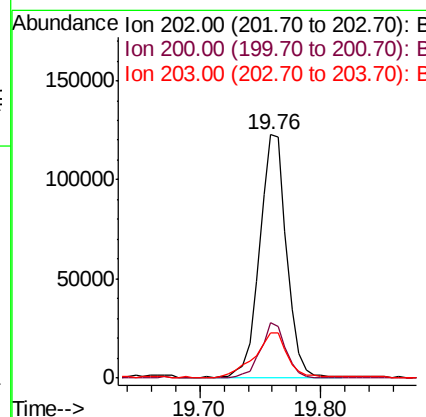
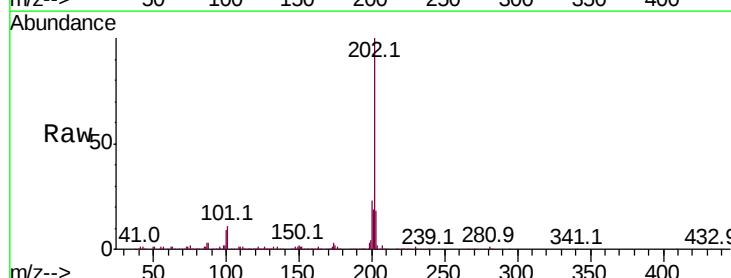
Instrument :
BNA_G
ClientSampleId :
NM23-COMP-2020-0-6

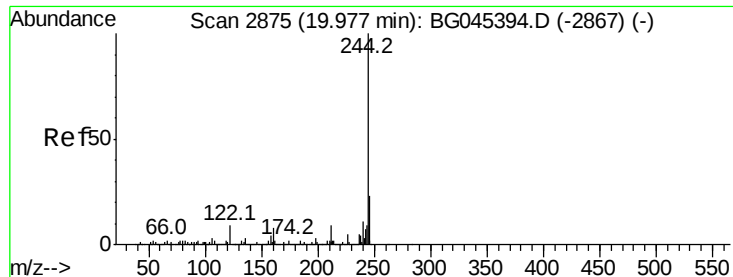
Tot Ion:240 Resp: 526505
Ion Ratio Lower Upper
240 100
120 6.9 6.1 9.1
236 25.8 22.3 33.5



#78
Pyrene
Concen: 6.370 ng
RT: 19.76 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BG045476.D
Acq: 27 May 2020 14:53

Tgt Ion:202 Resp: 191182
Ion Ratio Lower Upper
202 100
200 22.8 18.2 27.2
203 18.5 15.1 22.7





#79

Terphenyl-d14

Concen: 57.502 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

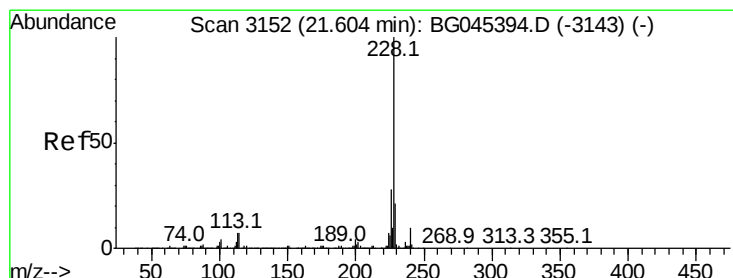
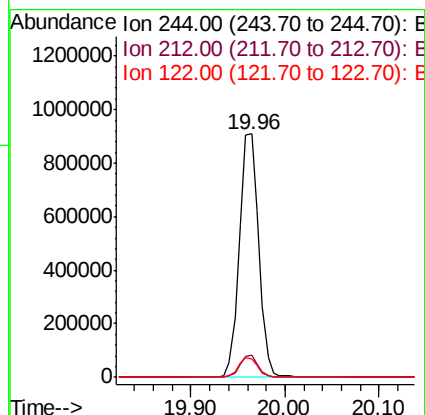
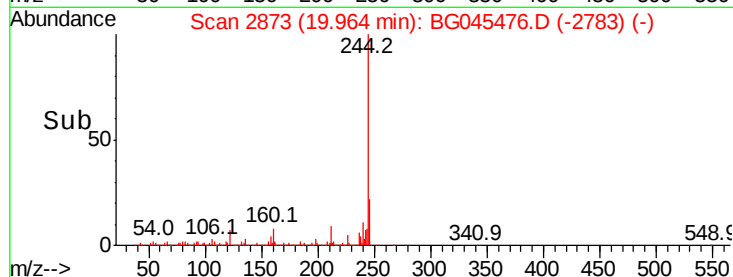
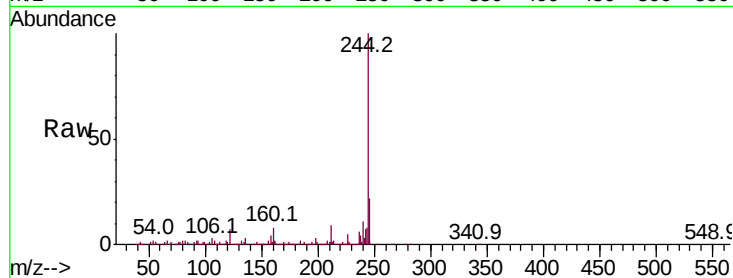
Tot Ion:244 Resp: 1298086

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.0

122 7.5 6.8 10.2



#81

Benzo(a)anthracene

Concen: 3.929 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

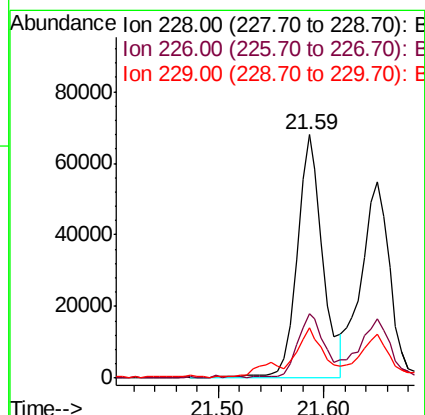
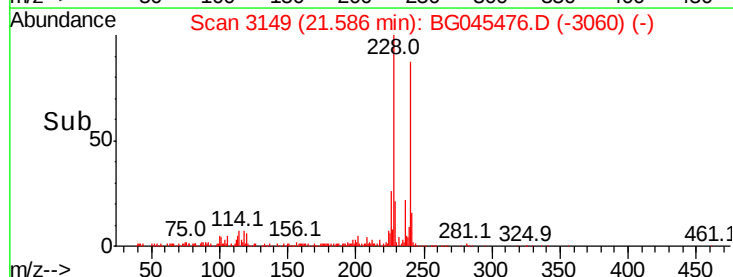
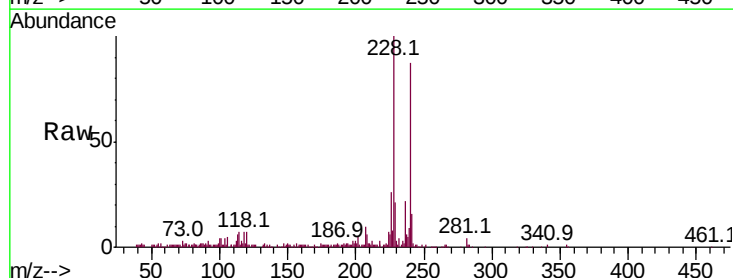
Tgt Ion:228 Resp: 115242

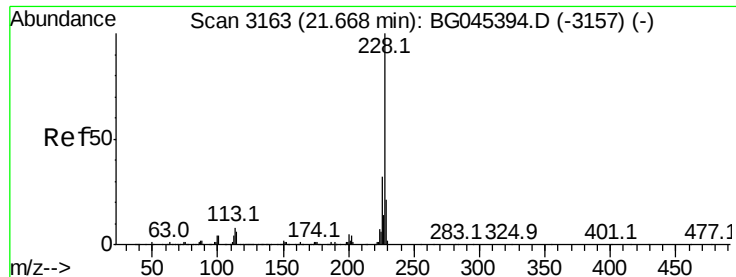
Ion Ratio Lower Upper

228 100

226 26.3 22.7 34.1

229 20.8 16.7 25.1





#83

Chrysene

Concen: 3.726 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

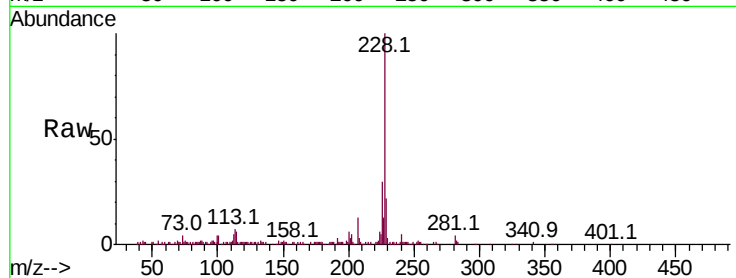
BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

Tot Ion:228 Resp: 105093

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.2	37.8
229	22.3	16.7	25.1

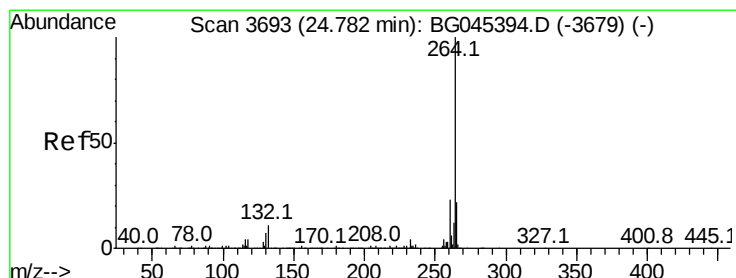
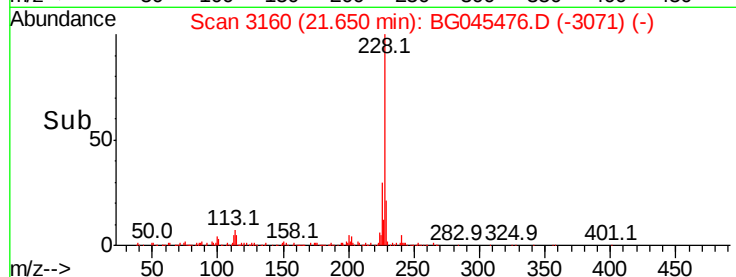
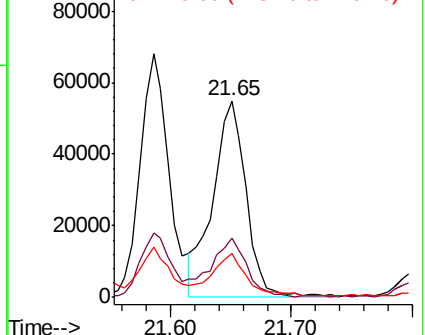


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

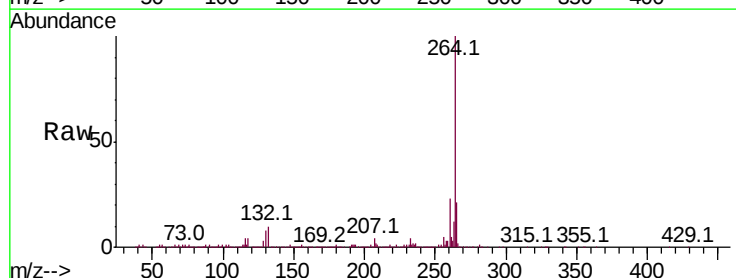
Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Tgt Ion:264 Resp: 575260

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	20.7	17.6	26.4

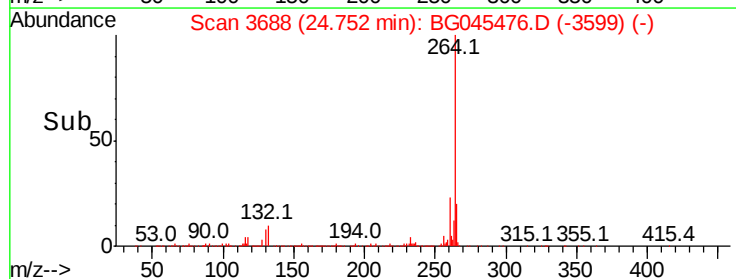
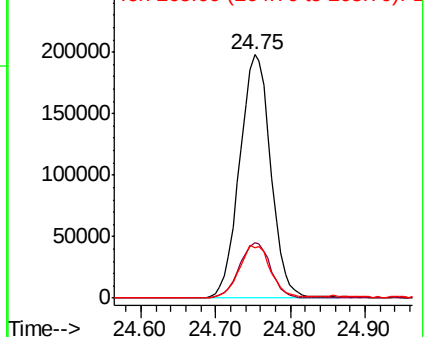


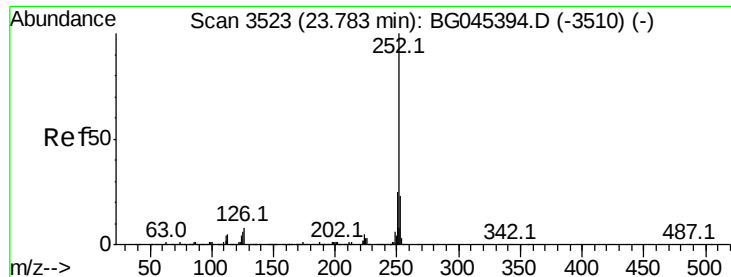
Abundance

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: 5.451 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

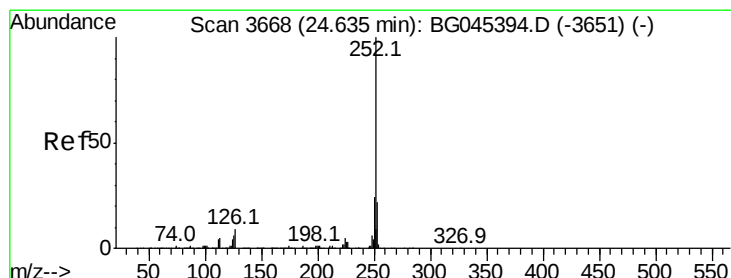
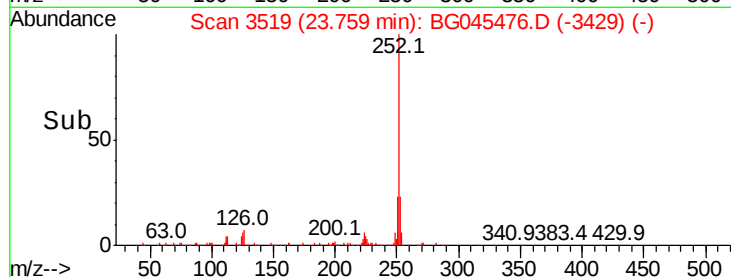
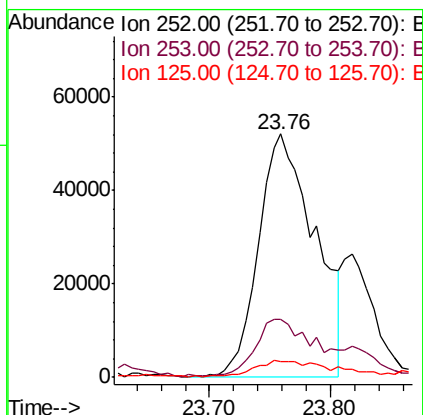
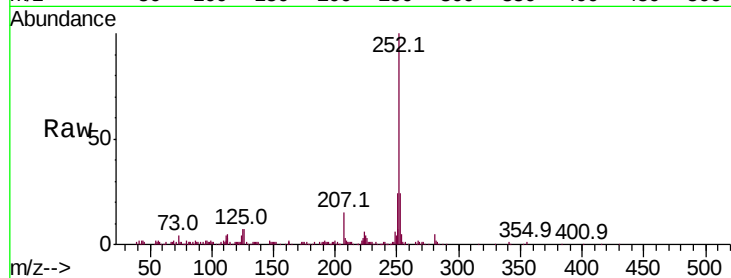
Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

Tot Ion:252	Resp:	168177
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.1 27.1
125	6.6	5.0 7.6



#90

Benzo(a)pyrene

Concen: 3.985 ng

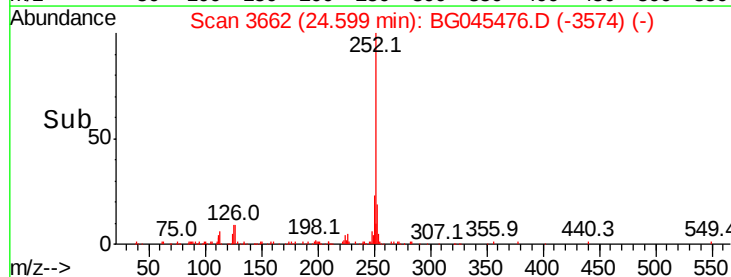
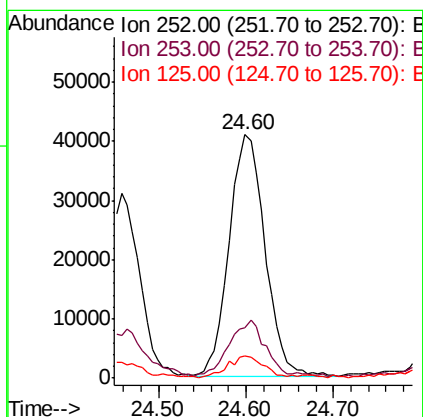
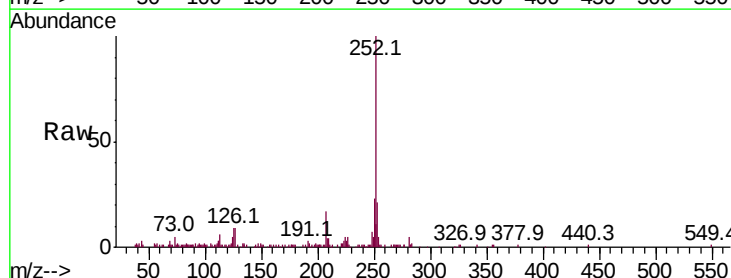
RT: 24.60 min Scan# 3662

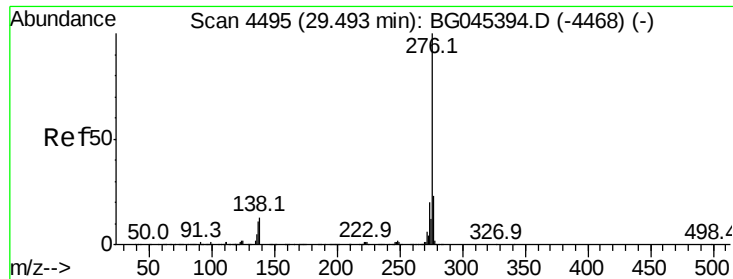
Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Tgt Ion:252	Resp:	114507
Ion Ratio	Lower	Upper
252	100	
253	20.6	17.2 25.8
125	9.2	5.0 7.6#





#92

Benzo(a,h,i)perylene

Concen: 2.980 ng

RT: 29.43 min Scan# 4485

Delta R.T. -0.01 min

Lab File: BG045476.D

Acq: 27 May 2020 14:53

Instrument :

BNA_G

ClientSampleId :

NM23-COMP-2020-0-6

Tot Ion:276 Resp: 86056

Ion Ratio Lower Upper

276 100

277 23.3 18.1 27.1

138 10.6 10.2 15.4

