

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG052620\
 Data File : BG045469.D
 Acq On : 26 May 2020 22:59
 Operator : CG/JU
 Sample : L2744-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM42-COMP-2020-0-6

Quant Time: May 27 02:32:38 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	91571	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	368544	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	247392	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	529790	20.00	ng	0.00
76) Chrysene-d12	21.61	240	484261	20.00	ng	0.00
87) Perylene-d12	24.76	264	530904	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	419448	89.52	ng	0.00
7) Phenol-d6	7.18	99	648909	97.30	ng	0.00
23) Nitrobenzene-d5	9.12	82	468614	69.34	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	309272	97.75	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1077018	73.84	ng	0.00
79) Terphenyl-d14	19.97	244	1543516	74.34	ng	0.00

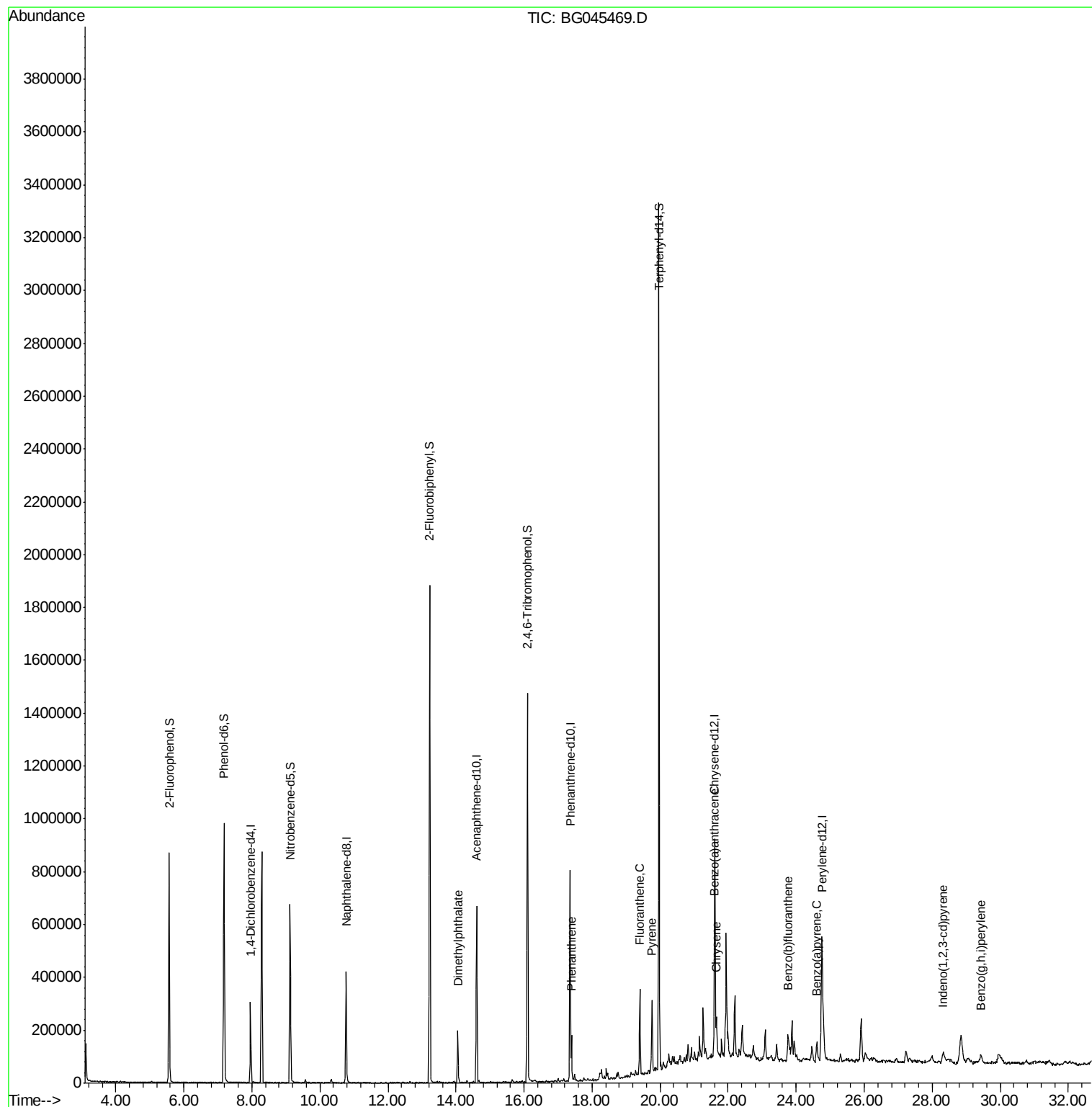
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.06	163	139508	8.22	ng	98
71) Phenanthrene	17.39	178	111394	4.82	ng	98
75) Fluoranthene	19.40	202	209626	7.13	ng	96
78) Pyrene	19.76	202	179904	6.52	ng	98
81) Benzo(a)anthracene	21.59	228	99597	3.69	ng	98
83) Chrysene	21.65	228	91826	3.54	ng	94
86) Indeno(1,2,3-cd)pyrene	28.33	276	71248	2.10	ng	# 87
88) Benzo(b)fluoranthene	23.77	252	124562	4.37	ng	# 97
90) Benzo(a)pyrene	24.61	252	87974	3.32	ng	# 96
92) Benzo(g,h,i)perylene	29.43	276	61906	2.32	ng	96

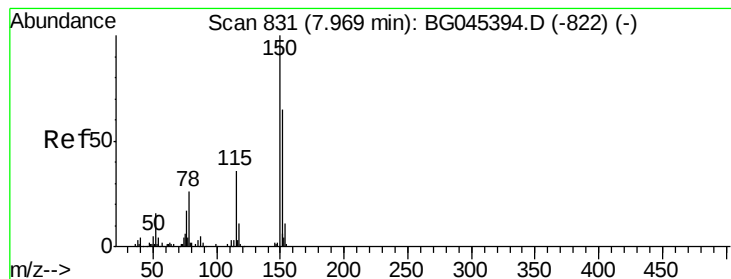
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

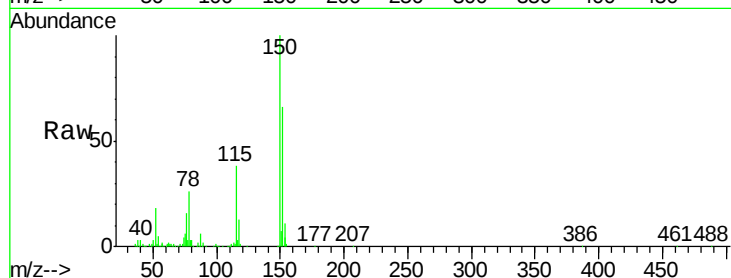
Tgt Ion:152 Resp: 91571

Ion Ratio Lower Upper

152 100

150 150.6 122.4 183.6

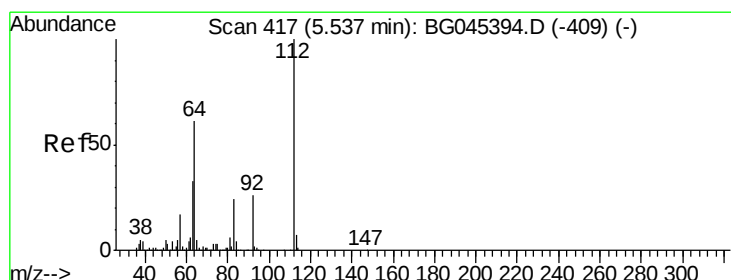
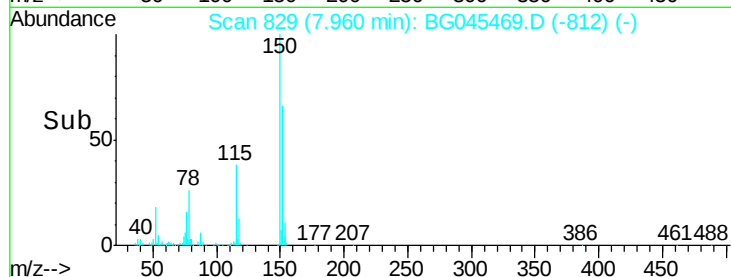
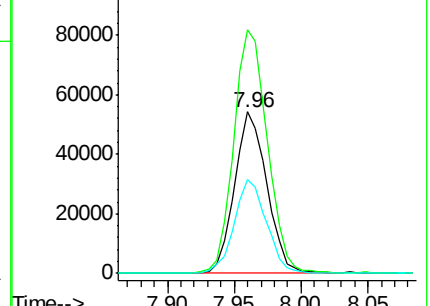
115 58.0 44.2 66.4



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: 89.52 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

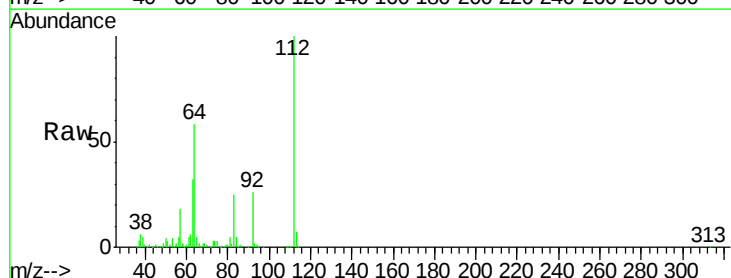
Tgt Ion:112 Resp: 419448

Ion Ratio Lower Upper

112 100

64 57.6 48.6 72.8

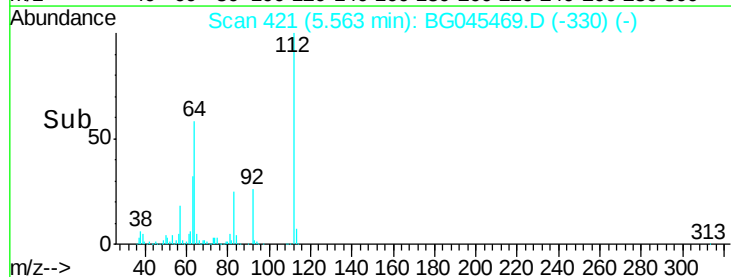
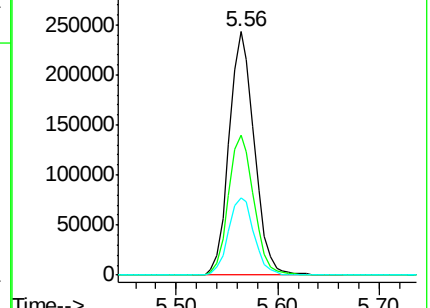
63 31.9 26.5 39.7

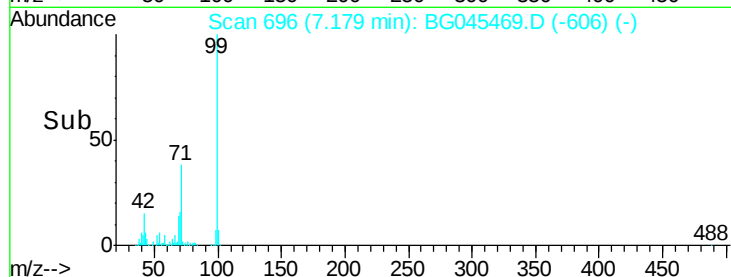
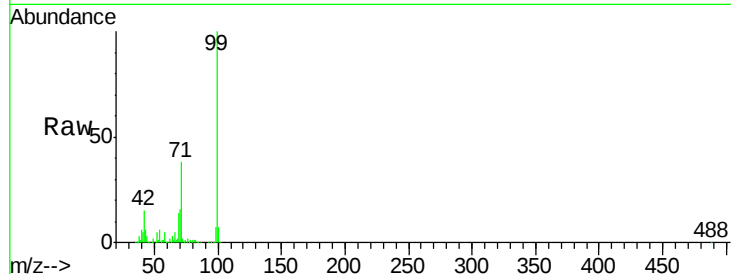
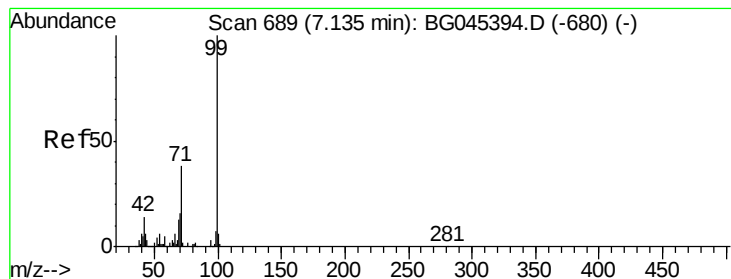


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 97.30 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

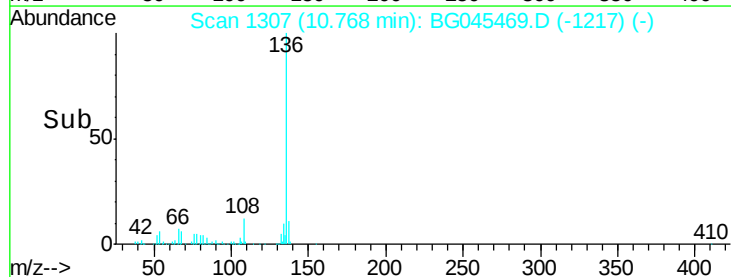
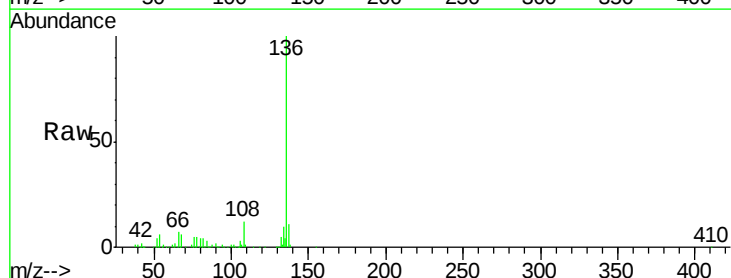
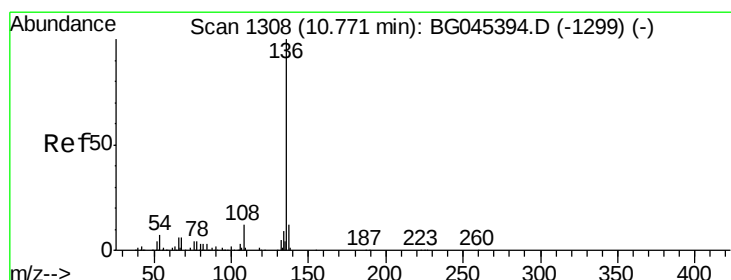
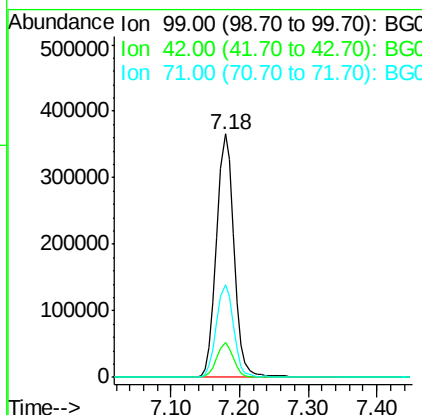
Tgt Ion: 99 Resp: 648909

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 37.9 30.8 46.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Tgt Ion: 136 Resp: 368544

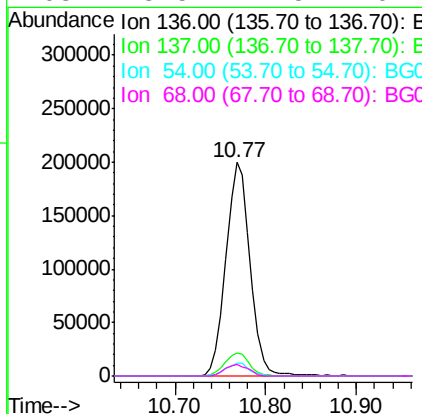
Ion Ratio Lower Upper

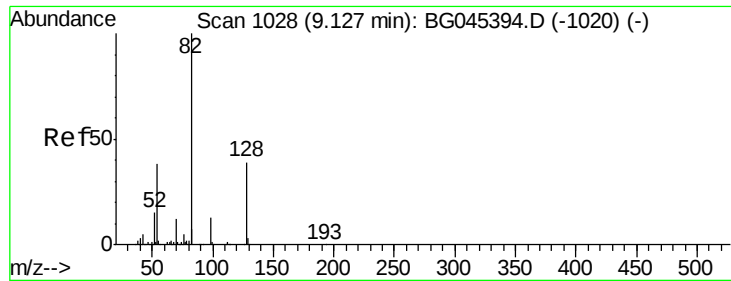
136 100

137 11.0 9.4 14.2

54 5.9 5.8 8.6

68 5.5 4.5 6.7

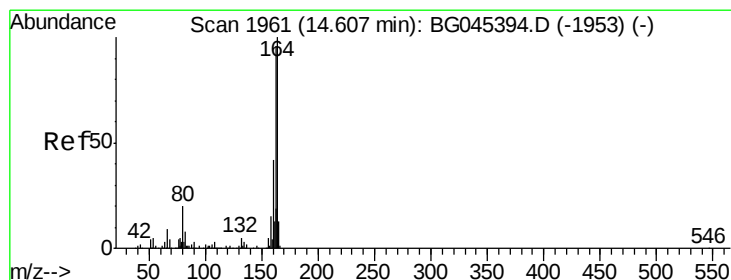
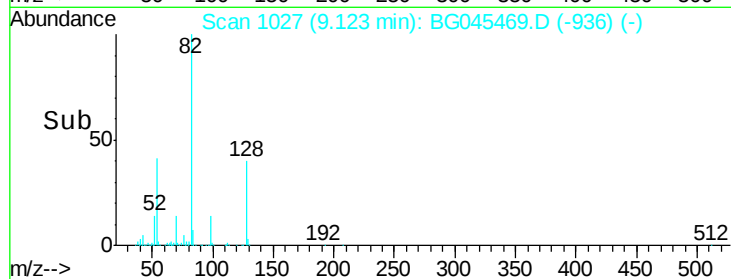
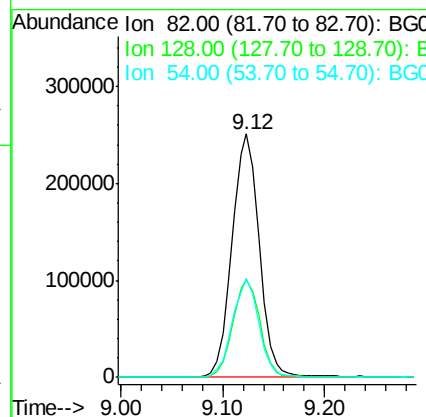
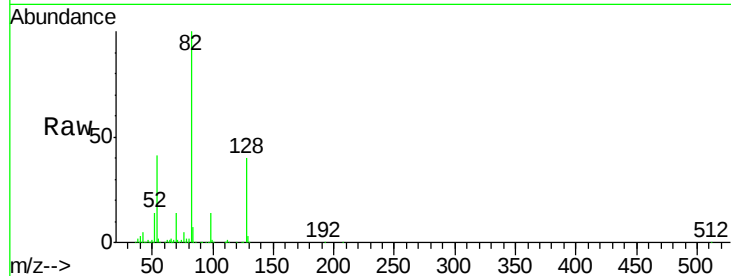




#23
 Nitrobenzene-d5
 Concen: 69.34 ng
 RT: 9.12 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

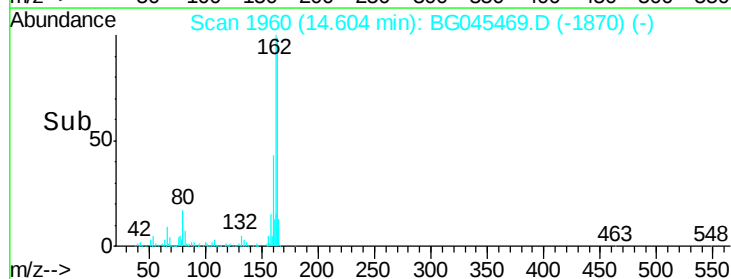
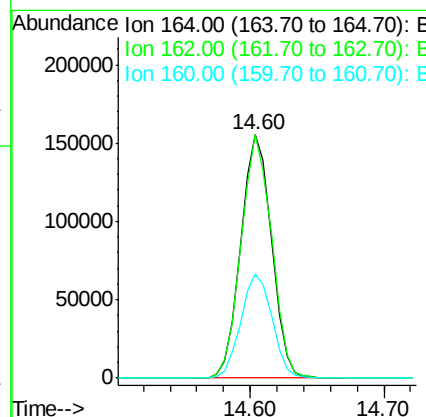
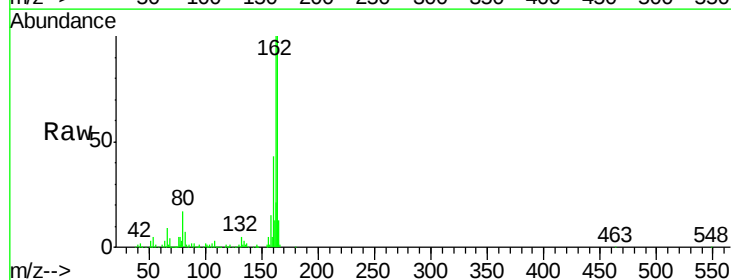
Instrument :
 BNA_G
 ClientSampleId :
 NM42-COMP-2020-0-6

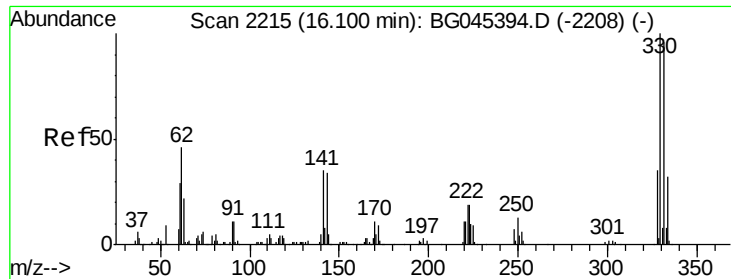
Tgt Ion: 82 Resp: 468614
 Ion Ratio Lower Upper
 82 100
 128 40.2 30.9 46.3
 54 40.9 30.3 45.5



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Tgt Ion: 164 Resp: 247392
 Ion Ratio Lower Upper
 164 100
 162 100.2 76.9 115.3
 160 42.8 33.8 50.8

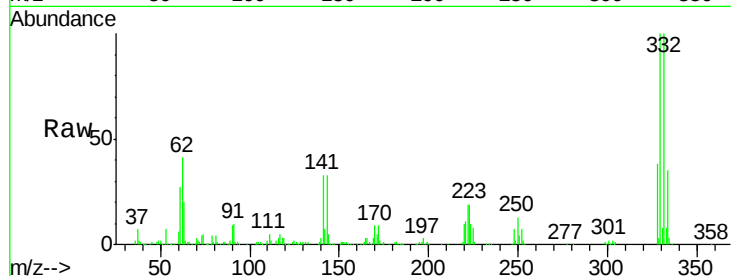




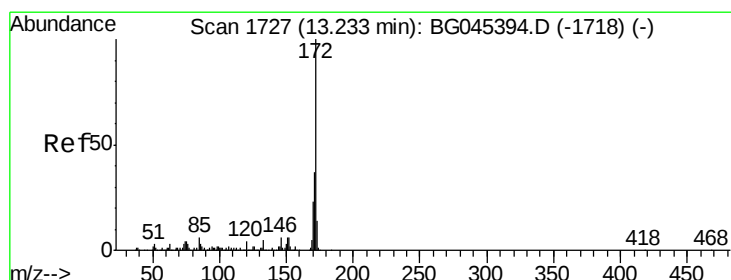
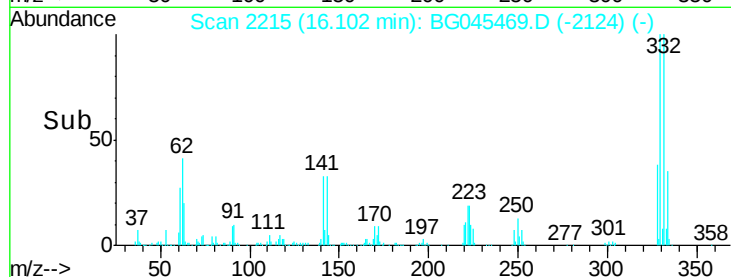
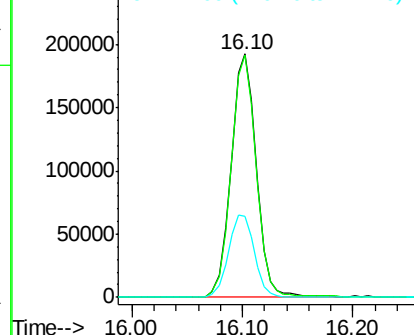
#42
 2,4,6-Tribromophenol
 Concen: 97.75 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Instrument :
 BNA_G
 ClientSampleId :
 NM42-COMP-2020-0-6

Tgt Ion:330 Resp: 309272
 Ion Ratio Lower Upper
 330 100
 332 98.7 78.2 117.4
 141 34.5 28.2 42.4

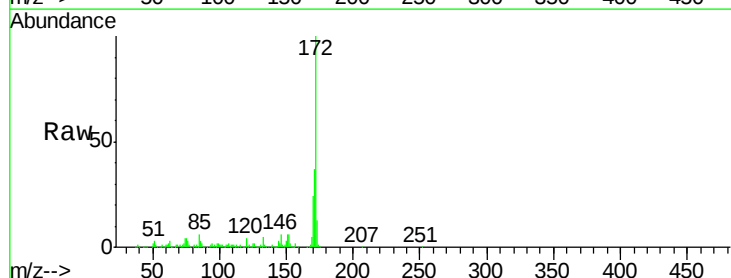


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

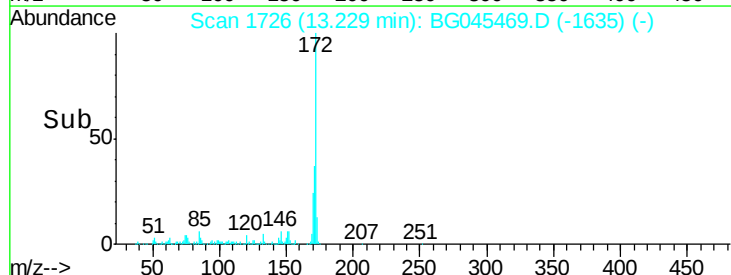
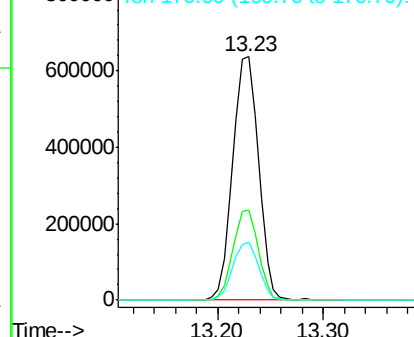


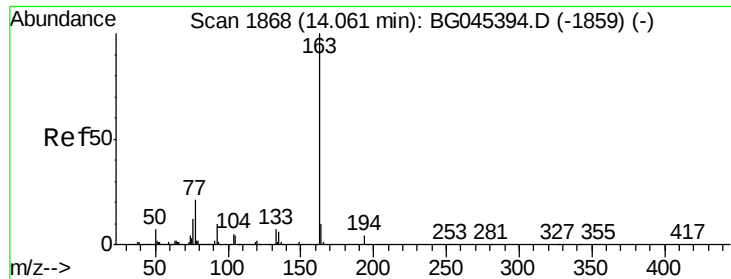
#45
 2-Fluorobiphenyl
 Concen: 73.84 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. 0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Tgt Ion:172 Resp: 1077018
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.5 44.3
 170 23.9 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: 8.22 ng

RT: 14.06 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

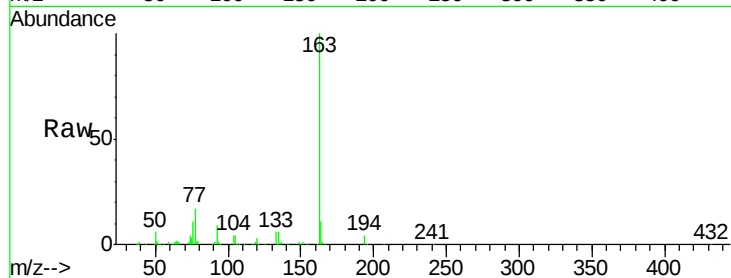
Tgt Ion:163 Resp: 139508

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

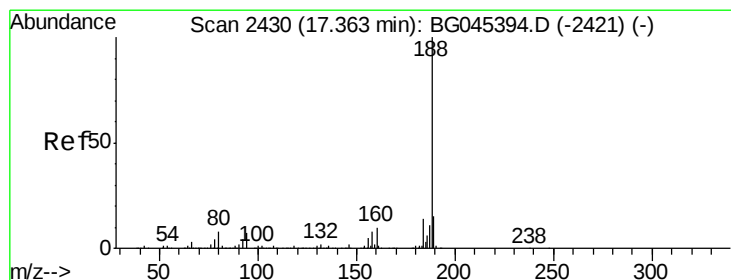
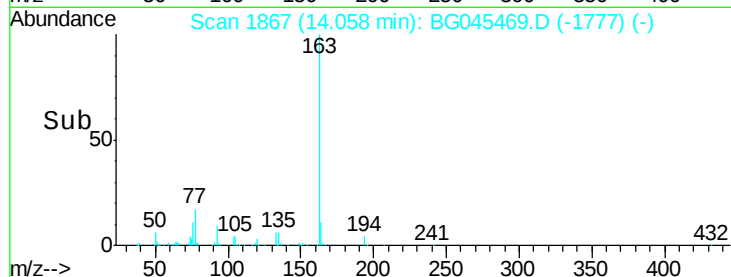
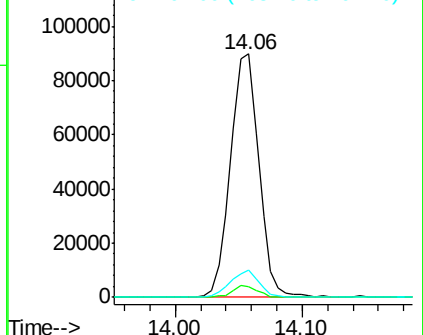
164 11.2 8.3 12.5



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



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

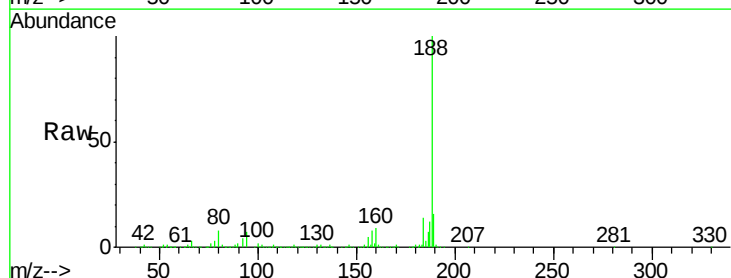
Tgt Ion:188 Resp: 529790

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

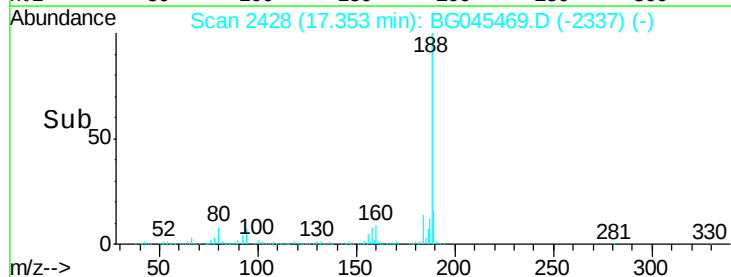
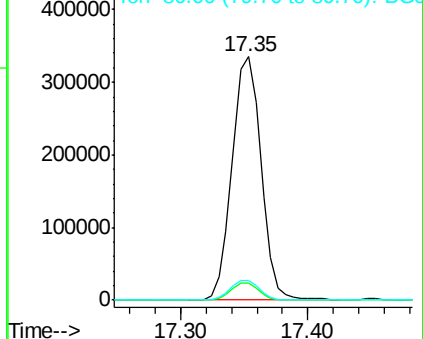
80 7.9 6.6 10.0

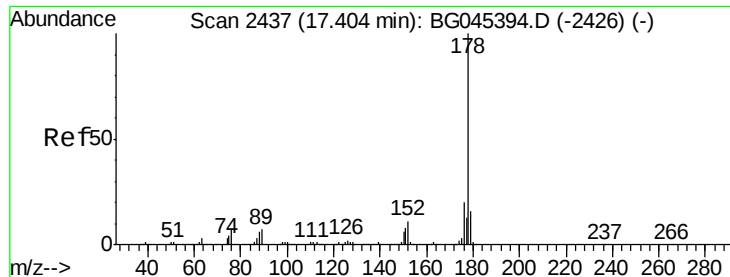


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

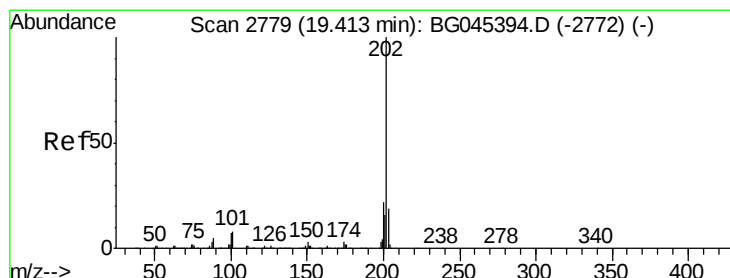
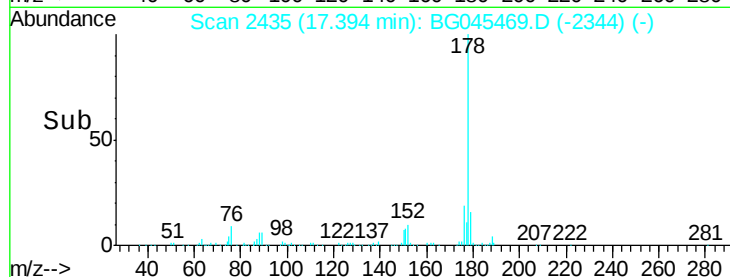
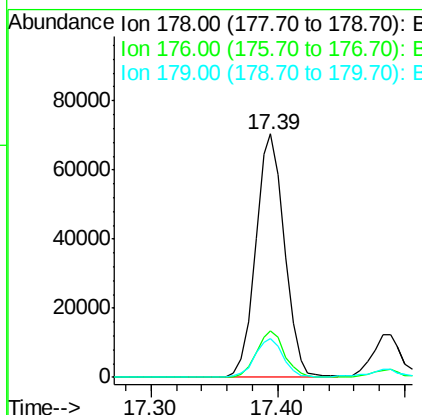
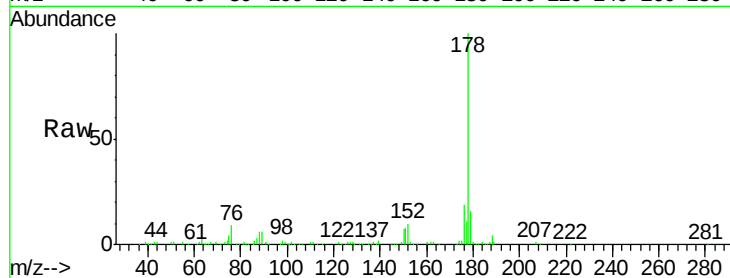




#71
Phenanthrene
Concen: 4.82 ng
RT: 17.39 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

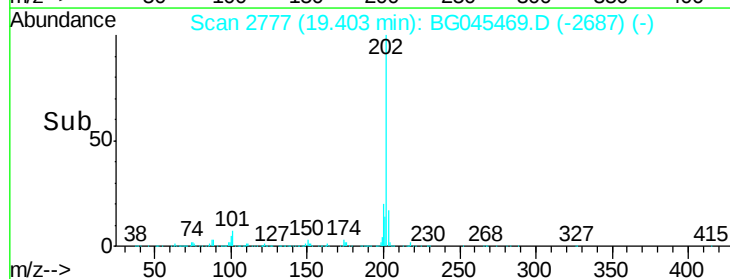
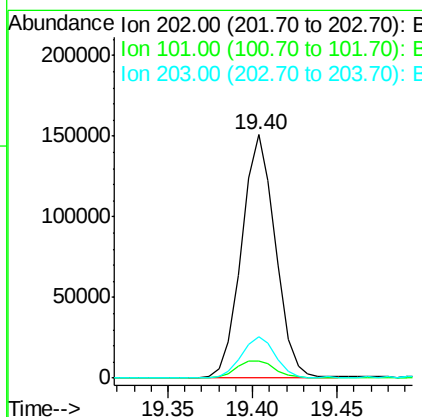
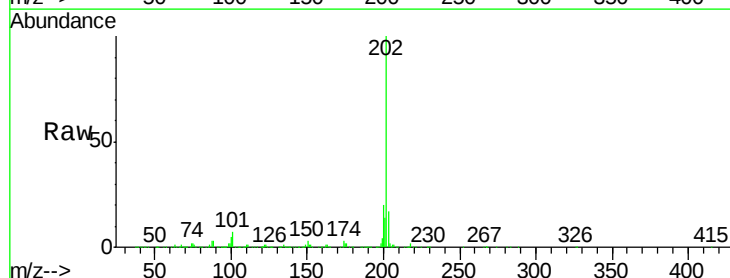
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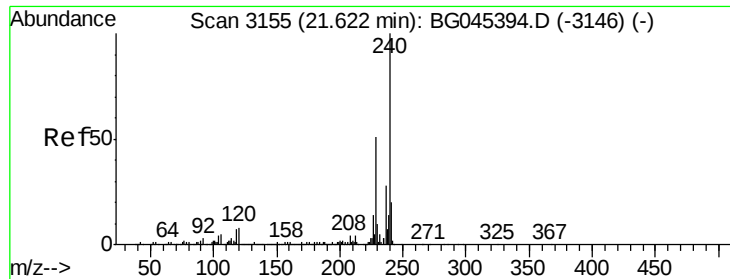
Tgt Ion:178 Resp: 111394
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.8 13.1 19.7



#75
Fluoranthene
Concen: 7.13 ng
RT: 19.40 min Scan# 2777
Delta R.T. -0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion:202 Resp: 209626
Ion Ratio Lower Upper
202 100
101 7.1 0.0 28.3
203 16.8 0.0 39.0

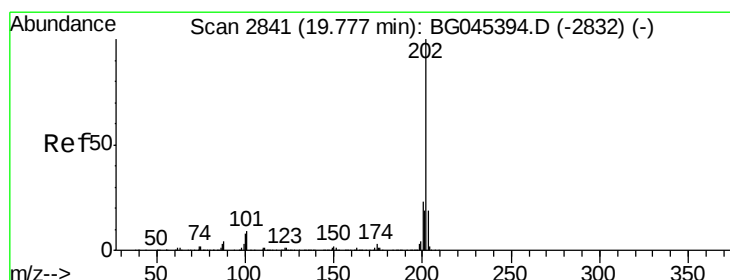
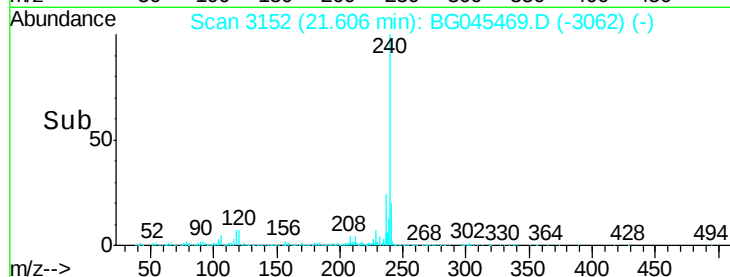
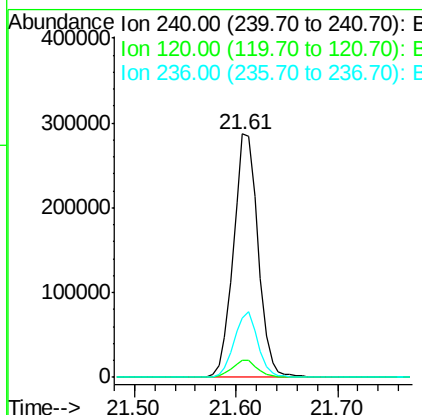
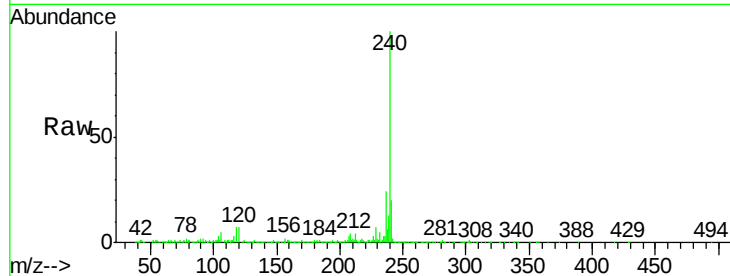




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

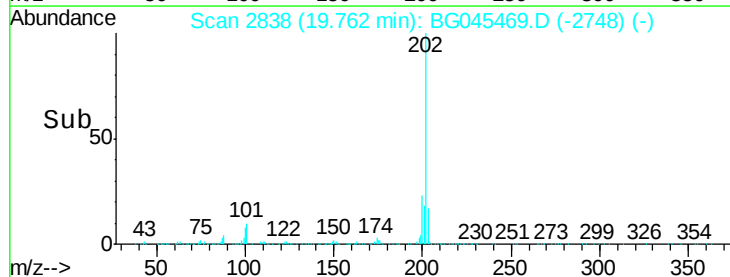
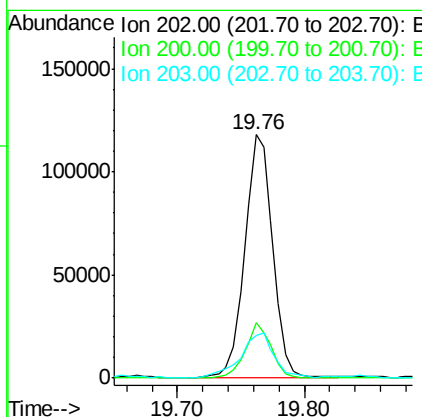
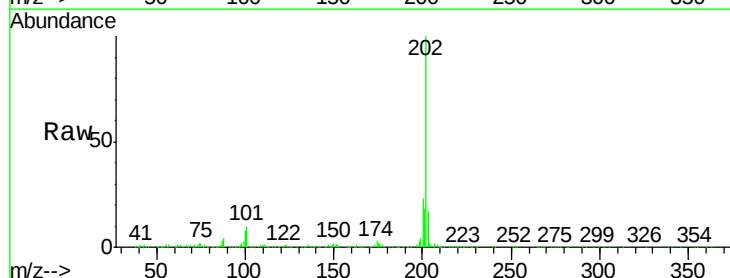
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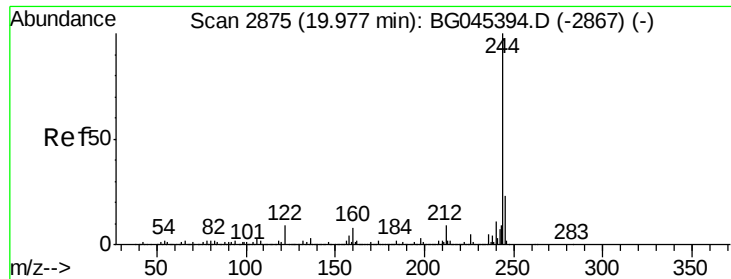
Tgt Ion:240 Resp: 484261
Ion Ratio Lower Upper
240 100
120 7.0 6.1 9.1
236 24.2 22.3 33.5



#78
Pyrene
Concen: 6.52 ng
RT: 19.76 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion:202 Resp: 179904
Ion Ratio Lower Upper
202 100
200 22.8 18.2 27.2
203 17.3 15.1 22.7





#79

Terphenyl-d14

Concen: 74.34 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

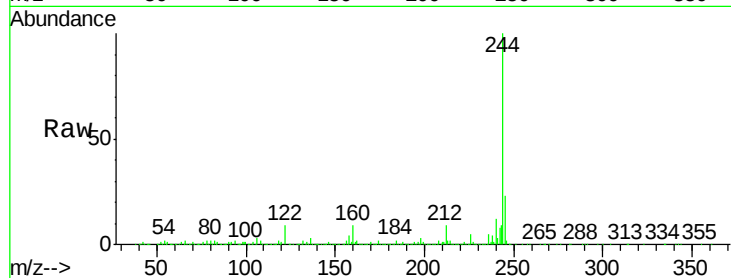
Tgt Ion:244 Resp: 1543516

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

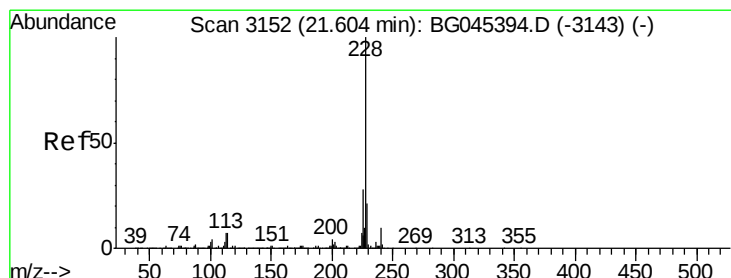
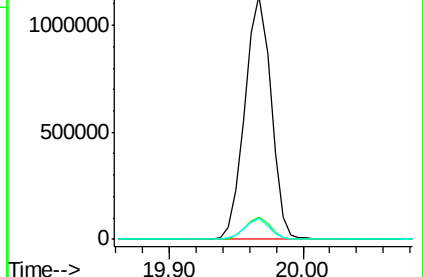
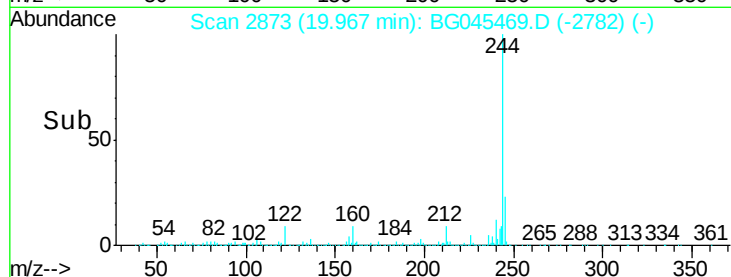
122 8.7 6.8 10.2



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: 3.69 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

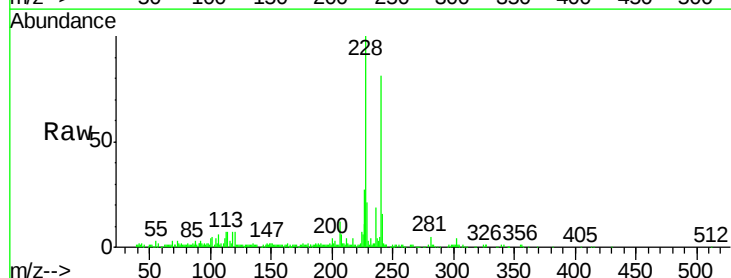
Tgt Ion:228 Resp: 99597

Ion Ratio Lower Upper

228 100

226 26.8 22.7 34.1

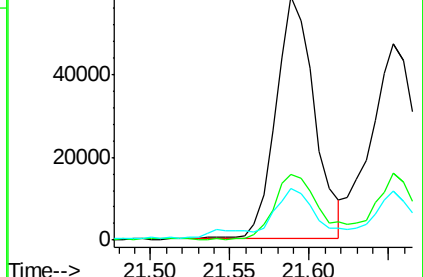
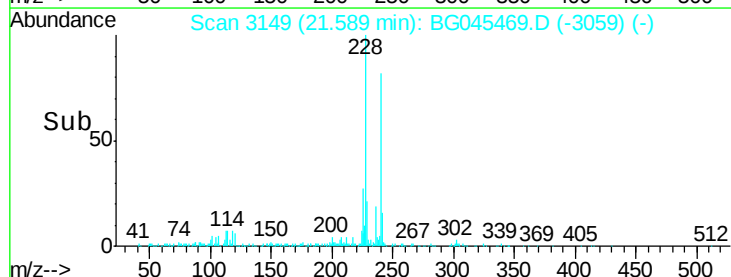
229 21.1 16.7 25.1

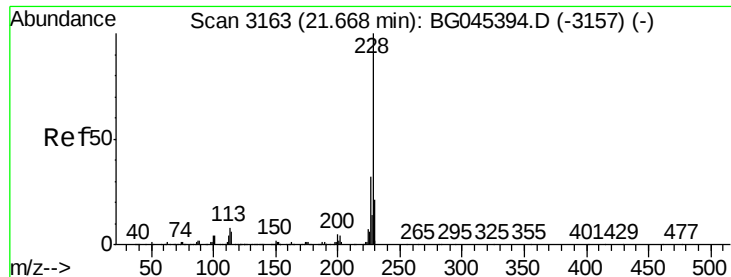


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.54 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

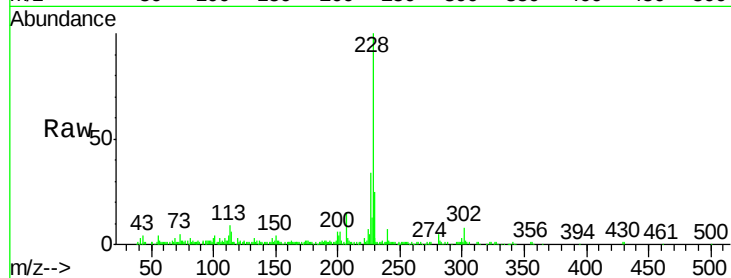
Tgt Ion:228 Resp: 91826

Ion Ratio Lower Upper

228 100

226 34.1 25.2 37.8

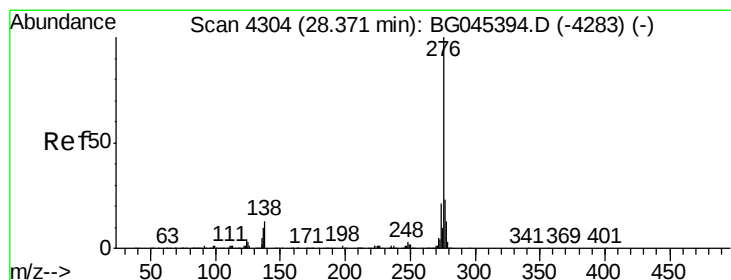
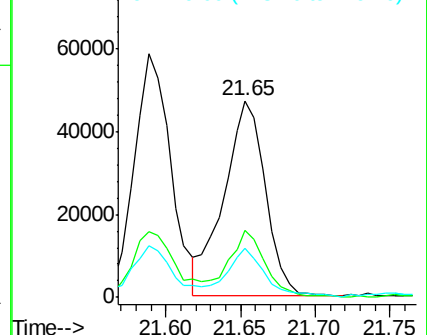
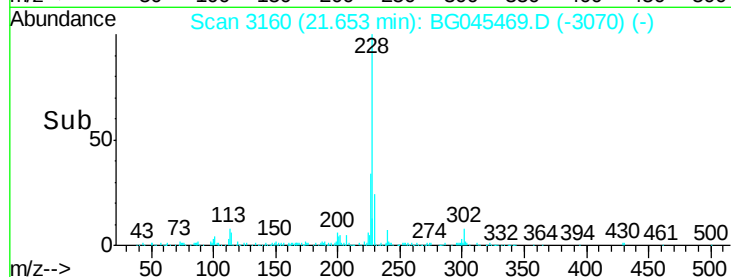
229 24.6 16.7 25.1



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: 2.10 ng

RT: 28.33 min Scan# 4296

Delta R.T. -0.02 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

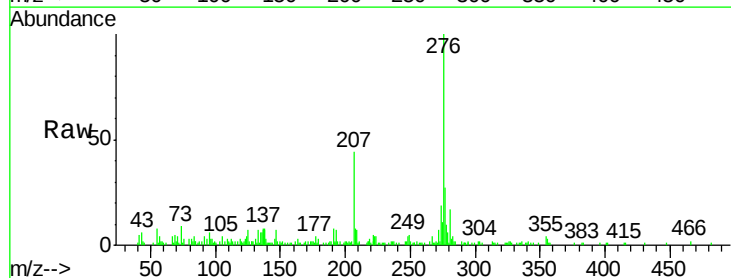
Tgt Ion:276 Resp: 71248

Ion Ratio Lower Upper

276 100

138 5.6 8.6 12.8#

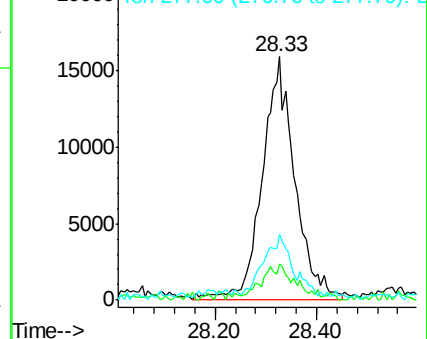
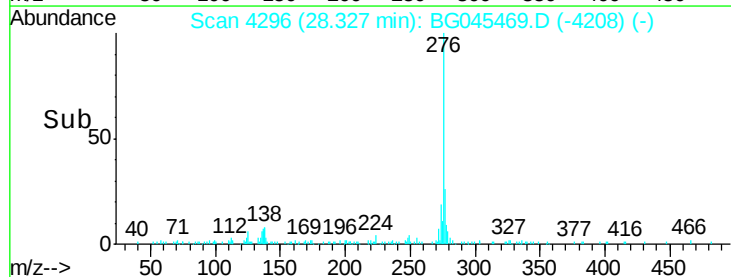
277 18.9 20.2 30.4#

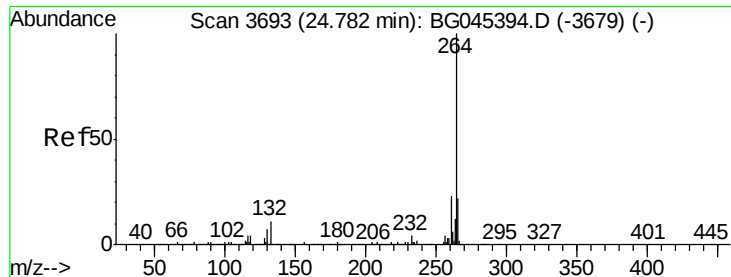


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



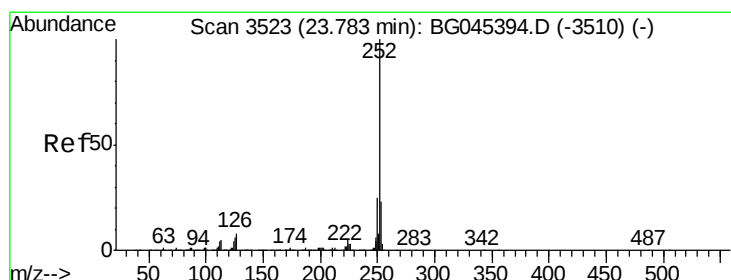
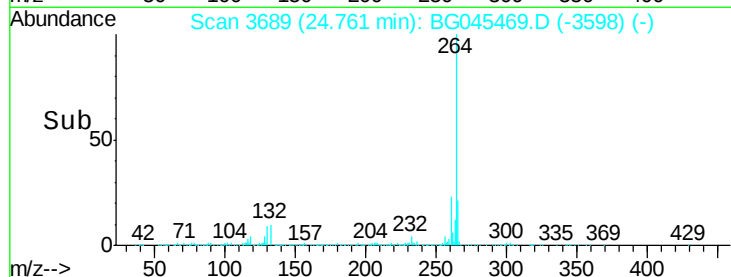
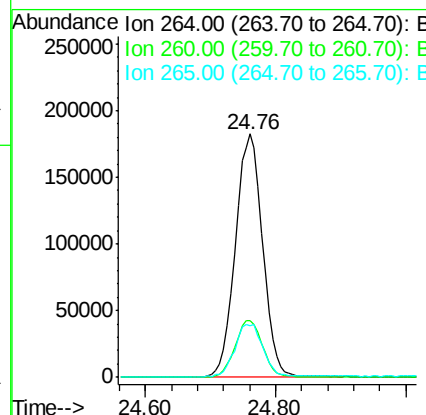
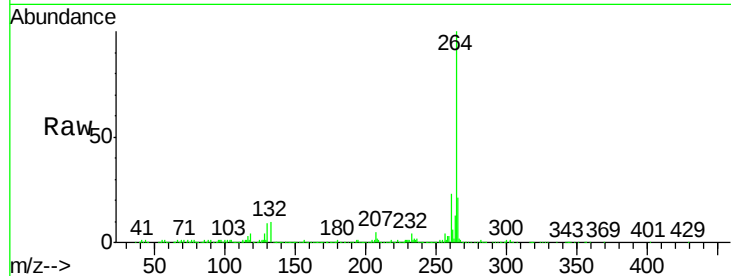


#87
Perylene-d12
Concen: 20.00 ng
RT: 24.76 min Scan# 3689
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Instrument :
BNA_G
ClientSampleId :
NM42-COMP-2020-0-6

Tgt Ion: 264 Resp: 530904

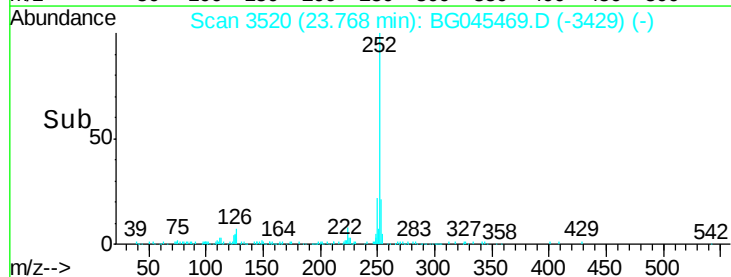
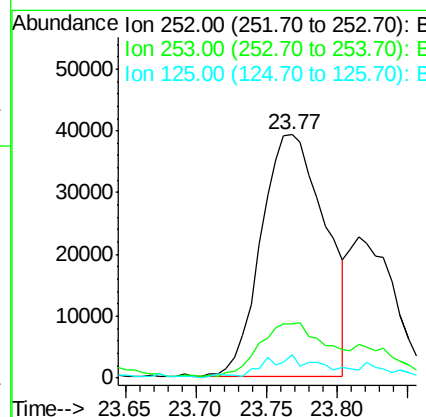
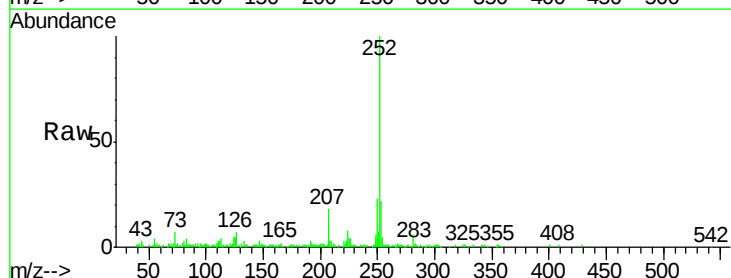
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.2	17.6	26.4

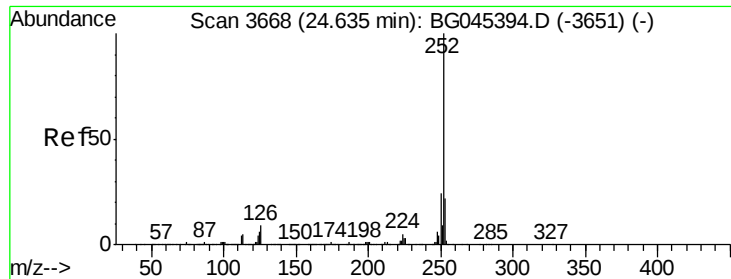


#88
Benzo(b)fluoranthene
Concen: 4.37 ng
RT: 23.77 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion: 252 Resp: 124562

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	9.8	5.0	7.6





#90

Benzo(a)pyrene

Concen: 3.32 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

NM42-COMP-2020-0-6

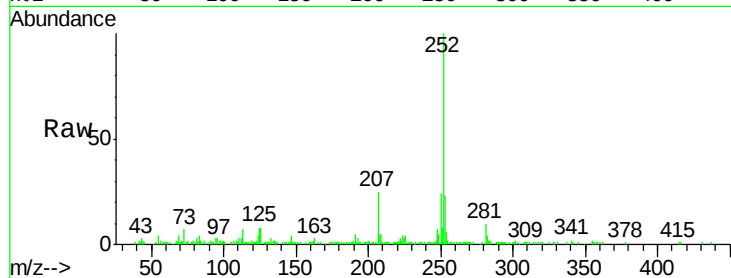
Tgt Ion:252 Resp: 87974

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

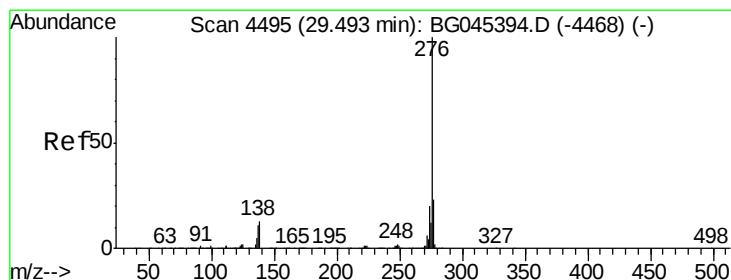
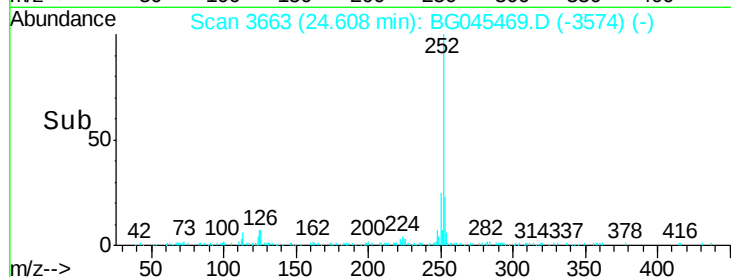
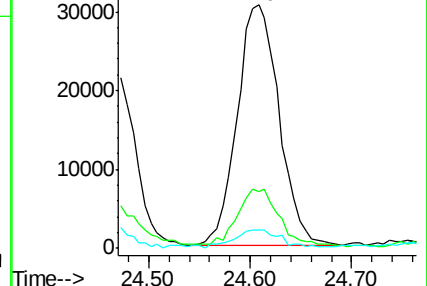
125 7.7 5.0 7.6#



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



#92

Benzo(g,h,i)perylene

Concen: 2.32 ng

RT: 29.43 min Scan# 4483

Delta R.T. -0.03 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

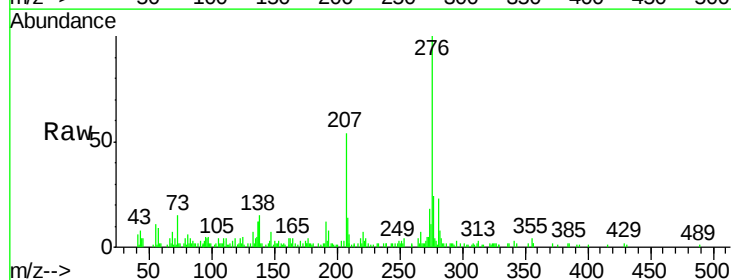
Tgt Ion:276 Resp: 61906

Ion Ratio Lower Upper

276 100

277 23.8 18.1 27.1

138 15.2 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

