

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045016.D
 Acq On : 16 Apr 2020 21:30
 Operator : CG/JU
 Sample : L2230-29
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Quant Time: Apr 17 05:29:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

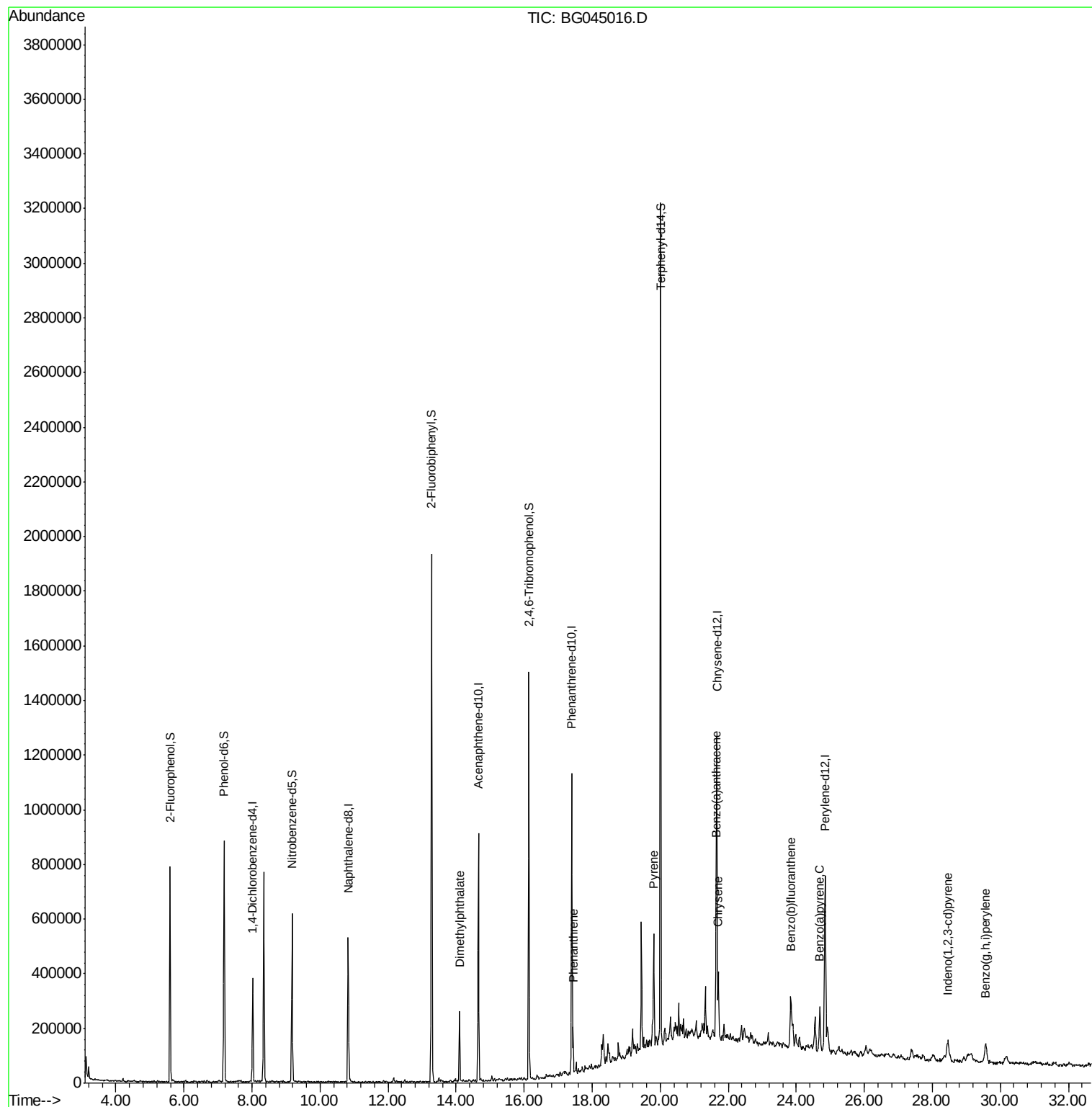
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	109231	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	471135	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	336608	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	728843	20.00	ng	0.00
76) Chrysene-d12	21.66	240	654531	20.00	ng	0.00
87) Perylene-d12	24.85	264	732083	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	379558	57.37	ng	0.00
7) Phenol-d6	7.18	99	580587	59.06	ng	0.00
23) Nitrobenzene-d5	9.18	82	426626	41.32	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	302668	58.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1032681	44.99	ng	0.00
79) Terphenyl-d14	20.01	244	1428310	47.56	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.10	163	167469	6.110	ng	Qvalue # 98
71) Phenanthrene	17.44	178	107761	2.877	ng	95
78) Pyrene	19.81	202	269999	5.984	ng	94
81) Benzo(a)anthracene	21.64	228	185055	4.362	ng	95
83) Chrysene	21.71	228	177646	4.358	ng	98
86) Indeno(1,2,3-cd)pyrene	28.46	276	137079	2.533	ng	# 93
88) Benzo(b)fluoranthene	23.84	252	245703	5.358	ng	98
90) Benzo(a)pyrene	24.69	252	186304	4.303	ng	99
92) Benzo(g,h,i)perylene	29.56	276	131828	3.014	ng	99

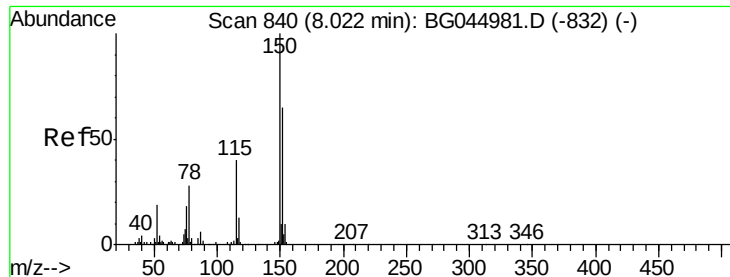
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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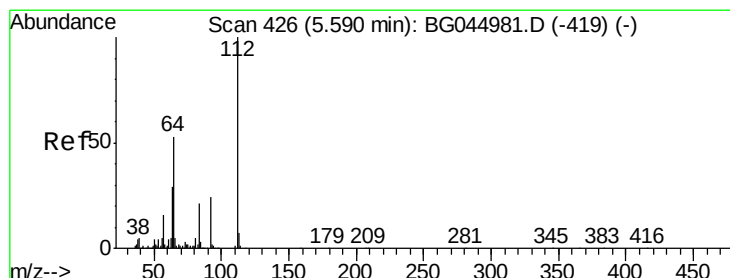
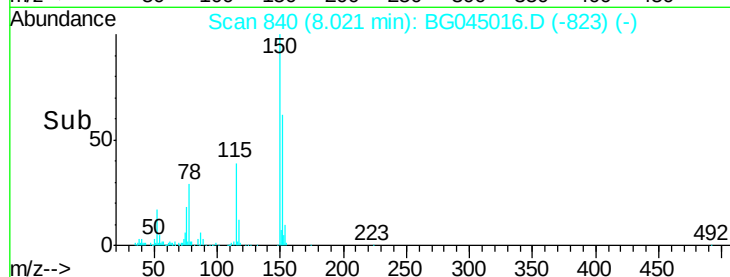
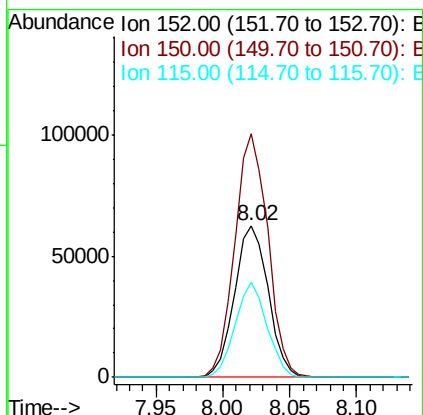
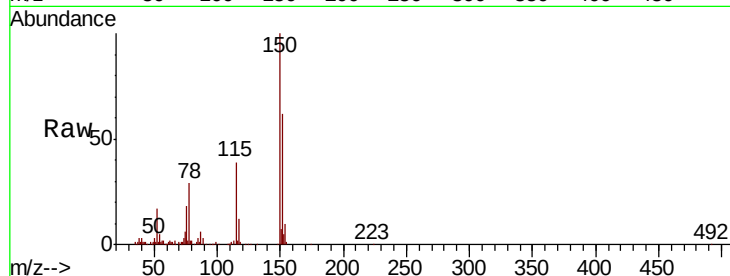


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

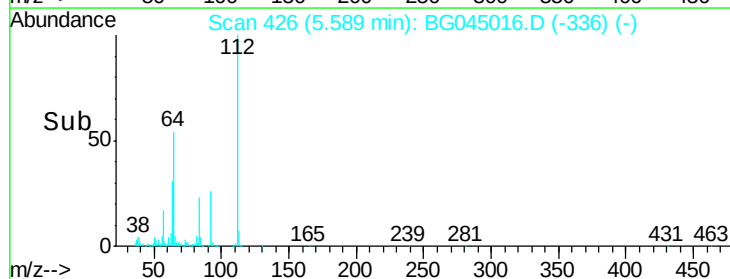
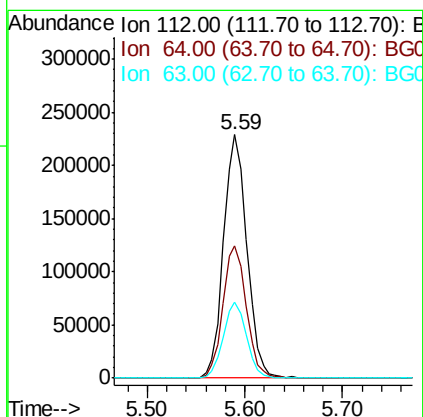
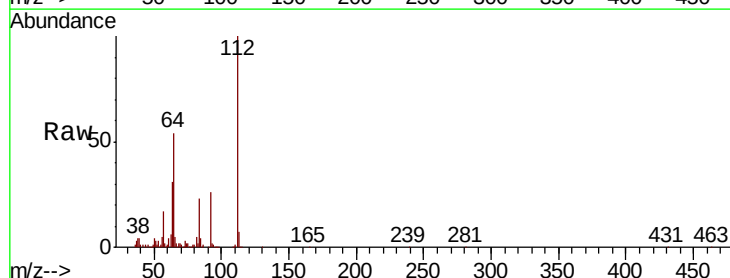
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	123.6	185.4
115	63.0	49.1	73.7

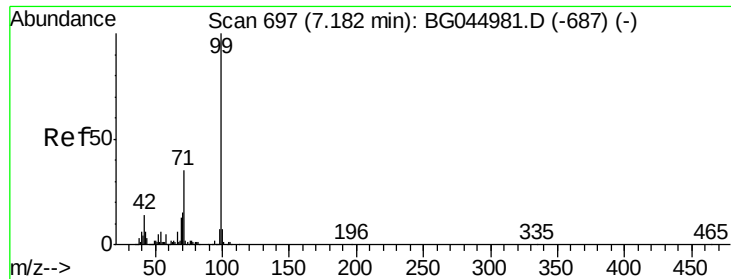


#5

2-Fluorophenol
 Concen: 57.367 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.4	63.6
63	31.3	23.1	34.7





#7

Phenol-d6

Concen: 59.062 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Instrument :

BNA_G

ClientSampleId :

TP-20

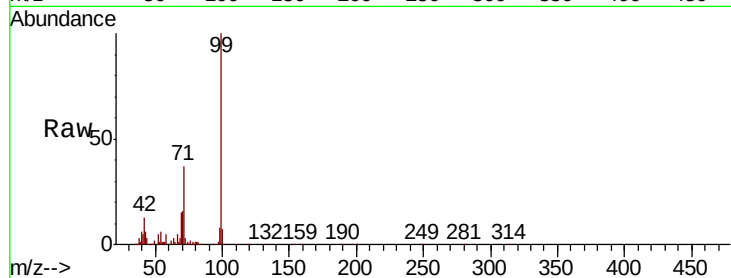
Tot Ion: 99 Resp: 580587

Ion Ratio Lower Upper

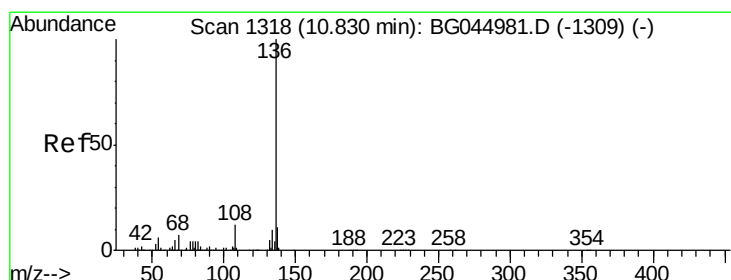
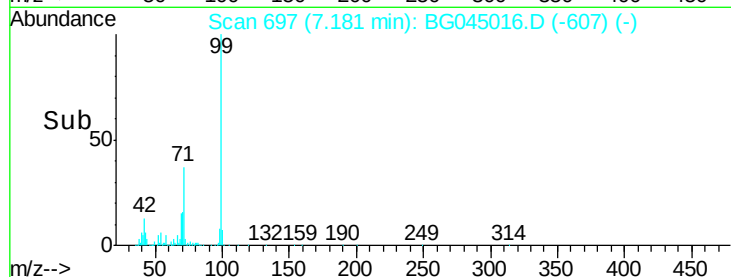
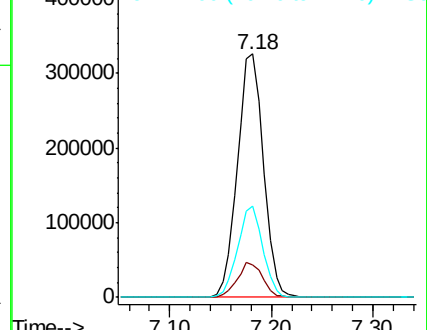
99 100

42 13.4 11.3 16.9

71 37.3 28.3 42.5



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: 10.83 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Tgt Ion: 136 Resp: 471135

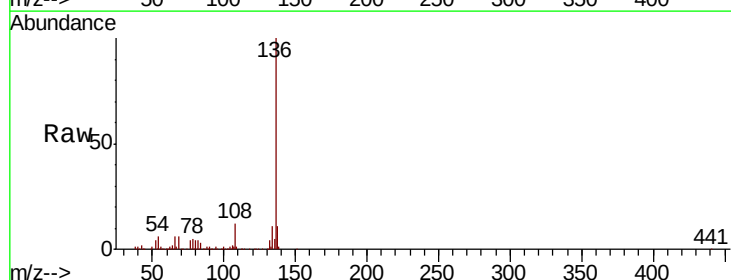
Ion Ratio Lower Upper

136 100

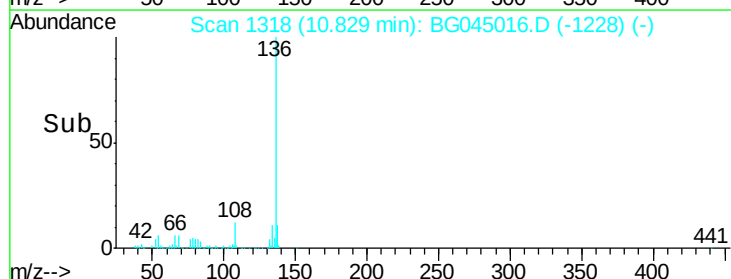
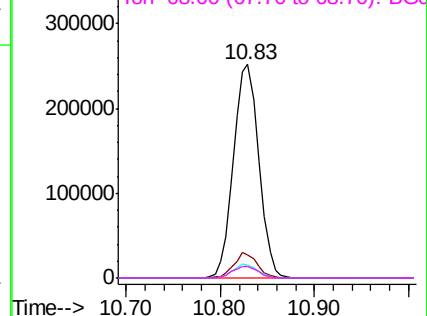
137 10.8 8.6 13.0

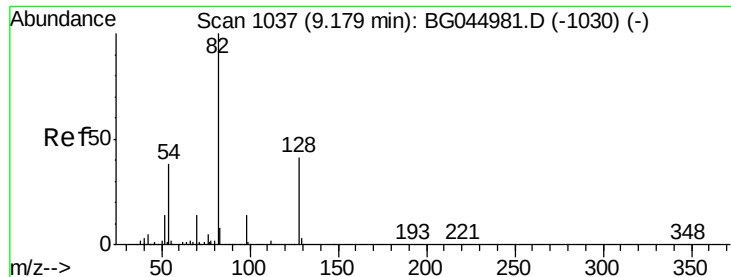
54 5.9 4.8 7.2

68 5.7 5.2 7.8



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

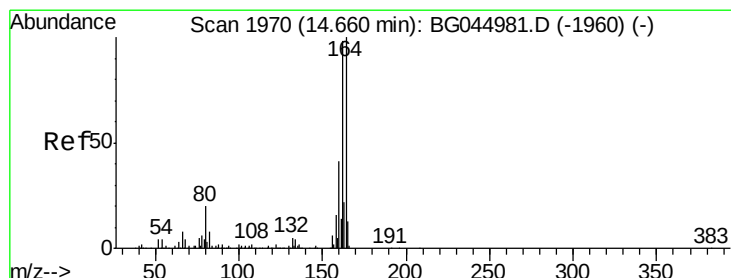
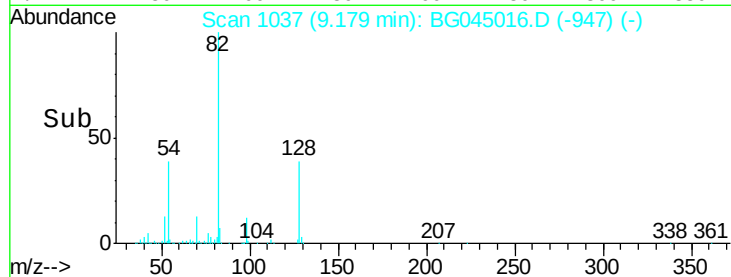
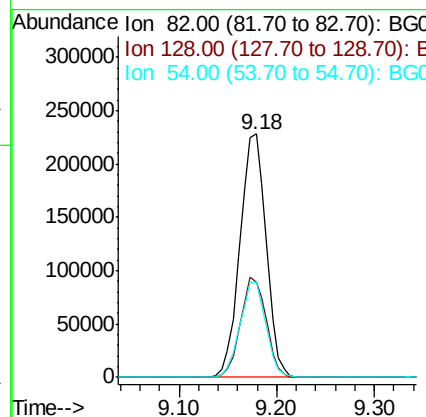
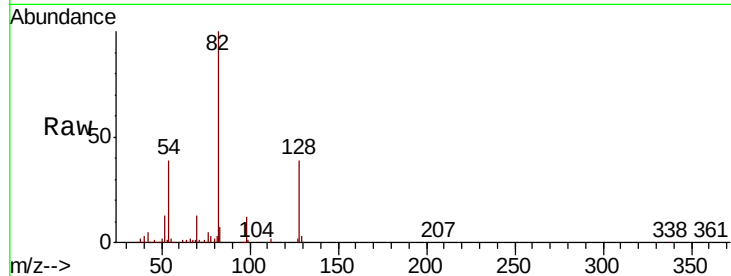




#23
 Nitrobenzene-d5
 Concen: 41.318 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

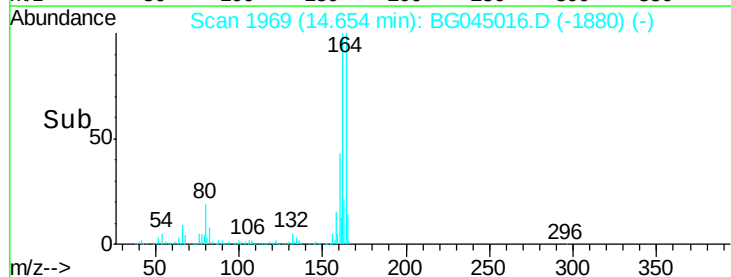
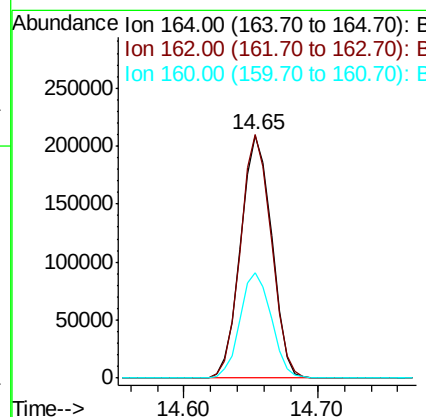
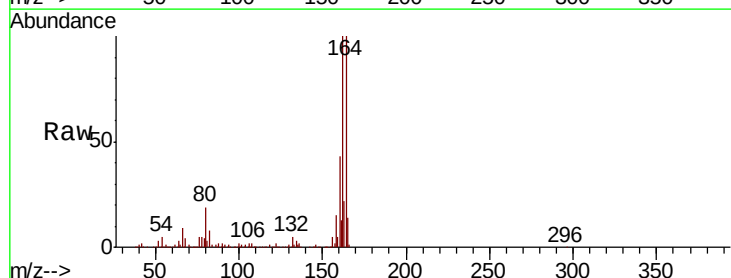
Instrument :
 BNA_G
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 TP-20

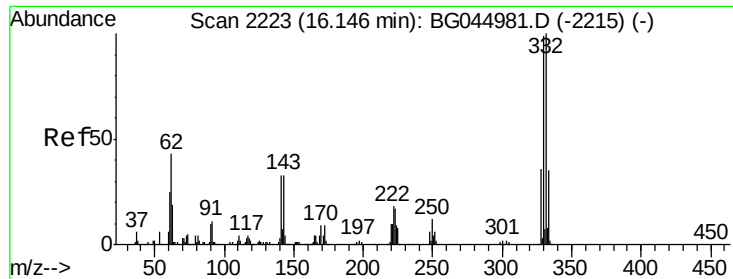
Tot Ion	82	Resp	426626
Ion Ratio	Lower	Upper	
82	100		
128	39.3	33.0	49.4
54	39.2	30.4	45.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

Tgt Ion	164	Resp	336608
Ion Ratio	Lower	Upper	
164	100		
162	100.3	78.7	118.1
160	43.4	32.8	49.2

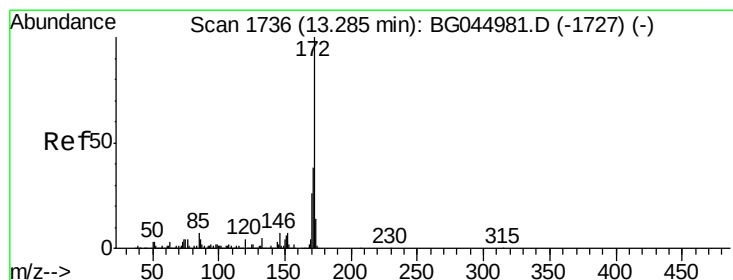
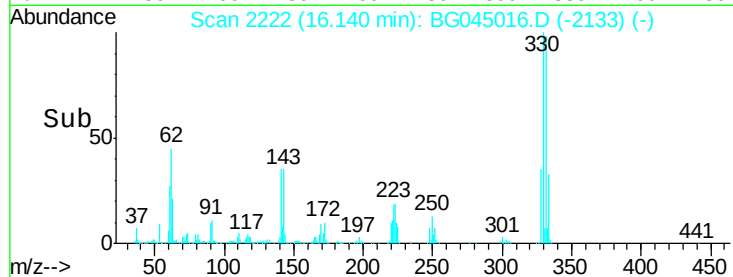
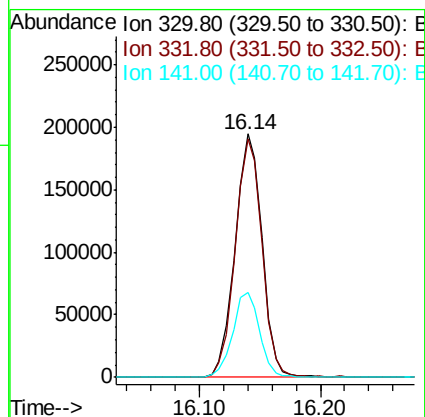
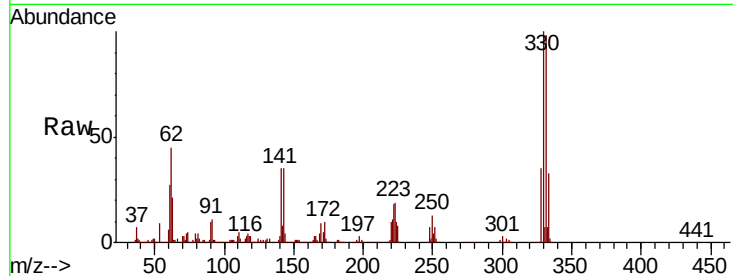




#42
 2,4,6-Tribromophenol
 Concen: 58.204 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

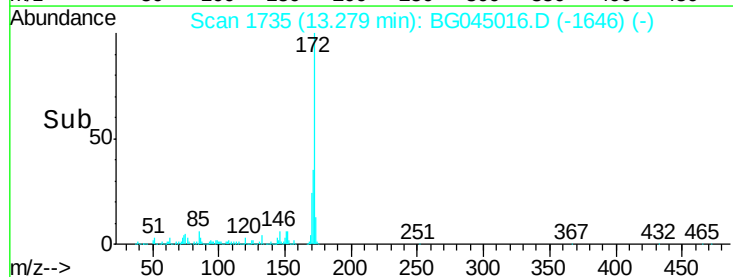
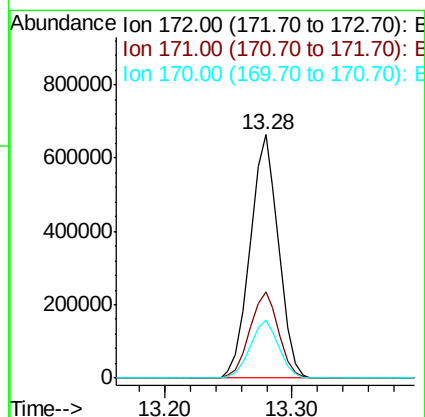
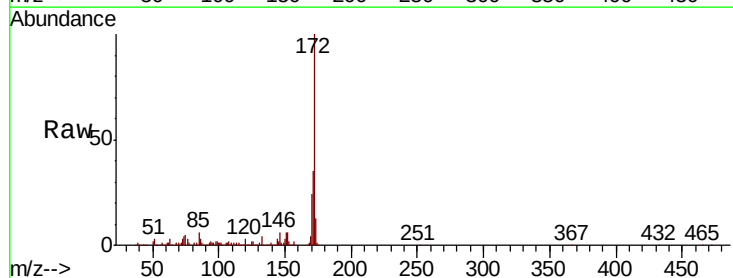
Instrument :
 BNA_G
 ClientSampleId :
 TP-20

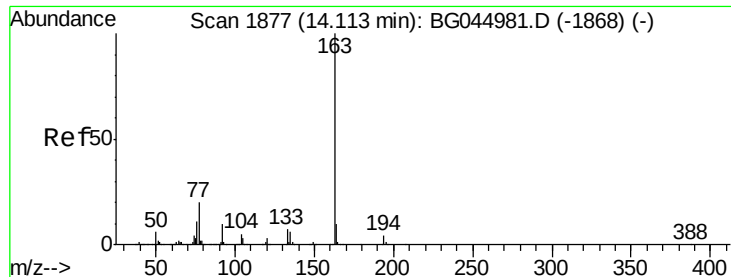
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	34.8	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 44.985 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.6	46.0
170	24.0	20.5	30.7





#50

Dimethylphthalate

Concen: 6.110 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Instrument :

BNA_G

ClientSampleId :

TP-20

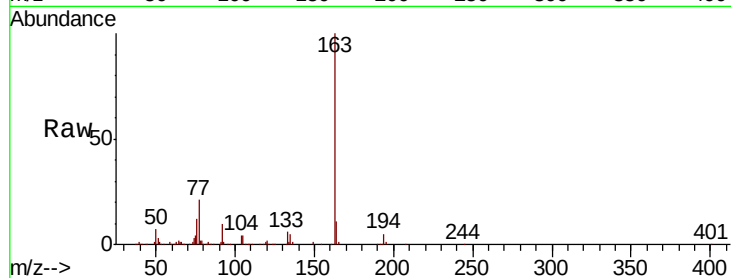
Tot Ion:163 Resp: 167469

Ion Ratio Lower Upper

163 100

194 5.3 3.5 5.3#

164 10.8 8.2 12.4

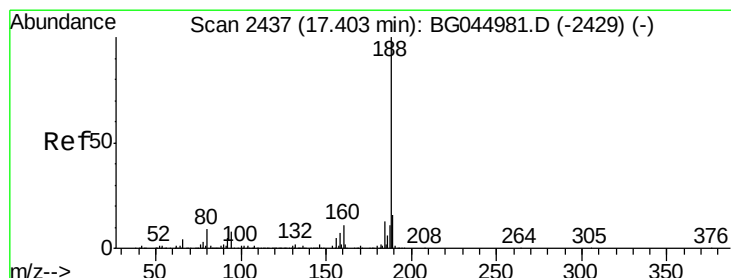
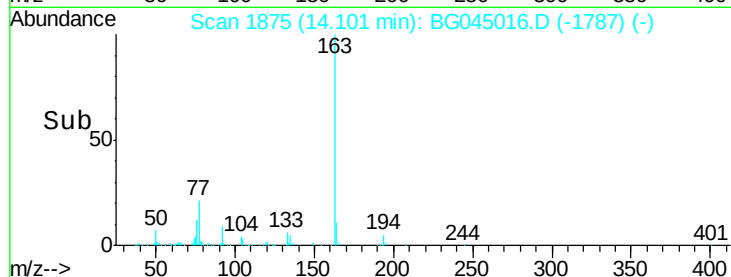
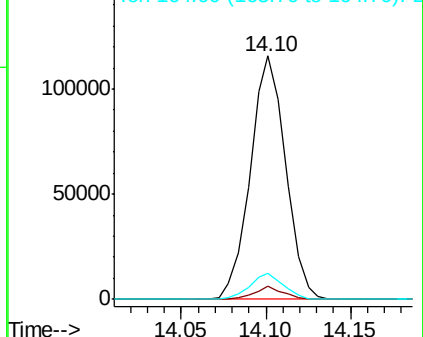


Abundance

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: 17.40 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

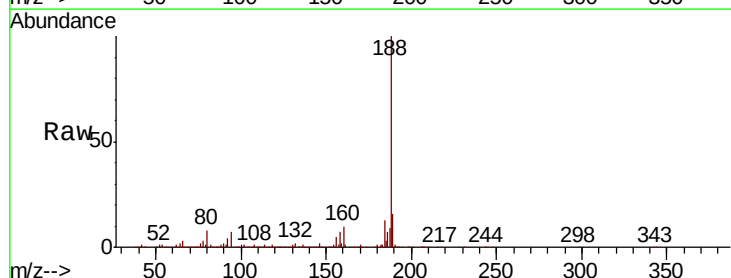
Tgt Ion:188 Resp: 728843

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

80 8.0 7.0 10.6

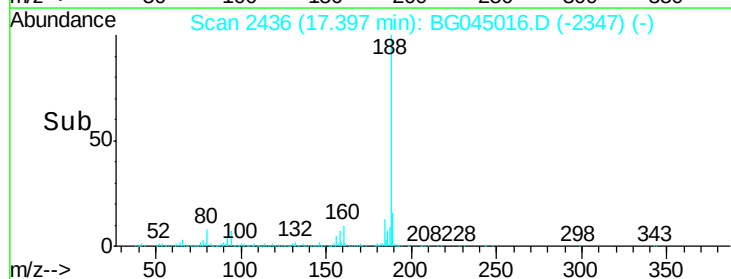
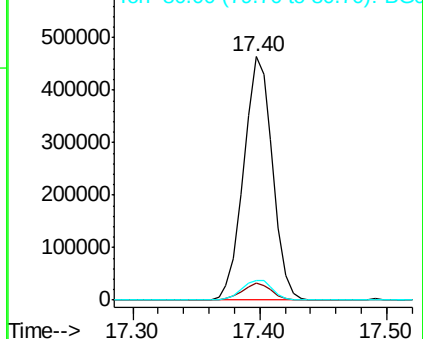


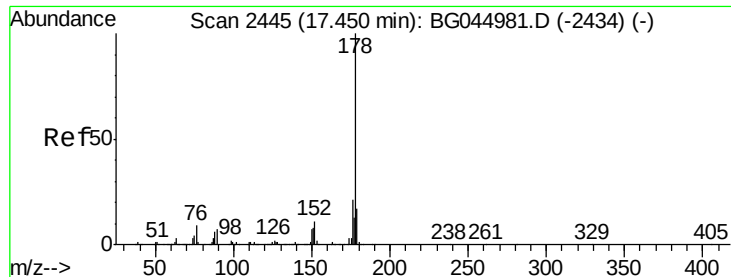
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

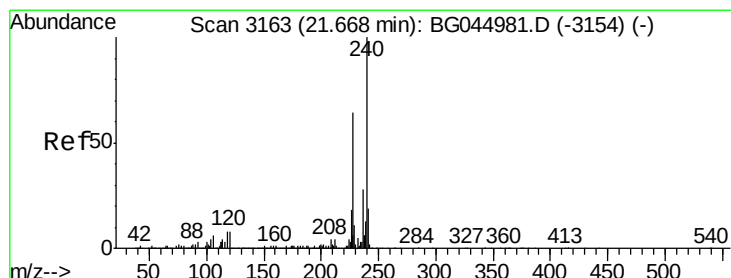
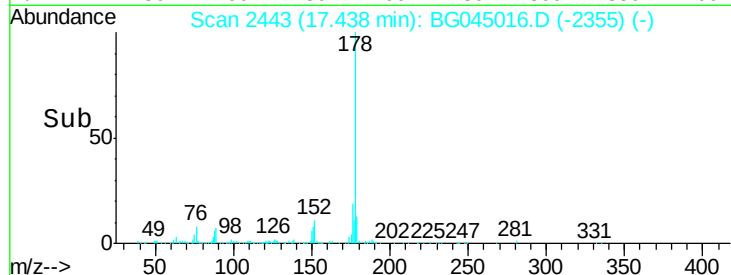
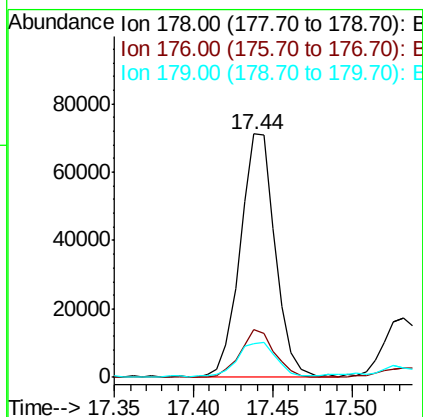
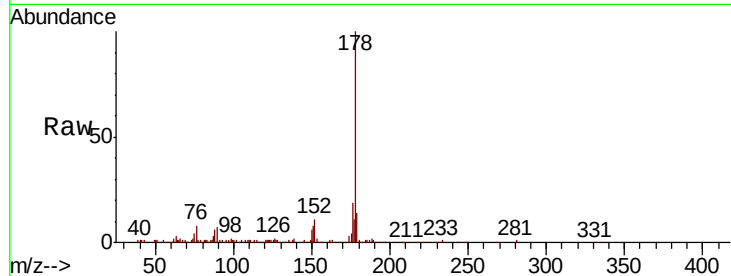




#71
Phenanthrene
Concen: 2.877 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG045016.D
Acq: 16 Apr 2020 21:30

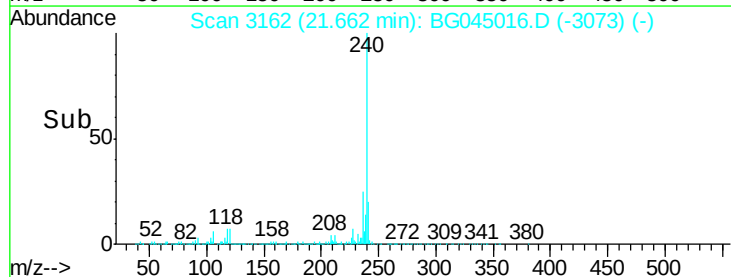
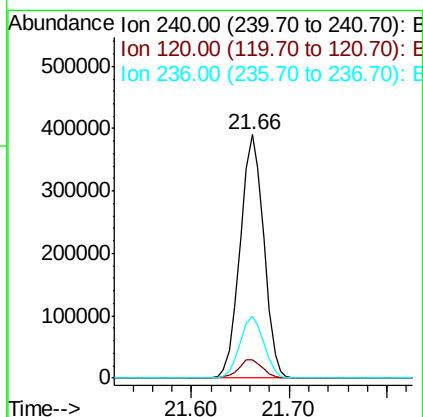
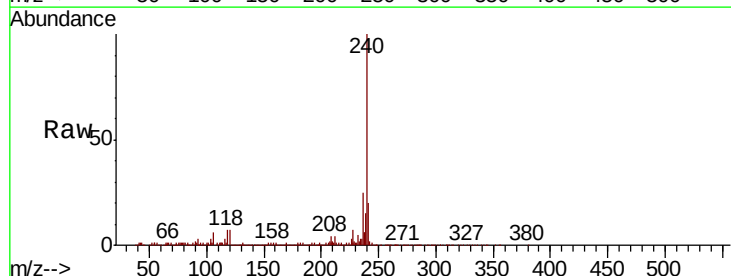
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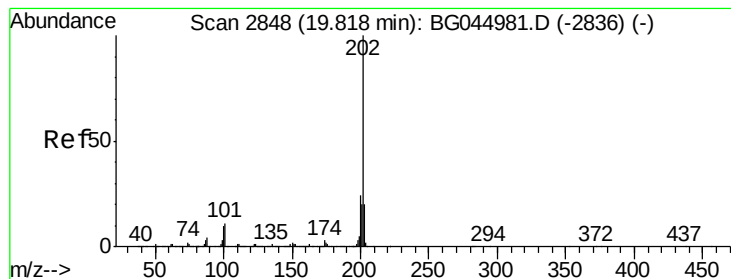
Tot Ion:178 Resp: 107761
Ion Ratio Lower Upper
178 100
176 19.4 16.8 25.2
179 13.8 13.2 19.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG045016.D
Acq: 16 Apr 2020 21:30

Tgt Ion:240 Resp: 654531
Ion Ratio Lower Upper
240 100
120 7.3 6.6 10.0
236 25.3 22.2 33.2





#78

Pvrene

Concen: 5.984 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Instrument :

BNA_G

ClientSampled :

TP-20

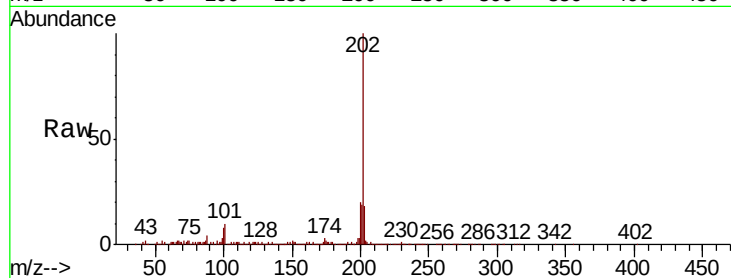
Tot Ion:202 Resp: 269999

Ion Ratio Lower Upper

202 100

200 20.3 19.0 28.6

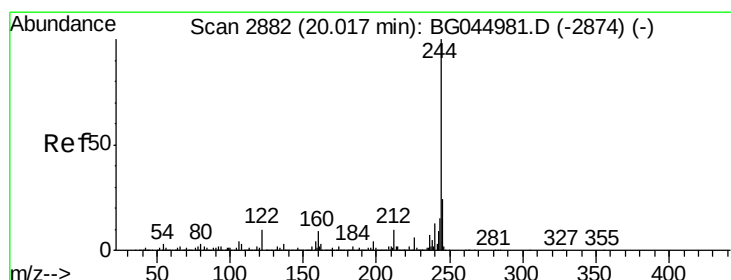
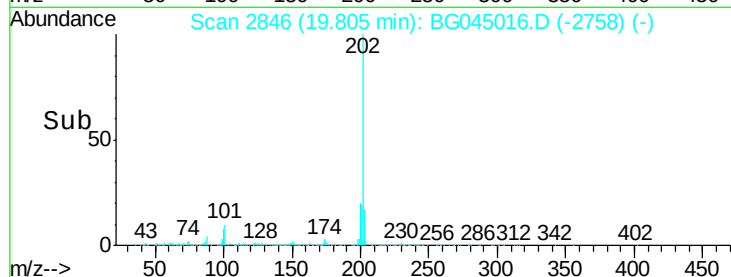
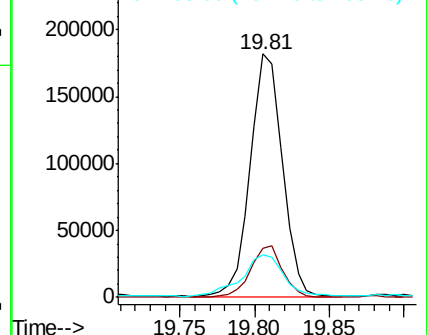
203 17.7 16.1 24.1



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: 47.562 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

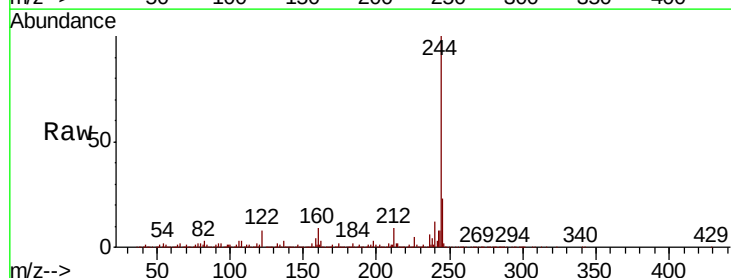
Tgt Ion:244 Resp: 1428310

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

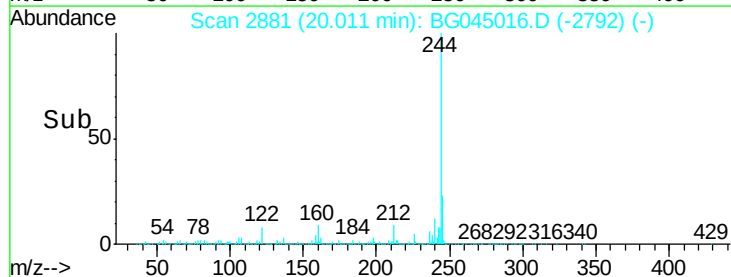
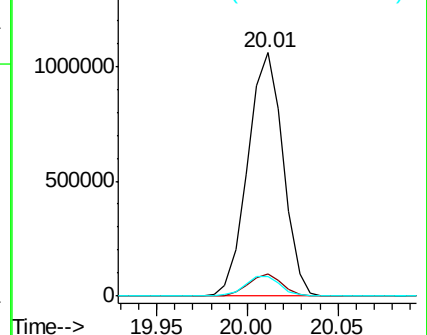
122 8.3 7.7 11.5

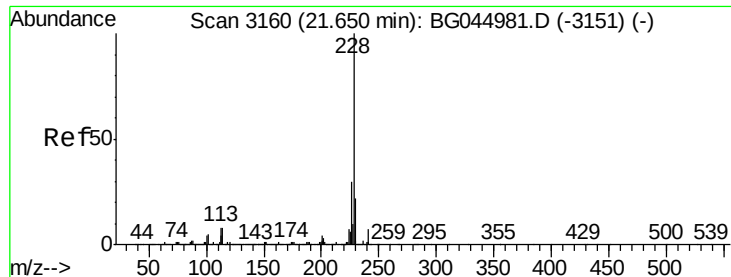


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.362 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Instrument :

BNA_G

ClientSampleId :

TP-20

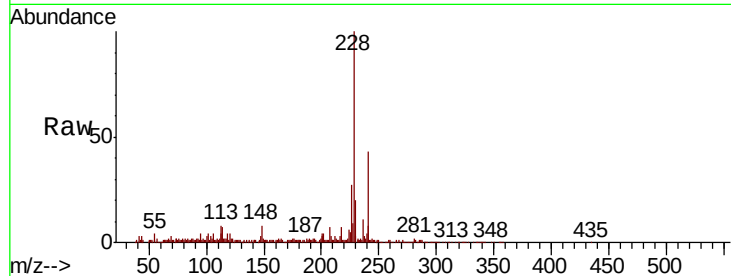
Tot Ion:228 Resp: 185055

Ion Ratio Lower Upper

228 100

226 27.0 24.0 36.0

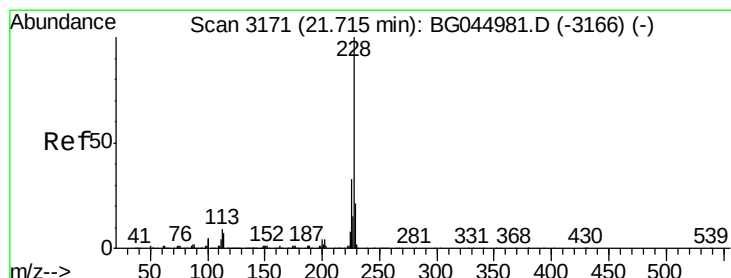
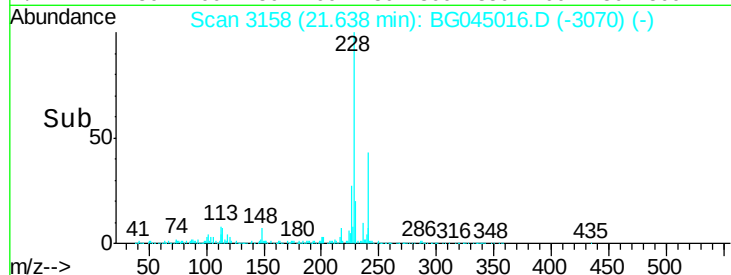
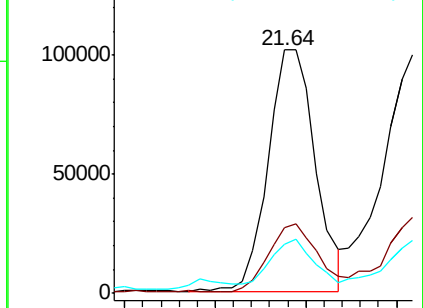
229 20.3 17.5 26.3



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: 4.358 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

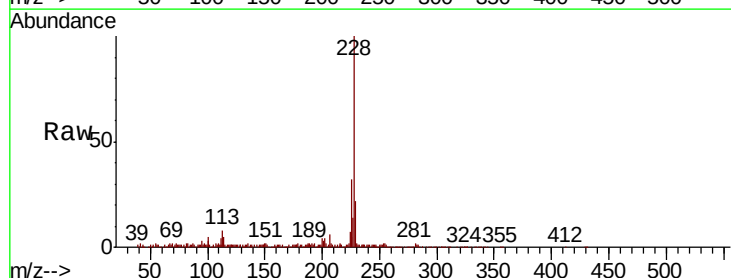
Tgt Ion:228 Resp: 177646

Ion Ratio Lower Upper

228 100

226 32.1 26.2 39.4

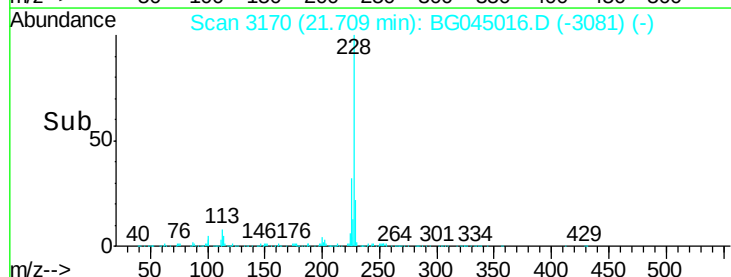
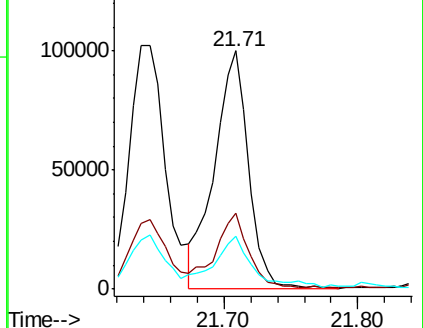
229 22.4 17.0 25.6

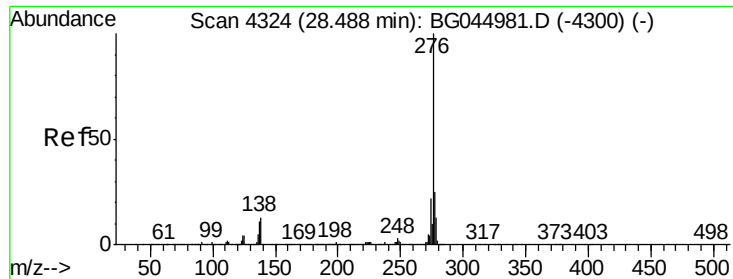


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

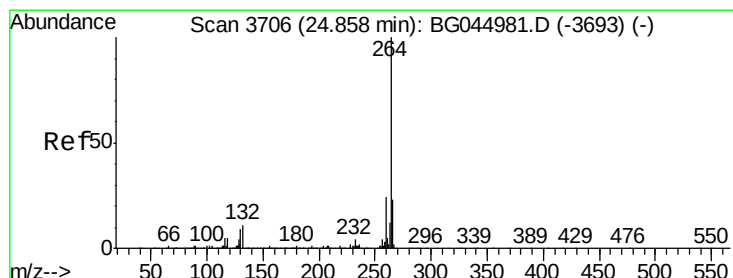
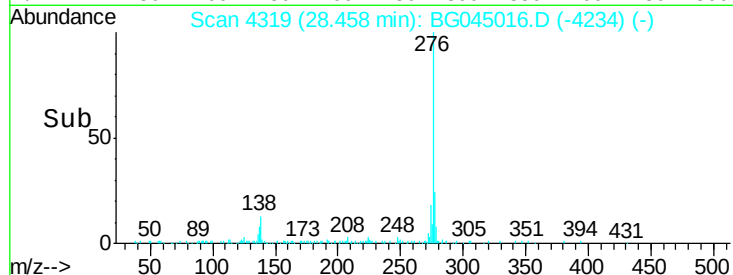
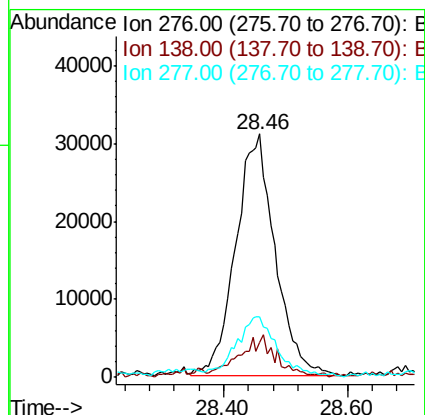
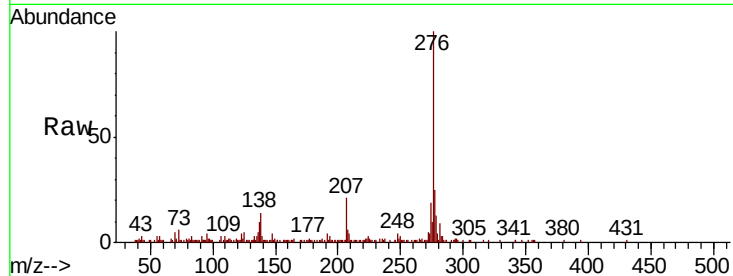




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.533 ng
RT: 28.46 min Scan# 4319
Delta R.T. -0.03 min
Lab File: BG045016.D
Acq: 16 Apr 2020 21:30

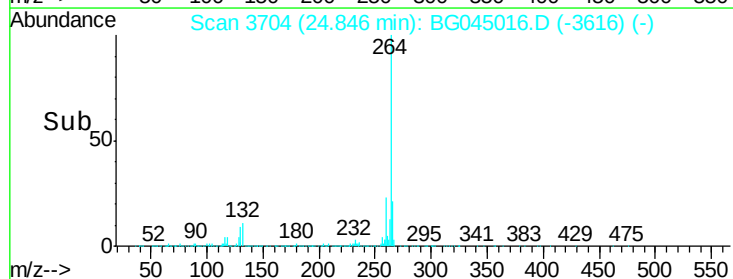
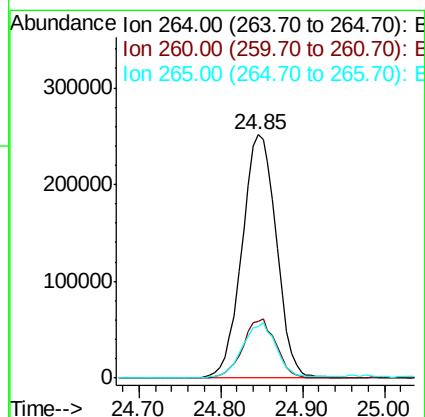
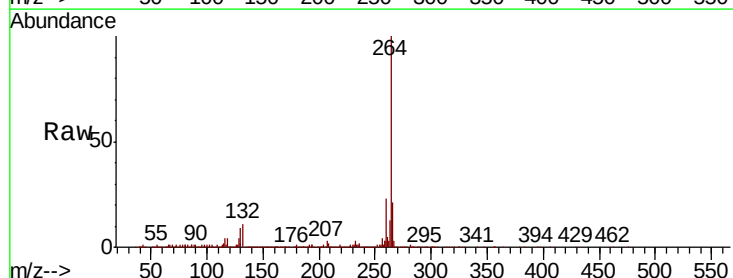
Instrument :
BNA_G
ClientSampleId :
TP-20

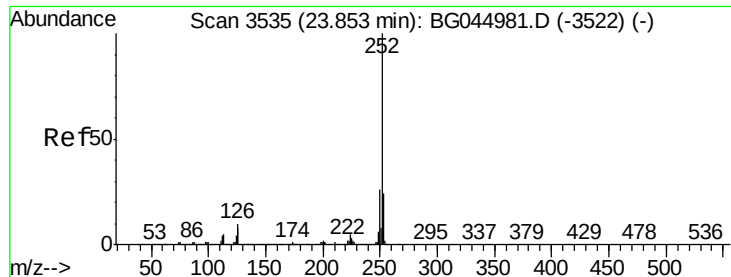
Tot Ion:276 Resp: 137079
Ion Ratio Lower Upper
276 100
138 6.4 9.6 14.4#
277 23.8 20.6 31.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045016.D
Acq: 16 Apr 2020 21:30

Tgt Ion:264 Resp: 732083
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.2 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 5.358 ng

RT: 23.84 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

Instrument :

BNA_G

ClientSampleId :

TP-20

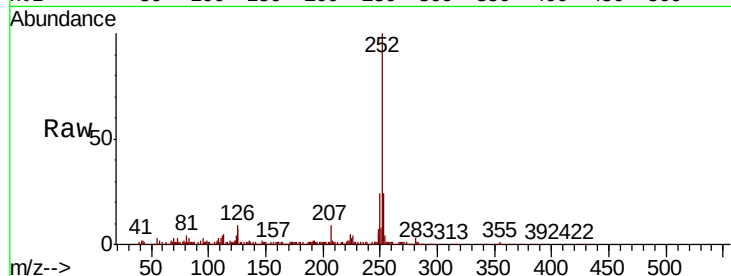
Tot Ion:252 Resp: 245703

Ion Ratio Lower Upper

252 100

253 24.4 18.8 28.2

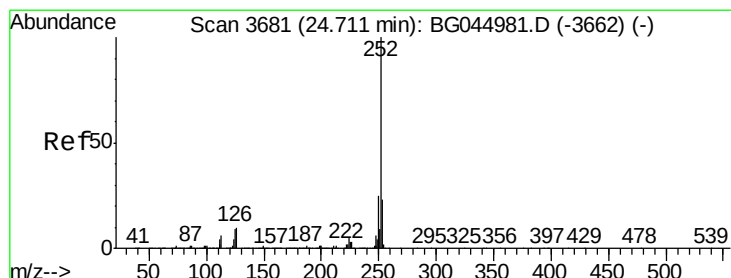
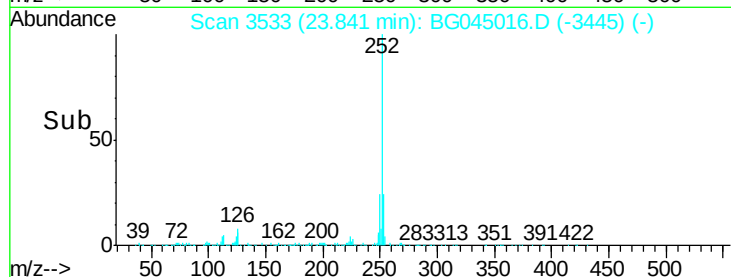
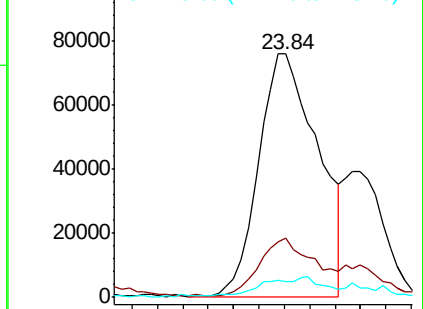
125 6.5 6.2 9.4



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: 4.303 ng

RT: 24.69 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG045016.D

Acq: 16 Apr 2020 21:30

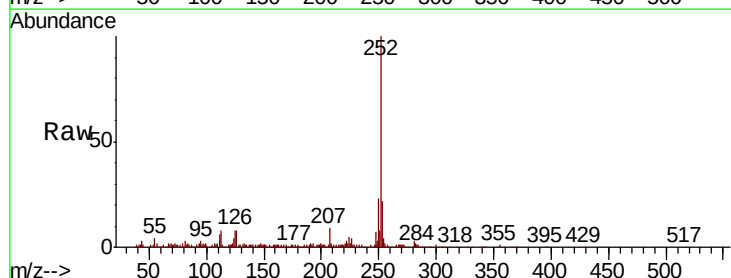
Tgt Ion:252 Resp: 186304

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

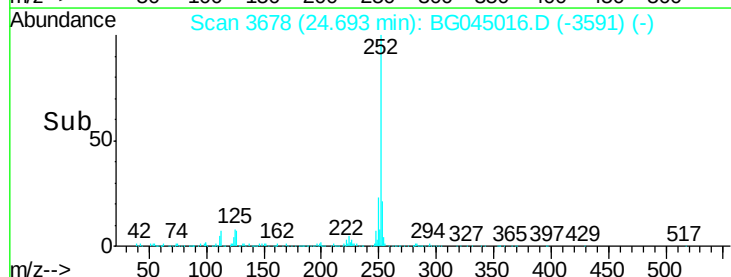
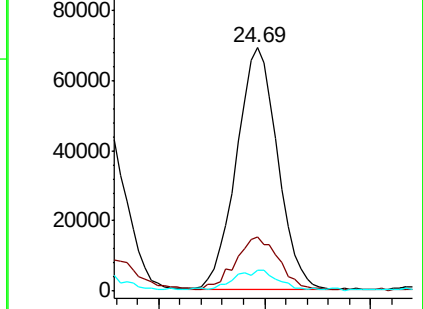
125 8.4 7.0 10.6

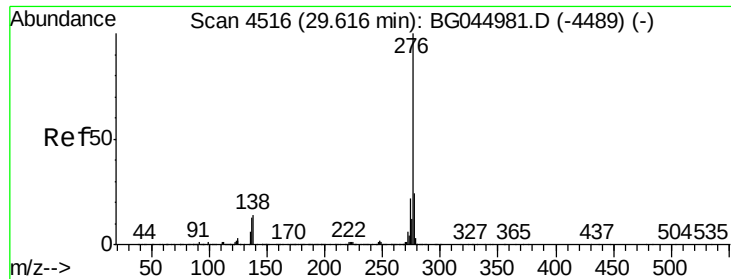


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 3.014 ng
 RT: 29.56 min Scan# 4507
 Delta R.T. -0.05 min
 Lab File: BG045016.D
 Acq: 16 Apr 2020 21:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.3	28.9
138	14.4	11.4	17.2

