

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052820\
 Data File : BG045498.D
 Acq On : 28 May 2020 15:32
 Operator : CG/JU
 Sample : L2771-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-B-INFIELD-2

Quant Time: May 28 16:16:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

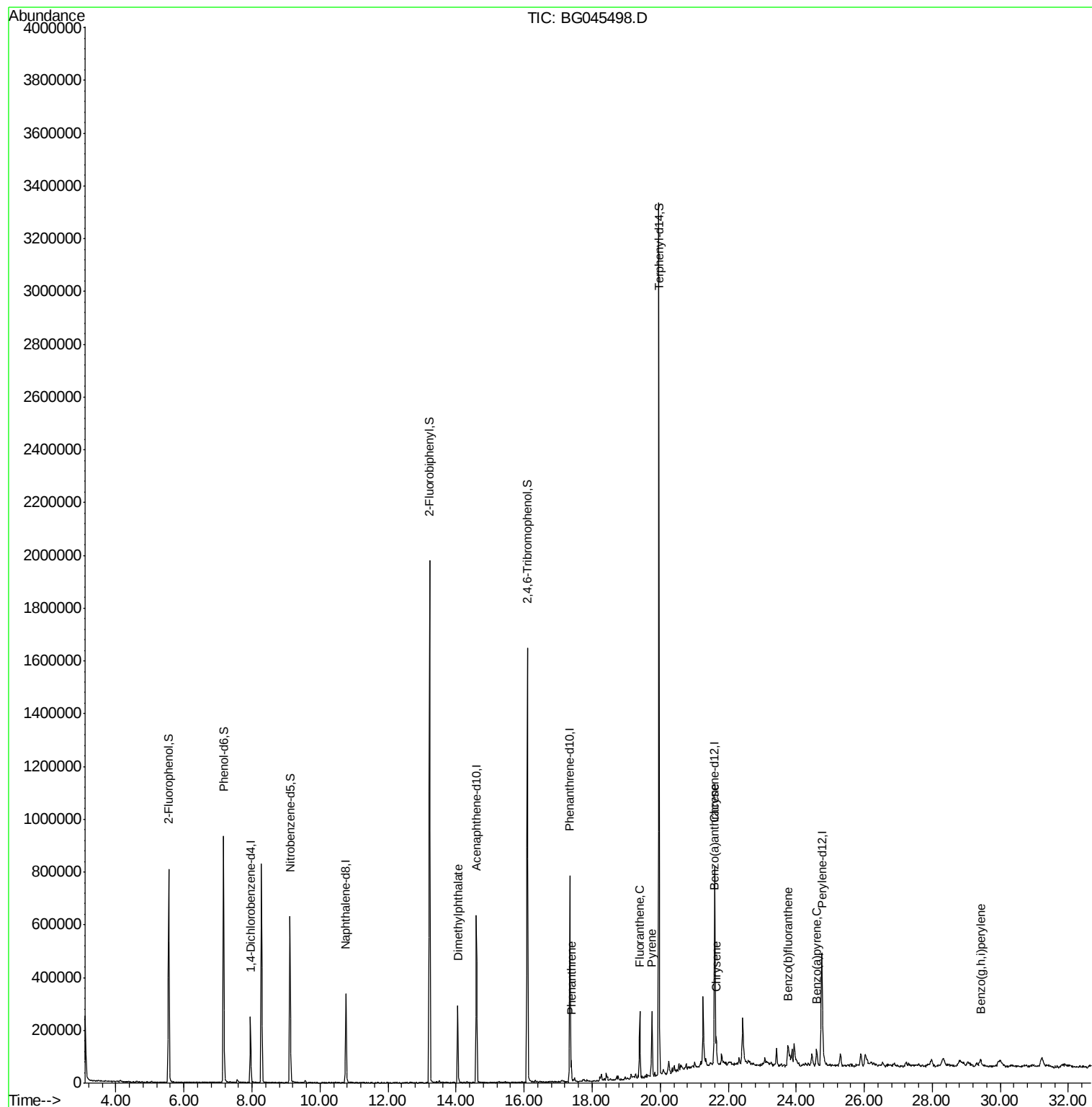
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	77092	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	314099	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	233117	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	528388	20.00	ng	0.00
76) Chrysene-d12	21.60	240	464486	20.00	ng	0.00
87) Perylene-d12	24.75	264	503513	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	401043	101.67	ng	0.00
7) Phenol-d6	7.16	99	621098	110.62	ng	0.00
23) Nitrobenzene-d5	9.12	82	442151	76.76	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	342497	114.88	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1062980	77.34	ng	0.00
79) Terphenyl-d14	19.96	244	1637448	82.22	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.05	163	200139	12.515	ng	99
71) Phenanthrene	17.39	178	51100	2.215	ng	97
75) Fluoranthene	19.40	202	165279	5.633	ng	98
78) Pyrene	19.76	202	162044	6.120	ng	99
81) Benzo(a)anthracene	21.59	228	73404	2.837	ng	98
83) Chrysene	21.65	228	74345	2.988	ng	94
88) Benzo(b)fluoranthene	23.77	252	97393	3.607	ng	# 97
90) Benzo(a)pyrene	24.60	252	77229	3.071	ng	98
92) Benzo(g,h,i)perylene	29.42	276	52969	2.096	ng	98

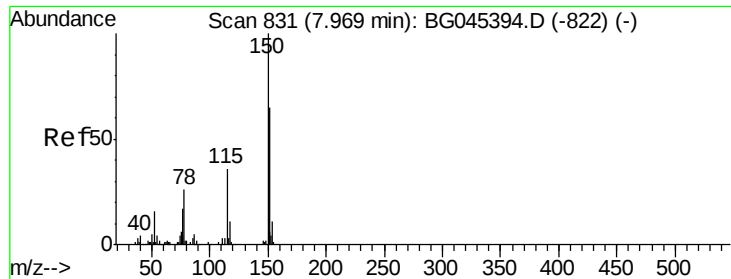
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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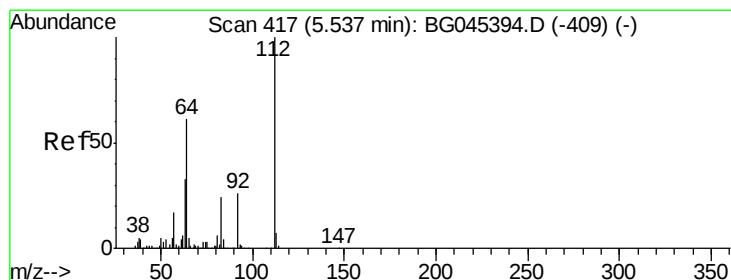
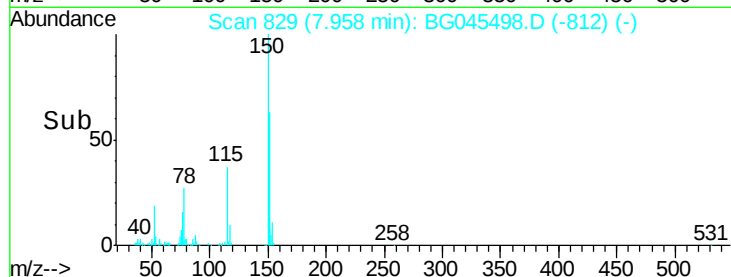
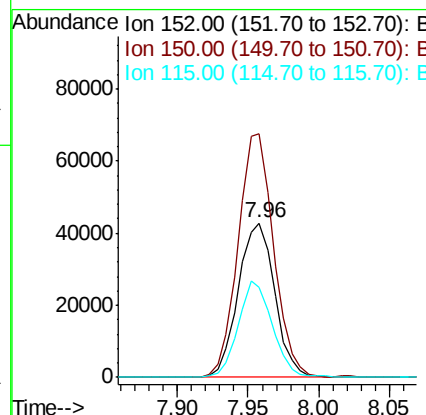
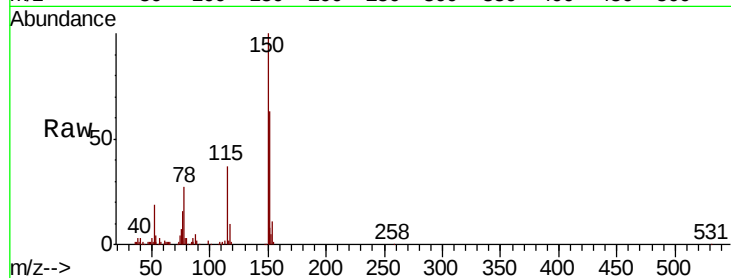


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

Instrument :
BNA_G
ClientSampleId :
RAMP-B-INFIELD-2

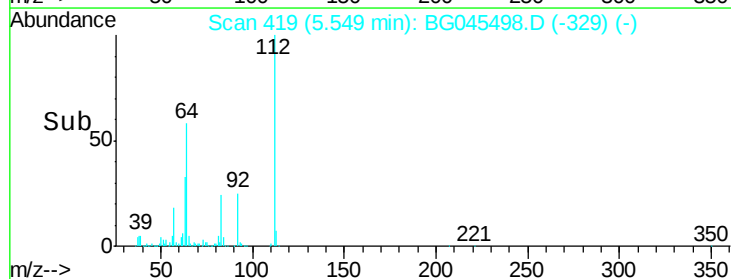
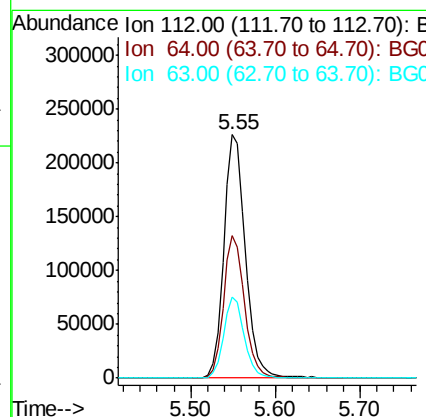
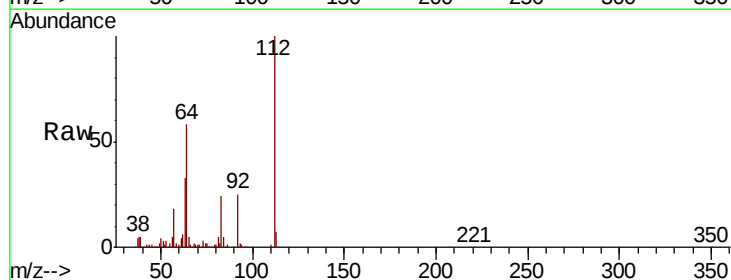
Tot Ion:152 Resp: 77092
Ion Ratio Lower Upper
152 100
150 157.9 122.4 183.6
115 58.7 44.2 66.4

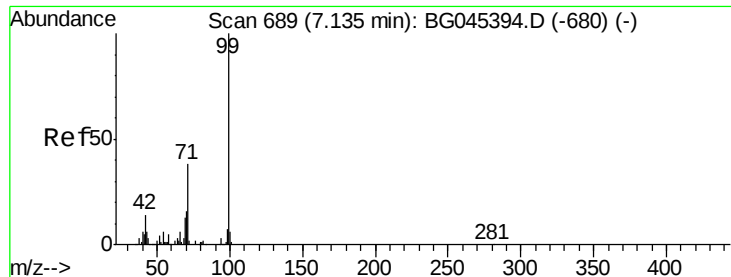


#5

2-Fluorophenol
Concen: 101.665 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

Tgt Ion:112 Resp: 401043
Ion Ratio Lower Upper
112 100
64 58.5 48.6 72.8
63 33.1 26.5 39.7





#7

Phenol-d6

Concen: 110.623 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

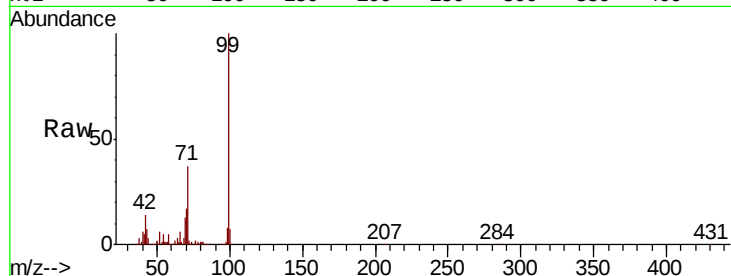
Tot Ion: 99 Resp: 621098

Ion Ratio Lower Upper

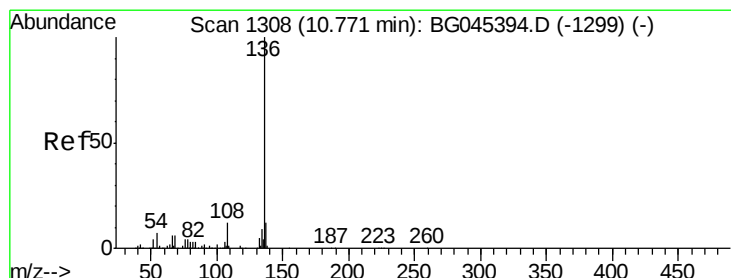
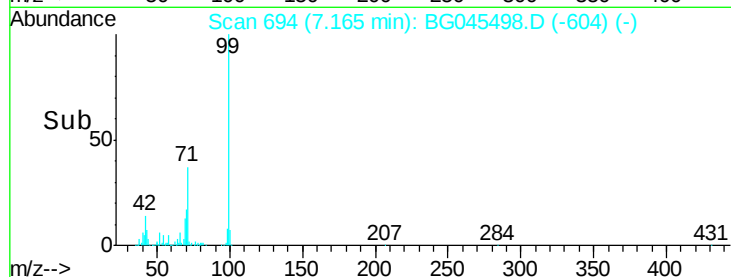
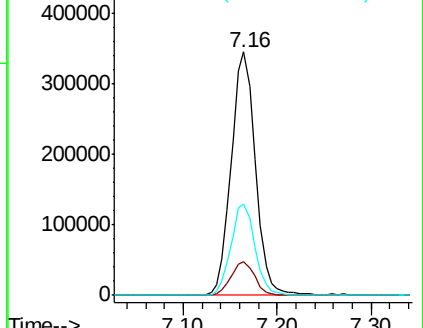
99 100

42 13.8 11.3 16.9

71 37.4 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: BG045498.D

Acq: 28 May 2020 15:32

Tgt Ion: 136 Resp: 314099

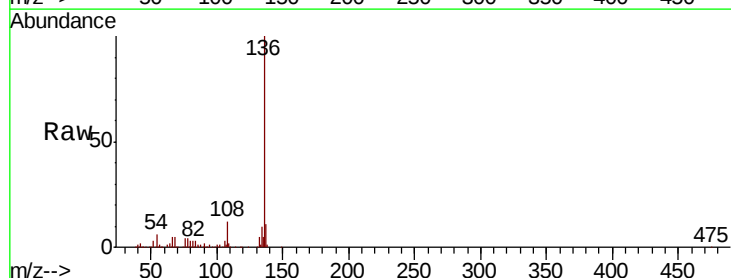
Ion Ratio Lower Upper

136 100

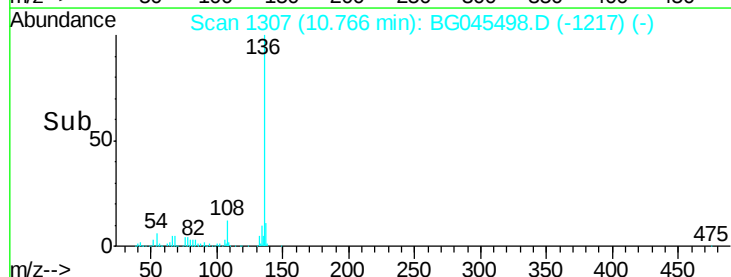
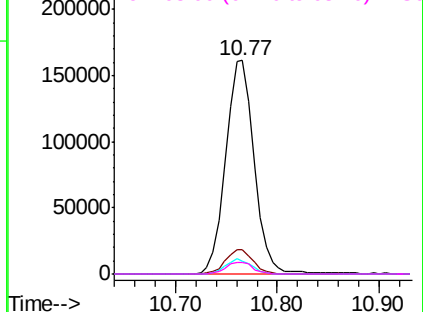
137 11.2 9.4 14.2

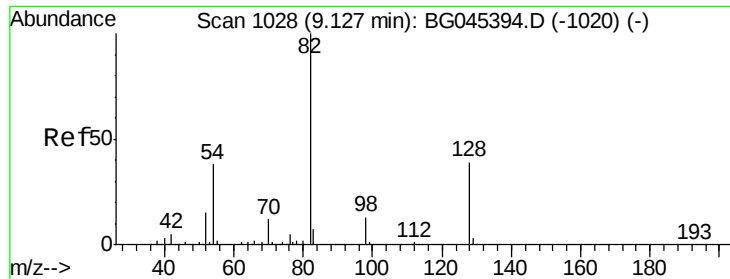
54 5.9 5.8 8.6

68 5.3 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

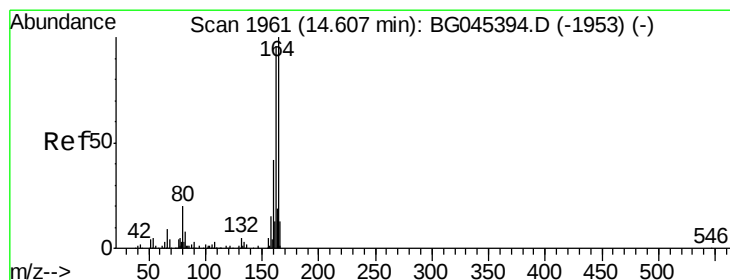
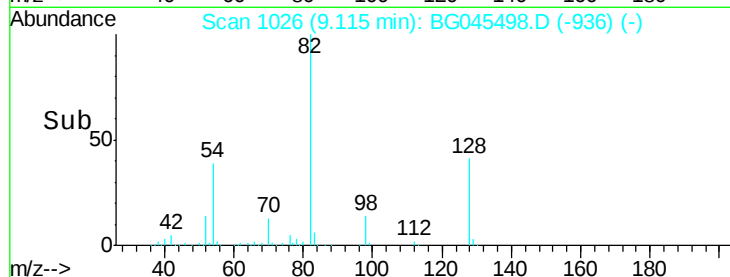
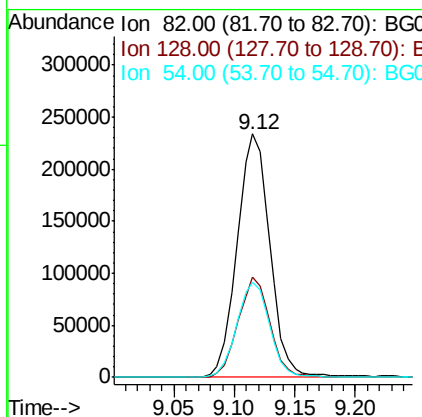
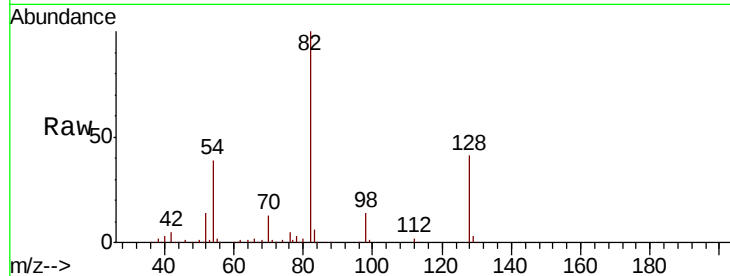




#23
Nitrobenzene-d5
Concen: 76.763 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

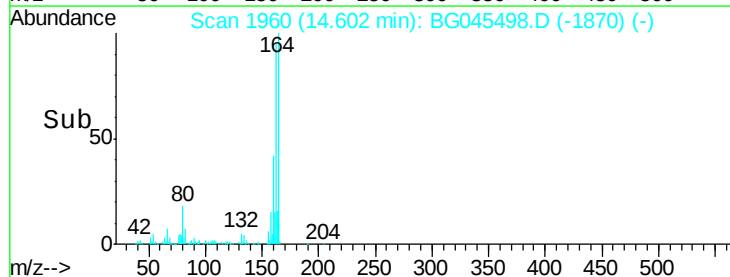
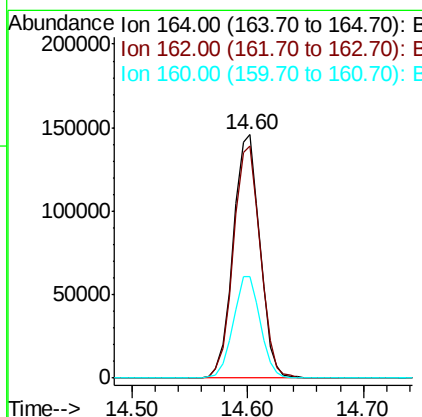
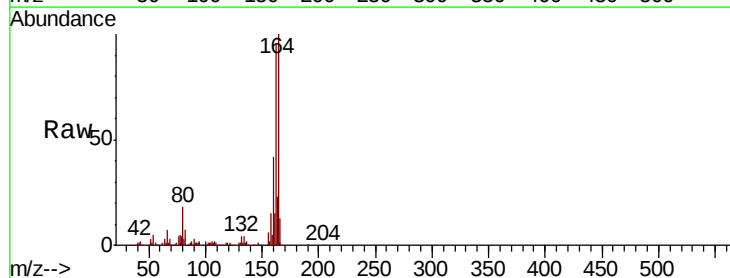
Instrument :
BNA_G
ClientSampleId :
RAMP-B-INFIELD-2

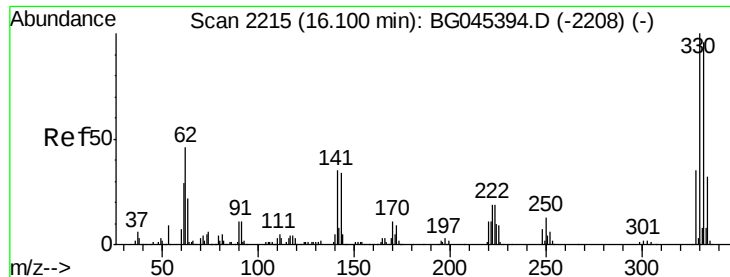
Tot Ion	82	Resp	442151
Ion Ratio	Lower	Upper	
82	100		
128	41.1	30.9	46.3
54	39.2	30.3	45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

Tgt Ion	164	Resp	233117
Ion Ratio	Lower	Upper	
164	100		
162	95.6	76.9	115.3
160	41.8	33.8	50.8

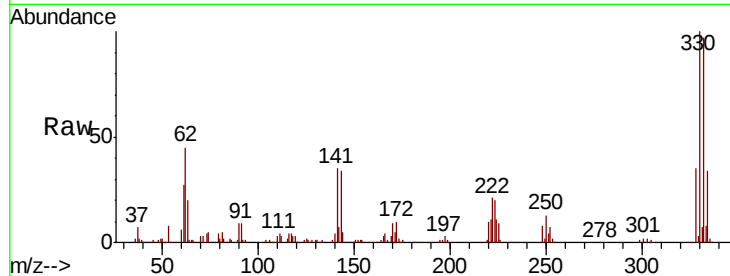




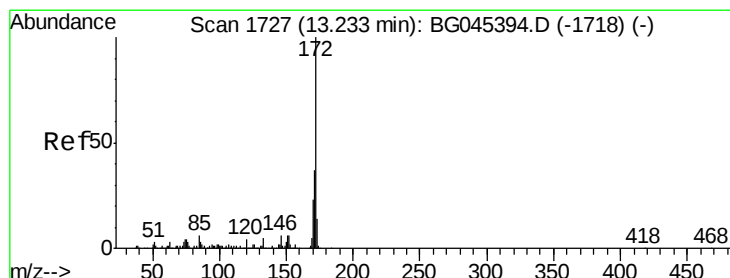
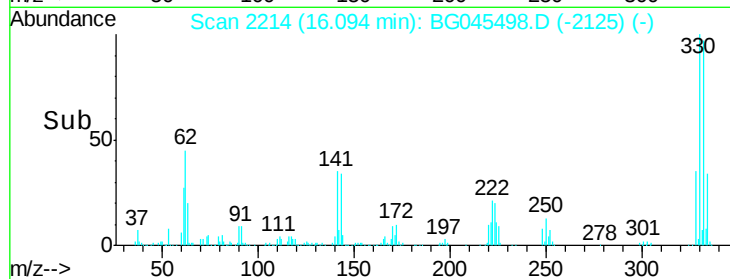
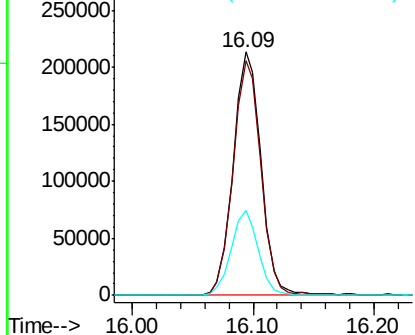
#42
 2,4,6-Tribromophenol
 Concen: 114.882 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BG045498.D
 Acq: 28 May 2020 15:32

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-B-INFIELD-2

Tot Ion:330 Resp: 342497
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.2 117.4
 141 34.1 28.2 42.4

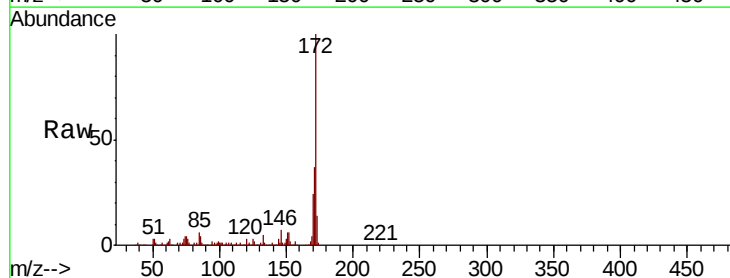


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

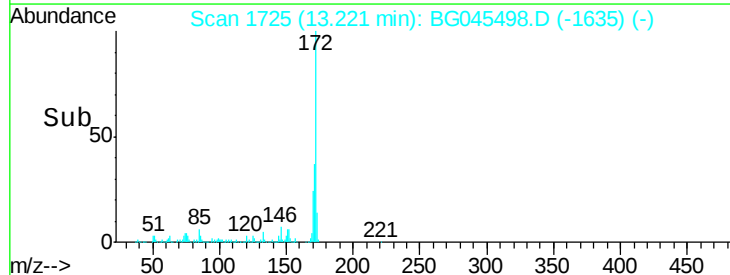
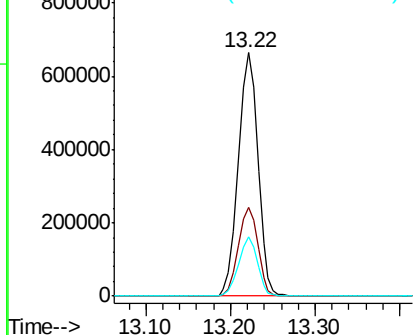


#45
 2-Fluorobiphenyl
 Concen: 77.345 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG045498.D
 Acq: 28 May 2020 15:32

Tgt Ion:172 Resp: 1062980
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.5 44.3
 170 24.4 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: 12.515 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

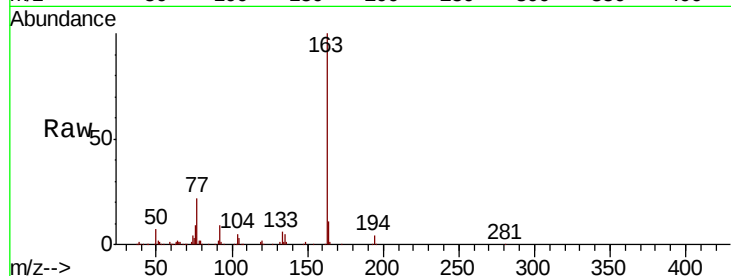
Tot Ion:163 Resp: 200139

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

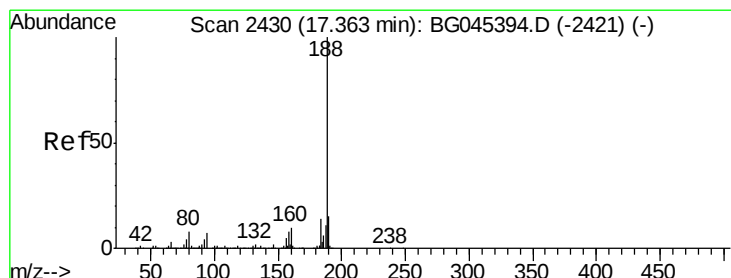
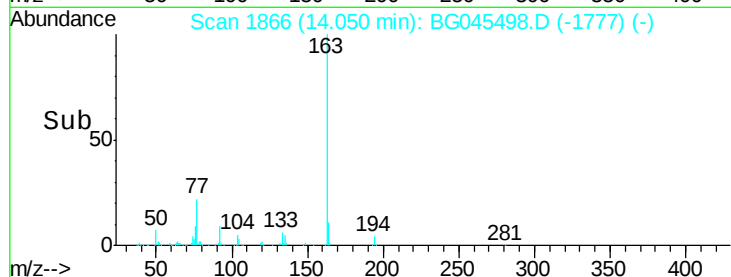
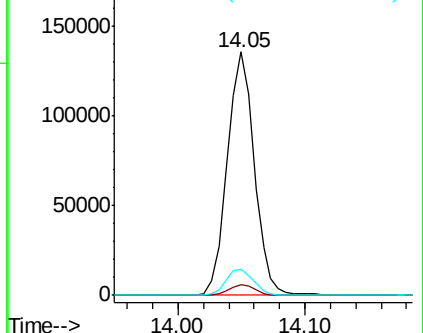
164 10.8 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

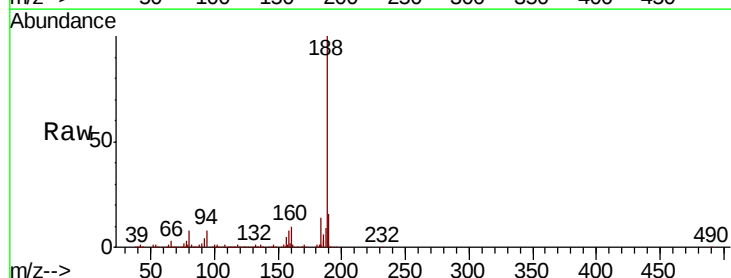
Tgt Ion:188 Resp: 528388

Ion Ratio Lower Upper

188 100

94 7.7 5.5 8.3

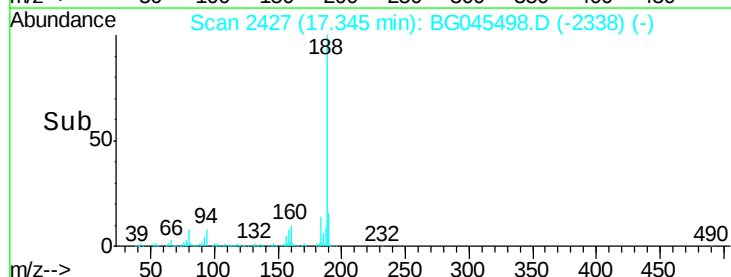
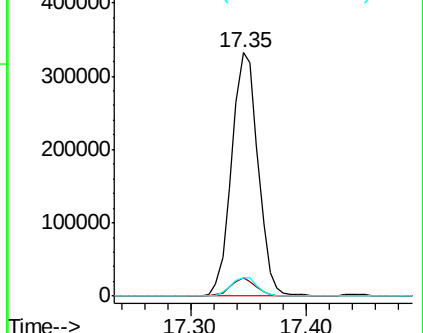
80 7.7 6.6 10.0

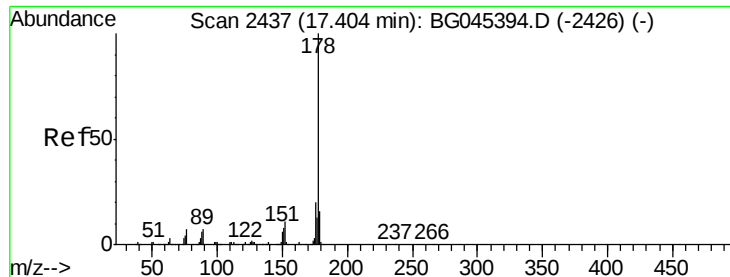


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 2.215 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

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ClientSampleId :

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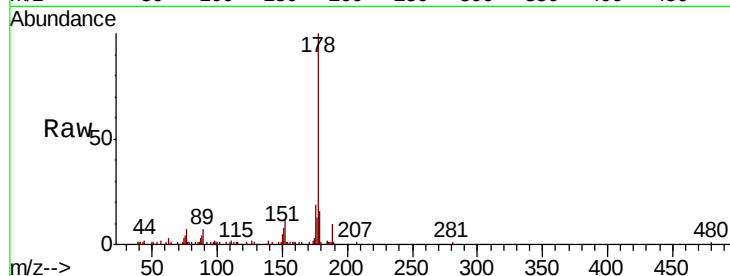
Tot Ion:178 Resp: 51100

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

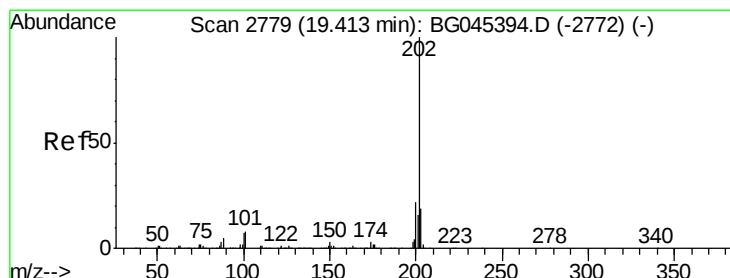
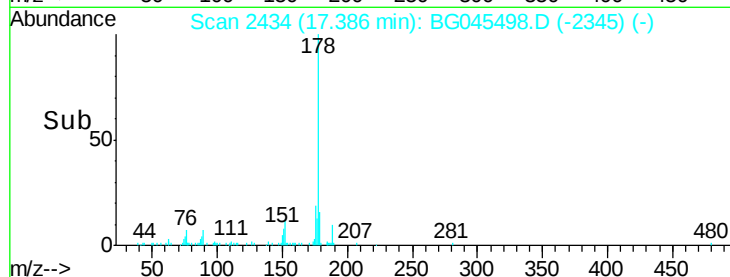
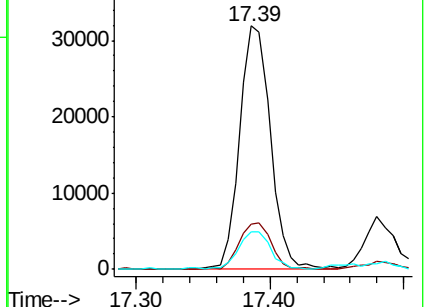
179 15.7 13.1 19.7



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: 5.633 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

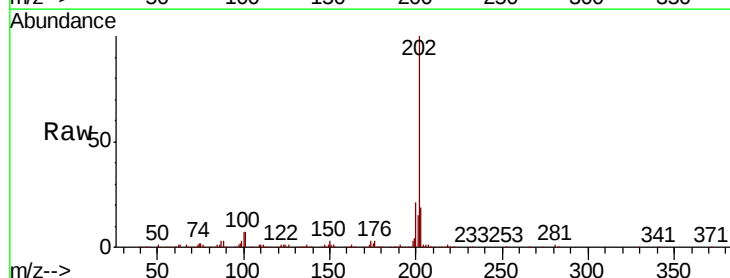
Tgt Ion:202 Resp: 165279

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.3

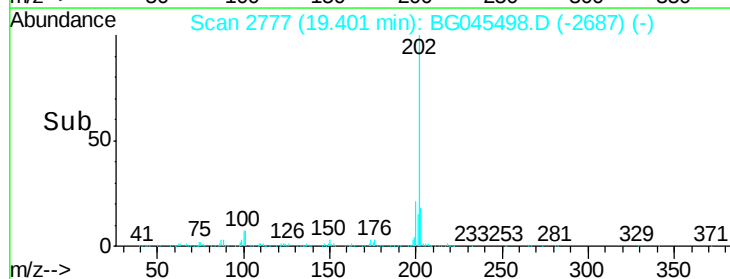
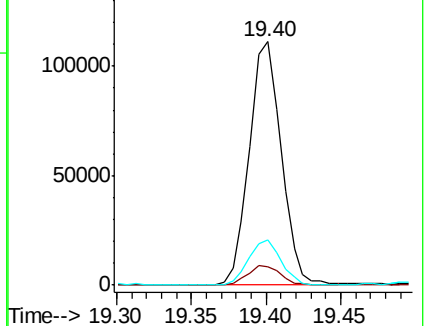
203 18.5 0.0 39.0

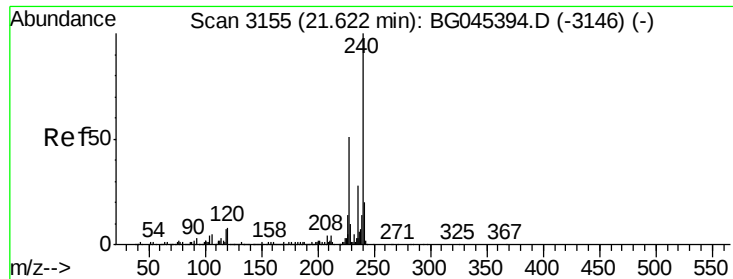


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

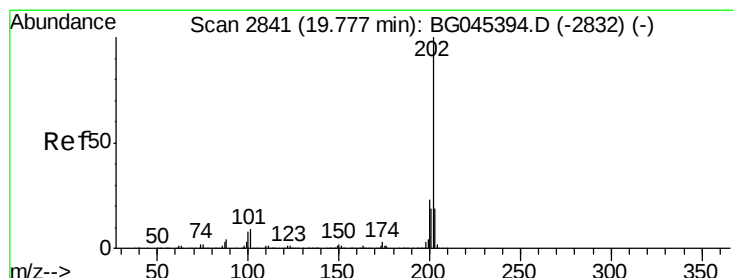
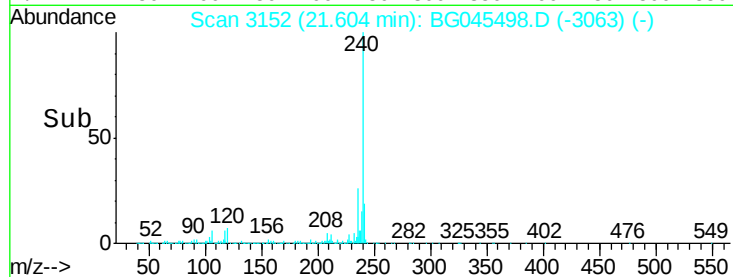
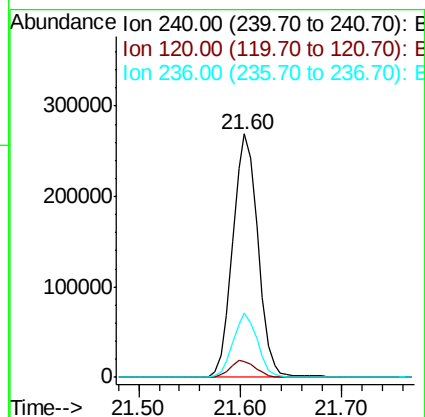
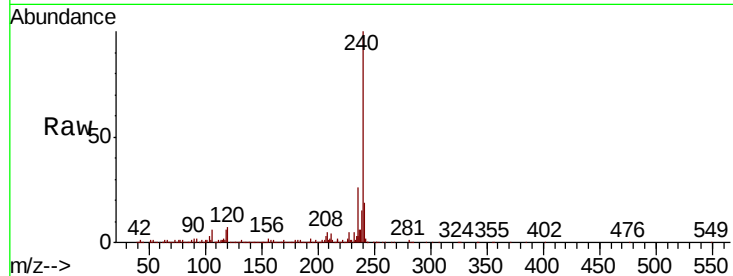




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

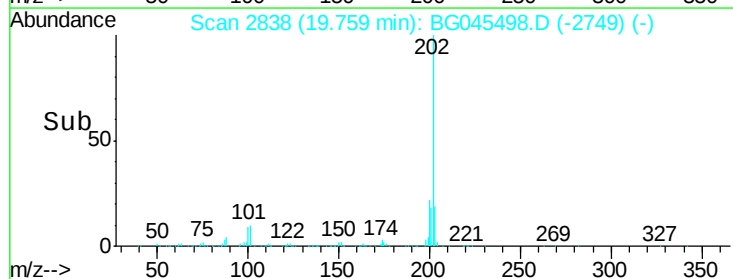
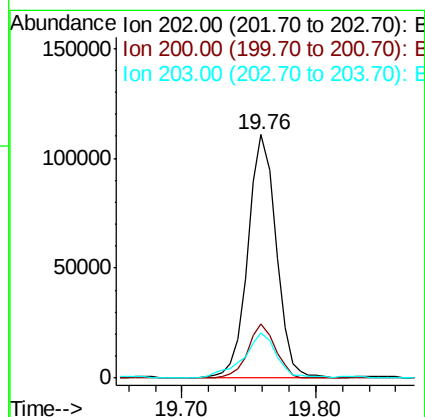
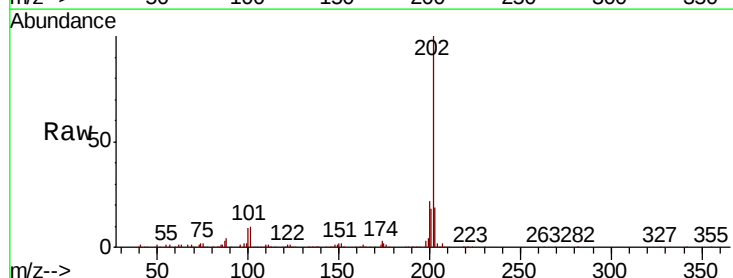
Instrument :
BNA_G
ClientSampleId :
RAMP-B-INFIELD-2

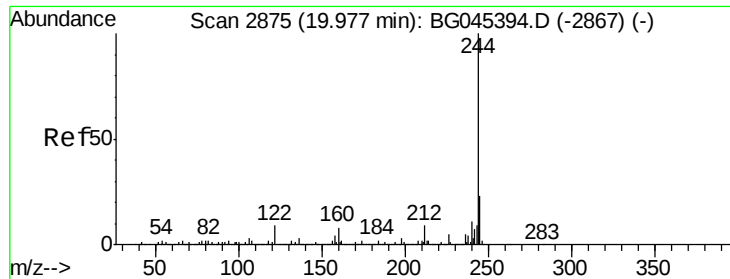
Tot Ion:240 Resp: 464486
Ion Ratio Lower Upper
240 100
120 6.6 6.1 9.1
236 26.4 22.3 33.5



#78
Pyrene
Concen: 6.120 ng
RT: 19.76 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

Tgt Ion:202 Resp: 162044
Ion Ratio Lower Upper
202 100
200 22.1 18.2 27.2
203 18.7 15.1 22.7





#79

Terphenyl-d14

Concen: 82.220 ng

RT: 19.96 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

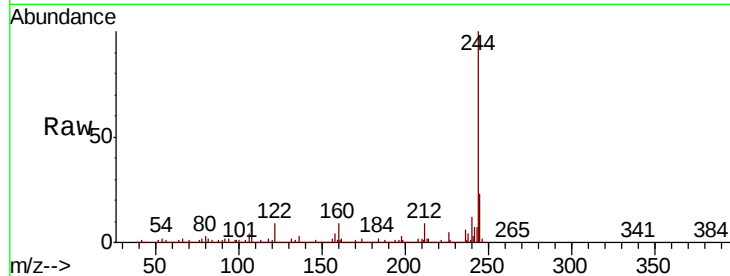
Tot Ion:244 Resp: 1637448

Ion Ratio Lower Upper

244 100

212 9.2 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

1500000

1000000

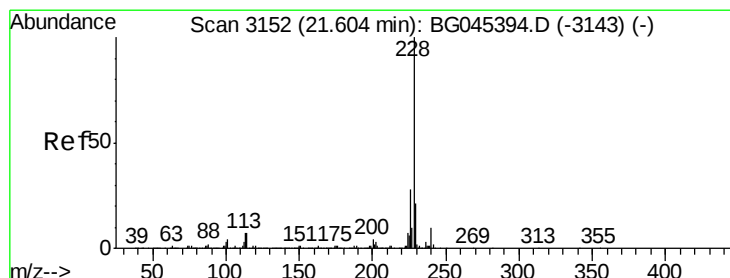
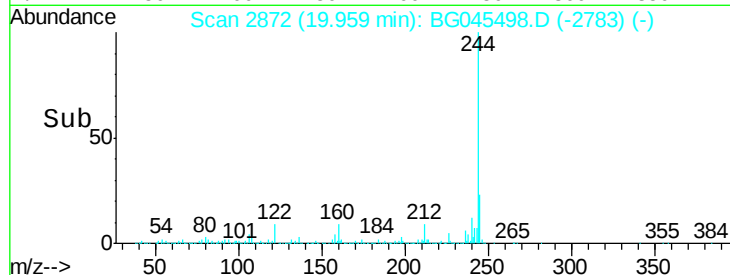
500000

0

19.96

19.90 20.00 20.10

Time-->



#81

Benzo(a)anthracene

Concen: 2.837 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

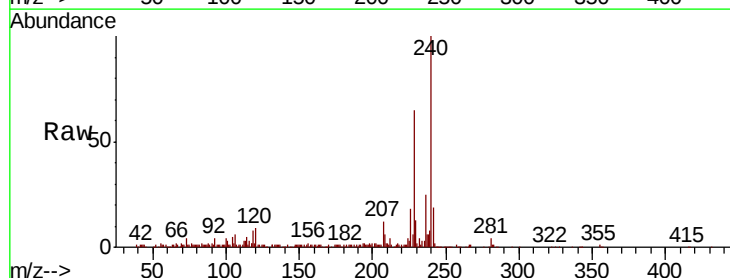
Tgt Ion:228 Resp: 73404

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

229 20.4 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

60000

50000

40000

30000

20000

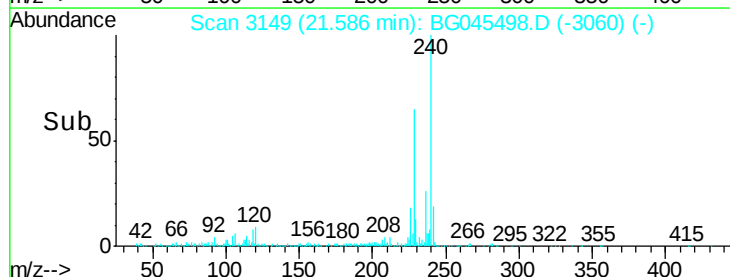
10000

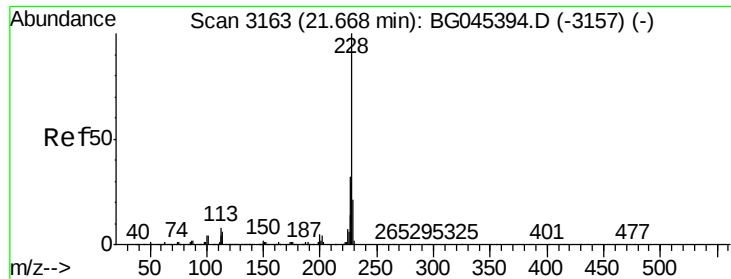
0

21.59

21.50 21.55 21.60

Time-->





#83

Chrysene

Concen: 2.988 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

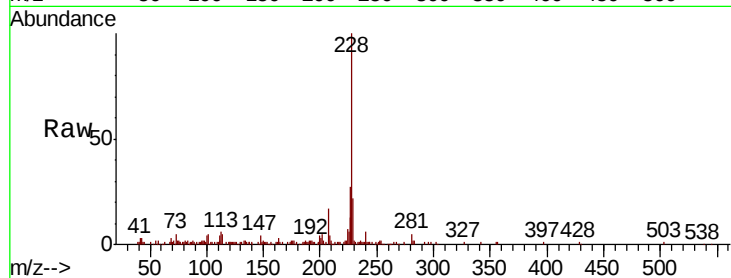
BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

Tot Ion:228 Resp: 74345

Ion	Ratio	Lower	Upper
228	100		
226	26.9	25.2	37.8
229	22.1	16.7	25.1

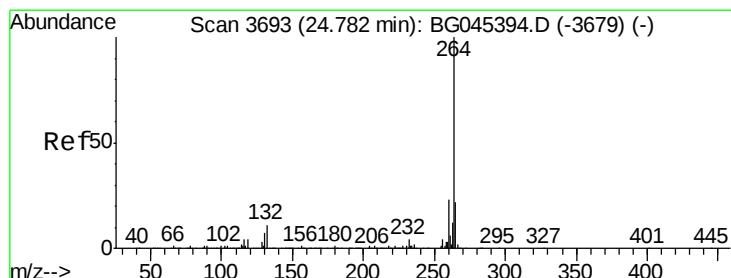
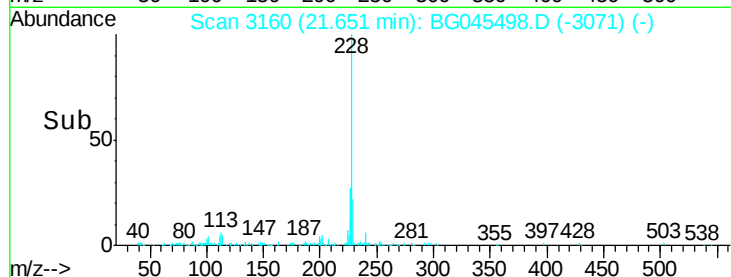
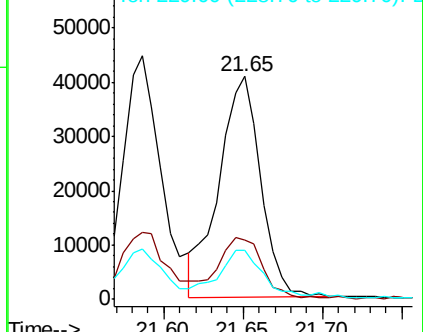


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

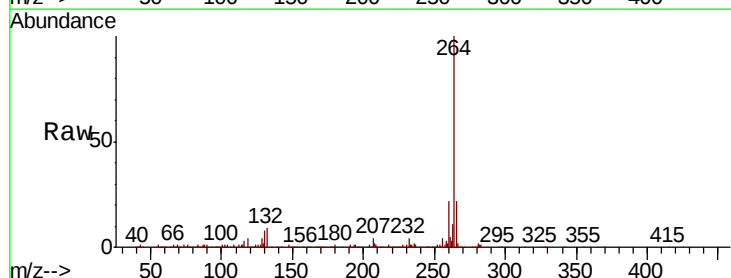
Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Tgt Ion:264 Resp: 503513

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.2	27.4
265	21.6	17.6	26.4

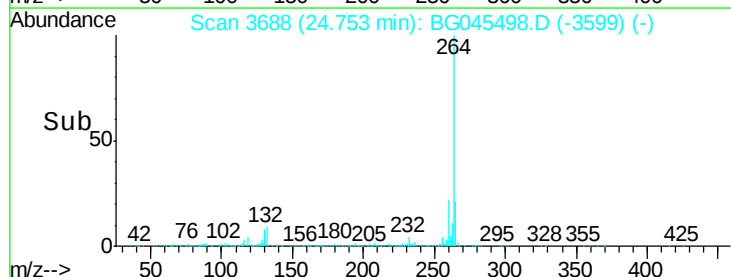
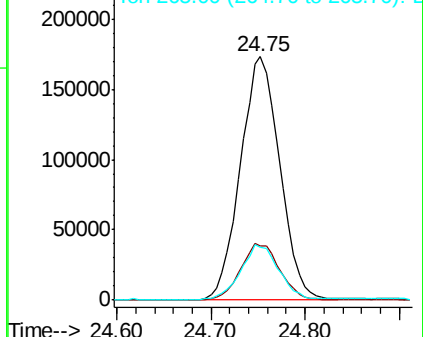


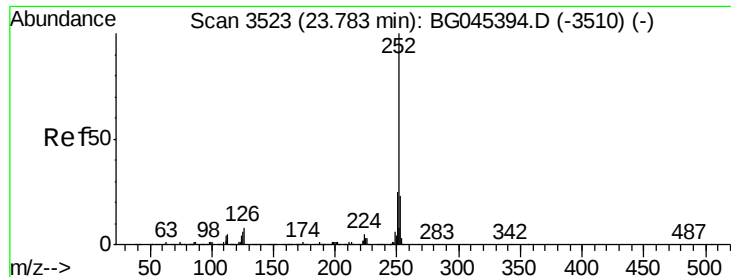
Abundance

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: 3.607 ng

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

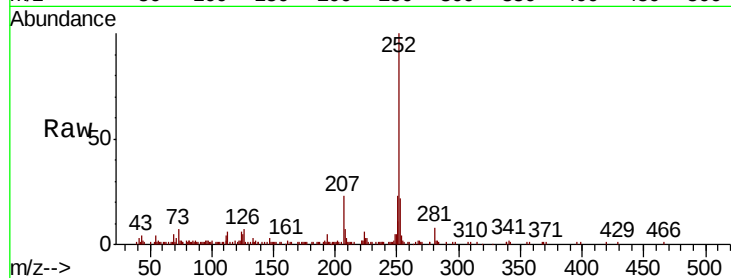
Tot Ion:252 Resp: 97393

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

125 4.9 5.0 7.6#

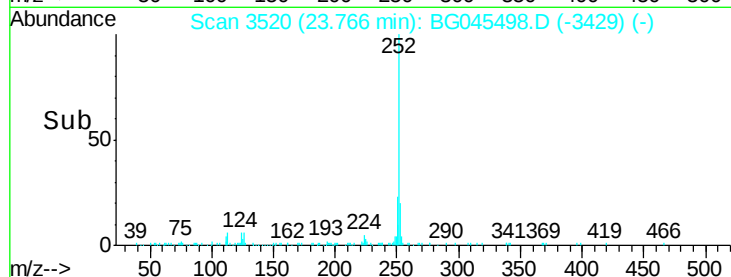


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

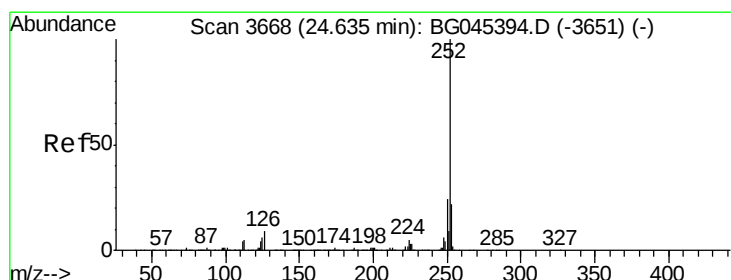
Time-->



23.77

23.80

Time-->



#90

Benzo(a)pyrene

Concen: 3.071 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

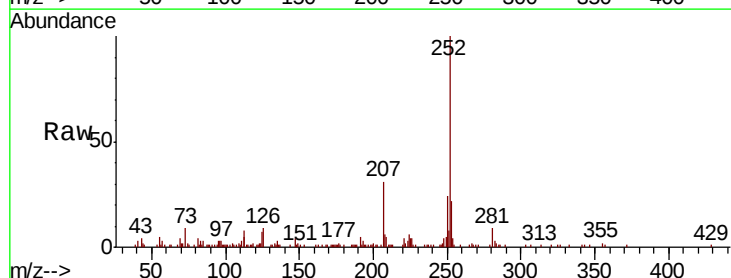
Tgt Ion:252 Resp: 77229

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 7.0 5.0 7.6

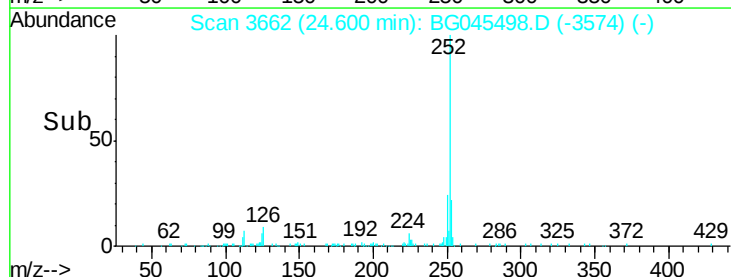


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

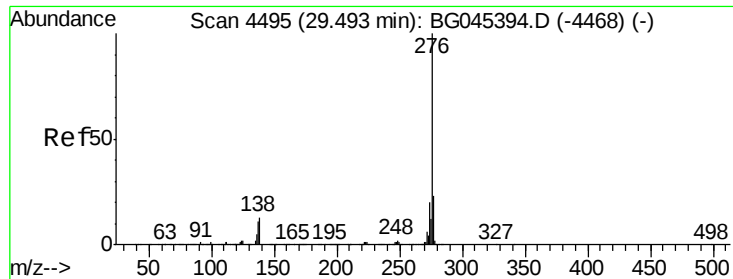
Time-->



24.60

24.70

Time-->



#92

Benzo(a,h,i)perylene

Concen: 2.096 ng

RT: 29.42 min Scan# 4483

Delta R.T. -0.02 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

Tot Ion: 276 Resp: 52969

Ion Ratio Lower Upper

276 100

277 21.9 18.1 27.1

138 13.5 10.2 15.4

