

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-INFELD-2

Quant Time: May 28 16:14:32 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

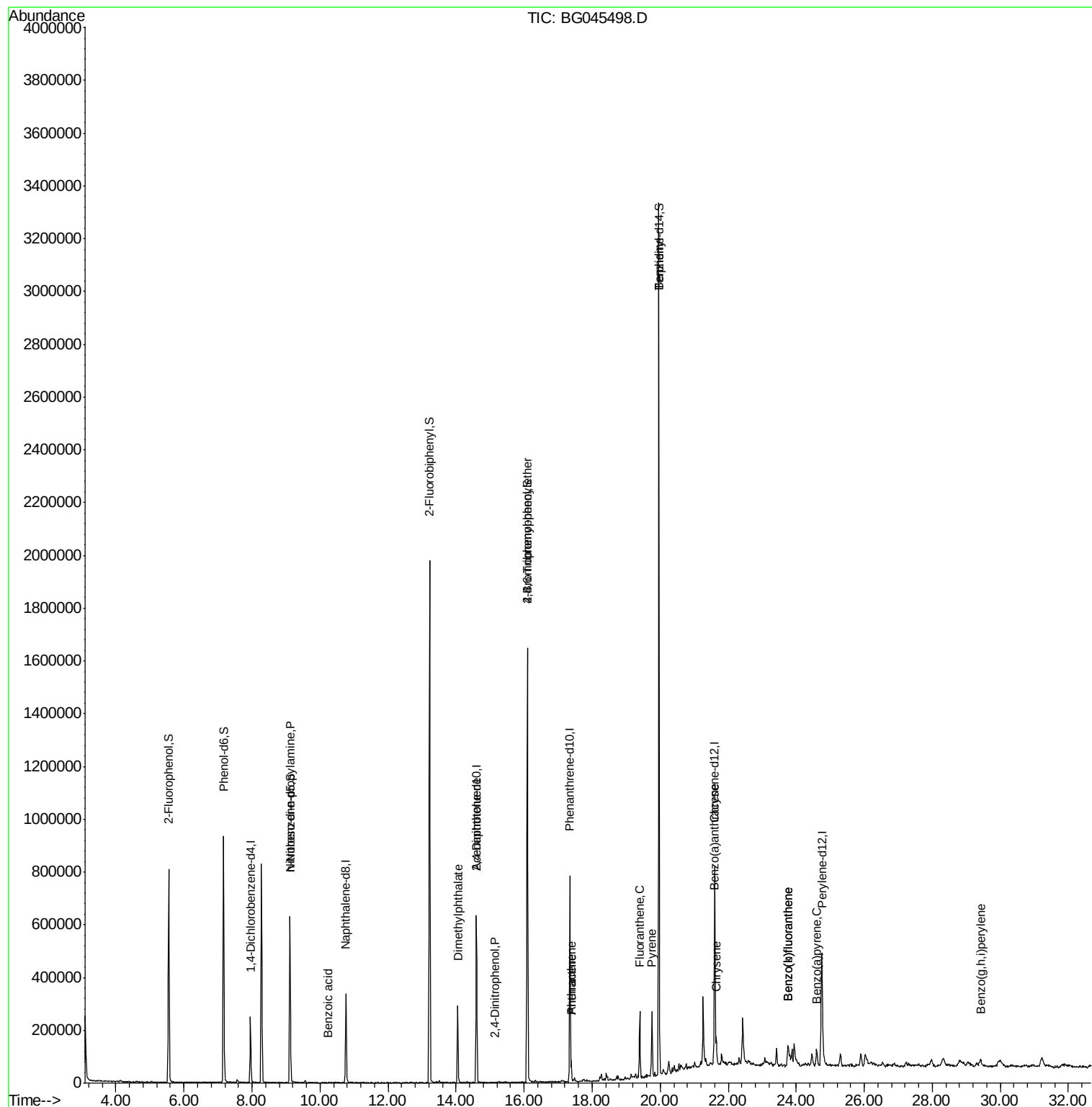
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	60049	15.466	ng	# 76
32) Benzoic acid	10.25	122	60	10.040	ng	# 1
50) Dimethylphthalate	14.05	163	200139	12.515	ng	99
54) 2,4-Dinitrophenol	15.15	184	91	5.495	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	31217	5.973	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	23841	4.167	ng	# 1
71) Phenanthrene	17.39	178	51100	2.215	ng	97
72) Anthracene	17.39	178	51100	2.206	ng	98
75) Fluoranthene	19.40	202	165279	5.633	ng	98
77) Benzidine	19.96	184	30185	2.314	ng	# 84
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
89) Benzo(k)fluoranthene	23.77	252	97393	3.839	ng	# 96
90) Benzo(a)pyrene	24.60	252	77229	3.071	ng	98
92) Benzo(a,h,i)perylene	29.42	276	52969	2.096	ng	98

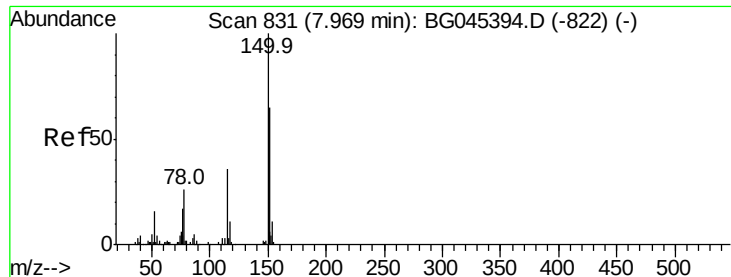
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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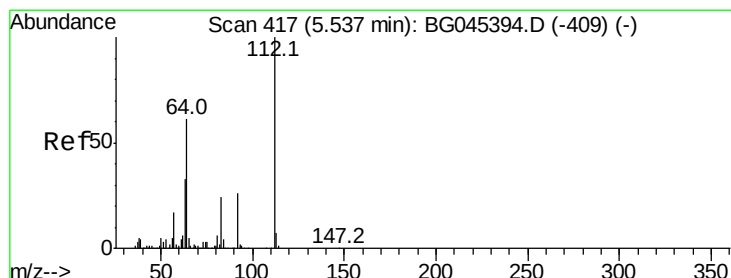
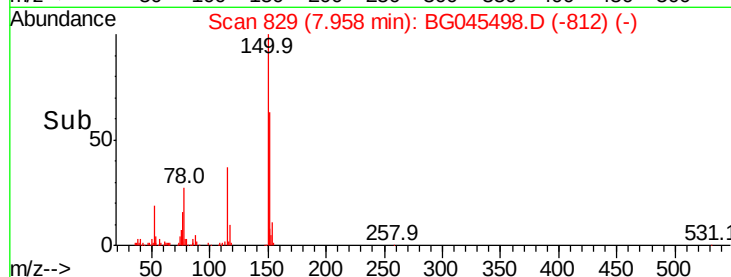
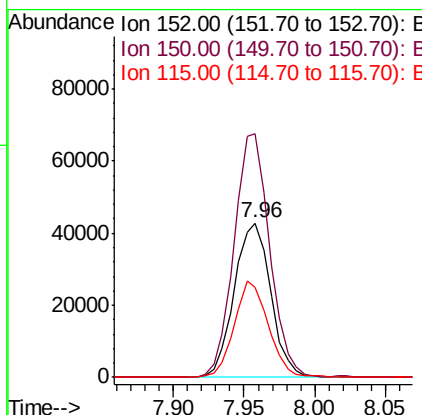
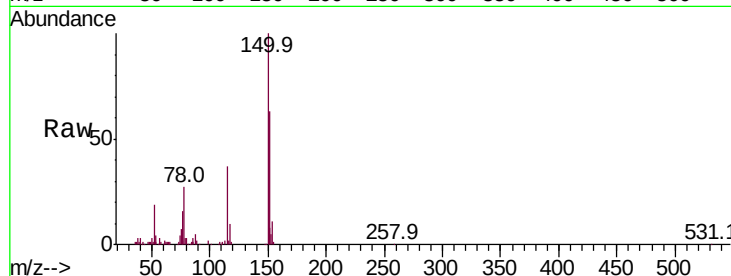


#1

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

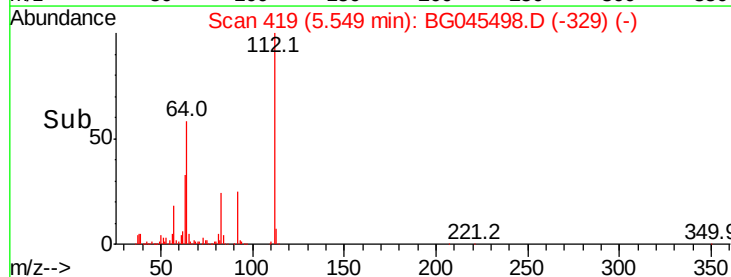
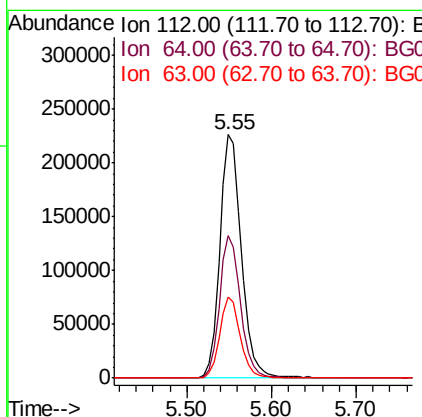
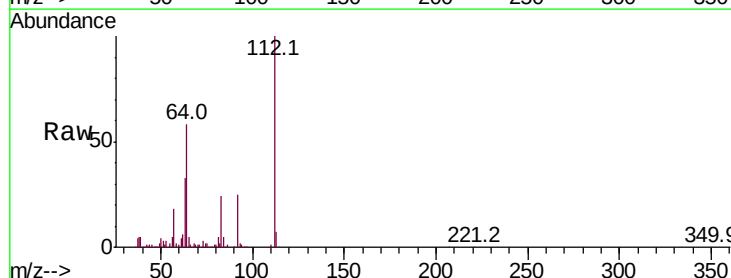
Tot Ion:152 Resp: 77092
Ion Ratio Lower Upper
152 100
150 157.9 122.4 183.6
115 58.7 44.2 66.4

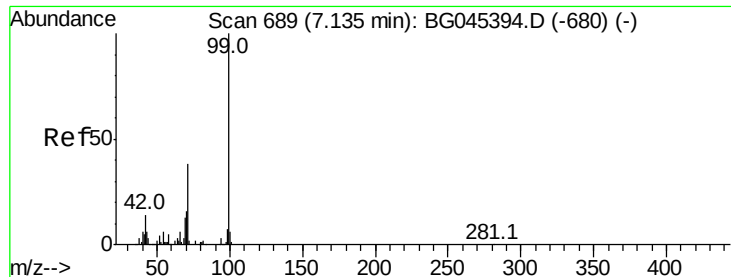


#5

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

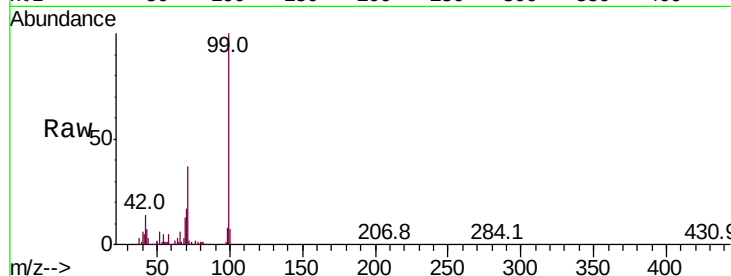
Tot Ion: 99 Resp: 621098

Ion Ratio Lower Upper

99 100

42 13.8 11.3 16.9

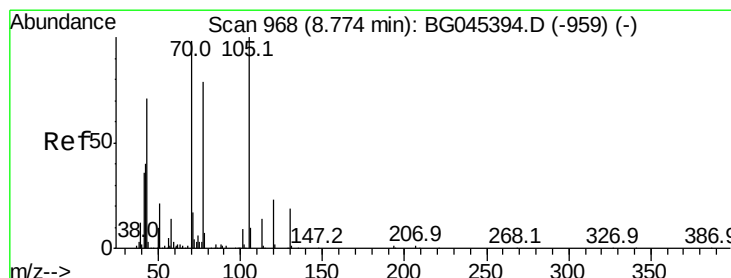
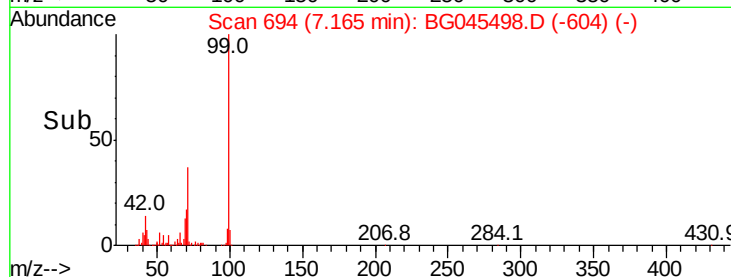
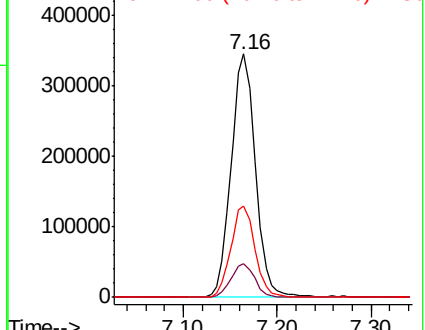
71 37.4 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.466 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Tgt Ion: 70 Resp: 60049

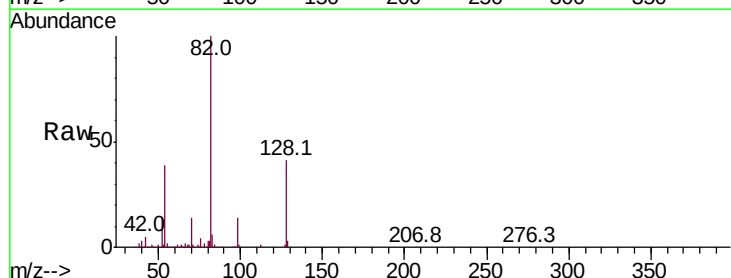
Ion Ratio Lower Upper

70 100

42 31.3 33.2 49.8#

101 0.0 7.8 11.6#

130 1.3 15.4 23.2#

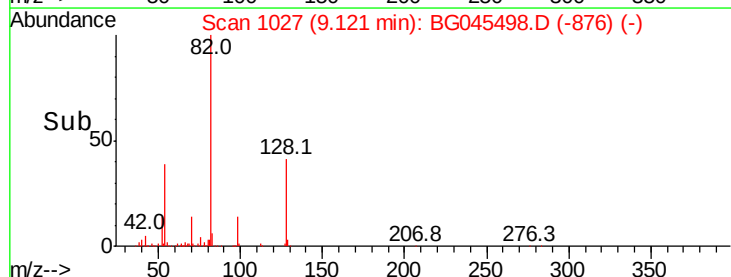
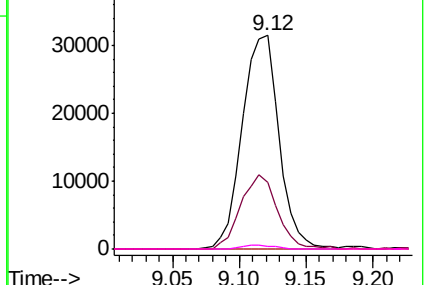


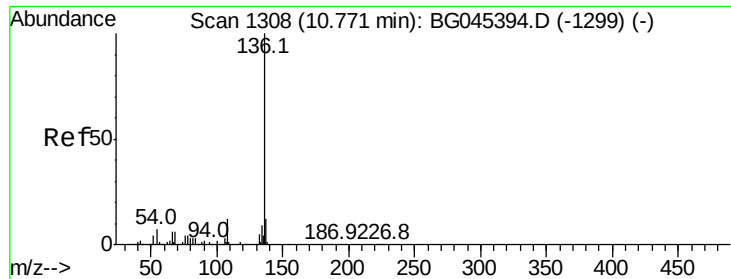
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

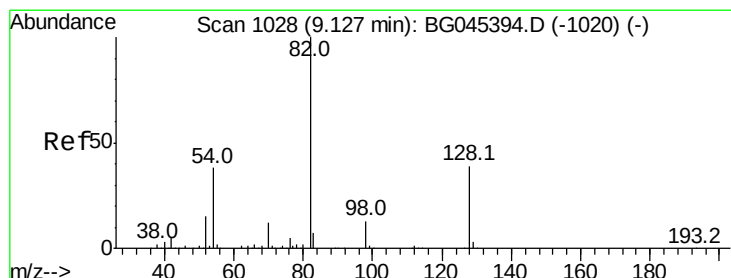
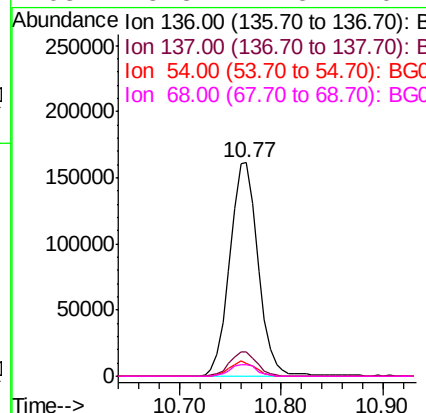
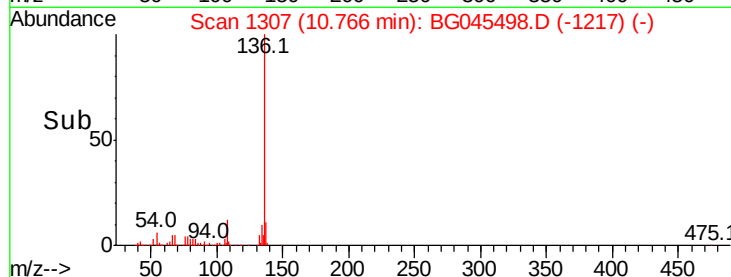
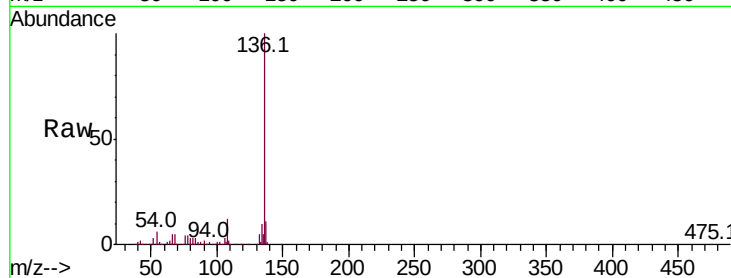




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

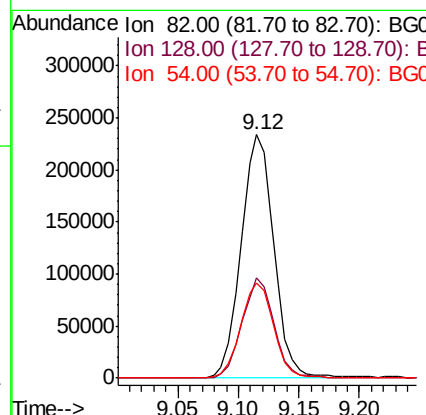
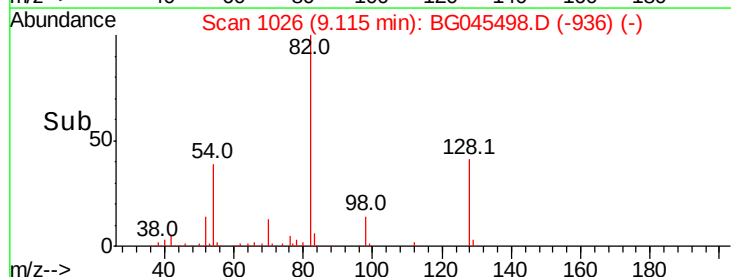
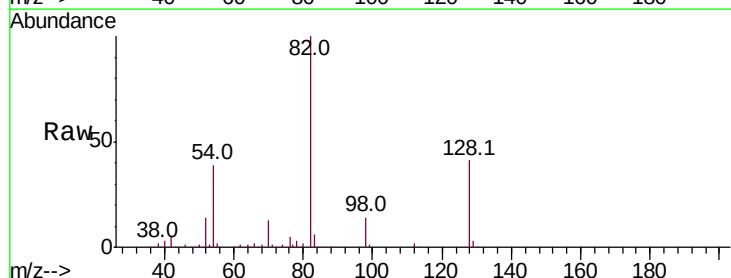
Instrument :
BNA_G
ClientSampleId :
RAMP-B-INFIELD-2

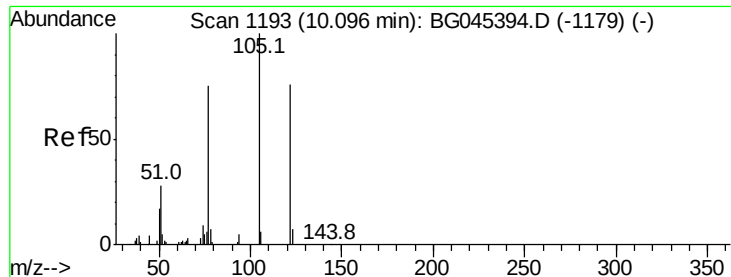
Tot Ion:136	Resp:	314099	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.4	14.2	
54 5.9	5.8	8.6	
68 5.3	4.5	6.7	



#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

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





#32

Benzoic acid

Concen: 10.040 ng

RT: 10.25 min Scan# 1219

Delta R.T. 0.11 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

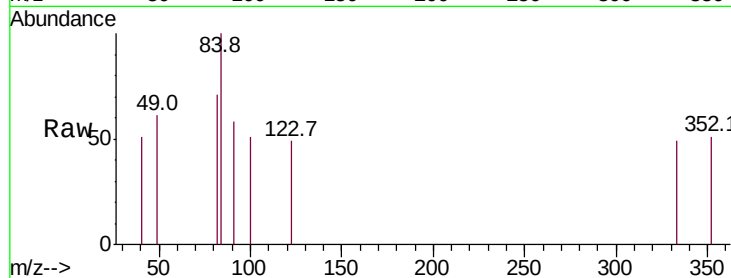
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

77 0.0 78.9 118.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

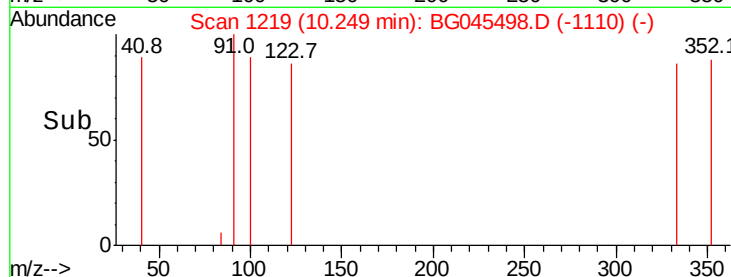
200

150

100

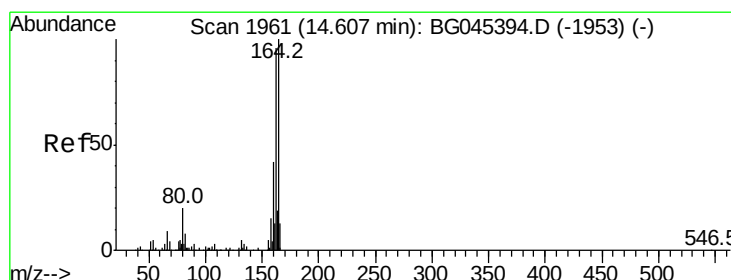
50

0



Time-->

10.24 10.25 10.26



#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

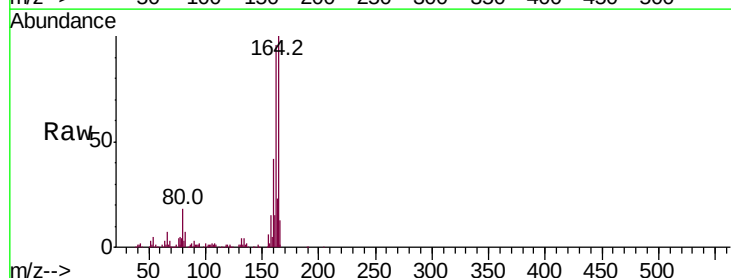
Tgt Ion:164 Resp: 233117

Ion Ratio Lower Upper

164 100

162 95.6 76.9 115.3

160 41.8 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

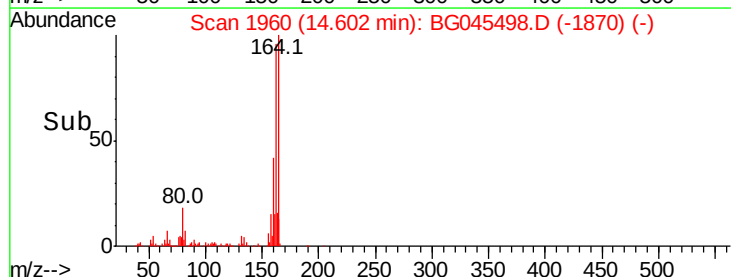
200000

150000

100000

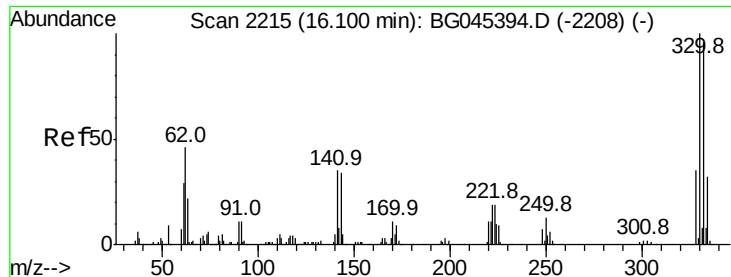
50000

0



Time-->

14.50 14.60 14.70



#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

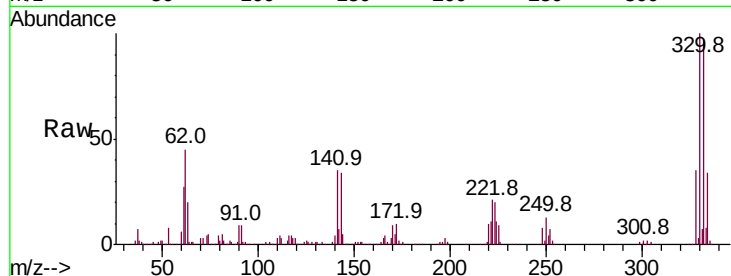
Tot Ion:330 Resp: 342497

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.4

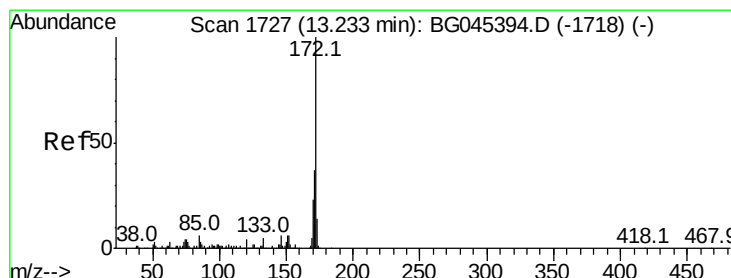
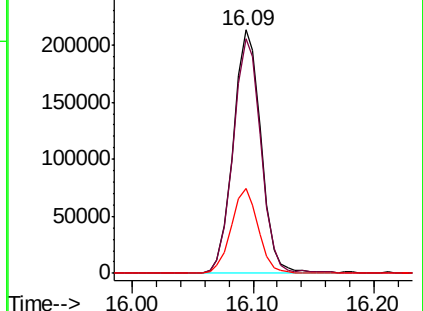
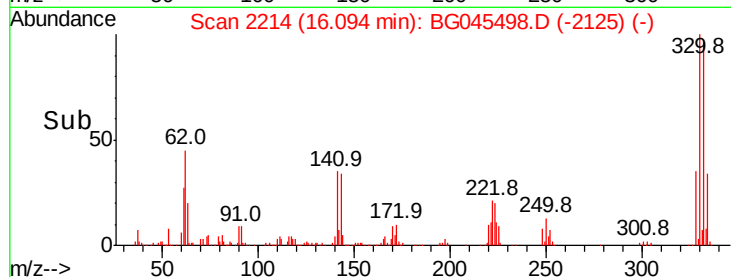
141 34.1 28.2 42.4



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

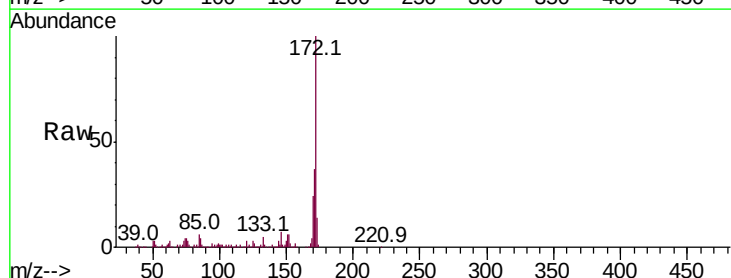
Tgt Ion:172 Resp: 1062980

Ion Ratio Lower Upper

172 100

171 36.5 29.5 44.3

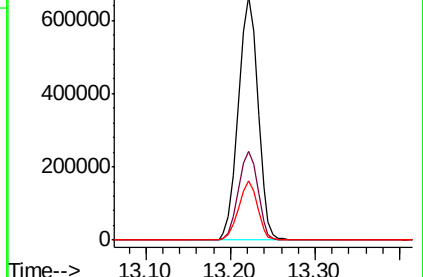
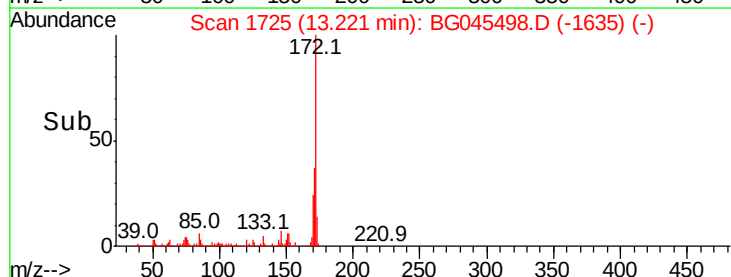
170 24.4 18.5 27.7

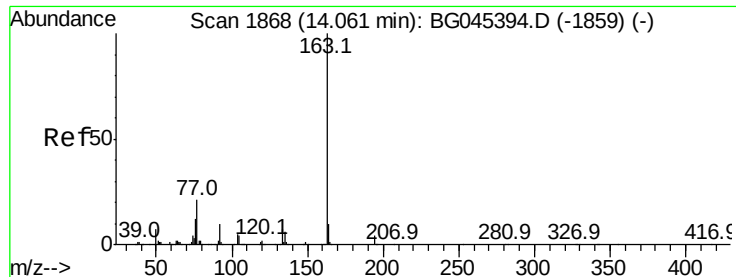


Abundance Ion 172.00 (171.70 to 172.70): E

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

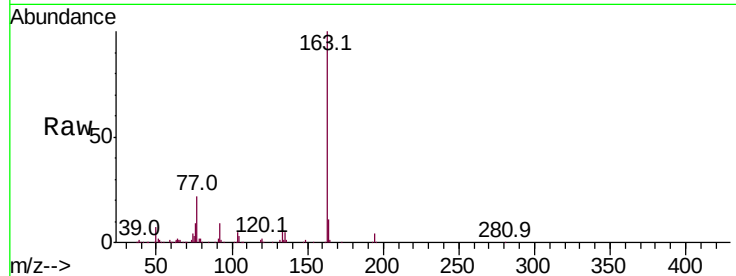
Tot Ion:163 Resp: 200139

Ion Ratio Lower Upper

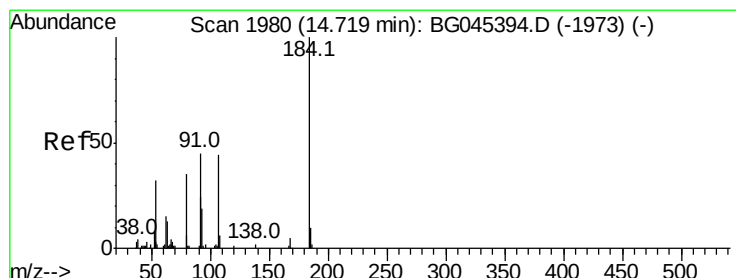
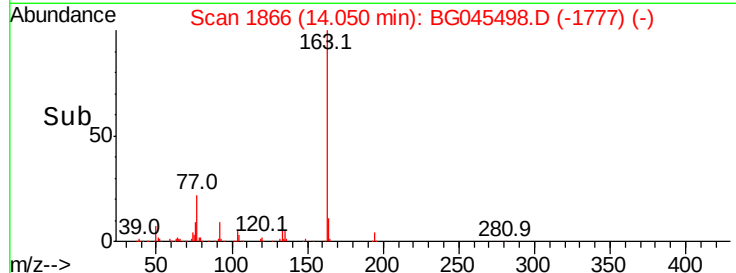
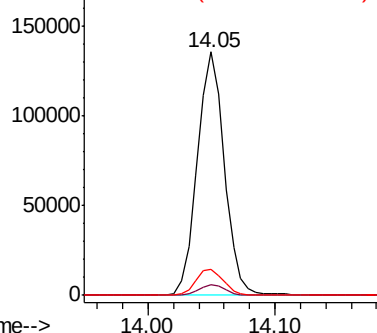
163 100

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



#54

2,4-Dinitrophenol

Concen: 5.495 ng

RT: 15.15 min Scan# 2053

Delta R.T. 0.43 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

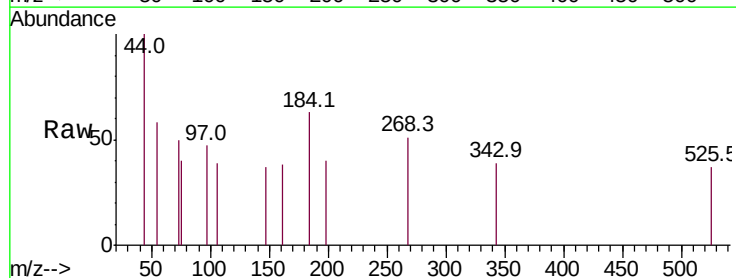
Tgt Ion:184 Resp: 91

Ion Ratio Lower Upper

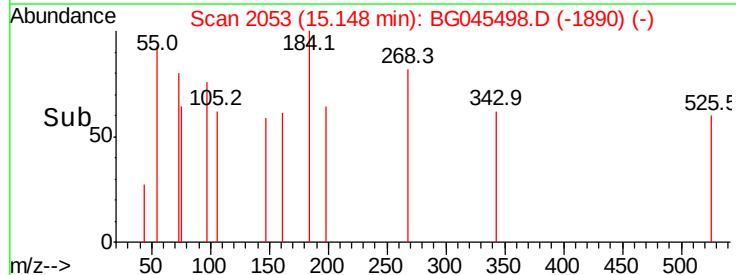
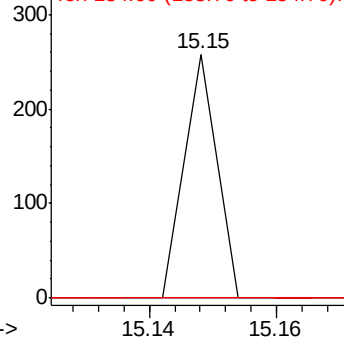
184 100

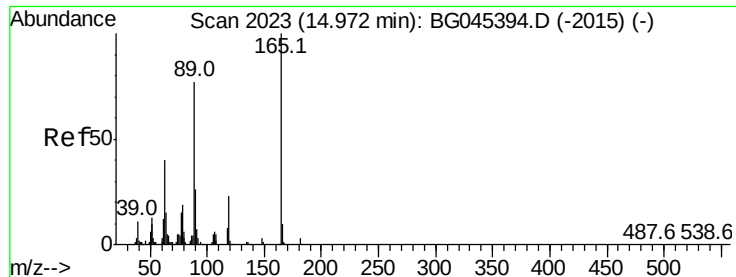
63 0.0 47.8 71.6#

154 0.0 58.3 87.5#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

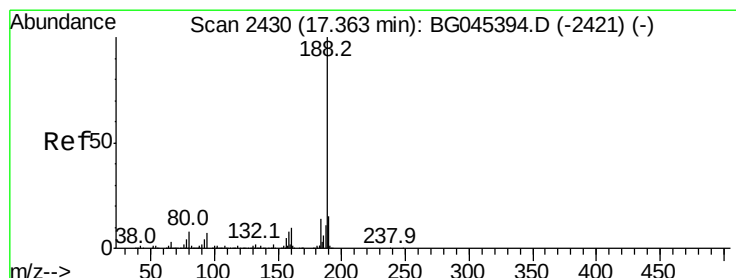
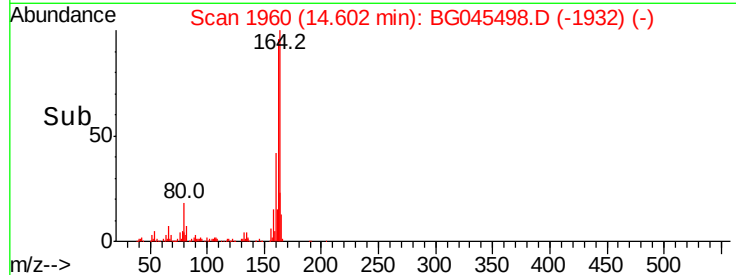
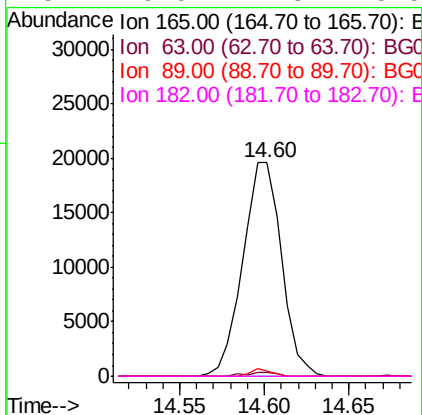
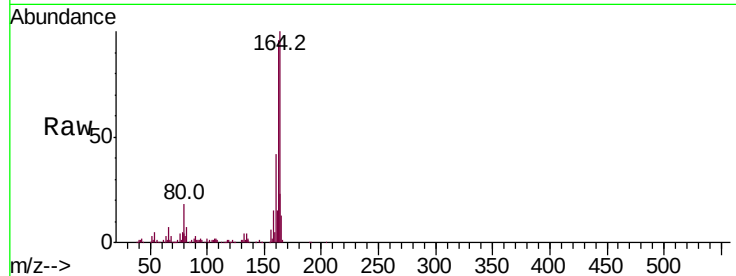




#57
 2,4-Dinitrotoluene
 Concen: 5.973 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045498.D
 Acq: 28 May 2020 15:32

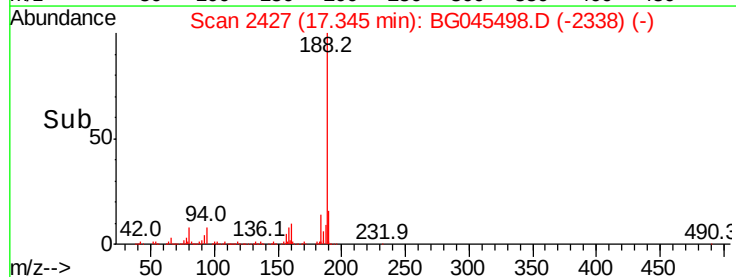
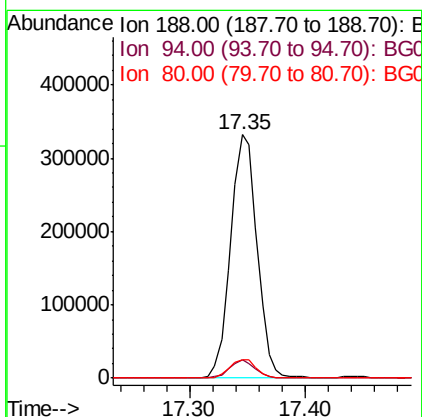
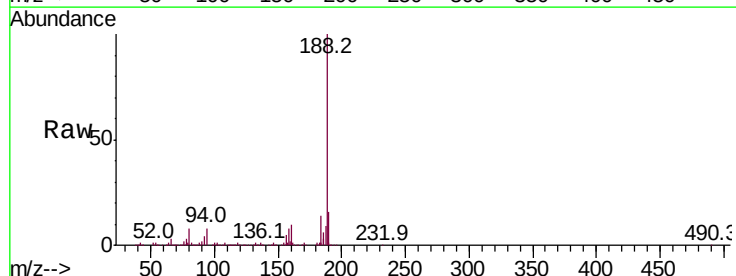
Instrument :
 BNA_G
 ClientSampleId :
 RAMP-B-INFIELD-2

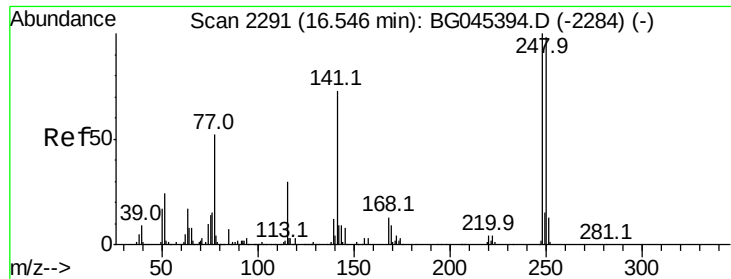
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.5	48.7#
89	2.4	61.8	92.6#
182	0.0	2.3	3.5#



#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	Ratio	Lower	Upper
188	100		
94	7.7	5.5	8.3
80	7.7	6.6	10.0

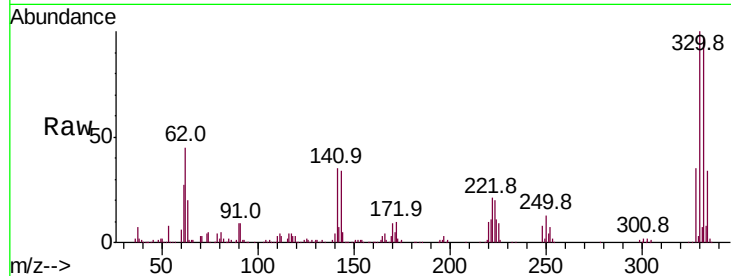




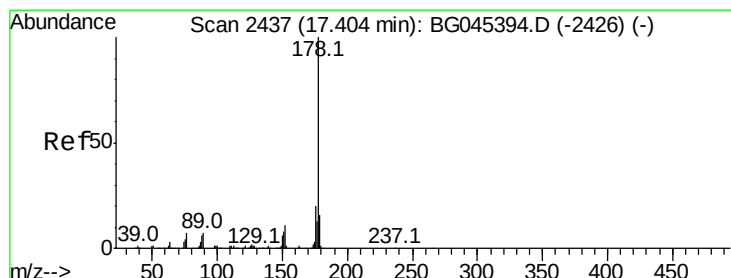
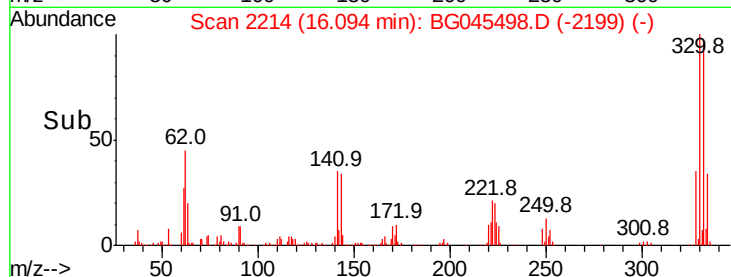
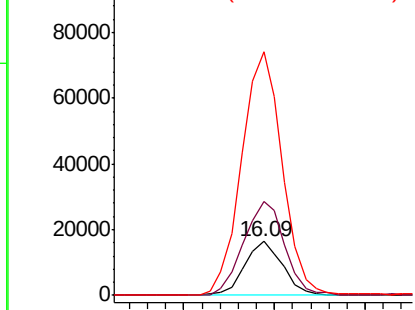
#67
 4-Bromophenyl-phenylether
 Concen: 4.167 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045498.D
 Acq: 28 May 2020 15:32

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

Tot Ion:248 Resp: 23841
 Ion Ratio Lower Upper
 248 100
 250 175.1 78.6 117.8#
 141 451.8 58.2 87.2#

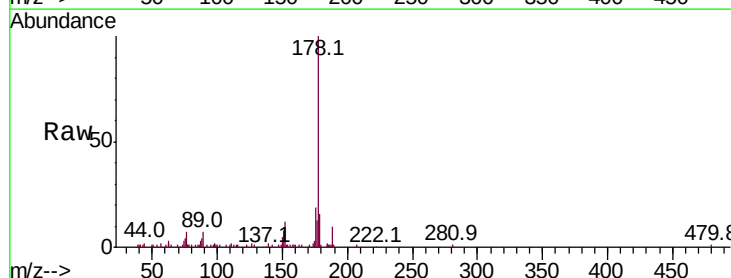


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

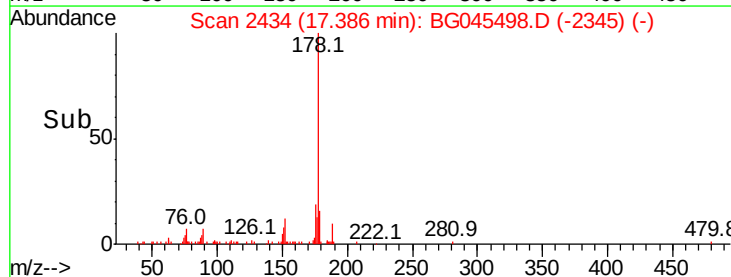
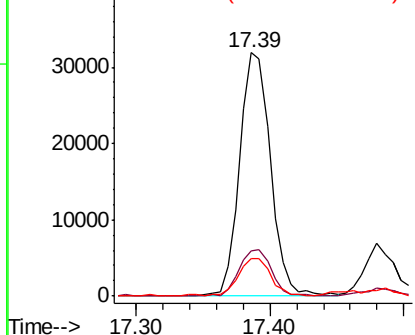


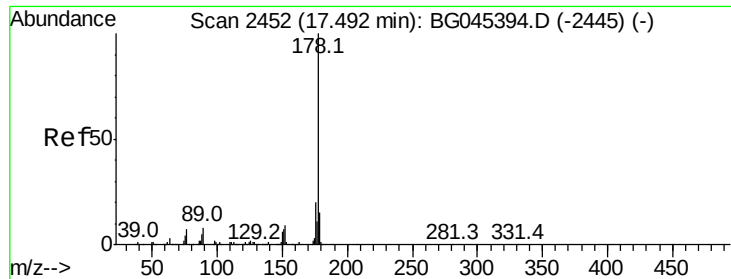
#71
 Phenanthrene
 Concen: 2.215 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG045498.D
 Acq: 28 May 2020 15:32

Tgt 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





#72

Anthracene

Concen: 2.206 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.10 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

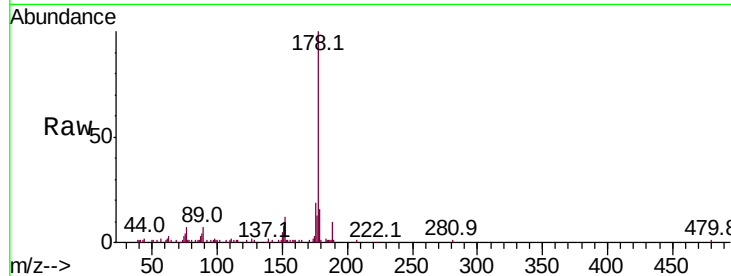
Tot Ion:178 Resp: 51100

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

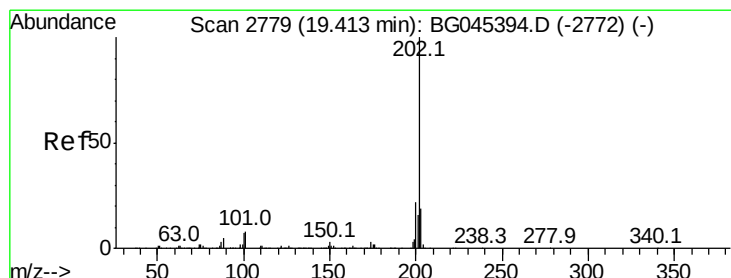
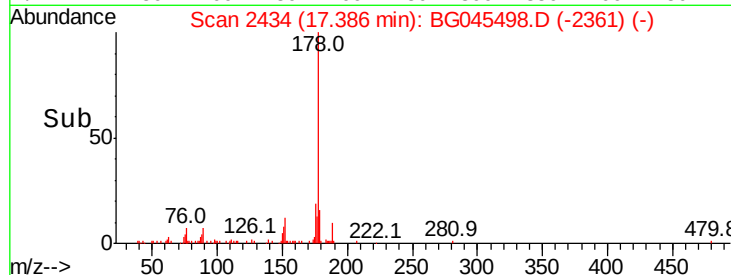
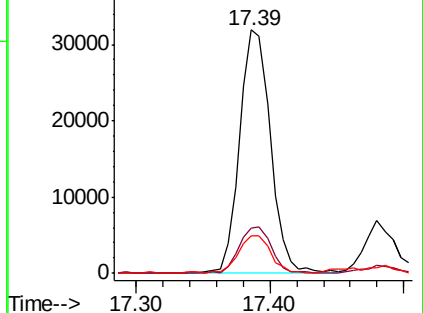
179 15.7 12.2 18.4



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

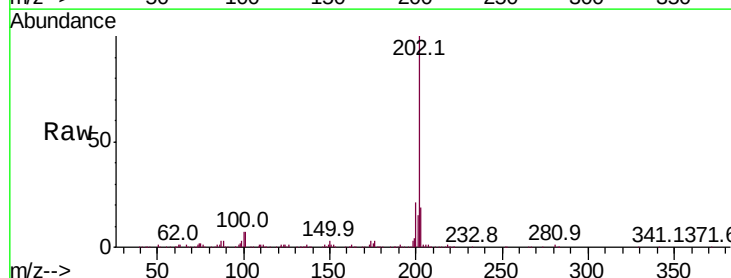
Tgt Ion:202 Resp: 165279

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.3

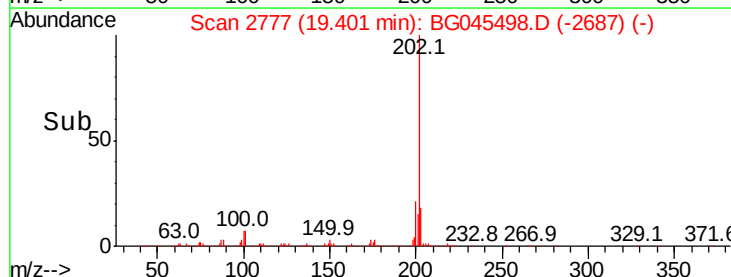
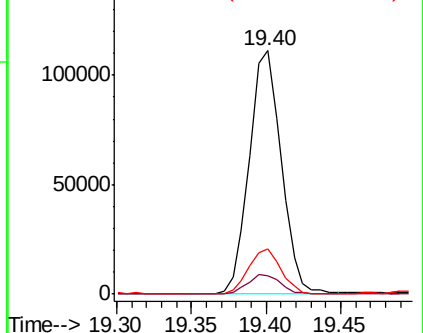
203 18.5 0.0 39.0

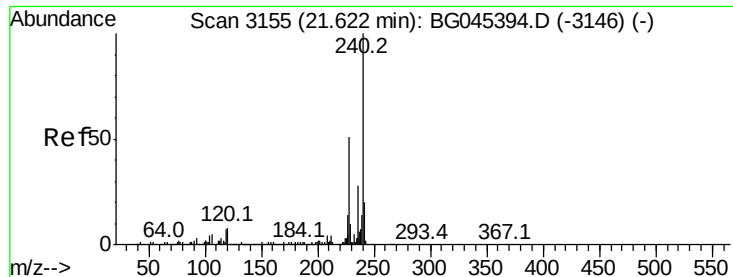


Abundance Ion 202.00 (201.70 to 202.70): E

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

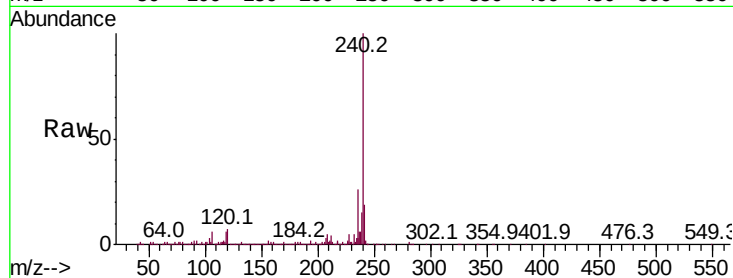
Tot Ion:240 Resp: 464486

Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

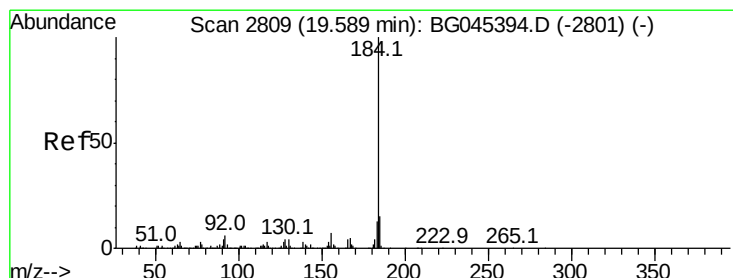
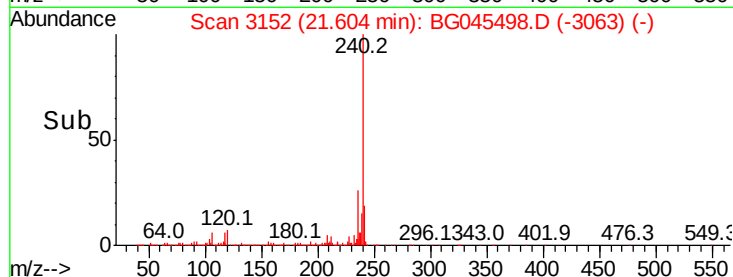
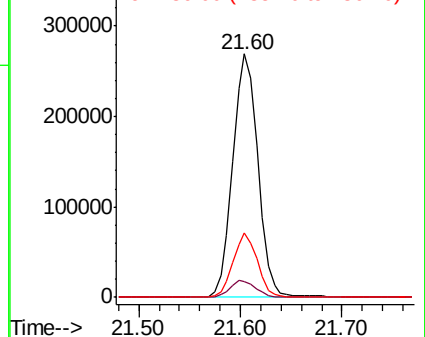
236 26.4 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.314 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

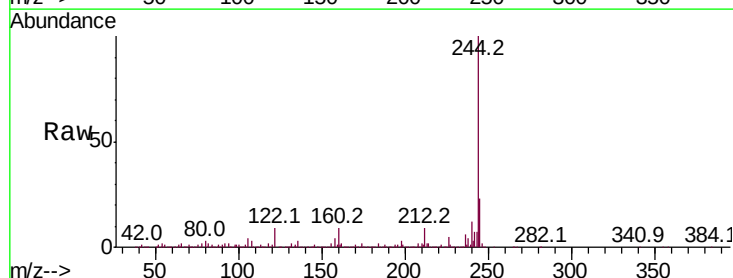
Tgt Ion:184 Resp: 30185

Ion Ratio Lower Upper

184 100

185 15.6 11.7 17.5

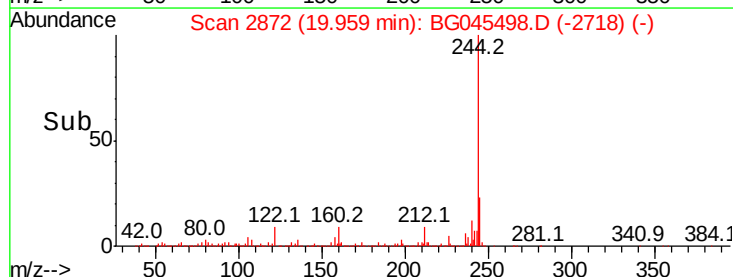
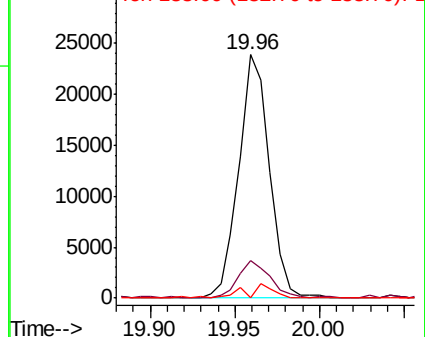
183 0.0 10.2 15.4#

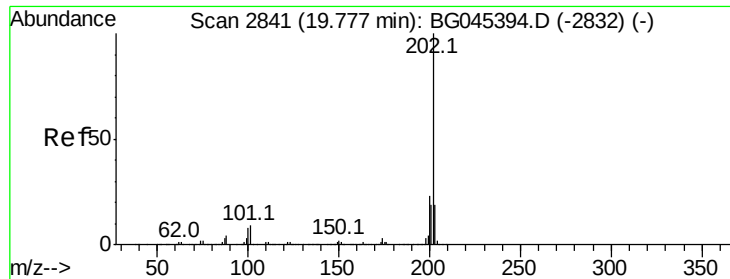


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

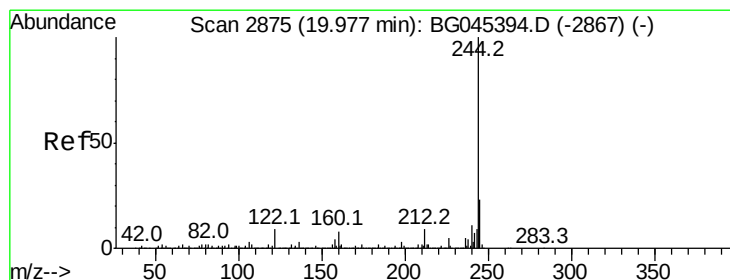
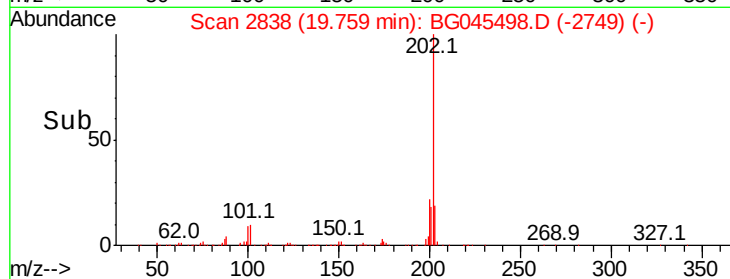
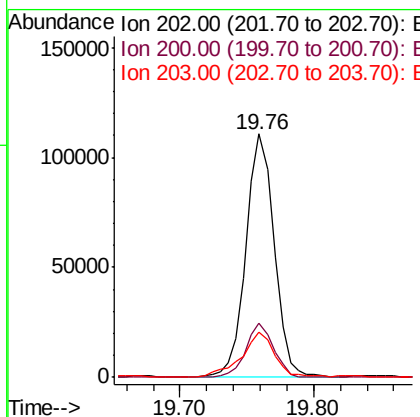
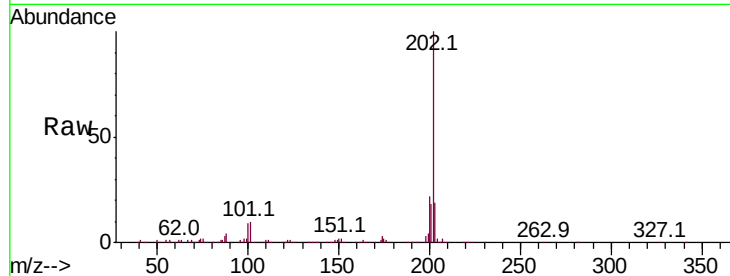




#78
Pvrene
Concen: 6.120 ng
RT: 19.76 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BG045498.D
Acq: 28 May 2020 15:32

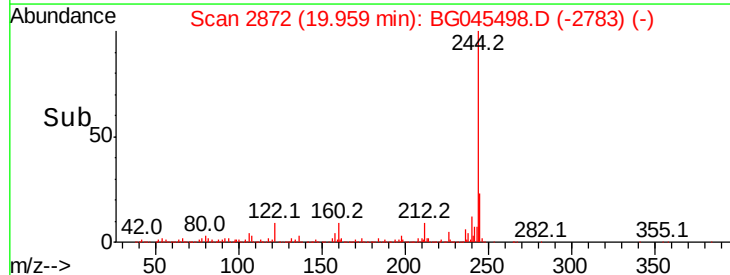
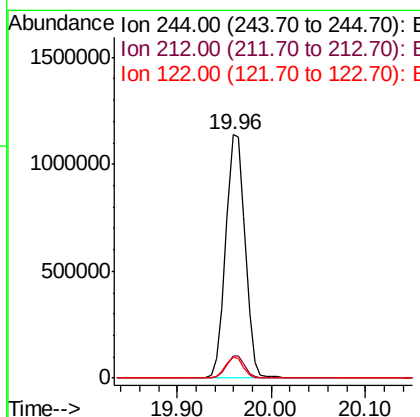
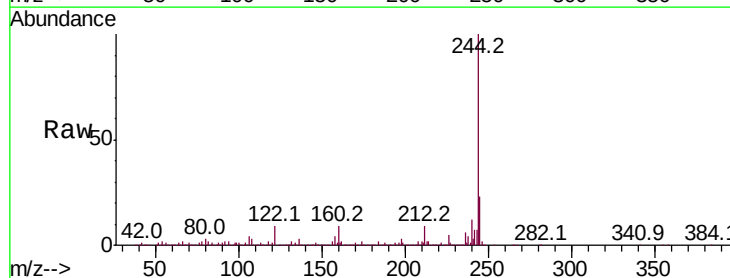
Instrument :
BNA_G
ClientSampleId :
RAMP-B-INFIELD-2

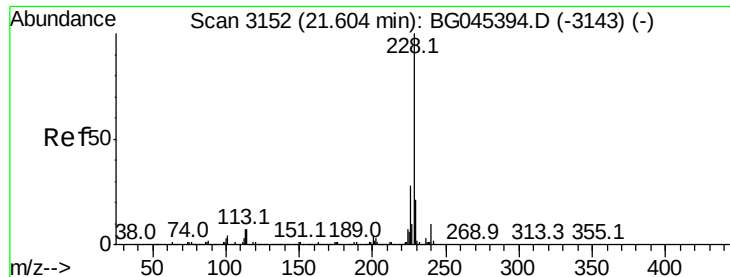
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	18.7	15.1	22.7



#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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.4	11.0
122	8.7	6.8	10.2





#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

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

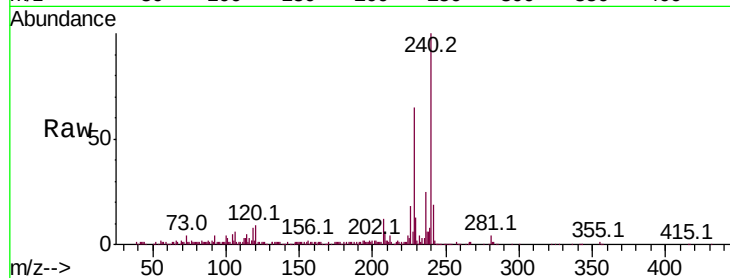
Tot Ion:228 Resp: 73404

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

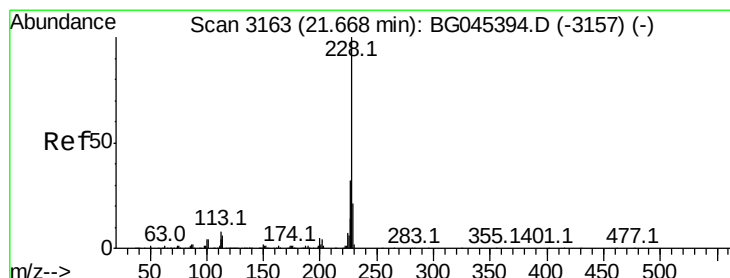
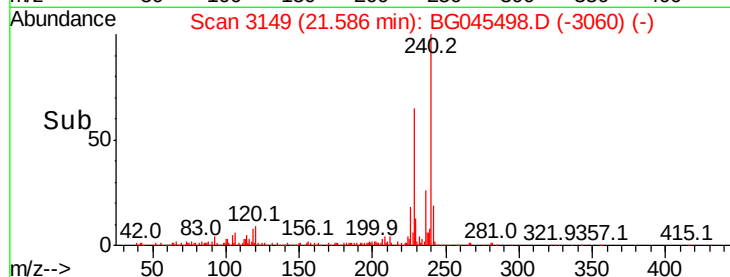
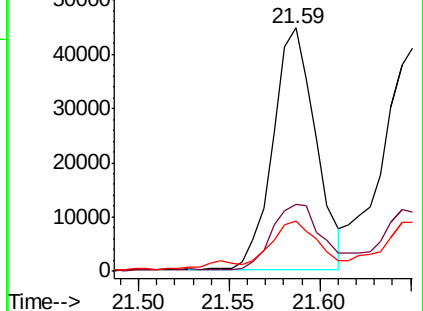
229 20.4 16.7 25.1



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



#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

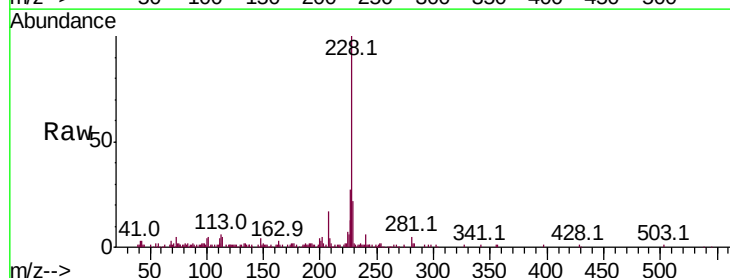
Tgt Ion:228 Resp: 74345

Ion Ratio Lower Upper

228 100

226 26.9 25.2 37.8

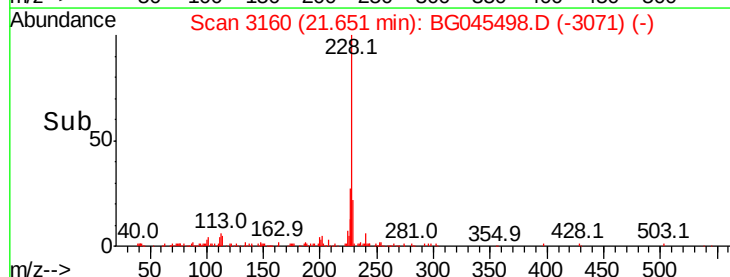
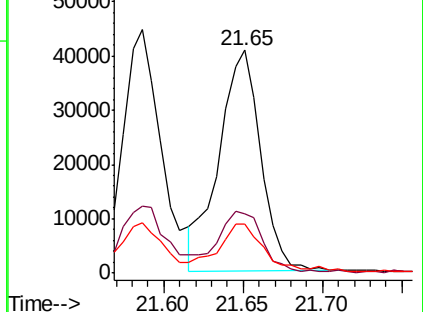
229 22.1 16.7 25.1

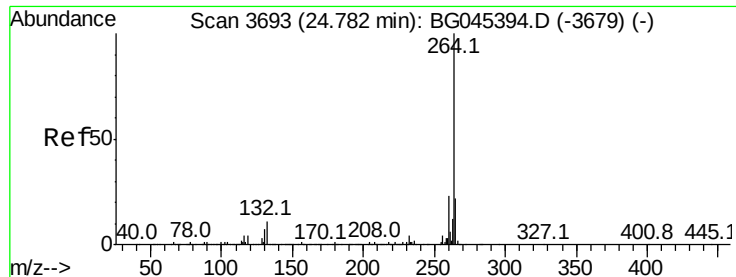


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-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

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

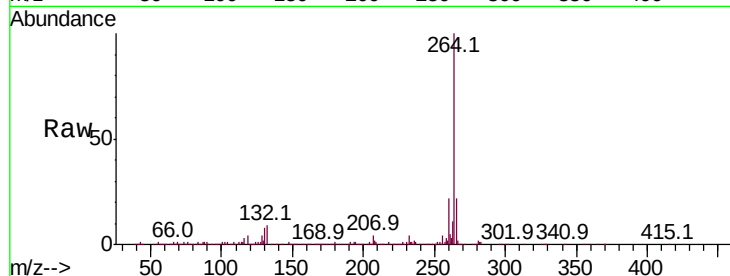
Tot Ion:264 Resp: 503513

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.4

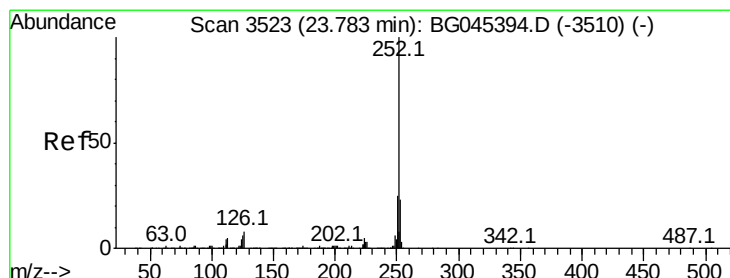
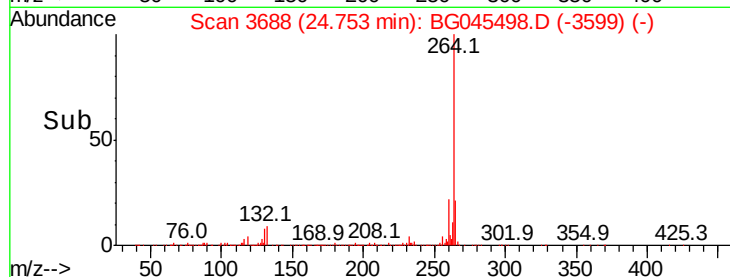
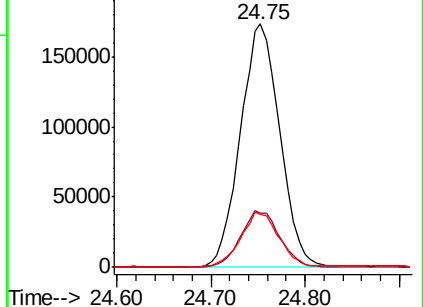
265 21.6 17.6 26.4



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

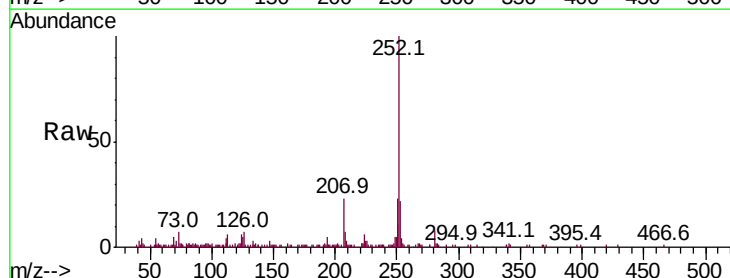
Tgt Ion:252 Resp: 97393

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

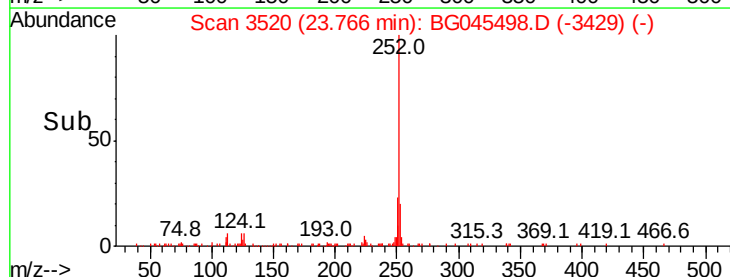
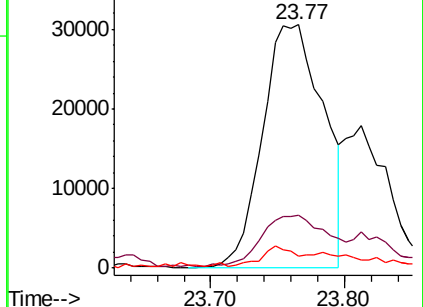
125 4.9 5.0 7.6#

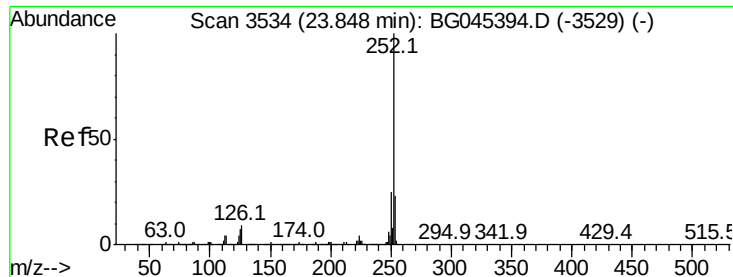


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.839 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.07 min

Lab File: BG045498.D

Acq: 28 May 2020 15:32

Instrument :

BNA_G

ClientSampleId :

RAMP-B-INFIELD-2

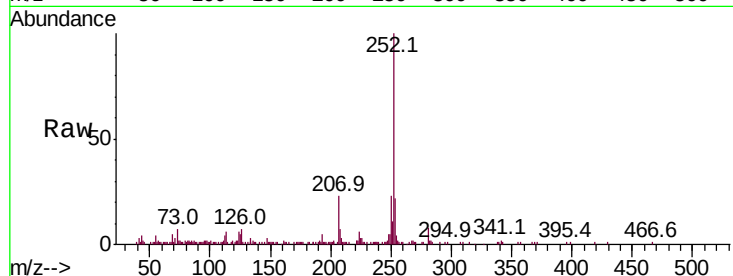
Tot Ion:252 Resp: 97393

Ion Ratio Lower Upper

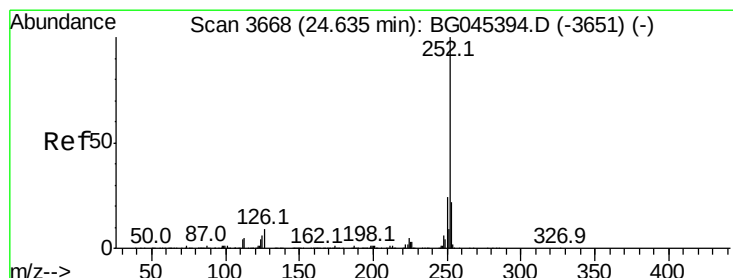
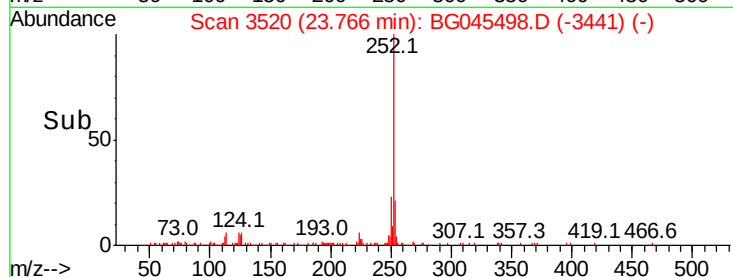
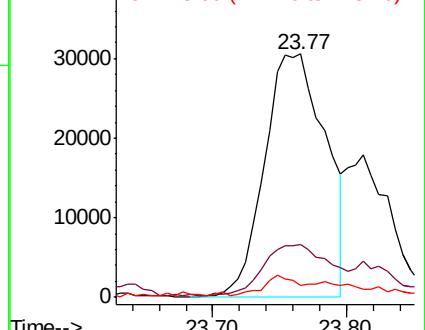
252 100

253 21.6 18.4 27.6

125 4.9 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 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

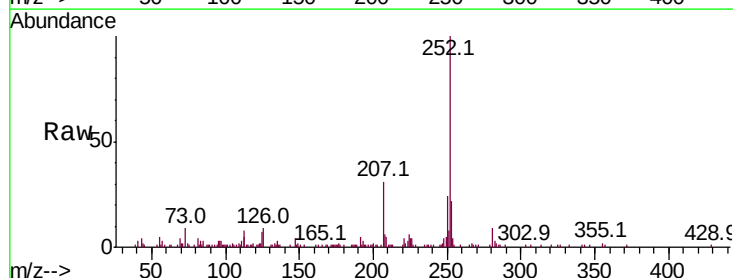
Tgt Ion:252 Resp: 77229

Ion Ratio Lower Upper

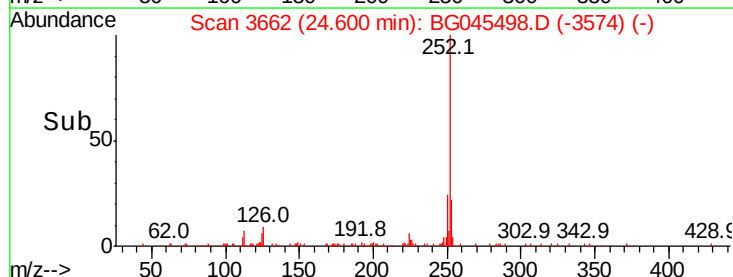
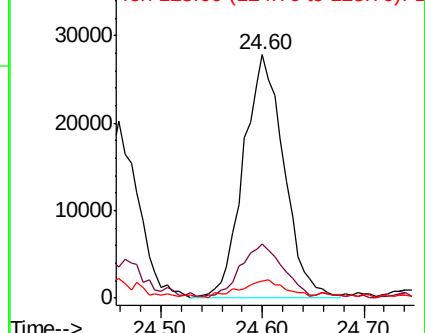
252 100

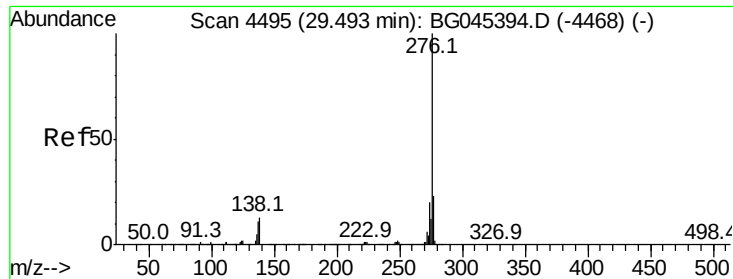
253 22.2 17.2 25.8

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





#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-INFELD-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

