

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052820\
 Data File : BG045500.D
 Acq On : 28 May 2020 16:53
 Operator : CG/JU
 Sample : L2771-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-A-INFIELD-1

Quant Time: May 28 18:04:19 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	87642	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	366800	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	256978	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	536939	20.00	ng	0.00
76) Chrysene-d12	21.60	240	473885	20.00	ng	0.00
87) Perylene-d12	24.76	264	509635	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	477243	106.42	ng	0.00
7) Phenol-d6	7.16	99	744058	116.57	ng	0.00
23) Nitrobenzene-d5	9.11	82	530727	78.90	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	385064	117.17	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1266923	83.62	ng	0.00
79) Terphenyl-d14	19.96	244	1738599	85.57	ng	0.00

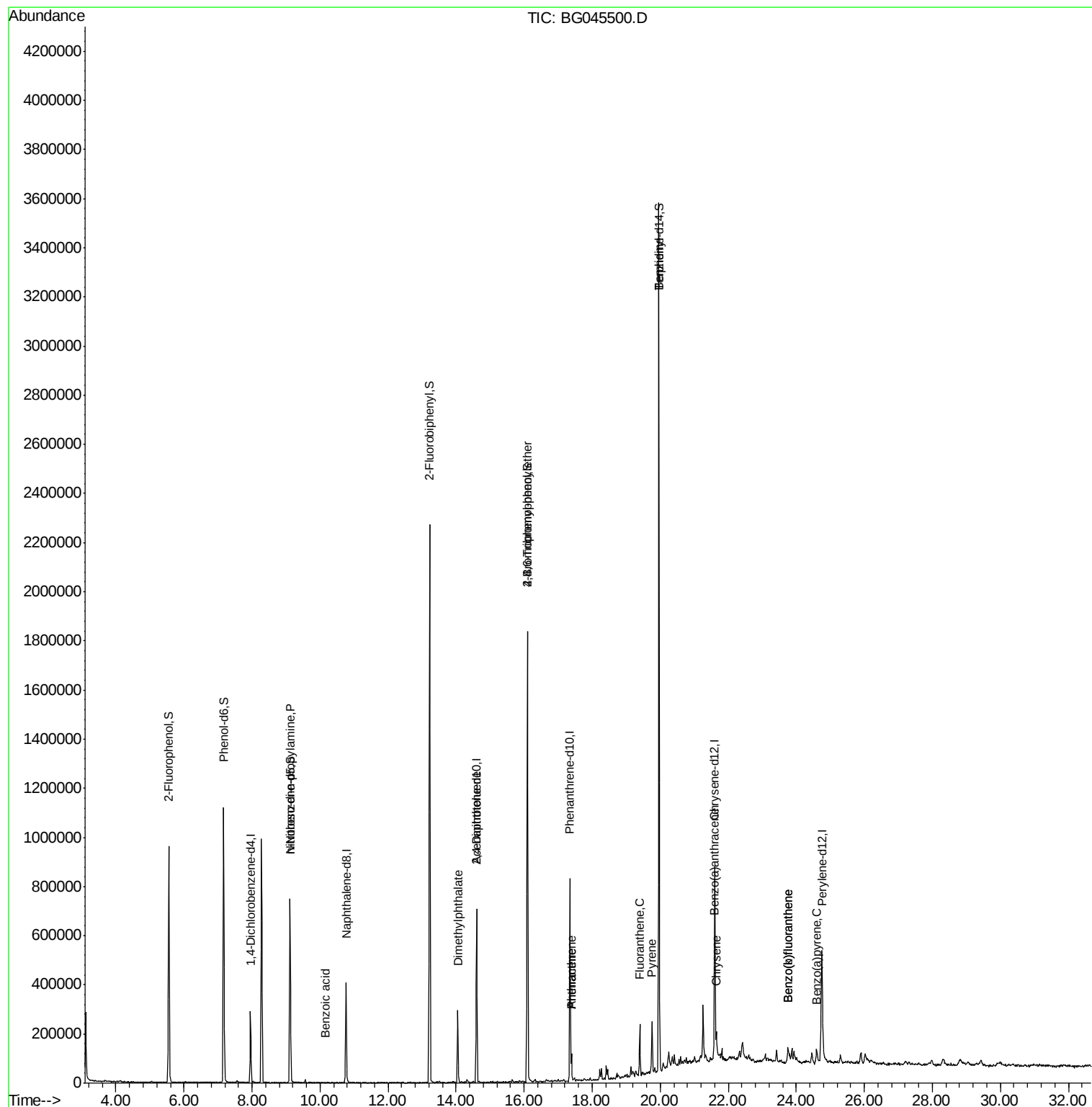
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.11	70	72308	16.382	ng	# 82
32) Benzoic acid	10.15	122	76	10.042	ng	# 1
50) Dimethylphthalate	14.05	163	197902	11.226	ng	# 98
57) 2,4-Dinitrotoluene	14.60	165	33655	5.842	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	25998	4.471	ng	# 1
71) Phenanthrene	17.39	178	71024	3.030	ng	97
72) Anthracene	17.39	178	71024	3.017	ng	98
75) Fluoranthene	19.40	202	124310	4.169	ng	98
77) Benzidine	19.96	184	32823	2.466	ng	# 93
78) Pyrene	19.76	202	137381	5.086	ng	97
81) Benzo(a)anthracene	21.59	228	71860	2.722	ng	96
83) Chrysene	21.65	228	69635	2.743	ng	96
88) Benzo(b)fluoranthene	23.76	252	78274	2.864	ng	100
89) Benzo(k)fluoranthene	23.76	252	78274	3.048	ng	99
90) Benzo(a)pyrene	24.60	252	61669	2.423	ng	# 90

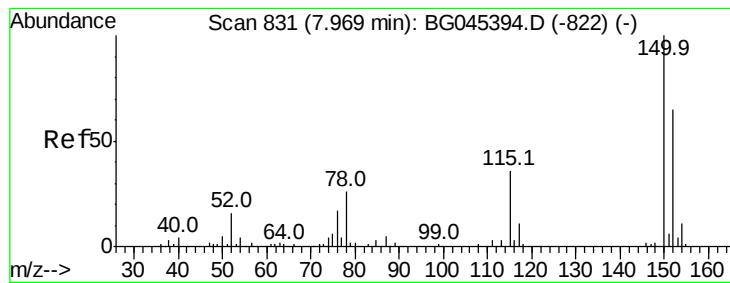
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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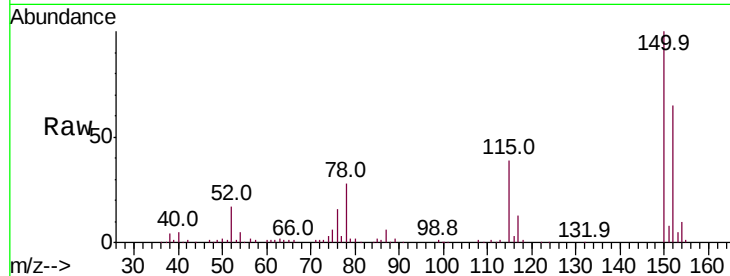


#1

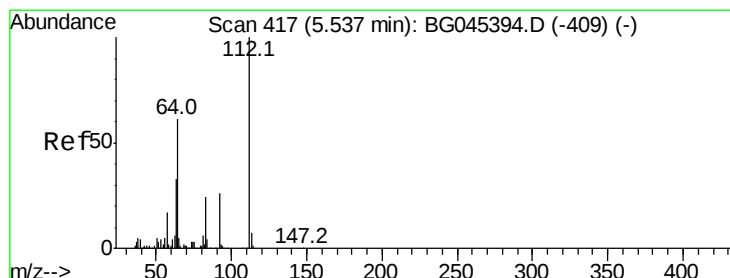
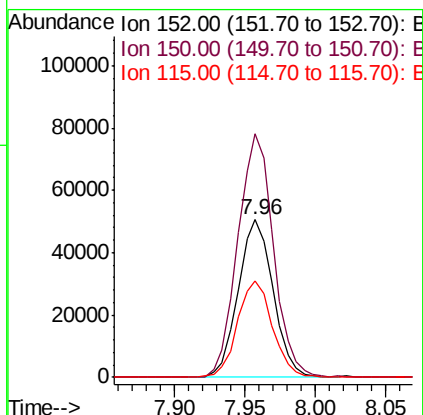
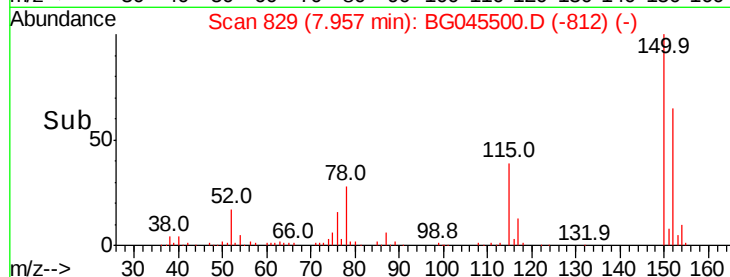
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BG045500.D
 Acq: 28 May 2020 16:53

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-A-INFELD-1

Tot Ion:152 Resp: 87642
 Ion Ratio Lower Upper
 152 100
 150 154.4 122.4 183.6
 115 61.0 44.2 66.4



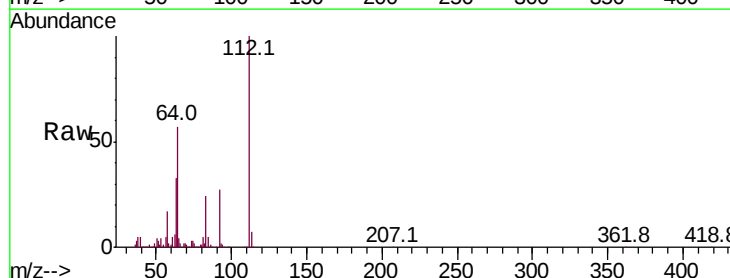
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



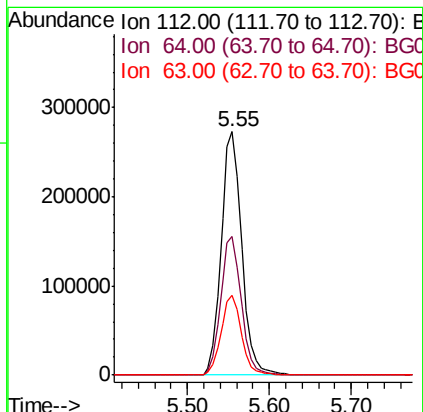
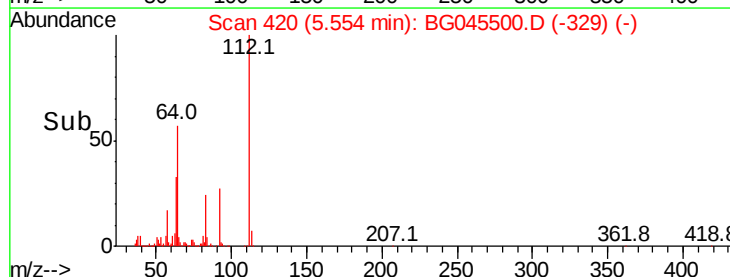
#5

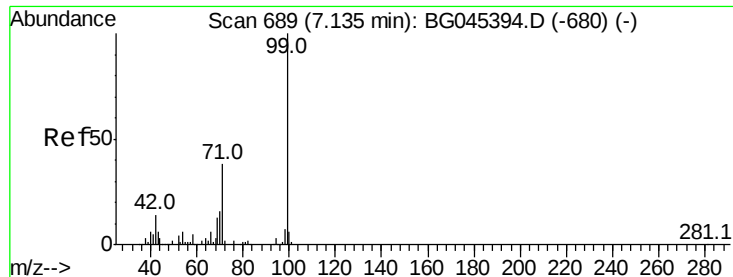
2-Fluorophenol
 Concen: 106.419 ng
 RT: 5.55 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: BG045500.D
 Acq: 28 May 2020 16:53

Tgt Ion:112 Resp: 477243
 Ion Ratio Lower Upper
 112 100
 64 56.7 48.6 72.8
 63 32.6 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.571 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

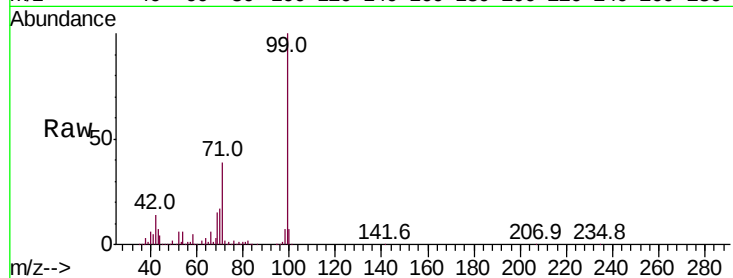
Tot Ion: 99 Resp: 744058

Ion Ratio Lower Upper

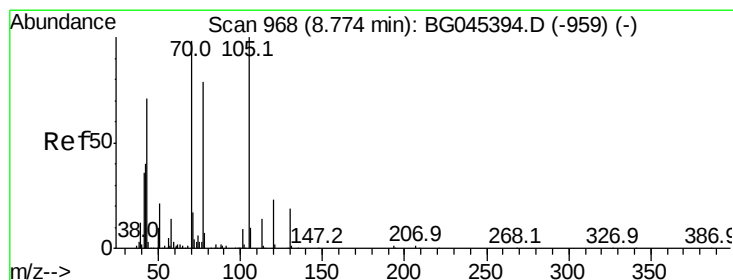
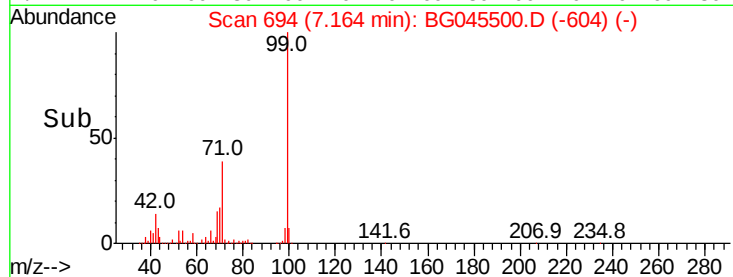
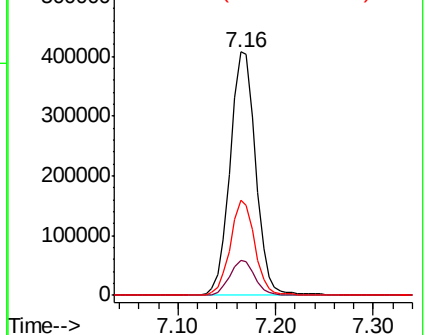
99 100

42 14.4 11.3 16.9

71 39.3 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: 16.382 ng

RT: 9.11 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Tgt Ion: 70 Resp: 72308

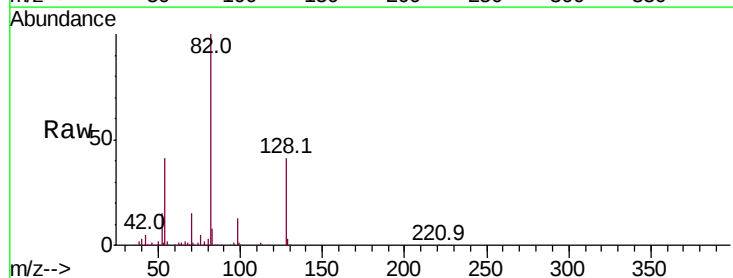
Ion Ratio Lower Upper

70 100

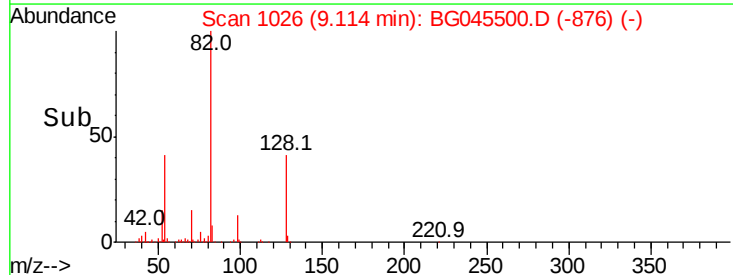
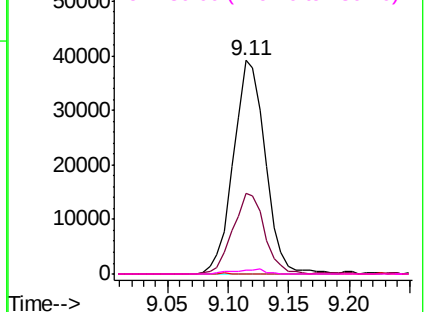
42 37.7 33.2 49.8

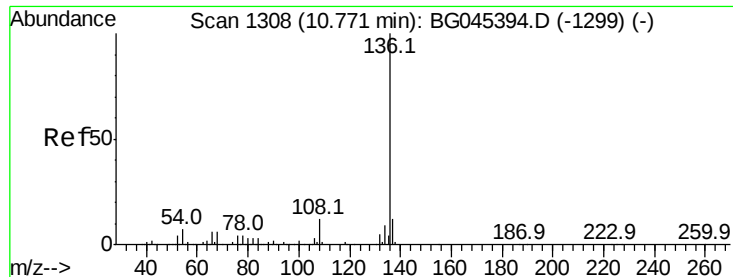
101 0.0 7.8 11.6#

130 1.6 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: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFELD-1

Tot Ion:136 Resp: 366800

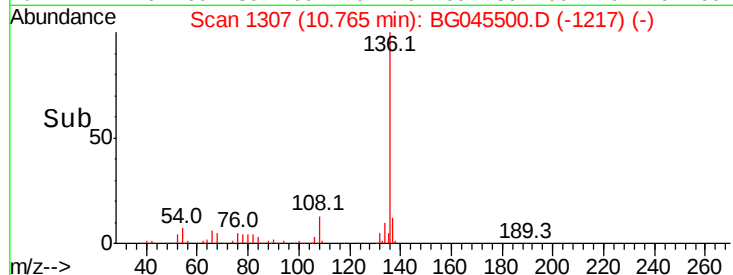
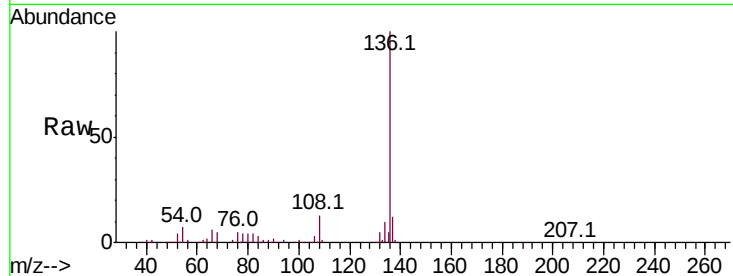
Ion Ratio Lower Upper

136 100

137 11.8 9.4 14.2

54 6.5 5.8 8.6

68 5.4 4.5 6.7

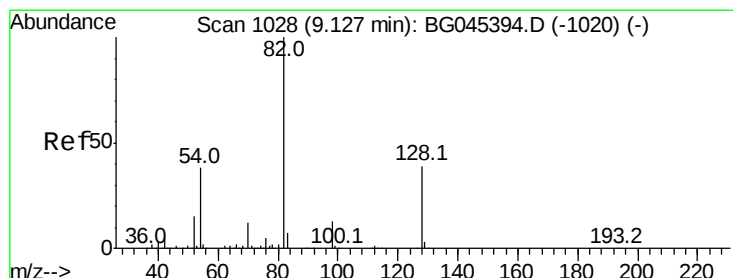
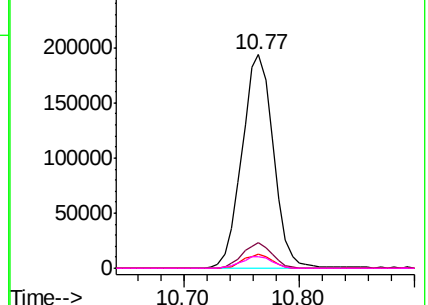


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 78.902 ng

RT: 9.11 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

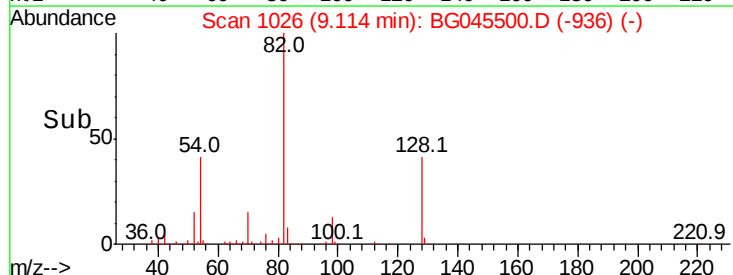
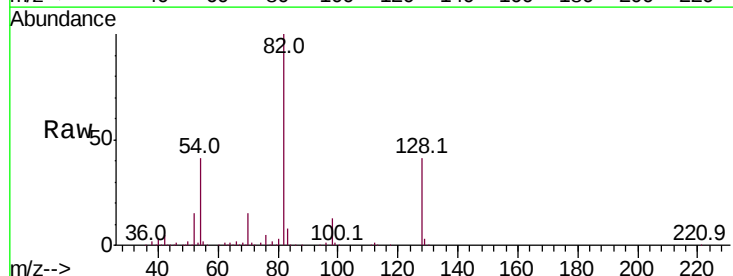
Tgt Ion: 82 Resp: 530727

Ion Ratio Lower Upper

82 100

128 40.9 30.9 46.3

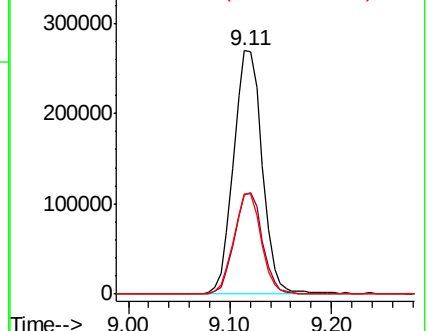
54 41.4 30.3 45.5

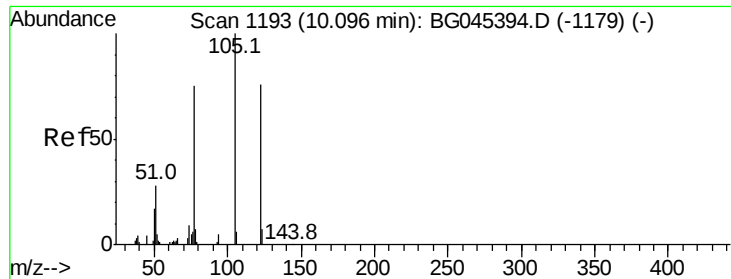


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

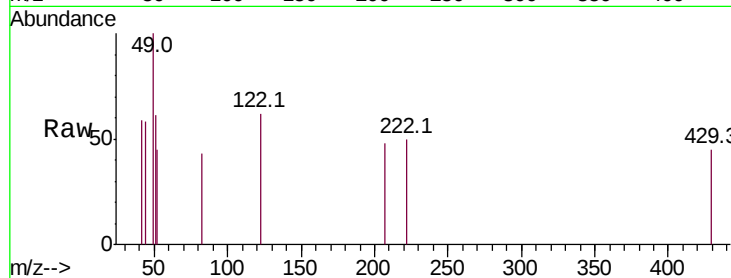




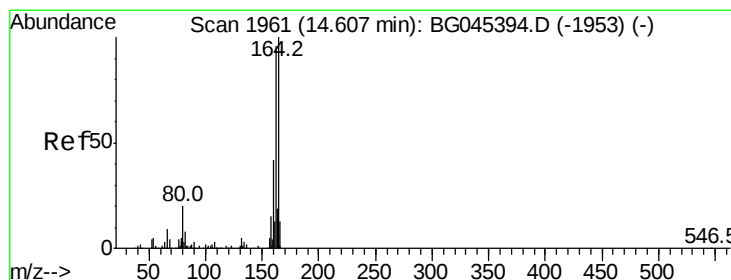
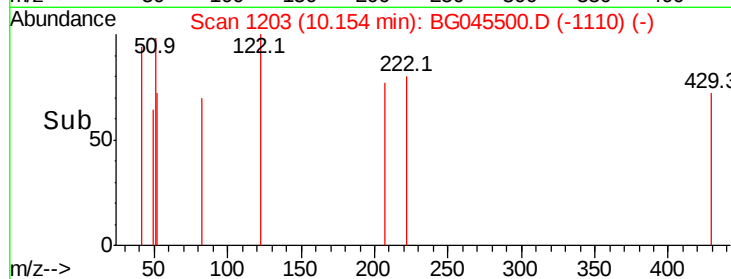
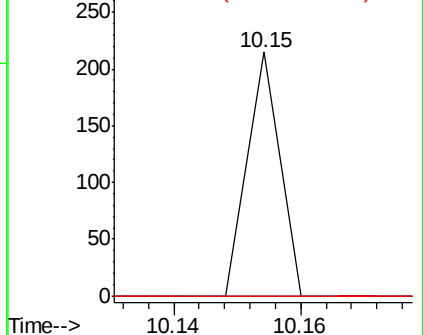
#32
Benzoic acid
Concen: 10.042 ng
RT: 10.15 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BG045500.D
Acq: 28 May 2020 16:53

Instrument :
BNA_G
ClientSampleId :
RAMP-A-INFELD-1

Tot Ion:122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

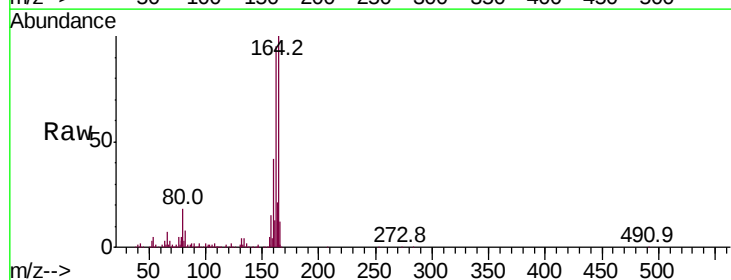


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

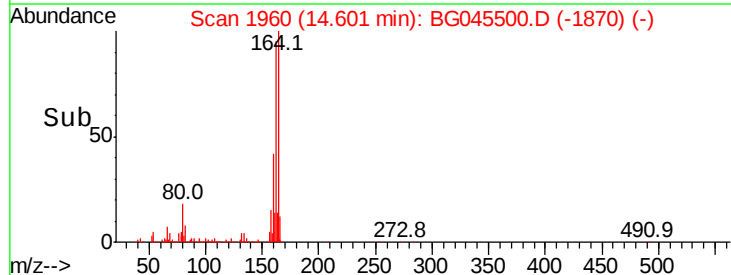
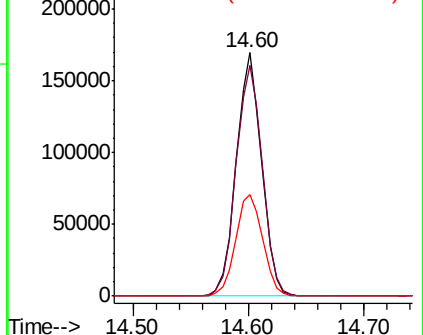


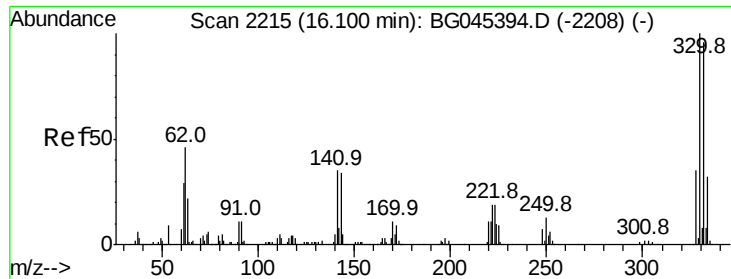
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045500.D
Acq: 28 May 2020 16:53

Tgt Ion:164 Resp: 256978
Ion Ratio Lower Upper
164 100
162 94.7 76.9 115.3
160 41.6 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





#42

2,4,6-Tribromophenol

Concen: 117.167 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

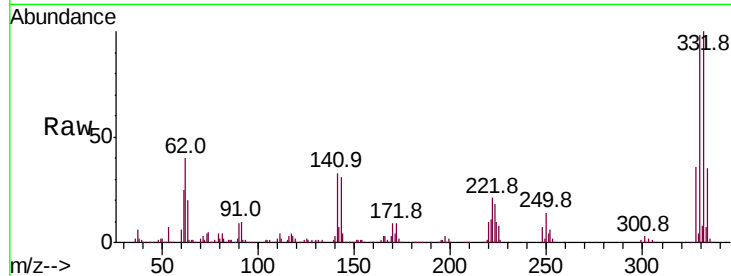
Tot Ion:330 Resp: 385064

Ion Ratio Lower Upper

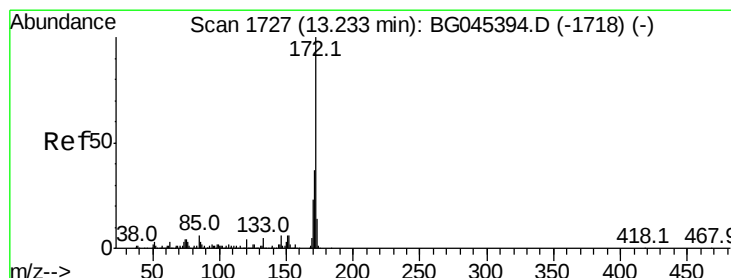
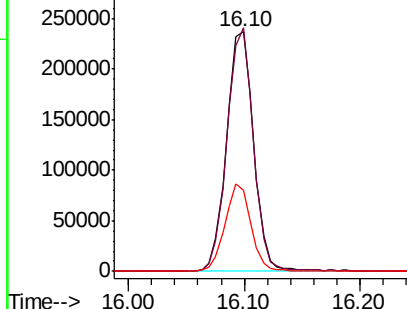
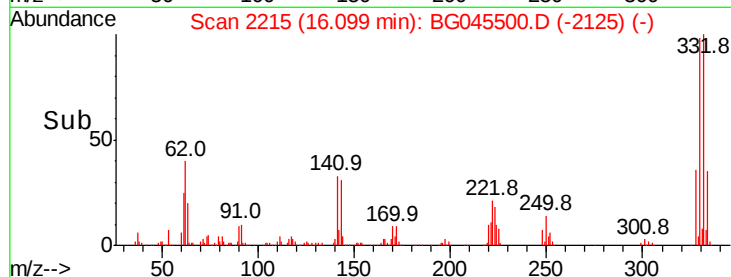
330 100

332 98.8 78.2 117.4

141 34.9 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: 83.624 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

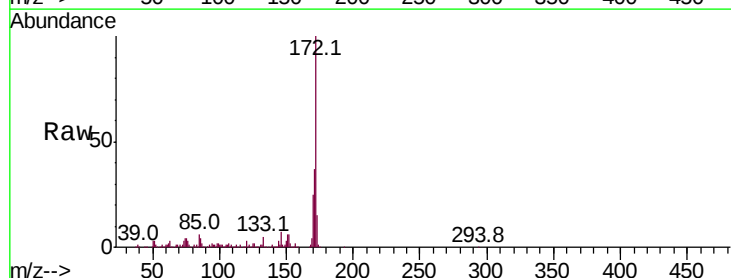
Tgt Ion:172 Resp: 1266923

Ion Ratio Lower Upper

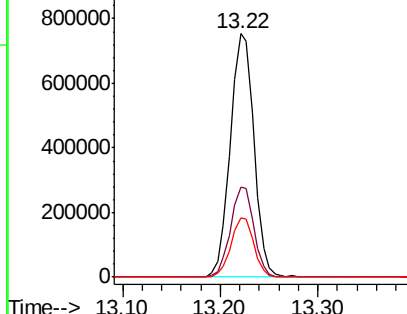
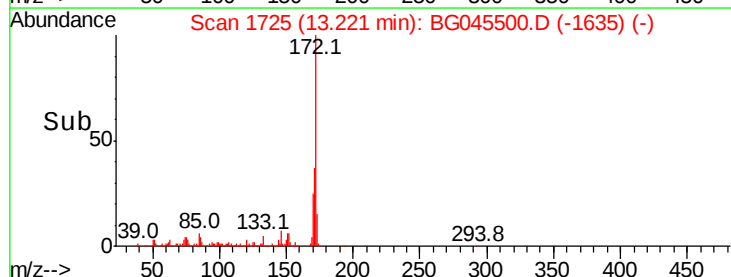
172 100

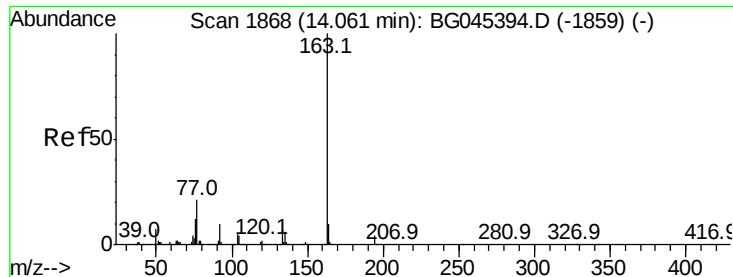
171 37.0 29.5 44.3

170 24.6 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: 11.226 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFELD-1

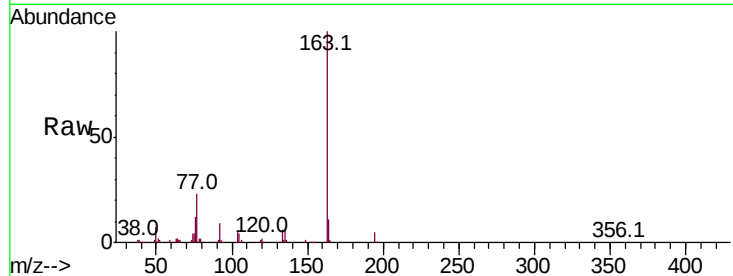
Tot Ion:163 Resp: 197902

Ion Ratio Lower Upper

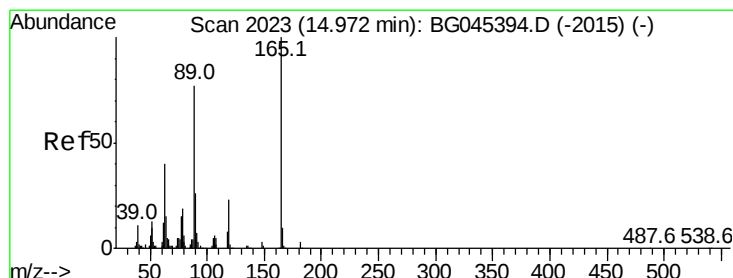
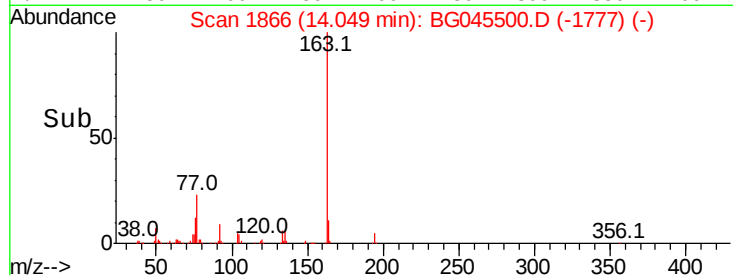
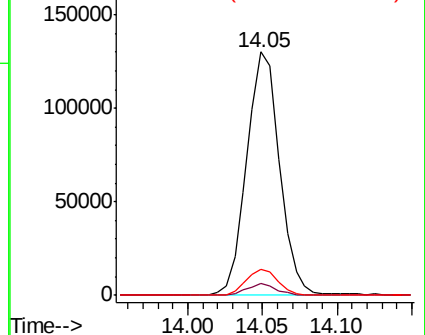
163 100

194 5.1 3.2 4.8#

164 10.9 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



#57

2,4-Dinitrotoluene

Concen: 5.842 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.37 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Tgt Ion:165 Resp: 33655

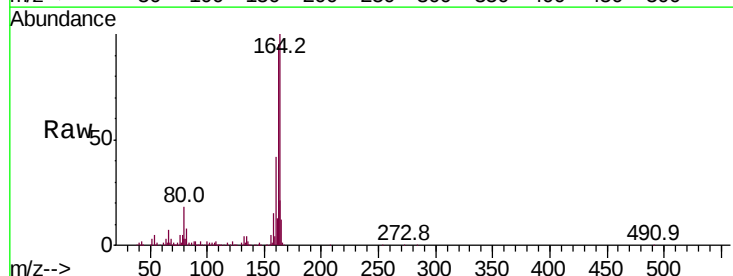
Ion Ratio Lower Upper

165 100

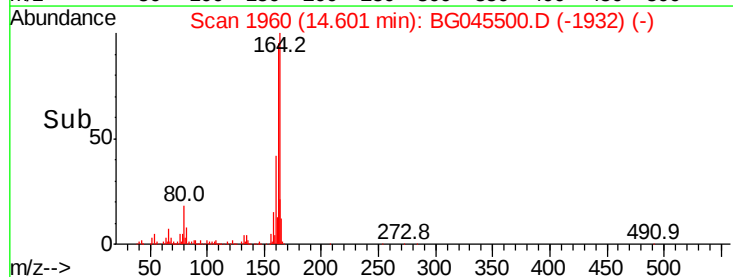
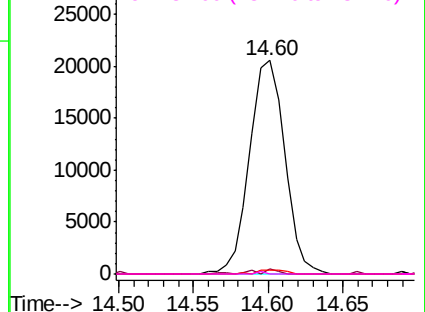
63 2.3 32.5 48.7#

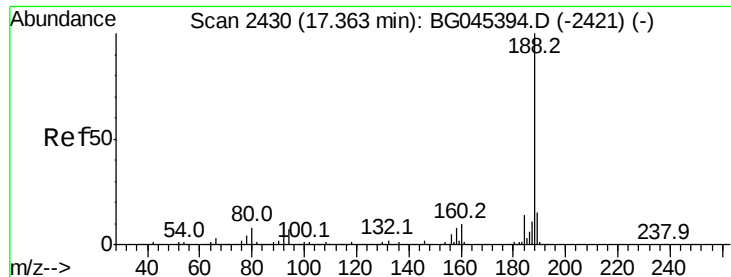
89 1.6 61.8 92.6#

182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

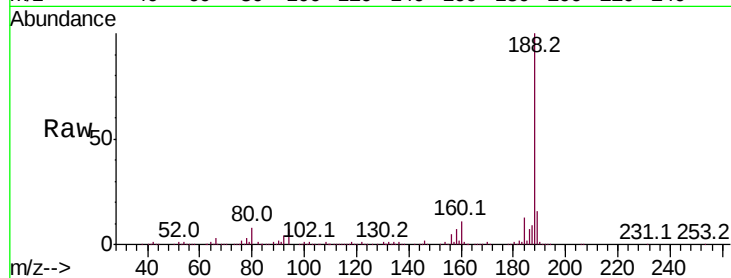
Tot Ion:188 Resp: 536939

Ion Ratio Lower Upper

188 100

94 6.8 5.5 8.3

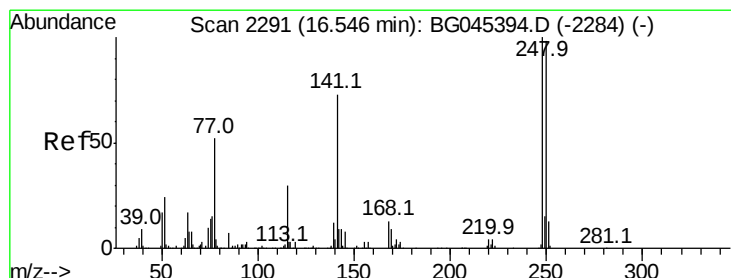
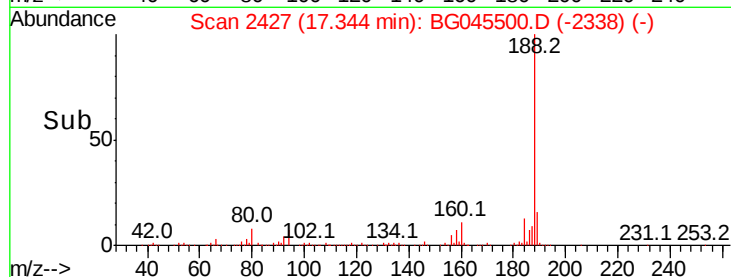
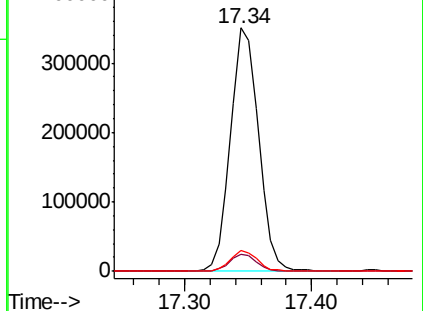
80 8.4 6.6 10.0



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



#67

4-Bromophenyl-phenylether

Concen: 4.471 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

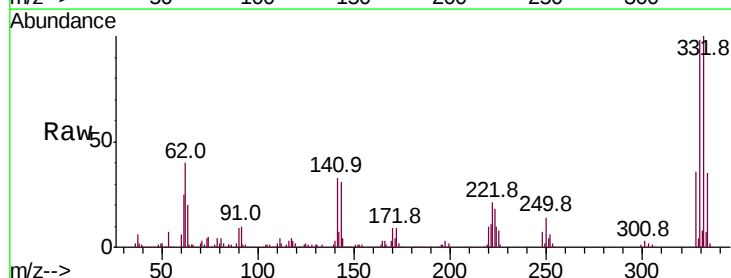
Tgt Ion:248 Resp: 25998

Ion Ratio Lower Upper

248 100

250 195.8 78.6 117.8#

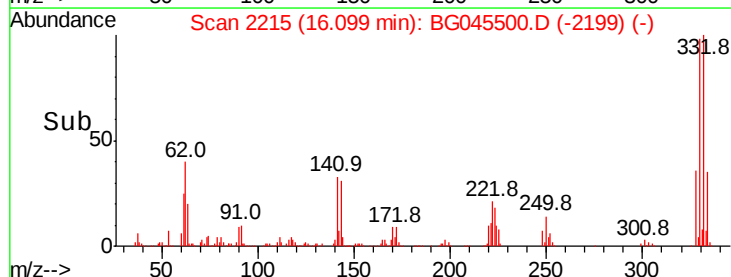
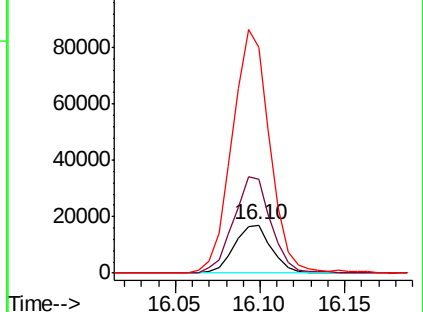
141 469.5 58.2 87.2#

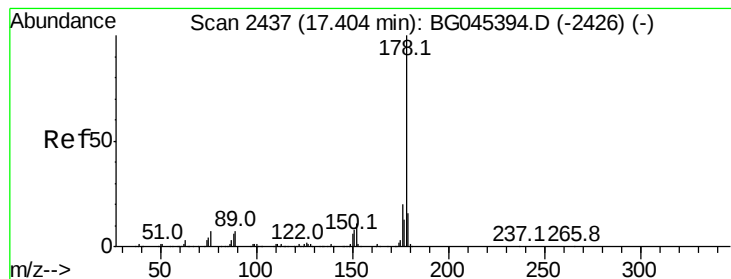


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.030 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

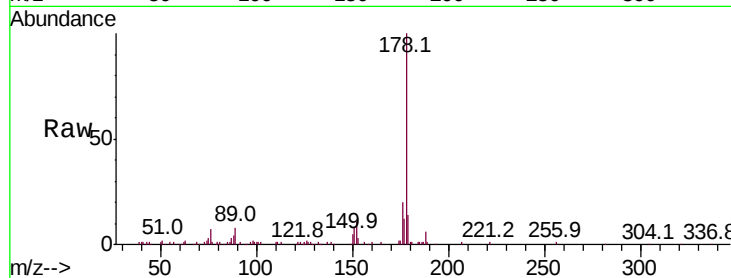
Tot Ion:178 Resp: 71024

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

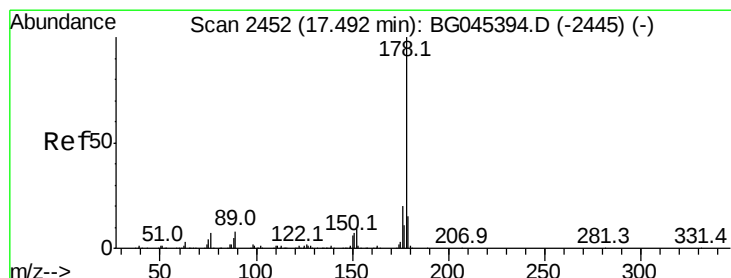
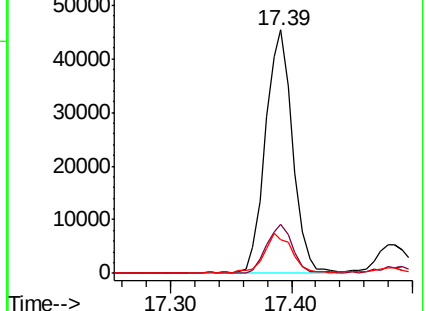
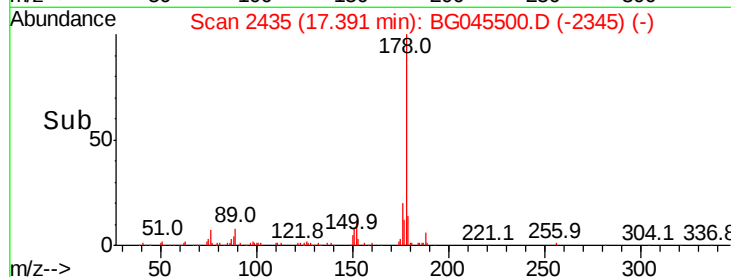
179 14.0 13.1 19.7



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: 3.017 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.10 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

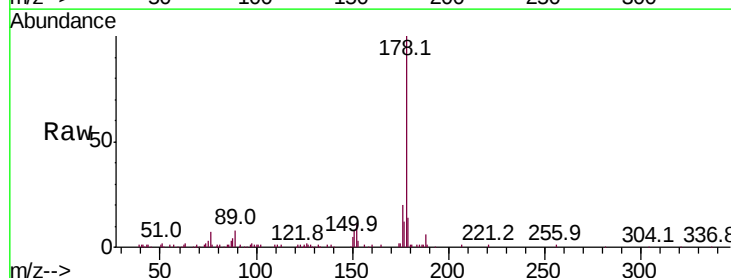
Tgt Ion:178 Resp: 71024

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

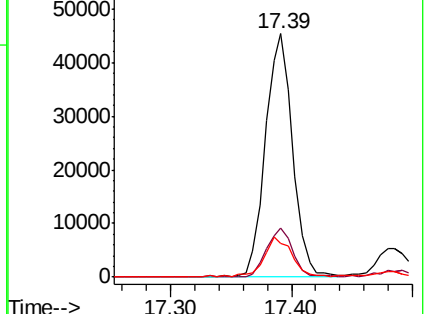
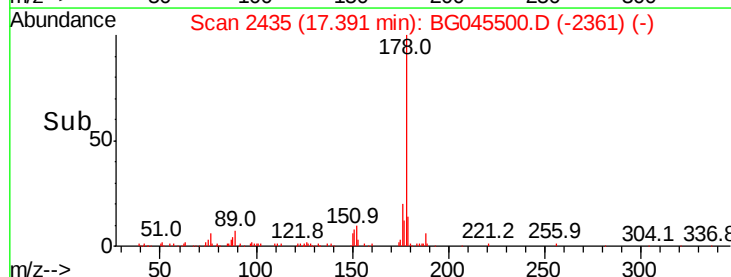
179 14.0 12.2 18.4

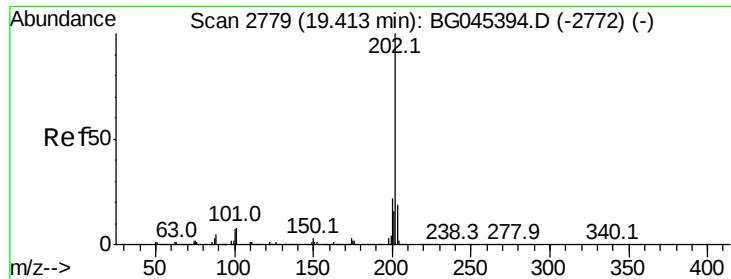


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.169 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

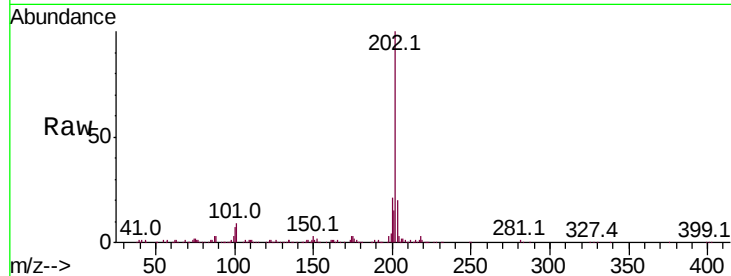
Tot Ion:202 Resp: 124310

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.3

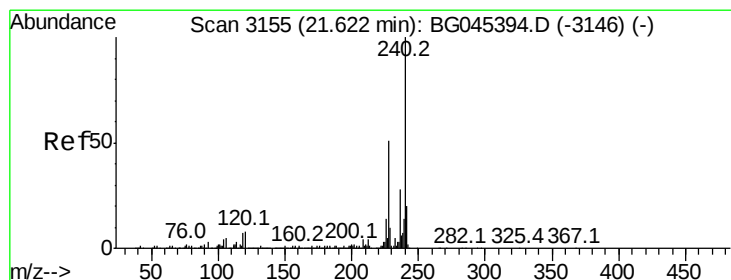
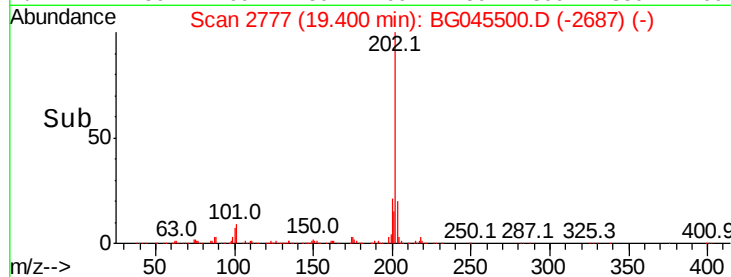
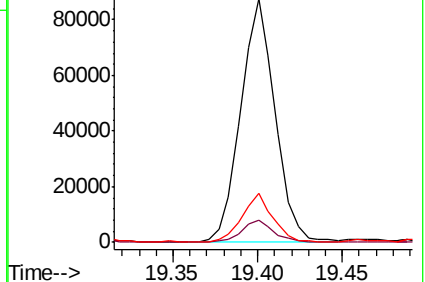
203 20.1 0.0 39.0



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: BG045500.D

Acq: 28 May 2020 16:53

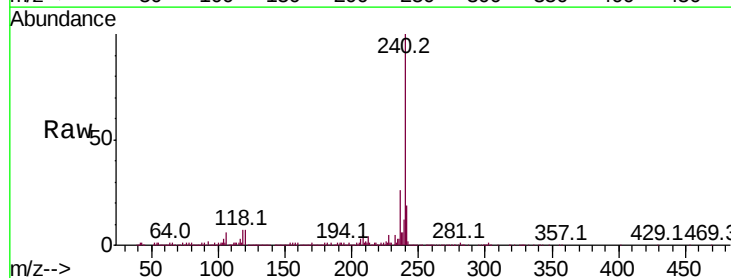
Tgt Ion:240 Resp: 473885

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

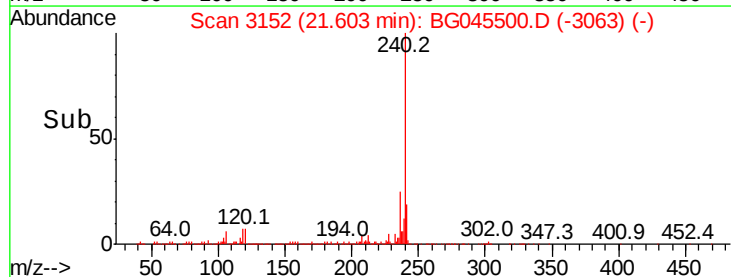
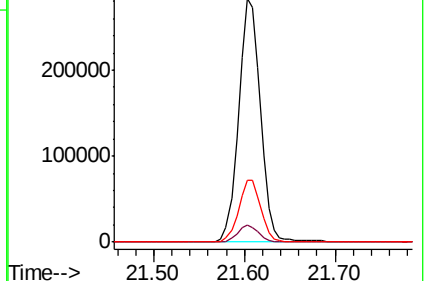
236 25.5 22.3 33.5

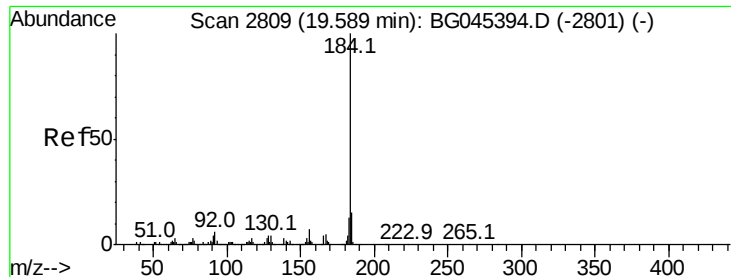


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.466 ng

RT: 19.96 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

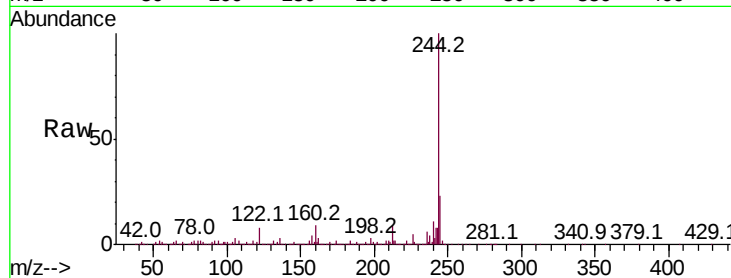
Tot Ion:184 Resp: 32823

Ion Ratio Lower Upper

184 100

185 15.8 11.7 17.5

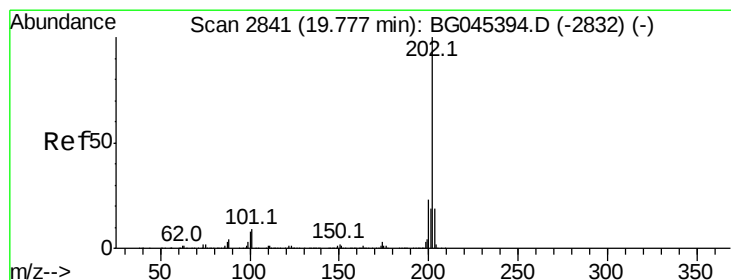
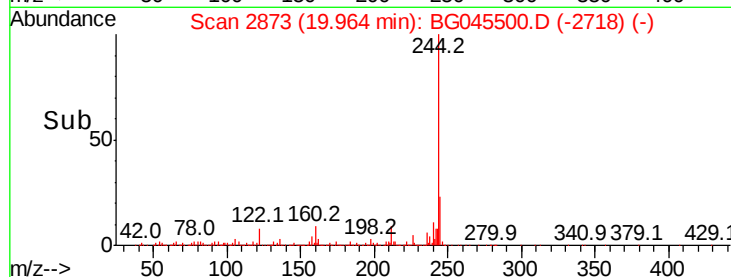
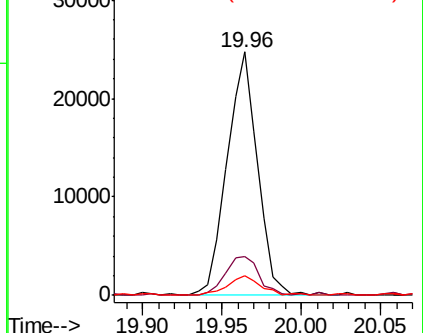
183 8.2 10.2 15.4#



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

Pyrene

Concen: 5.086 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

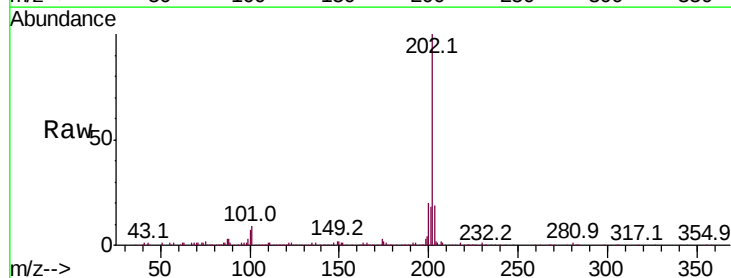
Tgt Ion:202 Resp: 137381

Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.2

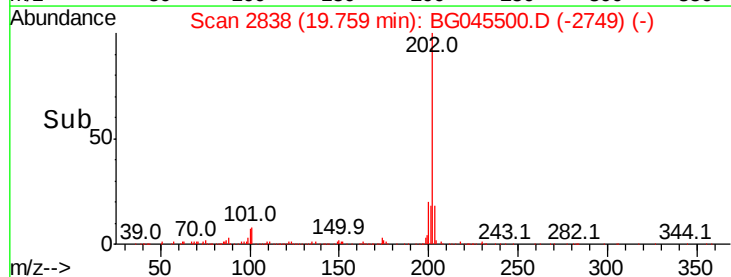
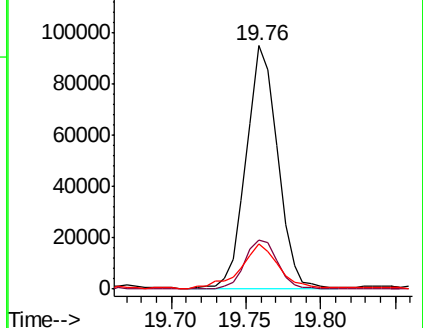
203 18.6 15.1 22.7

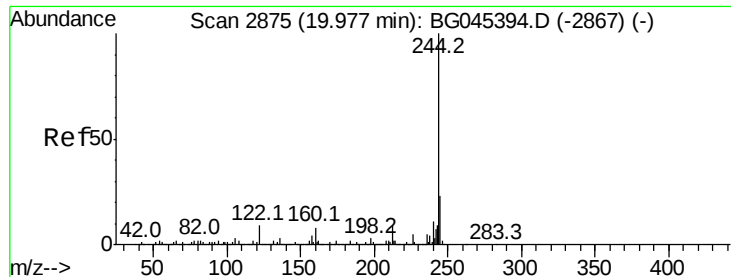


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.568 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

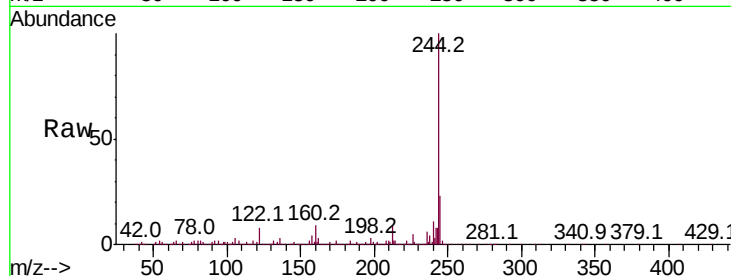
Tot Ion:244 Resp: 1738599

Ion Ratio Lower Upper

244 100

212 9.4 7.4 11.0

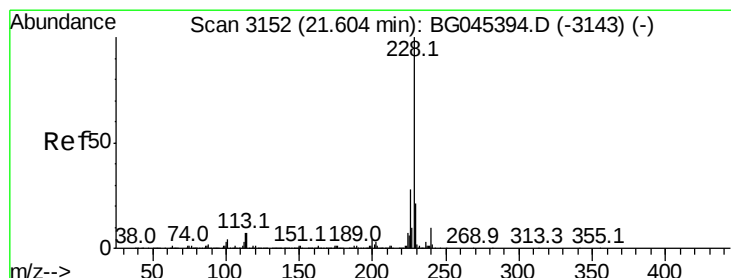
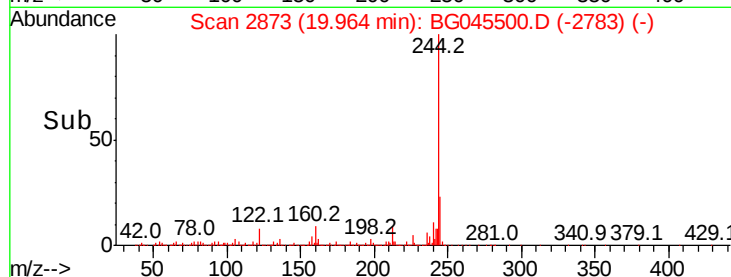
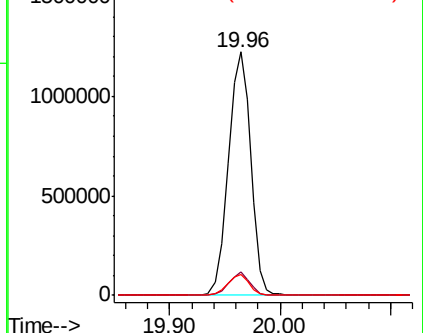
122 8.5 6.8 10.2



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: 2.722 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

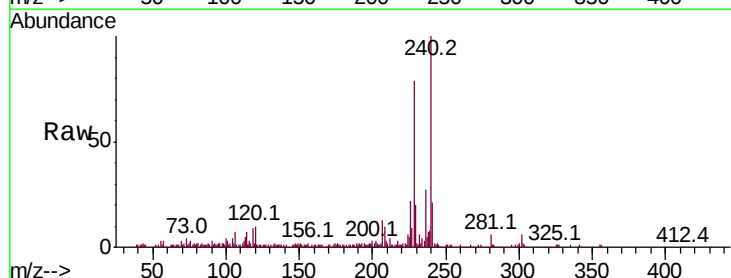
Tgt Ion:228 Resp: 71860

Ion Ratio Lower Upper

228 100

226 28.0 22.7 34.1

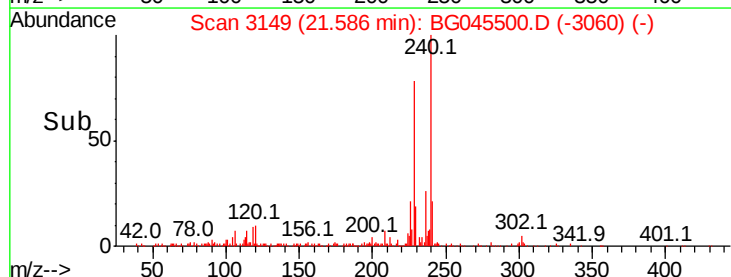
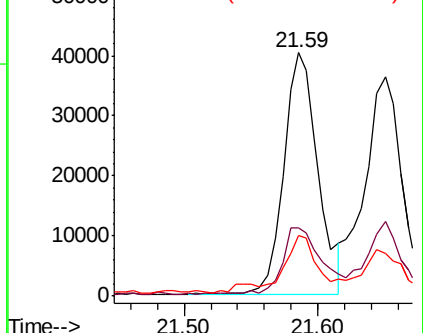
229 24.7 16.7 25.1

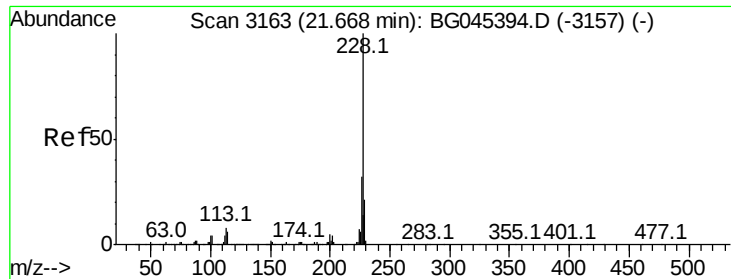


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.743 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

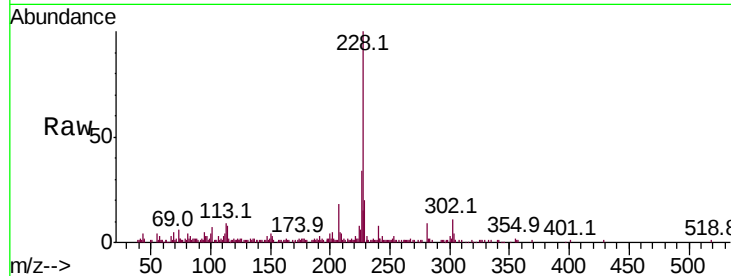
BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

Tot Ion:228 Resp: 69635

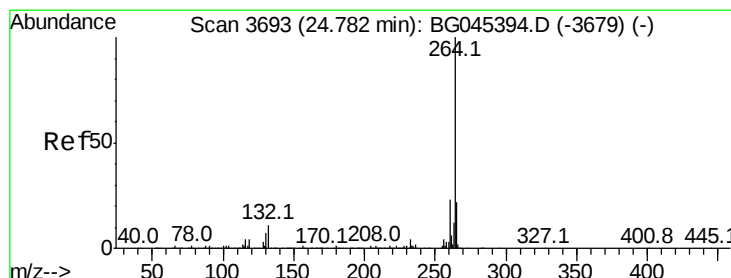
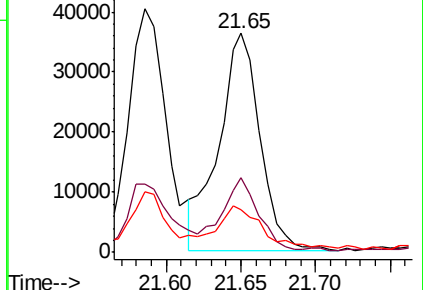
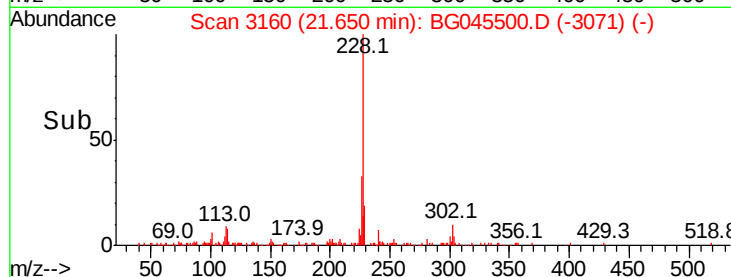
Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.2	37.8
229	19.8	16.7	25.1



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: 24.76 min Scan# 3689

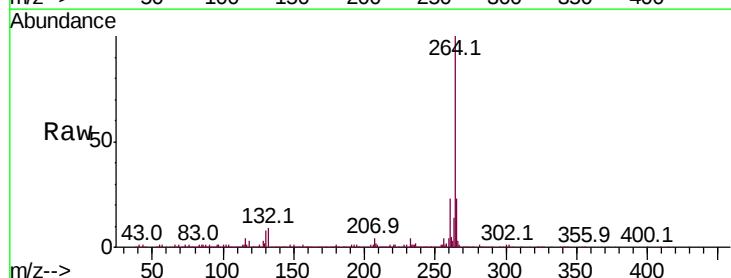
Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Tgt Ion:264 Resp: 509635

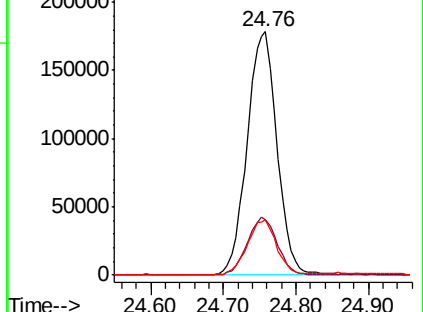
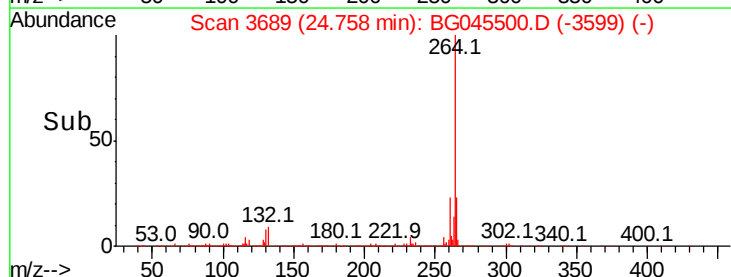
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	22.8	17.6	26.4

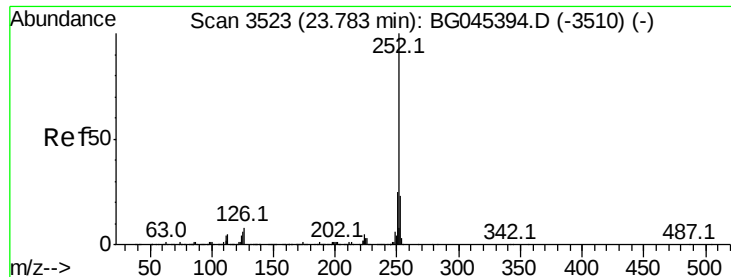


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.864 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFIELD-1

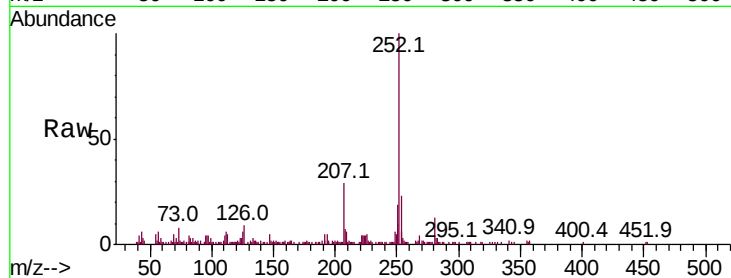
Tot Ion:252 Resp: 78274

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

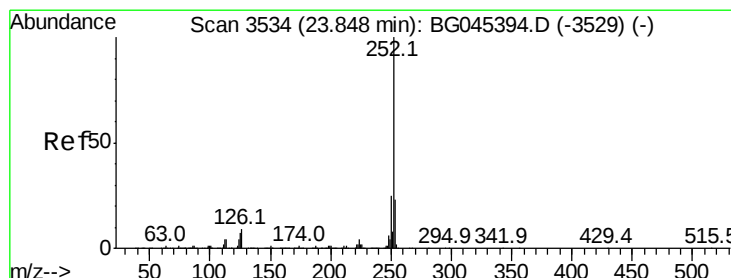
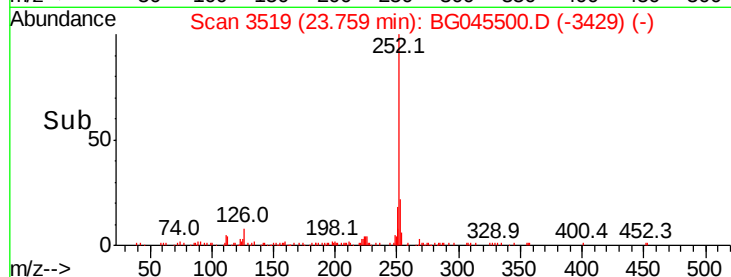
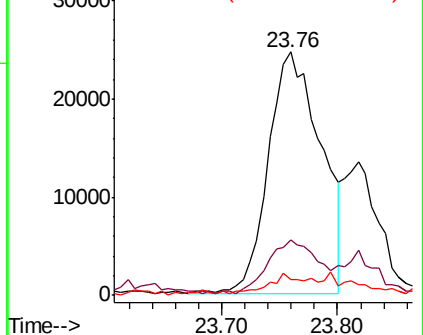
125 6.4 5.0 7.6



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: 3.048 ng

RT: 23.76 min Scan# 3519

Delta R.T. -0.07 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

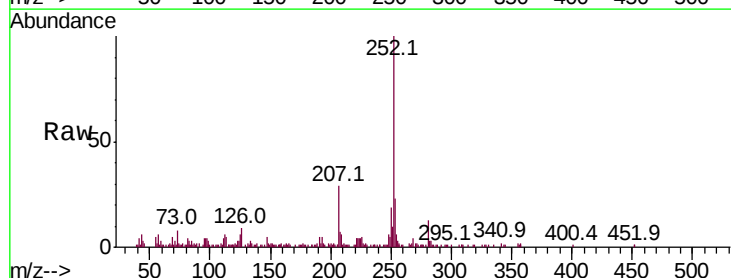
Tgt Ion:252 Resp: 78274

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

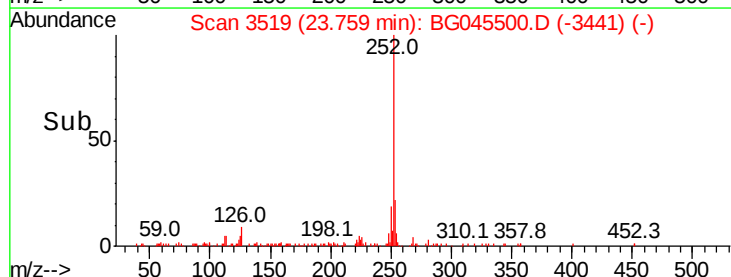
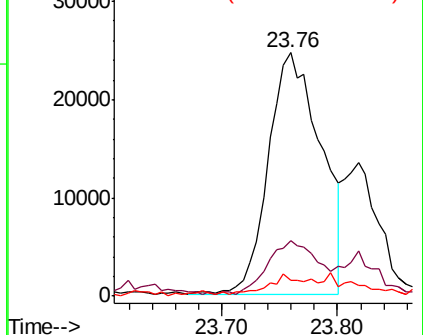
125 6.4 5.7 8.5

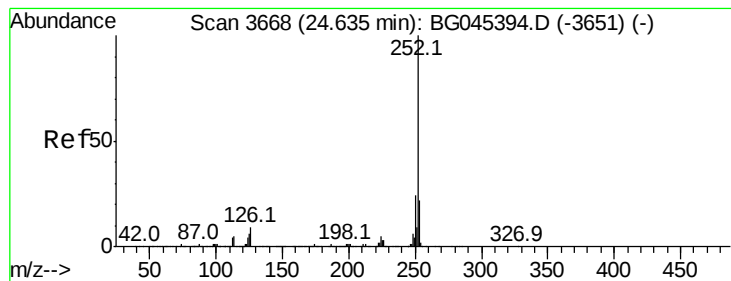


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.423 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045500.D

Acq: 28 May 2020 16:53

Instrument :

BNA_G

ClientSampleId :

RAMP-A-INFELD-1

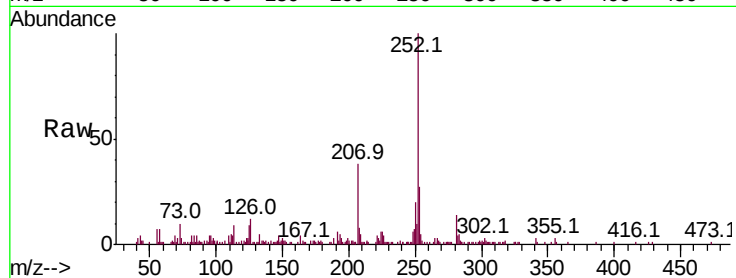
Tot Ion:252 Resp: 61669

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

125 9.0 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

