

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045485.D
 Acq On : 27 May 2020 20:59
 Operator : CG/JU
 Sample : L2746-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:44:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	112430	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	459494	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	309934	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	653519	20.00	ng	0.00
76) Chrysene-d12	21.61	240	565855	20.00	ng	0.00
87) Perylene-d12	24.76	264	615241	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	510635	88.76	ng	0.00
7) Phenol-d6	7.17	99	769602	93.99	ng	0.00
23) Nitrobenzene-d5	9.12	82	558533	66.29	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	372782	94.05	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1269000	69.45	ng	0.00
79) Terphenyl-d14	19.97	244	1675239	69.05	ng	0.00

Target Compounds

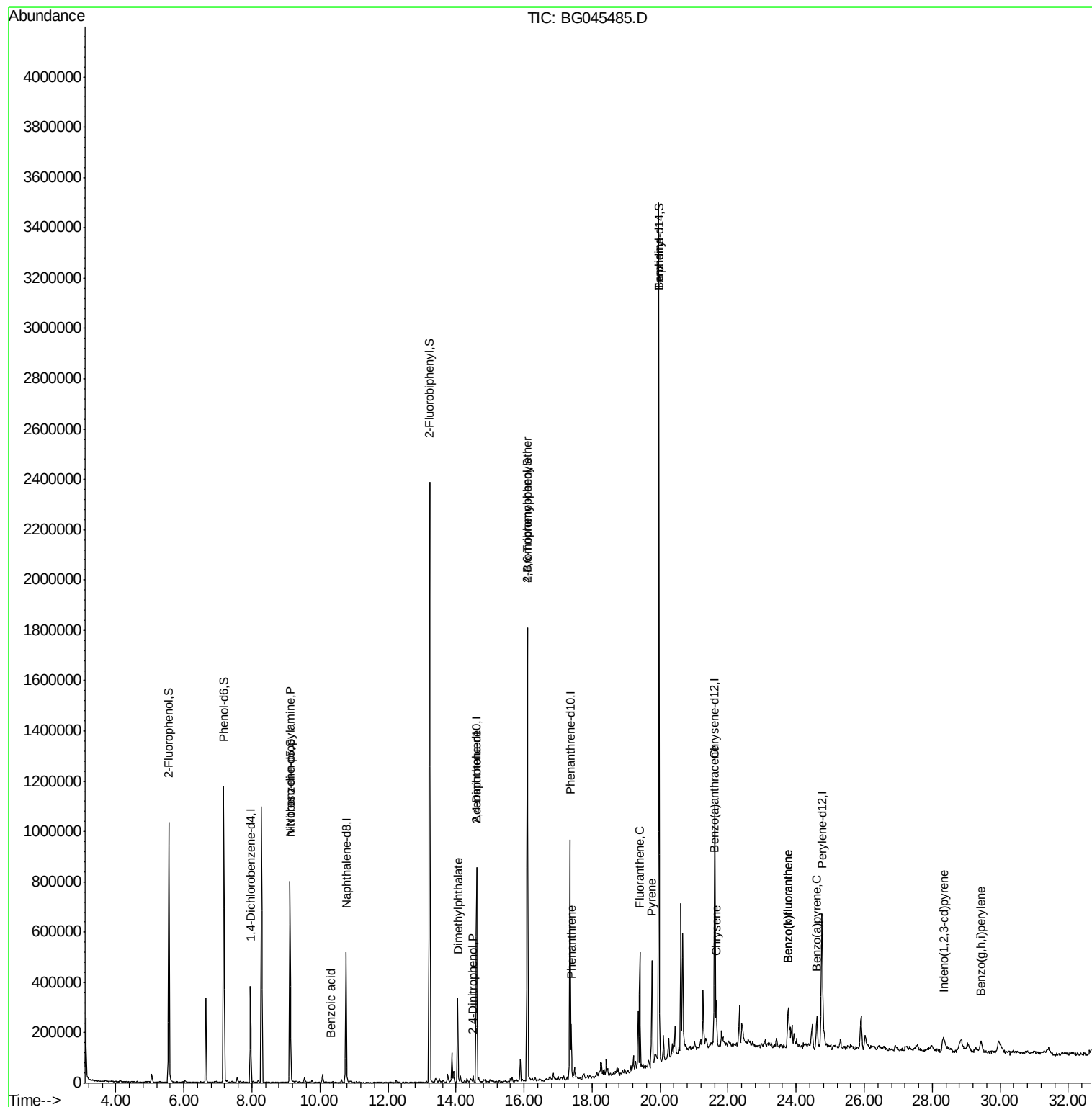
						Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	75379	13.313	ng	# 80
32) Benzoic acid	10.32	122	60	10.035	ng	89
50) Dimethylphthalate	14.05	163	224962	10.581	ng	98
54) 2,4-Dinitrophenol	14.49	184	58	5.476	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	41099	5.915	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	25597	3.617	ng	# 1
71) Phenanthrene	17.39	178	141726	4.968	ng	97
75) Fluoranthene	19.40	202	299503	8.253	ng	98
77) Benzidine	19.97	184	32771	2.062	ng	# 88
78) Pyrene	19.76	202	277658	8.608	ng	98
81) Benzo(a)anthracene	21.59	228	152016	4.823	ng	98
83) Chrysene	21.65	228	131031	4.323	ng	95
86) Indeno(1,2,3-cd)pyrene	28.33	276	102413	2.584	ng	98
88) Benzo(b)fluoranthene	23.77	252	201801	6.116	ng	# 98
89) Benzo(k)fluoranthene	23.77	252	201801	6.510	ng	98
90) Benzo(a)pyrene	24.60	252	150937	4.912	ng	97
92) Benzo(a,h,i)perylene	29.43	276	97968	3.172	ng	97

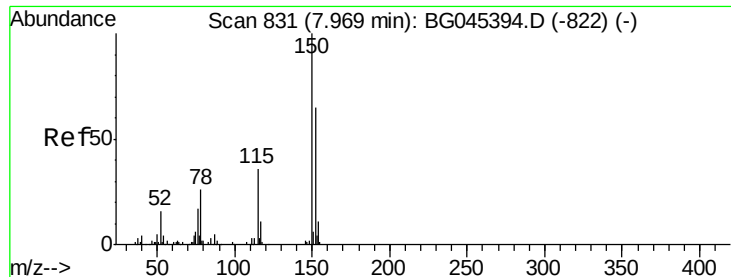
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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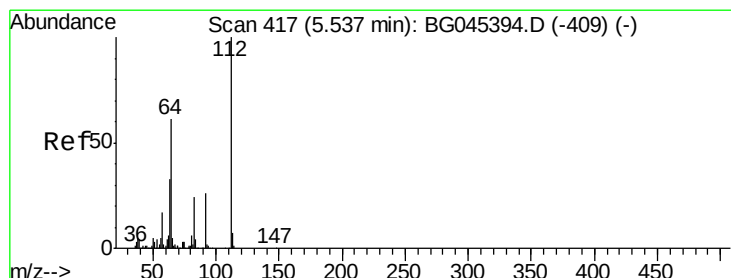
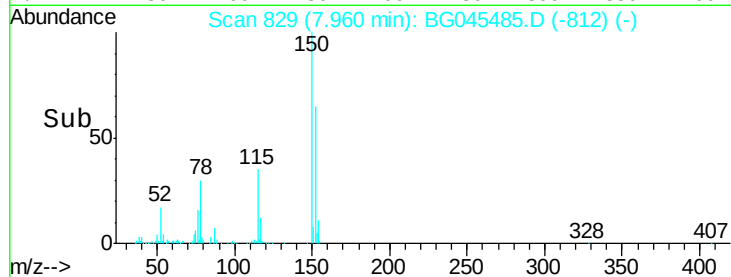
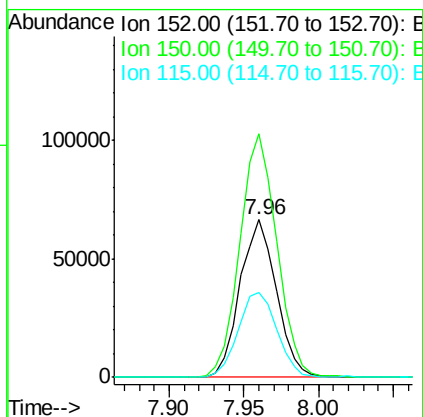
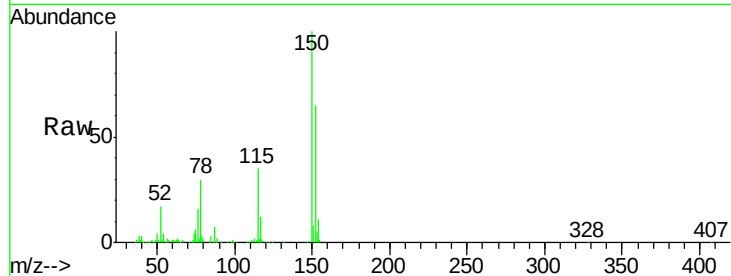


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Instrument :
BNA_G
ClientSampleId :

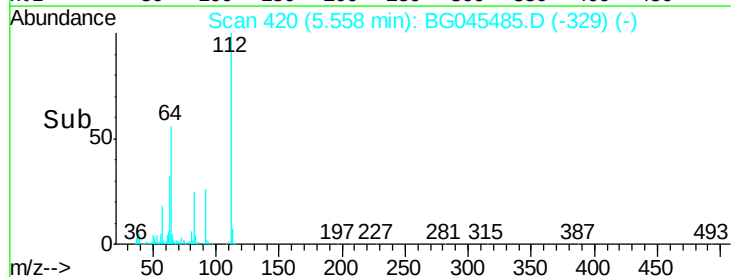
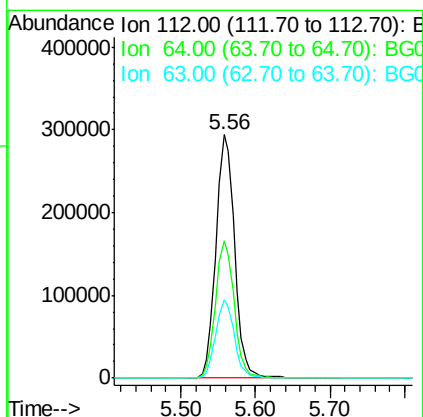
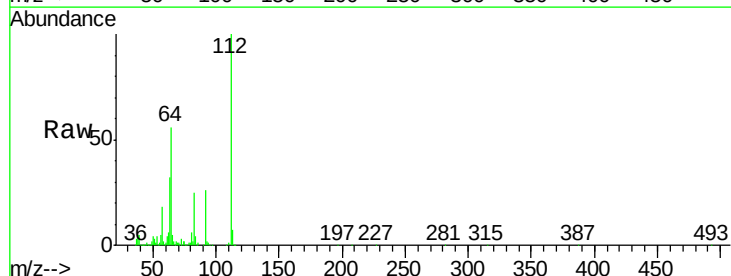
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.4	183.6
115	54.2	44.2	66.4

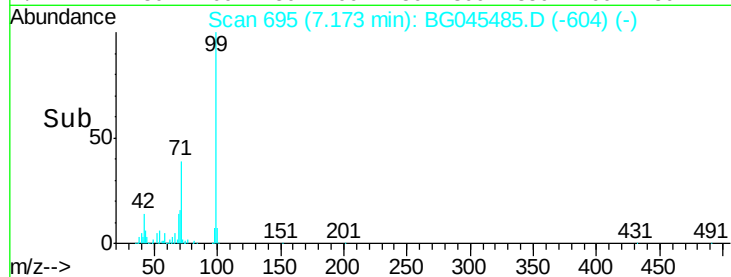
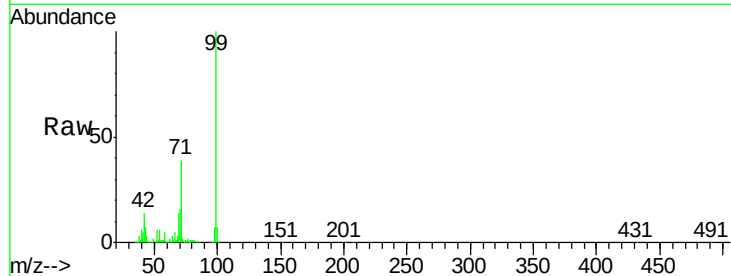
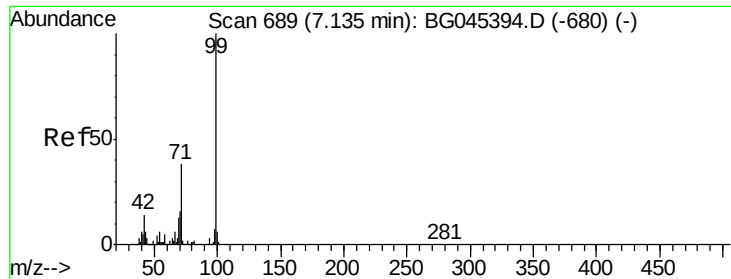


#5

2-Fluorophenol
Concen: 88.760 ng
RT: 5.56 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	48.6	72.8
63	32.1	26.5	39.7





#7

Phenol-d6

Concen: 93.989 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampled :

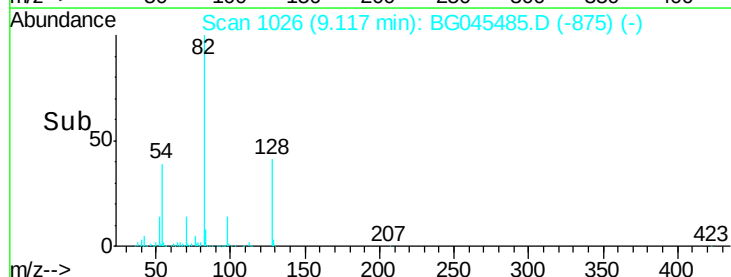
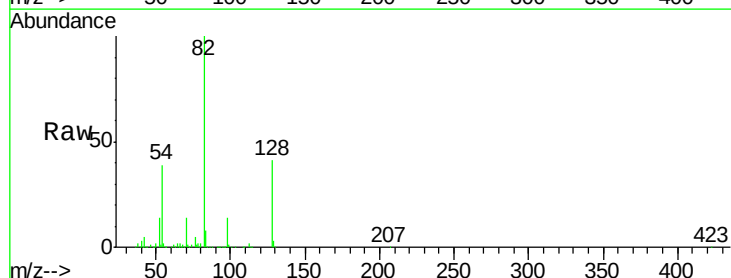
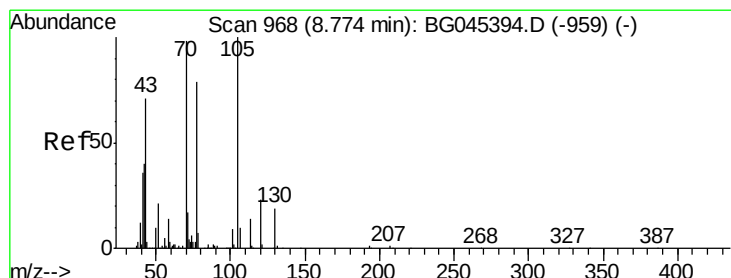
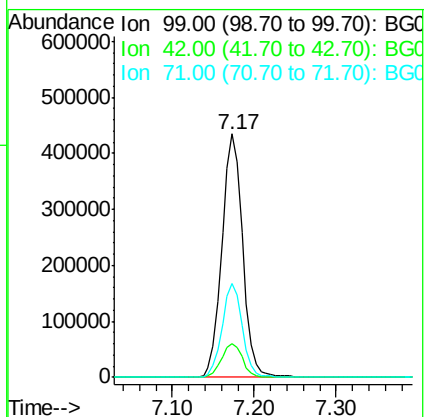
Tot Ion: 99 Resp: 769602

Ion Ratio Lower Upper

99 100

42 14.0 11.3 16.9

71 38.8 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.313 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Tgt Ion: 70 Resp: 75379

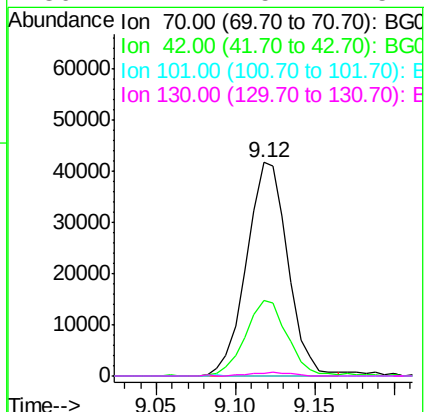
Ion Ratio Lower Upper

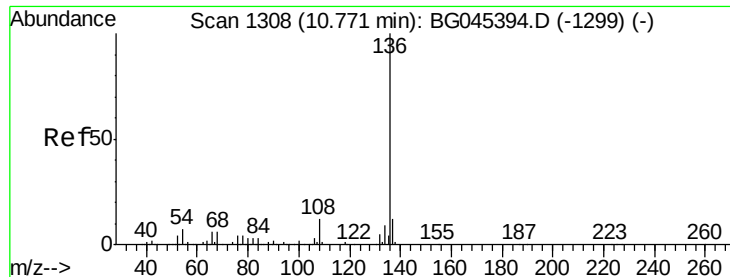
70 100

42 35.6 33.2 49.8

101 0.0 7.8 11.6#

130 1.4 15.4 23.2#

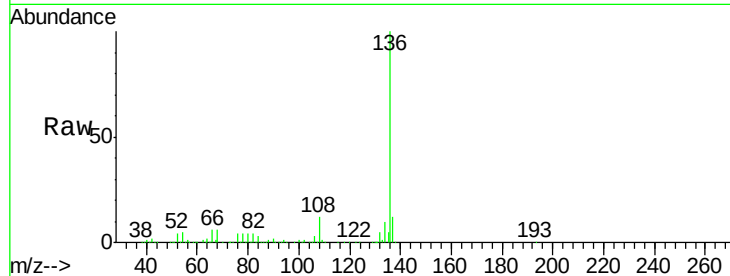




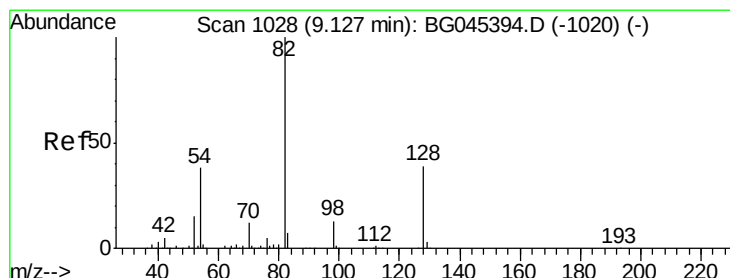
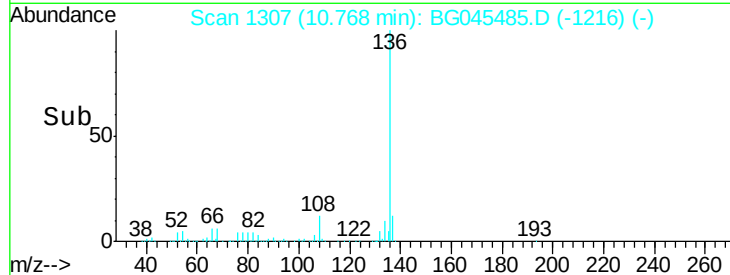
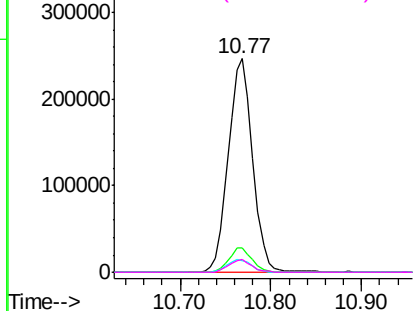
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	459494	
Ion Ratio	Lower	Upper	
136 100			
137 11.5	9.4	14.2	
54 5.4	5.8	8.6#	
68 5.8	4.5	6.7	

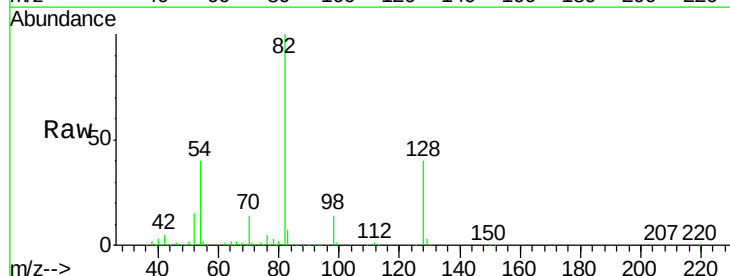


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

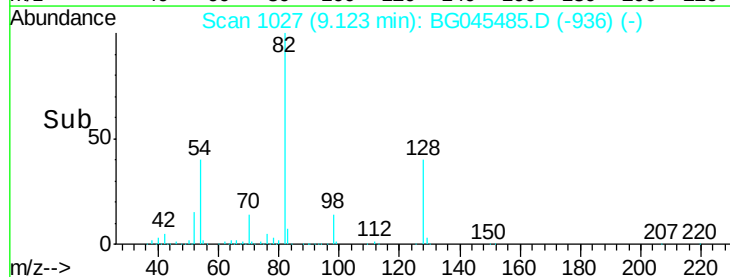
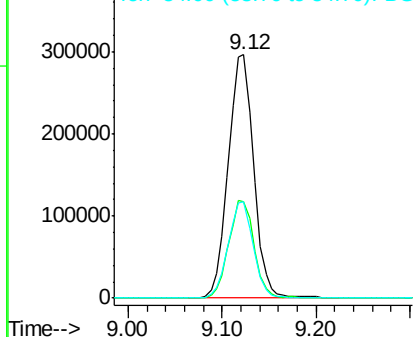


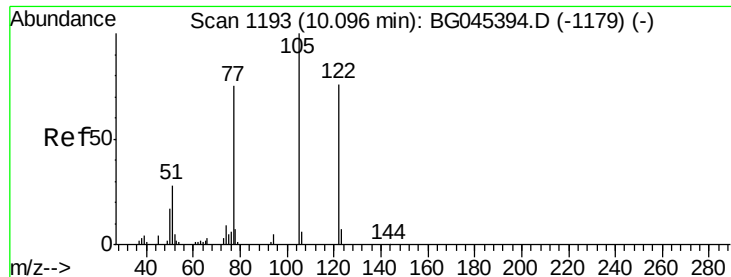
#23
Nitrobenzene-d5
Concen: 66.285 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Tgt Ion: 82	Resp: 558533
Ion Ratio	Lower Upper
82 100	
128 39.8	30.9 46.3
54 39.7	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

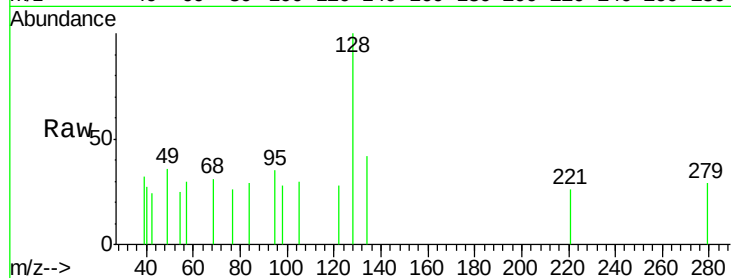




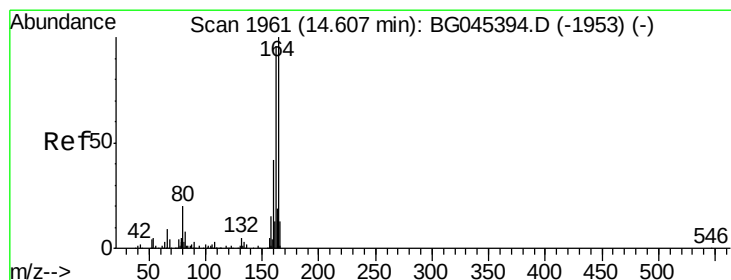
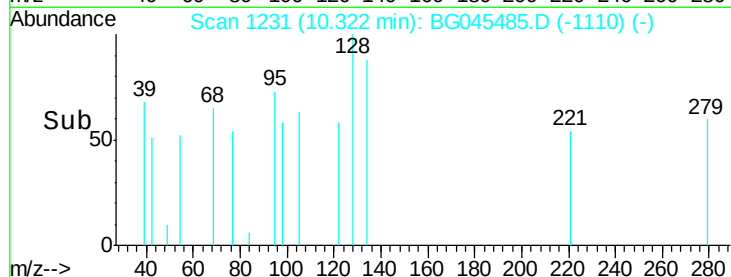
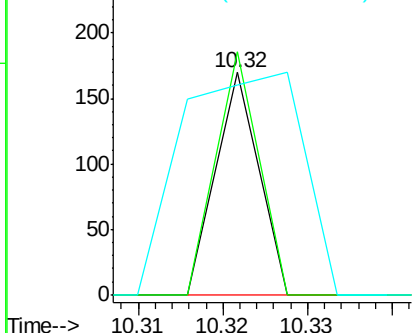
#32
Benzoic acid
Concen: 10.035 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.18 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 109.4 107.9 147.9
77 94.1 78.9 118.9

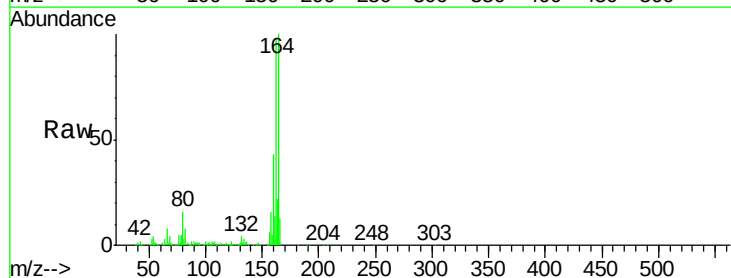


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

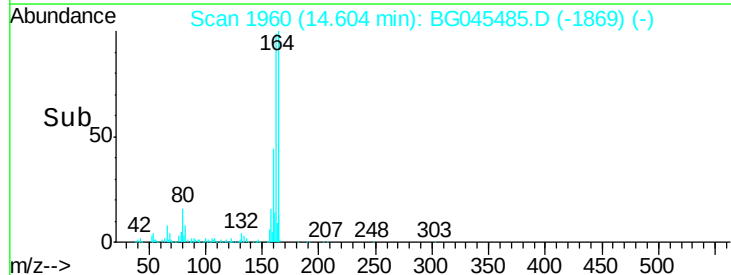
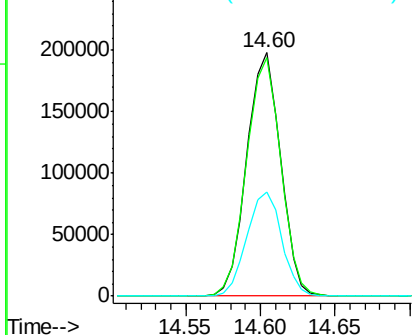


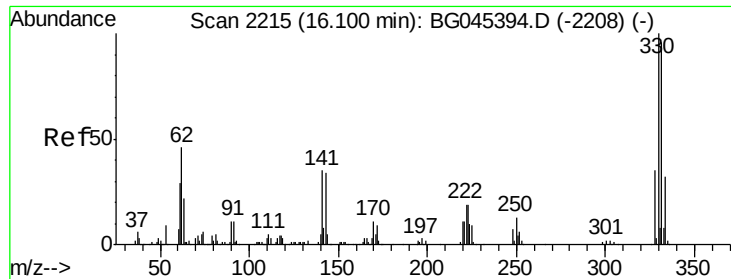
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG045485.D
Acq: 27 May 2020 20:59

Tgt Ion:164 Resp: 309934
Ion Ratio Lower Upper
164 100
162 97.7 76.9 115.3
160 42.9 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

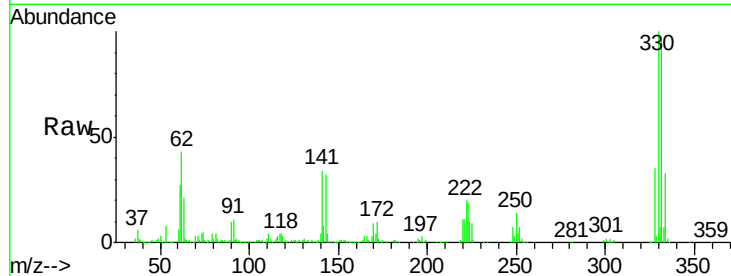




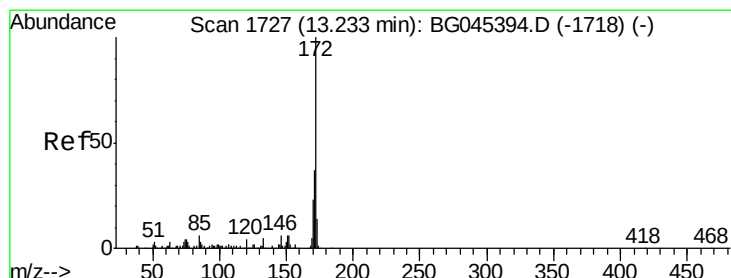
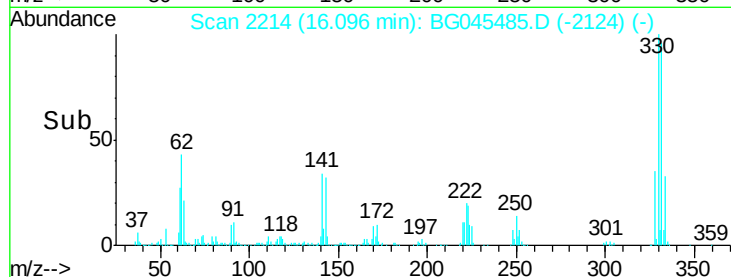
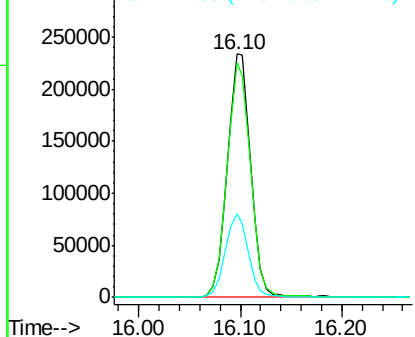
#42
 2,4,6-Tribromophenol
 Concen: 94.049 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 372782
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.2 117.4
 141 33.6 28.2 42.4

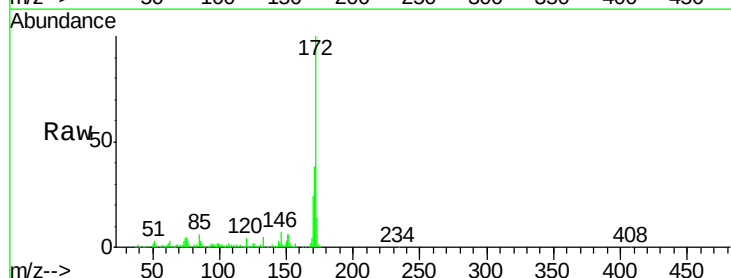


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

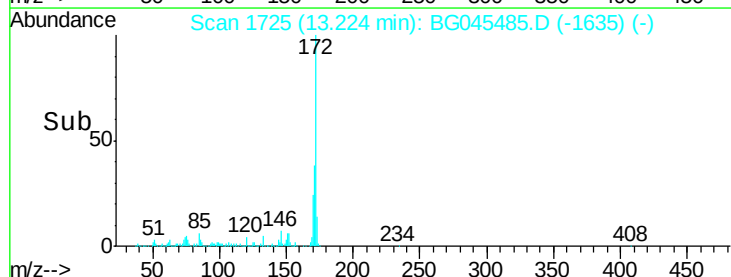
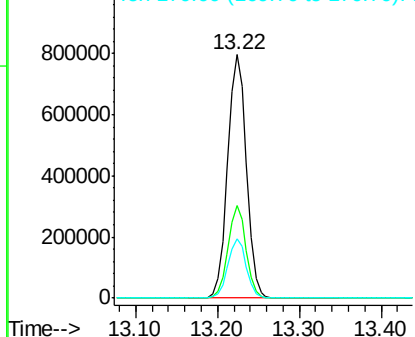


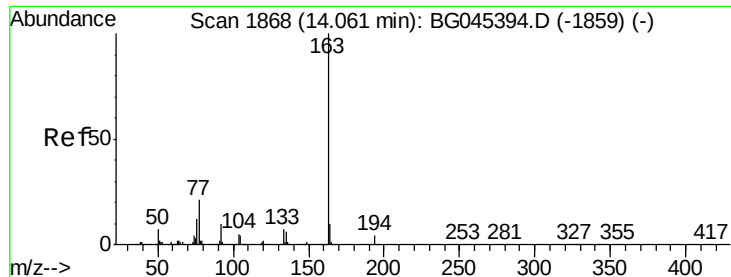
#45
 2-Fluorobiphenyl
 Concen: 69.450 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

Tgt Ion:172 Resp: 1269000
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.5 44.3
 170 24.3 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: 10.581 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

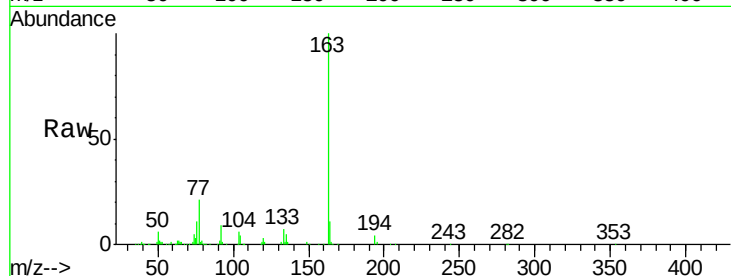
Tot Ion:163 Resp: 224962

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

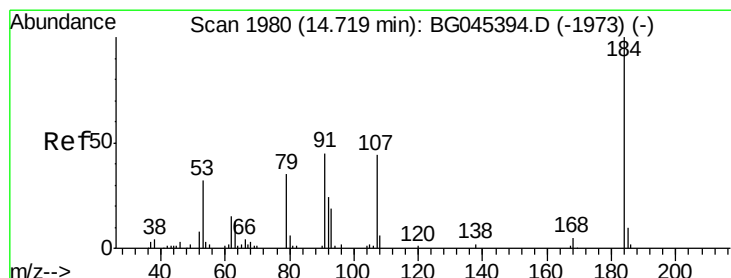
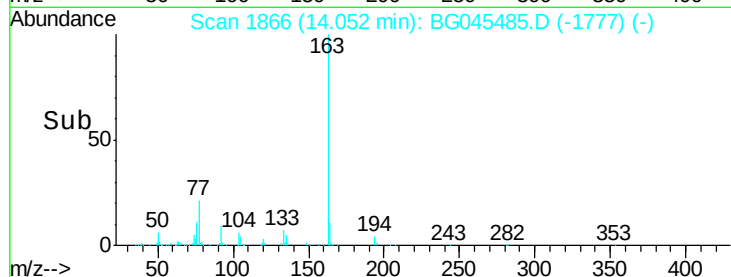
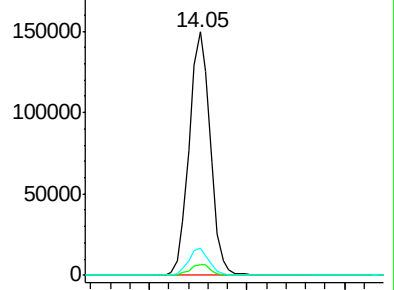
164 11.4 8.3 12.5



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: 5.476 ng

RT: 14.49 min Scan# 1940

Delta R.T. -0.23 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

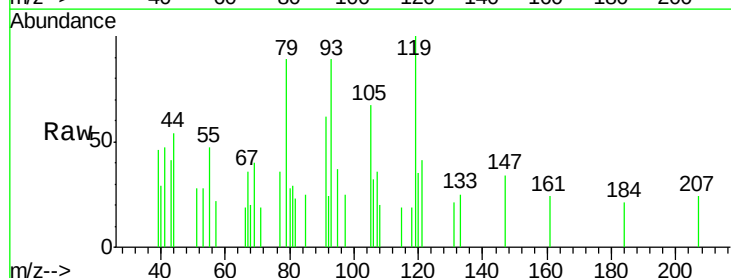
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

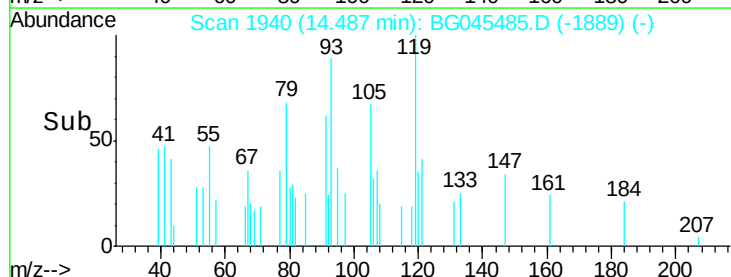
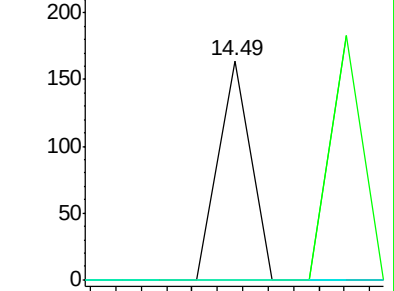
154 0.0 58.3 87.5#

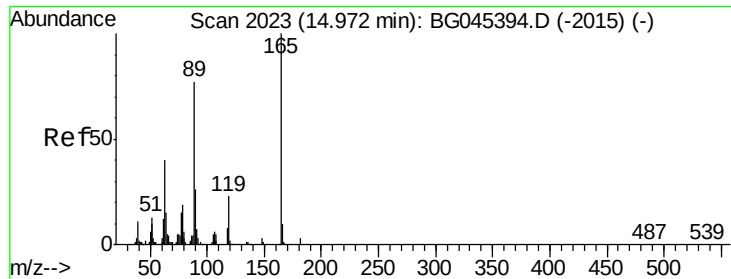


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

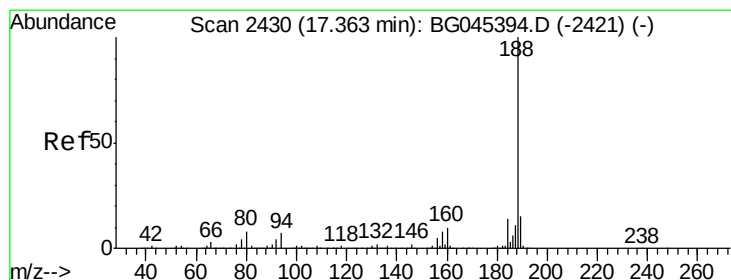
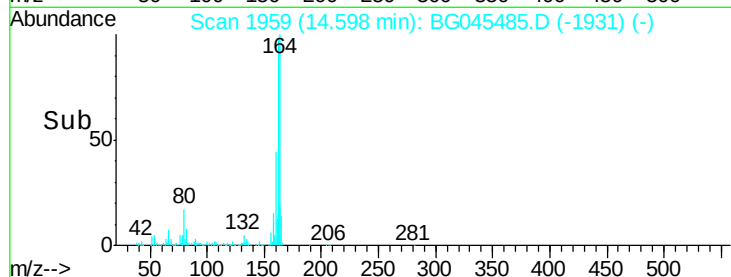
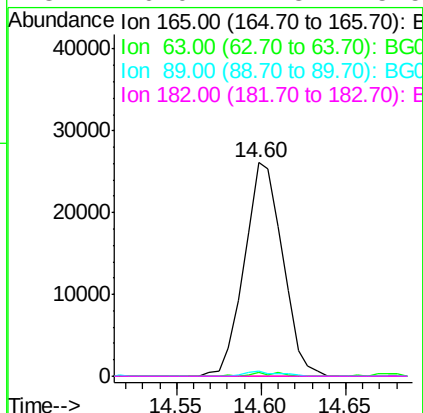
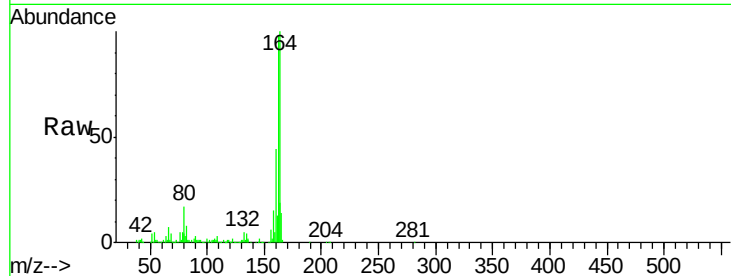




#57
 2,4-Dinitrotoluene
 Concen: 5.915 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.37 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

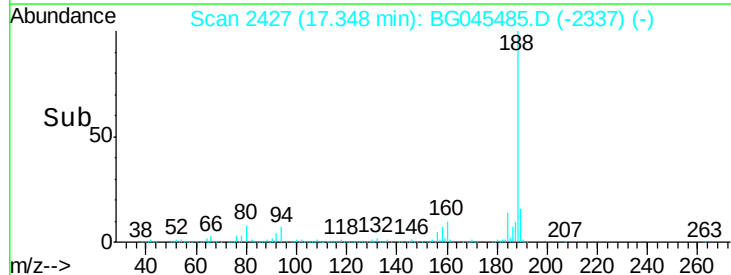
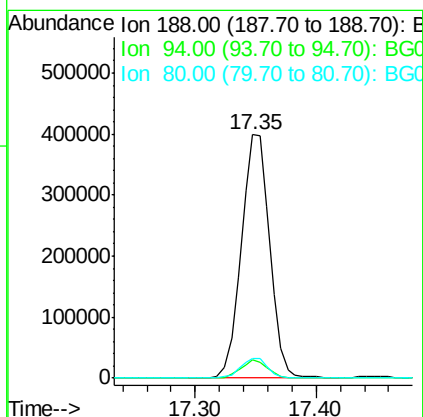
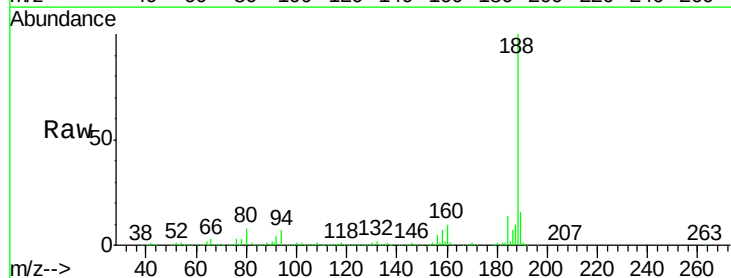
Instrument :
 BNA_G
 ClientSampleId :

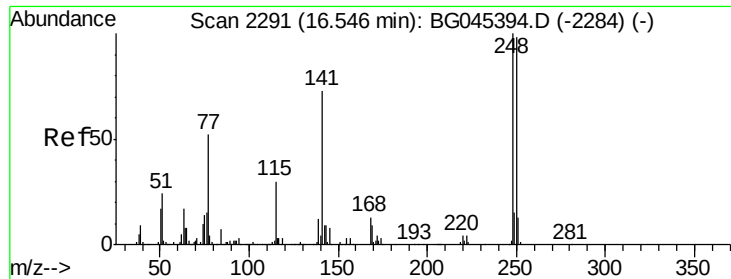
Tot Ion:165 Resp: 41099
 Ion Ratio Lower Upper
 165 100
 63 2.0 32.5 48.7#
 89 2.5 61.8 92.6#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

Tgt Ion:188 Resp: 653519
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.5 8.3
 80 8.3 6.6 10.0

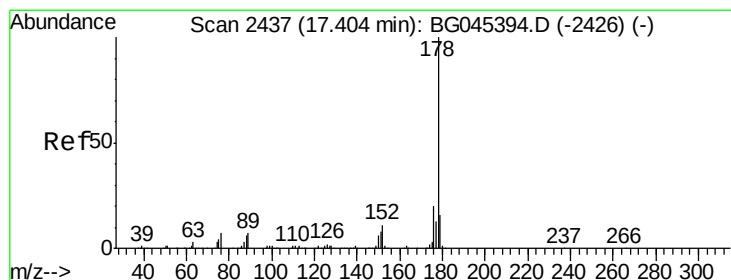
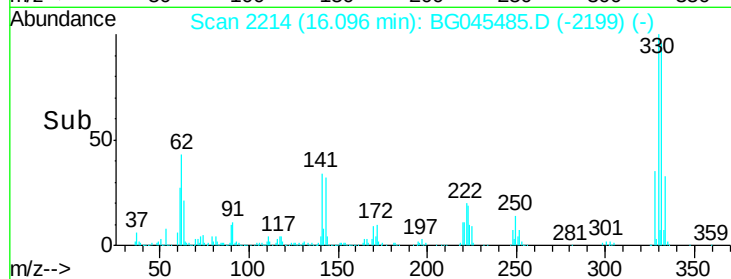
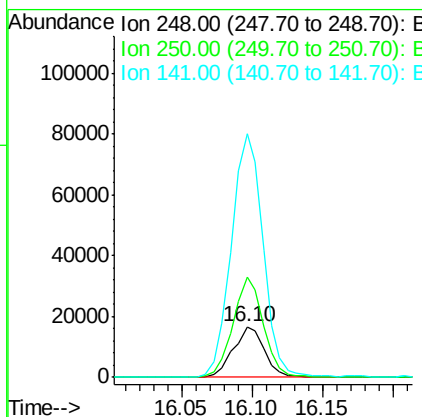
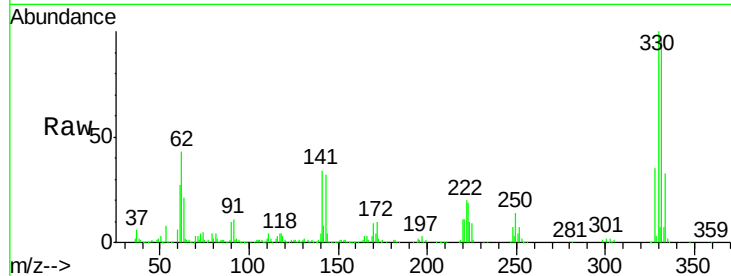




#67
 4-Bromophenyl-phenylether
 Concen: 3.617 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

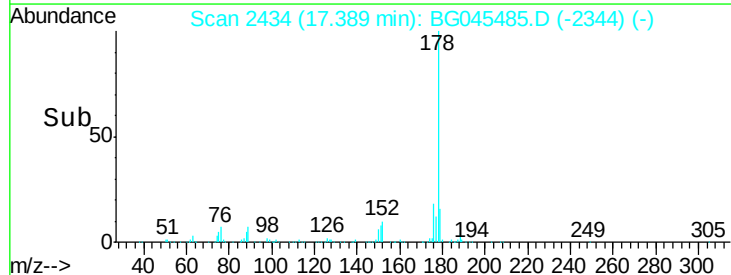
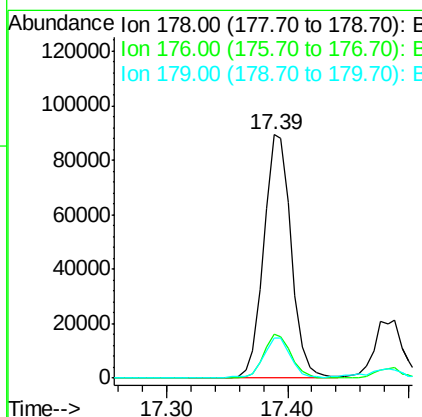
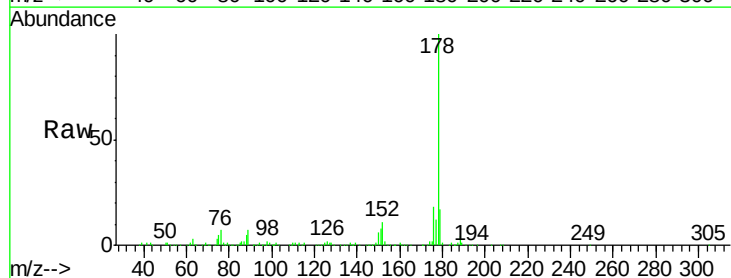
Instrument :
 BNA_G
 ClientSampled :

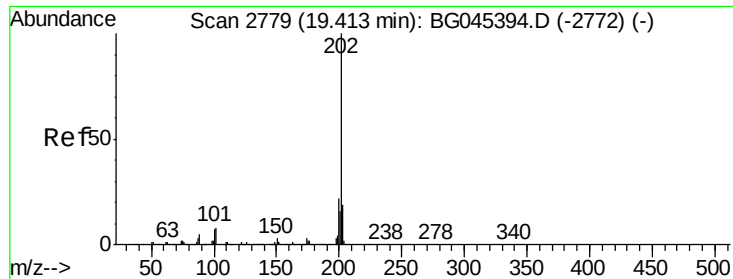
Tot Ion:248 Resp: 25597
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.6 117.8#
 141 477.7 58.2 87.2#



#71
 Phenanthrene
 Concen: 4.968 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG045485.D
 Acq: 27 May 2020 20:59

Tgt Ion:178 Resp: 141726
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.4
 179 16.6 13.1 19.7





#75

Fluoranthene

Concen: 8.253 ng

RT: 19.40 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampled :

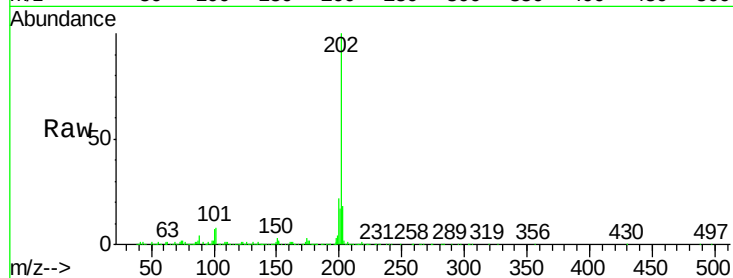
Tot Ion:202 Resp: 299503

Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.3

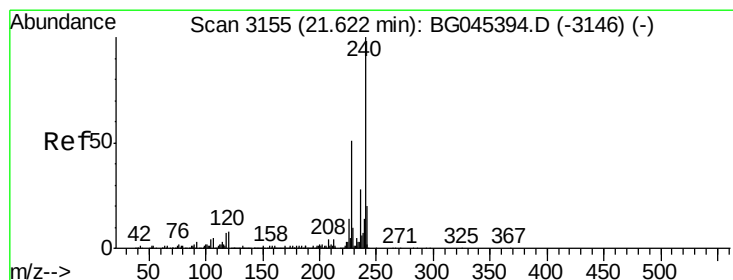
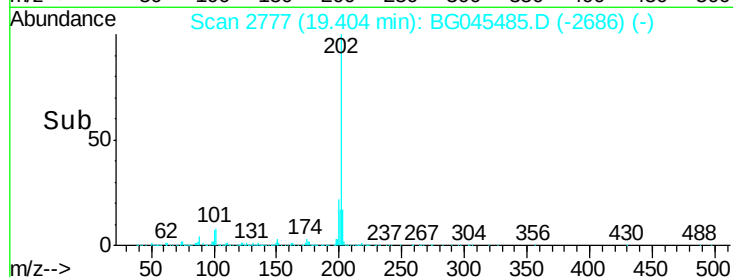
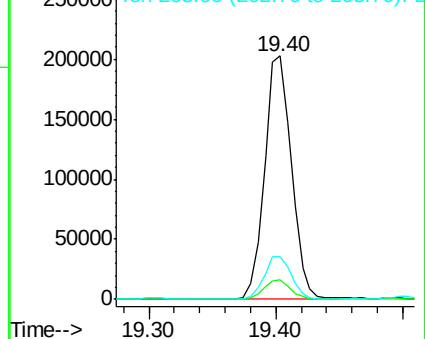
203 17.6 0.0 39.0



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: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

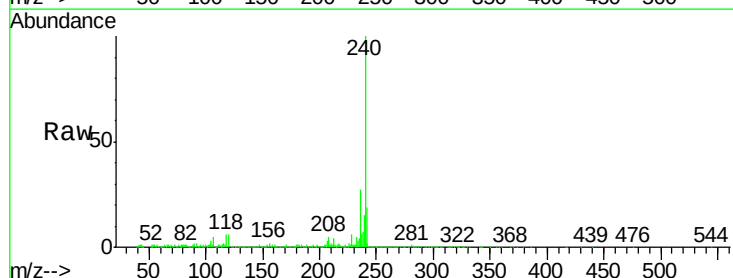
Tgt Ion:240 Resp: 565855

Ion Ratio Lower Upper

240 100

120 6.3 6.1 9.1

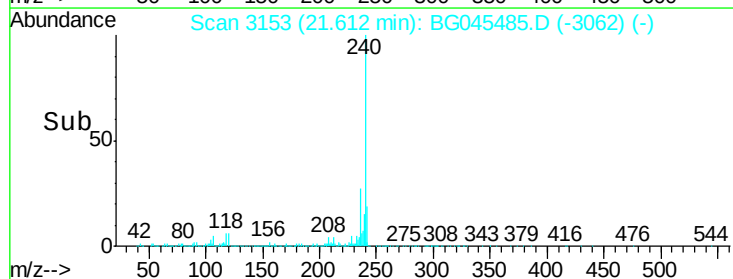
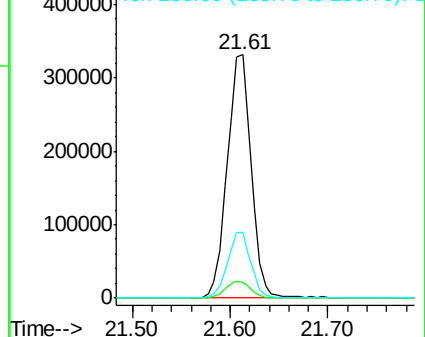
236 26.8 22.3 33.5

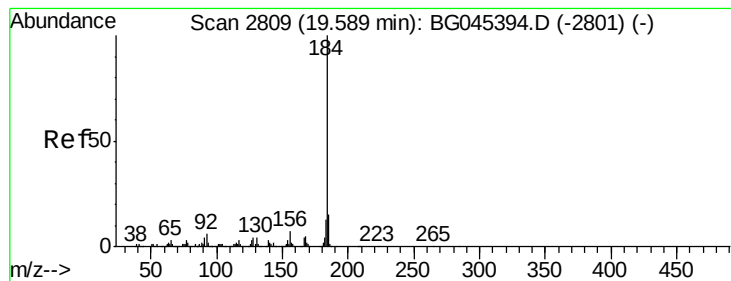


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.062 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

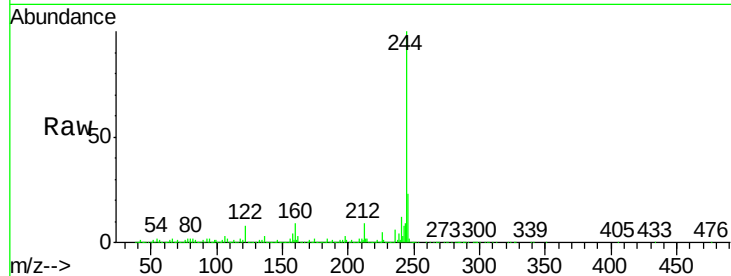
Tot Ion:184 Resp: 32771

Ion Ratio Lower Upper

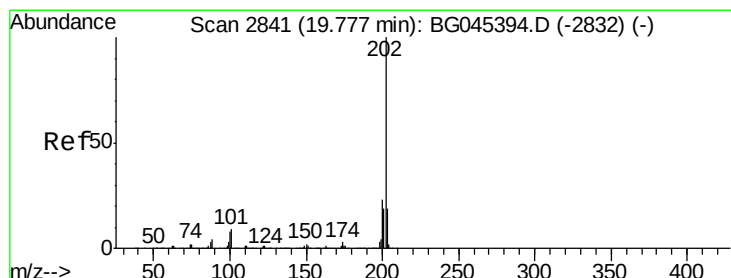
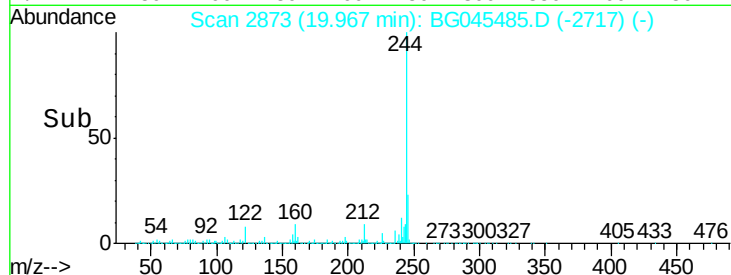
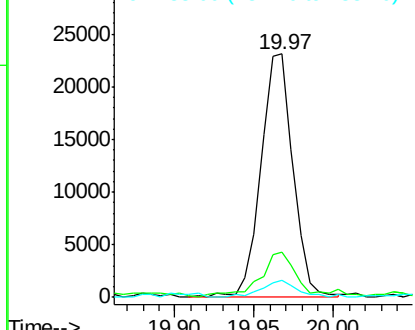
184 100

185 18.3 11.7 17.5#

183 7.0 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

Pyrene

Concen: 8.608 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

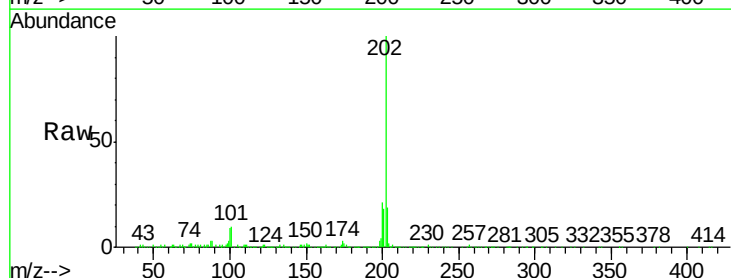
Tgt Ion:202 Resp: 277658

Ion Ratio Lower Upper

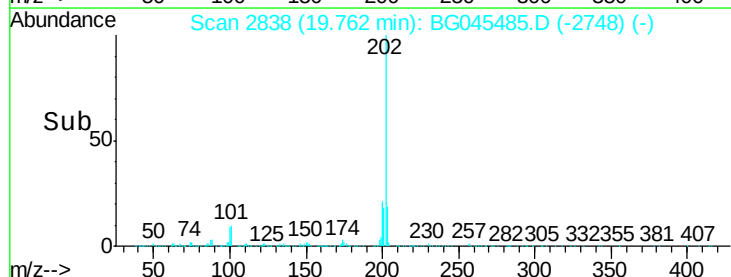
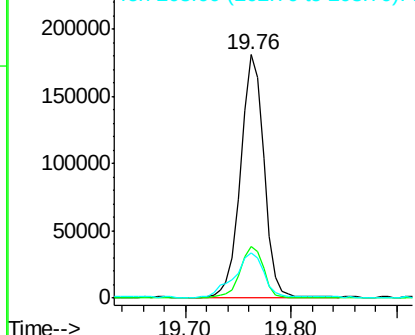
202 100

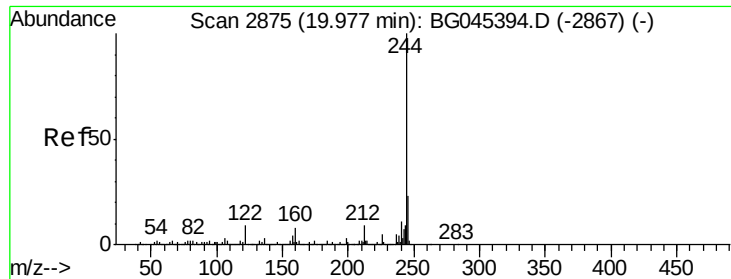
200 21.1 18.2 27.2

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: 69.049 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

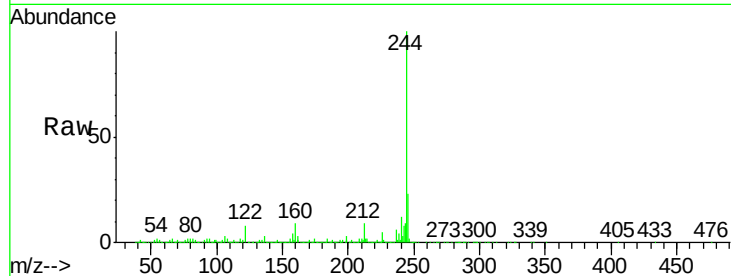
Tot Ion:244 Resp: 1675239

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

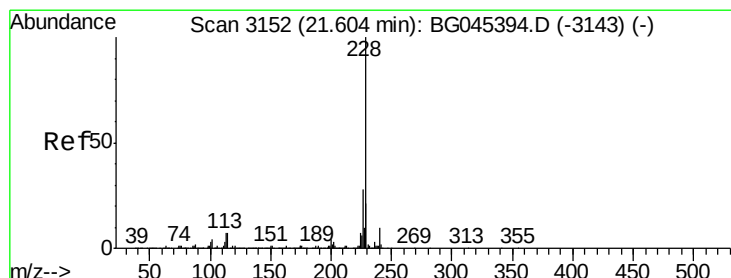
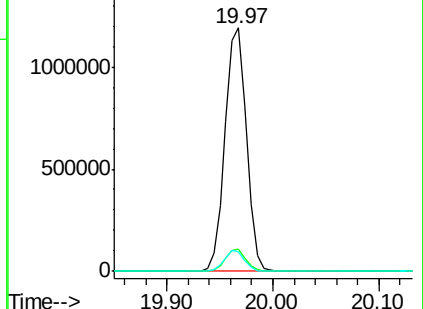
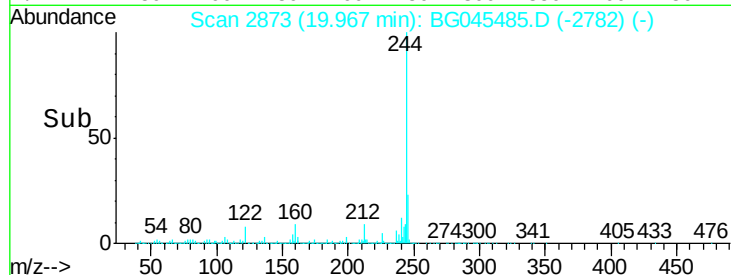
122 7.9 6.8 10.2



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: 4.823 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

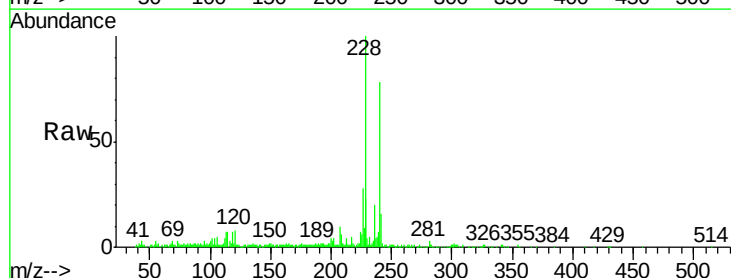
Tgt Ion:228 Resp: 152016

Ion Ratio Lower Upper

228 100

226 27.8 22.7 34.1

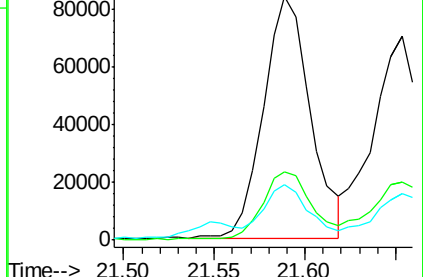
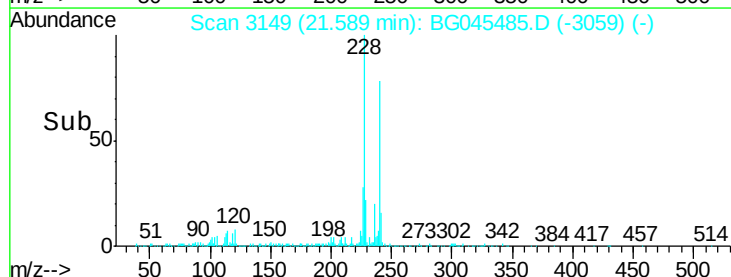
229 22.6 16.7 25.1

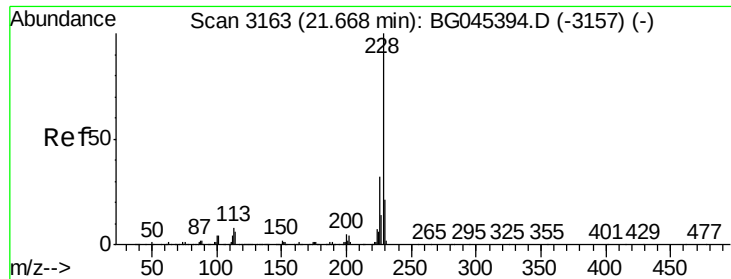


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.323 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

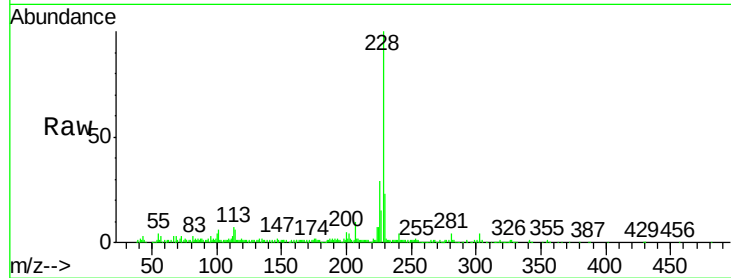
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 131031

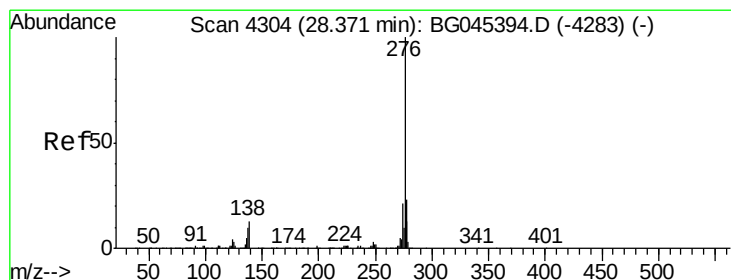
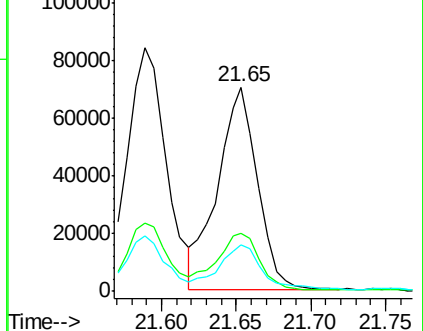
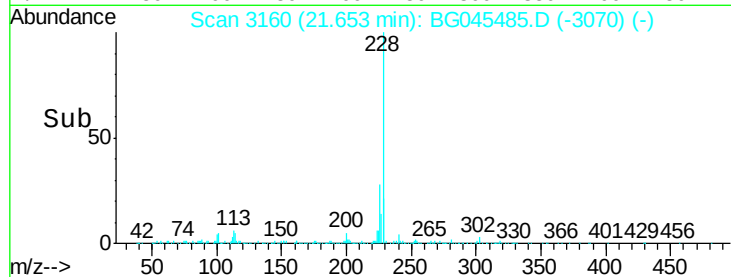
Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.2	37.8
229	22.6	16.7	25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.584 ng

RT: 28.33 min Scan# 4297

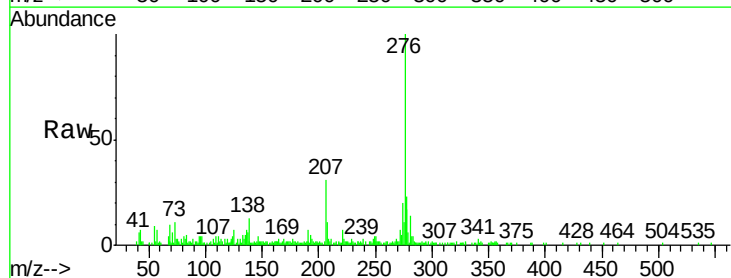
Delta R.T. 0.01 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Tgt Ion:276 Resp: 102413

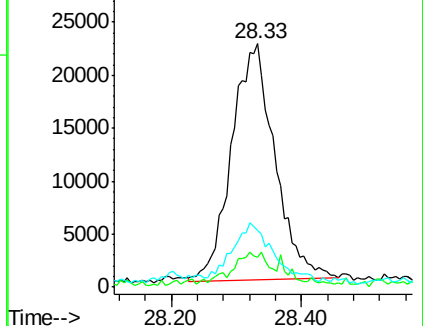
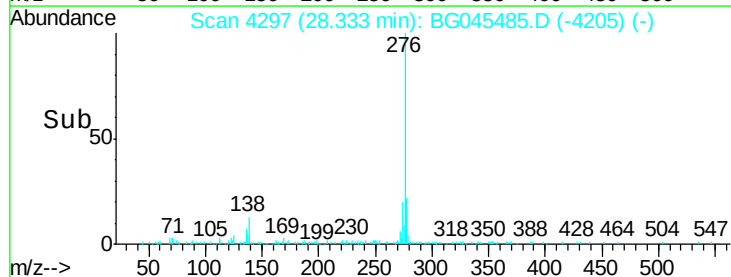
Ion	Ratio	Lower	Upper
276	100		
138	9.0	8.6	12.8
277	25.1	20.2	30.4

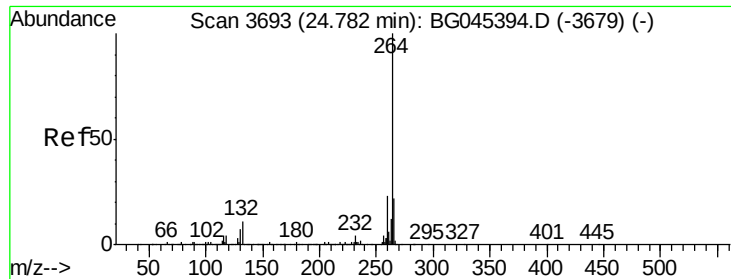


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045485.D

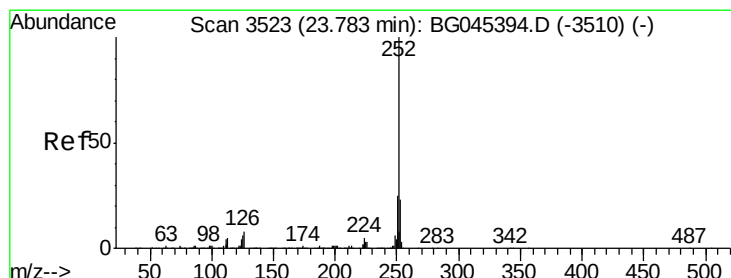
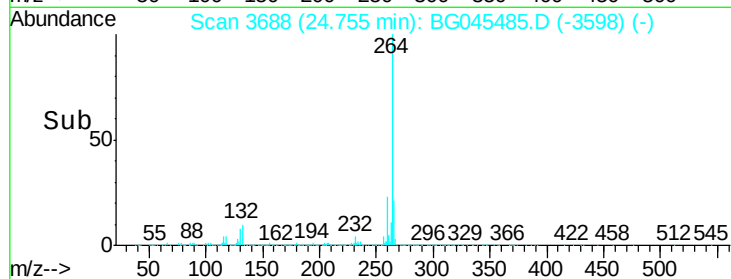
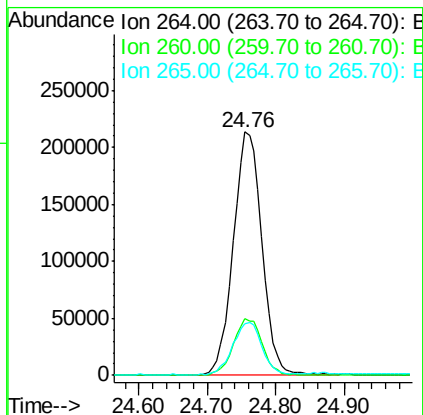
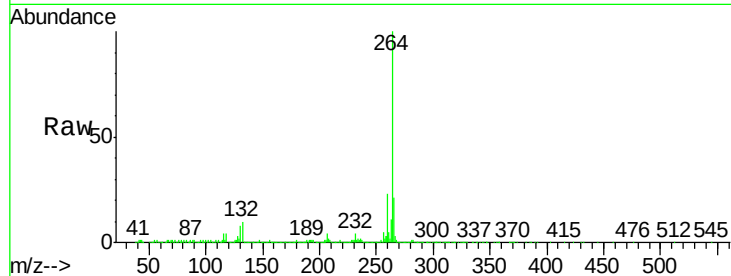
Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264	Resp: 615241
Ion Ratio	Lower Upper
264 100	
260 23.2	18.2 27.4
265 21.1	17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 6.116 ng

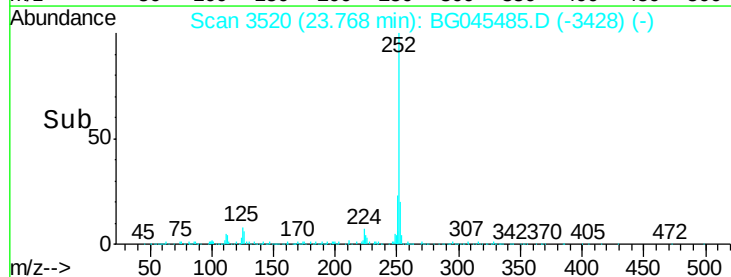
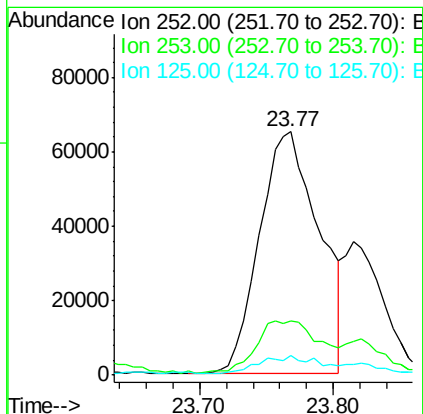
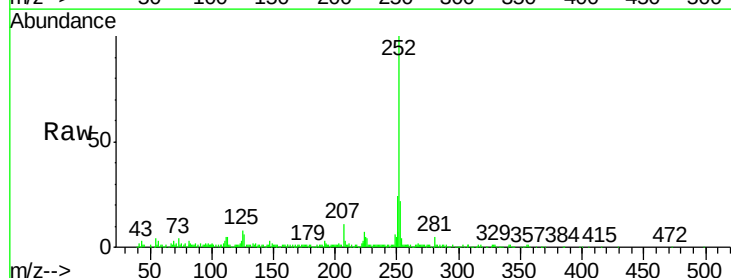
RT: 23.77 min Scan# 3520

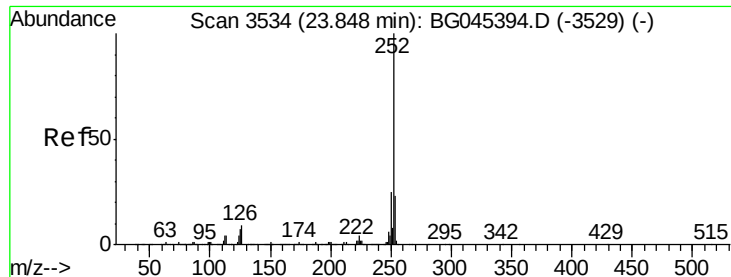
Delta R.T. 0.01 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Tgt	Ion:252	Resp:	201801
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	8.0	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 6.510 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

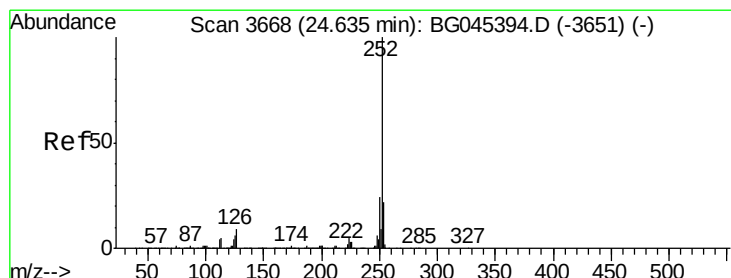
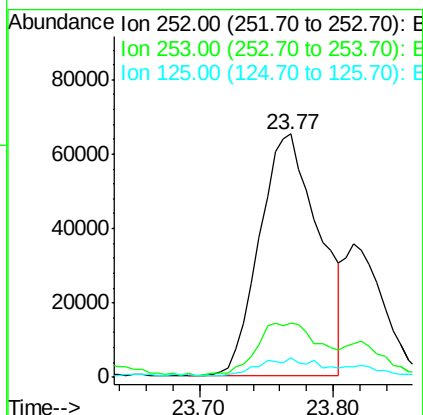
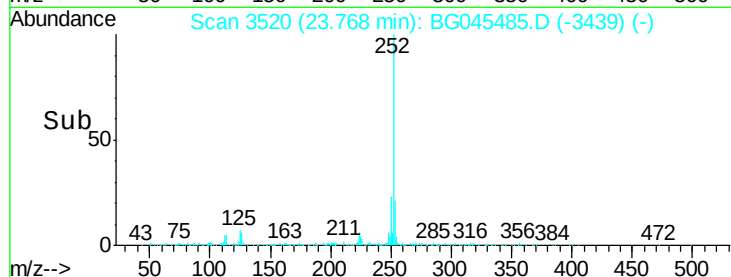
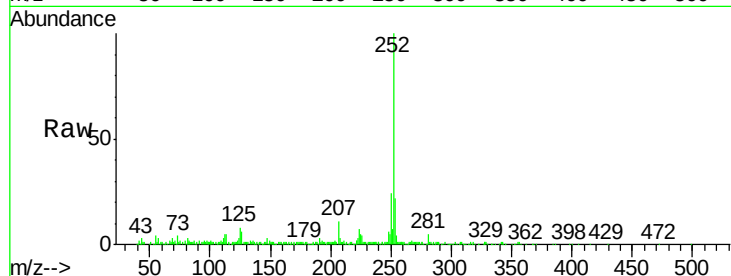
Tot Ion:252 Resp: 201801

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

125 8.0 5.7 8.5



#90

Benzo(a)pyrene

Concen: 4.912 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

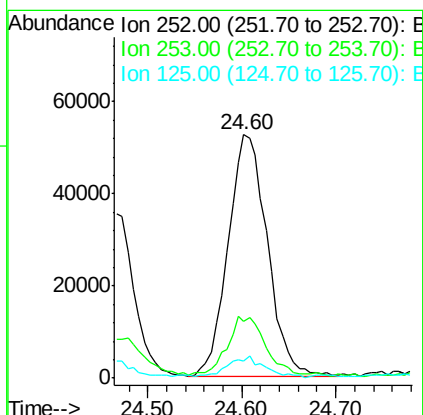
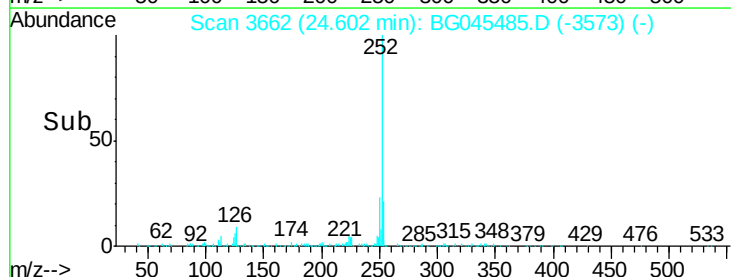
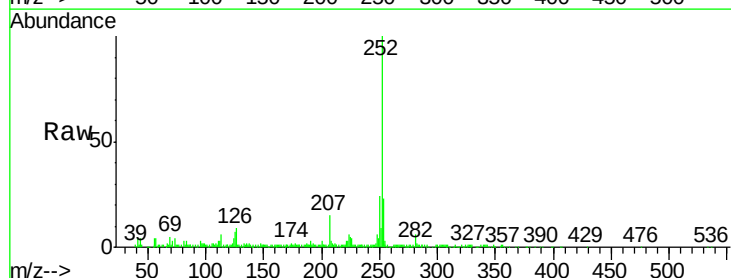
Tgt Ion:252 Resp: 150937

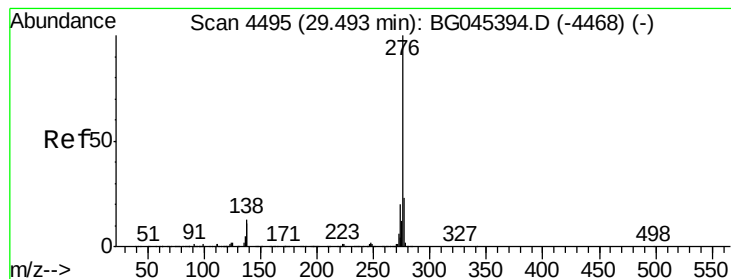
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 6.8 5.0 7.6





#92

Benzo(a,h,i)perylene

Concen: 3.172 ng

RT: 29.43 min Scan# 4484

Delta R.T. -0.02 min

Lab File: BG045485.D

Acq: 27 May 2020 20:59

Instrument :

BNA_G

ClientSampleId :

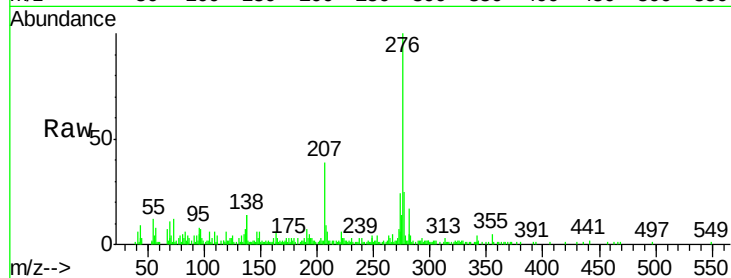
Tot Ion:276 Resp: 97968

Ion Ratio Lower Upper

276 100

277 24.5 18.1 27.1

138 13.7 10.2 15.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

