

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044504.D
 Acq On : 20 Feb 2020 00:39
 Operator : CG/JU
 Sample : L1547-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 07:19:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	59573	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	237518	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	155827	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	376075	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	380977	20.00	ng	-0.02
87) Perylene-d12	24.60	264	401388	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	407726	120.79	ng	-0.01
7) Phenol-d6	7.06	99	516509	113.95	ng	-0.01
23) Nitrobenzene-d5	9.04	82	309497	73.57	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	232619	127.16	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	716319	76.98	ng	-0.01
79) Terphenyl-d14	19.89	244	1201796	64.88	ng	-0.01

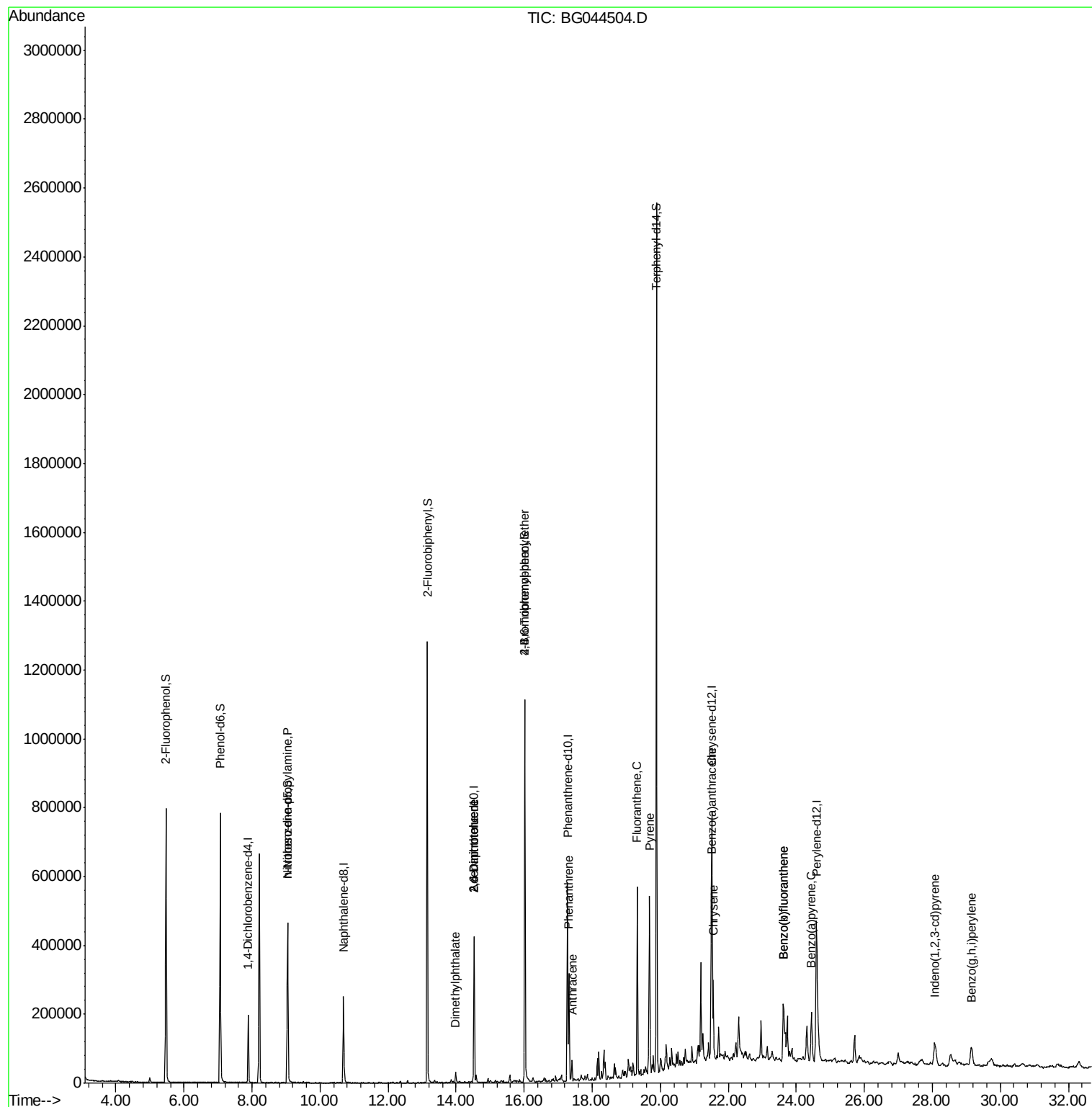
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.04	70	39165	12.965	ng	# 76
50) Dimethylphthalate	13.99	163	26511	2.367	ng	# 97
51) 2,6-Dinitrotoluene	14.53	165	20646	8.267	ng	# 31
57) 2,4-Dinitrotoluene	14.53	165	20646	5.898	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	15426	3.765	ng	# 1
71) Phenanthrene	17.32	178	211532	11.616	ng	96
72) Anthracene	17.41	178	40839	2.268	ng	95
75) Fluoranthene	19.33	202	332625	15.789	ng	97
78) Pyrene	19.69	202	329887	13.483	ng	94
81) Benzo(a)anthracene	21.50	228	164620	7.011	ng	96
83) Chrysene	21.56	228	154308	6.799	ng	94
86) Indeno(1,2,3-cd)pyrene	28.07	276	100321	3.388	ng	95
88) Benzo(b)fluoranthene	23.62	252	203972	8.819	ng	98
89) Benzo(k)fluoranthene	23.62	252	203972	9.048	ng	98
90) Benzo(a)pyrene	24.44	252	149249	6.825	ng	98
92) Benzo(g,h,i)perylene	29.15	276	106204	4.902	ng	97

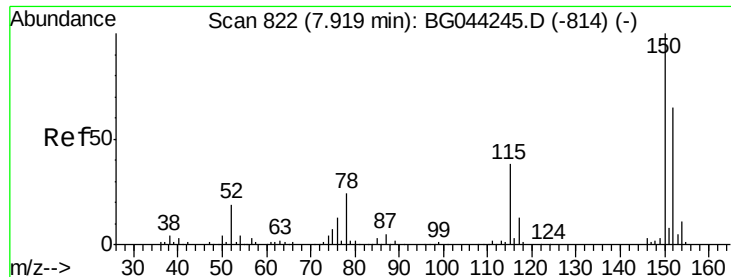
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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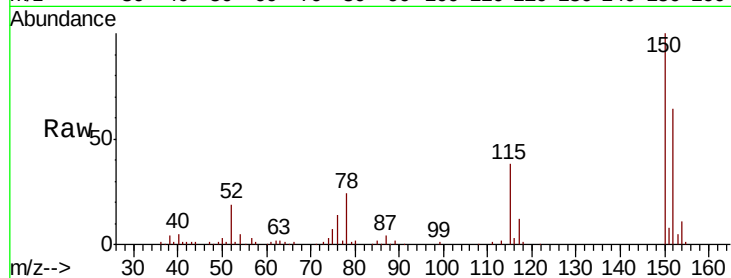


#1

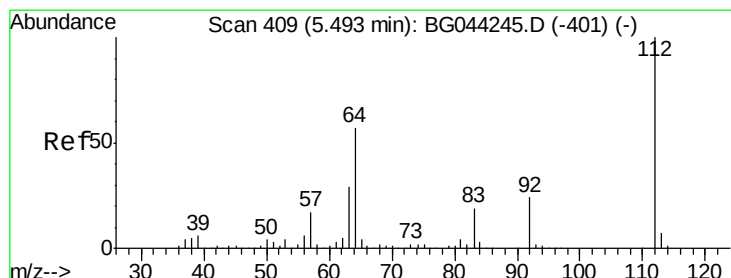
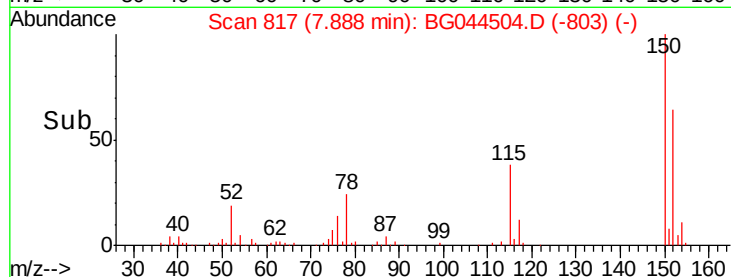
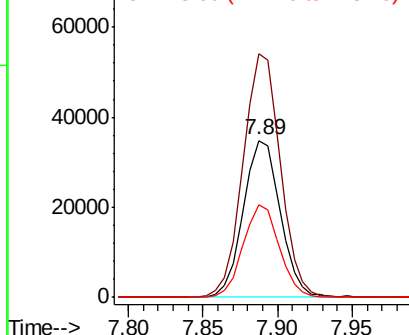
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 59573
 Ion Ratio Lower Upper
 152 100
 150 155.3 122.6 183.8
 115 58.7 46.0 69.0



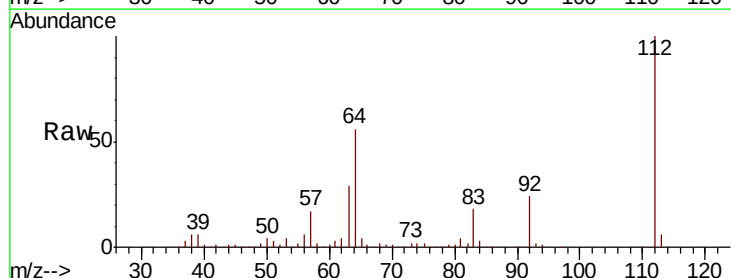
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



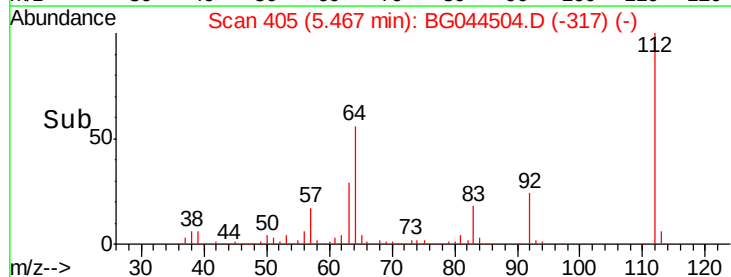
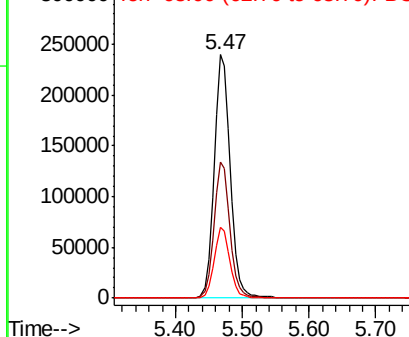
#5

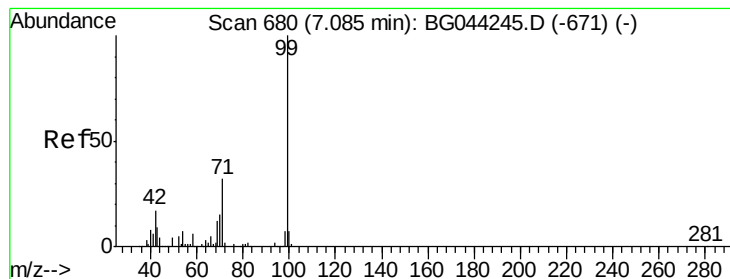
2-Fluorophenol
 Concen: 120.788 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

Tgt Ion:112 Resp: 407726
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.4 68.2
 63 28.8 22.9 34.3



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: 113.948 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

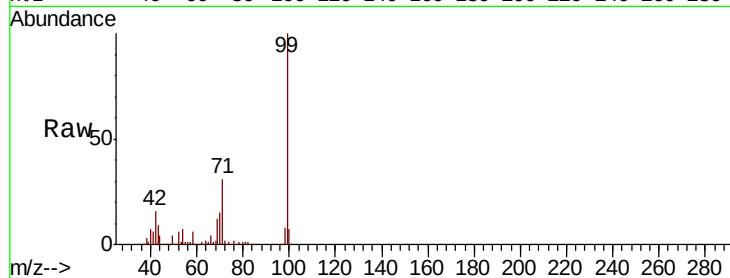
Tot Ion: 99 Resp: 516509

Ion Ratio Lower Upper

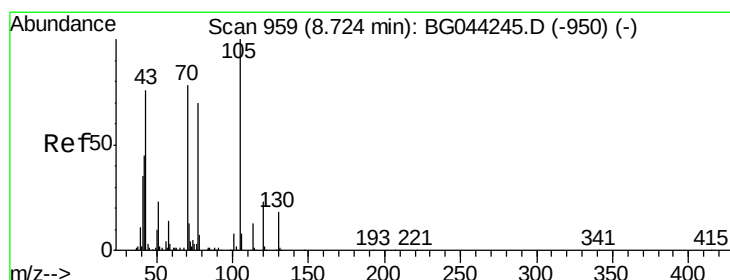
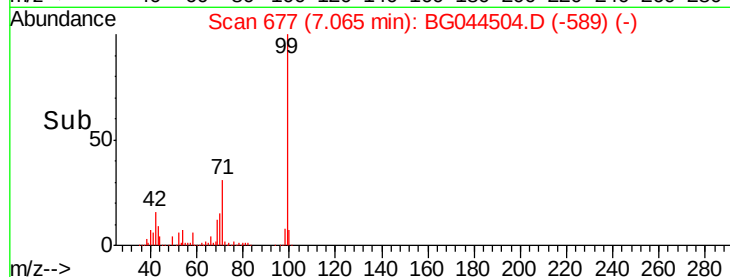
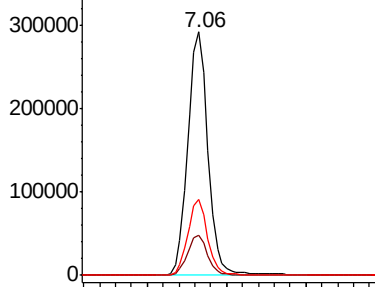
99 100

42 16.4 13.8 20.6

71 31.0 25.5 38.3



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: 12.965 ng

RT: 9.04 min Scan# 1014

Delta R.T. 0.33 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Tgt Ion: 70 Resp: 39165

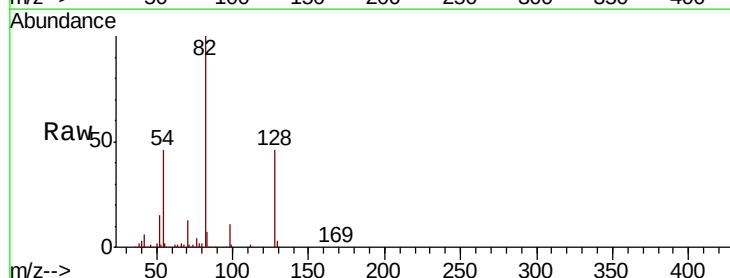
Ion Ratio Lower Upper

70 100

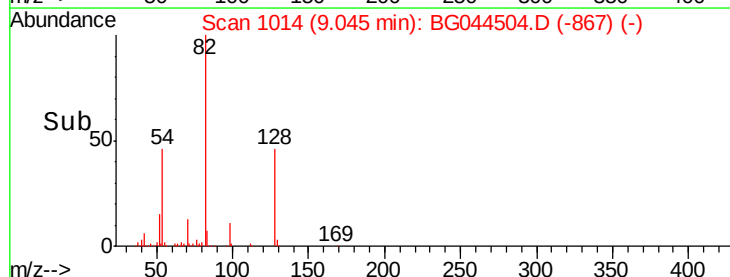
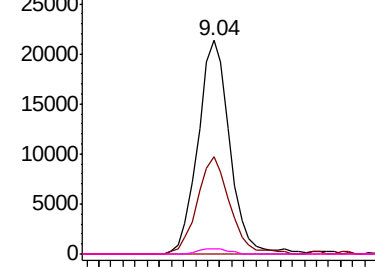
42 45.5 46.2 69.2#

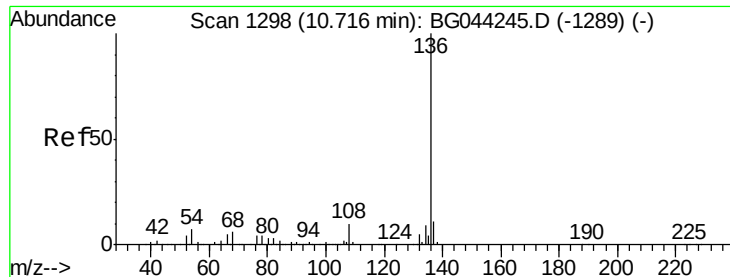
101 0.0 8.4 12.6#

130 2.1 17.8 26.8#



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

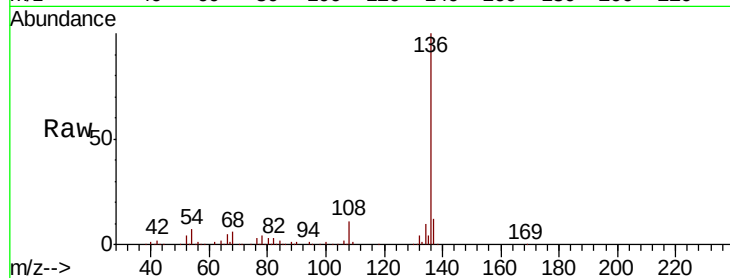




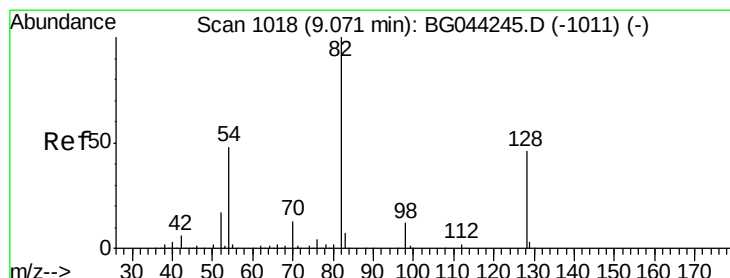
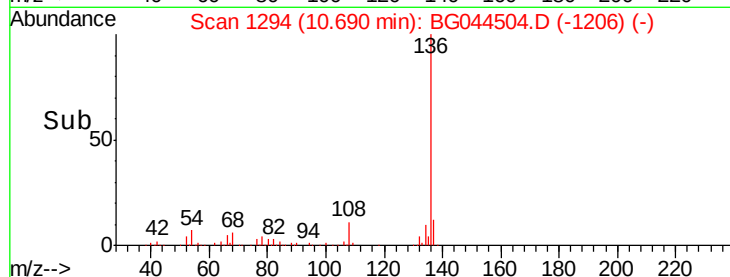
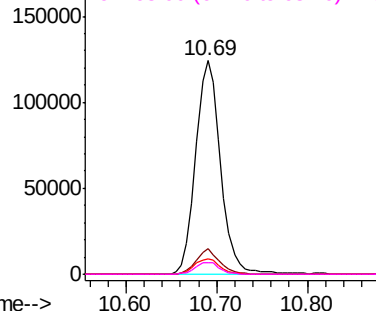
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	237518
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.8	13.2
54 7.0	5.8	8.8
68 5.6	4.6	6.8

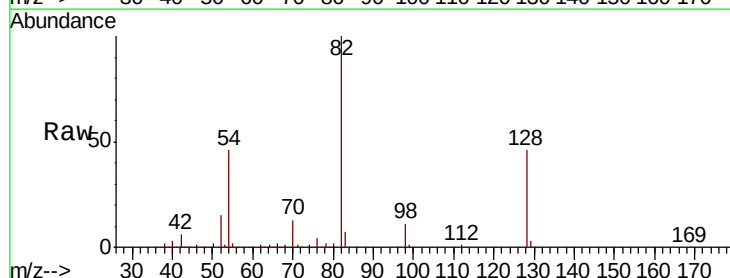


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

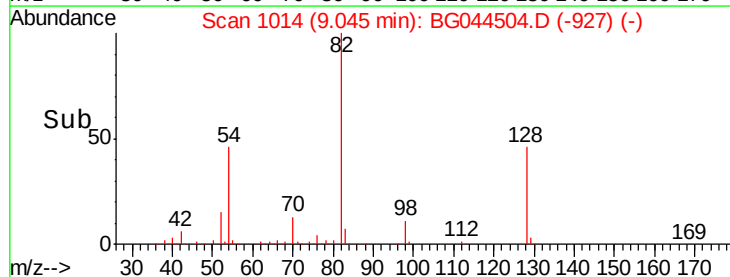
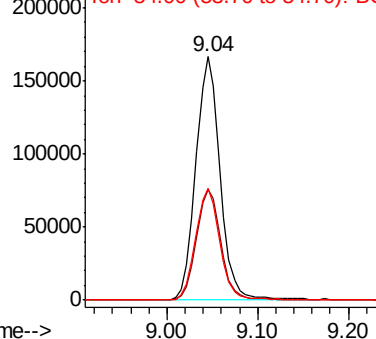


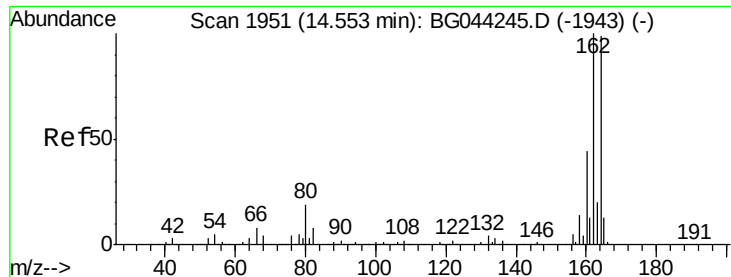
#23
Nitrobenzene-d5
Concen: 73.565 ng
RT: 9.04 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Tgt	Ion: 82	Resp:	309497
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	45.8	38.6	58.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

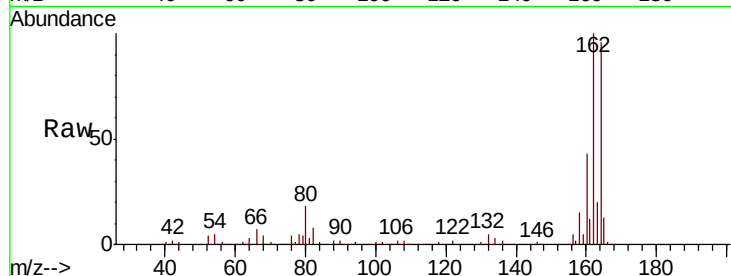
Tot Ion:164 Resp: 155827

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

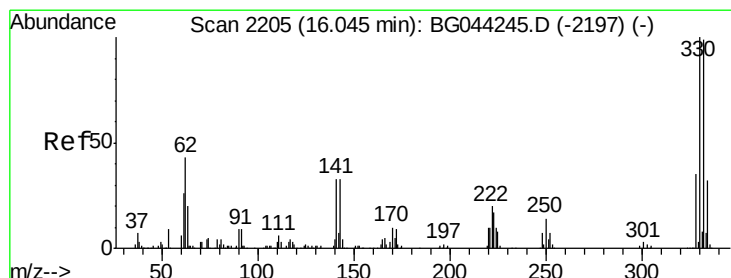
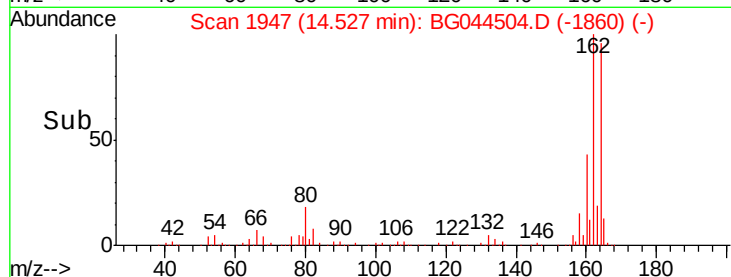
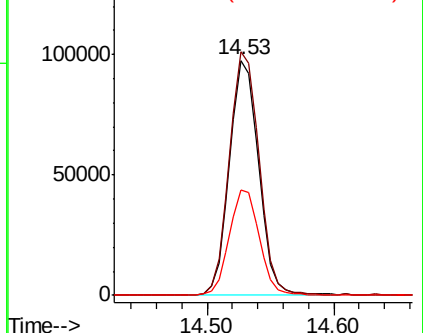
160 44.9 35.3 52.9



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: 127.161 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

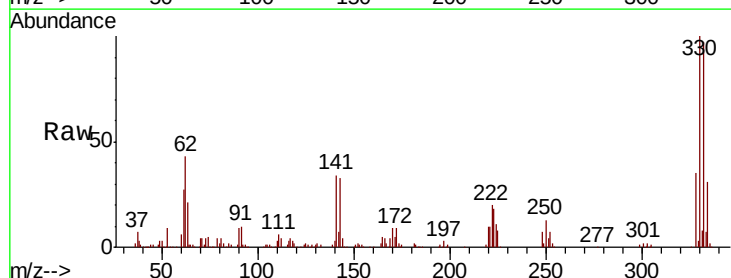
Tgt Ion:330 Resp: 232619

Ion Ratio Lower Upper

330 100

332 95.2 77.2 115.8

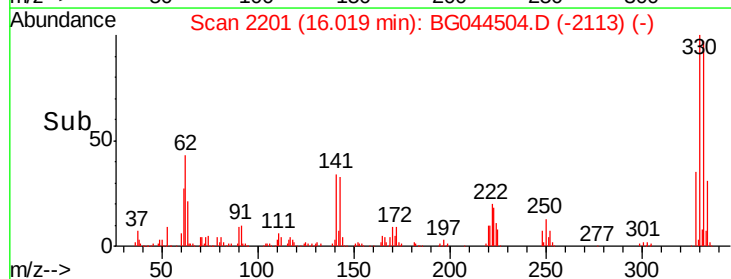
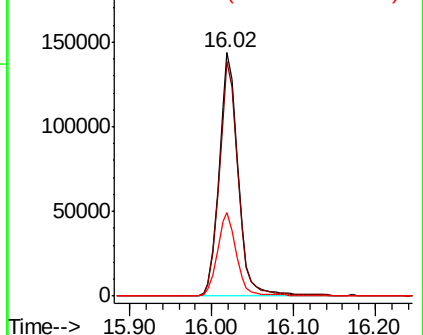
141 34.8 28.3 42.5

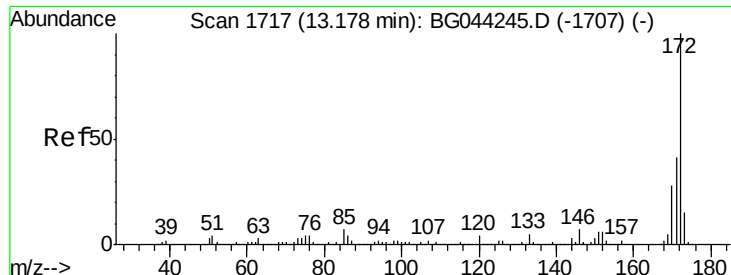


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

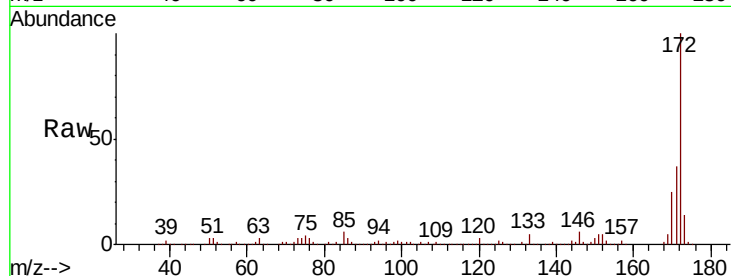




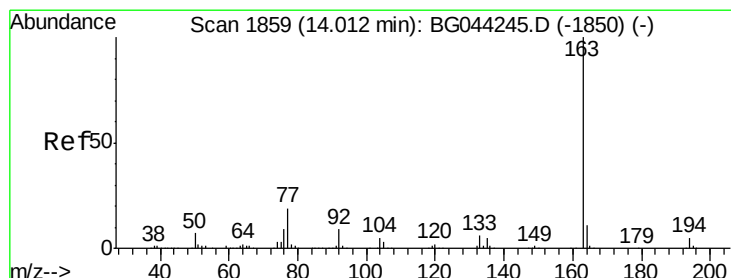
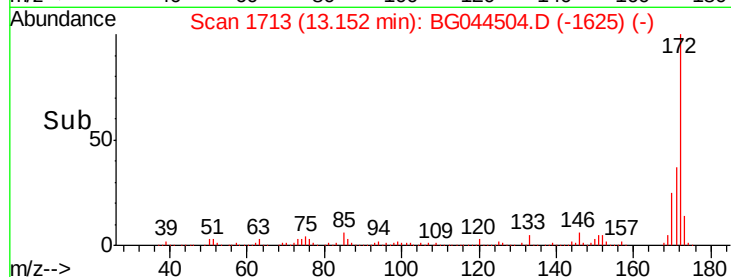
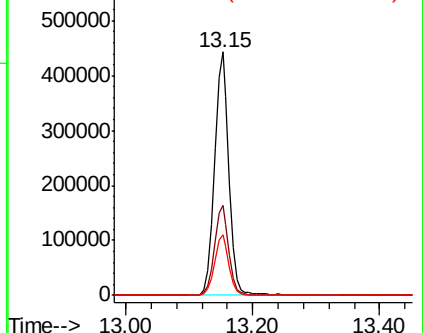
#45
2-Fluorobiphenyl
Concen: 76.977 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 716319
Ion Ratio Lower Upper
172 100
171 37.1 32.9 49.3
170 24.9 22.0 33.0

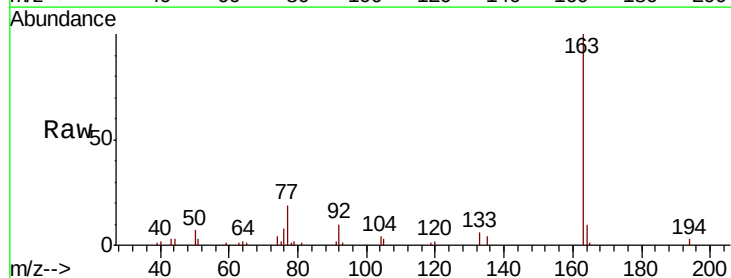


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

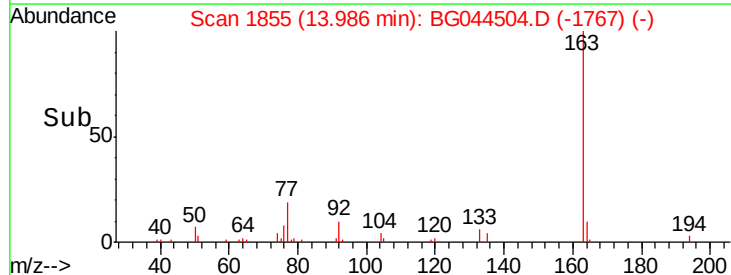
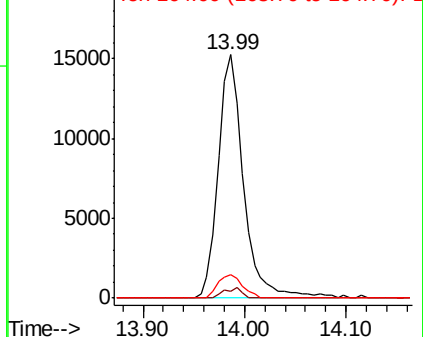


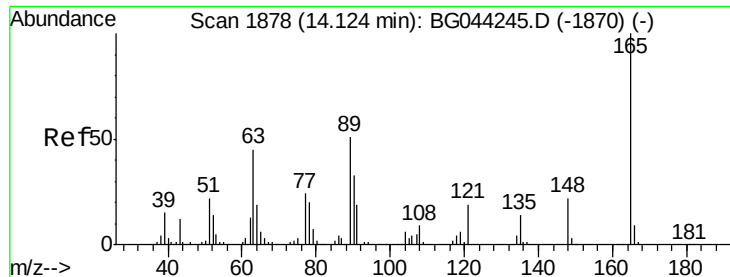
#50
Dimethylphthalate
Concen: 2.367 ng
RT: 13.99 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Tgt Ion:163 Resp: 26511
Ion Ratio Lower Upper
163 100
194 3.1 3.6 5.4#
164 9.8 8.7 13.1



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

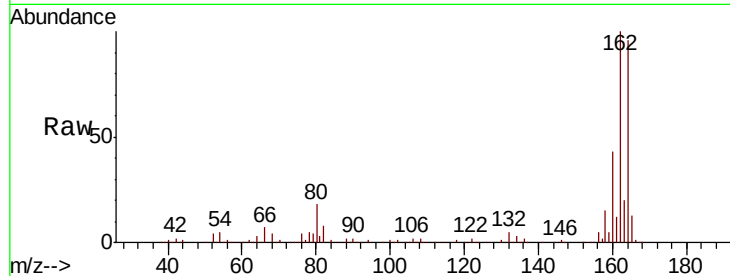




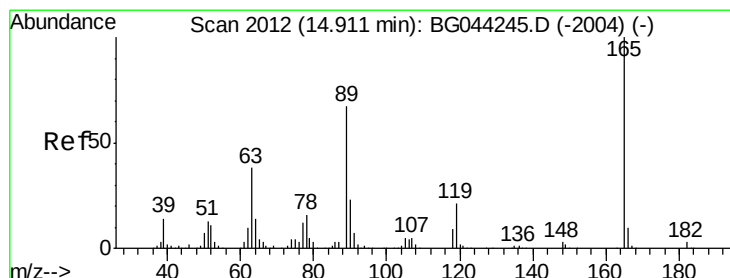
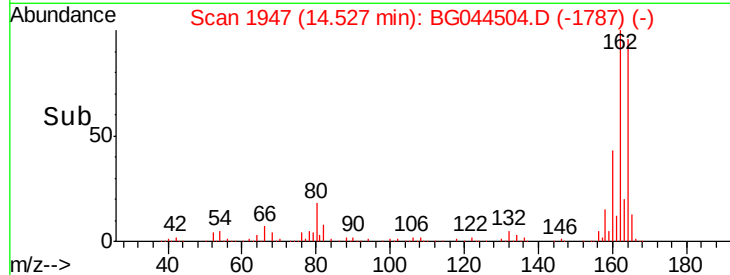
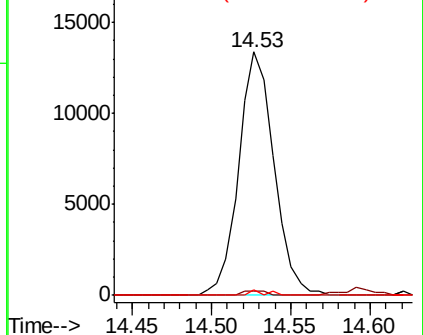
#51
 2,6-Dinitrotoluene
 Concen: 8.267 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	38.7	58.1#
89	2.2	40.4	60.6#



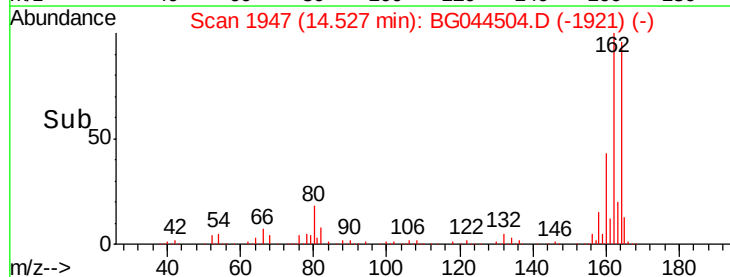
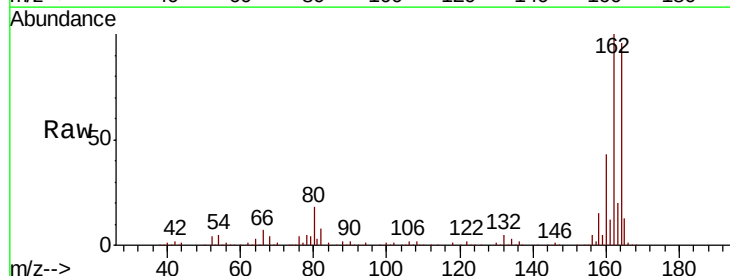
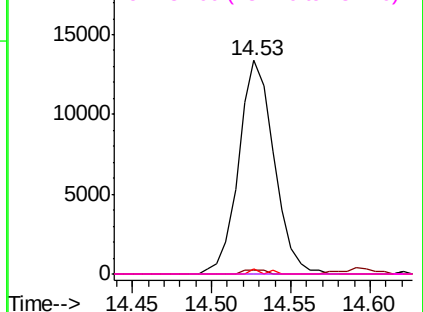
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

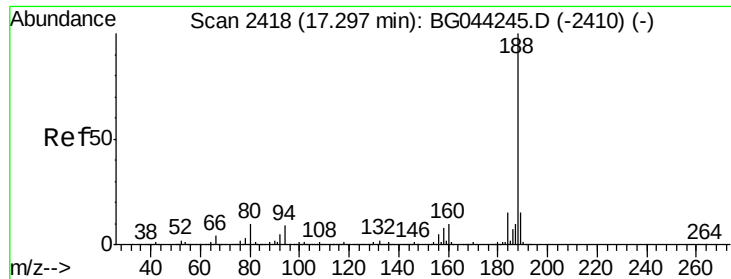


#57
 2,4-Dinitrotoluene
 Concen: 5.898 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.38 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	30.3	45.5#
89	2.2	53.4	80.2#
182	0.0	2.1	3.1#

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: 17.27 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

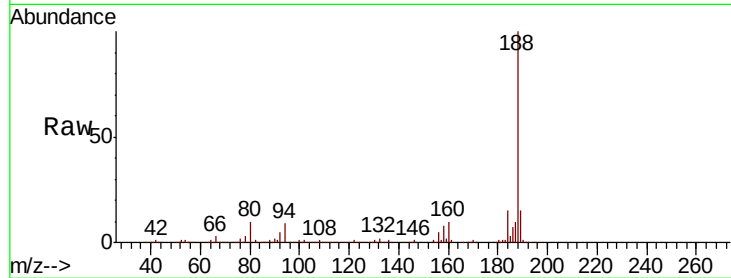
Tot Ion:188 Resp: 376075

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

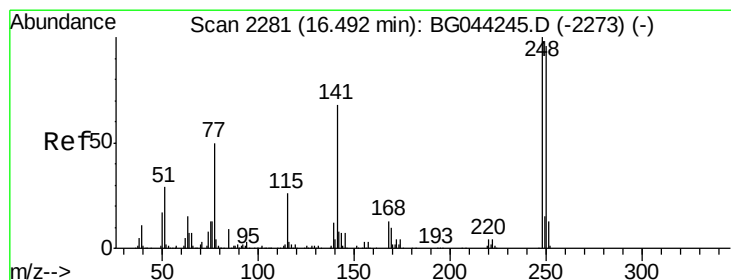
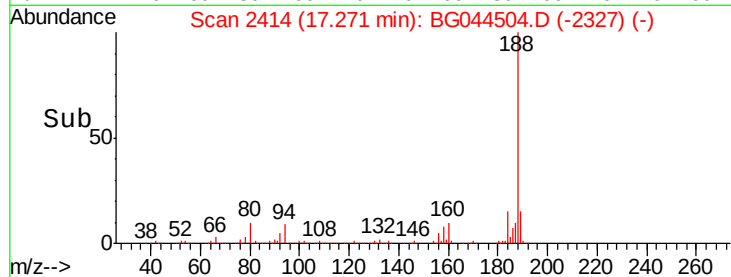
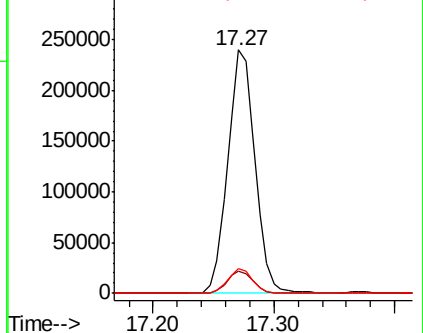
80 10.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.765 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.46 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

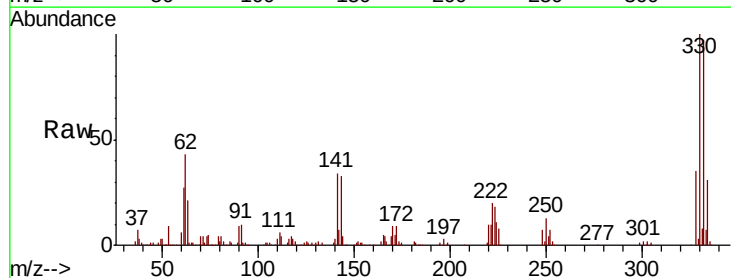
Tgt Ion:248 Resp: 15426

Ion Ratio Lower Upper

248 100

250 201.9 76.6 114.8#

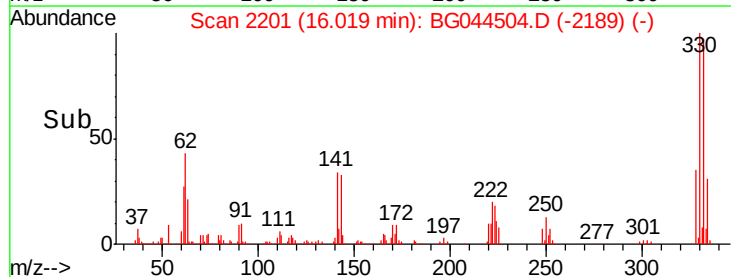
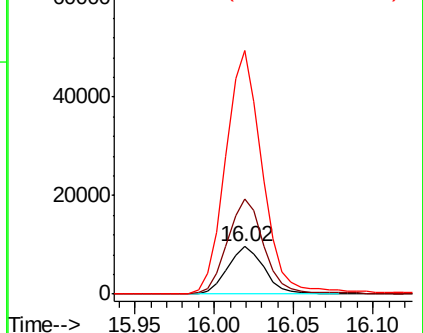
141 516.0 54.7 82.1#

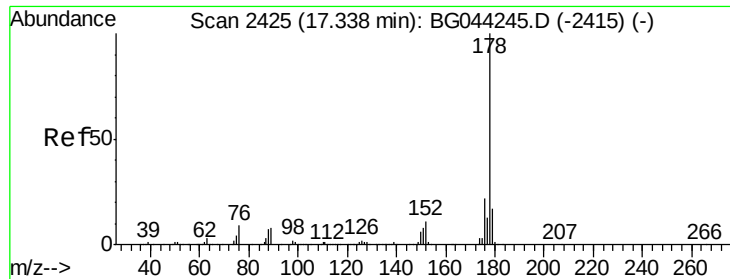


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

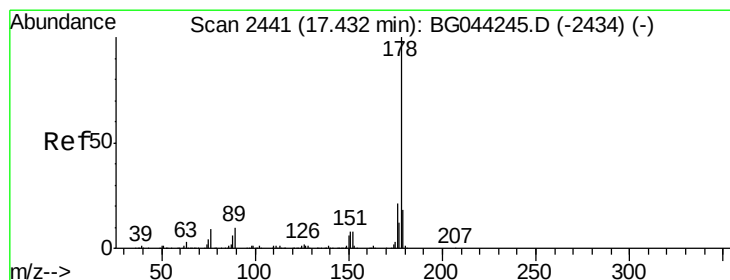
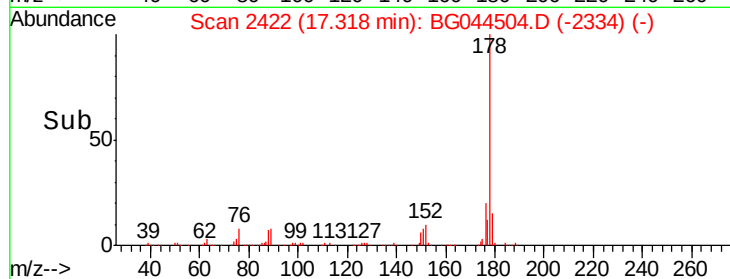
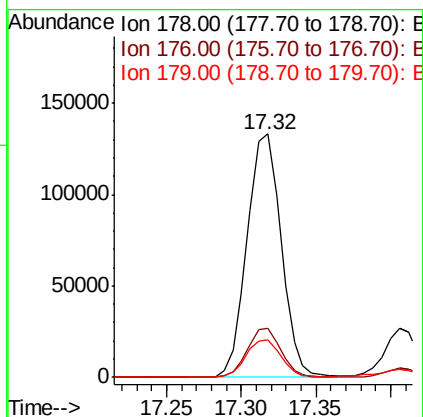
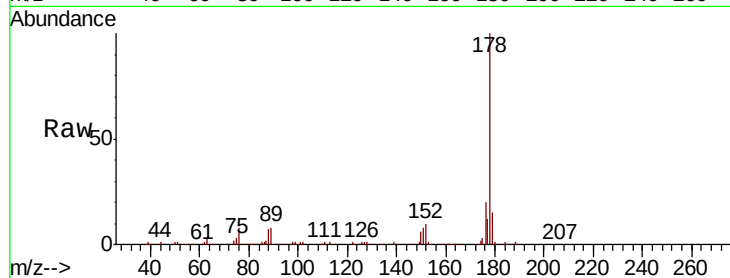




#71
Phenanthrene
Concen: 11.616 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

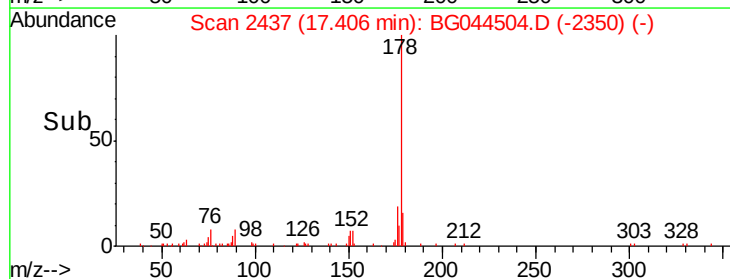
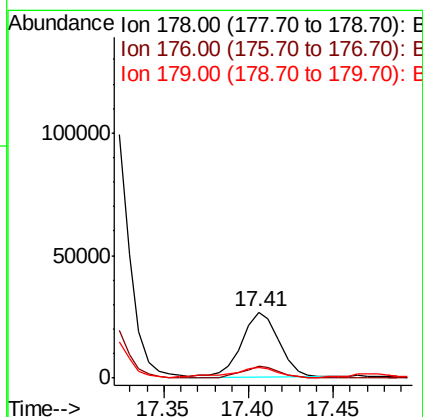
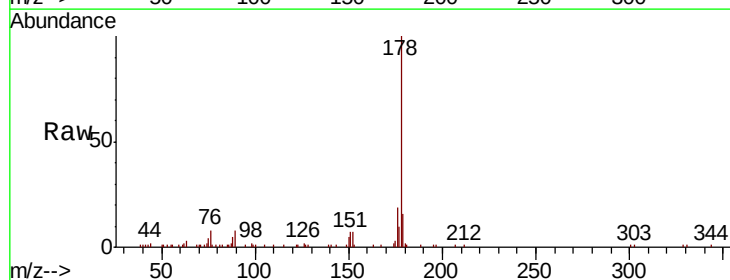
Instrument :
BNA_G
ClientSampleId :

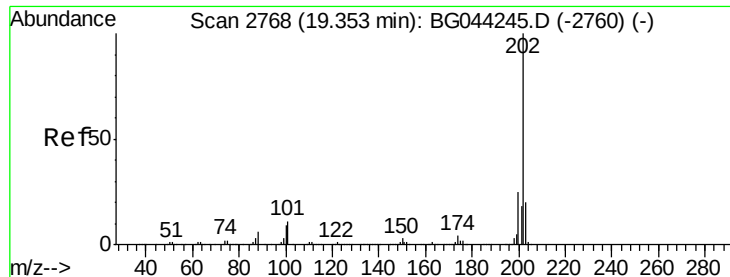
Tot Ion:178 Resp: 211532
Ion Ratio Lower Upper
178 100
176 19.9 17.7 26.5
179 15.3 13.7 20.5



#72
Anthracene
Concen: 2.268 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.02 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Tgt Ion:178 Resp: 40839
Ion Ratio Lower Upper
178 100
176 18.9 17.0 25.4
179 15.6 14.4 21.6





#75

Fluoranthene

Concen: 15.789 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

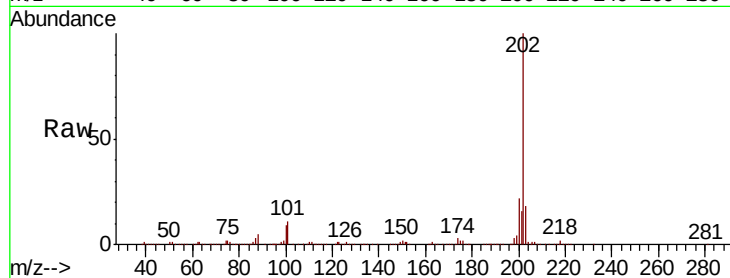
Tot Ion:202 Resp: 332625

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.3

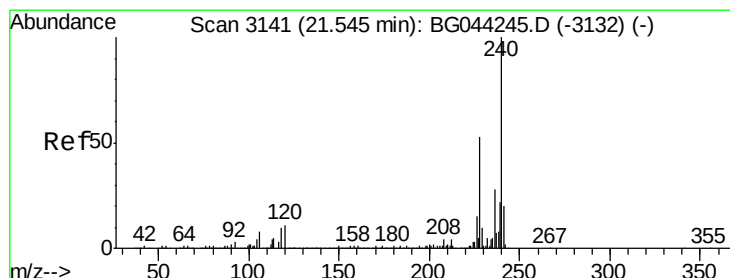
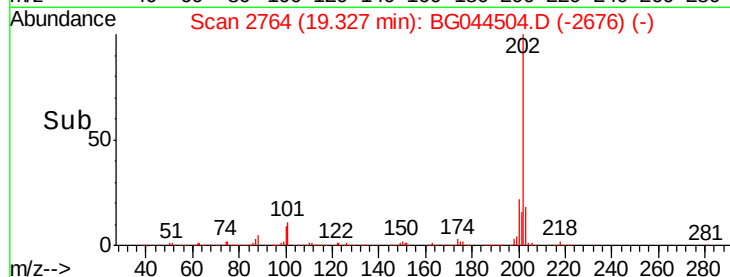
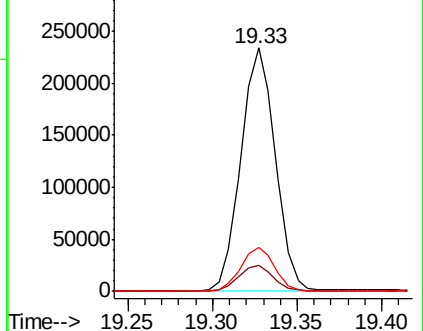
203 17.9 0.0 39.9



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: 21.52 min Scan# 3137

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

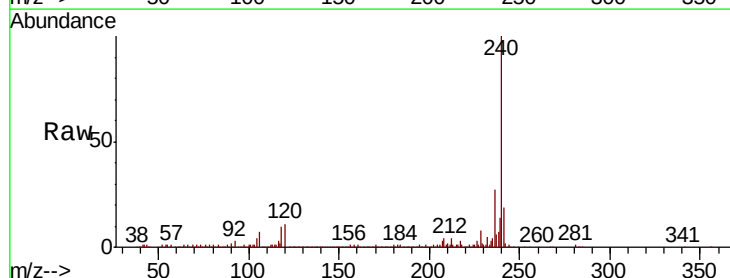
Tgt Ion:240 Resp: 380977

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

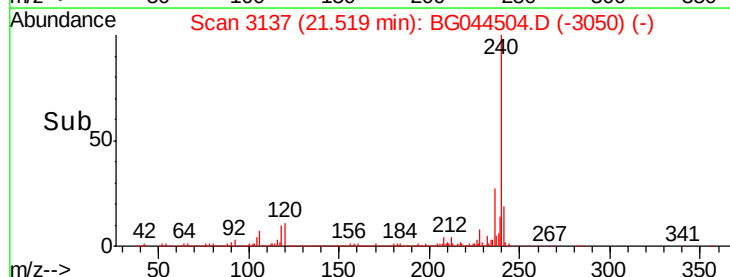
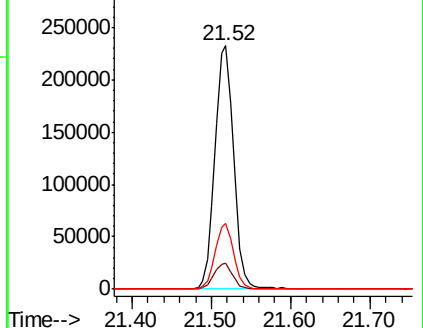
236 27.1 22.1 33.1

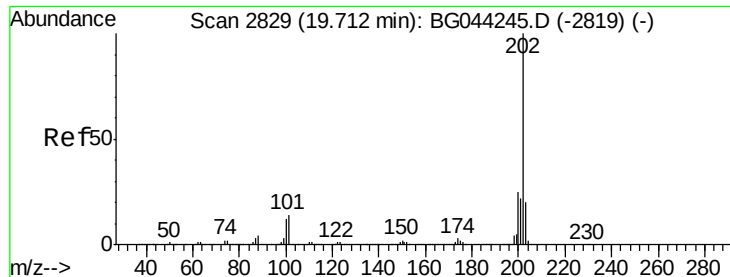


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.483 ng

RT: 19.69 min Scan# 2825

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

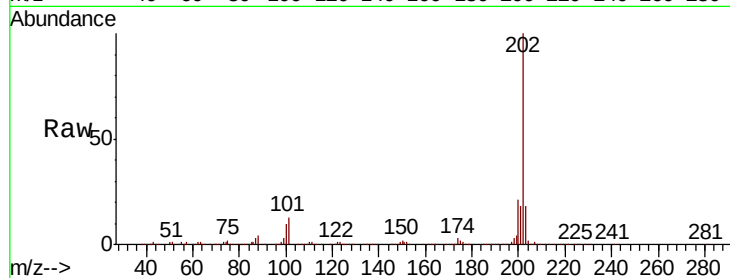
Tot Ion:202 Resp: 329887

Ion Ratio Lower Upper

202 100

200 21.4 20.0 30.0

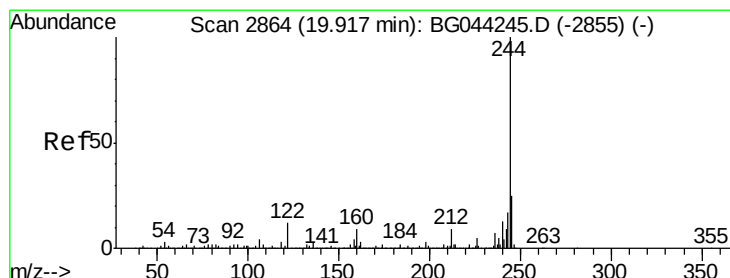
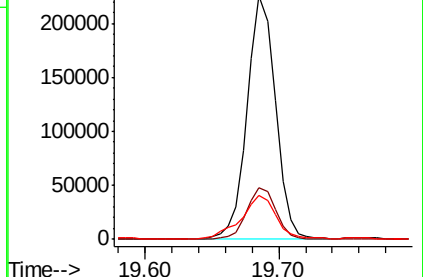
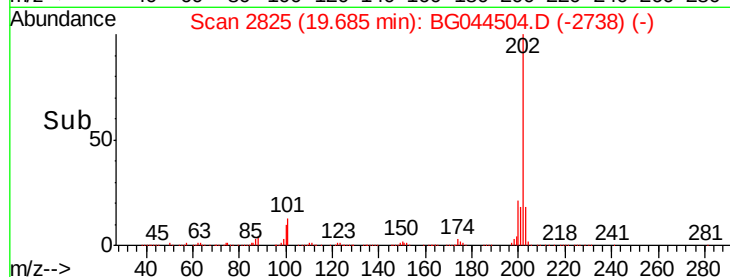
203 18.3 16.2 24.2



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: 64.884 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

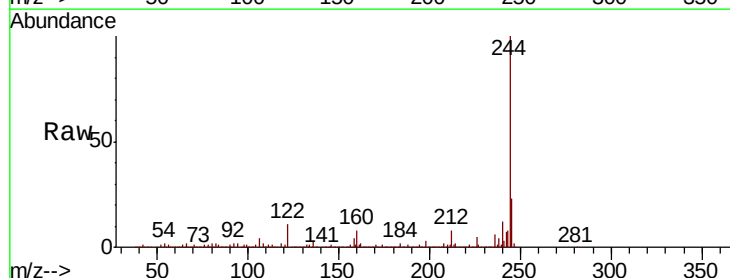
Tgt Ion:244 Resp: 1201796

Ion Ratio Lower Upper

244 100

212 8.0 7.4 11.2

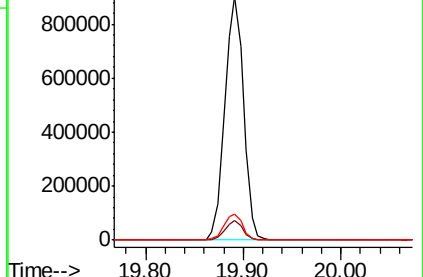
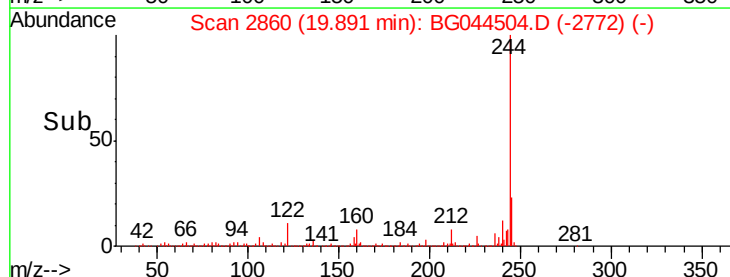
122 10.9 9.8 14.6

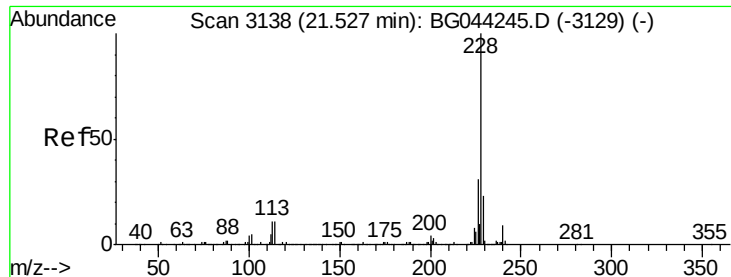


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.011 ng

RT: 21.50 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

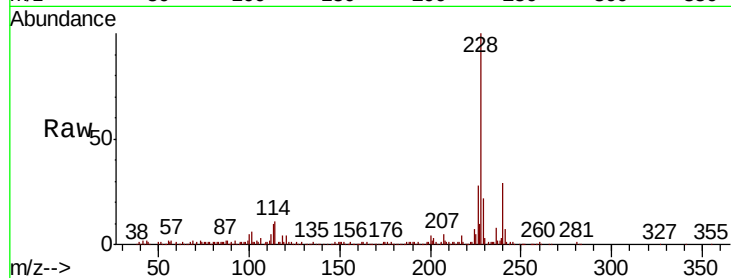
Tot Ion:228 Resp: 164620

Ion Ratio Lower Upper

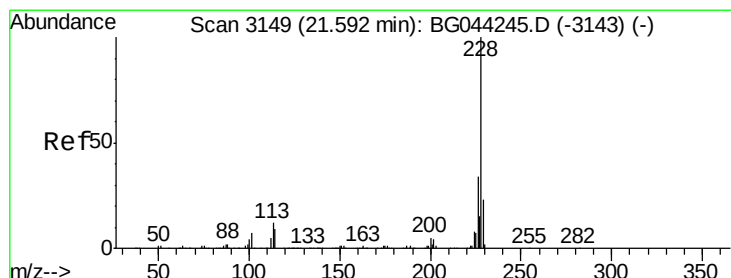
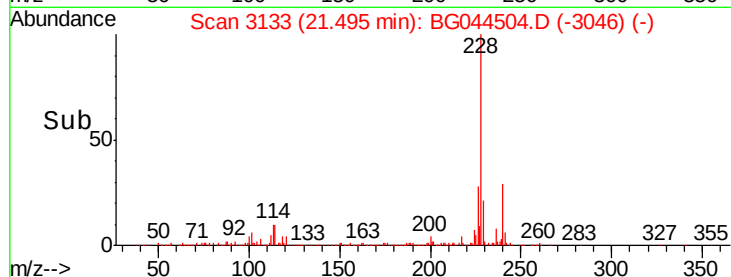
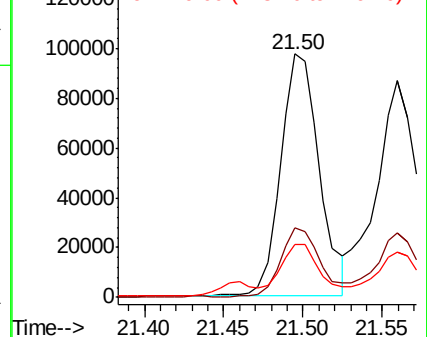
228 100

226 28.3 24.7 37.1

229 21.8 18.2 27.4



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: 6.799 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

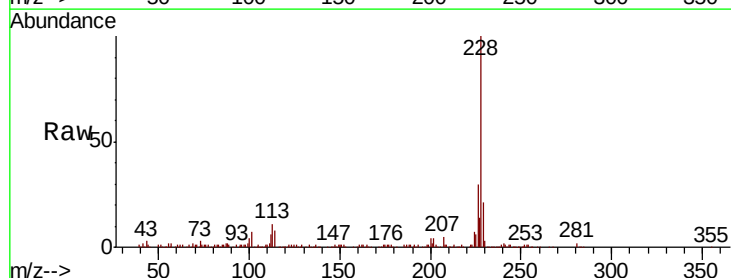
Tgt Ion:228 Resp: 154308

Ion Ratio Lower Upper

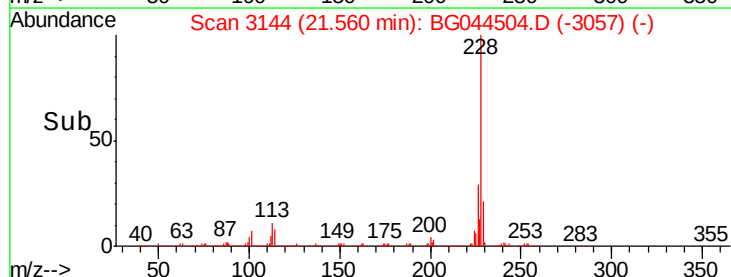
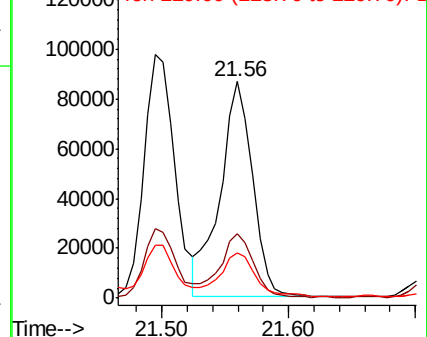
228 100

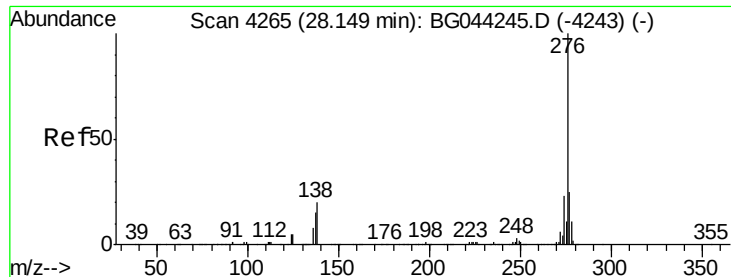
226 29.6 27.1 40.7

229 21.1 17.9 26.9



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

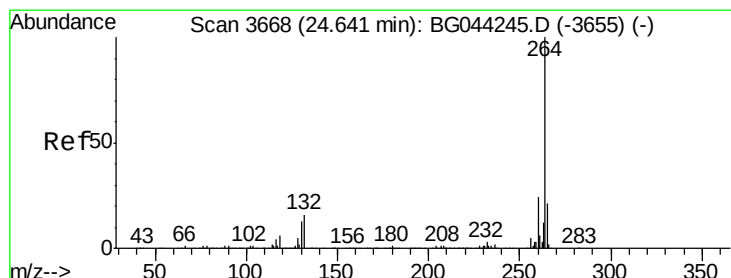
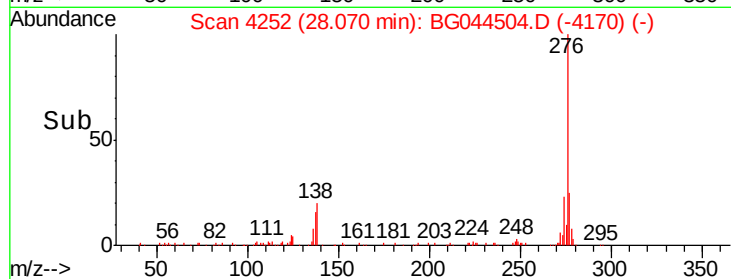
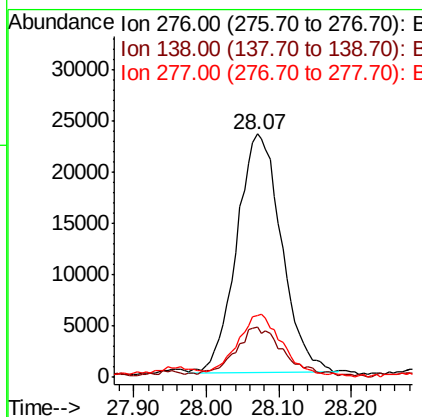
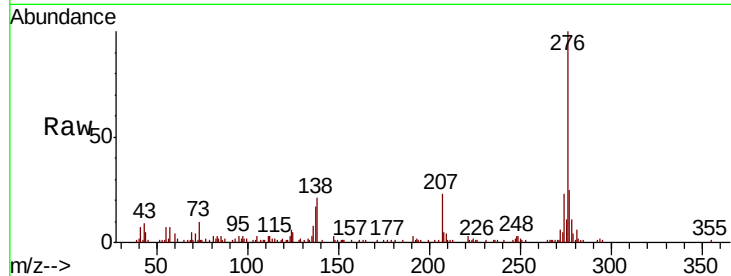




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.388 ng
 RT: 28.07 min Scan# 4252
 Delta R.T. -0.05 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

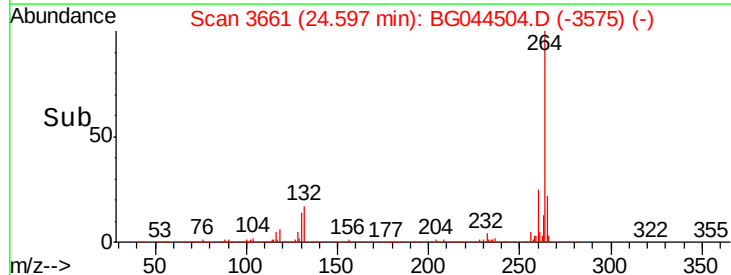
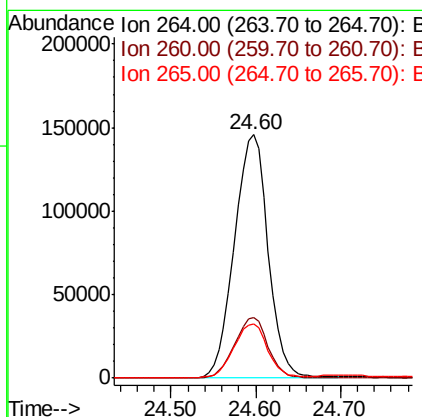
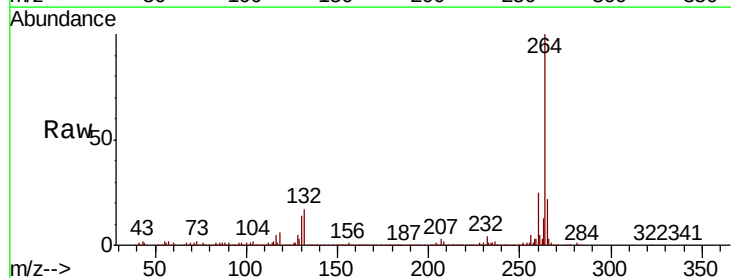
Instrument :
 BNA_G
 ClientSampleId :

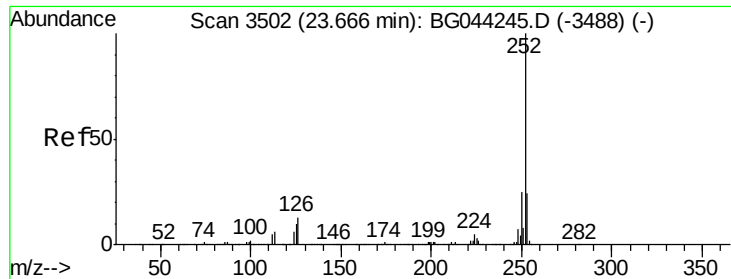
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.4	29.0
277	27.6	21.0	31.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.60 min Scan# 3661
 Delta R.T. -0.02 min
 Lab File: BG044504.D
 Acq: 20 Feb 2020 00:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	22.2	16.7	25.1

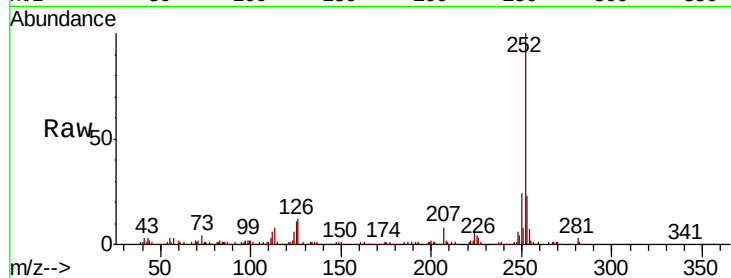




#88
Benzo(b)fluoranthene
Concen: 8.819 ng
RT: 23.62 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	10.6	8.4	12.6

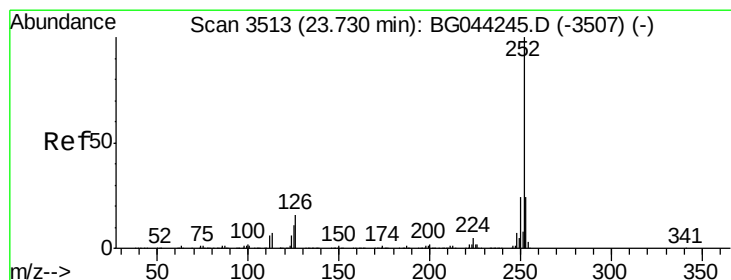
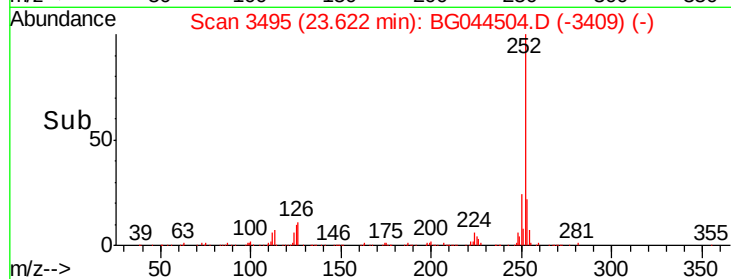
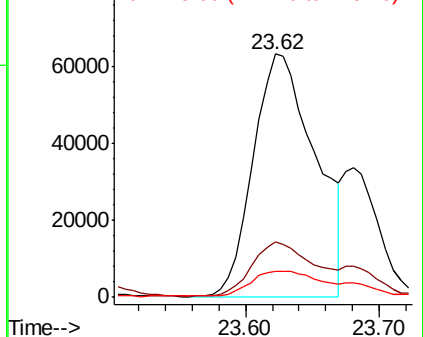


Abundance

Ion 252.00 (251.70 to 252.70): E

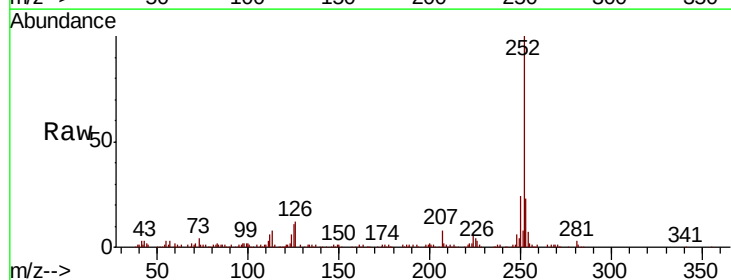
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 9.048 ng
RT: 23.62 min Scan# 3495
Delta R.T. -0.09 min
Lab File: BG044504.D
Acq: 20 Feb 2020 00:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.1	28.7
125	10.6	8.6	12.8

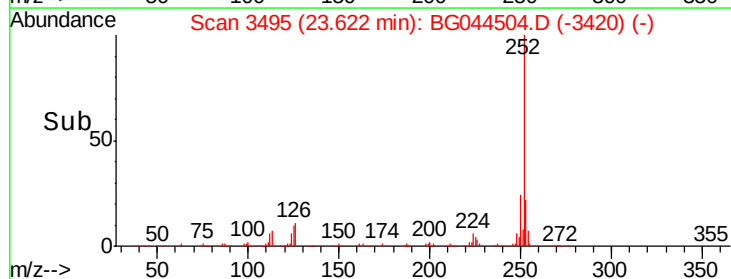
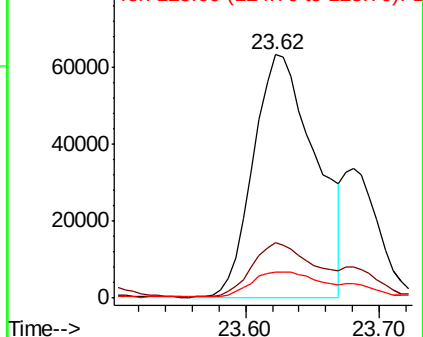


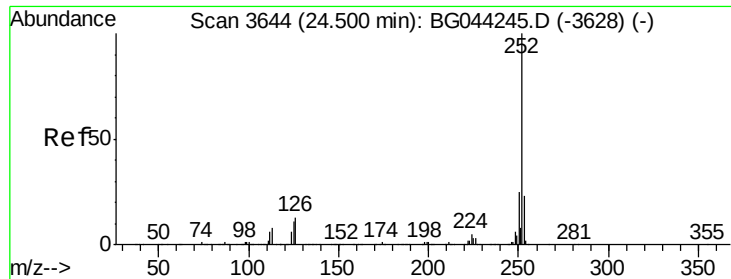
Abundance

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: 6.825 ng

RT: 24.44 min Scan# 3635

Delta R.T. -0.03 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

Instrument :

BNA_G

ClientSampleId :

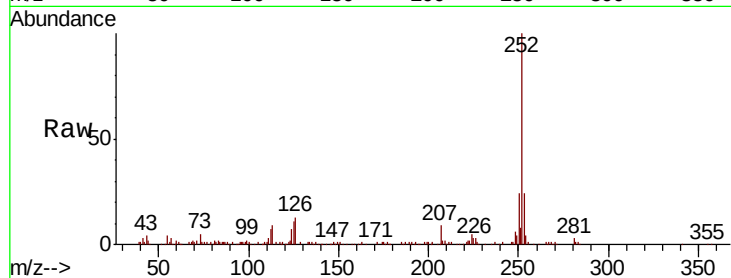
Tot Ion:252 Resp: 149249

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

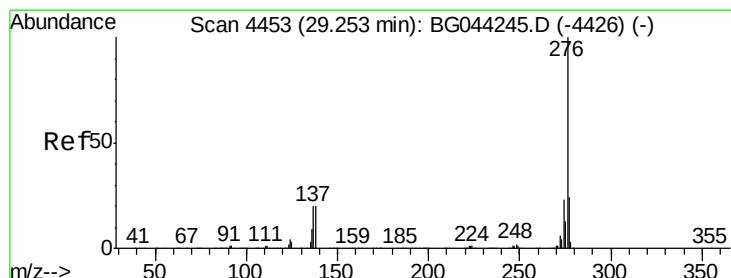
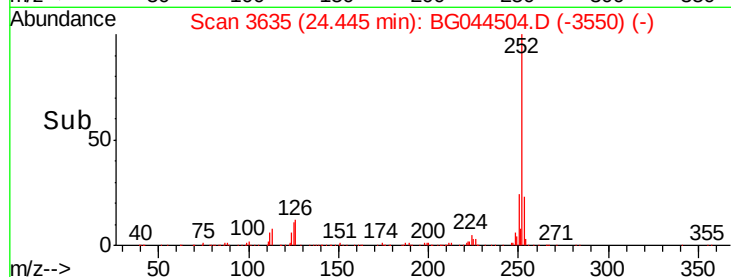
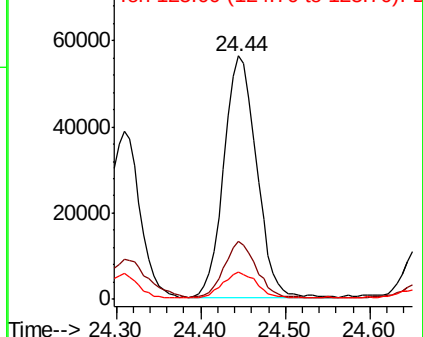
125 11.0 8.6 13.0



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(g,h,i)perylene

Concen: 4.902 ng

RT: 29.15 min Scan# 4436

Delta R.T. -0.05 min

Lab File: BG044504.D

Acq: 20 Feb 2020 00:39

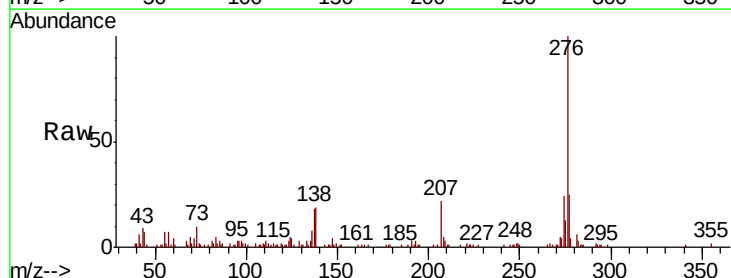
Tgt Ion:276 Resp: 106204

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 19.0 16.2 24.2



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

