

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044505.D
 Acq On : 20 Feb 2020 1:19
 Operator : CG/JU
 Sample : L1547-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 07:19:21 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	57940	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	237692	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	154424	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	365037	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	381337	20.00	ng	-0.02
87) Perylene-d12	24.60	264	402701	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	351066	106.93	ng	-0.01
7) Phenol-d6	7.06	99	454669	103.13	ng	-0.01
23) Nitrobenzene-d5	9.04	82	270626	64.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	198467	109.48	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	620348	67.27	ng	-0.01
79) Terphenyl-d14	19.89	244	1077881	58.14	ng	-0.01

Target Compounds

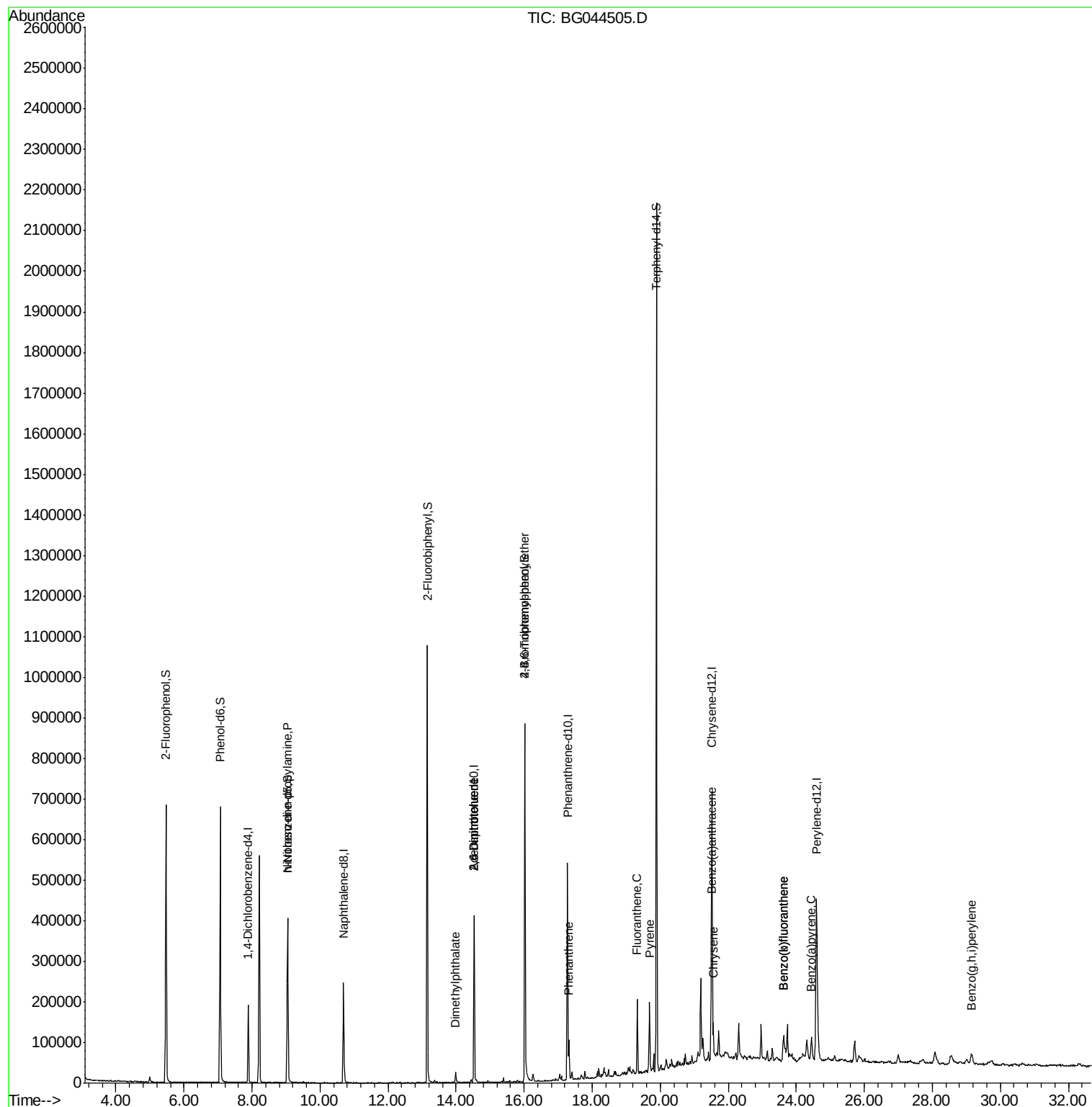
						Qvalue
19) n-Nitroso-di-n-propylamine	9.04	70	34342	11.688	ng	# 74
50) Dimethylphthalate	13.99	163	23025	2.074	ng	99
51) 2,6-Dinitrotoluene	14.53	165	20047	8.100	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	20047	5.779	ng	# 26
67) 4-Bromophenyl-phenylether	16.02	248	13363	3.360	ng	# 1
71) Phenanthrene	17.32	178	61883	3.501	ng	95
75) Fluoranthene	19.33	202	110517	5.405	ng	98
78) Pyrene	19.69	202	106329	4.342	ng	95
81) Benzo(a)anthracene	21.49	228	58249	2.478	ng	95
83) Chrysene	21.56	228	56174	2.473	ng	93
88) Benzo(b)fluoranthene	23.62	252	78941	3.402	ng	97
89) Benzo(k)fluoranthene	23.62	252	78941	3.490	ng	98
90) Benzo(a)pyrene	24.44	252	56707	2.585	ng	98
92) Benzo(a,h,i)perylene	29.16	276	46162	2.124	ng	97

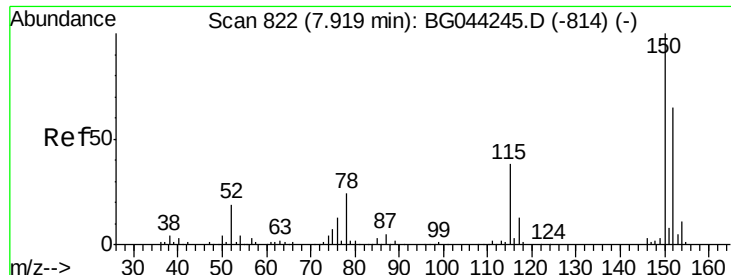
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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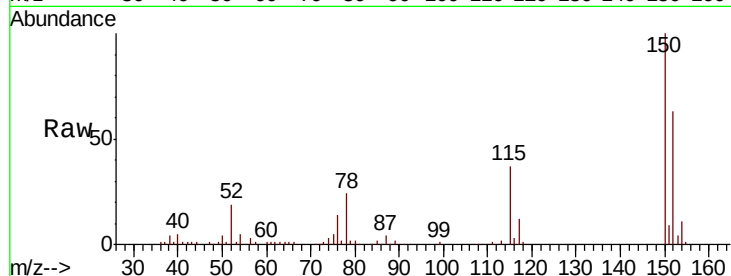


#1

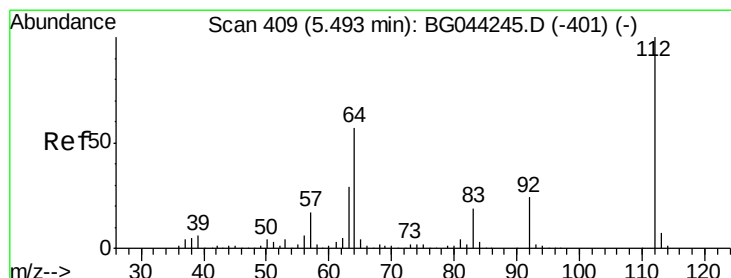
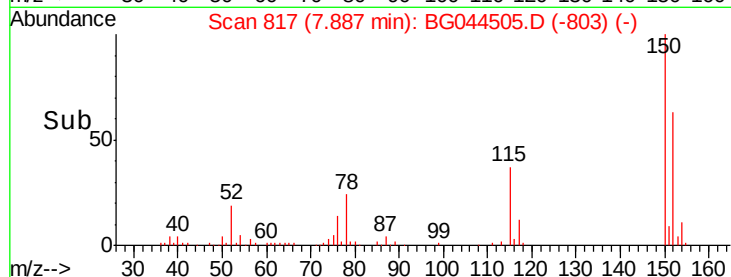
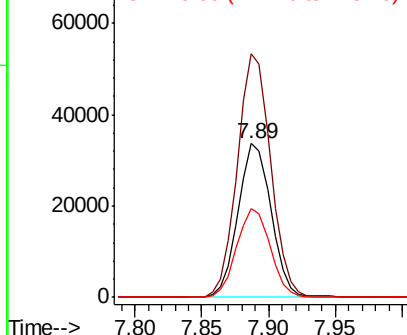
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57940
Ion Ratio Lower Upper
152 100
150 158.2 122.6 183.8
115 57.8 46.0 69.0



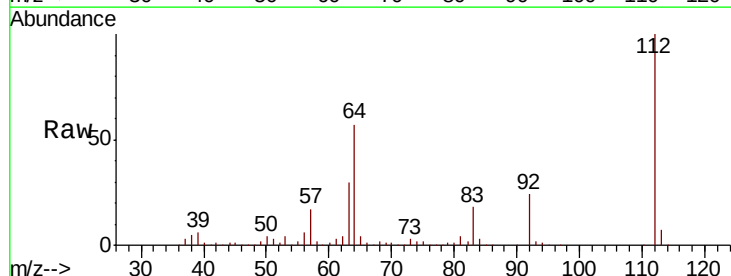
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



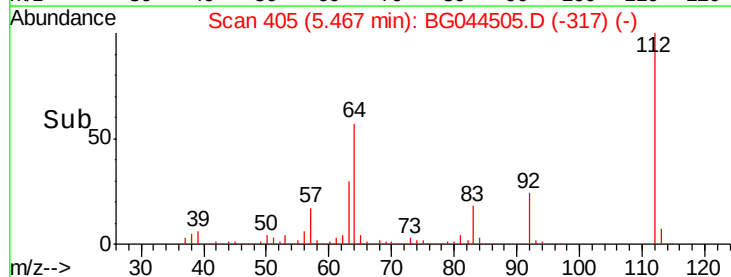
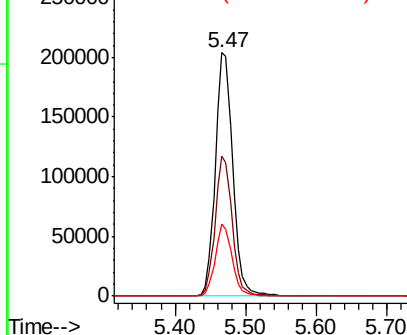
#5

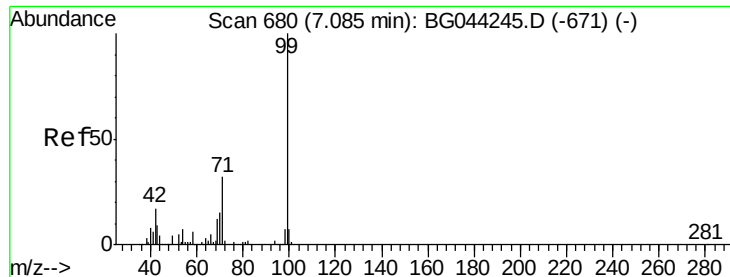
2-Fluorophenol
Concen: 106.934 ng
RT: 5.47 min Scan# 405
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion:112 Resp: 351066
Ion Ratio Lower Upper
112 100
64 57.3 45.4 68.2
63 29.7 22.9 34.3



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





#7

Phenol-d6

Concen: 103.132 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

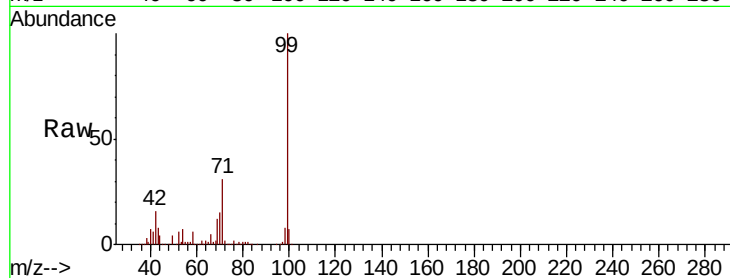
Tot Ion: 99 Resp: 454669

Ion Ratio Lower Upper

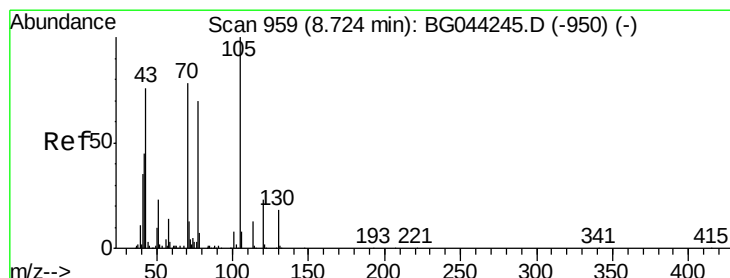
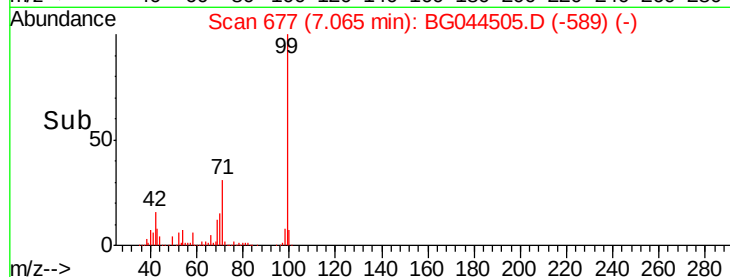
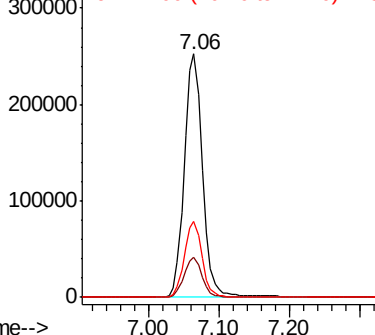
99 100

42 16.5 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: 11.688 ng

RT: 9.04 min Scan# 1014

Delta R.T. 0.33 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Tgt Ion: 70 Resp: 34342

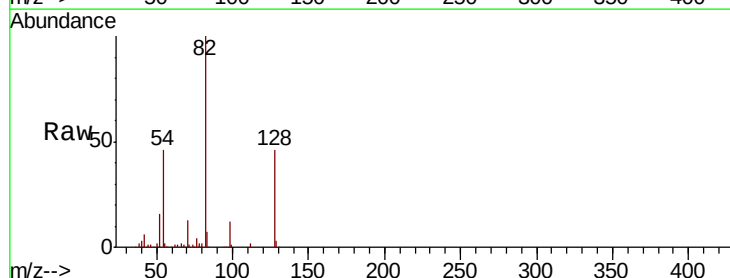
Ion Ratio Lower Upper

70 100

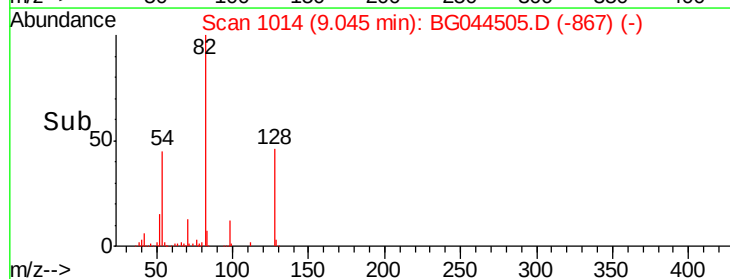
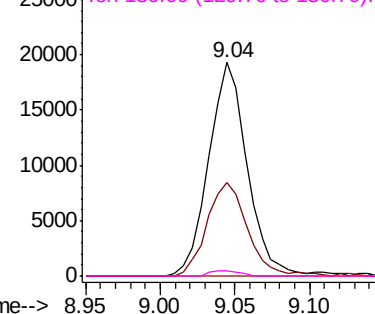
42 43.6 46.2 69.2#

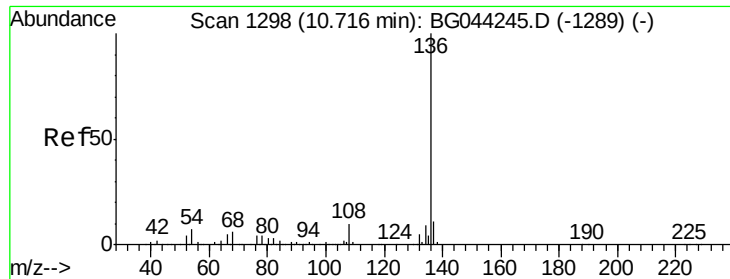
101 0.0 8.4 12.6#

130 2.4 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

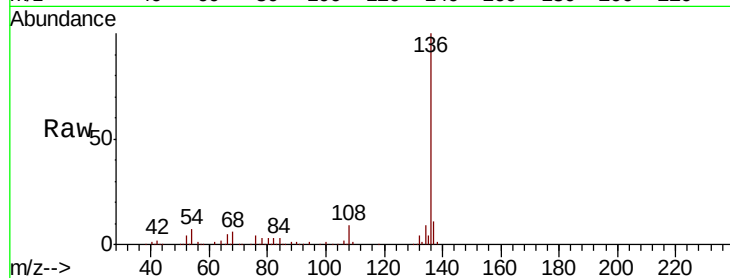




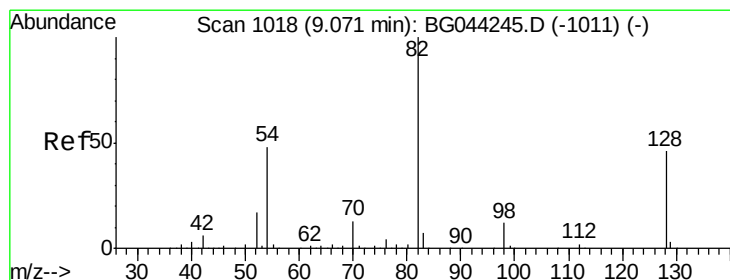
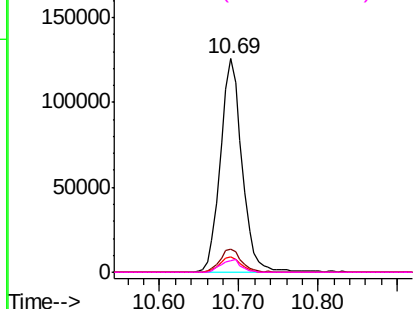
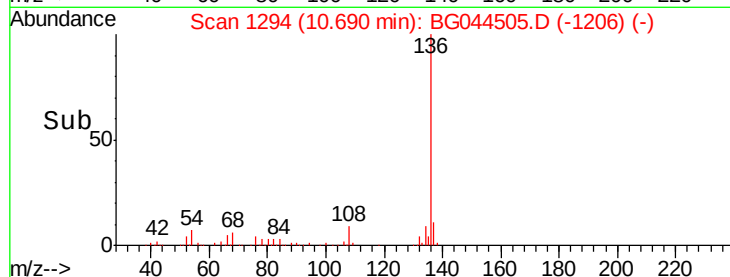
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	237692
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	7.2	5.8 8.8
68	5.6	4.6 6.8

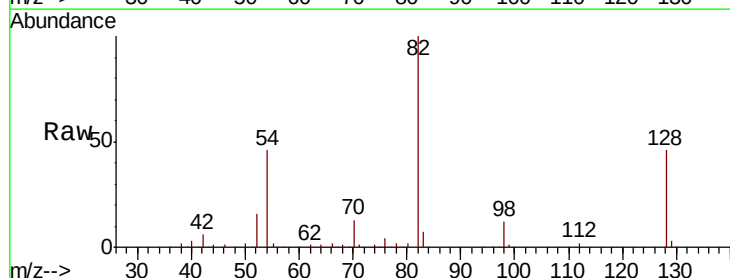


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

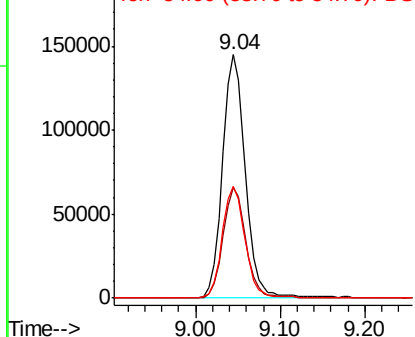
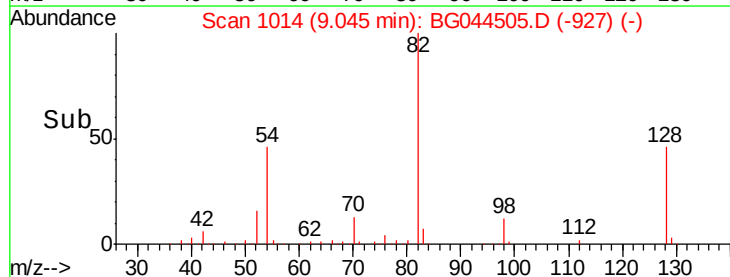


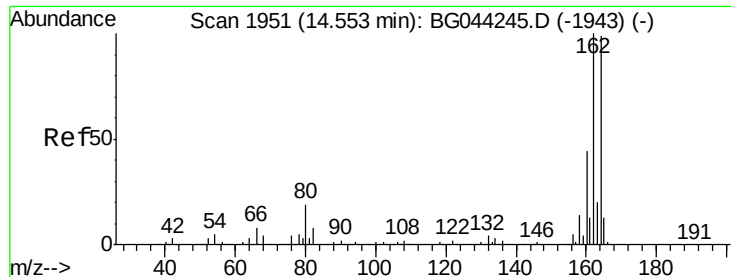
#23
Nitrobenzene-d5
Concen: 64.279 ng
RT: 9.04 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion: 82	Resp:	270626
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.5 54.7
54	45.7	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

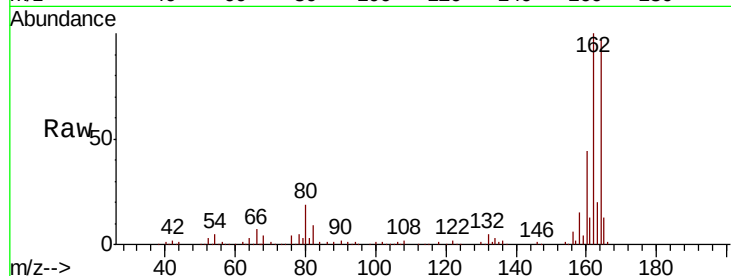
Tot Ion:164 Resp: 154424

Ion Ratio Lower Upper

164 100

162 103.1 80.7 121.1

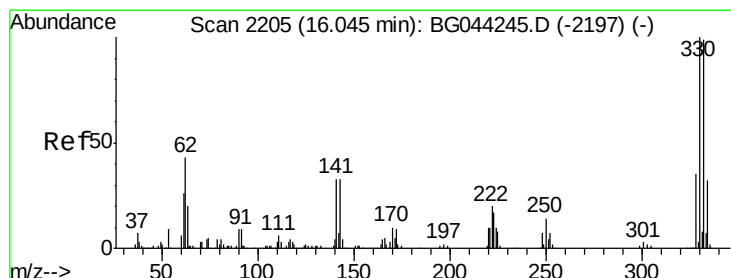
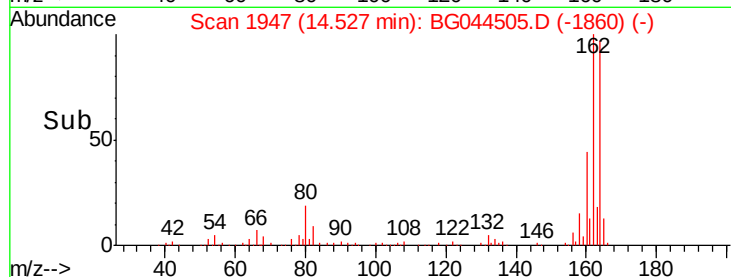
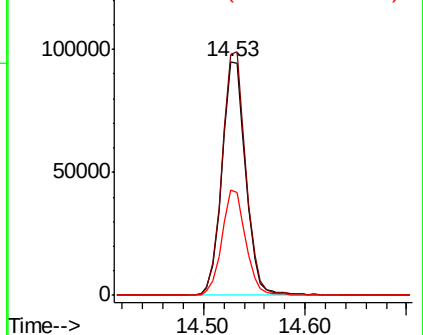
160 45.3 35.3 52.9



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: 109.478 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

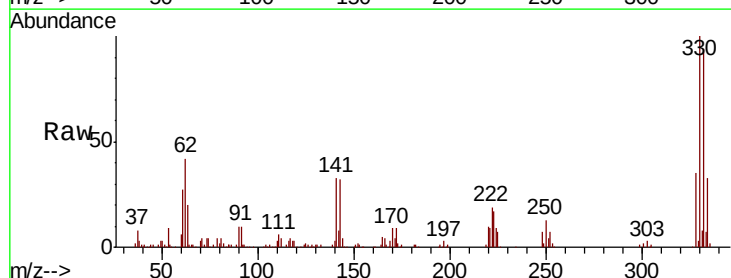
Tgt Ion:330 Resp: 198467

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

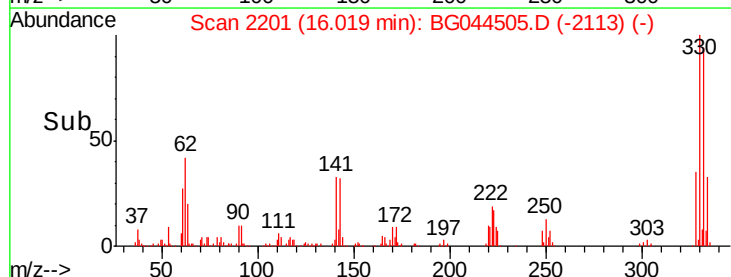
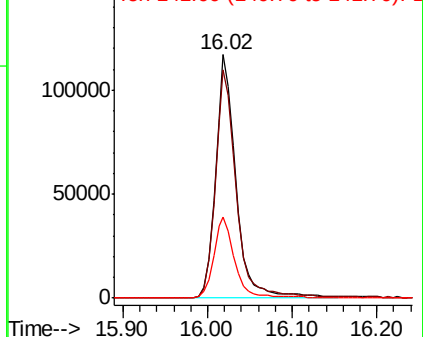
141 34.3 28.3 42.5

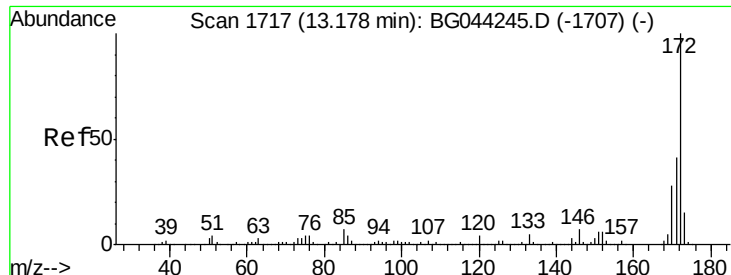


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

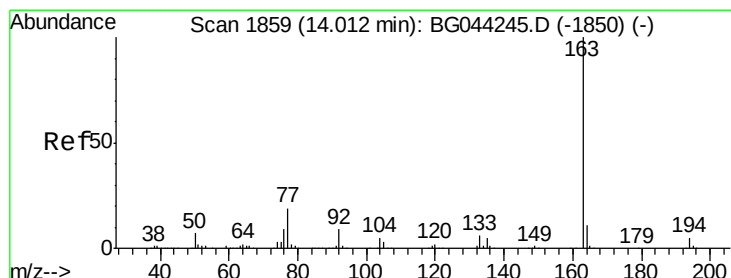
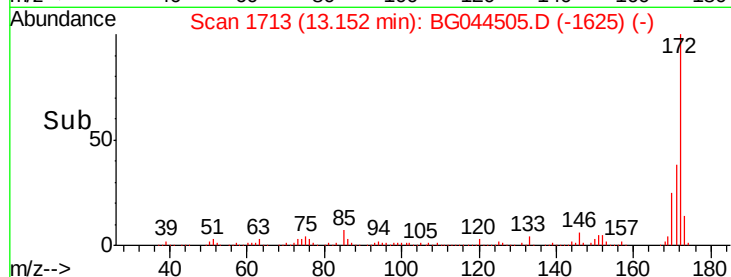
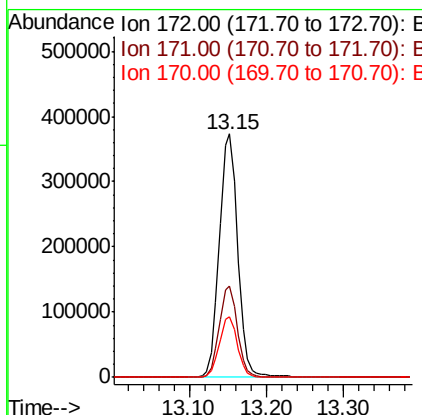
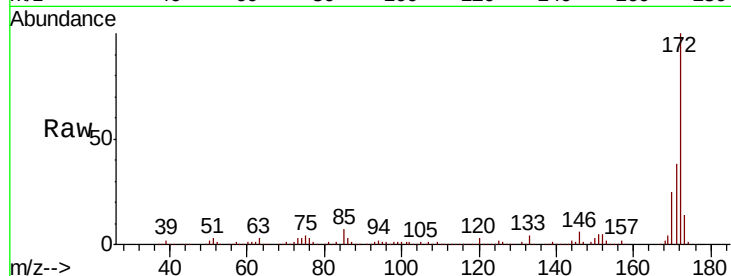




#45
2-Fluorobiphenyl
Concen: 67.270 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

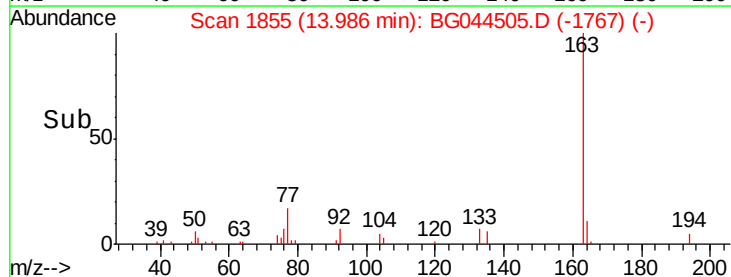
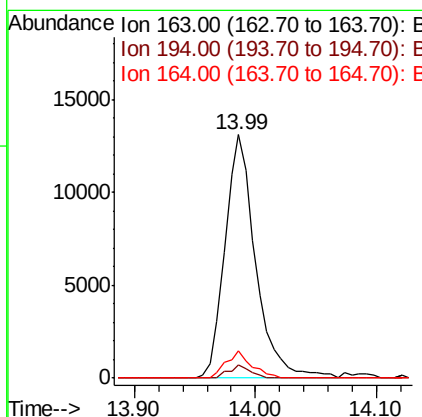
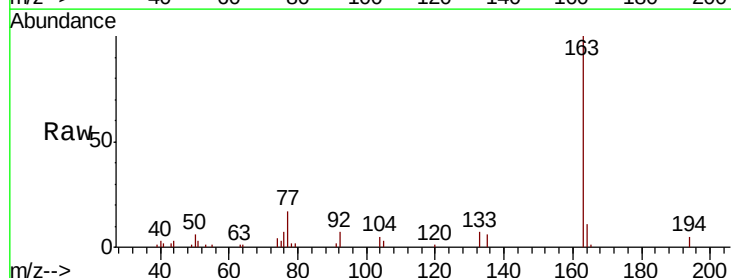
Instrument :
BNA_G
ClientSampled :

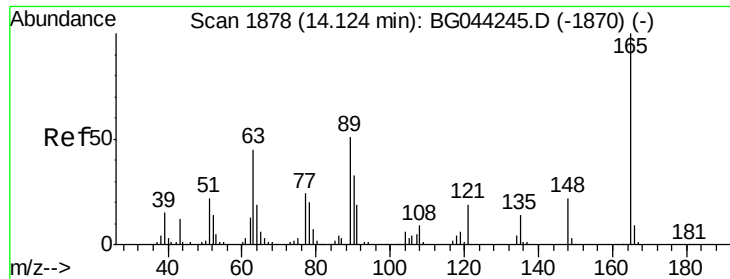
Tot Ion:172 Resp: 620348
Ion Ratio Lower Upper
172 100
171 37.6 32.9 49.3
170 25.1 22.0 33.0



#50
Dimethylphthalate
Concen: 2.074 ng
RT: 13.99 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion:163 Resp: 23025
Ion Ratio Lower Upper
163 100
194 5.2 3.6 5.4
164 11.3 8.7 13.1

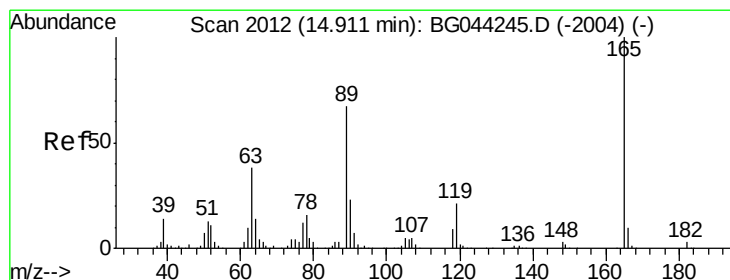
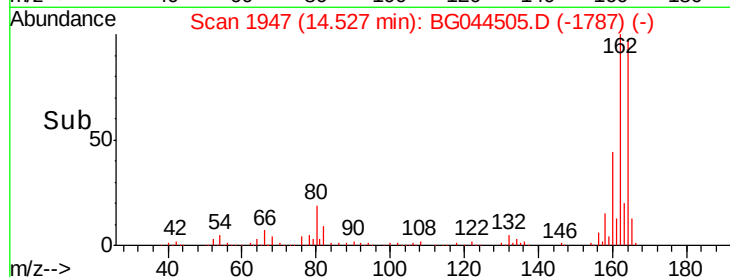
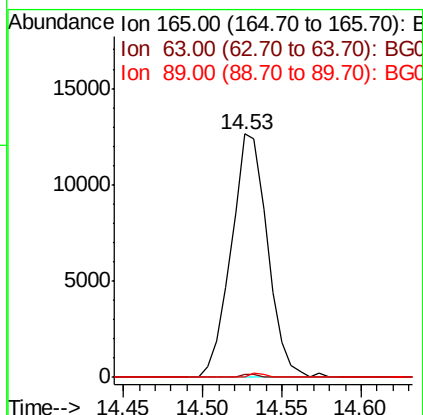
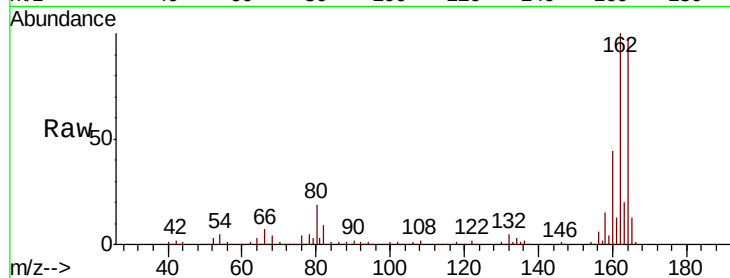




#51
 2,6-Dinitrotoluene
 Concen: 8.100 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

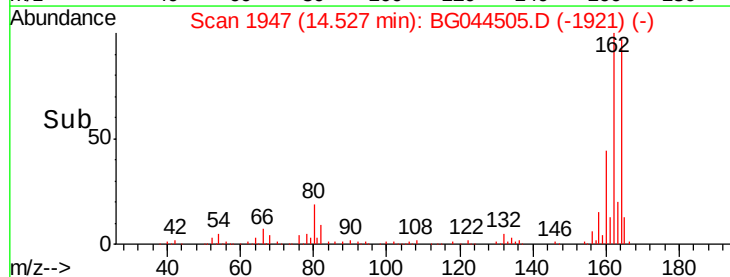
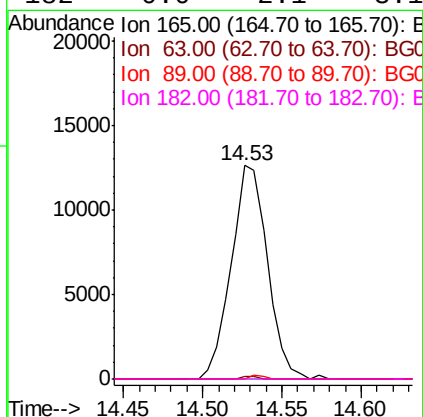
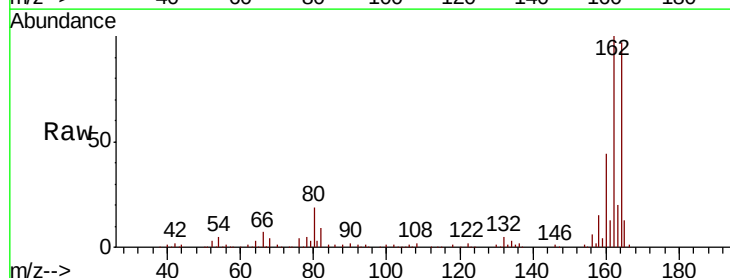
Instrument :
 BNA_G
 ClientSampleId :

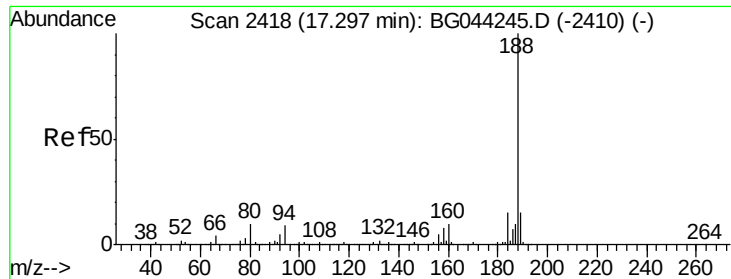
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	38.7	58.1#
89	0.0	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.779 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.38 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#

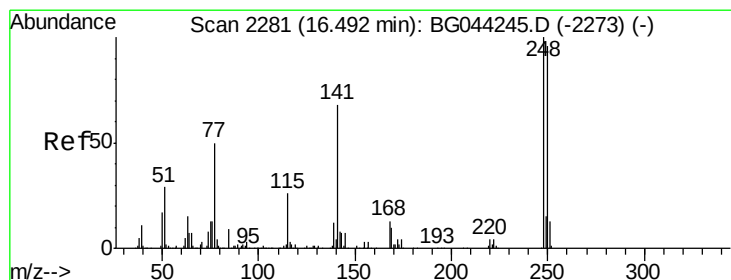
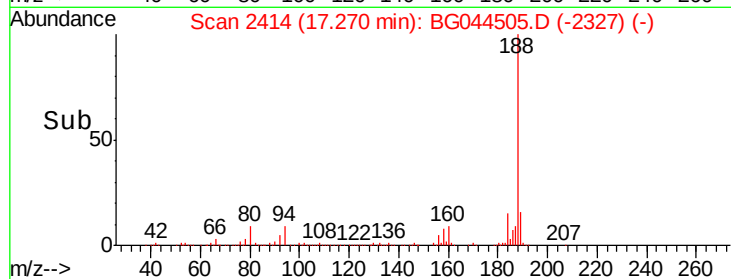
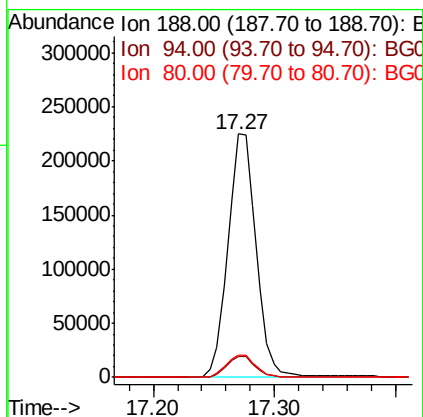
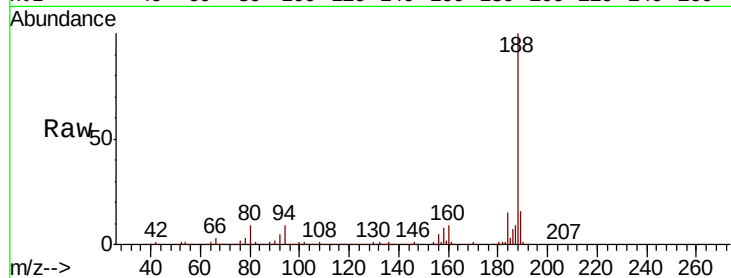




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

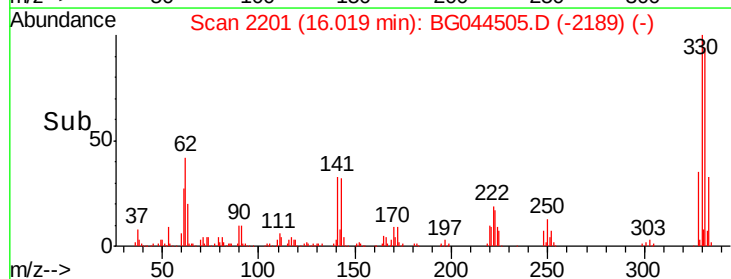
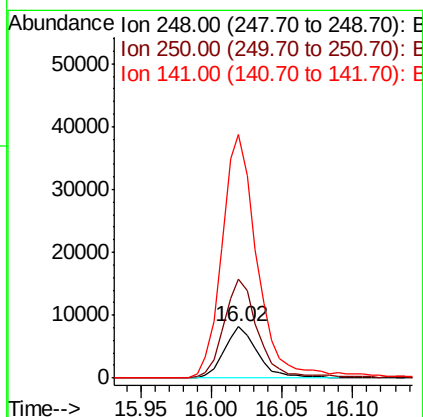
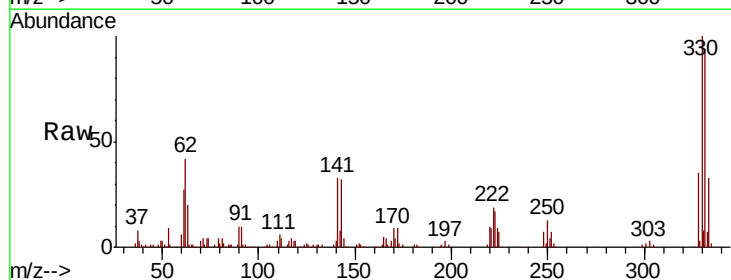
Instrument :
 BNA_G
 ClientSampleId :

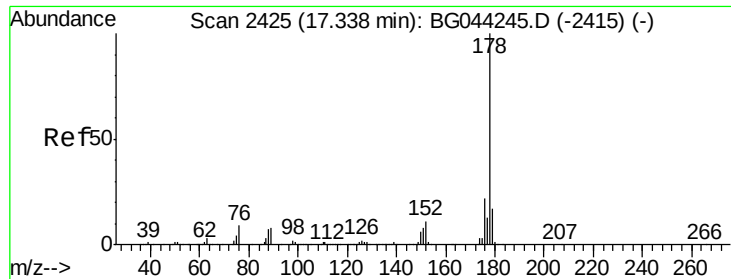
Tot Ion:188 Resp: 365037
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.4 11.2
 80 9.4 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.360 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.46 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion:248 Resp: 13363
 Ion Ratio Lower Upper
 248 100
 250 192.7 76.6 114.8#
 141 476.2 54.7 82.1#





#71

Phenanthrene

Concen: 3.501 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampled :

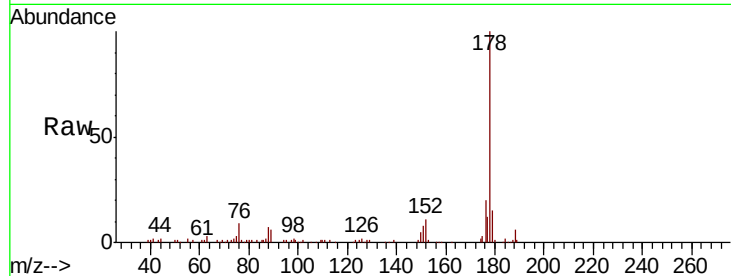
Tot Ion:178 Resp: 61883

Ion Ratio Lower Upper

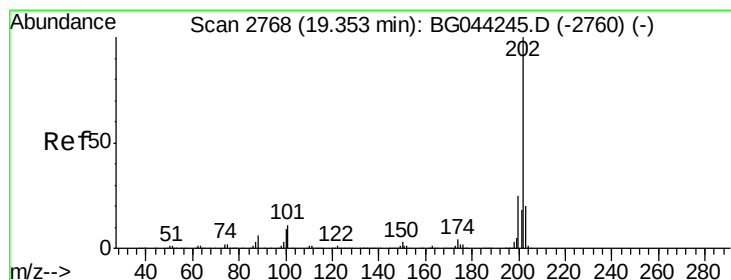
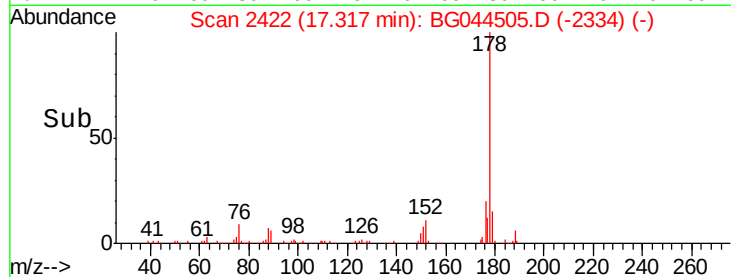
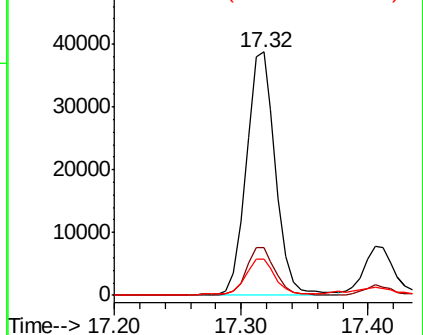
178 100

176 19.7 17.7 26.5

179 15.0 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 5.405 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

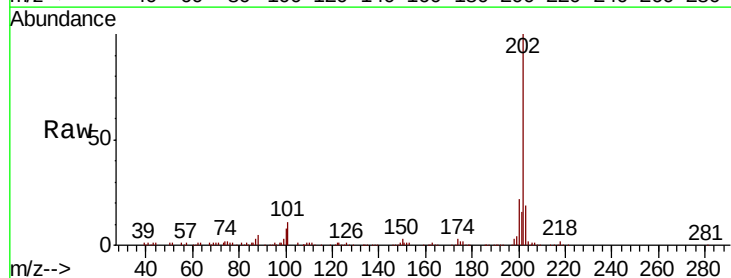
Tgt Ion:202 Resp: 110517

Ion Ratio Lower Upper

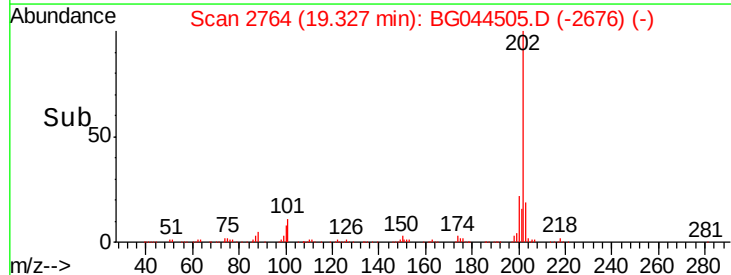
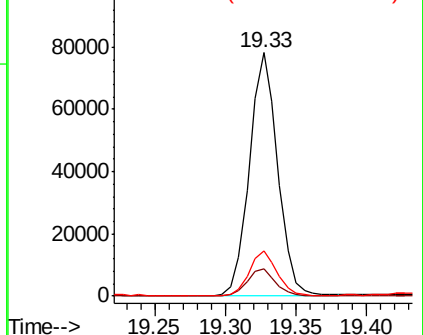
202 100

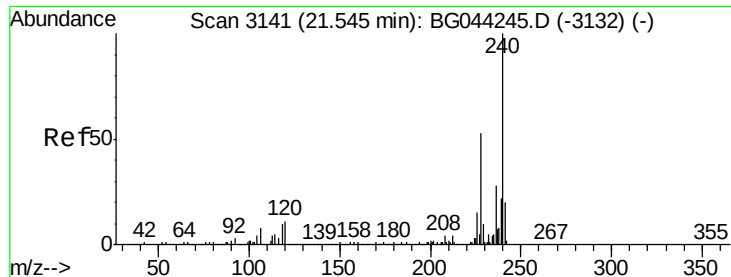
101 11.1 0.0 31.3

203 18.7 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

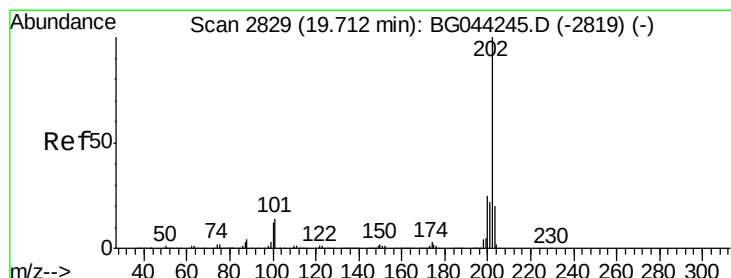
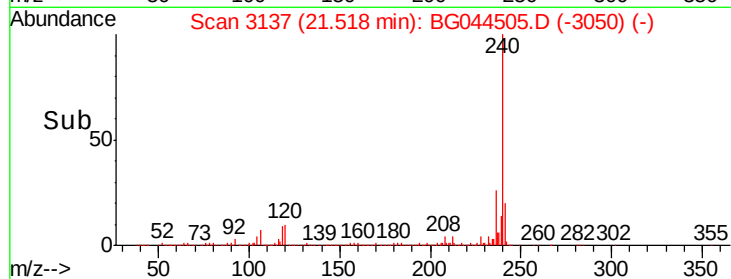
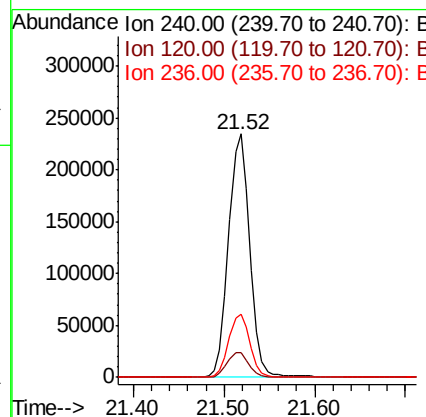
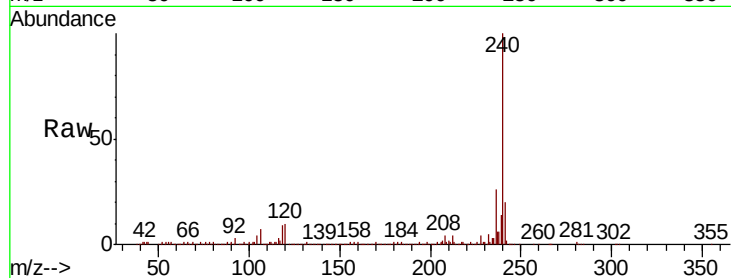




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

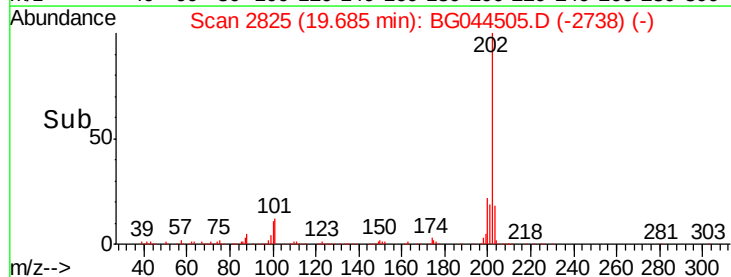
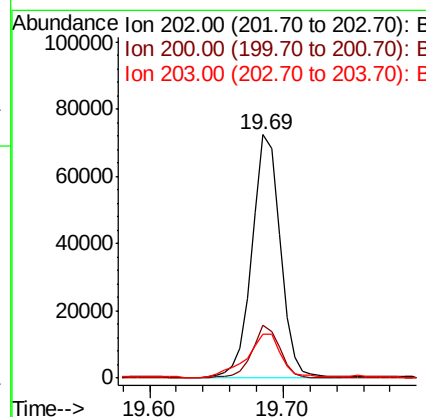
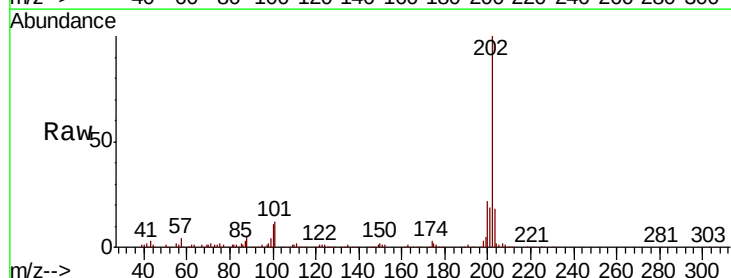
Instrument :
BNA_G
ClientSampleId :

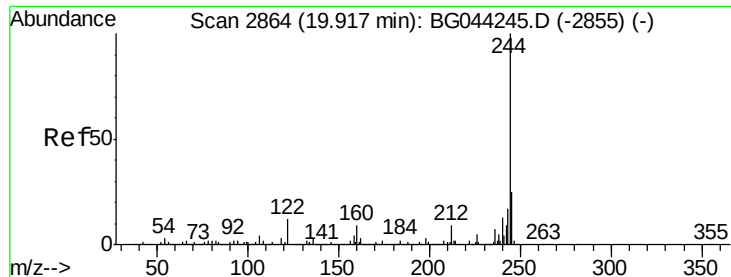
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.4	12.6
236	25.8	22.1	33.1



#78
Pyrene
Concen: 4.342 ng
RT: 19.69 min Scan# 2825
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	20.0	30.0
203	18.1	16.2	24.2

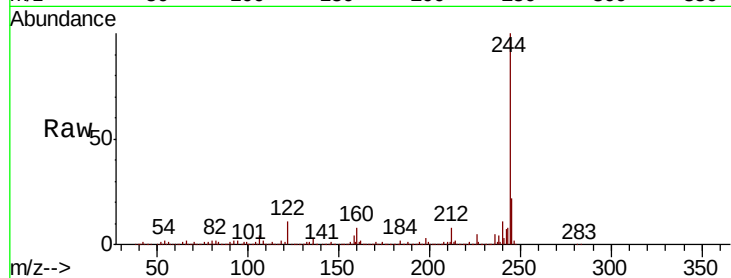




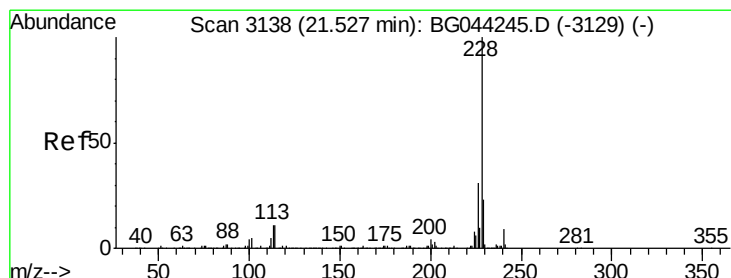
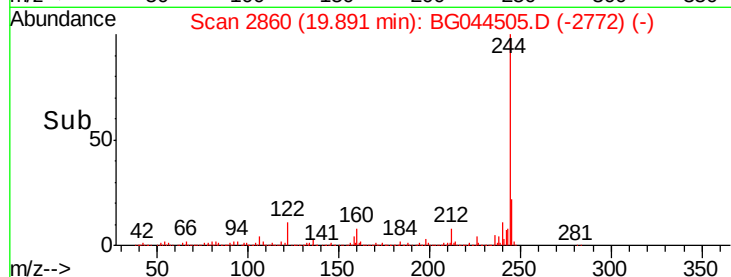
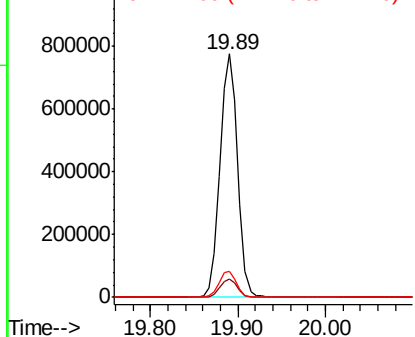
#79
 Terphenyl-d14
 Concen: 58.139 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1077881
 Ion Ratio Lower Upper
 244 100
 212 7.8 7.4 11.2
 122 10.6 9.8 14.6

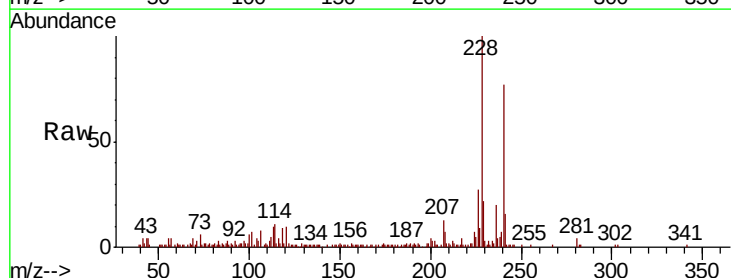


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

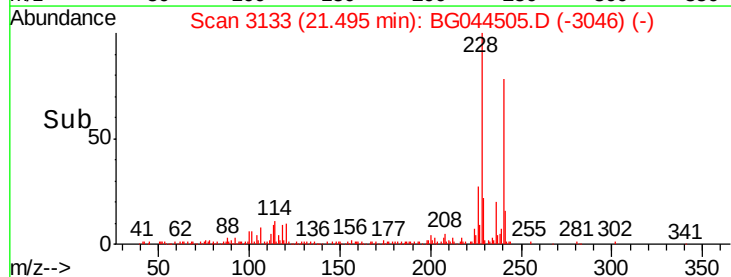
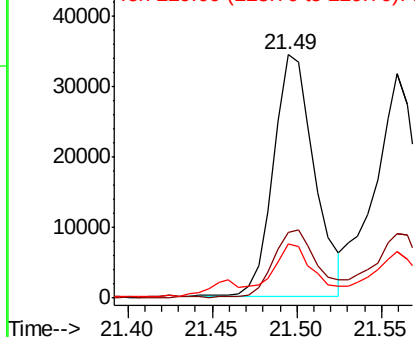


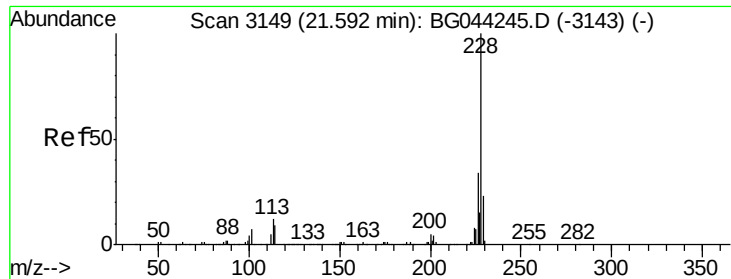
#81
 Benzo(a)anthracene
 Concen: 2.478 ng
 RT: 21.49 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG044505.D
 Acq: 20 Feb 2020 1:19

Tgt Ion:228 Resp: 58249
 Ion Ratio Lower Upper
 228 100
 226 27.1 24.7 37.1
 229 22.1 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

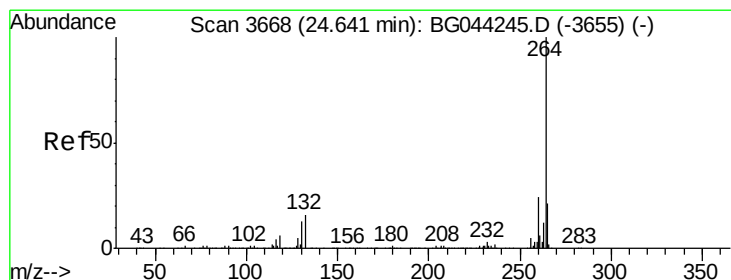
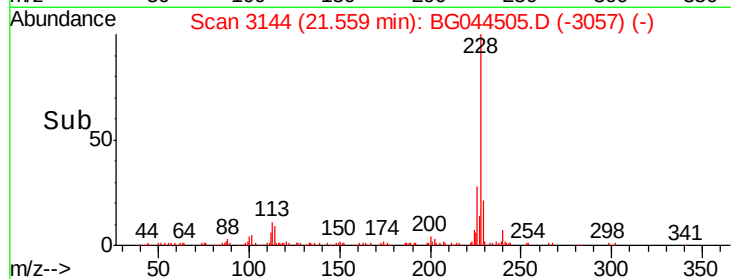
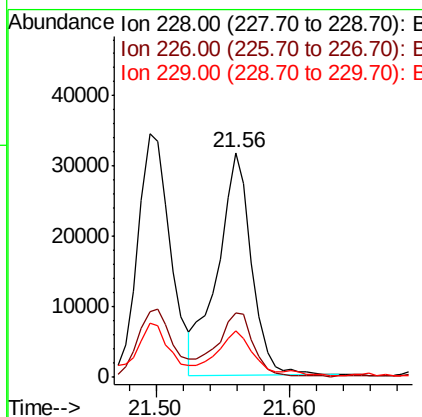
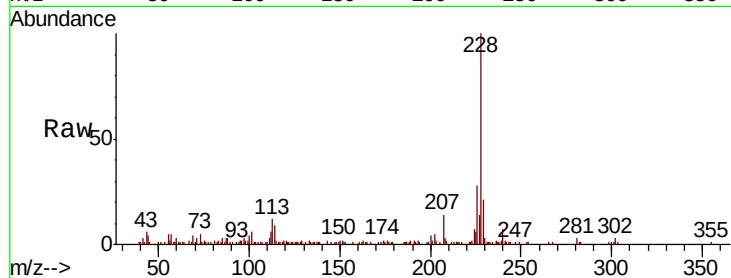




#83
Chrysene
Concen: 2.473 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

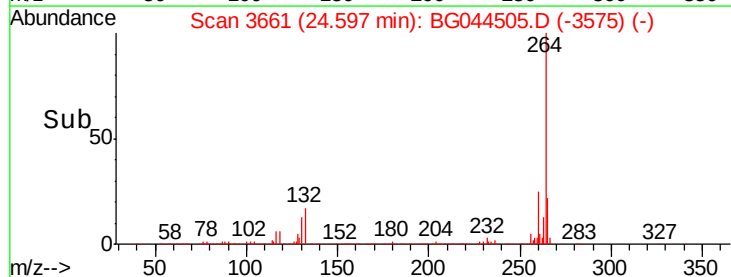
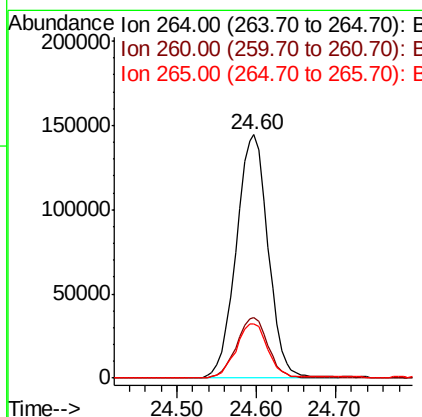
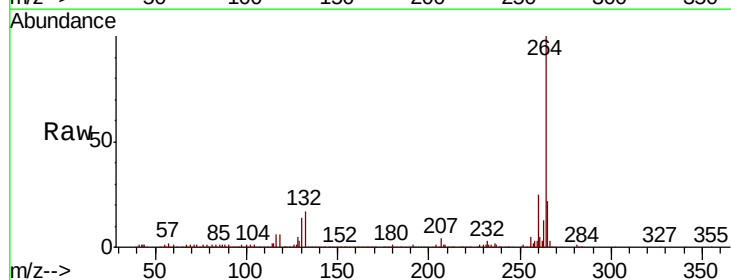
Instrument :
BNA_G
ClientSampleId :

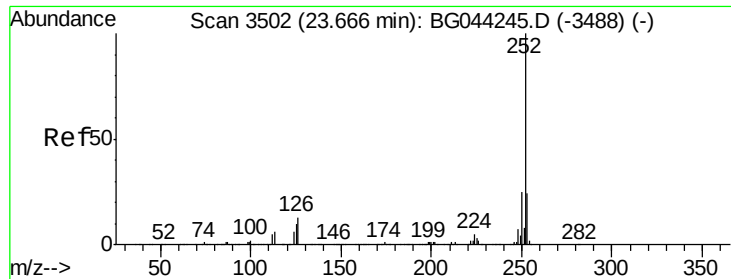
Tot Ion:228 Resp: 56174
Ion Ratio Lower Upper
228 100
226 28.5 27.1 40.7
229 20.6 17.9 26.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3661
Delta R.T. -0.02 min
Lab File: BG044505.D
Acq: 20 Feb 2020 1:19

Tgt Ion:264 Resp: 402701
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 22.3 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 3.402 ng

RT: 23.62 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

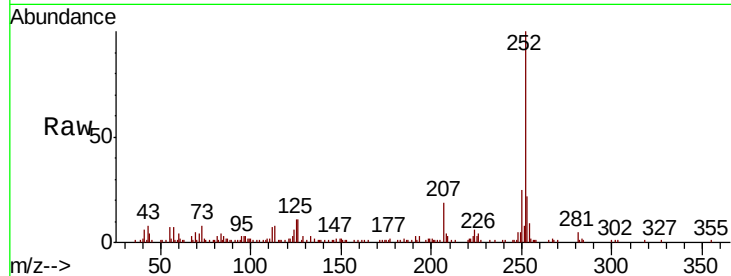
Tot Ion:252 Resp: 78941

Ion Ratio Lower Upper

252 100

253 22.3 19.2 28.8

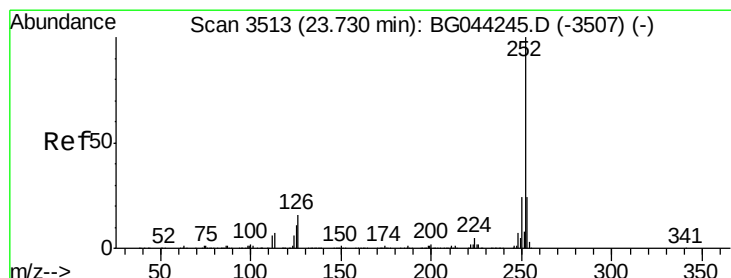
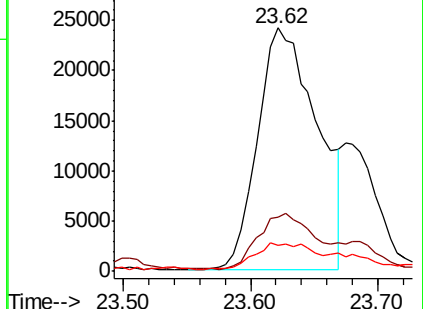
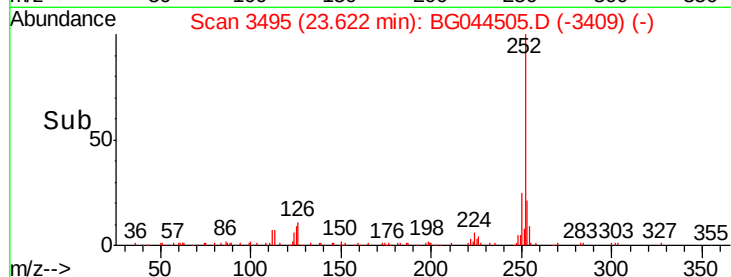
125 10.6 8.4 12.6



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: 3.490 ng

RT: 23.62 min Scan# 3495

Delta R.T. -0.09 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

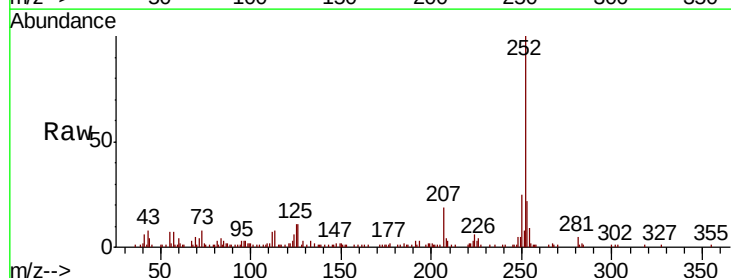
Tgt Ion:252 Resp: 78941

Ion Ratio Lower Upper

252 100

253 22.3 19.1 28.7

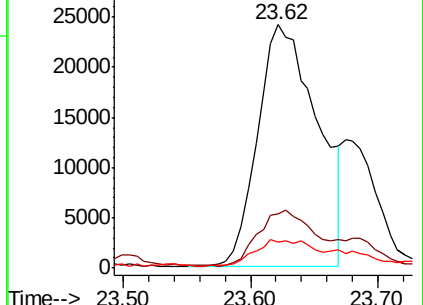
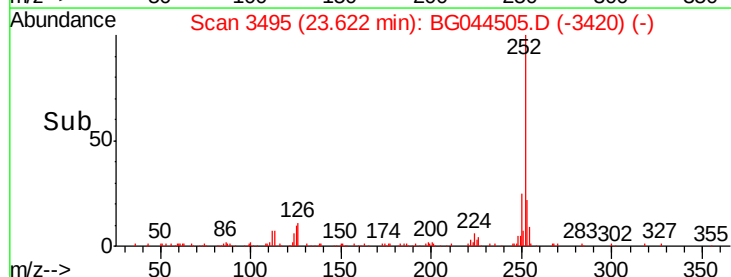
125 10.6 8.6 12.8

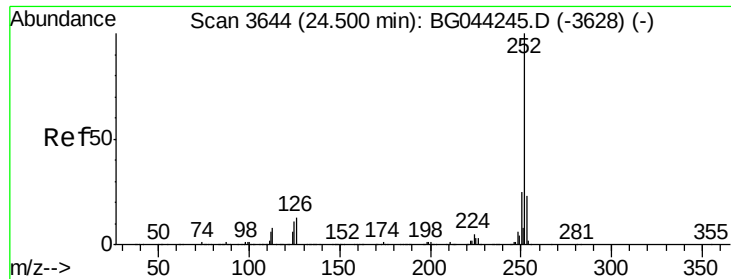


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.585 ng

RT: 24.44 min Scan# 3635

Delta R.T. -0.03 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

Instrument :

BNA_G

ClientSampleId :

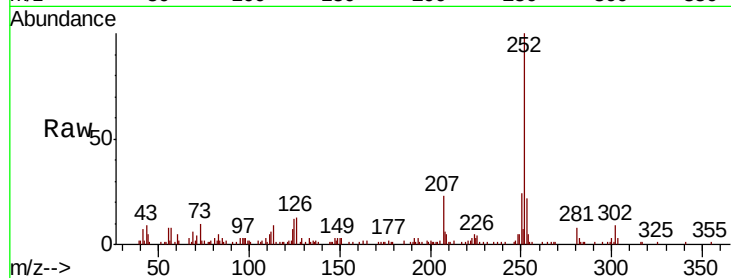
Tot Ion:252 Resp: 56707

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

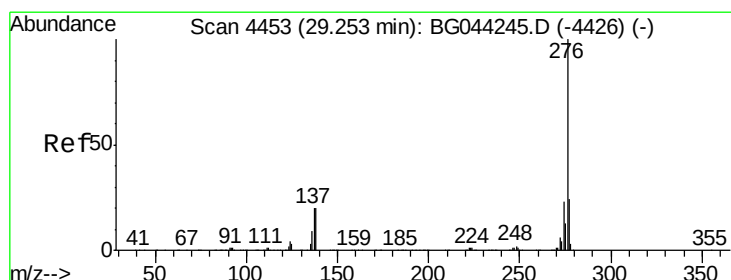
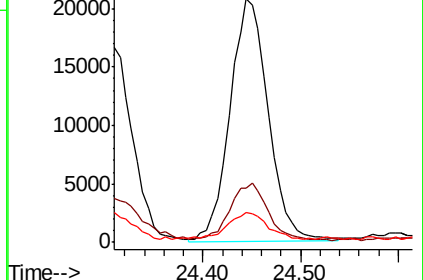
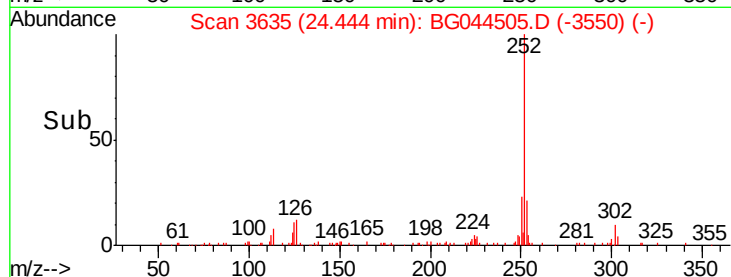
125 12.3 8.6 13.0



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: 2.124 ng

RT: 29.16 min Scan# 4438

Delta R.T. -0.04 min

Lab File: BG044505.D

Acq: 20 Feb 2020 1:19

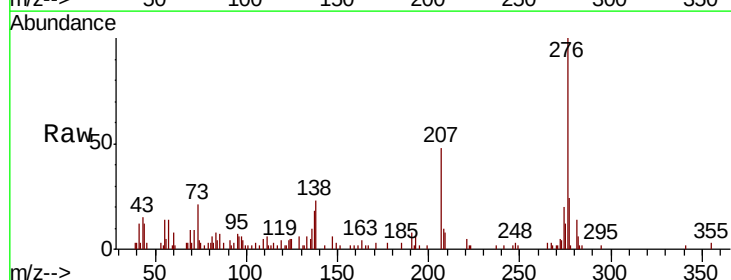
Tgt Ion:276 Resp: 46162

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 22.8 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

