

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021720\
 Data File : BG044459.D
 Acq On : 17 Feb 2020 22:55
 Operator : CG/JU
 Sample : L1547-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 06:07:57 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

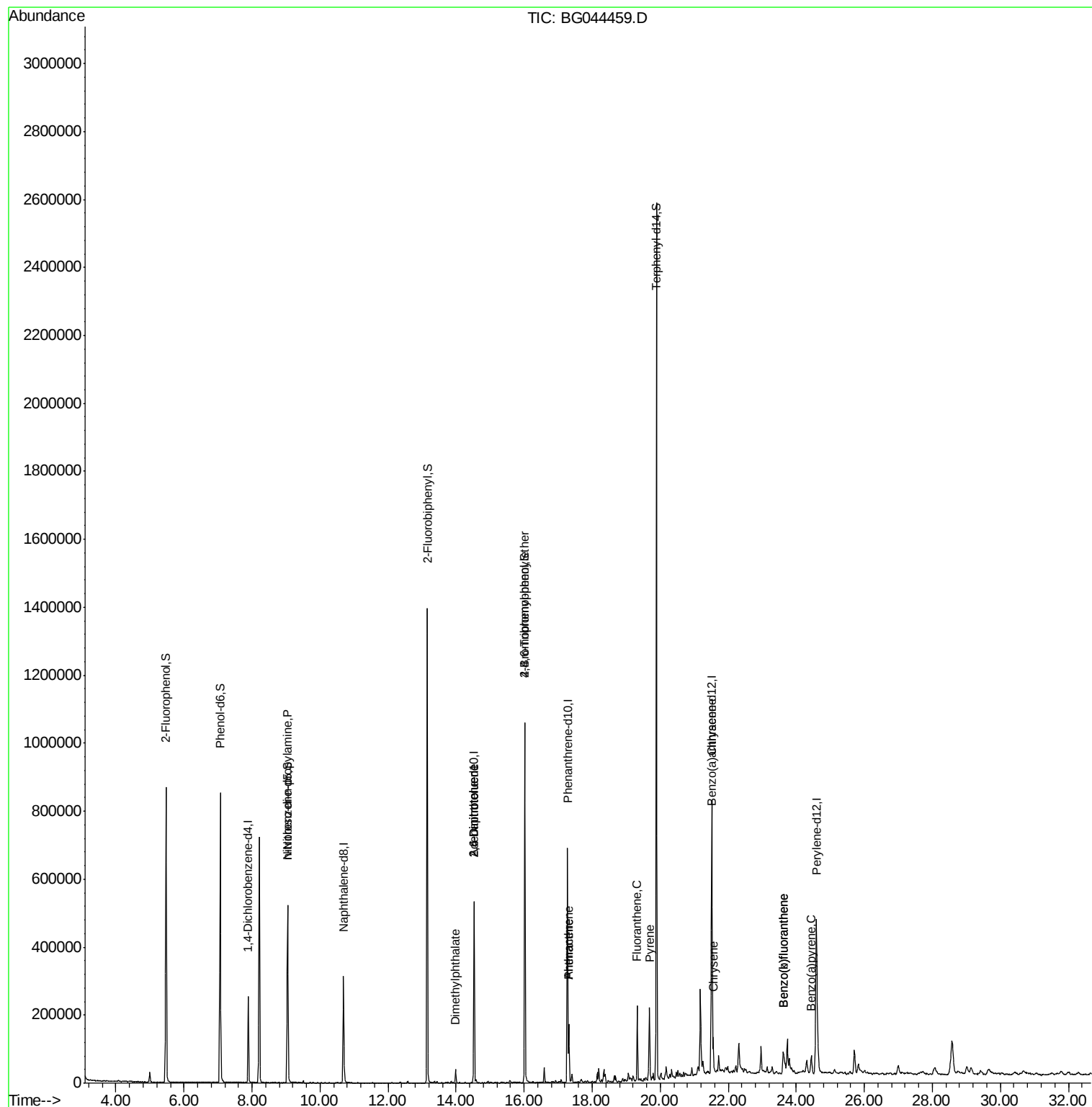
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	76239	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	307241	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	194960	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	436521	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	437602	20.00	ng	-0.02
87) Perylene-d12	24.59	264	469870	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	440836	102.05	ng	0.00
7) Phenol-d6	7.06	99	567444	97.82	ng	-0.01
23) Nitrobenzene-d5	9.04	82	344934	63.38	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	222808	97.35	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	808208	69.42	ng	-0.01
79) Terphenyl-d14	19.89	244	1267540	59.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.04	70	44675	11.556	ng	Qvalue # 78
50) Dimethylphthalate	13.99	163	32855	2.344	ng	100
51) 2,6-Dinitrotoluene	14.53	165	25391	8.126	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	25391	5.798	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	14627	3.076	ng	# 1
71) Phenanthrene	17.31	178	112760	5.335	ng	95
72) Anthracene	17.31	178	112760	5.396	ng	95
75) Fluoranthene	19.33	202	140604	5.750	ng	95
78) Pyrene	19.69	202	137254	4.884	ng	94
81) Benzo(a)anthracene	21.50	228	67316	2.496	ng	91
83) Chrysene	21.56	228	67489	2.589	ng	93
88) Benzo(b)fluoranthene	23.62	252	78523	2.900	ng	97
89) Benzo(k)fluoranthene	23.62	252	78523	2.976	ng	97
90) Benzo(a)pyrene	24.44	252	55302	2.160	ng	99

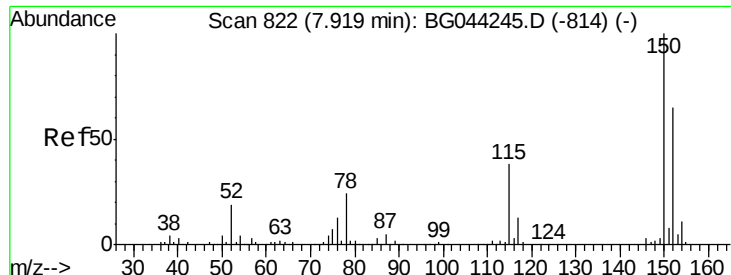
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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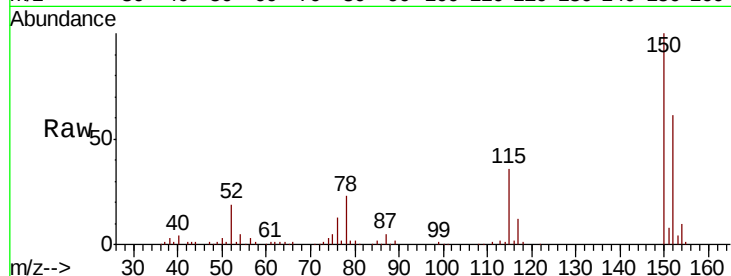


#1

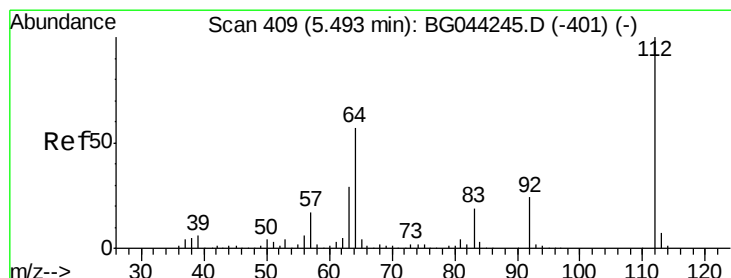
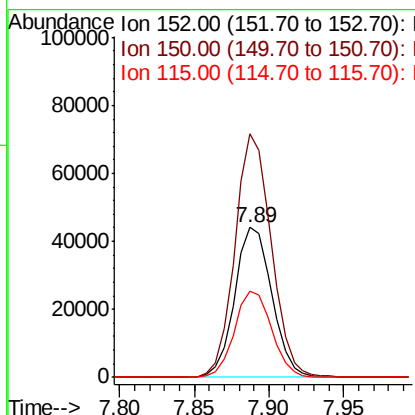
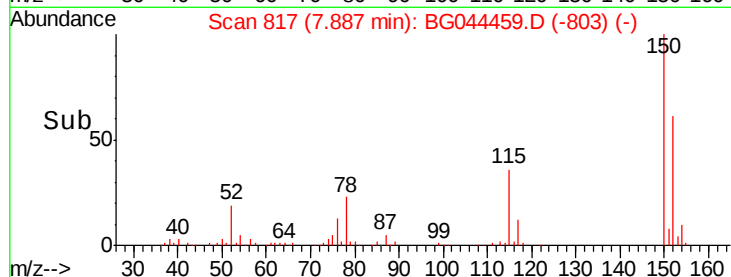
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044459.D
Acq: 17 Feb 2020 22:55

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	122.6	183.8
115	57.8	46.0	69.0



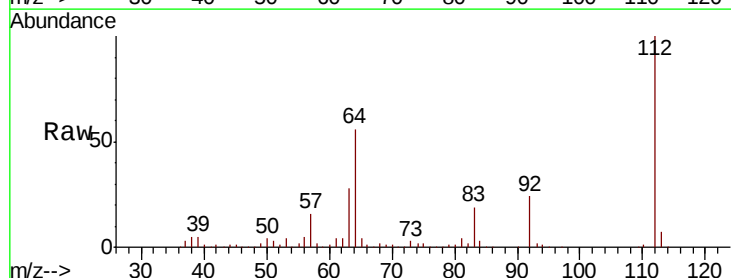
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



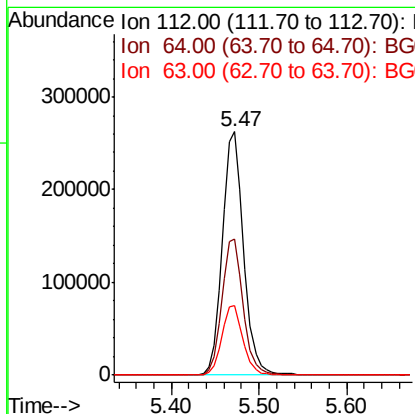
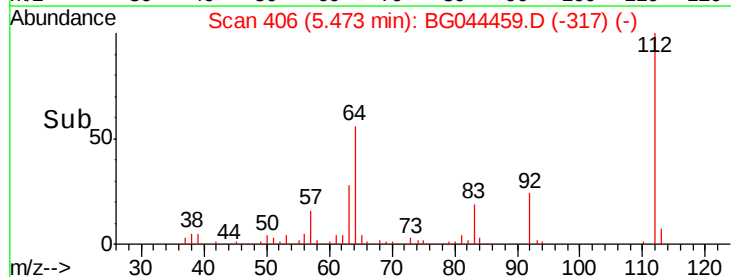
#5

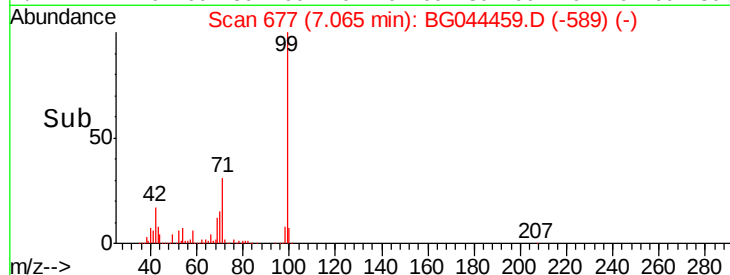
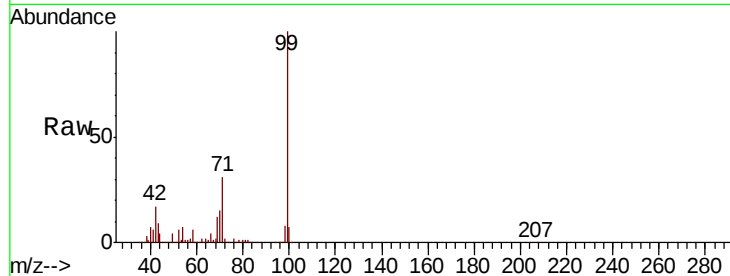
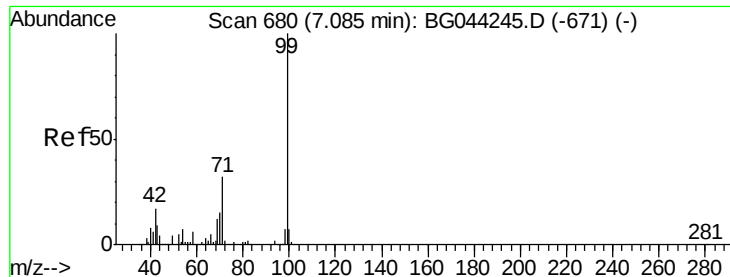
2-Fluorophenol
Concen: 102.048 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.01 min
Lab File: BG044459.D
Acq: 17 Feb 2020 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.4	68.2
63	28.3	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: 97.819 ng

RT: 7.06 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

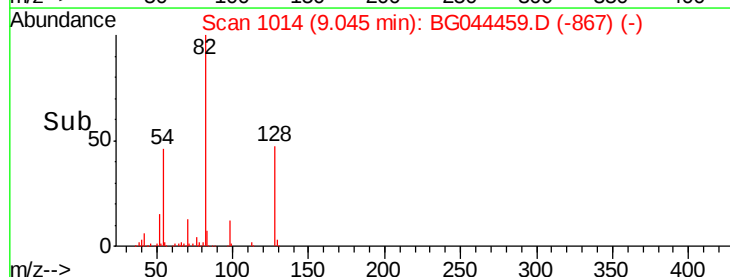
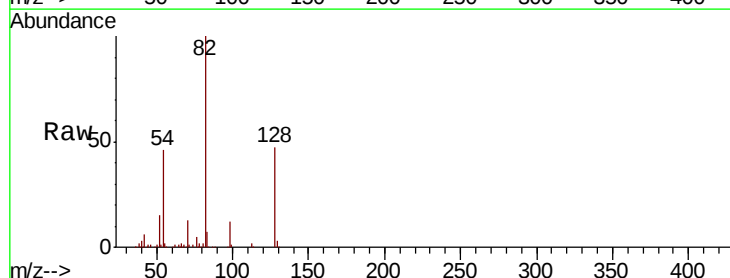
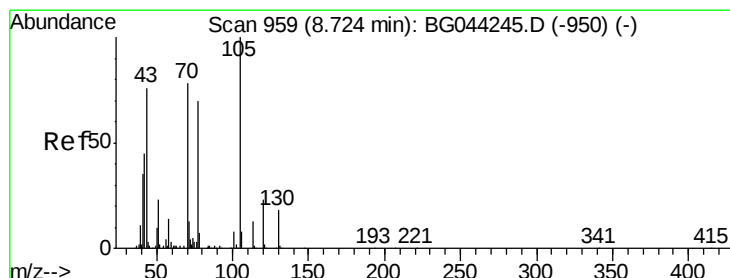
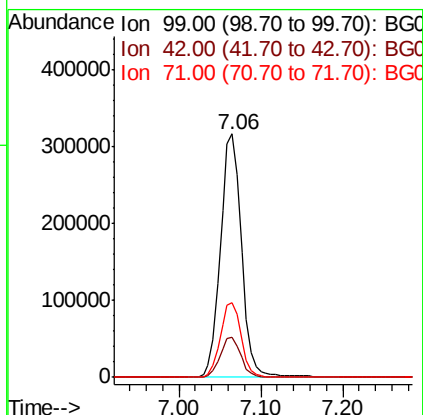
Tot Ion: 99 Resp: 567444

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 30.7 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.556 ng

RT: 9.04 min Scan# 1014

Delta R.T. 0.33 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Tgt Ion: 70 Resp: 44675

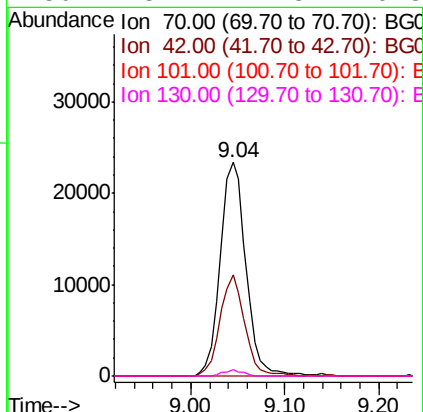
Ion Ratio Lower Upper

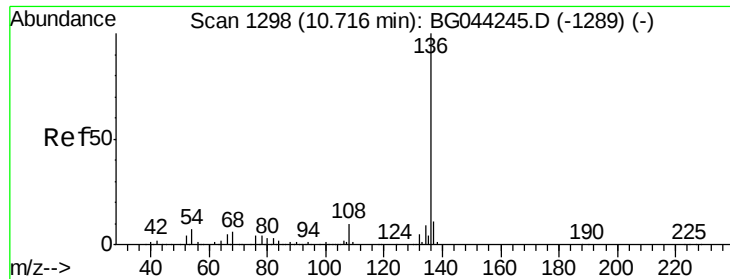
70 100

42 47.6 46.2 69.2

101 0.0 8.4 12.6#

130 3.1 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 307241

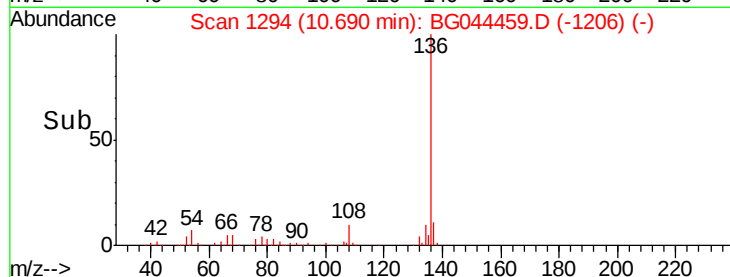
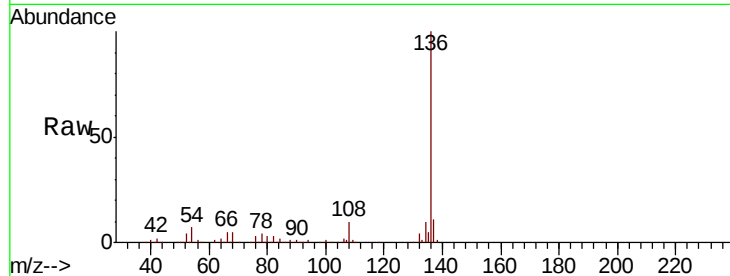
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.1 5.8 8.8

68 5.2 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): E

250000 Ion 137.00 (136.70 to 137.70): E

200000 Ion 54.00 (53.70 to 54.70): BGC

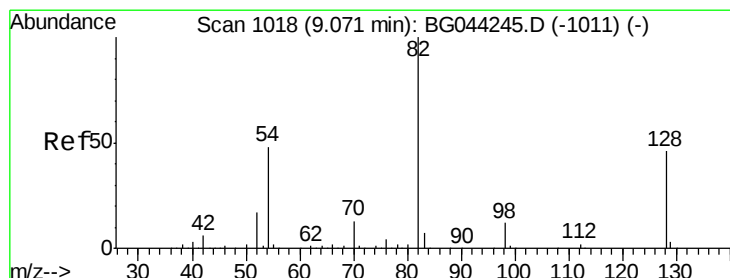
150000 Ion 68.00 (67.70 to 68.70): BGC

100000

50000

0

Time-->



#23

Nitrobenzene-d5

Concen: 63.382 ng

RT: 9.04 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

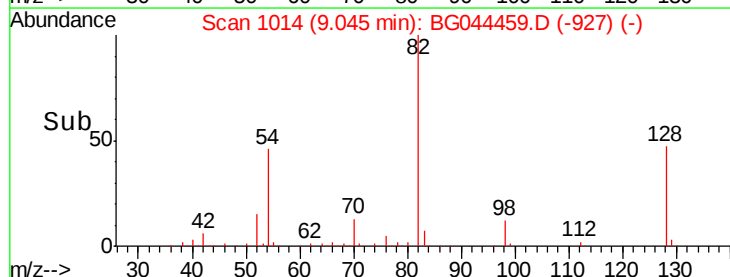
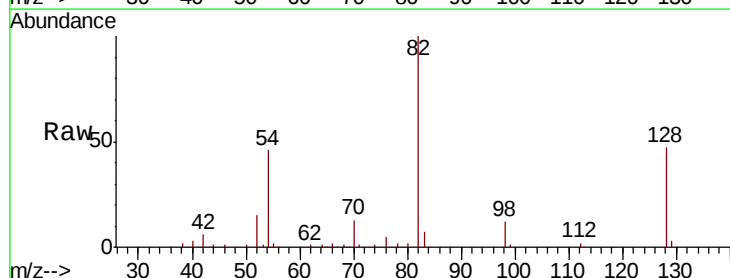
Tgt Ion: 82 Resp: 344934

Ion Ratio Lower Upper

82 100

128 47.1 36.5 54.7

54 45.9 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

250000 Ion 128.00 (127.70 to 128.70): E

200000 Ion 54.00 (53.70 to 54.70): BGC

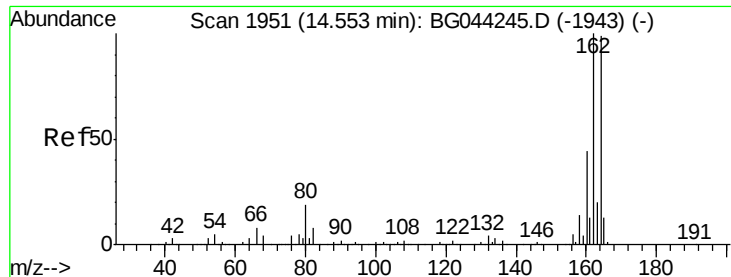
150000

100000

50000

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

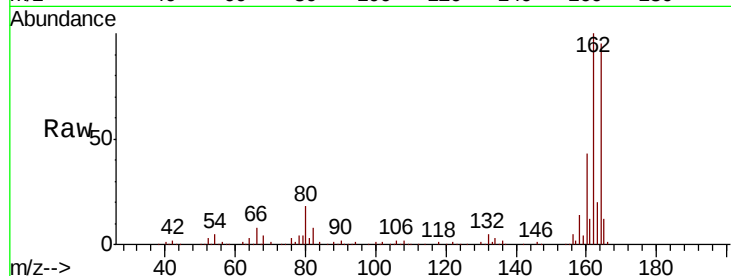
Tot Ion:164 Resp: 194960

Ion Ratio Lower Upper

164 100

162 105.3 80.7 121.1

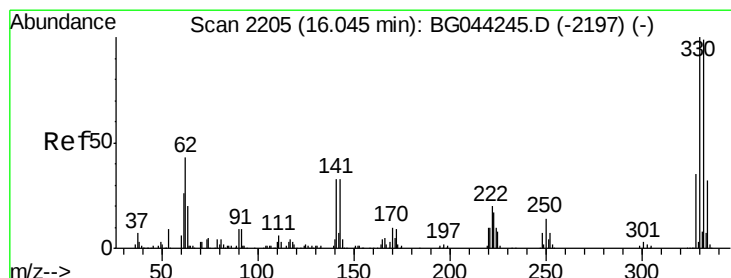
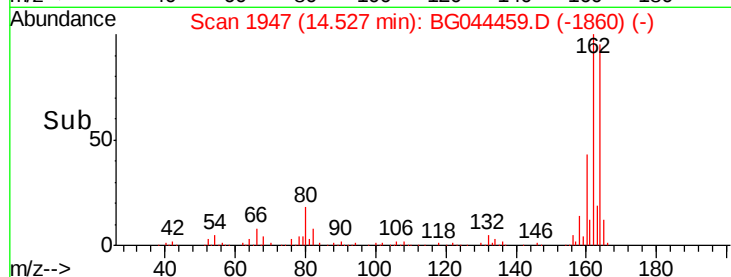
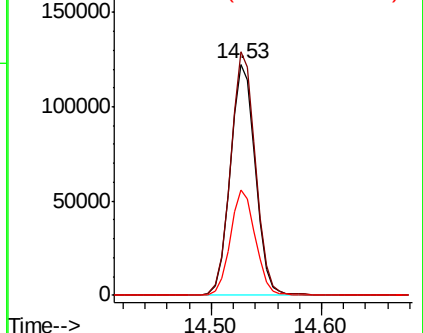
160 45.4 35.3 52.9



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: 97.351 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

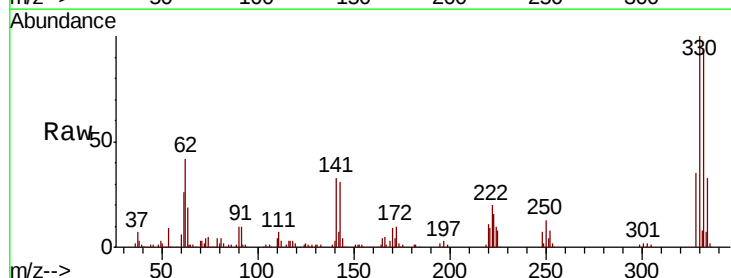
Tgt Ion:330 Resp: 222808

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

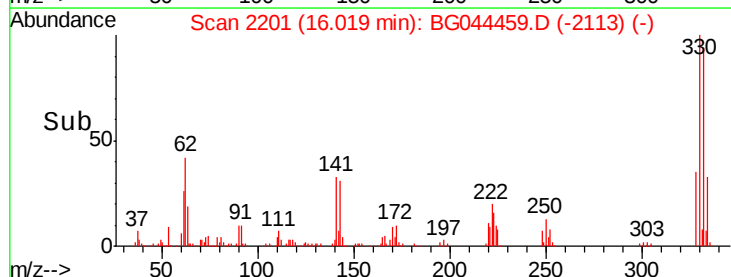
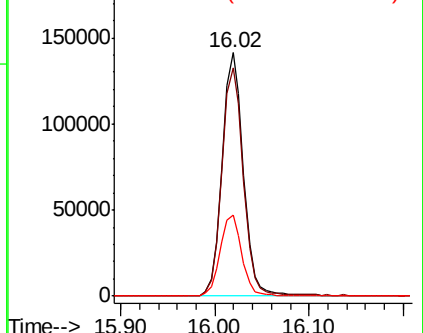
141 34.0 28.3 42.5

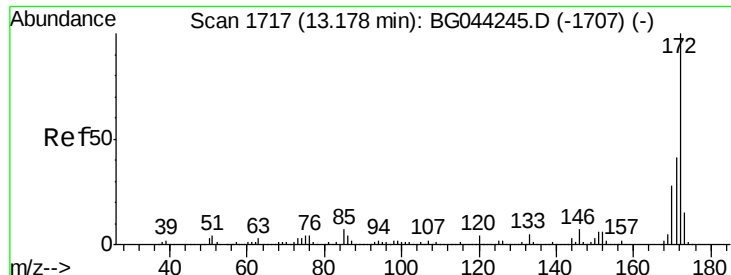


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

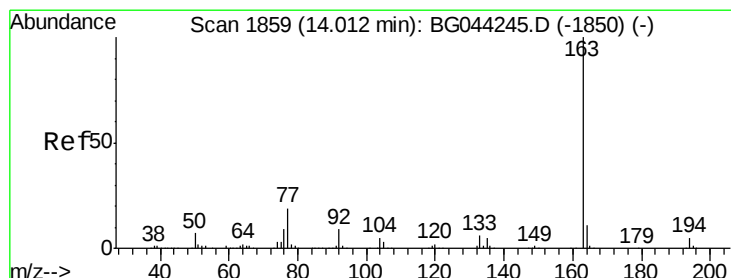
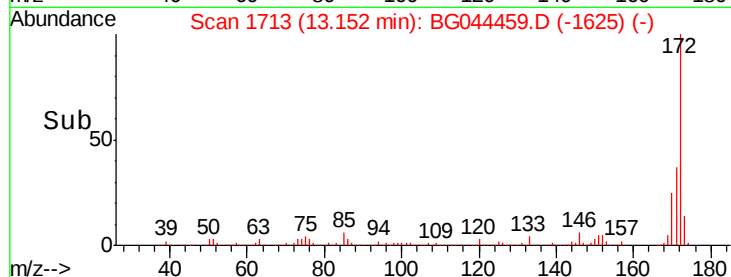
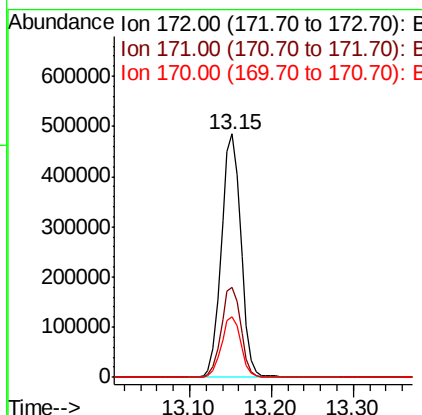
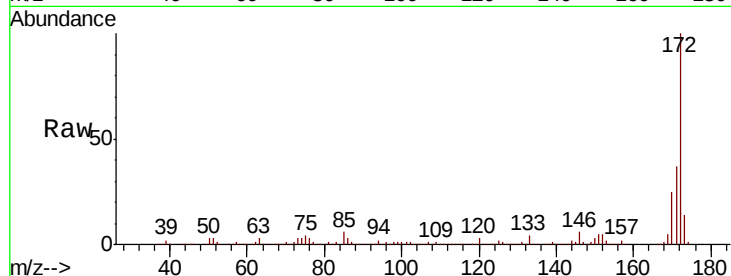




#45
 2-Fluorobiphenyl
 Concen: 69.419 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044459.D
 Acq: 17 Feb 2020 22:55

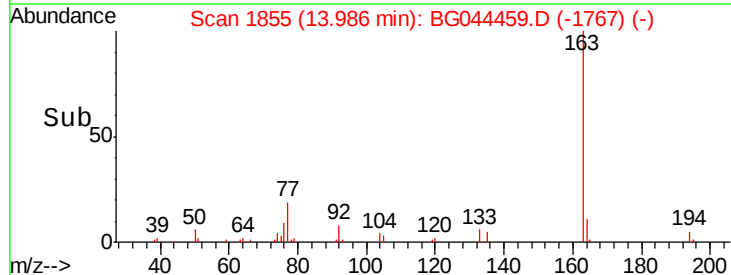
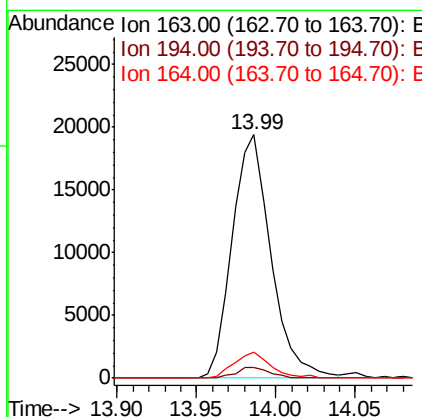
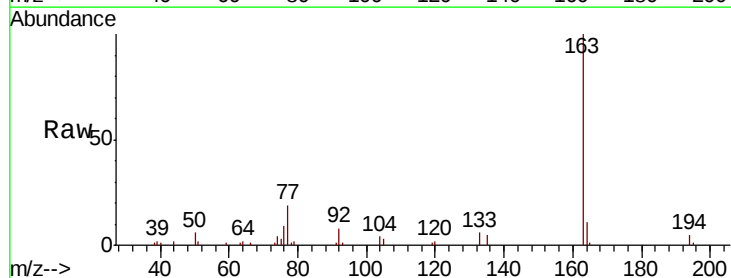
Instrument :
 BNA_G
 ClientSampleId :

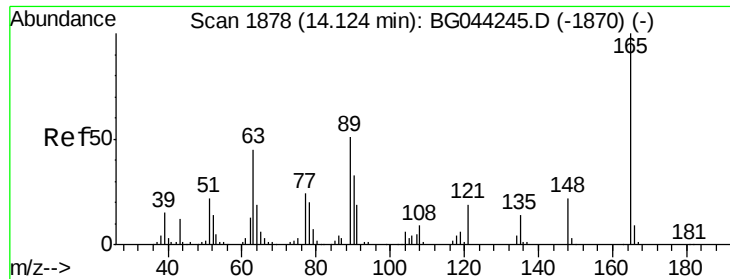
Tot Ion:172 Resp: 808208
 Ion Ratio Lower Upper
 172 100
 171 36.9 32.9 49.3
 170 25.1 22.0 33.0



#50
 Dimethylphthalate
 Concen: 2.344 ng
 RT: 13.99 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BG044459.D
 Acq: 17 Feb 2020 22:55

Tgt Ion:163 Resp: 32855
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.6 5.4
 164 10.8 8.7 13.1

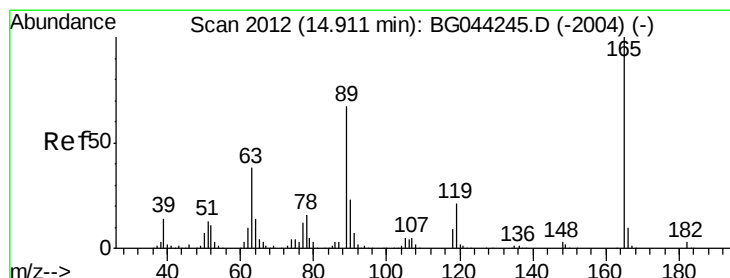
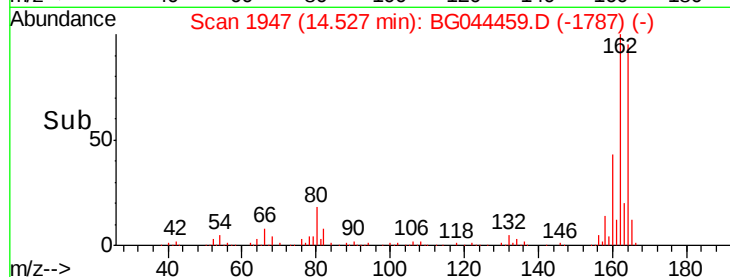
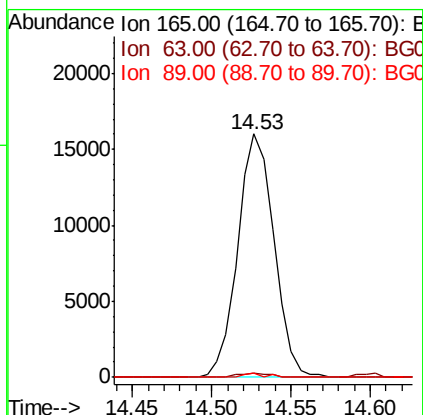
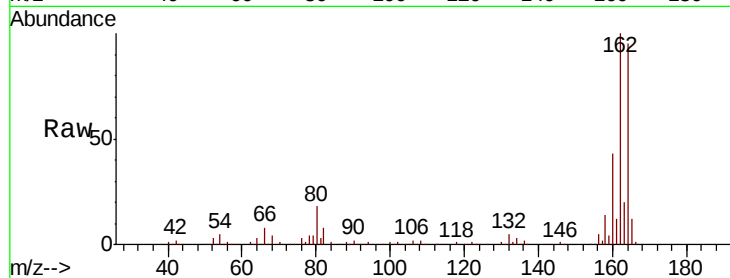




#51
 2,6-Dinitrotoluene
 Concen: 8.126 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044459.D
 Acq: 17 Feb 2020 22:55

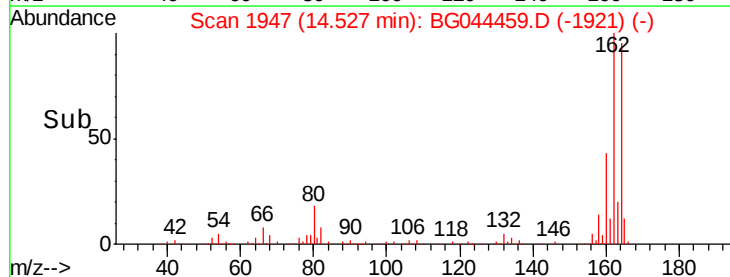
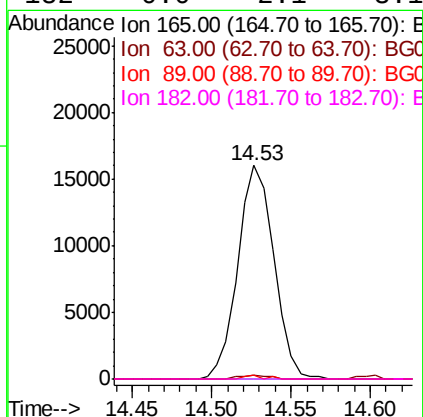
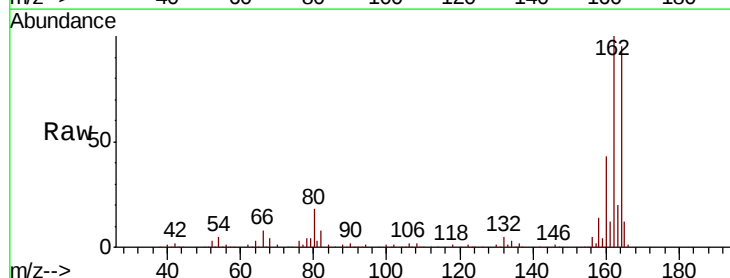
Instrument :
 BNA_G
 ClientSampleId :

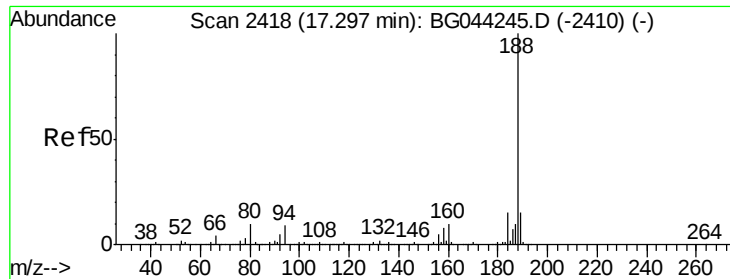
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	38.7	58.1#
89	1.6	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.798 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.38 min
 Lab File: BG044459.D
 Acq: 17 Feb 2020 22:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	30.3	45.5#
89	1.6	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: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

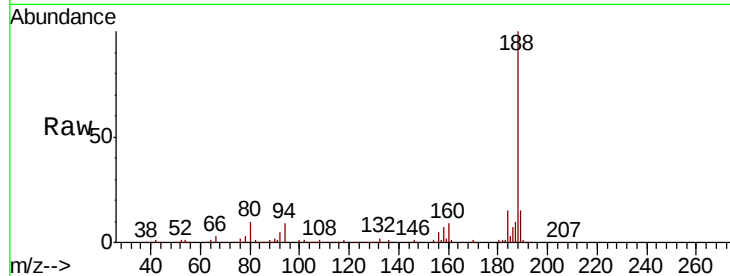
Tot Ion:188 Resp: 436521

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

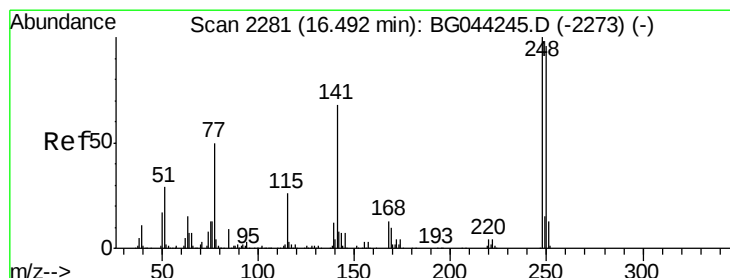
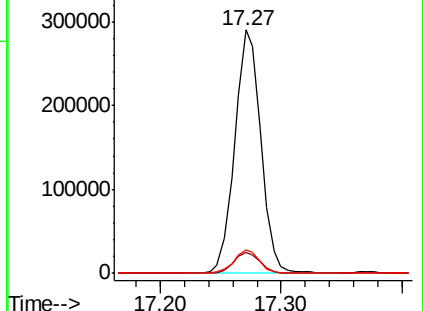
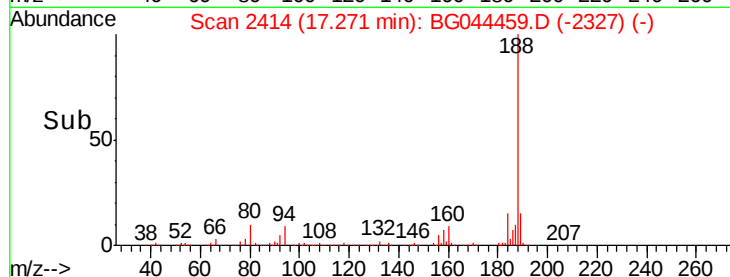
80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.076 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.46 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

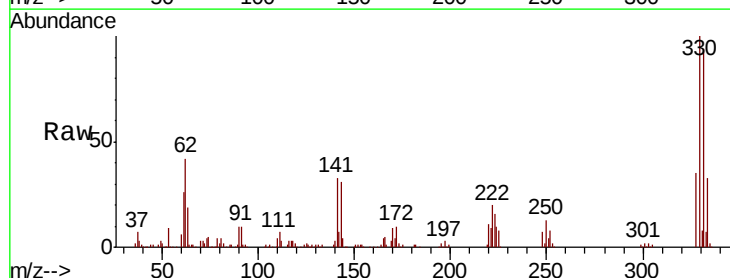
Tgt Ion:248 Resp: 14627

Ion Ratio Lower Upper

248 100

250 200.2 76.6 114.8#

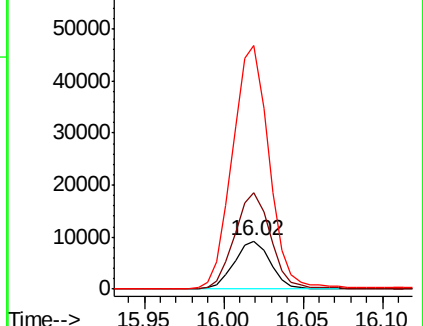
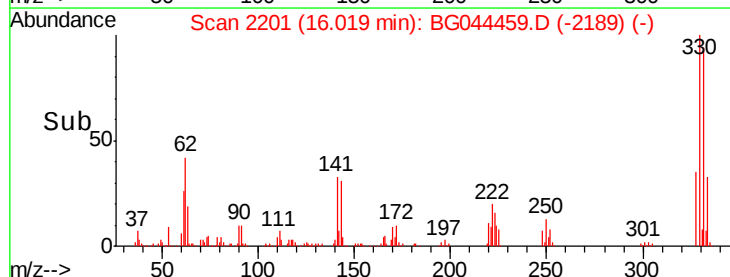
141 507.3 54.7 82.1#

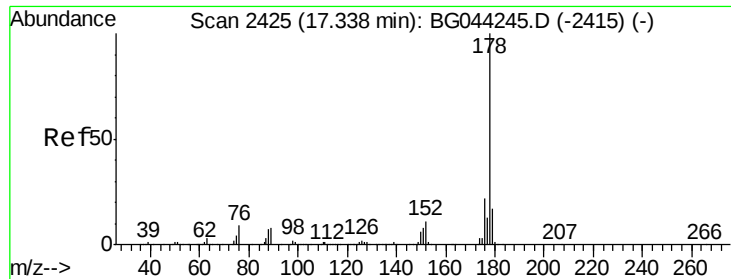


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.335 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

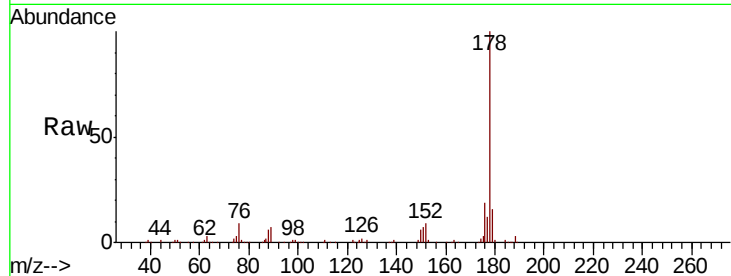
Tot Ion:178 Resp: 112760

Ion Ratio Lower Upper

178 100

176 19.2 17.7 26.5

179 15.7 13.7 20.5

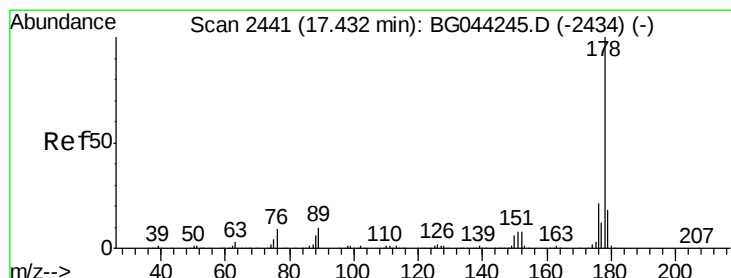
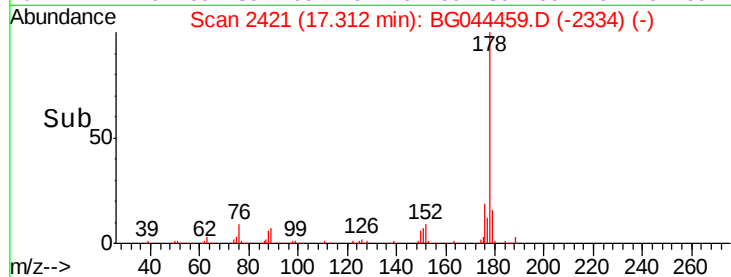
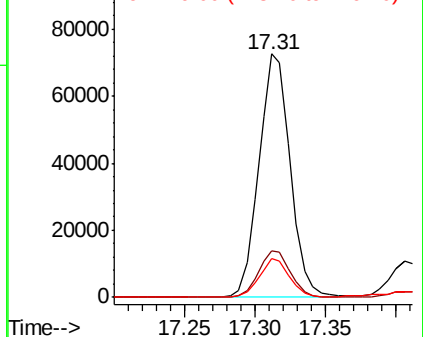


Abundance

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



#72

Anthracene

Concen: 5.396 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.11 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

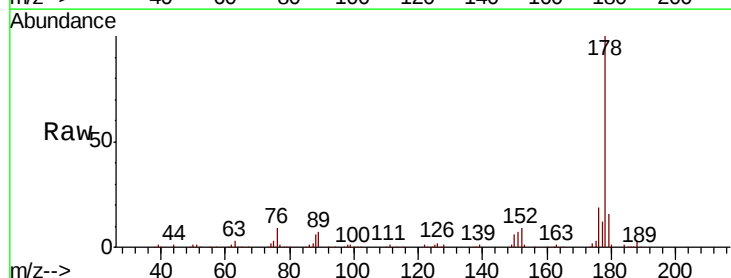
Tgt Ion:178 Resp: 112760

Ion Ratio Lower Upper

178 100

176 19.2 17.0 25.4

179 15.7 14.4 21.6

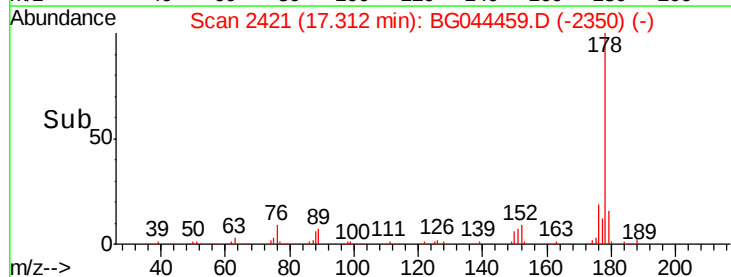
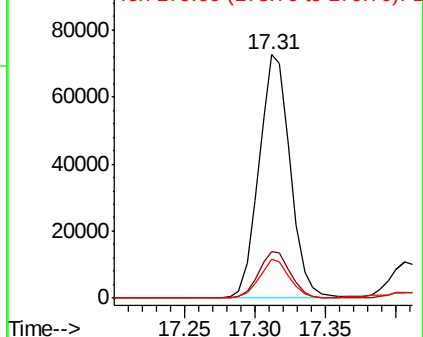


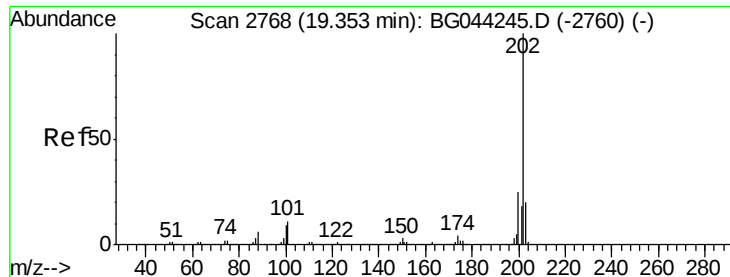
Abundance

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: 5.750 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

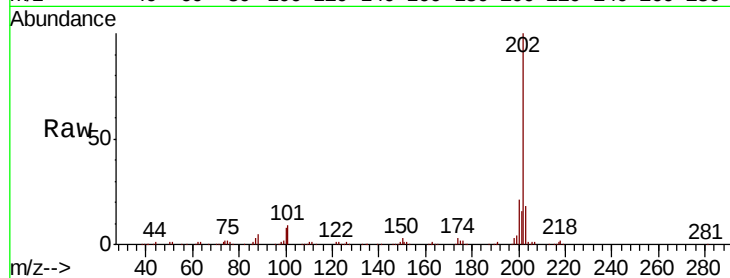
Tot Ion:202 Resp: 140604

Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.3

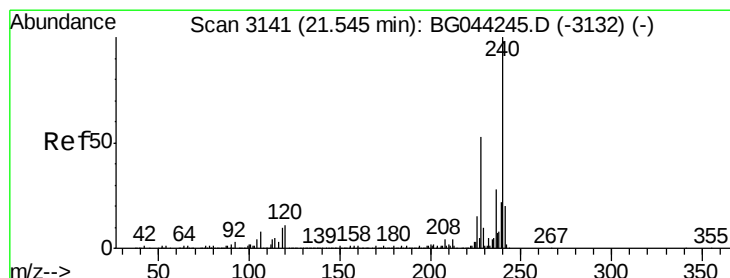
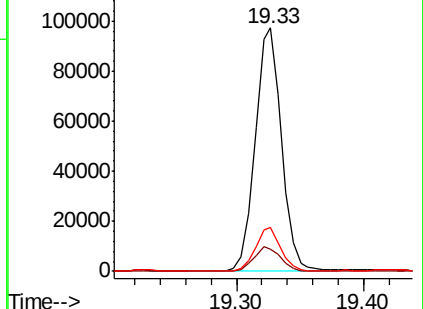
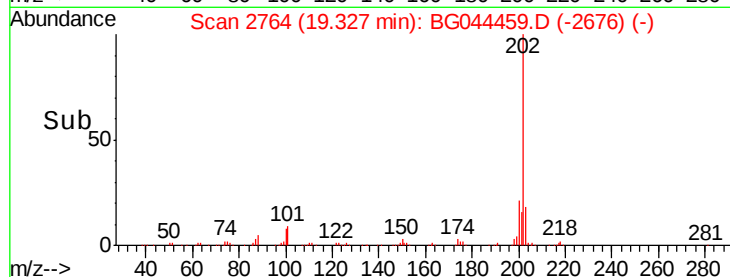
203 18.0 0.0 39.9



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: 21.51 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

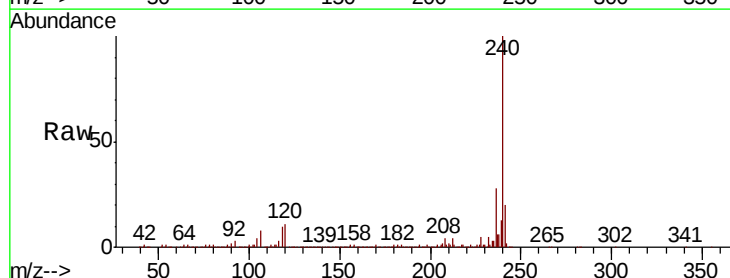
Tgt Ion:240 Resp: 437602

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

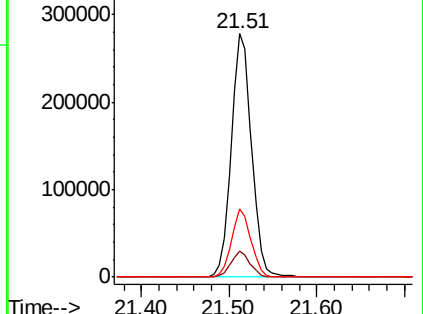
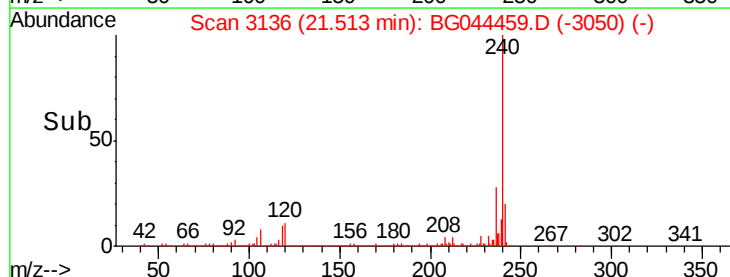
236 27.8 22.1 33.1

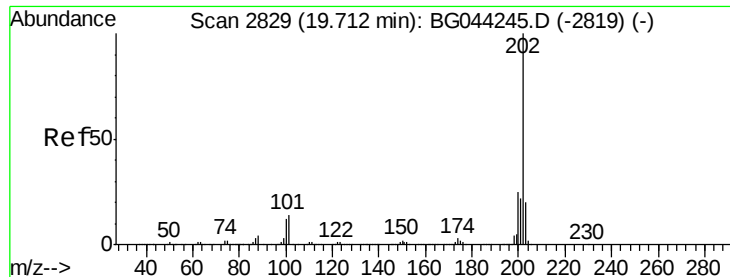


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.884 ng

RT: 19.69 min Scan# 2825

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

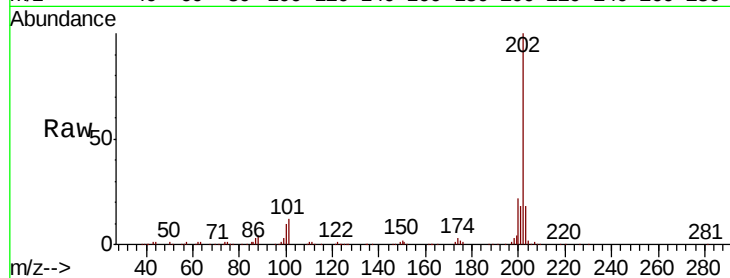
Tot Ion:202 Resp: 137254

Ion Ratio Lower Upper

202 100

200 21.6 20.0 30.0

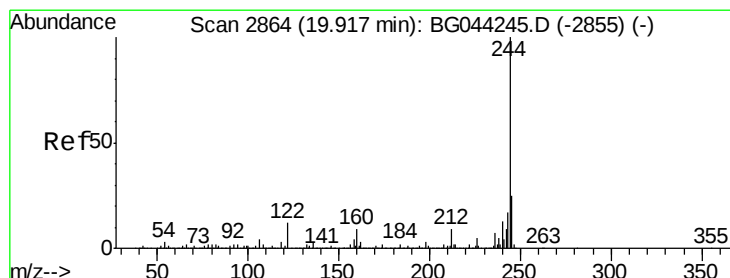
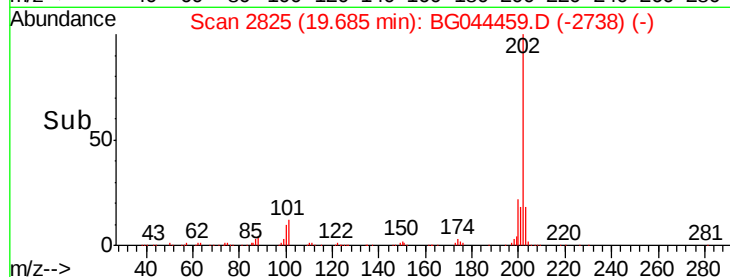
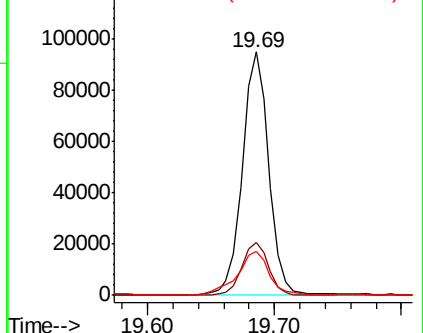
203 18.3 16.2 24.2



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: 59.578 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

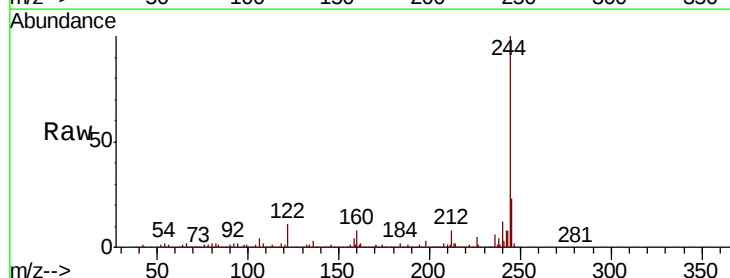
Tgt Ion:244 Resp: 1267540

Ion Ratio Lower Upper

244 100

212 8.0 7.4 11.2

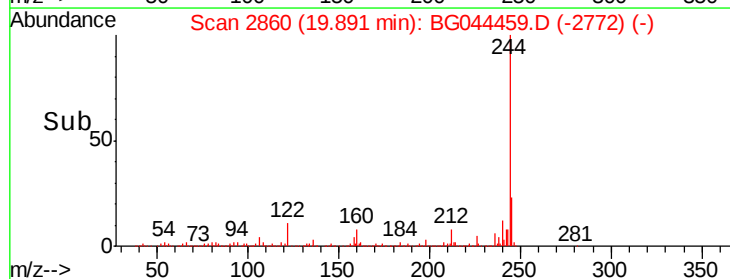
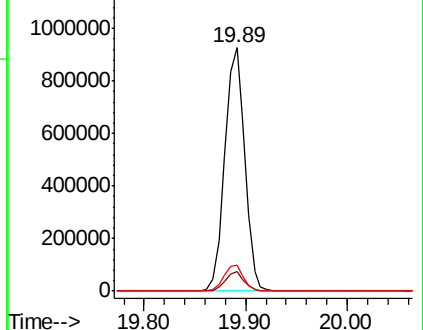
122 10.5 9.8 14.6

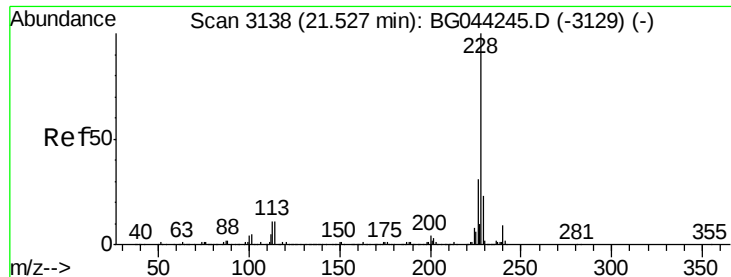


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

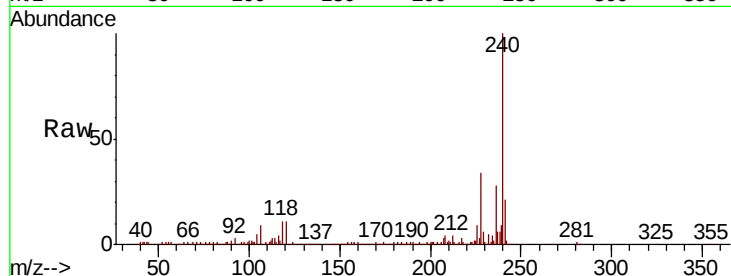




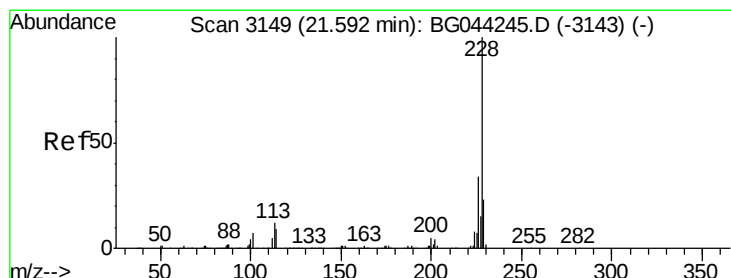
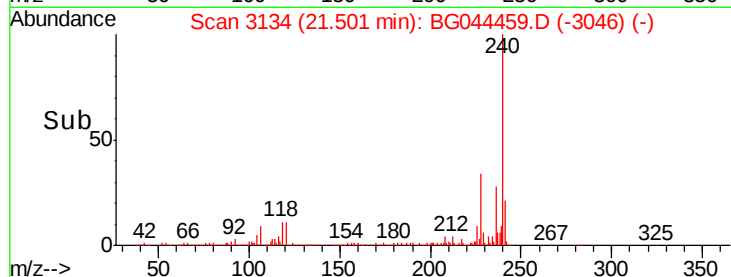
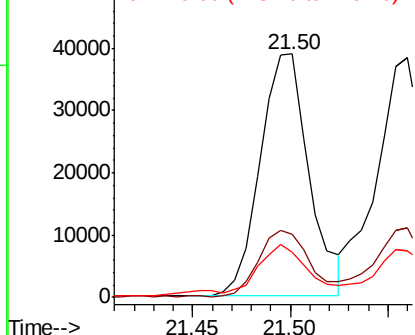
#81
Benzo(a)anthracene
Concen: 2.496 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG044459.D
Acq: 17 Feb 2020 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 67316
Ion Ratio Lower Upper
228 100
226 26.2 24.7 37.1
229 18.5 18.2 27.4

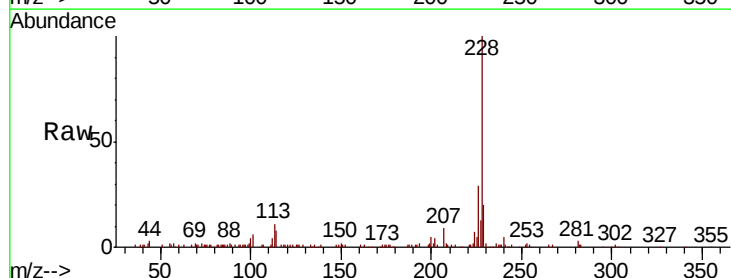


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

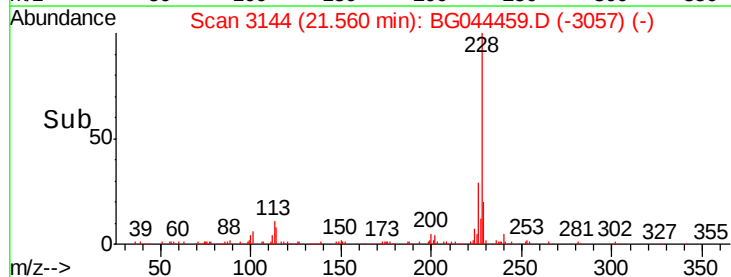
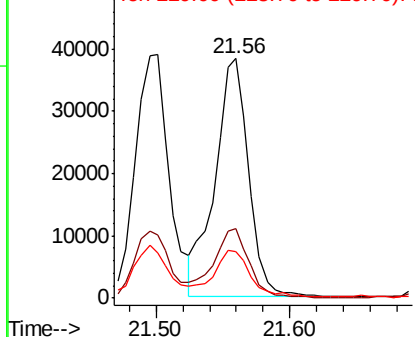


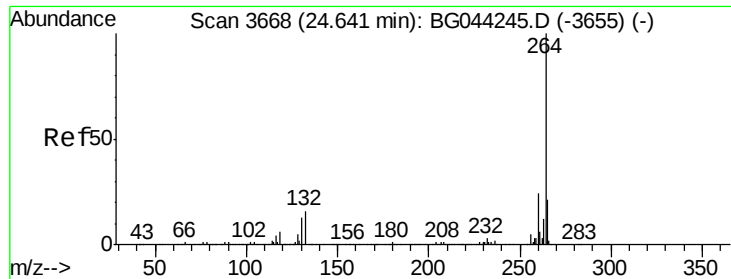
#83
Chrysene
Concen: 2.589 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.02 min
Lab File: BG044459.D
Acq: 17 Feb 2020 22:55

Tgt Ion:228 Resp: 67489
Ion Ratio Lower Upper
228 100
226 29.3 27.1 40.7
229 19.7 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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.59 min Scan# 3660

Delta R.T. -0.03 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

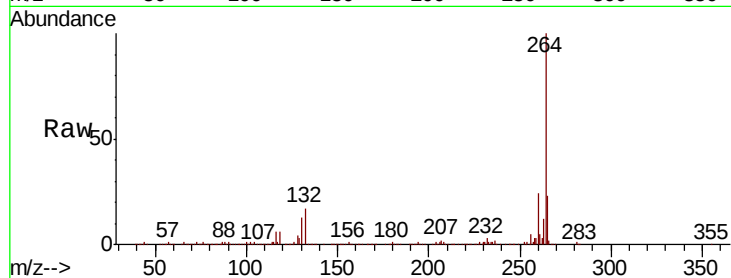
Tot Ion:264 Resp: 469870

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

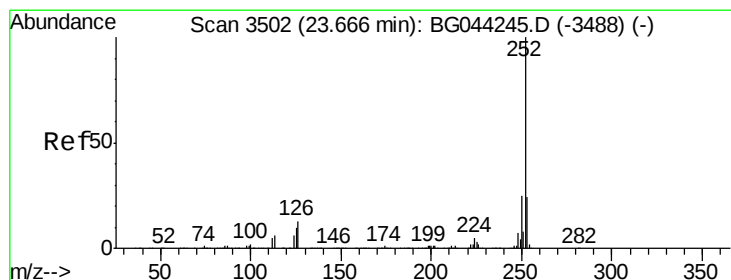
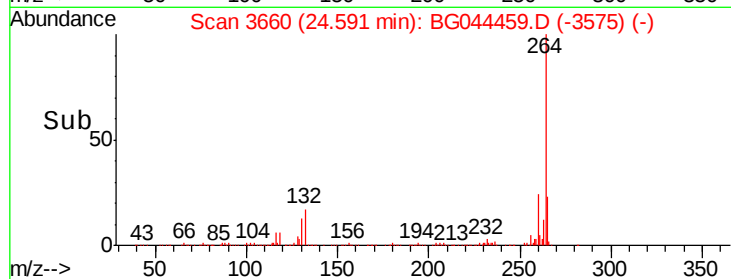
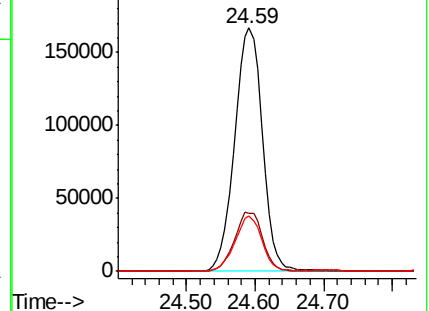
265 22.8 16.7 25.1



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: 2.900 ng

RT: 23.62 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

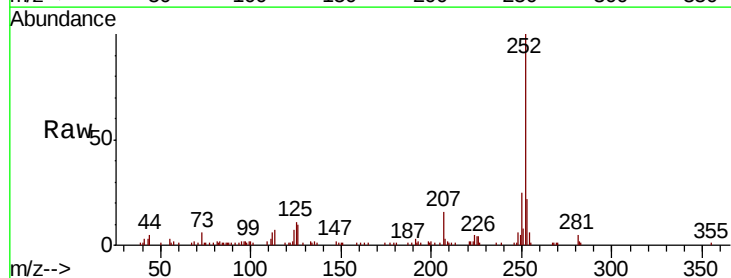
Tgt Ion:252 Resp: 78523

Ion Ratio Lower Upper

252 100

253 22.1 19.2 28.8

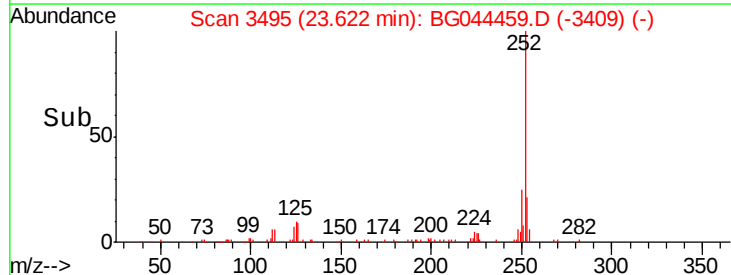
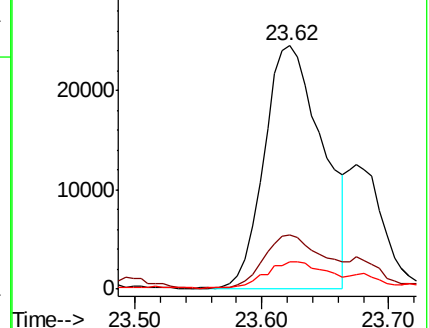
125 11.4 8.4 12.6

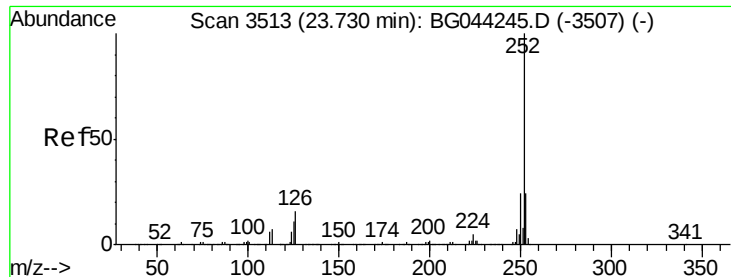


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.976 ng

RT: 23.62 min Scan# 3495

Delta R.T. -0.09 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

Instrument :

BNA_G

ClientSampleId :

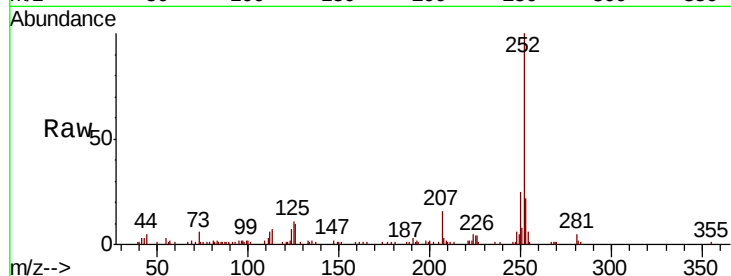
Tot Ion:252 Resp: 78523

Ion Ratio Lower Upper

252 100

253 22.1 19.1 28.7

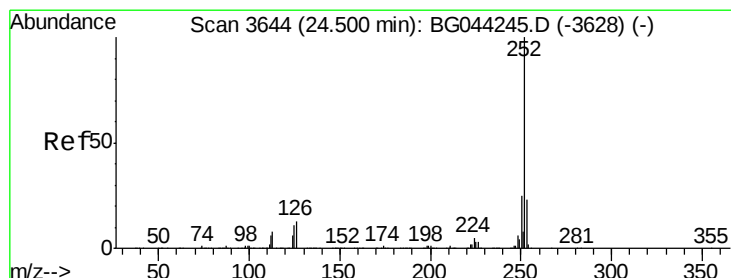
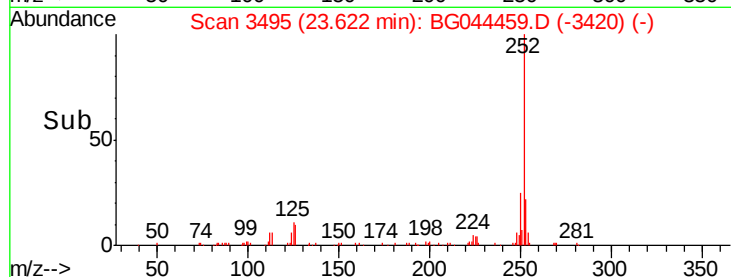
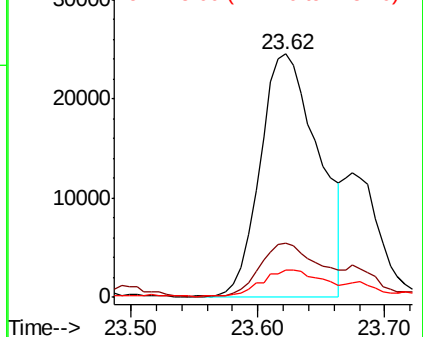
125 11.4 8.6 12.8



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: 2.160 ng

RT: 24.44 min Scan# 3634

Delta R.T. -0.04 min

Lab File: BG044459.D

Acq: 17 Feb 2020 22:55

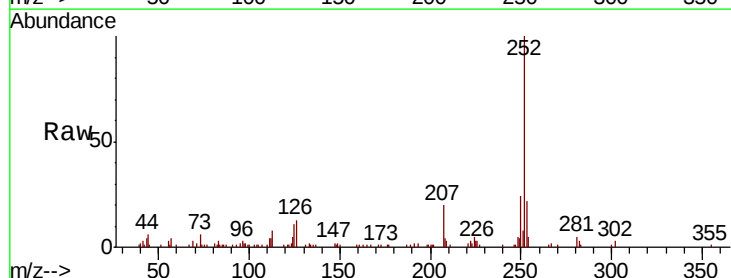
Tgt Ion:252 Resp: 55302

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 10.7 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

