

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044472.D
 Acq On : 18 Feb 2020 14:43
 Operator : CG/JU
 Sample : L1545-02 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

Quant Time: Feb 18 15:19:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 14:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	72109	20.00	ng	0.00
21) Naphthalene-d8	10.69	136	300821	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	199271	20.00	ng	0.00
64) Phenanthrene-d10	17.27	188	453569	20.00	ng	0.00
76) Chrysene-d12	21.52	240	433324	20.00	ng	0.00
87) Perylene-d12	24.60	264	467206	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	200152	48.99	ng	0.00
7) Phenol-d6	7.06	99	286538	52.22	ng	0.00
23) Nitrobenzene-d5	9.05	82	162802	30.55	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	76616	32.75	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	386733	32.50	ng	0.00
79) Terphenyl-d14	19.89	244	655883	31.13	ng	0.00

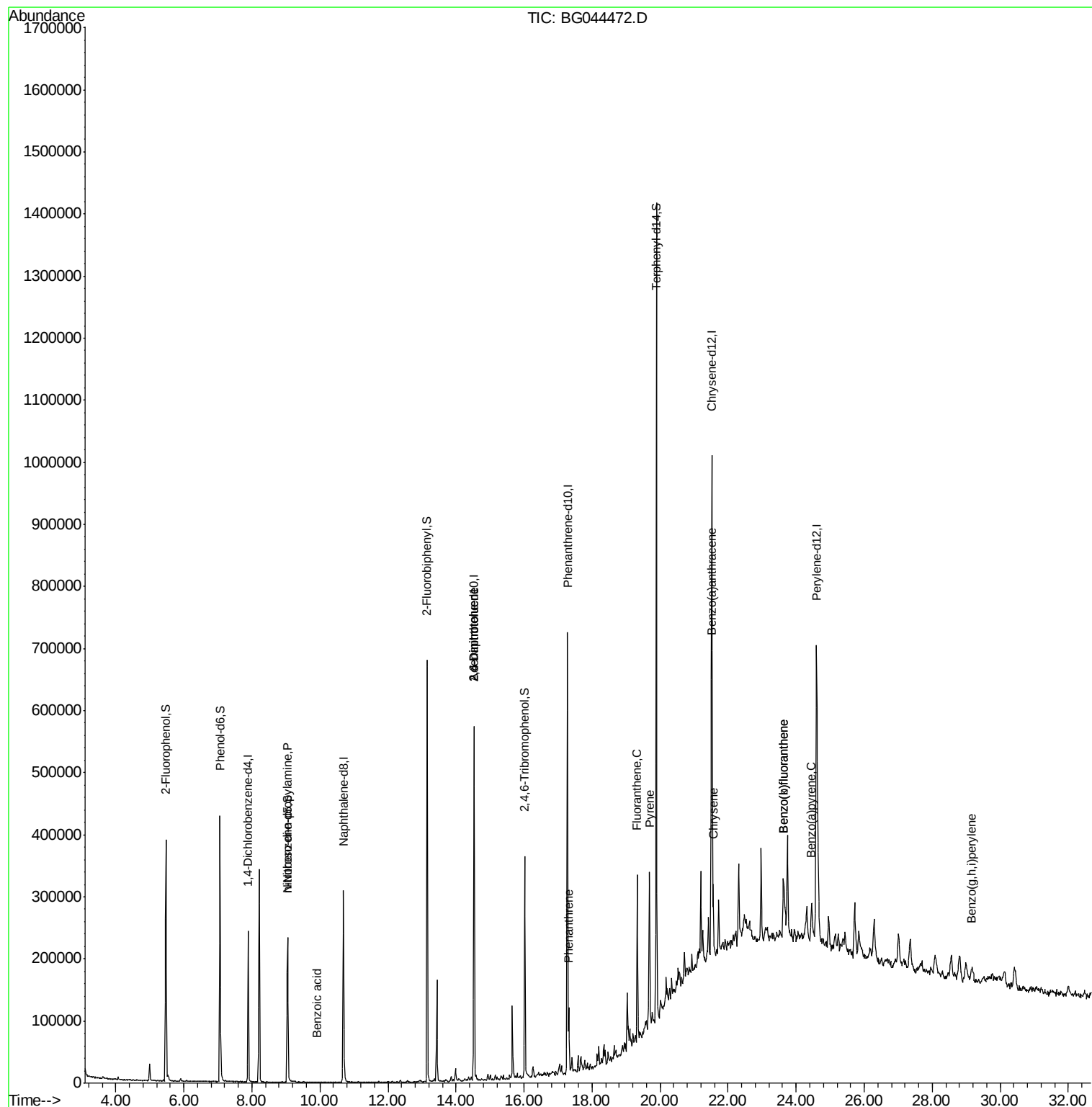
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.04	70	21044	5.755	ng	# 70
32) Benzoic acid	9.92	122	56	14.186	ng	# 1
51) 2,6-Dinitrotoluene	14.53	165	26590	8.325	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	26590	5.940	ng	# 28
71) Phenanthrene	17.32	178	62768	2.858	ng	94
75) Fluoranthene	19.32	202	168075	6.615	ng	97
78) Pyrene	19.69	202	153068	5.500	ng	94
81) Benzo(a)anthracene	21.50	228	86154	3.226	ng	96
83) Chrysene	21.56	228	78504	3.041	ng	97
88) Benzo(b)fluoranthene	23.63	252	99349	3.690	ng	# 92
89) Benzo(k)fluoranthene	23.63	252	99349	3.786	ng	# 92
90) Benzo(a)pyrene	24.45	252	72613	2.853	ng	# 91
92) Benzo(a,h,i)perylene	29.16	276	51062	2.025	ng	97

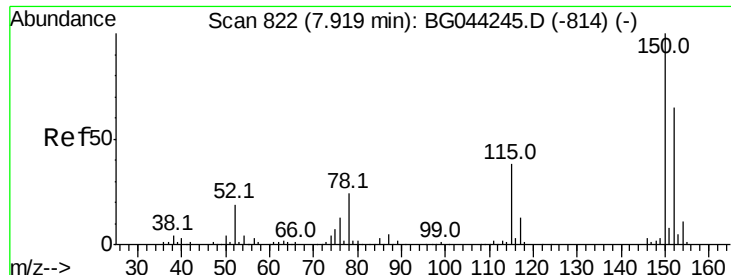
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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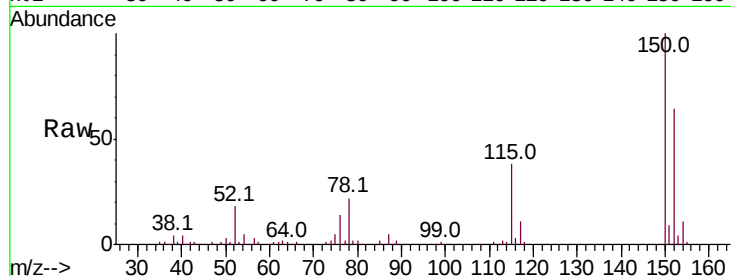


#1

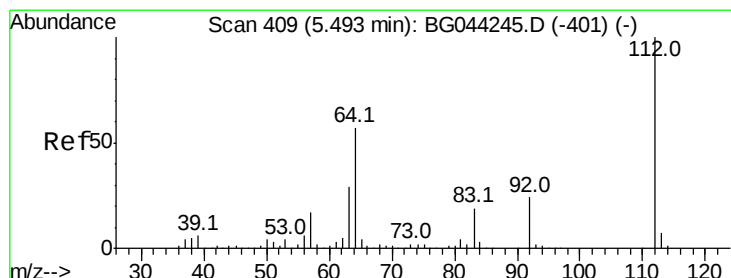
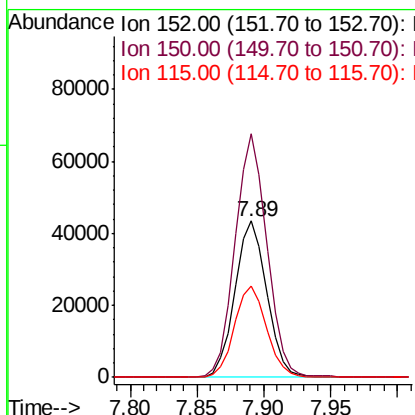
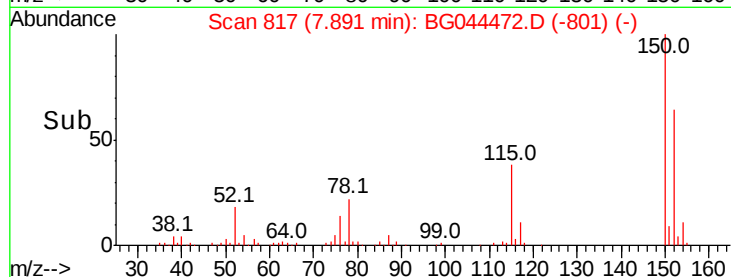
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion:152 Resp: 72109
Ion Ratio Lower Upper
152 100
150 155.8 122.6 183.8
115 58.6 46.0 69.0



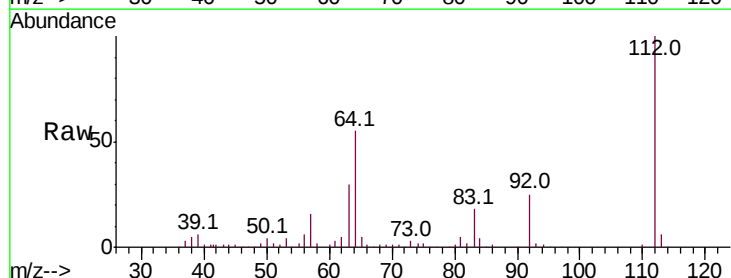
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



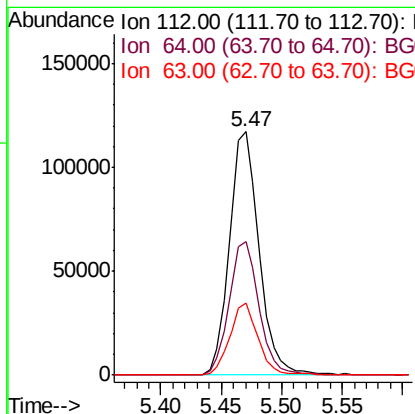
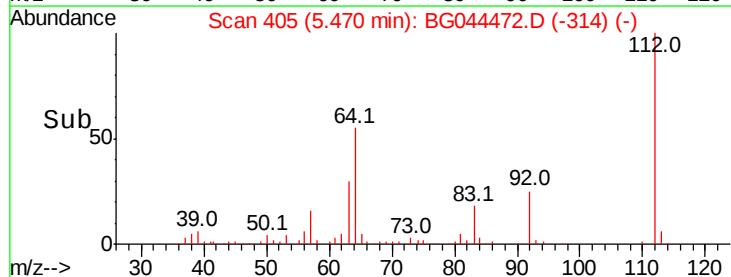
#5

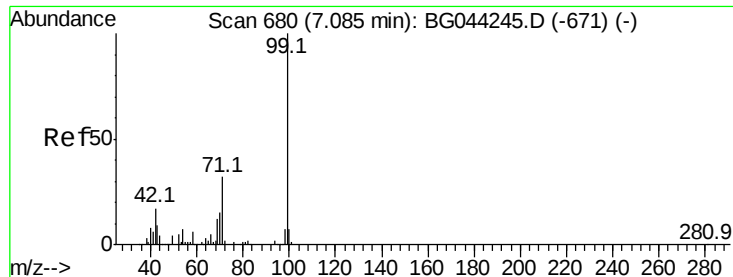
2-Fluorophenol
Concen: 48.986 ng
RT: 5.47 min Scan# 405
Delta R.T. 0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Tgt Ion:112 Resp: 200152
Ion Ratio Lower Upper
112 100
64 54.7 45.4 68.2
63 29.5 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: 52.224 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

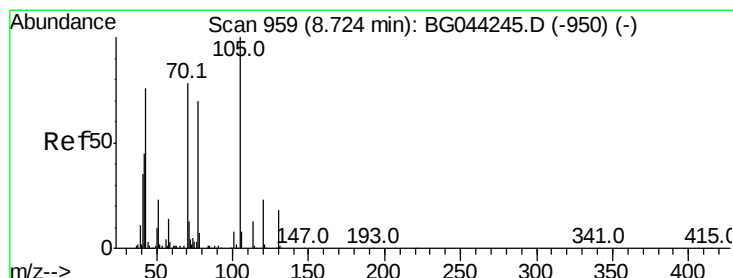
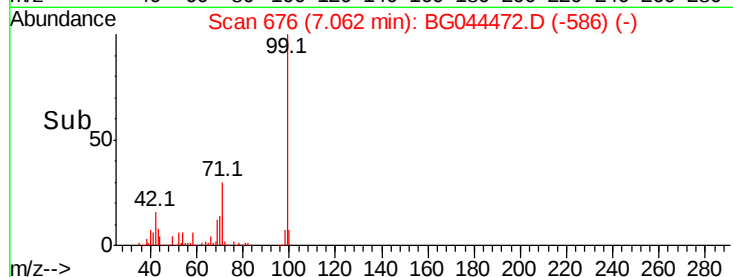
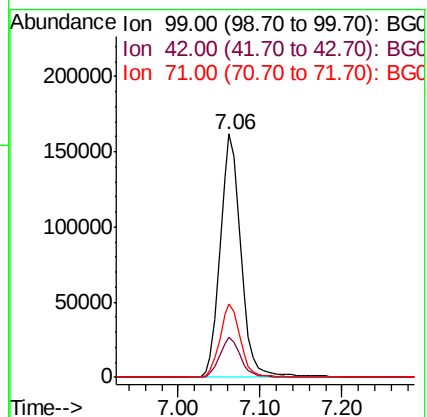
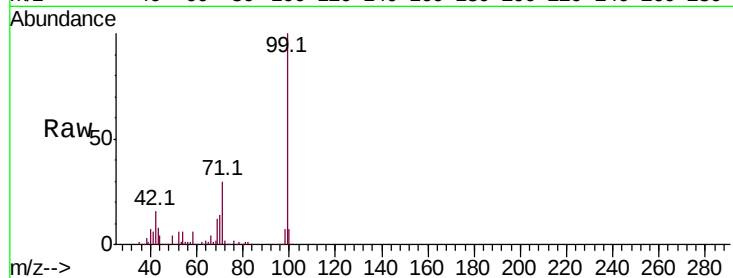
Tot Ion: 99 Resp: 286538

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

71 30.1 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 5.755 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Tgt Ion: 70 Resp: 21044

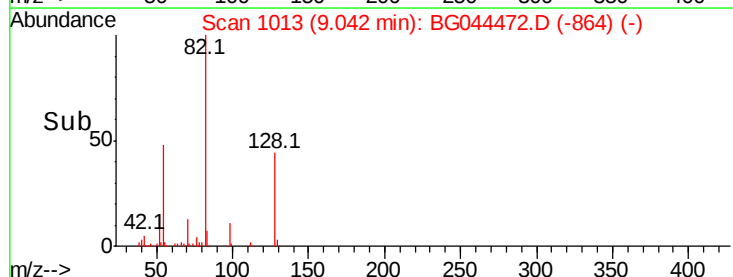
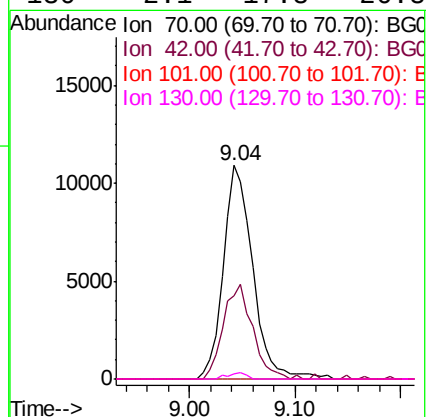
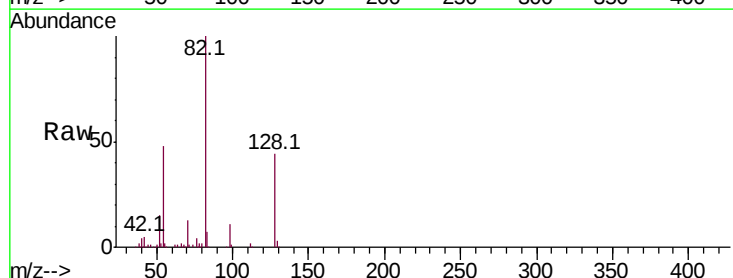
Ion Ratio Lower Upper

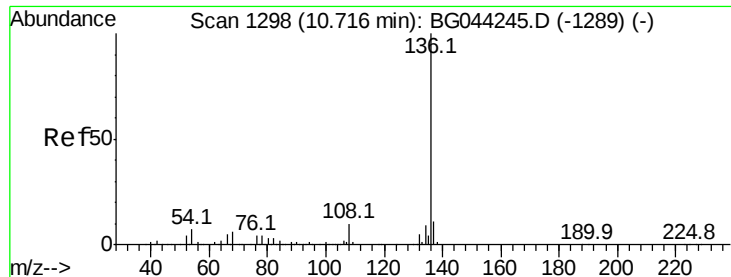
70 100

42 38.9 46.2 69.2#

101 0.0 8.4 12.6#

130 2.1 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

Tot Ion:136 Resp: 300821

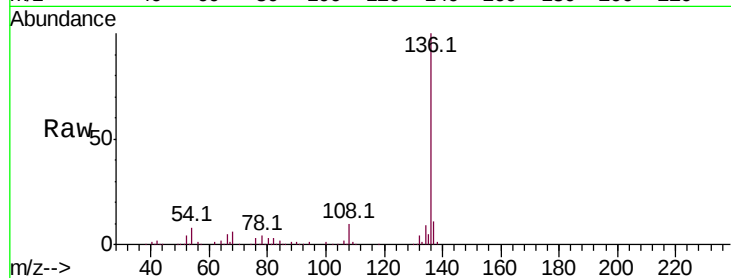
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.8 5.8 8.8

68 5.6 4.6 6.8

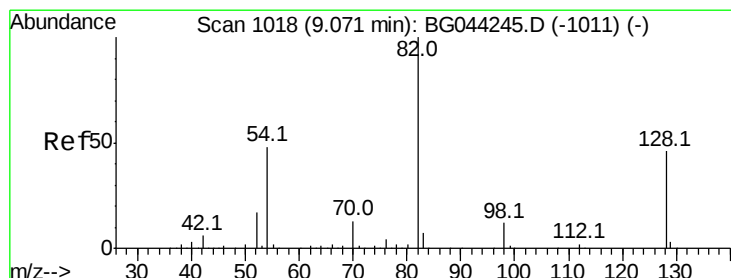
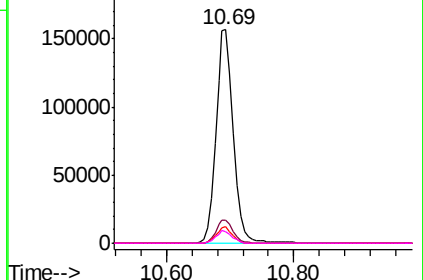
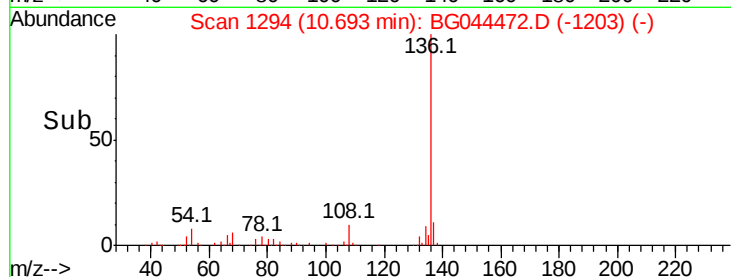


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.554 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

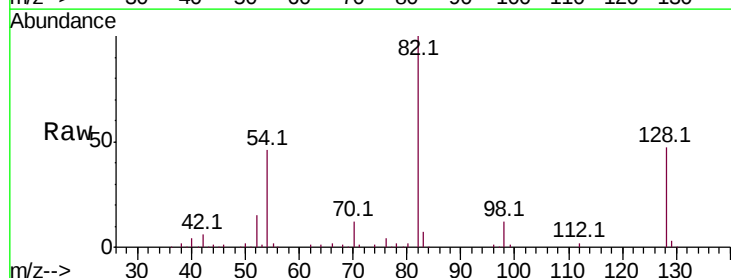
Tgt Ion: 82 Resp: 162802

Ion Ratio Lower Upper

82 100

128 47.2 36.5 54.7

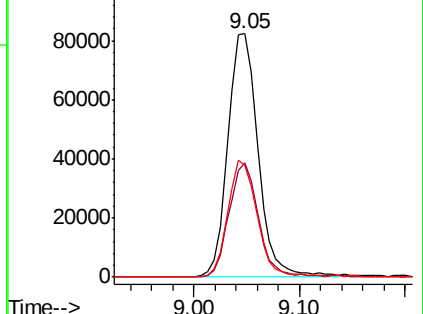
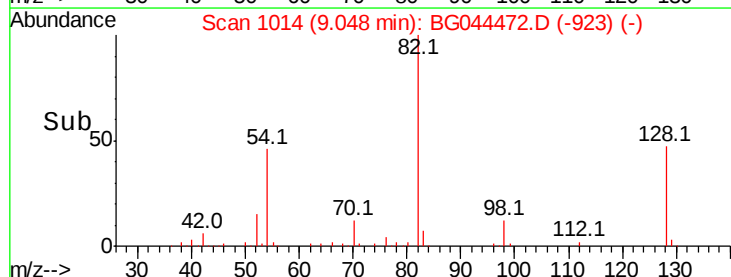
54 46.1 38.6 58.0

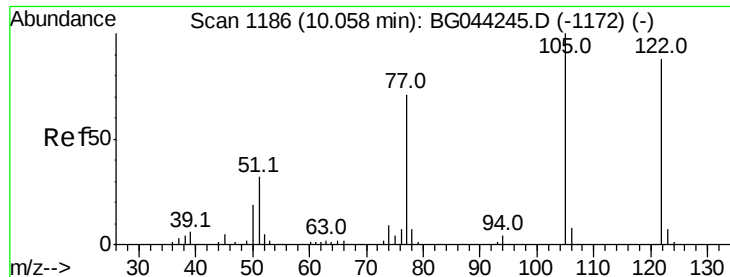


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 14.186 ng

RT: 9.92 min Scan# 1162

Delta R.T. -0.11 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

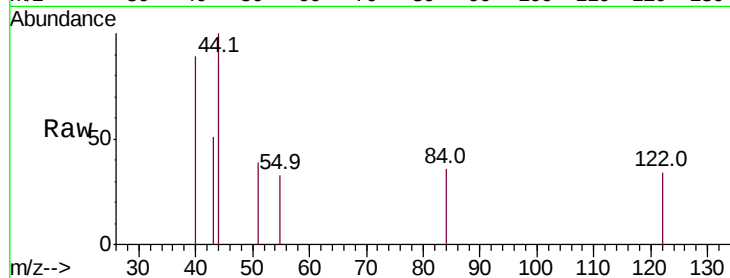
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 93.5 133.5#

77 0.0 61.0 101.0#



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): BGC

9.92

150

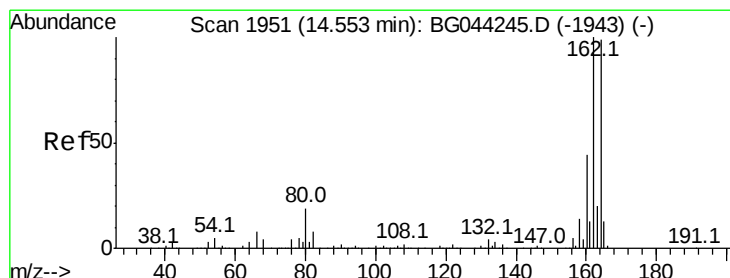
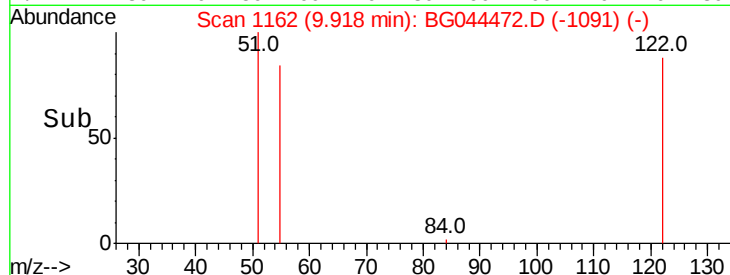
100

50

0

9.90 9.91 9.92 9.93

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

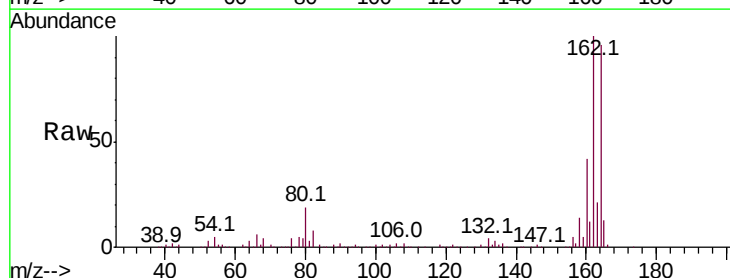
Tgt Ion:164 Resp: 199271

Ion Ratio Lower Upper

164 100

162 103.7 80.7 121.1

160 43.8 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

14.53

150000

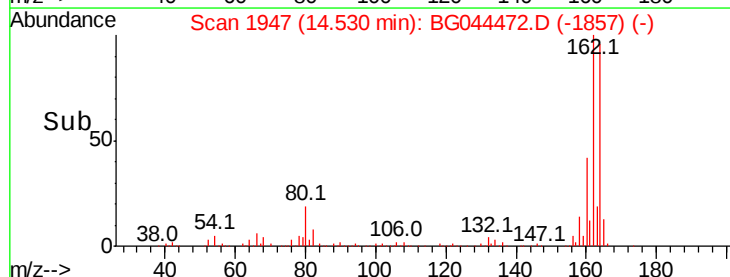
100000

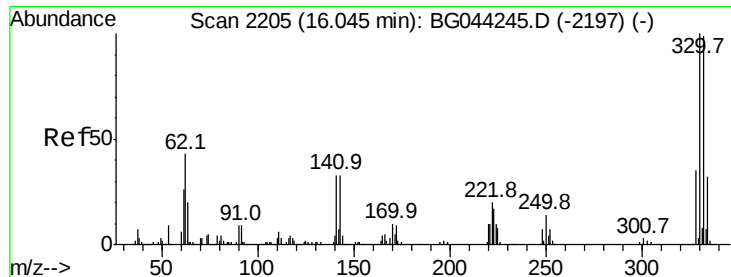
50000

0

14.50 14.53 14.56

Time-->

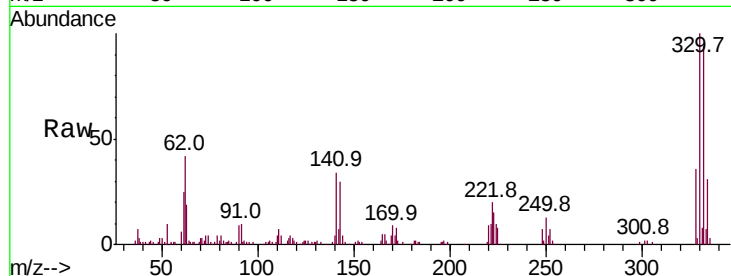




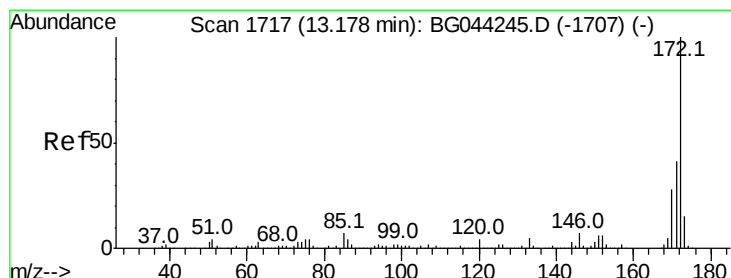
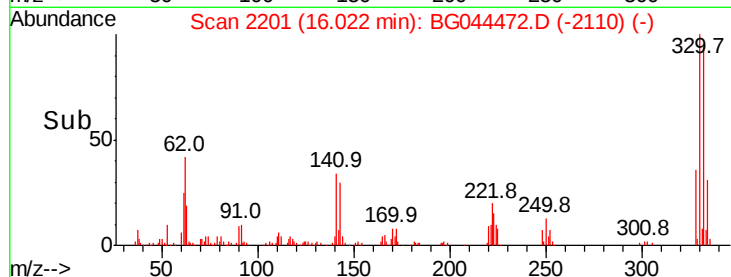
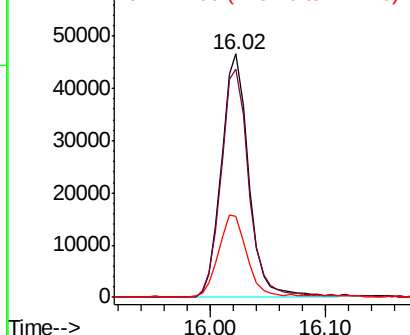
#42
 2,4,6-Tribromophenol
 Concen: 32.751 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Instrument :
 BNA_G
 ClientSampleId :
 43ST-A

Tot Ion:330 Resp: 76616
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.2 115.8
 141 35.9 28.3 42.5

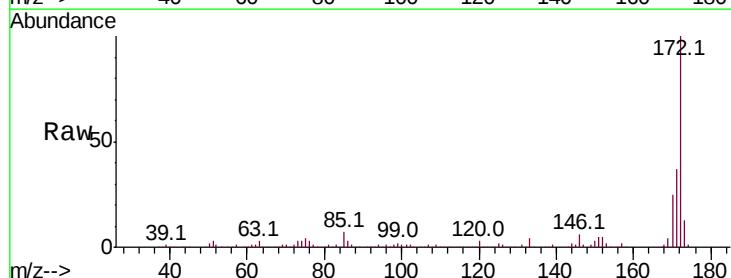


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

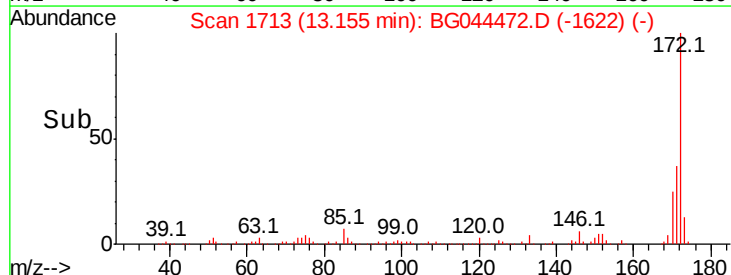
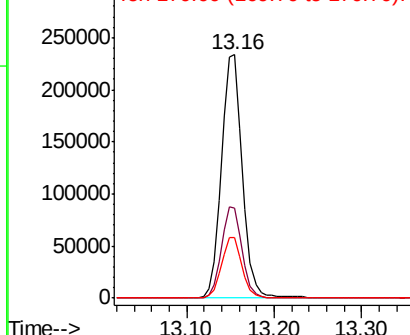


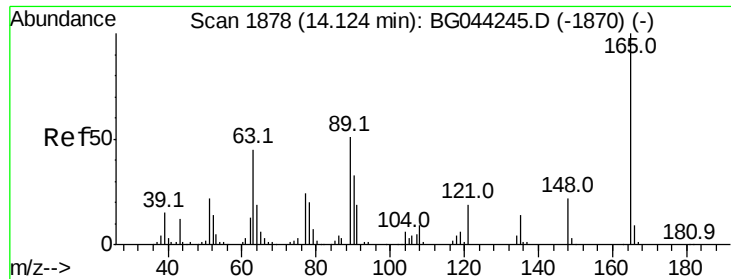
#45
 2-Fluorobiphenyl
 Concen: 32.499 ng
 RT: 13.16 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Tgt Ion:172 Resp: 386733
 Ion Ratio Lower Upper
 172 100
 171 36.8 32.9 49.3
 170 25.1 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

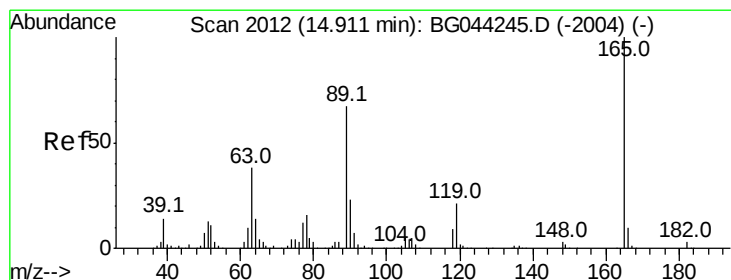
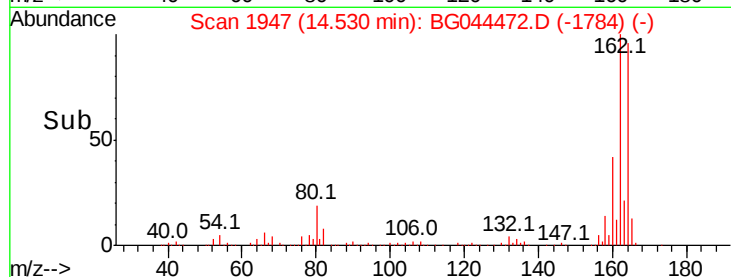
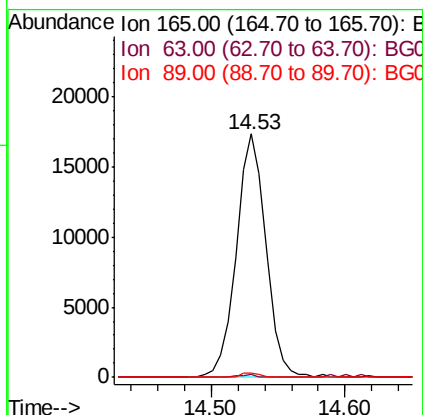
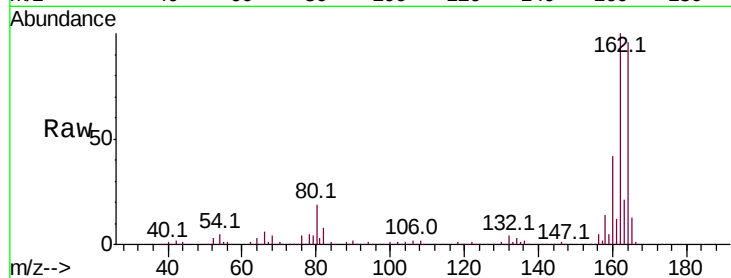




#51
 2,6-Dinitrotoluene
 Concen: 8.325 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.43 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

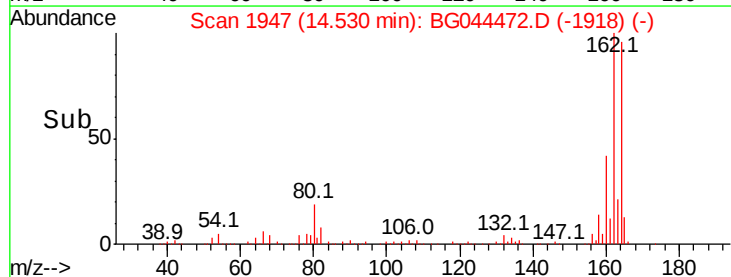
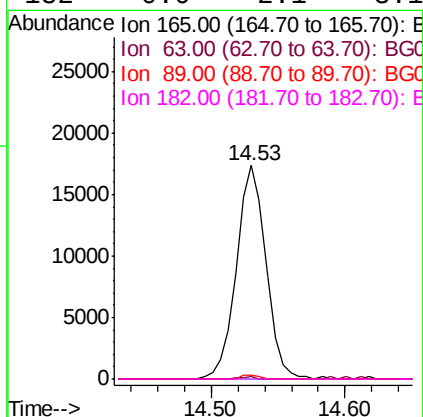
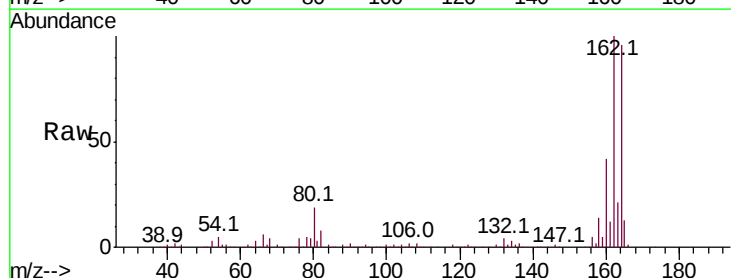
Instrument :
 BNA_G
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 43ST-A

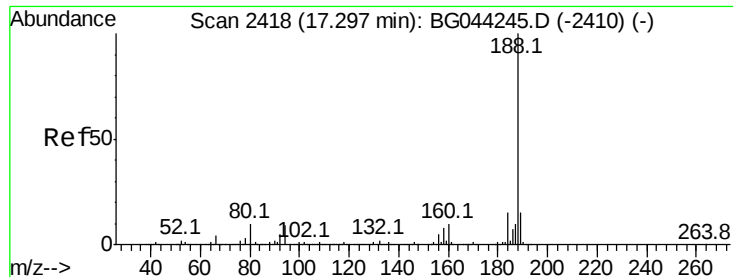
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.7	58.1#
89	1.7	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.940 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.36 min
 Lab File: BG044472.D
 Acq: 18 Feb 2020 14:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.3	45.5#
89	1.7	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. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

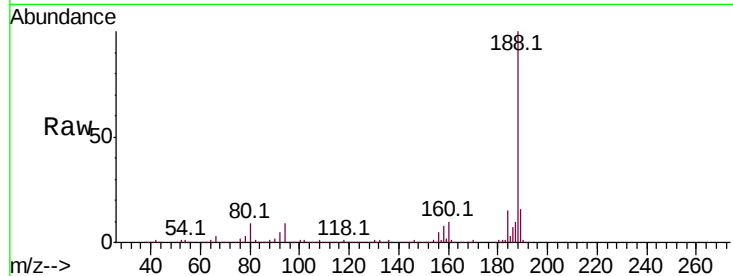
Tot Ion:188 Resp: 453569

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

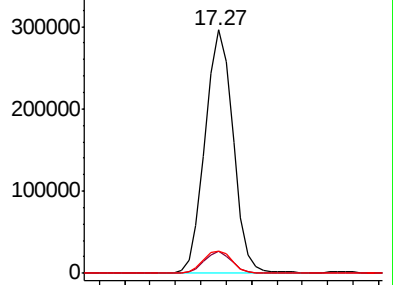
80 9.3 7.7 11.5



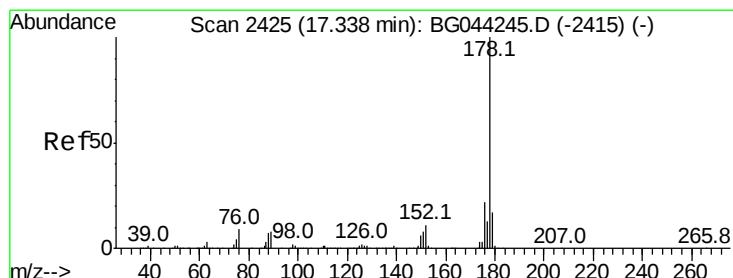
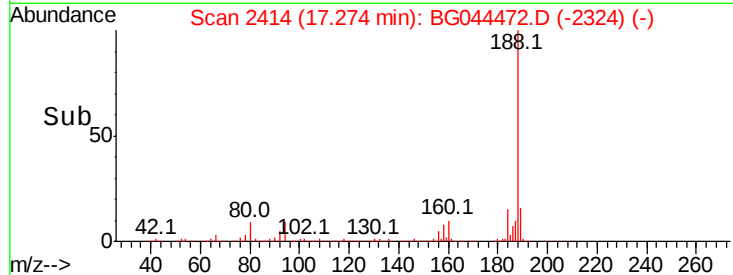
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#71

Phenanthrene

Concen: 2.858 ng

RT: 17.32 min Scan# 2421

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

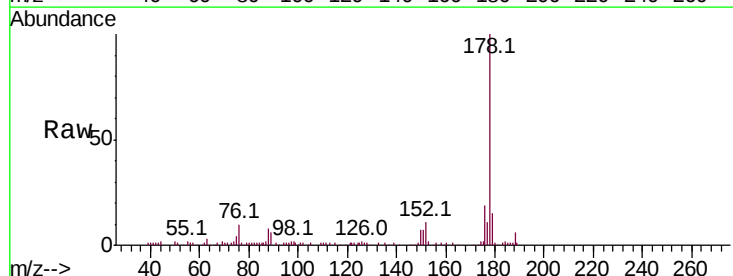
Tgt Ion:178 Resp: 62768

Ion Ratio Lower Upper

178 100

176 19.0 17.7 26.5

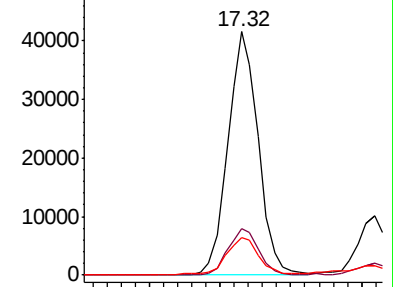
179 15.2 13.7 20.5



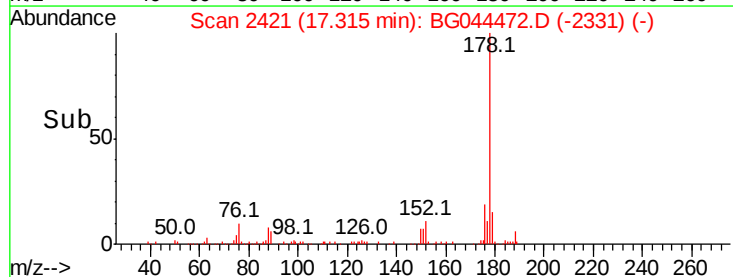
Abundance Ion 178.00 (177.70 to 178.70): E

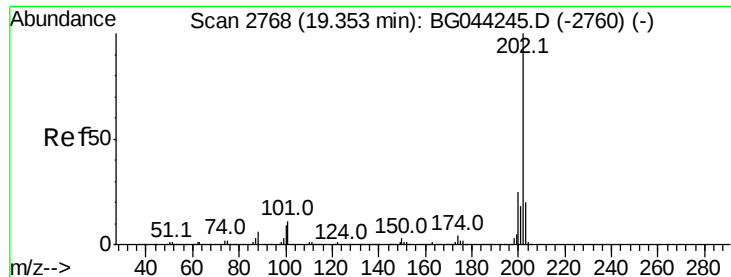
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 6.615 ng

RT: 19.32 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

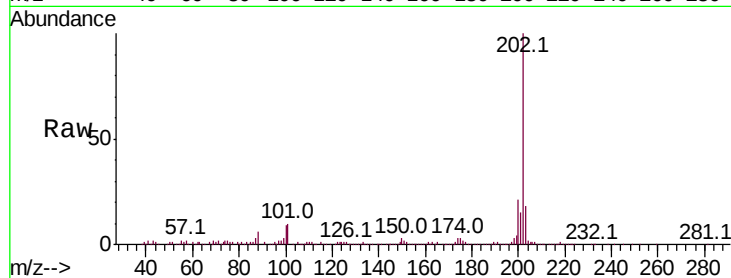
Tot Ion:202 Resp: 168075

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.3

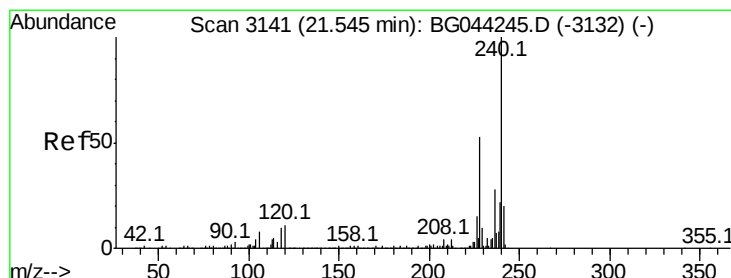
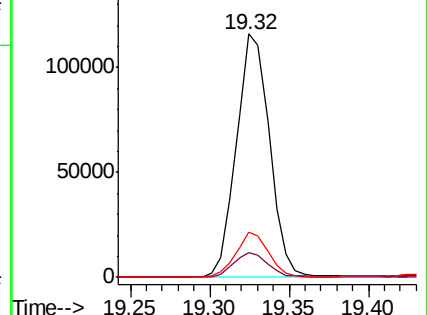
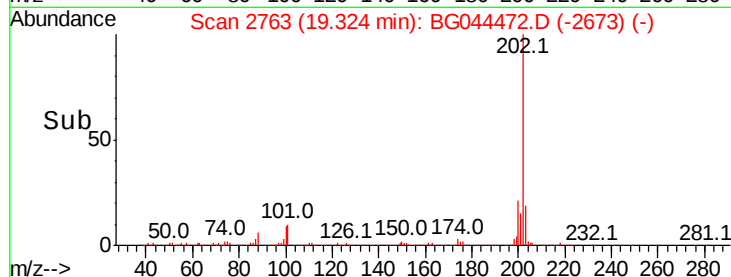
203 18.5 0.0 39.9



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# 3136

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

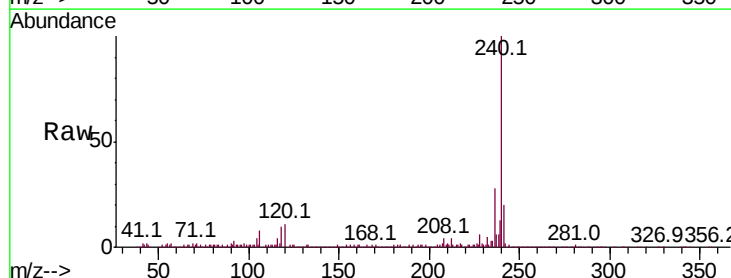
Tgt Ion:240 Resp: 433324

Ion Ratio Lower Upper

240 100

120 11.4 8.4 12.6

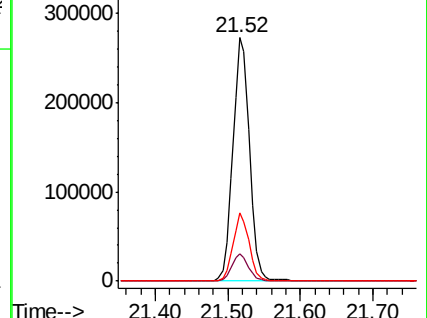
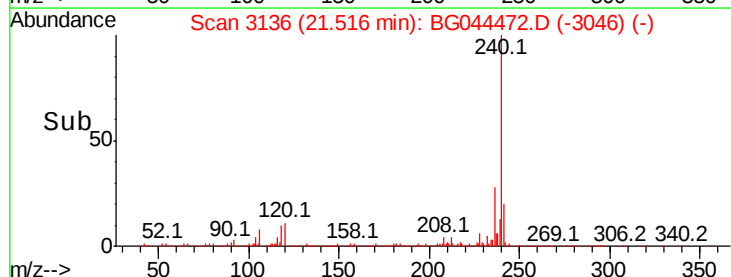
236 28.0 22.1 33.1

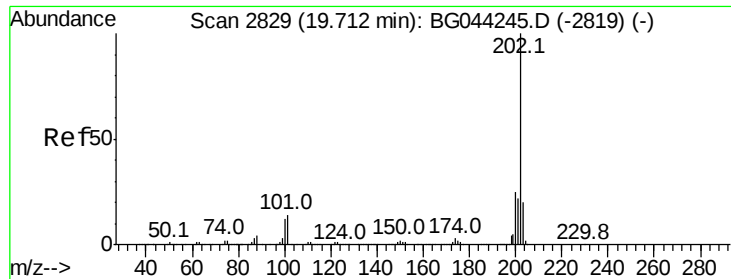


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

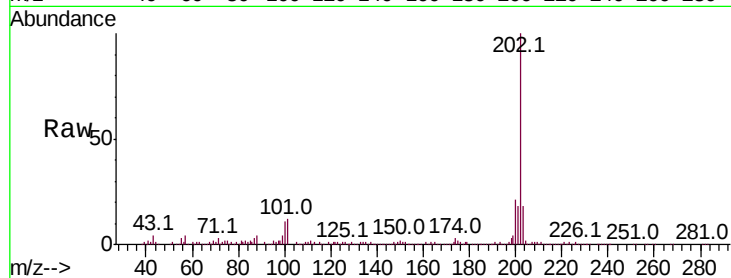




#78
Pvrene
Concen: 5.500 ng
RT: 19.69 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Instrument :
BNA_G
ClientSampleId :
43ST-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	20.0	30.0
203	17.9	16.2	24.2

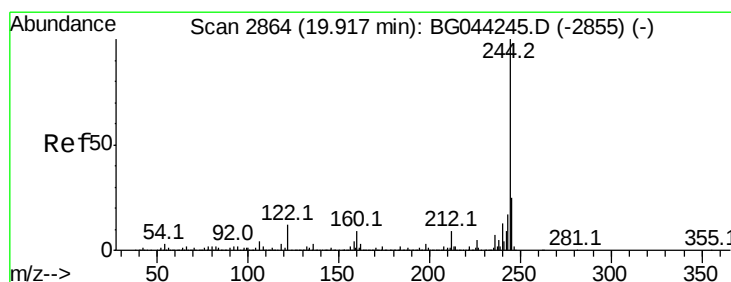
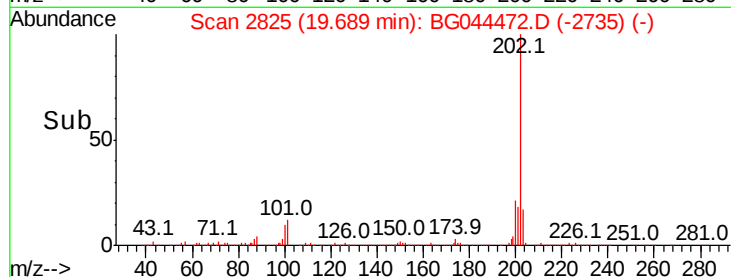
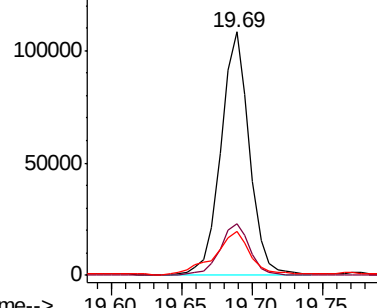


Abundance

Ion 202.00 (201.70 to 202.70): E

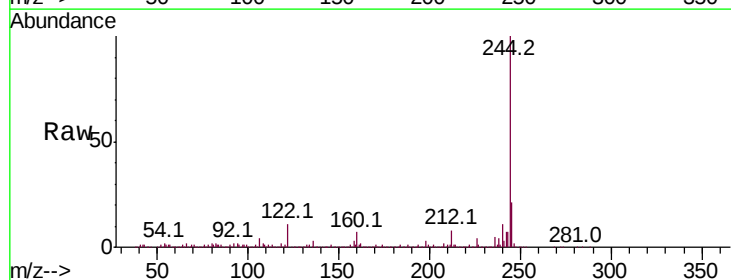
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 31.133 ng
RT: 19.89 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	7.4	11.2
122	11.0	9.8	14.6

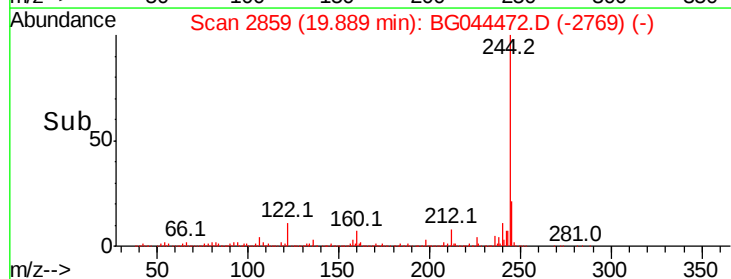
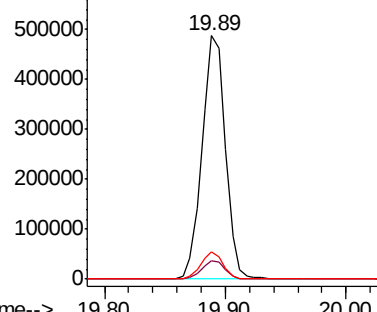


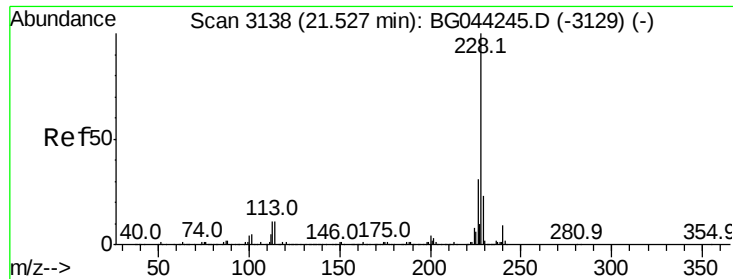
Abundance

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: 3.226 ng

RT: 21.50 min Scan# 3133

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

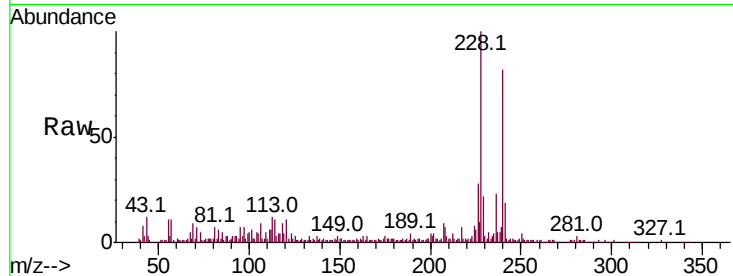
Tot Ion:228 Resp: 86154

Ion Ratio Lower Upper

228 100

226 28.0 24.7 37.1

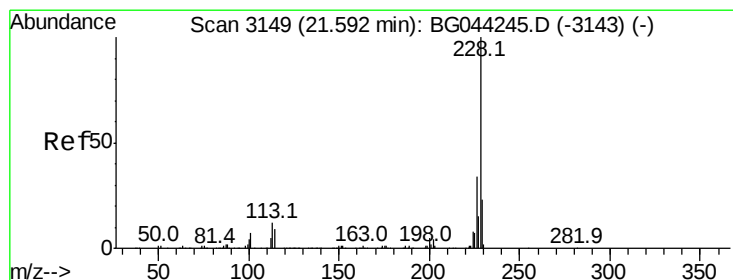
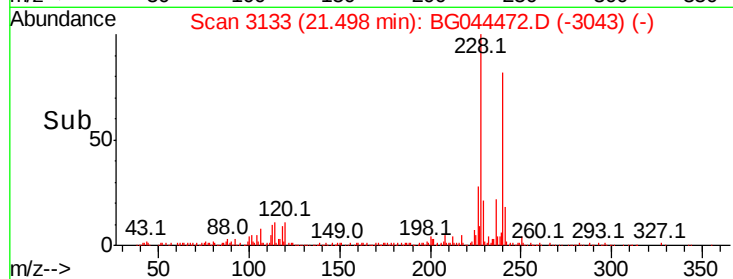
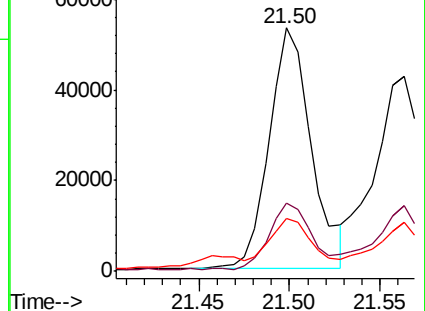
229 21.8 18.2 27.4



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: 3.041 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

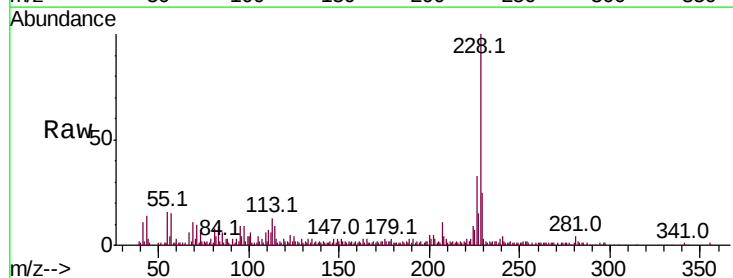
Tgt Ion:228 Resp: 78504

Ion Ratio Lower Upper

228 100

226 33.4 27.1 40.7

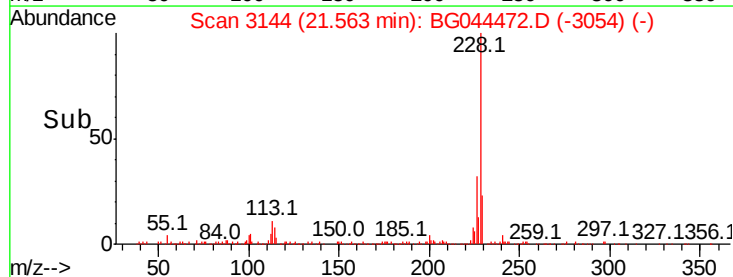
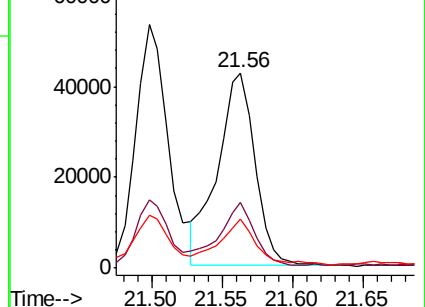
229 24.9 17.9 26.9

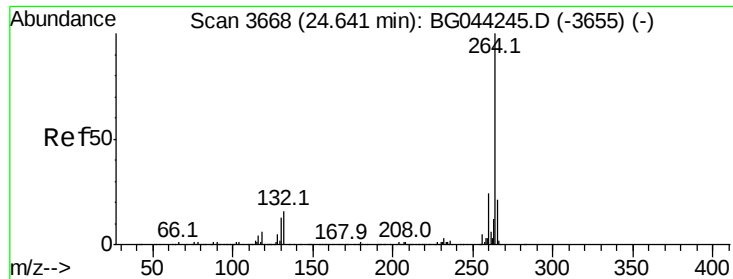


Abundance Ion 228.00 (227.70 to 228.70): E

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: 24.60 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

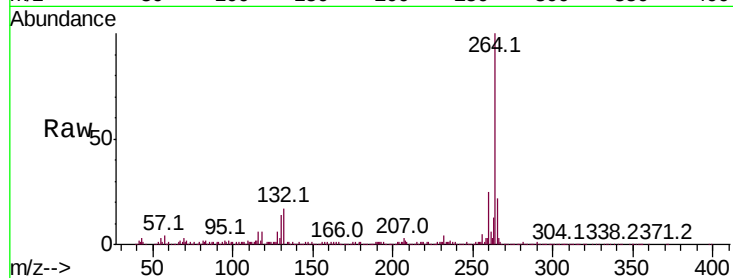
Tot Ion:264 Resp: 467206

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

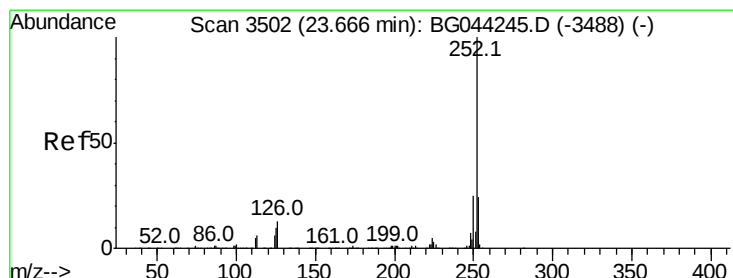
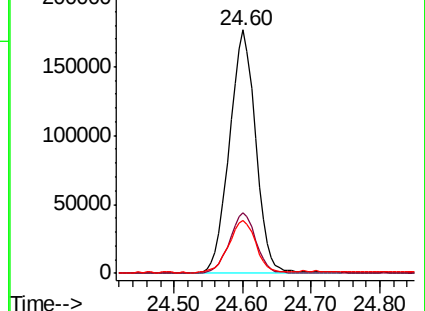
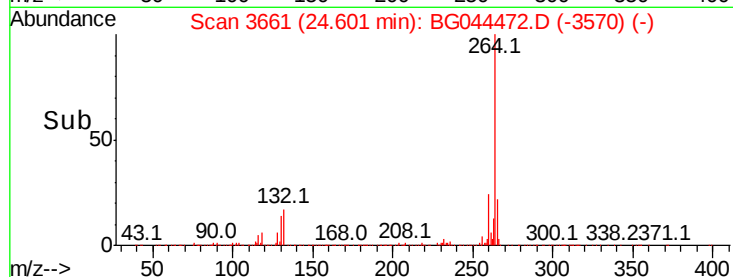
265 21.9 16.7 25.1



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: 3.690 ng

RT: 23.63 min Scan# 3496

Delta R.T. 0.00 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

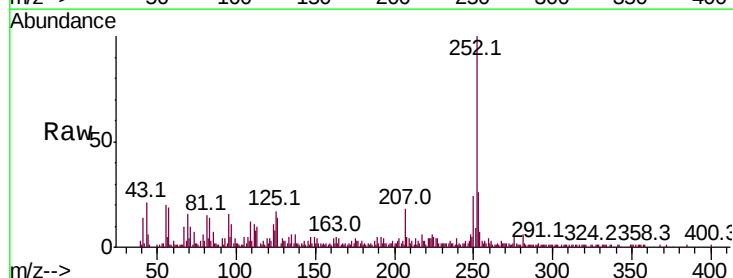
Tgt Ion:252 Resp: 99349

Ion Ratio Lower Upper

252 100

253 26.1 19.2 28.8

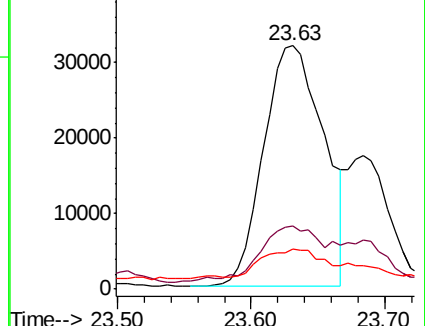
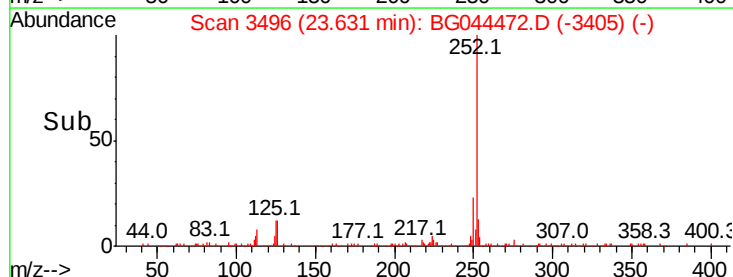
125 16.7 8.4 12.6#

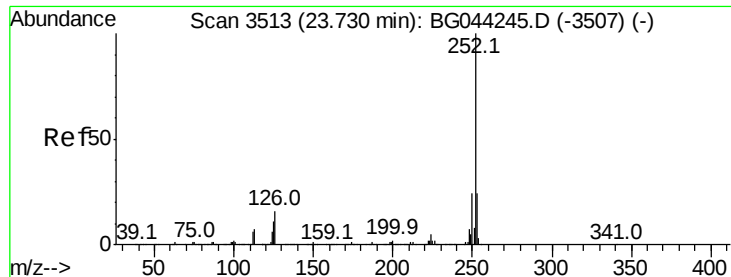


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

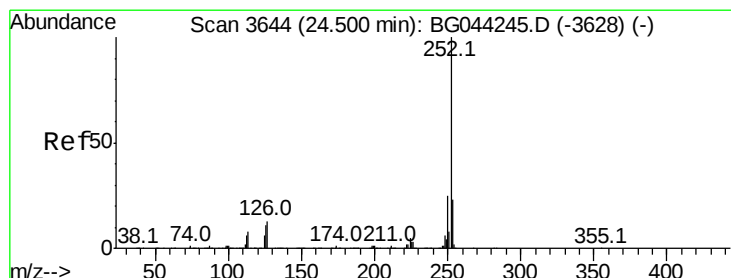
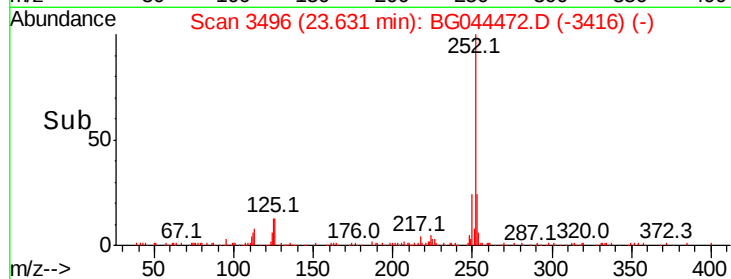
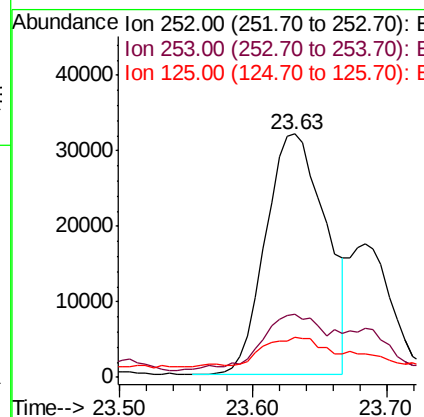
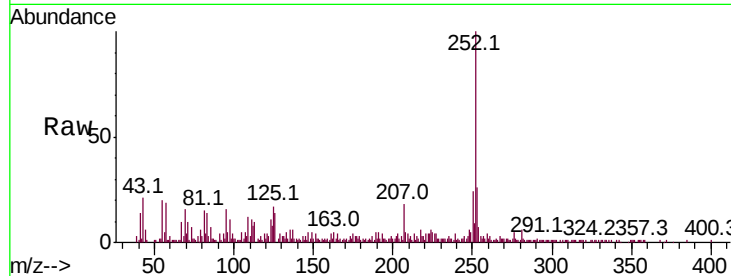




#89
Benzo(k)fluoranthene
Concen: 3.786 ng
RT: 23.63 min Scan# 3496
Delta R.T. -0.06 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

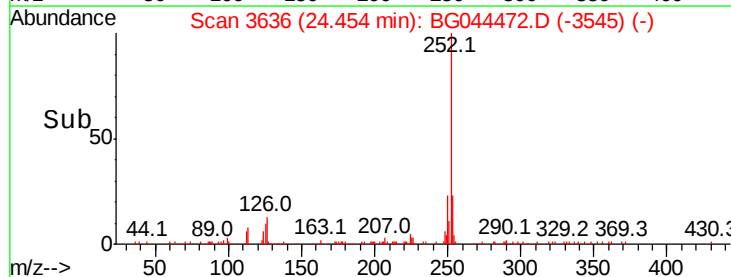
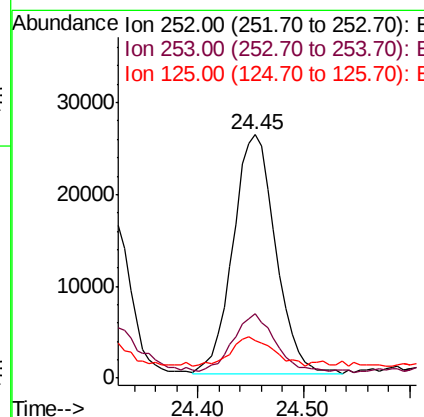
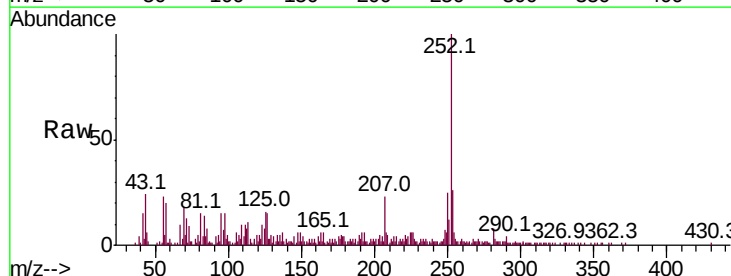
Instrument :
BNA_G
ClientSampleId :
43ST-A

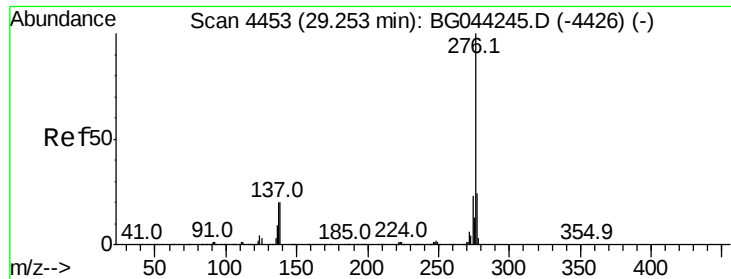
Tot Ion:252 Resp: 99349
Ion Ratio Lower Upper
252 100
253 26.1 19.1 28.7
125 16.7 8.6 12.8#



#90
Benzo(a)pyrene
Concen: 2.853 ng
RT: 24.45 min Scan# 3636
Delta R.T. 0.00 min
Lab File: BG044472.D
Acq: 18 Feb 2020 14:43

Tgt Ion:252 Resp: 72613
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 15.7 8.6 13.0#





#92

Benzo(a,h,i)perylene

Concen: 2.025 ng

RT: 29.16 min Scan# 4437

Delta R.T. -0.01 min

Lab File: BG044472.D

Acq: 18 Feb 2020 14:43

Instrument :

BNA_G

ClientSampleId :

43ST-A

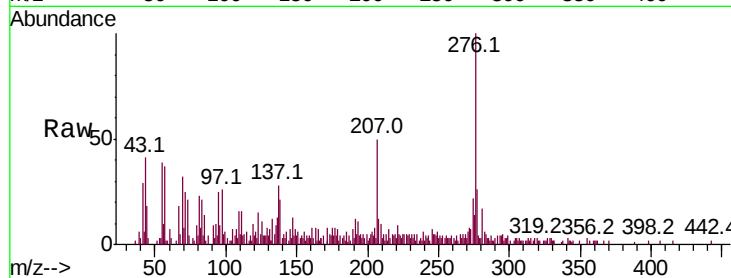
Tot Ion:276 Resp: 51062

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 21.0 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

