

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021720\
 Data File : BG044458.D
 Acq On : 17 Feb 2020 22:16
 Operator : CG/JU
 Sample : L1547-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 06:07:44 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	76991	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	309961	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	198669	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	434758	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	430805	20.00	ng	-0.02
87) Perylene-d12	24.59	264	451638	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	475884	109.09	ng	0.00
7) Phenol-d6	7.06	99	622080	106.19	ng	-0.01
23) Nitrobenzene-d5	9.04	82	372498	67.85	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	244917	105.01	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	865160	72.92	ng	-0.01
79) Terphenyl-d14	19.89	244	1327199	63.37	ng	-0.01

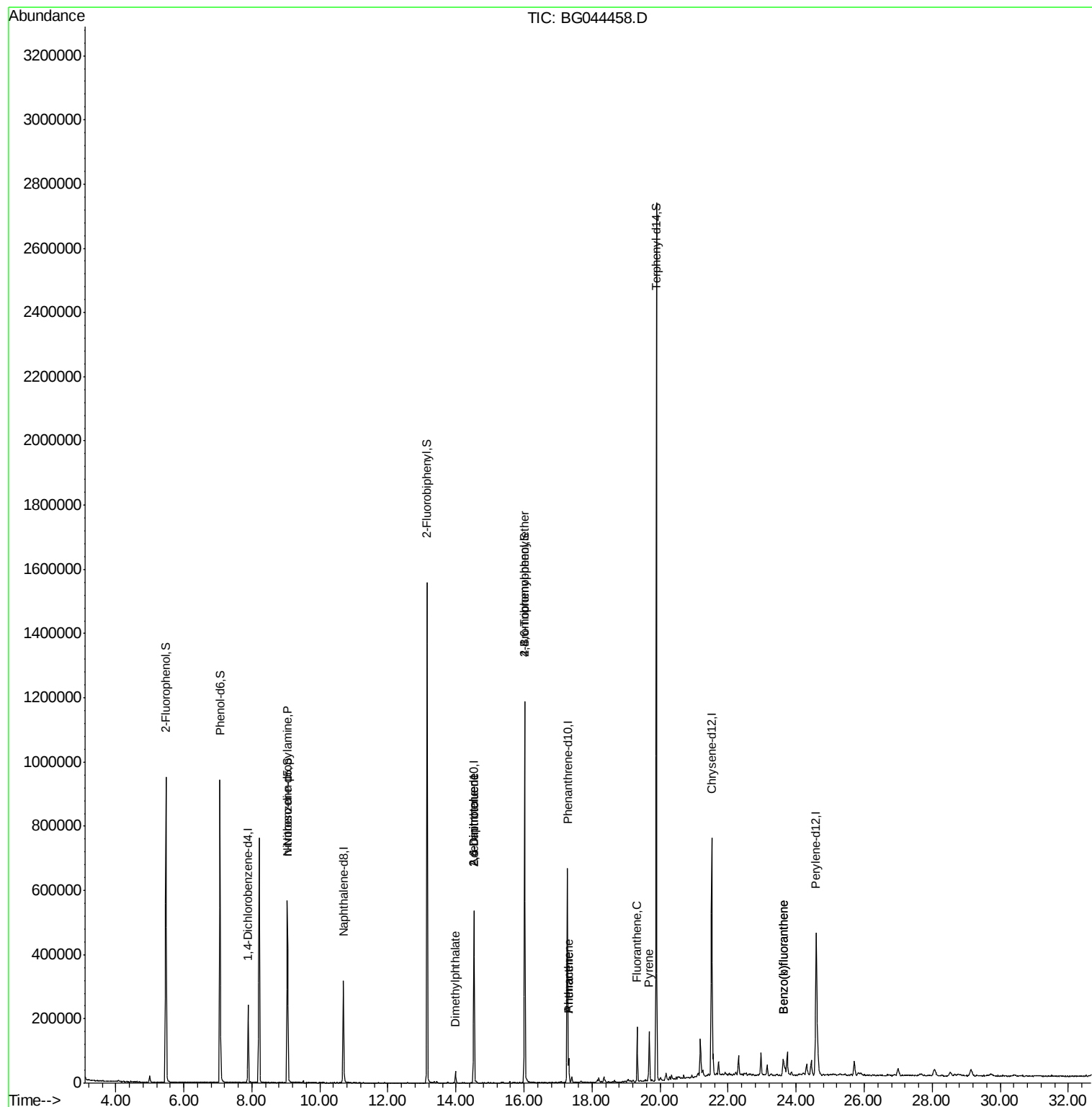
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.05	70	47058	12.053	ng	# 74
50) Dimethylphthalate	13.98	163	31304	2.192	ng	99
51) 2,6-Dinitrotoluene	14.53	165	26137	8.208	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	26137	5.857	ng	# 26
67) 4-Bromophenyl-phenylether	16.02	248	15957	3.369	ng	# 1
71) Phenanthrene	17.32	178	50079	2.379	ng	94
72) Anthracene	17.32	178	50079	2.406	ng	94
75) Fluoranthene	19.32	202	104675	4.298	ng	97
78) Pyrene	19.68	202	99728	3.605	ng	94
88) Benzo(b)fluoranthene	23.62	252	59787	2.297	ng	# 96
89) Benzo(k)fluoranthene	23.62	252	59787	2.357	ng	# 96

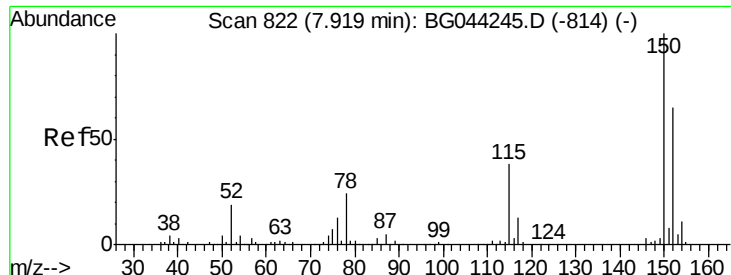
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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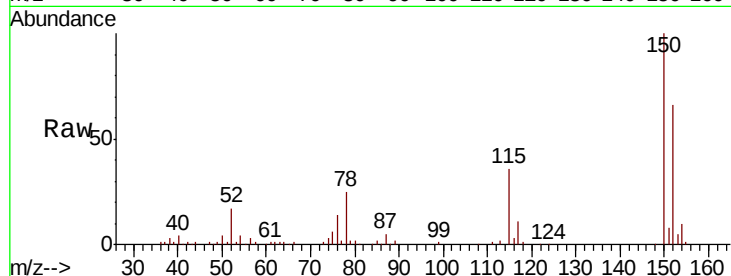


#1

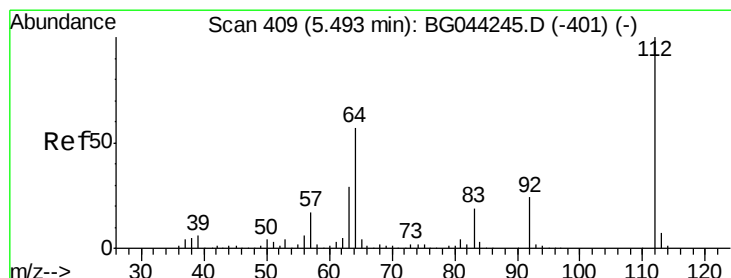
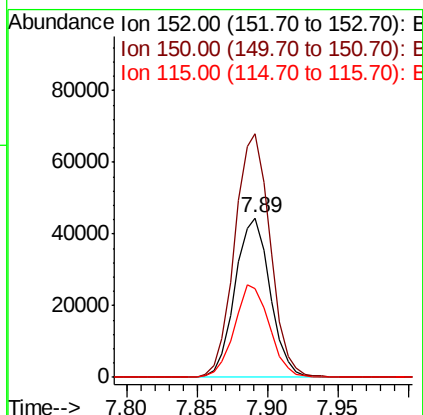
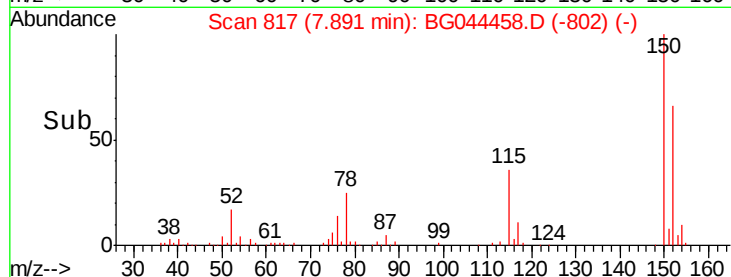
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 76991
Ion Ratio Lower Upper
152 100
150 152.7 122.6 183.8
115 55.4 46.0 69.0



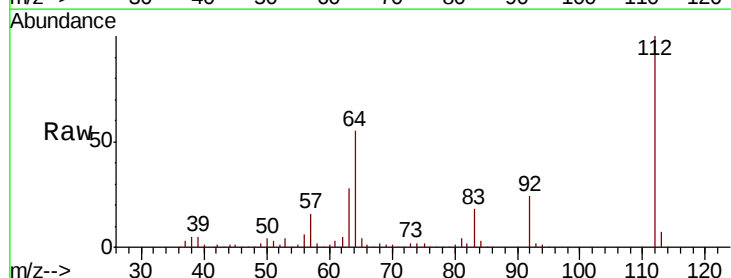
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



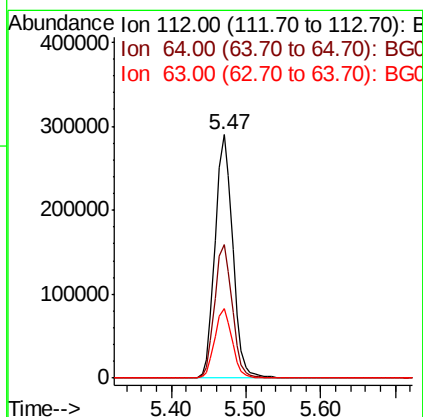
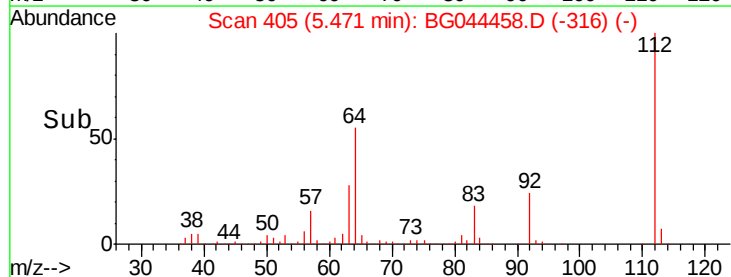
#5

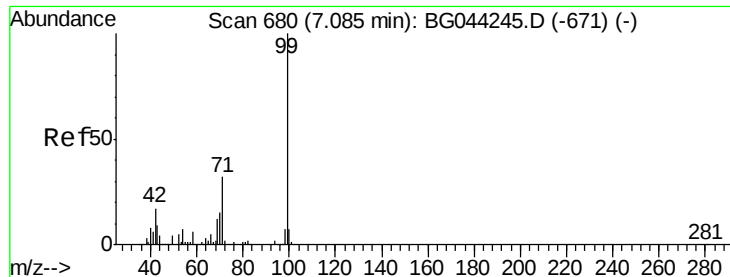
2-Fluorophenol
Concen: 109.086 ng
RT: 5.47 min Scan# 405
Delta R.T. -0.01 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

Tgt Ion:112 Resp: 475884
Ion Ratio Lower Upper
112 100
64 54.6 45.4 68.2
63 28.4 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: 106.190 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

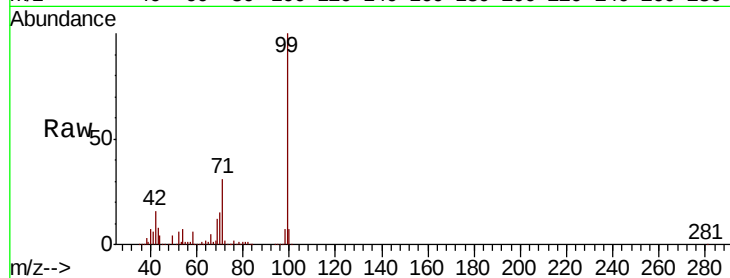
Tot Ion: 99 Resp: 622080

Ion Ratio Lower Upper

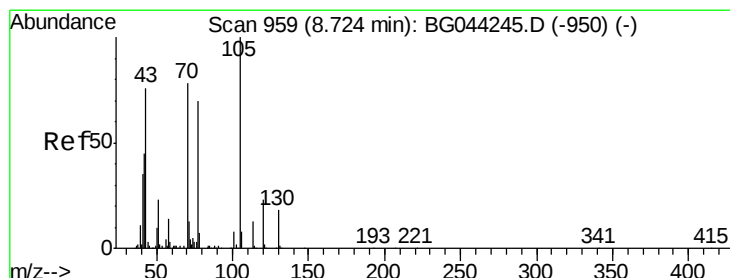
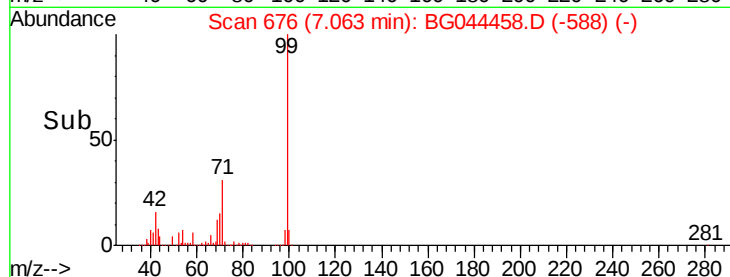
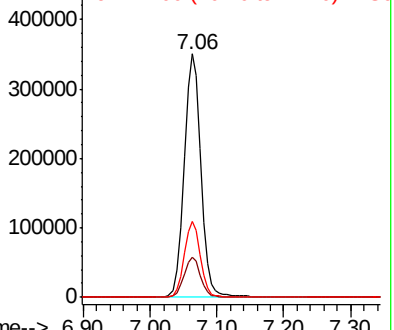
99 100

42 16.5 13.8 20.6

71 31.4 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: 12.053 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Tgt Ion: 70 Resp: 47058

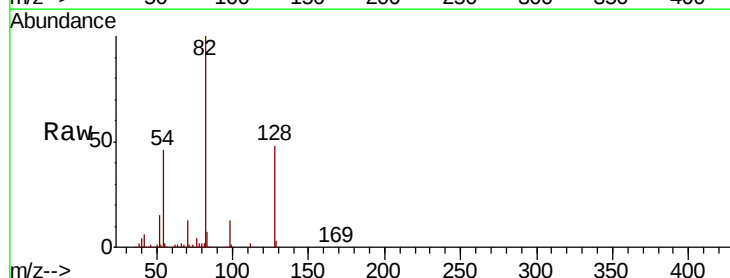
Ion Ratio Lower Upper

70 100

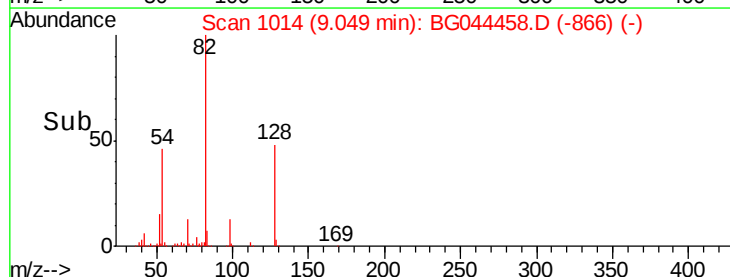
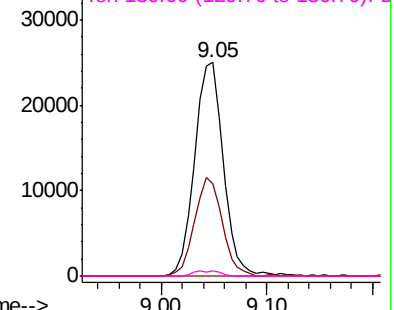
42 43.2 46.2 69.2#

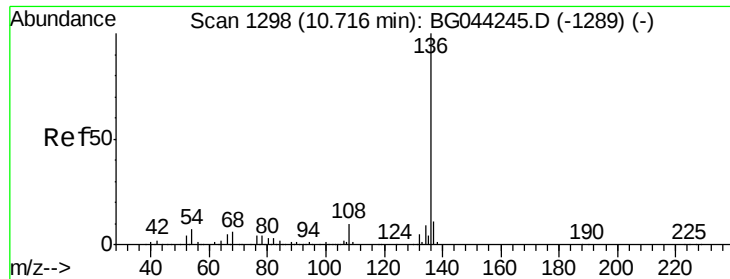
101 0.0 8.4 12.6#

130 2.6 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

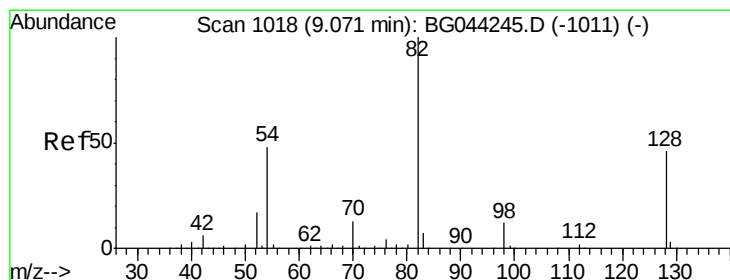
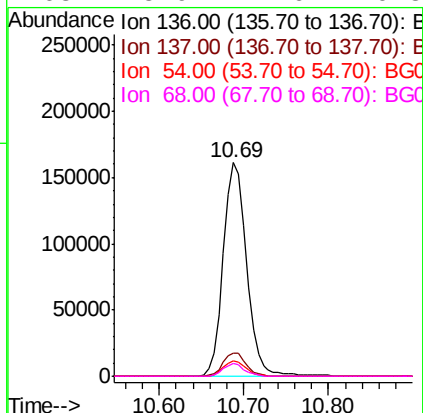
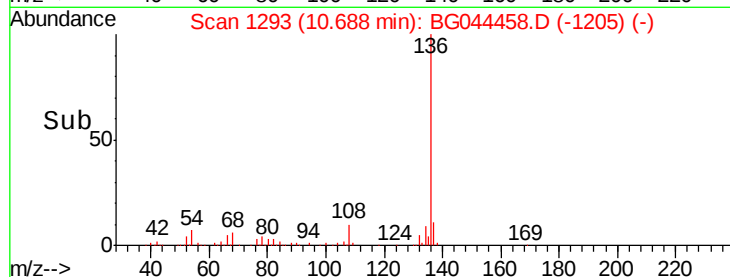
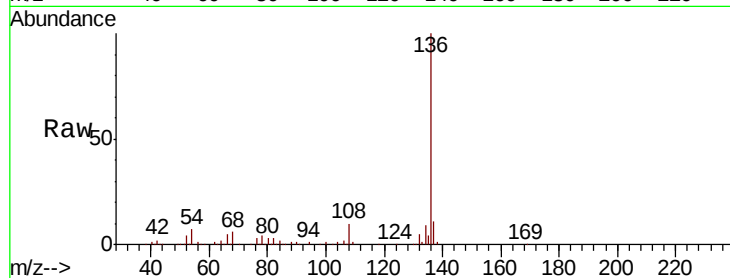




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

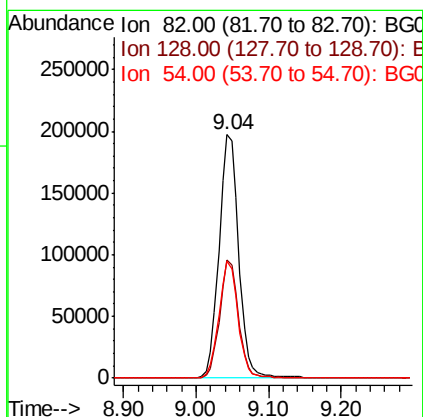
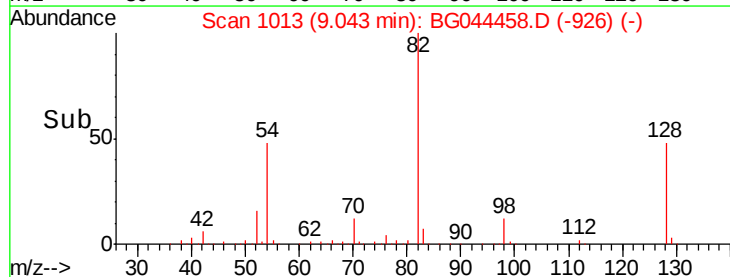
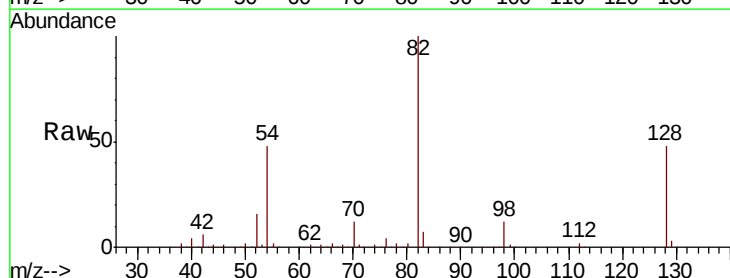
Instrument :
BNA_G
ClientSampled :

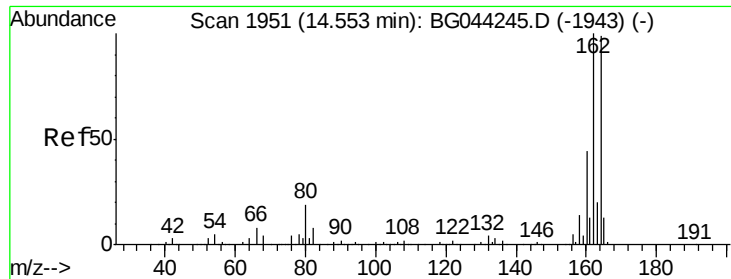
Tot Ion:136	Resp:	309961
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	7.4	5.8 8.8
68	5.9	4.6 6.8



#23
Nitrobenzene-d5
Concen: 67.847 ng
RT: 9.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

Tgt Ion: 82	Resp:	372498
Ion	Ratio	Lower Upper
82	100	
128	48.5	36.5 54.7
54	48.2	38.6 58.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

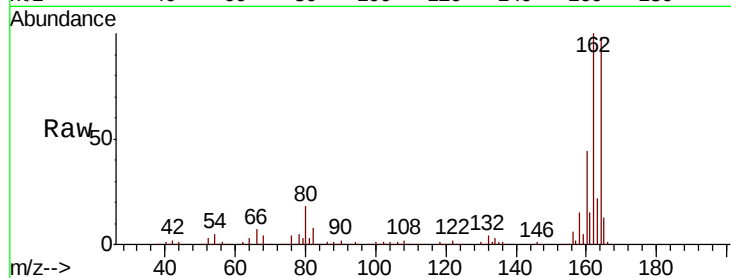
Tot Ion:164 Resp: 198669

Ion Ratio Lower Upper

164 100

162 101.9 80.7 121.1

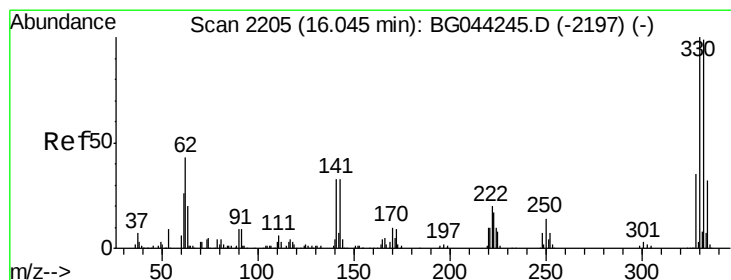
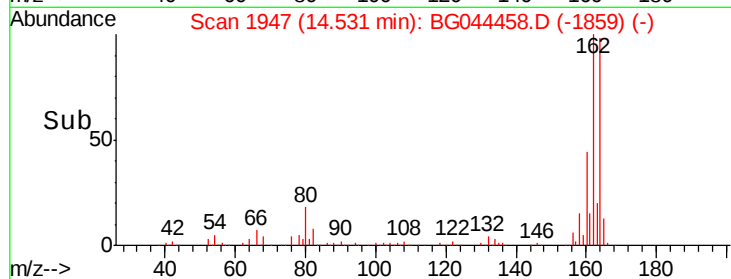
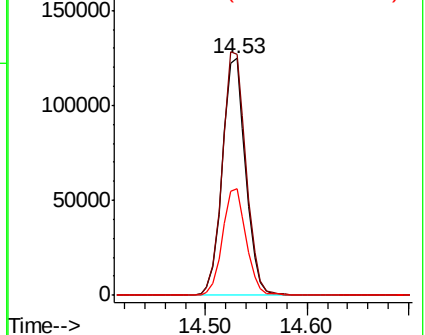
160 45.0 35.3 52.9



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: 105.013 ng

RT: 16.02 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

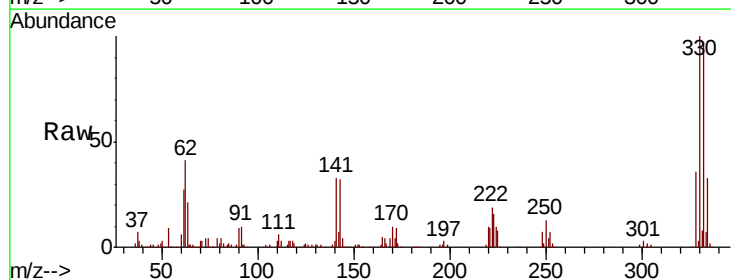
Tgt Ion:330 Resp: 244917

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

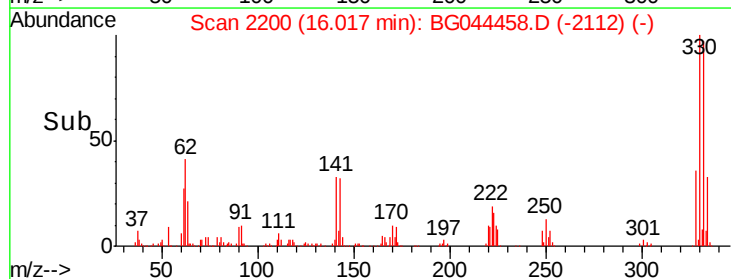
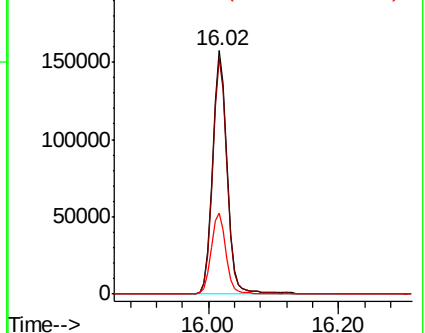
141 33.5 28.3 42.5

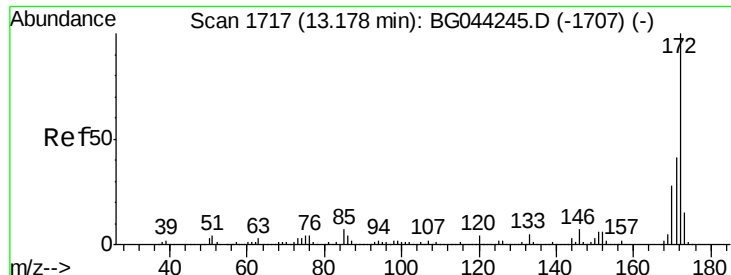


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



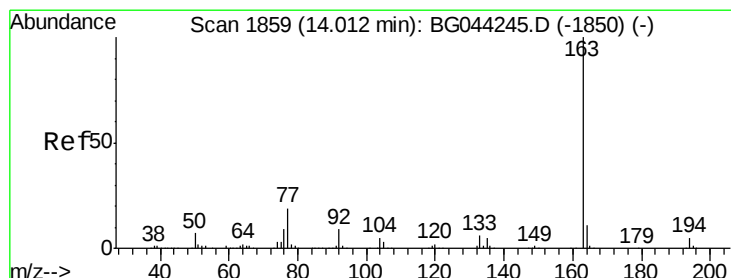
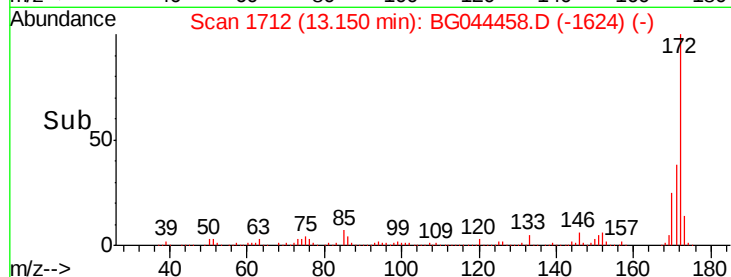
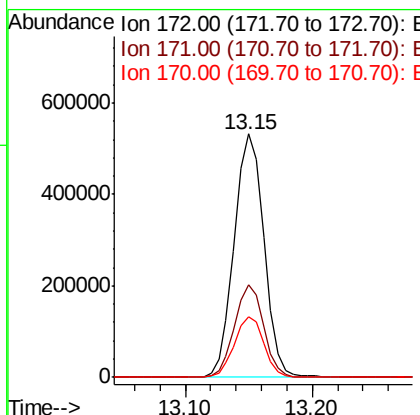
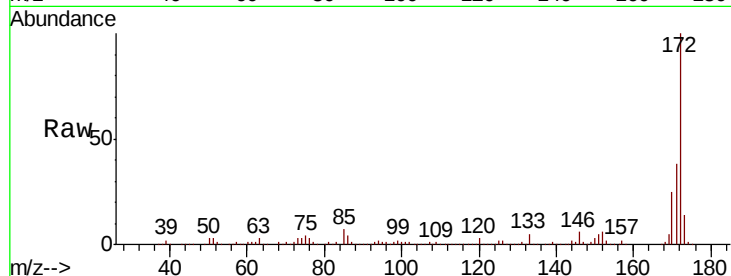


#45
 2-Fluorobiphenyl
 Concen: 72.923 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG044458.D
 Acq: 17 Feb 2020 22:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 865160

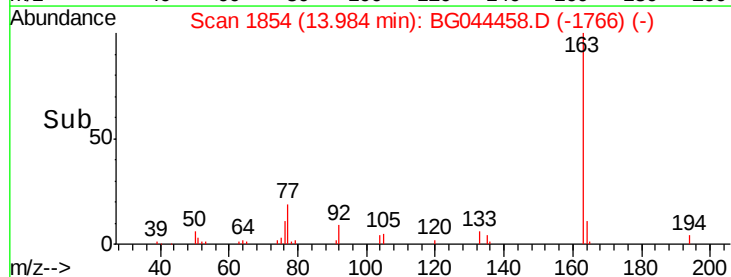
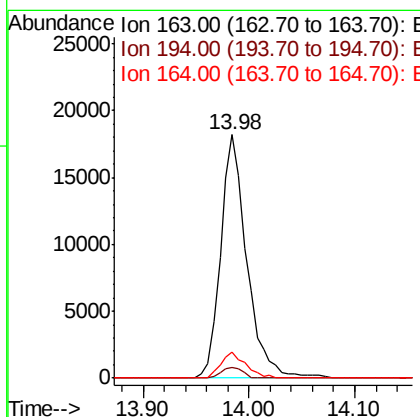
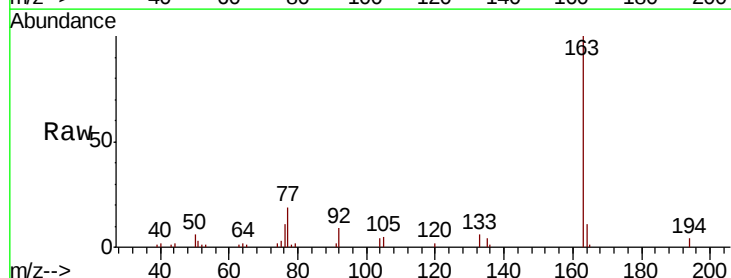
Ion	Ratio	Lower	Upper
172	100		
171	37.9	32.9	49.3
170	25.0	22.0	33.0

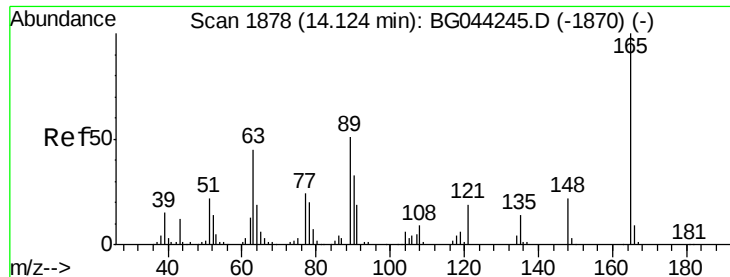


#50
 Dimethylphthalate
 Concen: 2.192 ng
 RT: 13.98 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG044458.D
 Acq: 17 Feb 2020 22:16

Tgt Ion:163 Resp: 31304

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.6	8.7	13.1

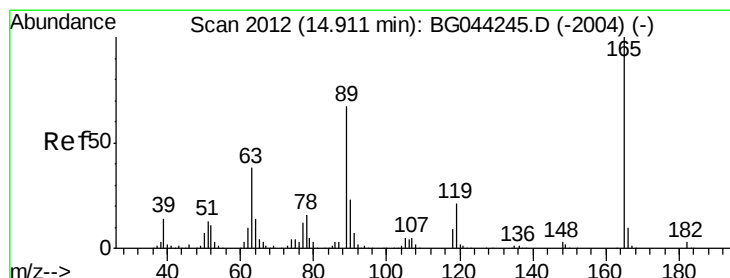
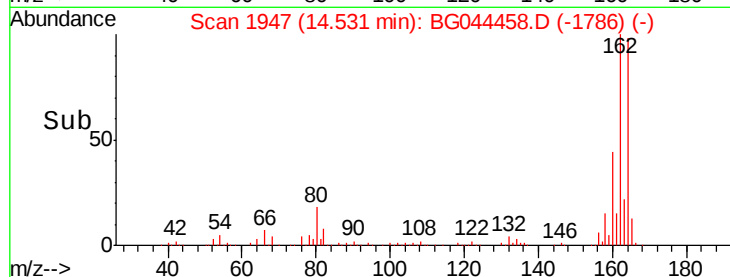
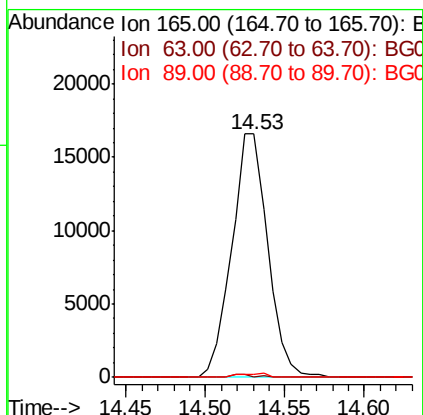
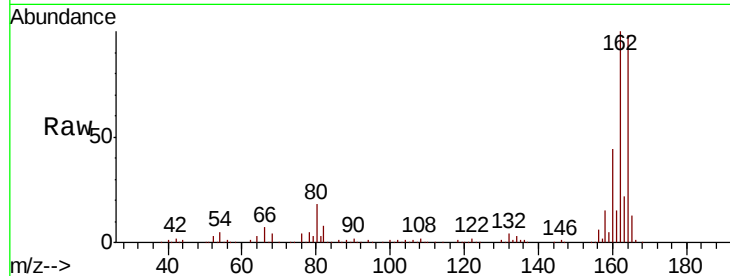




#51
 2,6-Dinitrotoluene
 Concen: 8.208 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044458.D
 Acq: 17 Feb 2020 22:16

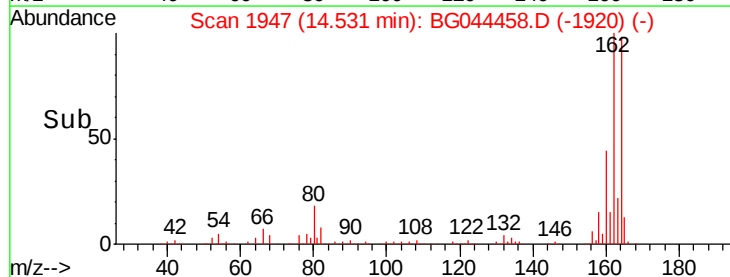
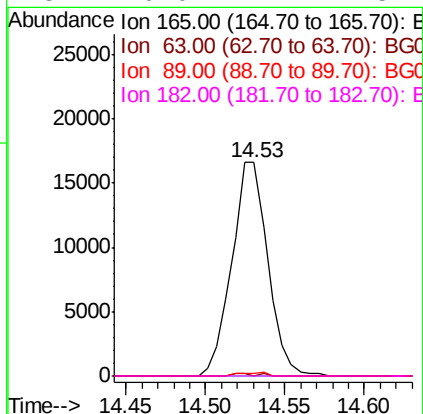
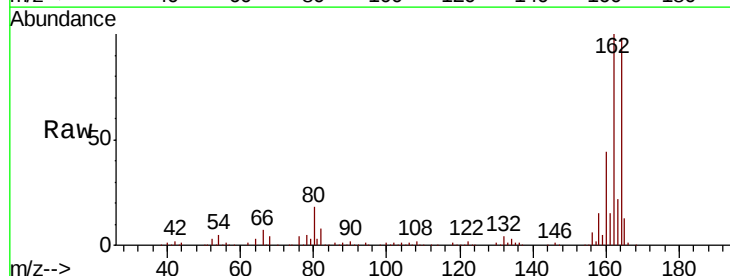
Instrument :
 BNA_G
 ClientSampleId :

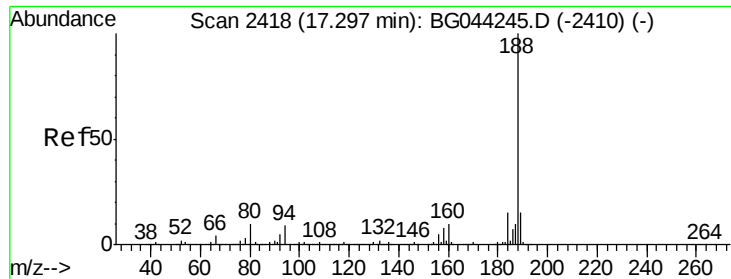
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.0	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.857 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG044458.D
 Acq: 17 Feb 2020 22:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.0	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. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

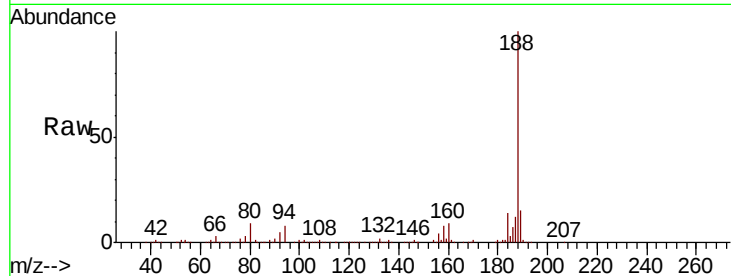
Tot Ion:188 Resp: 434758

Ion Ratio Lower Upper

188 100

94 8.4 7.4 11.2

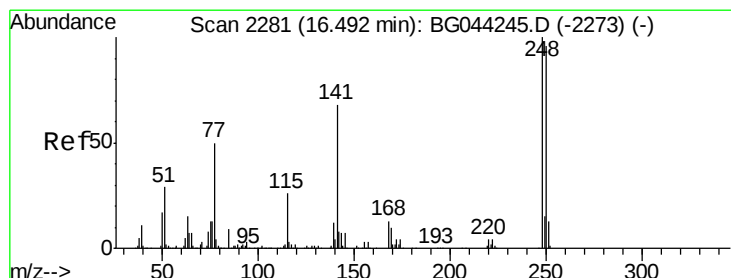
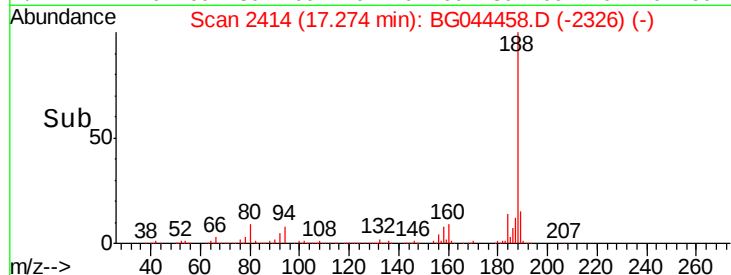
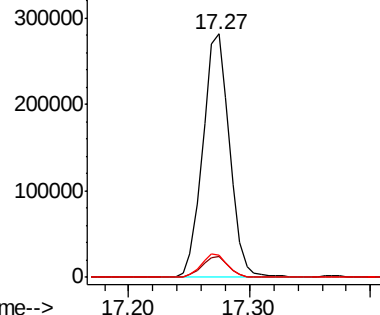
80 8.9 7.7 11.5



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: 3.369 ng

RT: 16.02 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

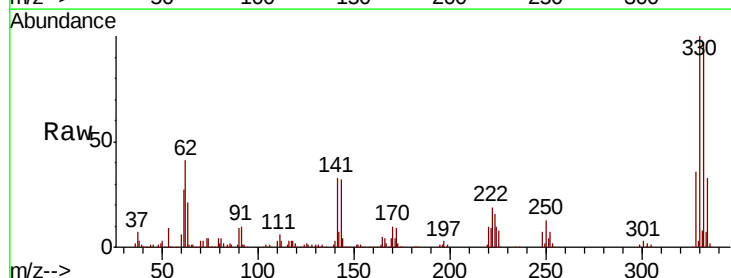
Tgt Ion:248 Resp: 15957

Ion Ratio Lower Upper

248 100

250 187.6 76.6 114.8#

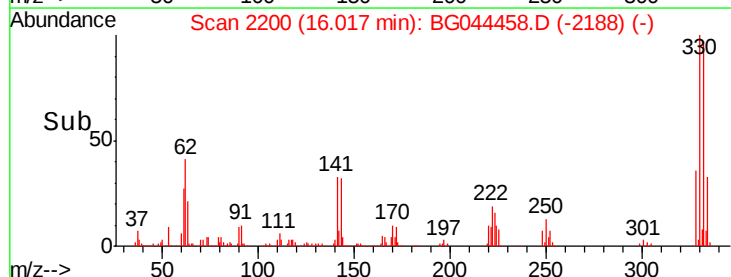
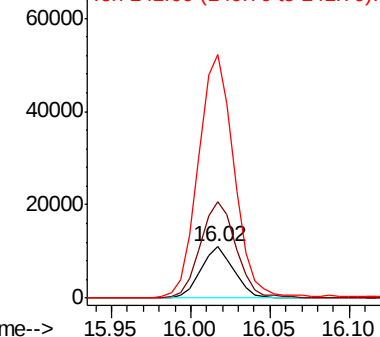
141 475.5 54.7 82.1#

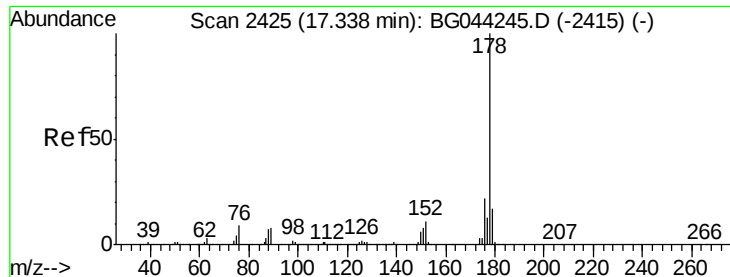


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

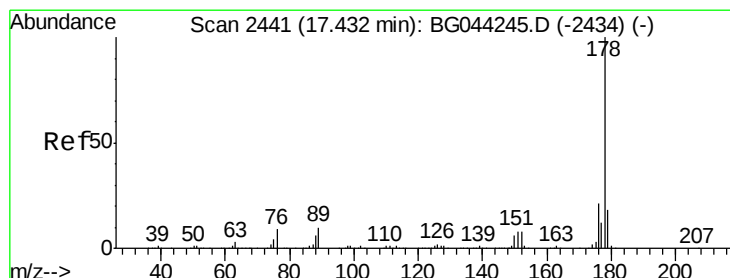
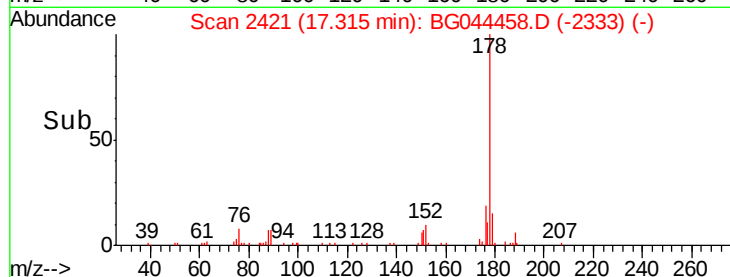
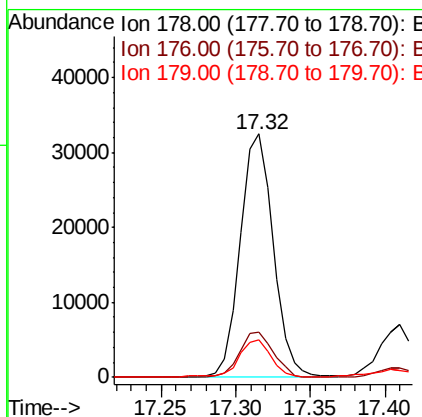
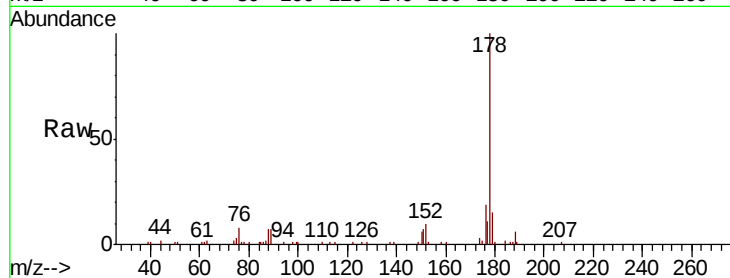




#71
Phenanthrene
Concen: 2.379 ng
RT: 17.32 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

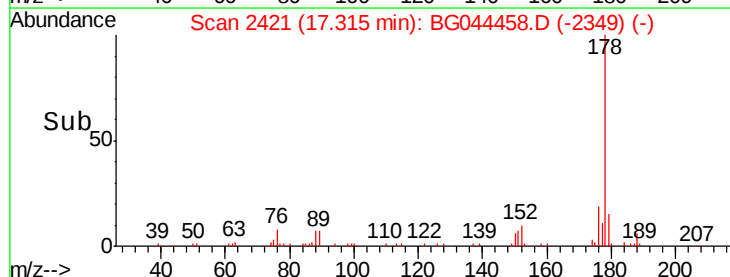
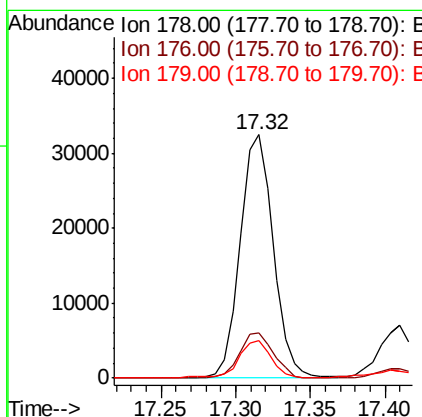
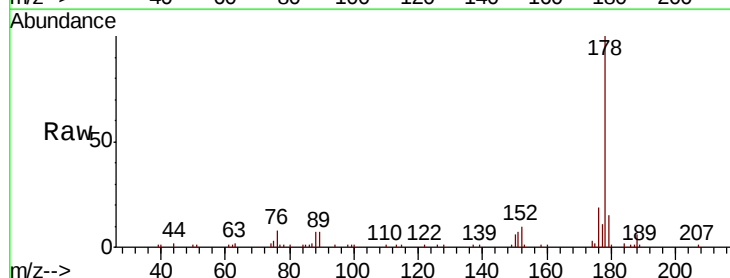
Instrument :
BNA_G
ClientSampleId :

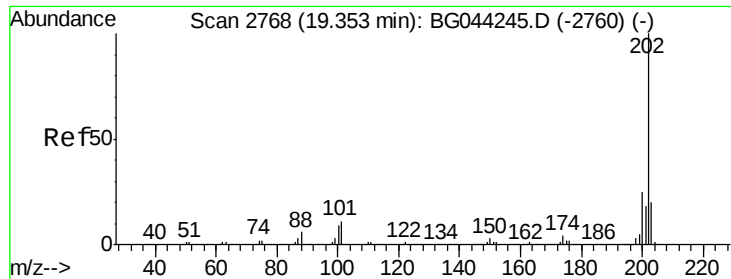
Tot Ion:178 Resp: 50079
Ion Ratio Lower Upper
178 100
176 18.5 17.7 26.5
179 15.2 13.7 20.5



#72
Anthracene
Concen: 2.406 ng
RT: 17.32 min Scan# 2421
Delta R.T. -0.11 min
Lab File: BG044458.D
Acq: 17 Feb 2020 22:16

Tgt Ion:178 Resp: 50079
Ion Ratio Lower Upper
178 100
176 18.5 17.0 25.4
179 15.2 14.4 21.6





#75

Fluoranthene

Concen: 4.298 ng

RT: 19.32 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

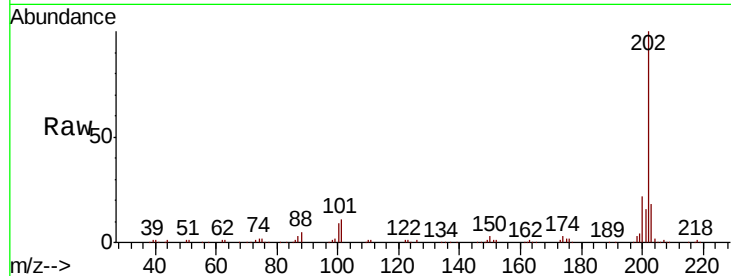
Tot Ion:202 Resp: 104675

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.3

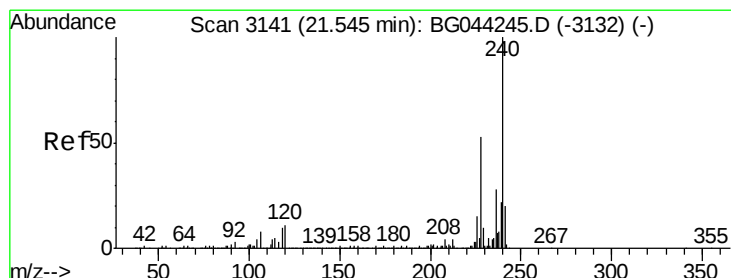
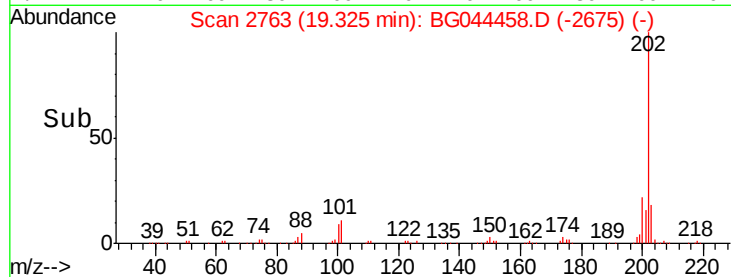
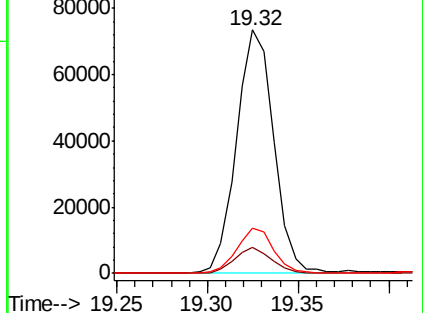
203 18.4 0.0 39.9



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. -0.02 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

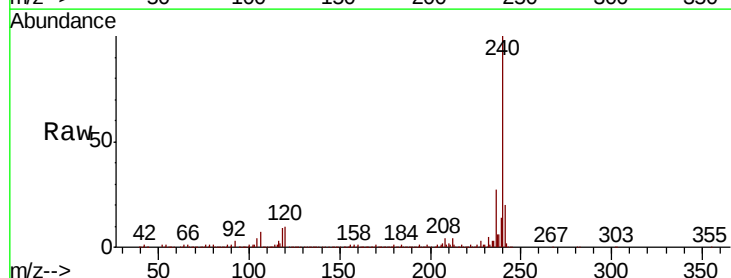
Tgt Ion:240 Resp: 430805

Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

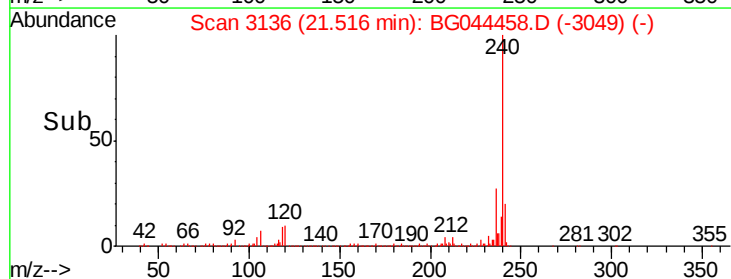
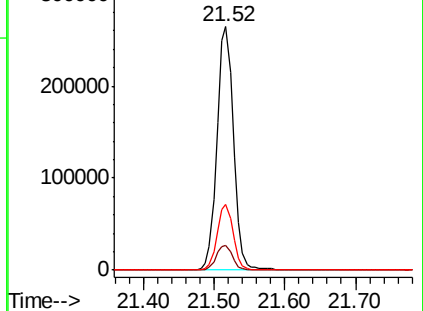
236 26.8 22.1 33.1

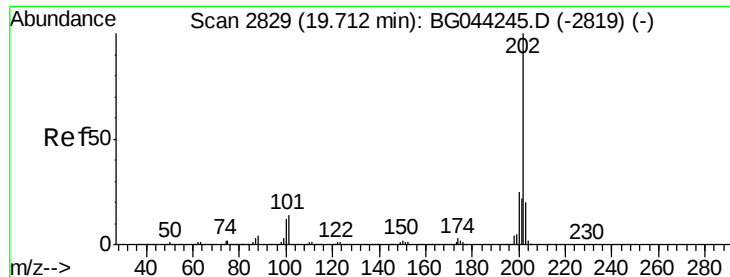


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.605 ng

RT: 19.68 min Scan# 2824

Delta R.T. -0.02 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

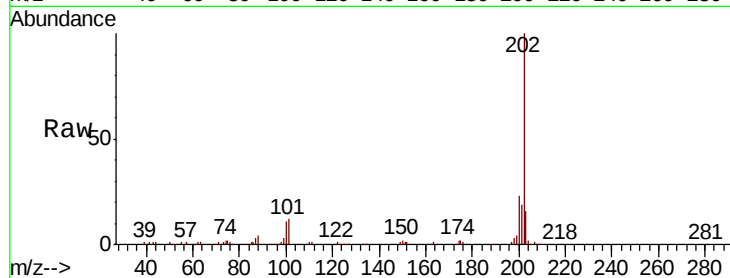
Tot Ion:202 Resp: 99728

Ion Ratio Lower Upper

202 100

200 22.6 20.0 30.0

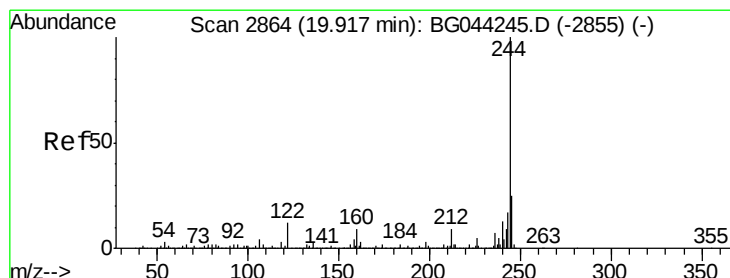
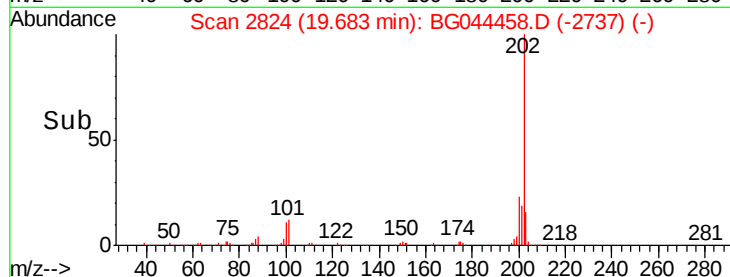
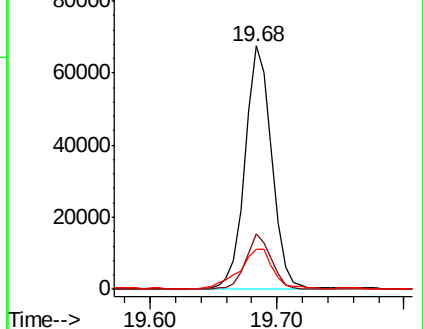
203 16.3 16.2 24.2



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: 63.367 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

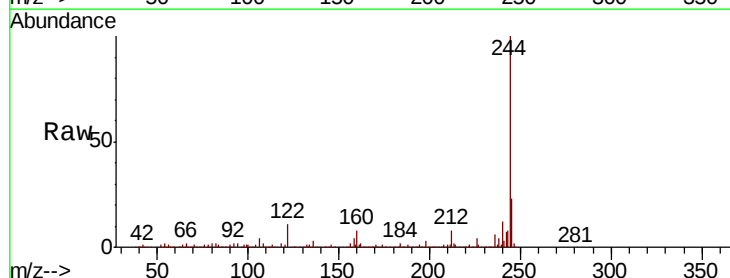
Tgt Ion:244 Resp: 1327199

Ion Ratio Lower Upper

244 100

212 8.2 7.4 11.2

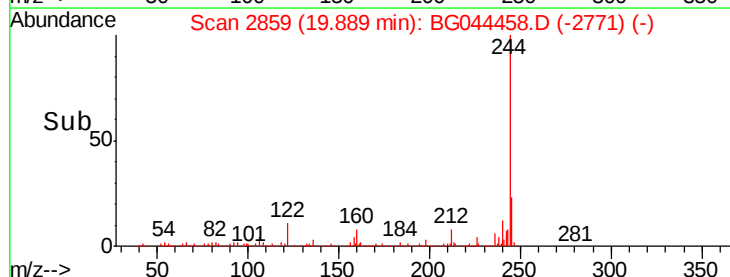
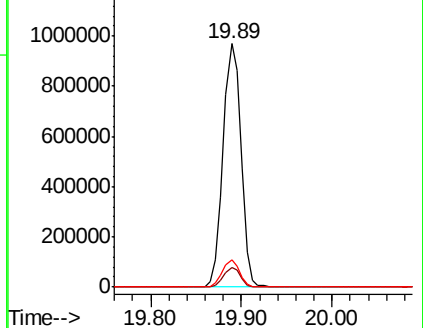
122 11.1 9.8 14.6

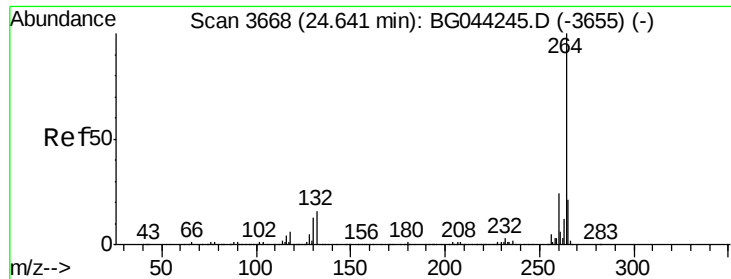


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.59 min Scan# 3659

Delta R.T. -0.03 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

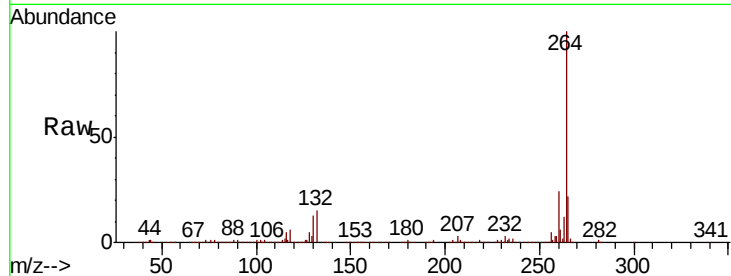
Tot Ion:264 Resp: 451638

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

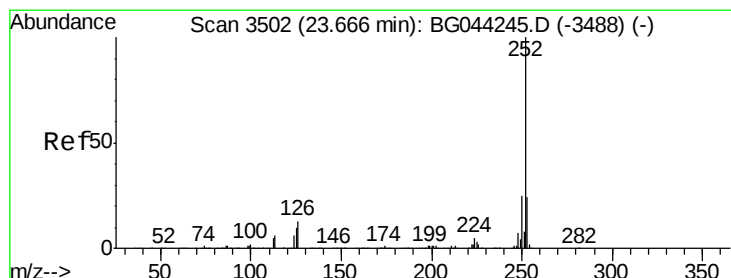
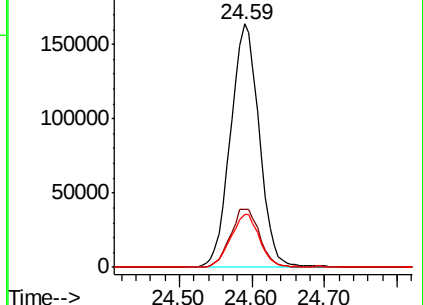
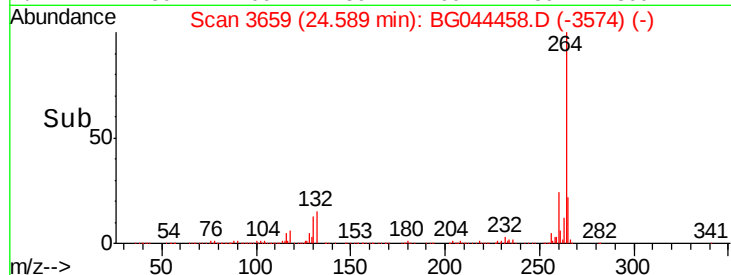
265 21.9 16.7 25.1



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: 2.297 ng

RT: 23.62 min Scan# 3494

Delta R.T. -0.03 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

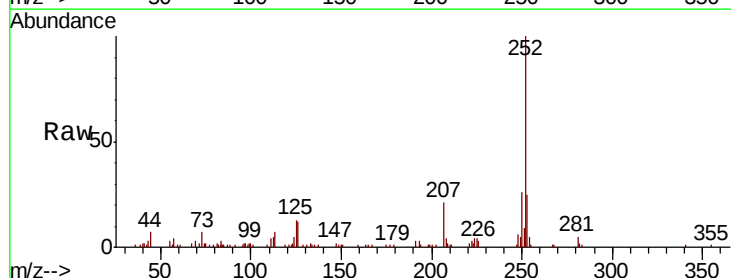
Tgt Ion:252 Resp: 59787

Ion Ratio Lower Upper

252 100

253 25.1 19.2 28.8

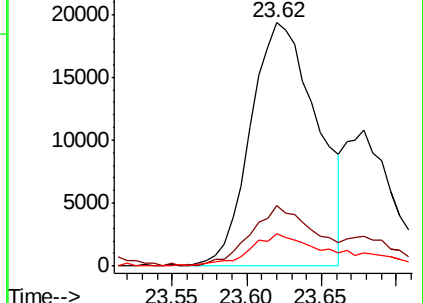
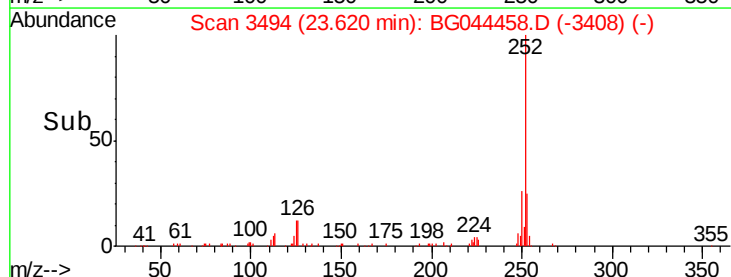
125 13.3 8.4 12.6#

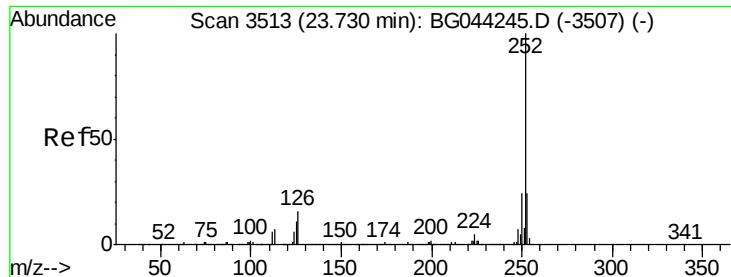


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.357 ng

RT: 23.62 min Scan# 3494

Delta R.T. -0.09 min

Lab File: BG044458.D

Acq: 17 Feb 2020 22:16

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 59787

Ion Ratio Lower Upper

252 100

253 25.1 19.1 28.7

125 13.3 8.6 12.8#

