

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\
 Data File : BG044590.D
 Acq On : 25 Feb 2020 23:53
 Operator : CG/JU
 Sample : L1586-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 26 05:04:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	63547	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	253052	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	170999	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	406835	20.00	ng	0.00
76) Chrysene-d12	21.50	240	412408	20.00	ng	0.00
87) Perylene-d12	24.57	264	425584	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	345751	87.30	ng	0.00
7) Phenol-d6	7.05	99	351727	64.88	ng	0.00
23) Nitrobenzene-d5	9.03	82	405367	82.53	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	313484	129.29	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	947224	79.32	ng	0.00
79) Terphenyl-d14	19.88	244	1709583	78.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.33	88	112	0.065	ng	# 79
3) Pyridine	3.51	79	55	0.011	ng	# 1
4) n-Nitrosodimethylamine	3.65	42	62	0.034	ng	# 1
9) Benzaldehyde	7.05	77	558	0.175	ng	# 1
10) Phenol	7.08	94	3162	0.602	ng	# 67
15) Benzyl Alcohol	8.19	79	6494	1.776	ng	# 50
19) n-Nitroso-di-n-propylamine	9.03	70	51972	14.914	ng	# 79
22) Acetophenone	8.70	105	2258	0.355	ng	# 97
24) Nitrobenzene	9.03	77	1235	0.260	ng	# 36
25) Isophorone	9.67	82	189	0.021	ng	# 65
31) Naphthalene	10.73	128	284	0.021	ng	# 68
46) 1,1'-Biphenyl	13.35	154	2256	0.159	ng	# 96
48) 2-Nitroaniline	13.97	65	81	0.026	ng	# 1
50) Dimethylphthalate	13.97	163	34146	2.474	ng	# 98
51) 2,6-Dinitrotoluene	14.52	165	22406	7.361	ng	# 32
52) Acenaphthene	14.52	154	646	0.062	ng	# 5
57) 2,4-Dinitrotoluene	14.52	165	22406	5.236	ng	# 31
58) Fluorene	16.01	166	12918	1.018	ng	# 89
60) Diethylphthalate	15.34	149	2808	0.205	ng	# 92
63) Azobenzene	16.00	77	1443	0.124	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.00	198	894	0.355	ng	# 1
66) n-Nitrosodiphenylamine	16.01	169	10108	0.797	ng	# 48
67) 4-Bromophenyl-phenylether	16.01	248	21417	4.241	ng	# 1
71) Phenanthrene	17.31	178	197	0.009	ng	# 58
72) Anthracene	17.40	178	53	0.002	ng	# 59
74) Di-n-butylphthalate	18.23	149	15639	0.618	ng	# 96
75) Fluoranthene	19.33	202	328	0.012	ng	# 62
77) Benzidine	19.88	184	26765	1.895	ng	# 93
78) Pyrene	19.68	202	413	0.014	ng	# 55
80) Butylbenzylphthalate	20.57	149	890	0.068	ng	# 88
81) Benzo(a)anthracene	21.50	228	1728	0.060	ng	# 65
82) 3,3'-Dichlorobenzidine	21.05	252	56	0.005	ng	# 25
83) Chrysene	21.54	228	550	0.020	ng	# 40
84) Bis(2-ethylhexyl)phthalate	21.41	149	3819	0.212	ng	# 93

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 2020
Response via : Initial Calibration

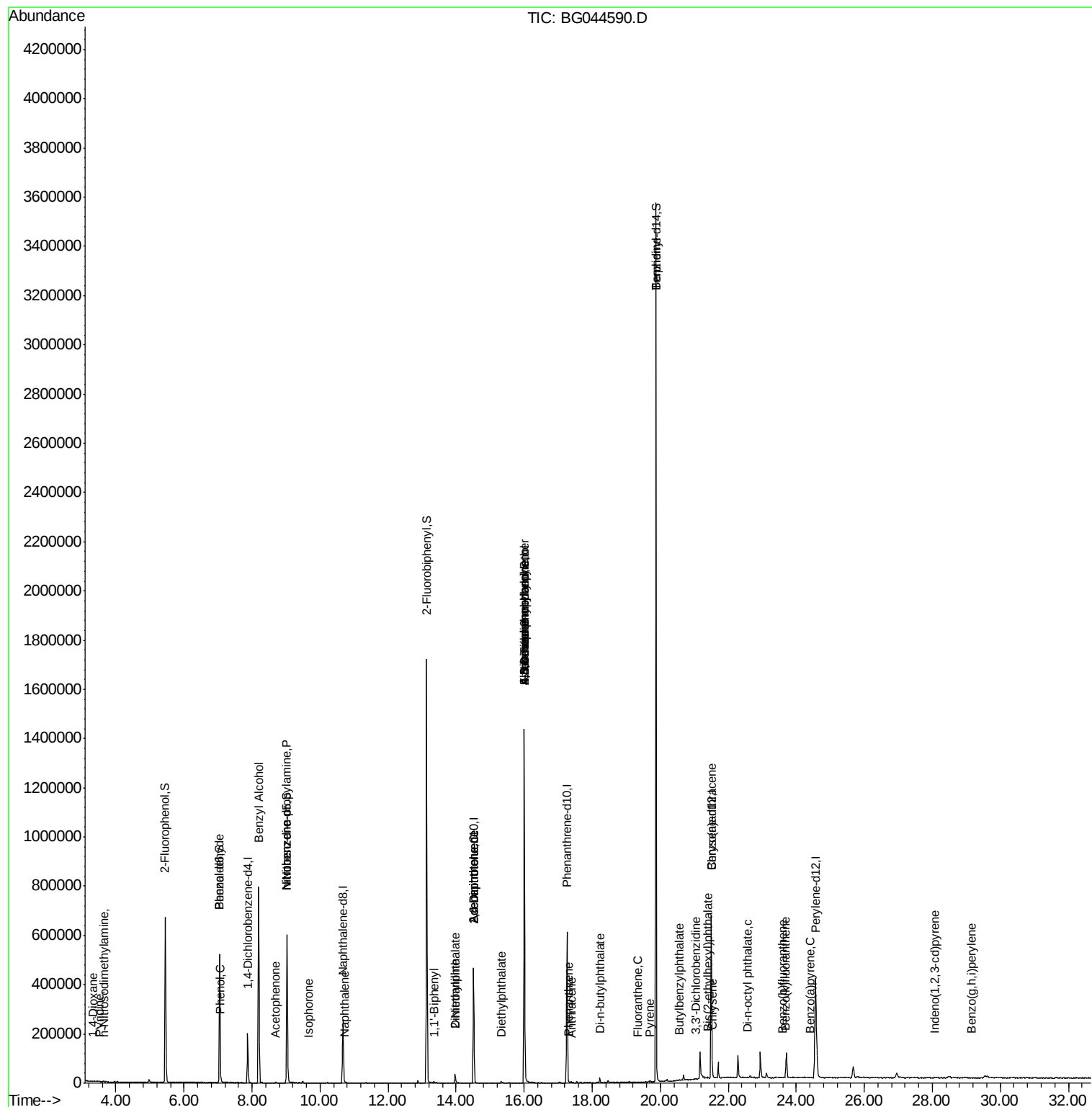
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.56	149	1343	0.042	ng	# 80
86) Indeno(1,2,3-cd)pyrene	28.08	276	281	0.008	ng	# 51
88) Benzo(b)fluoranthene	23.60	252	560	0.020	ng	# 59
89) Benzo(k)fluoranthene	23.68	252	696	0.026	ng	# 14
90) Benzo(a)pyrene	24.41	252	296	0.011	ng	# 33
92) Benzo(a,h,i)perylene	29.14	276	56	0.002	ng	# 53

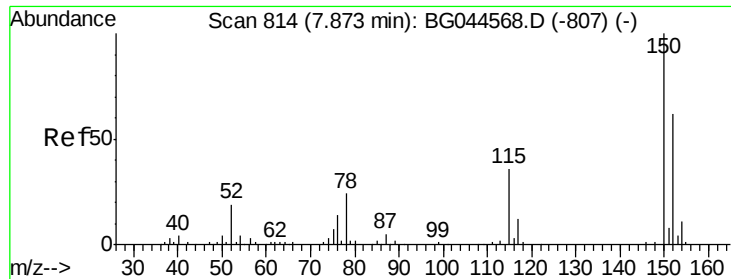
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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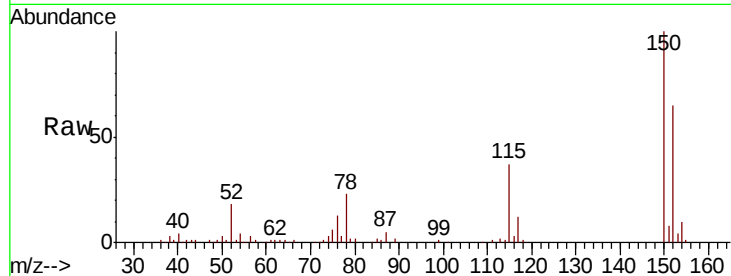




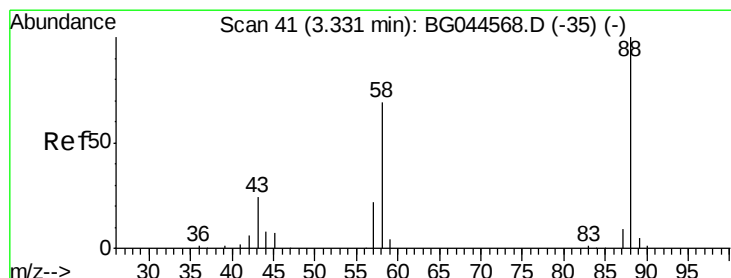
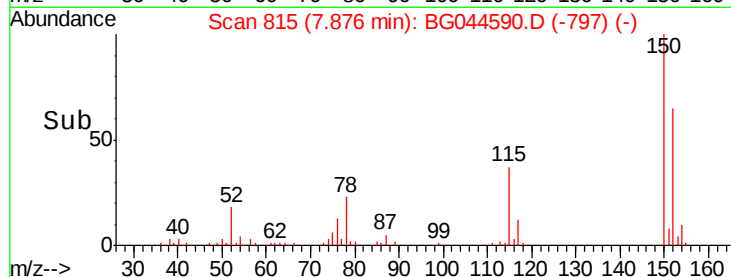
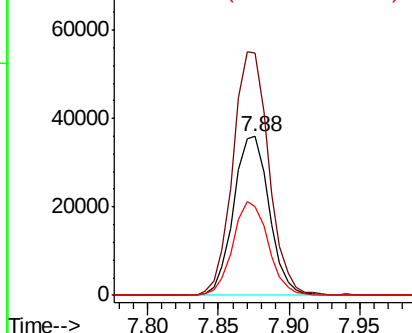
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BG044590.D
 Acq: 25 Feb 2020 23:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 63547
 Ion Ratio Lower Upper
 152 100
 150 152.8 128.9 193.3
 115 55.8 47.0 70.4

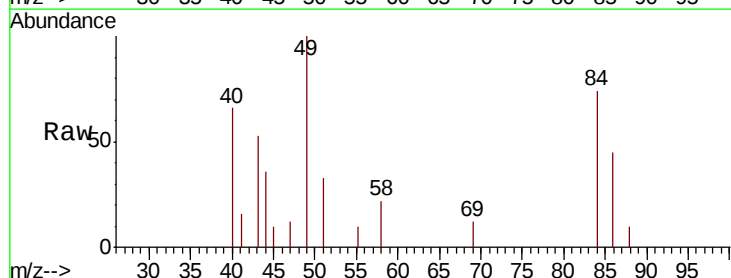


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

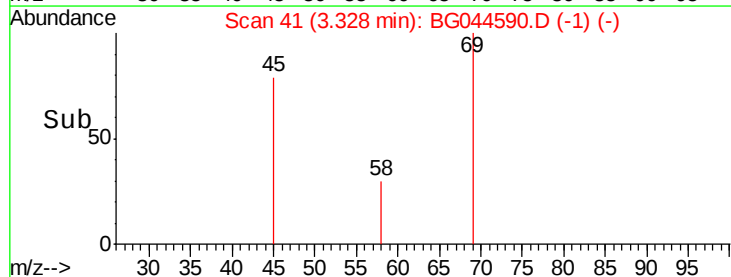
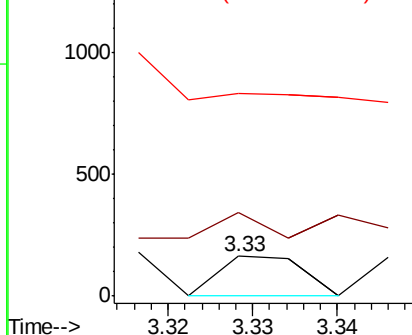


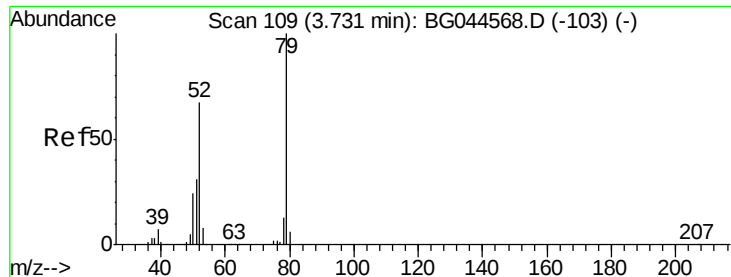
#2
 1,4-Dioxane
 Concen: 0.065 ng
 RT: 3.33 min Scan# 41
 Delta R.T. -0.00 min
 Lab File: BG044590.D
 Acq: 25 Feb 2020 23:53

Tgt Ion: 88 Resp: 112
 Ion Ratio Lower Upper
 88 100
 58 61.6 55.8 83.8
 43 0.0 20.6 31.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.011 ng

RT: 3.51 min Scan# 72

Delta R.T. -0.22 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

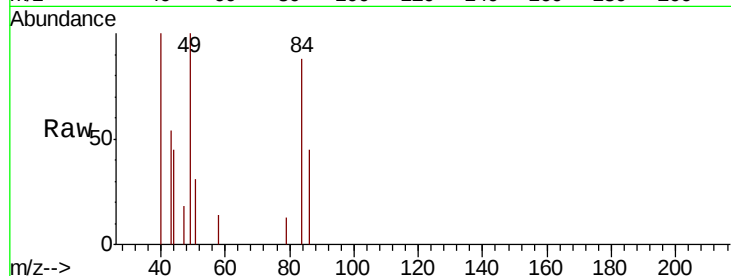
Tot Ion: 79 Resp: 55

Ion Ratio Lower Upper

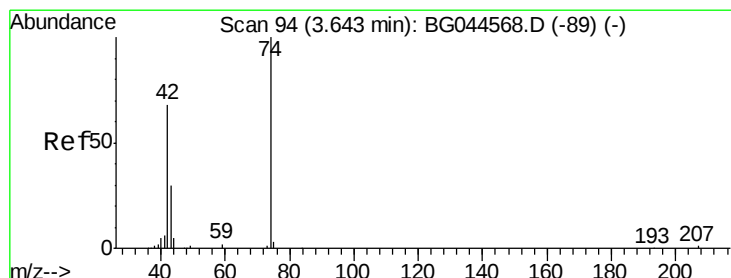
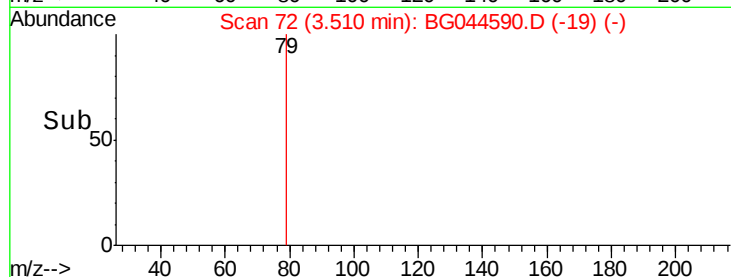
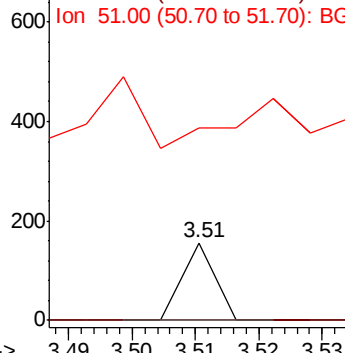
79 100

52 0.0 53.7 80.5#

51 247.4 25.4 38.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.034 ng

RT: 3.65 min Scan# 96

Delta R.T. 0.01 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

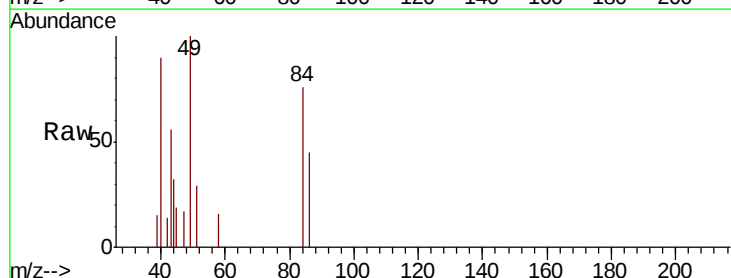
Tgt Ion: 42 Resp: 62

Ion Ratio Lower Upper

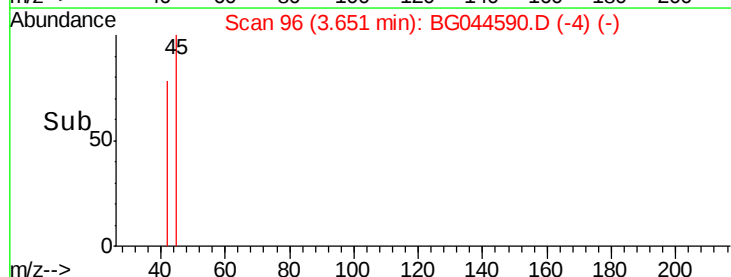
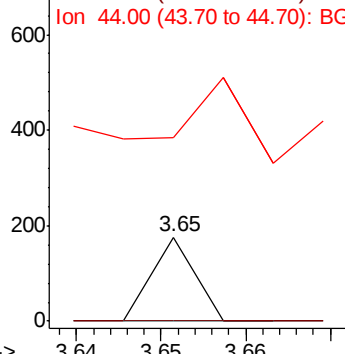
42 100

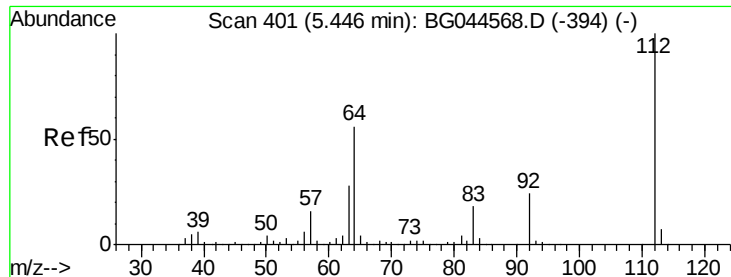
74 0.0 117.6 176.4#

44 218.2 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 87.297 ng

RT: 5.45 min Scan# 402

Delta R.T. 0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampled :

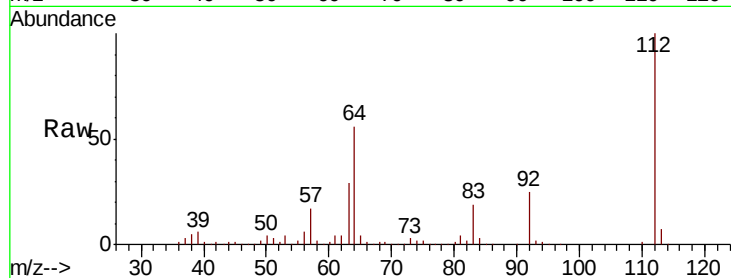
Tot Ion: 112 Resp: 345751

Ion Ratio Lower Upper

112 100

64 56.0 44.8 67.2

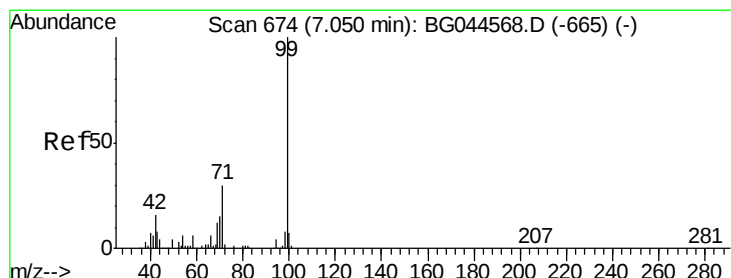
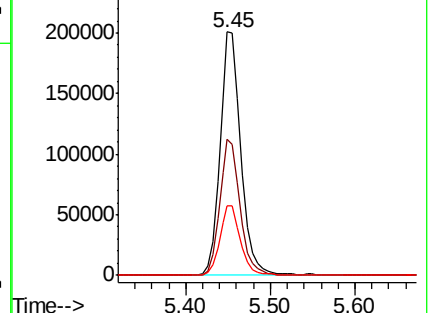
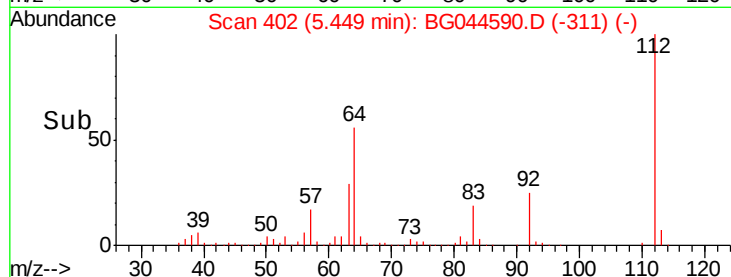
63 28.7 22.3 33.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 64.878 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

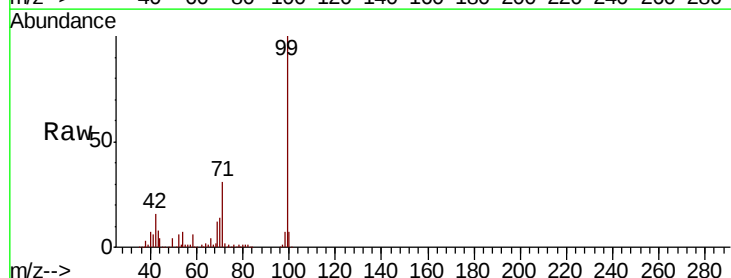
Tgt Ion: 99 Resp: 351727

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

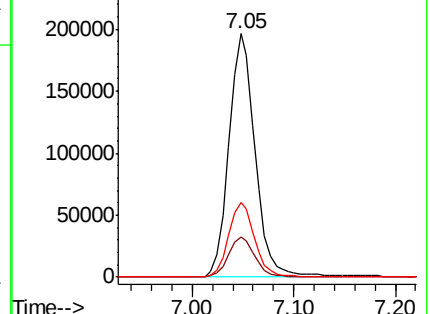
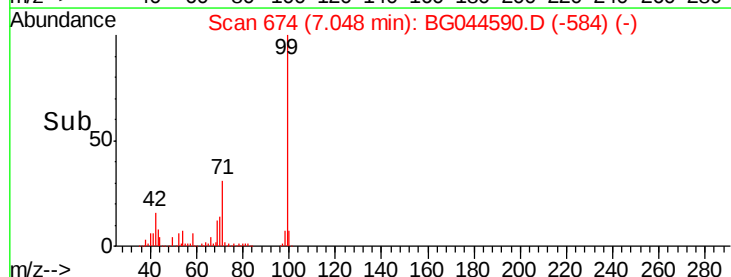
71 30.5 24.4 36.6

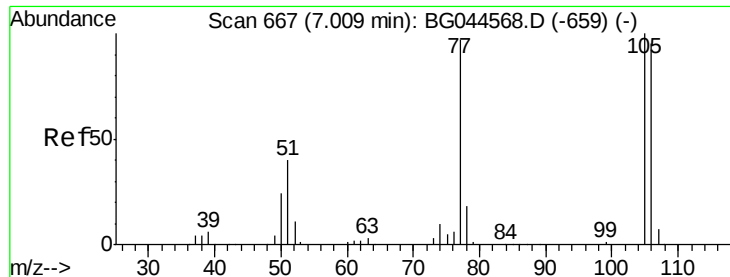


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 0.175 ng

RT: 7.05 min Scan# 674

Delta R.T. 0.04 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

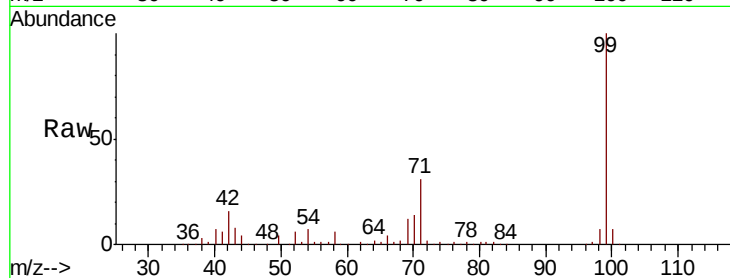
Tot Ion: 77 Resp: 558

Ion Ratio Lower Upper

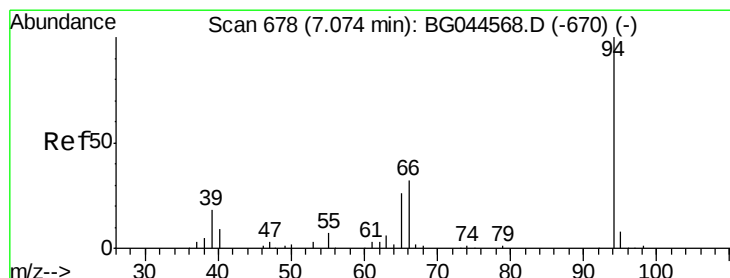
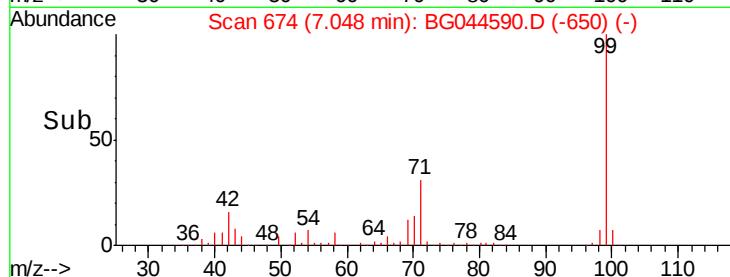
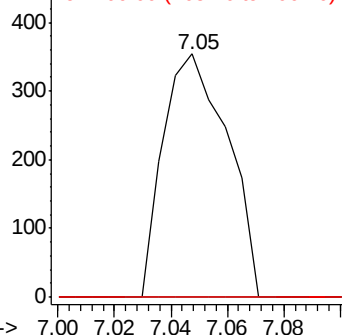
77 100

105 0.0 83.6 123.6#

106 0.0 78.2 118.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.602 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

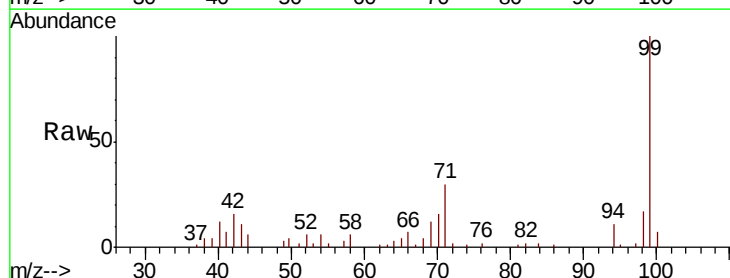
Tgt Ion: 94 Resp: 3162

Ion Ratio Lower Upper

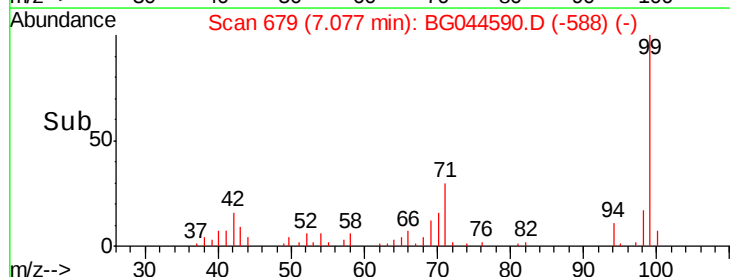
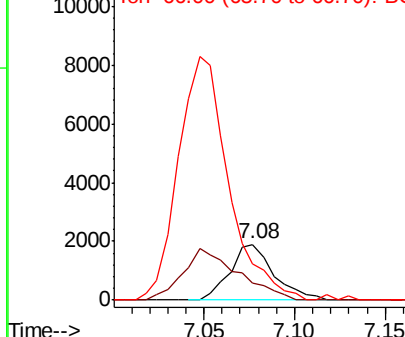
94 100

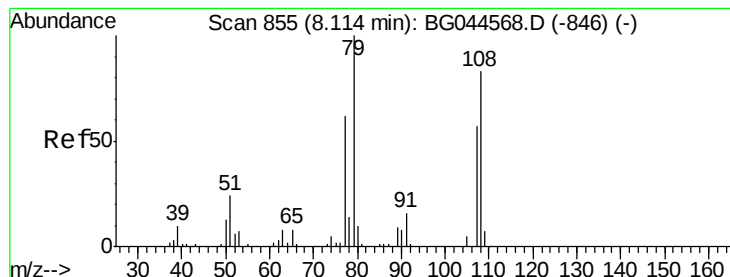
65 31.0 6.4 46.4

66 63.9 13.9 53.9#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 1.776 ng

RT: 8.19 min Scan# 869

Delta R.T. 0.08 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampled :

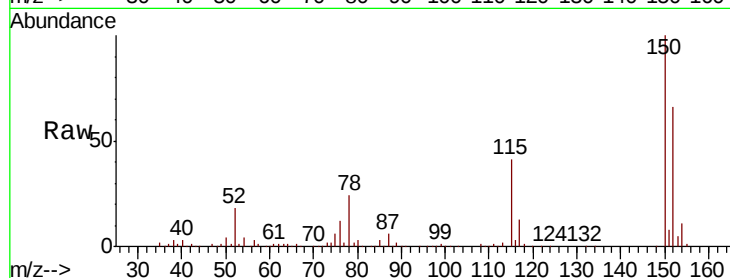
Tot Ion: 79 Resp: 6494

Ion Ratio Lower Upper

79 100

108 32.3 66.0 99.0#

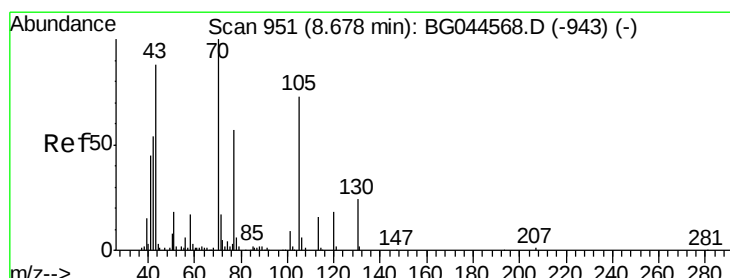
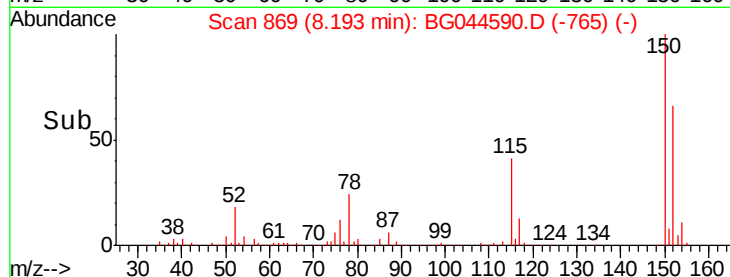
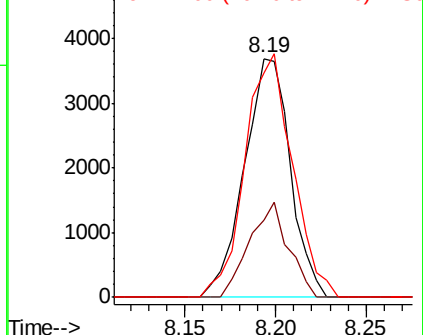
77 94.0 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.914 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Tgt Ion: 70 Resp: 51972

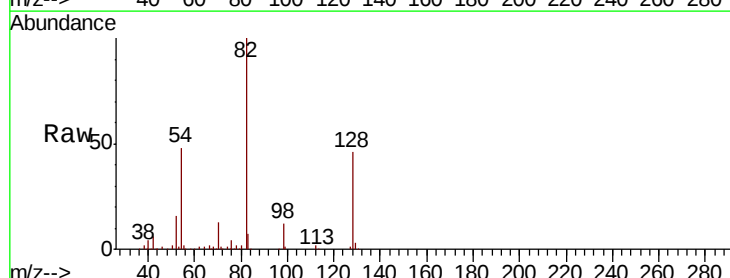
Ion Ratio Lower Upper

70 100

42 46.9 43.4 65.0

101 0.0 7.5 11.3#

130 2.2 18.9 28.3#

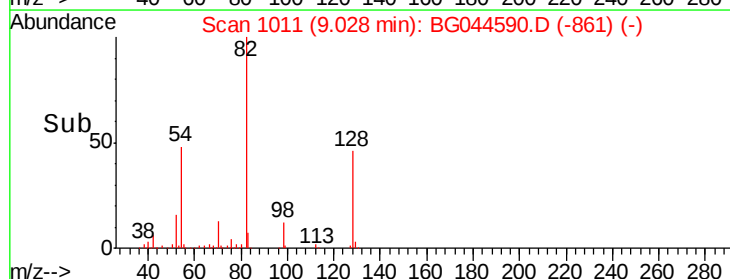
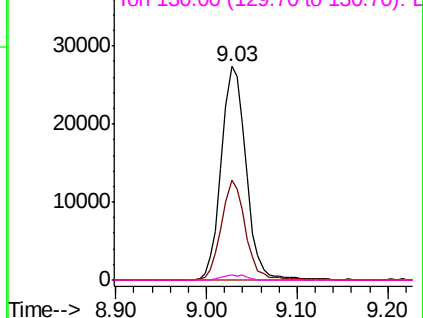


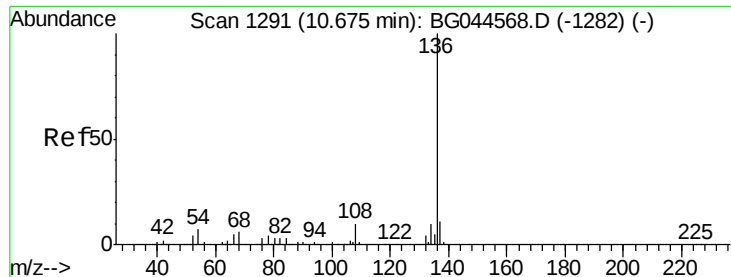
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.67 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 253052

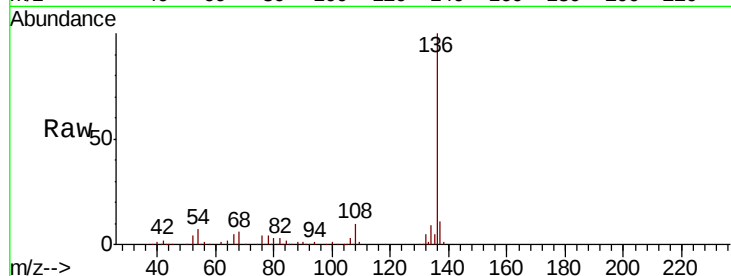
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.2 5.7 8.5

68 6.0 4.5 6.7

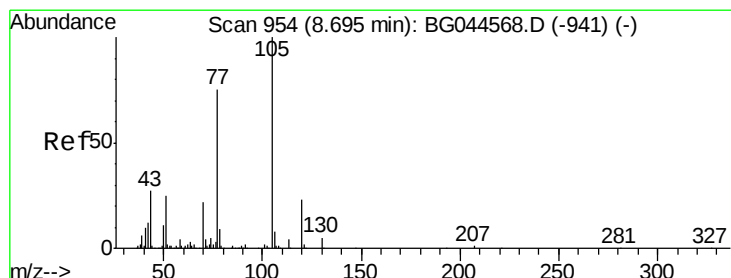
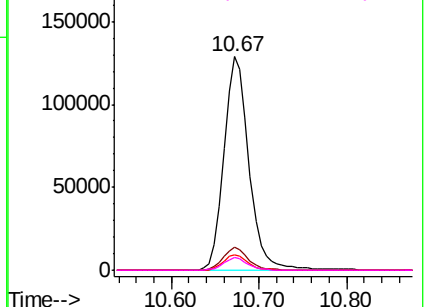
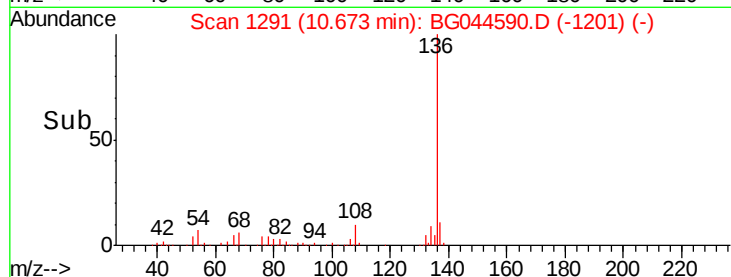


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.355 ng

RT: 8.70 min Scan# 956

Delta R.T. 0.01 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Tgt Ion:105 Resp: 2258

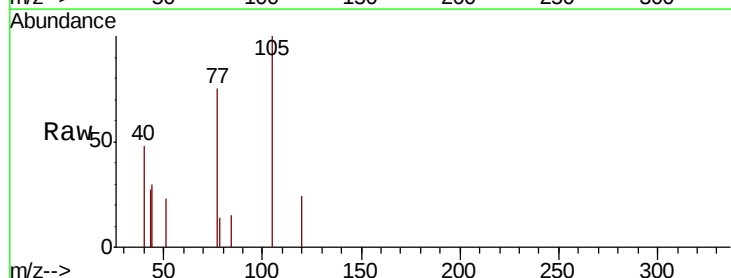
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 22.6 19.9 29.9

120 23.5 18.6 28.0

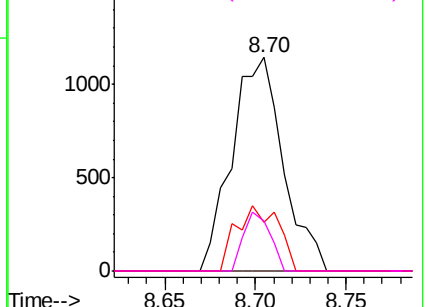
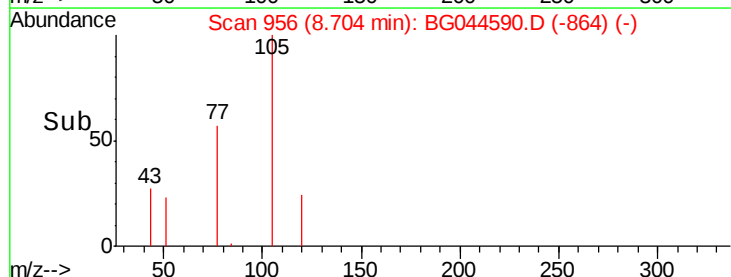


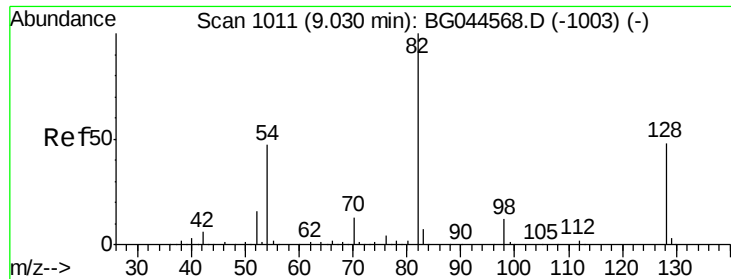
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

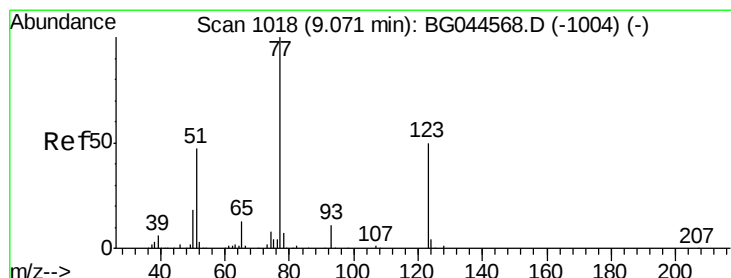
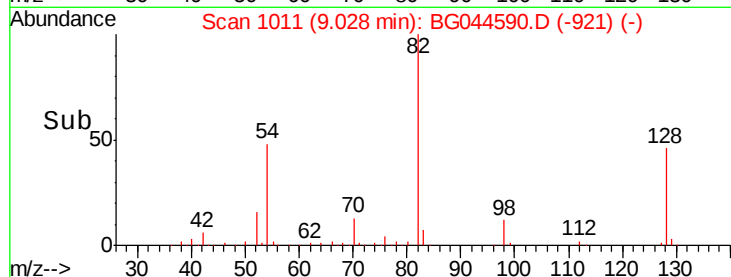
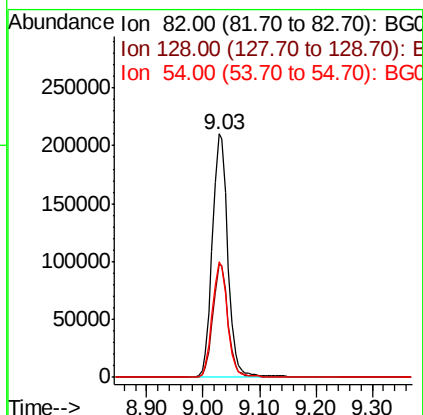
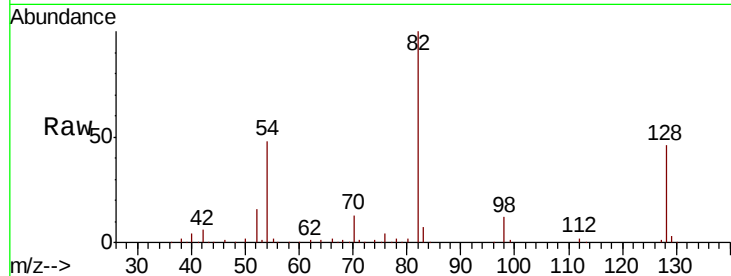




#23
Nitrobenzene-d5
Concen: 82.528 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

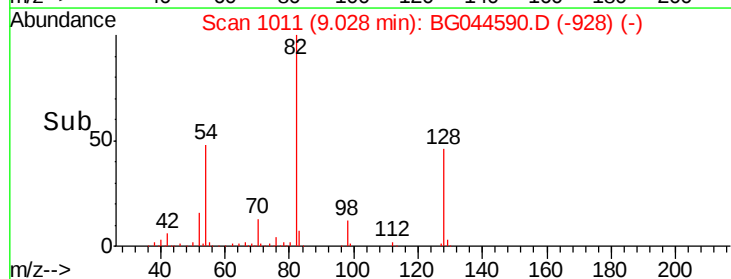
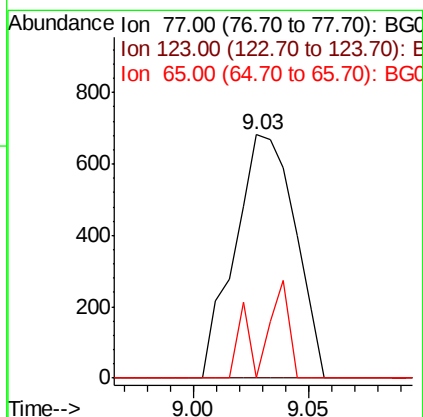
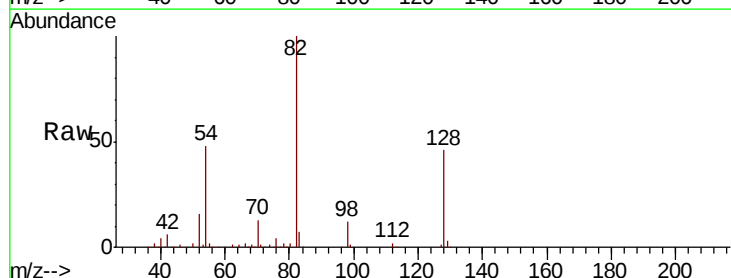
Instrument :
BNA_G
ClientSampleId :

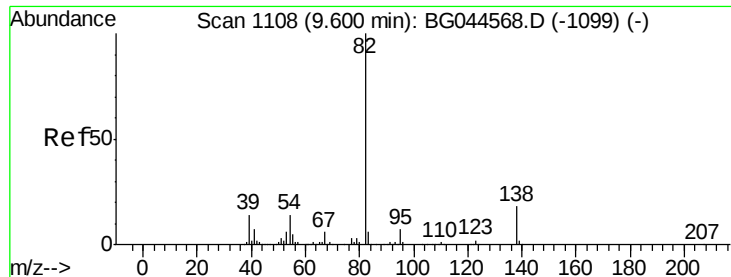
Tot Ion	82	Resp	405367
Ion Ratio	100	Lower	Upper
128	46.3	38.1	57.1
54	47.6	37.5	56.3



#24
Nitrobenzene
Concen: 0.260 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.04 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion	77	Resp	1235
Ion Ratio	100	Lower	Upper
123	0.0	40.1	60.1#
65	0.0	10.4	15.6#





#25

Isophorone

Concen: 0.021 ng

RT: 9.67 min Scan# 1120

Delta R.T. 0.07 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

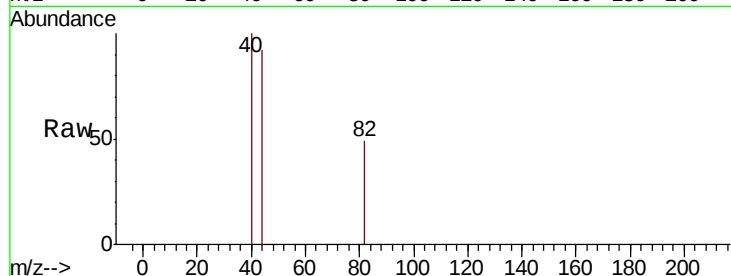
Tot Ion: 82 Resp: 189

Ion Ratio Lower Upper

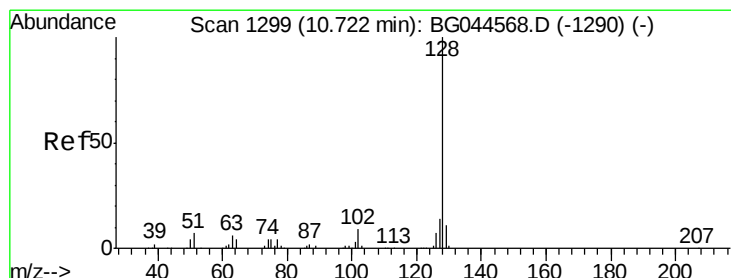
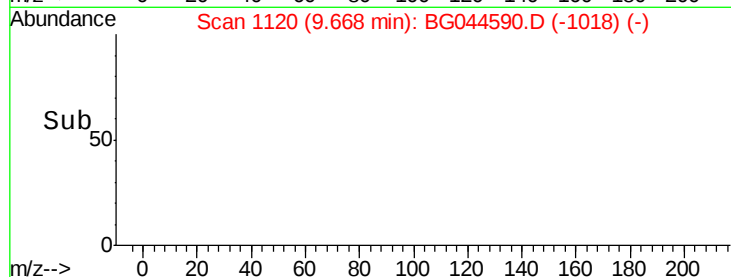
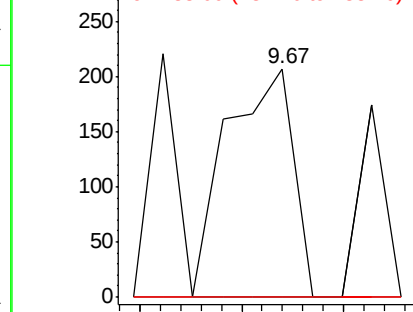
82 100

95 0.0 5.6 8.4#

138 0.0 14.7 22.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#31

Naphthalene

Concen: 0.021 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

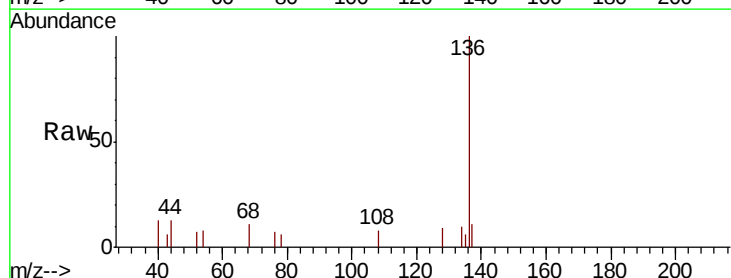
Tgt Ion: 128 Resp: 284

Ion Ratio Lower Upper

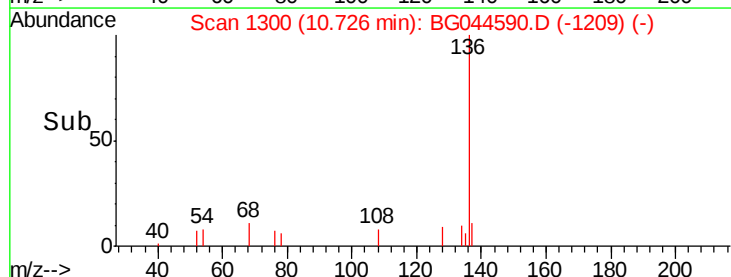
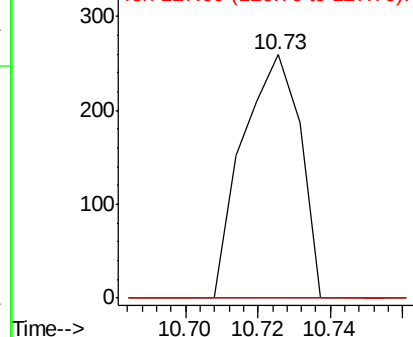
128 100

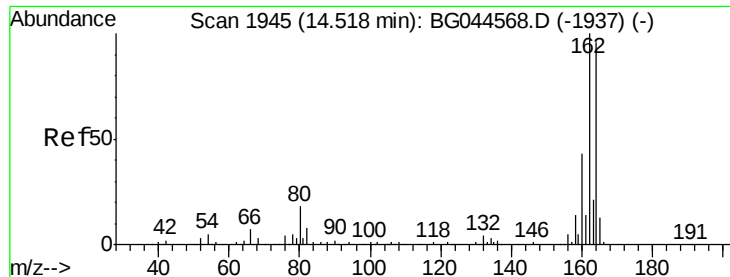
129 0.0 9.0 13.6#

127 0.0 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

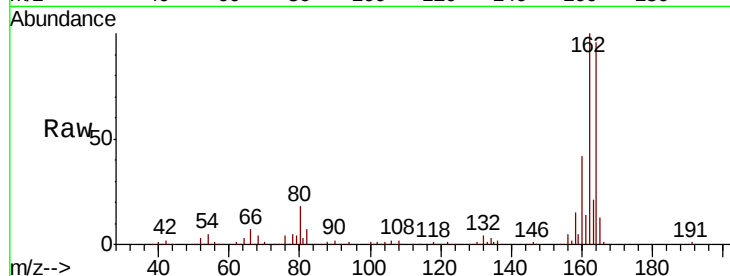
Tot Ion:164 Resp: 170999

Ion Ratio Lower Upper

164 100

162 104.3 83.6 125.4

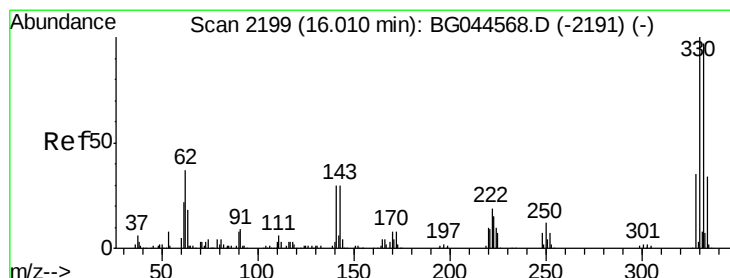
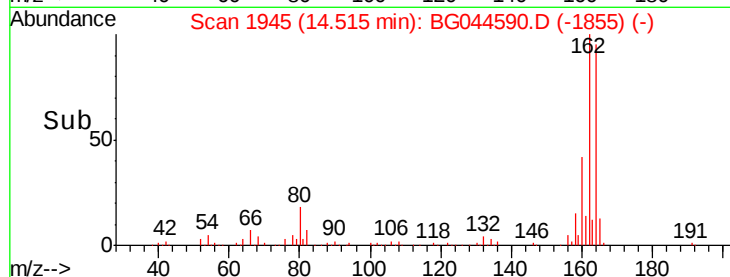
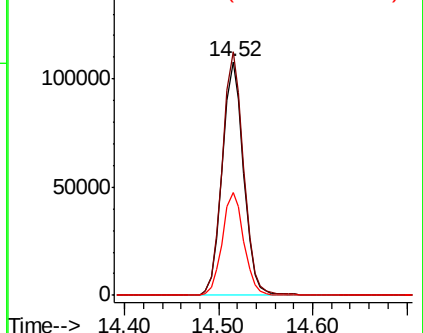
160 44.0 36.2 54.4



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: 129.291 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

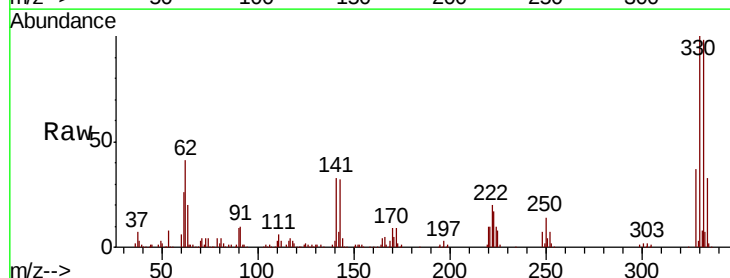
Tgt Ion:330 Resp: 313484

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

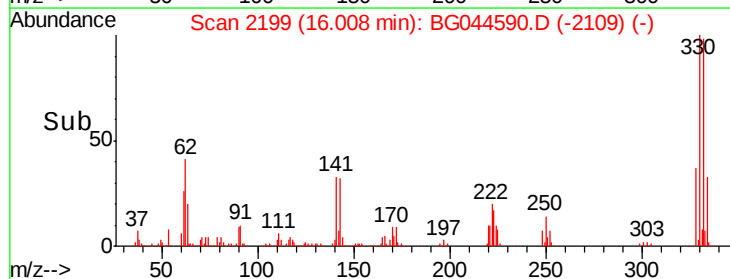
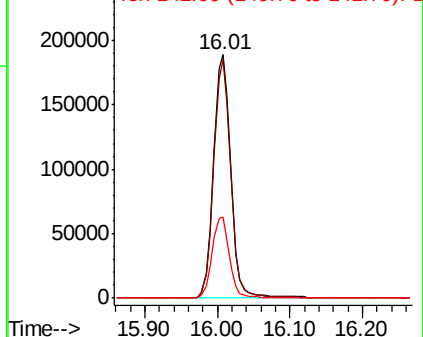
141 33.5 26.1 39.1

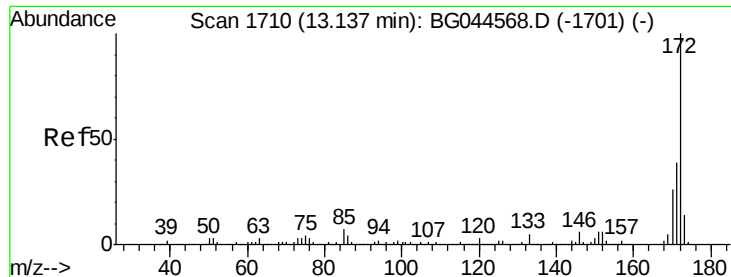


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

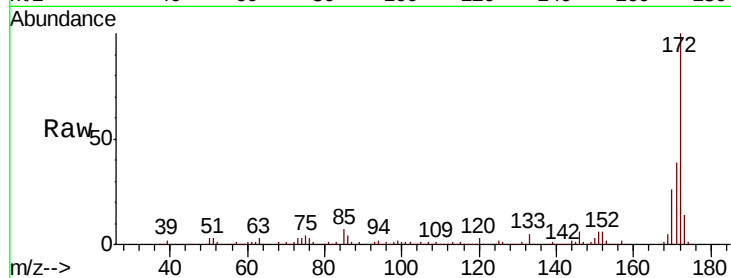




#45
 2-Fluorobiphenyl
 Concen: 79.323 ng
 RT: 13.13 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG044590.D
 Acq: 25 Feb 2020 23:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.3	46.9
170	25.8	21.0	31.4

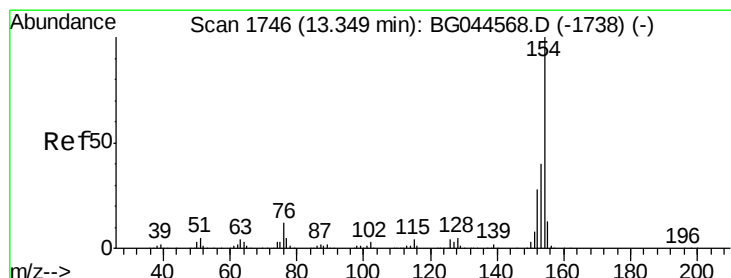
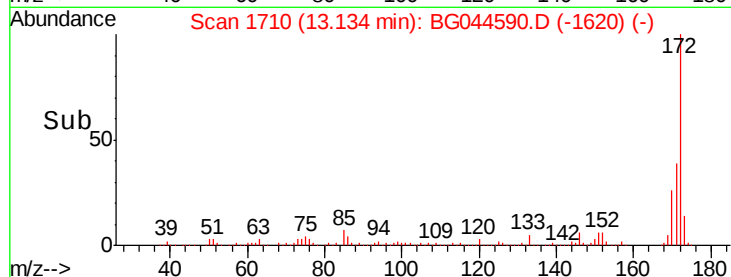
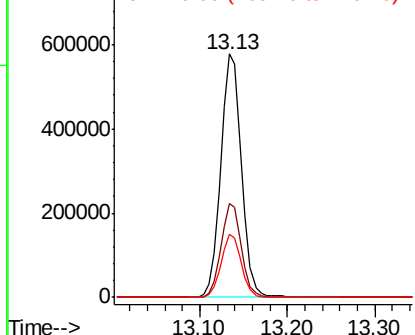


Abundance

Ion 172.00 (171.70 to 172.70): E

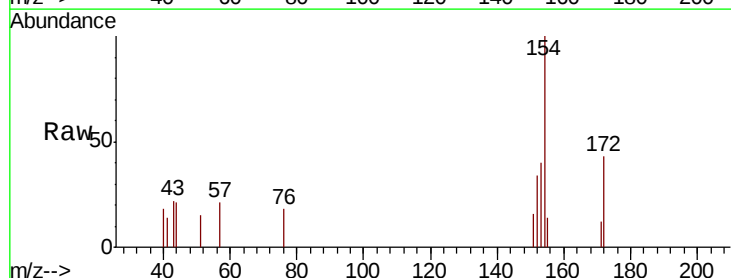
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
 1,1'-Biphenyl
 Concen: 0.159 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BG044590.D
 Acq: 25 Feb 2020 23:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.2	60.2
76	17.6	0.0	31.8

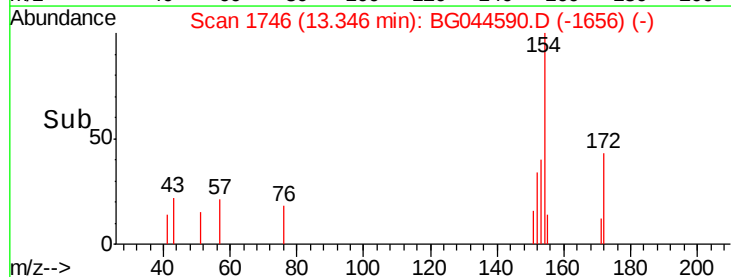
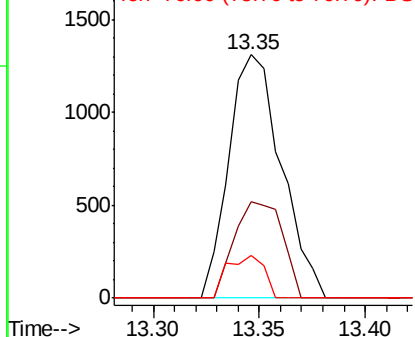


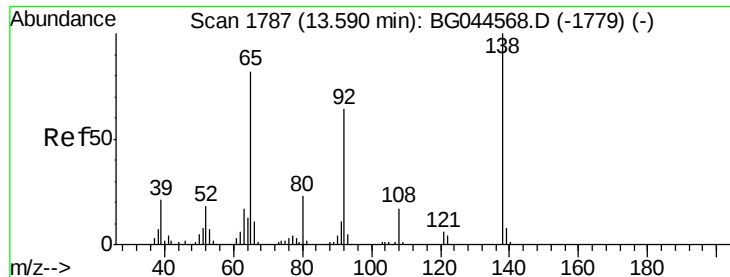
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

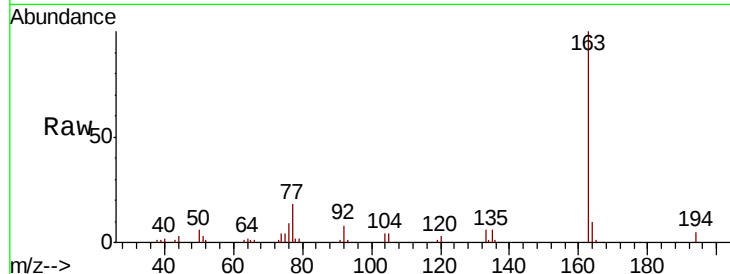




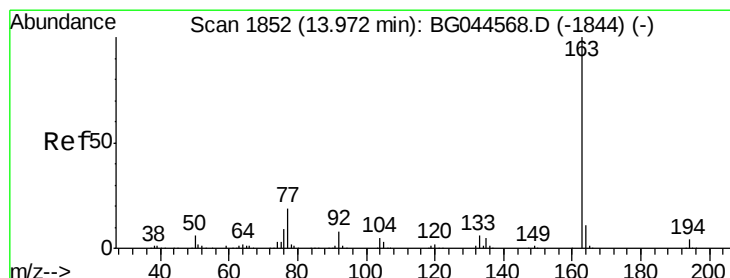
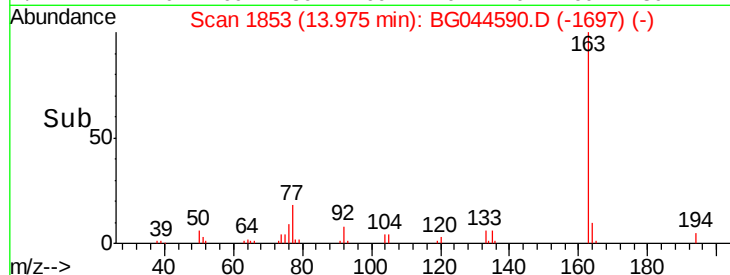
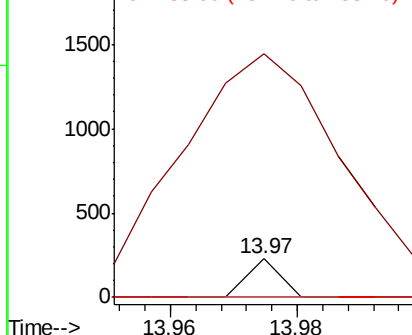
#48
2-Nitroaniline
Concen: 0.026 ng
RT: 13.97 min Scan# 1853
Delta R.T. 0.38 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 81
Ion Ratio Lower Upper
65 100
92 630.6 62.2 93.2#
138 0.0 97.6 146.4#

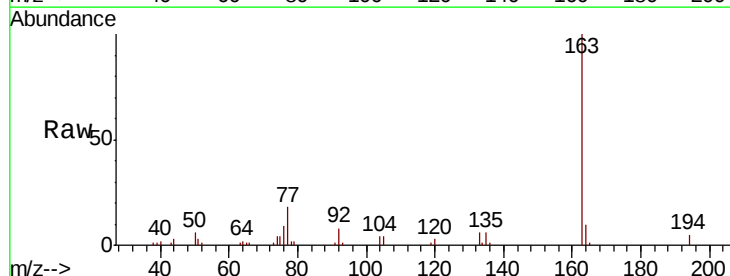


Abundance Ion 65.00 (64.70 to 65.70): BG044568.D (-1779) (-)
Ion 92.00 (91.70 to 92.70): BG044568.D (-1779) (-)
Ion 138.00 (137.70 to 138.70): BG044568.D (-1779) (-)

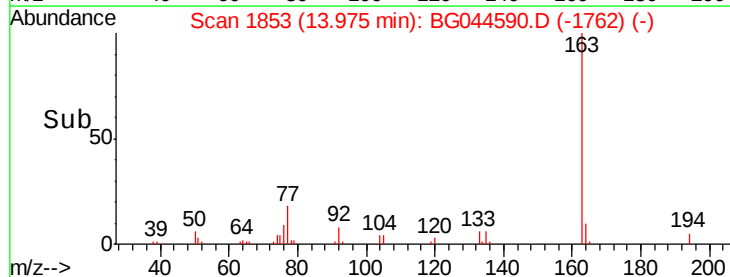
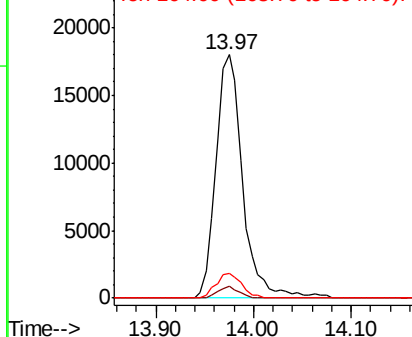


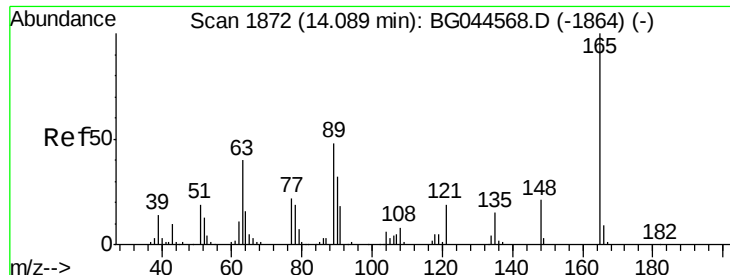
#50
Dimethylphthalate
Concen: 2.474 ng
RT: 13.97 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:163 Resp: 34146
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 9.9 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): BG044568.D (-1844) (-)
Ion 194.00 (193.70 to 194.70): BG044568.D (-1844) (-)
Ion 164.00 (163.70 to 164.70): BG044568.D (-1844) (-)

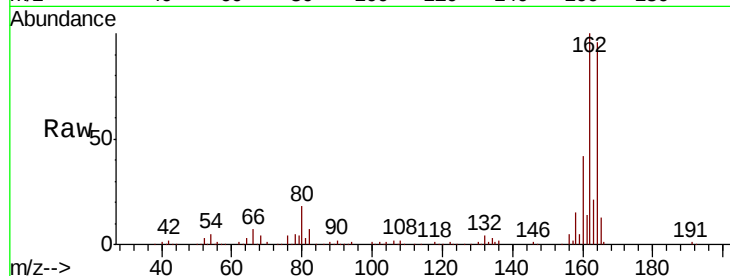




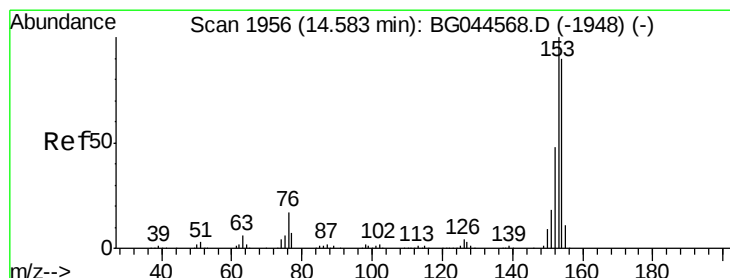
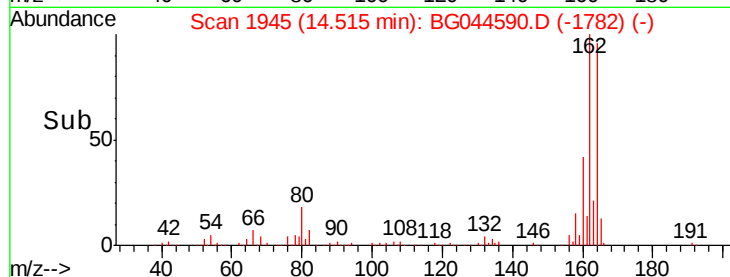
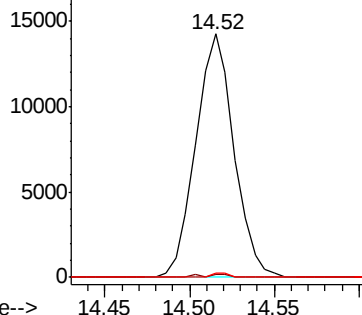
#51
2,6-Dinitrotoluene
Concen: 7.361 ng
RT: 14.52 min Scan# 1945
Delta R.T. 0.43 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	35.8	53.6#
89	1.5	38.7	58.1#

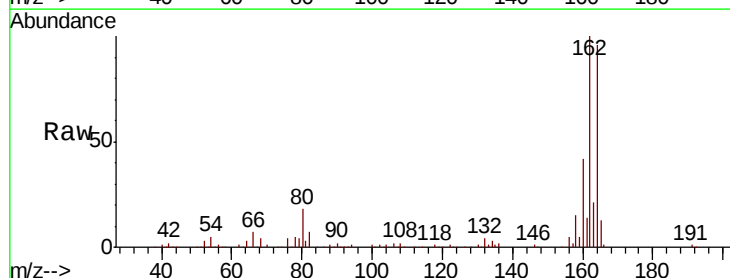


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

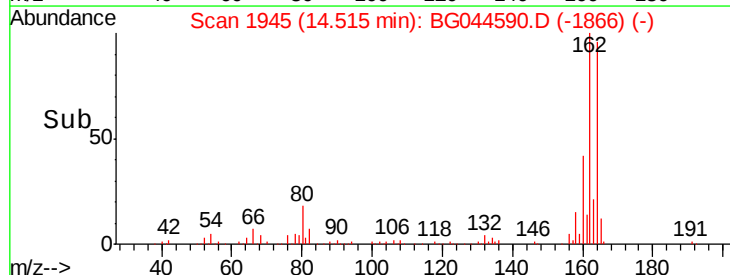
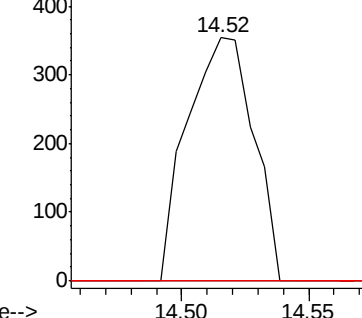


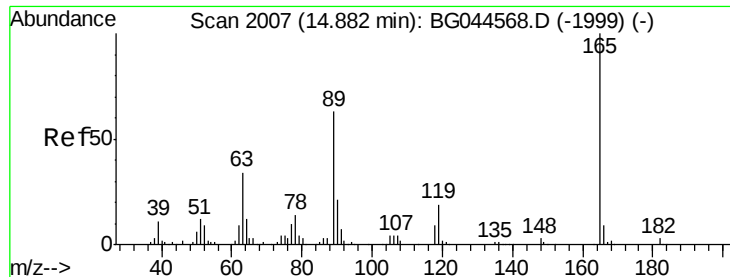
#52
Acenaphthene
Concen: 0.062 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.07 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	89.4	134.0#
152	0.0	43.0	64.4#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

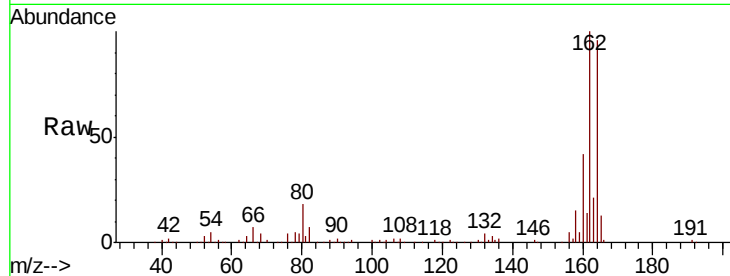




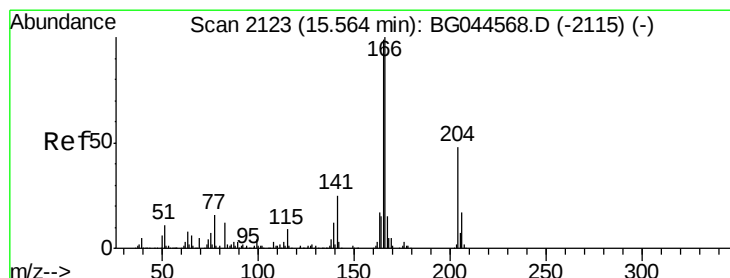
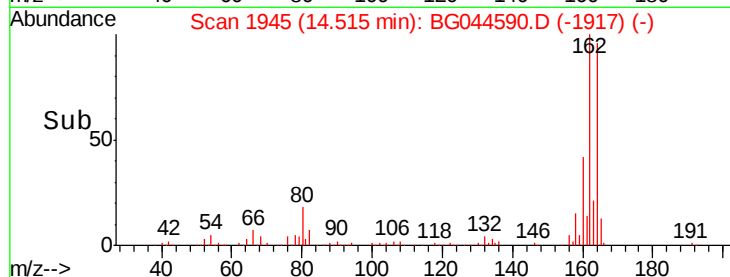
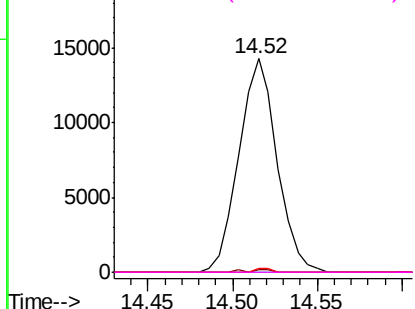
#57
2,4-Dinitrotoluene
Concen: 5.236 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.37 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.5	41.3#
89	1.5	50.0	75.0#
182	0.0	2.3	3.5#

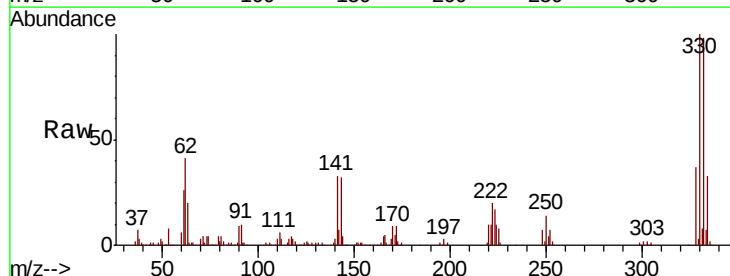


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

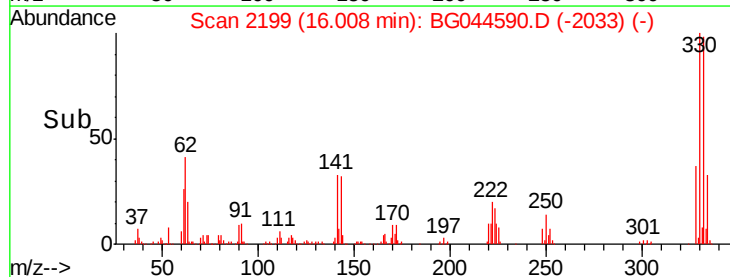
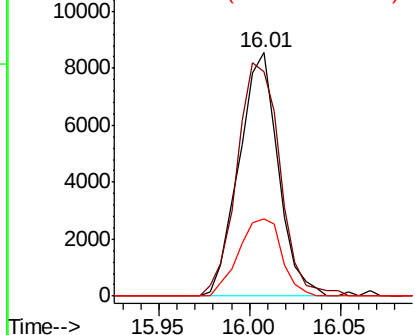


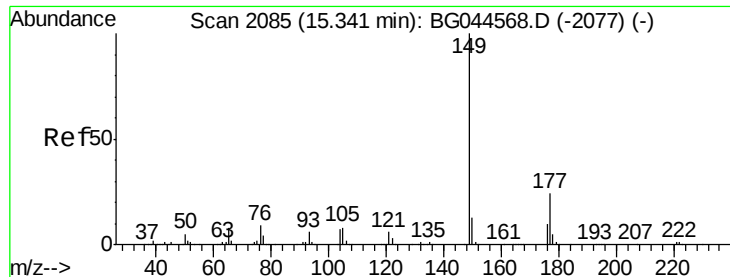
#58
Fluorene
Concen: 1.018 ng
RT: 16.01 min Scan# 2199
Delta R.T. 0.44 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.4	79.2	118.8
167	31.8	11.7	17.5#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.205 ng

RT: 15.34 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

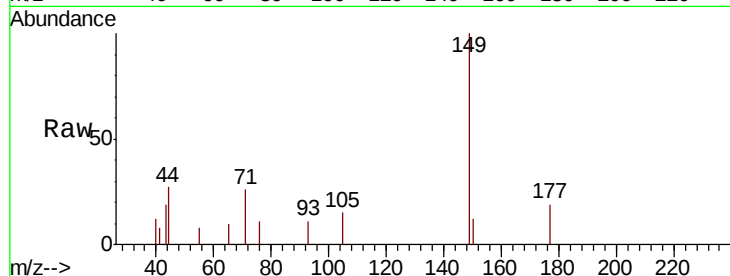
Tot Ion:149 Resp: 2808

Ion Ratio Lower Upper

149 100

177 18.5 19.2 28.8#

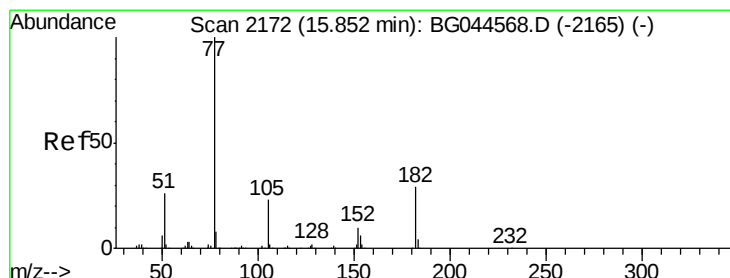
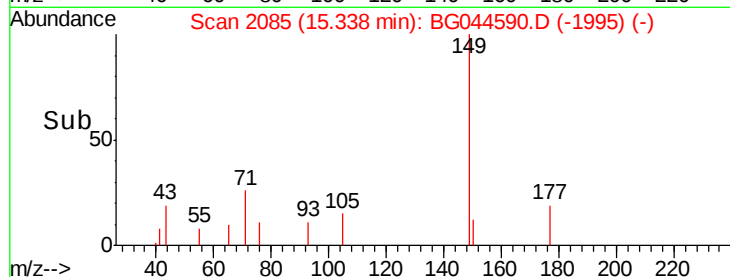
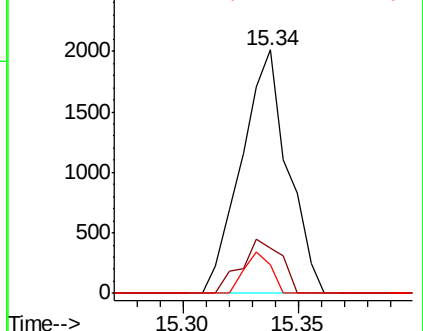
150 11.6 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.124 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.15 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Tgt Ion: 77 Resp: 1443

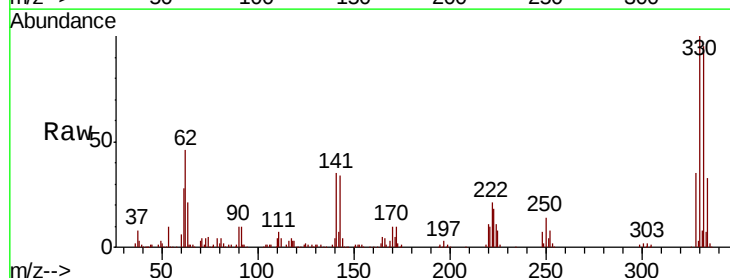
Ion Ratio Lower Upper

77 100

182 0.0 9.4 49.4#

105 86.9 3.4 43.4#

51 57.9 6.4 46.4#

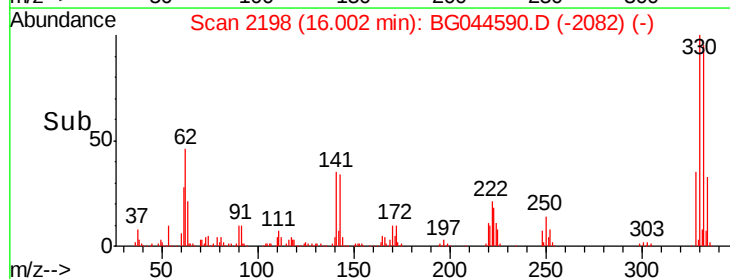
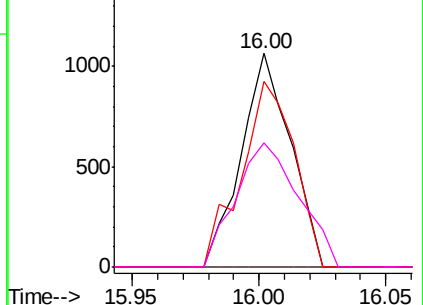


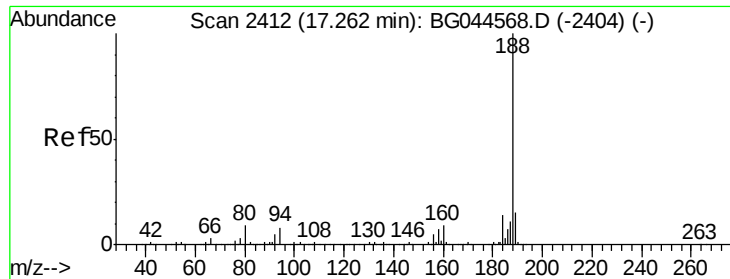
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

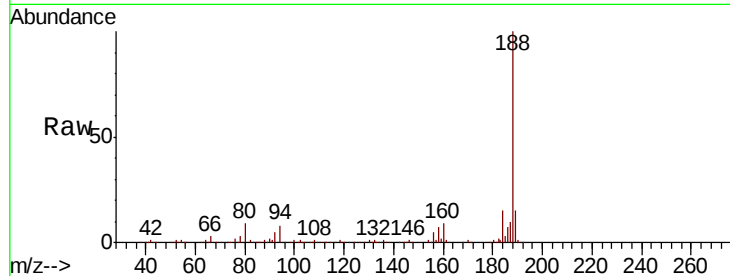
Tot Ion:188 Resp: 406835

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

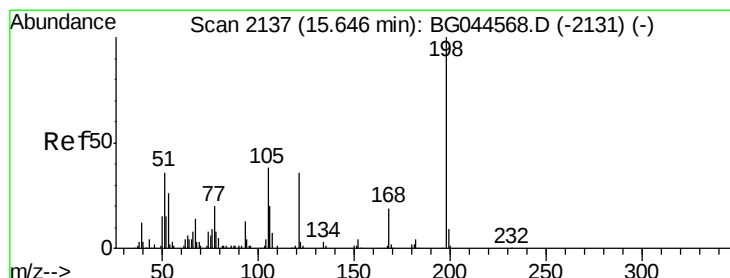
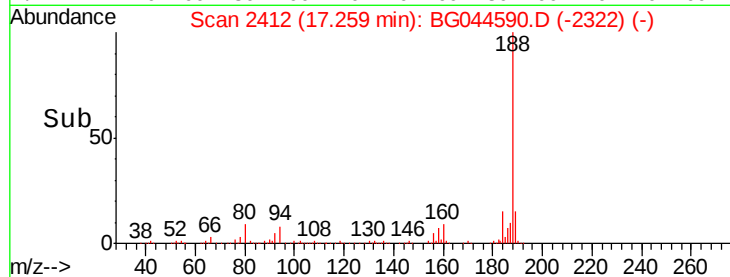
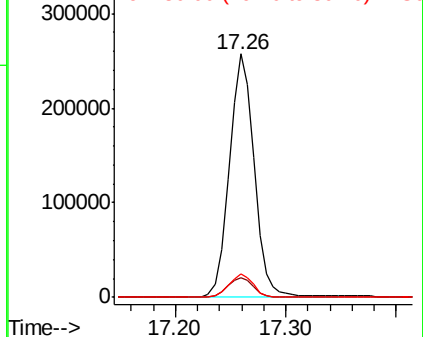
80 9.5 7.6 11.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 0.355 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.36 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

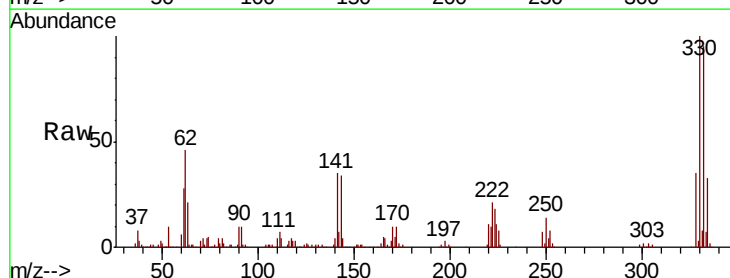
Tgt Ion:198 Resp: 894

Ion Ratio Lower Upper

198 100

51 85.0 17.0 57.0#

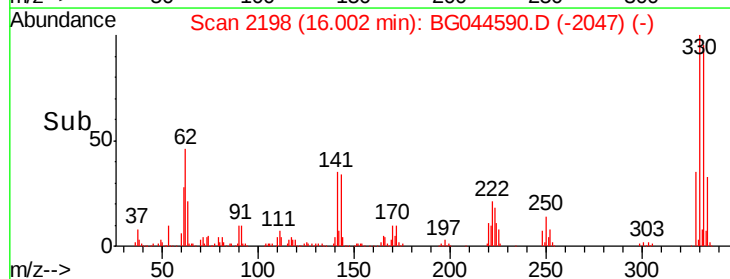
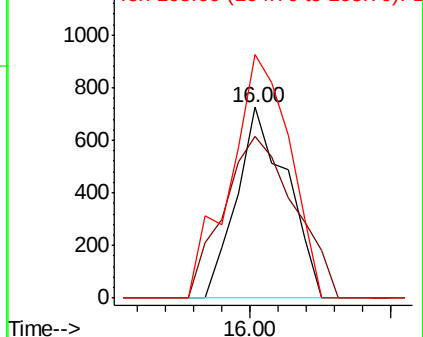
105 127.5 18.4 58.4#

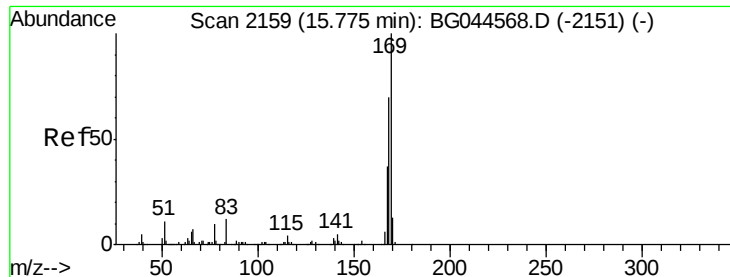


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

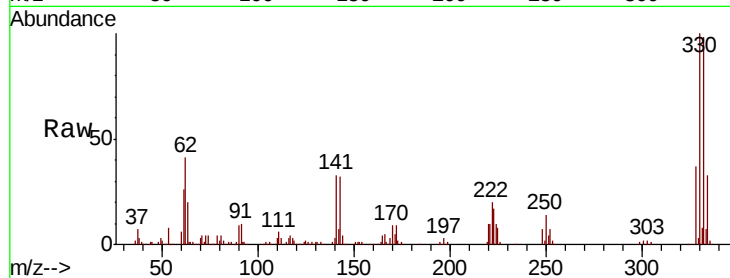




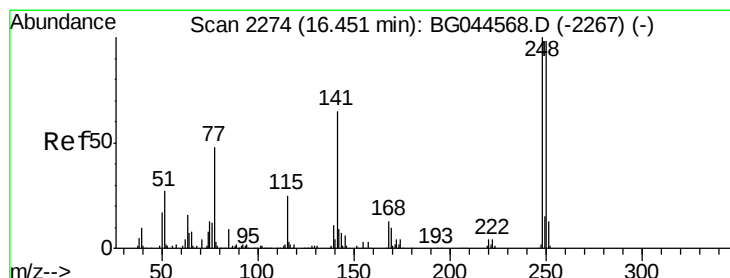
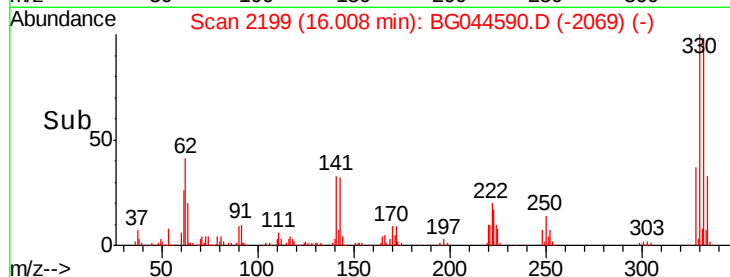
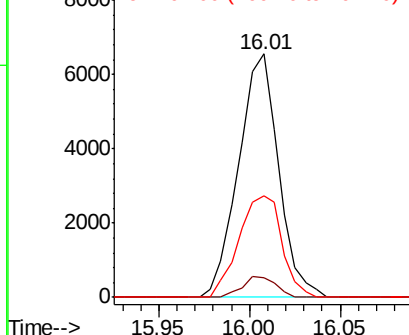
#66
n-Nitrosodiphenylamine
Concen: 0.797 ng
RT: 16.01 min Scan# 2199
Delta R.T. 0.23 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:169 Resp: 10108
Ion Ratio Lower Upper
169 100
168 8.0 56.1 84.1#
167 41.4 29.4 44.0

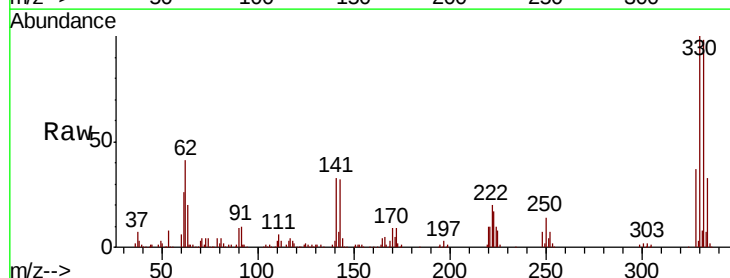


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

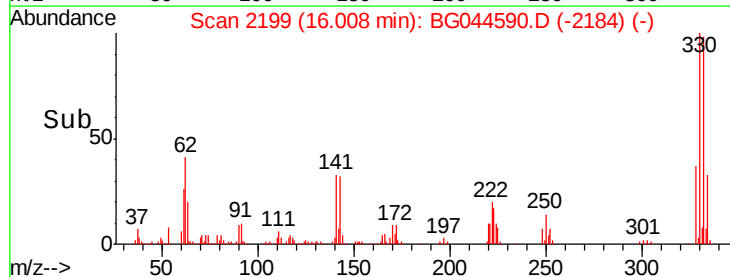
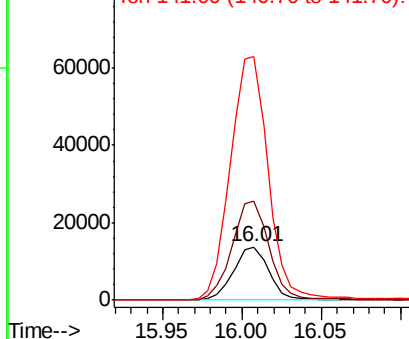


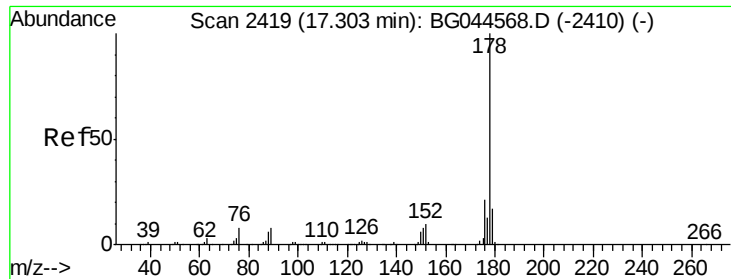
#67
4-Bromophenyl-phenylether
Concen: 4.241 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.44 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:248 Resp: 21417
Ion Ratio Lower Upper
248 100
250 185.4 78.7 118.1#
141 456.4 52.3 78.5#



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

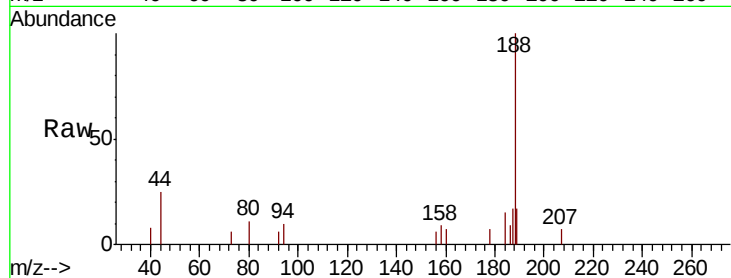




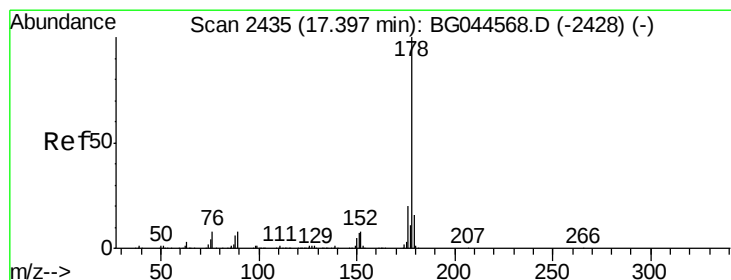
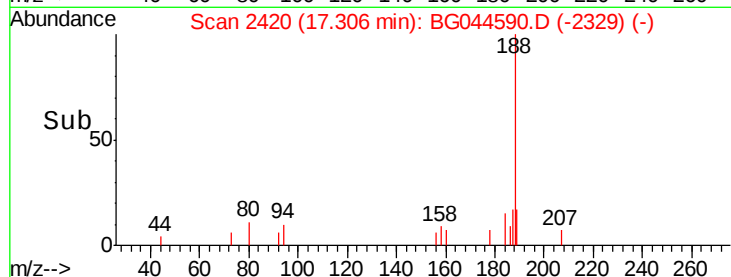
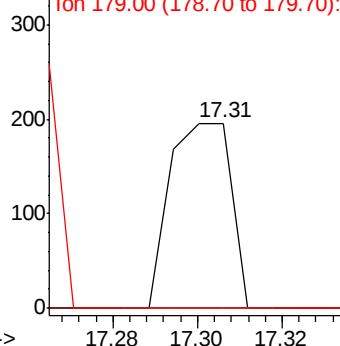
#71
Phenanthrene
Concen: 0.009 ng
RT: 17.31 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 197
Ion Ratio Lower Upper
178 100
176 0.0 16.6 25.0#
179 0.0 13.3 19.9#

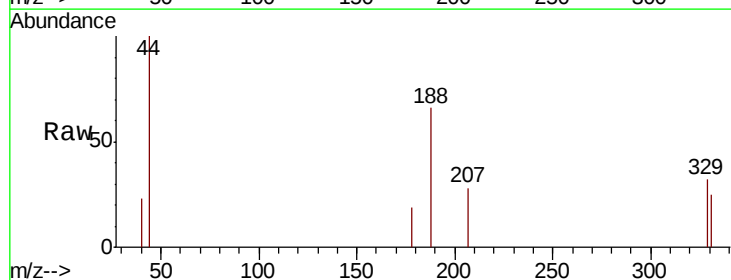


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

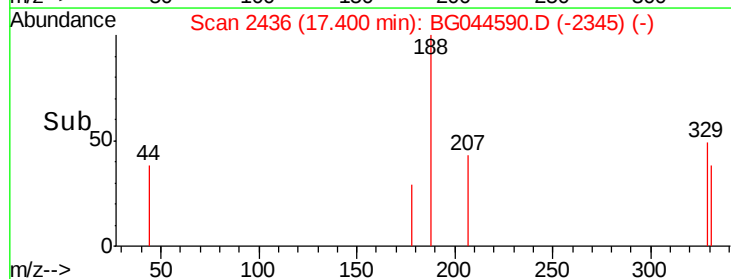
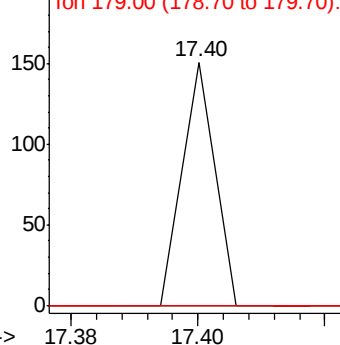


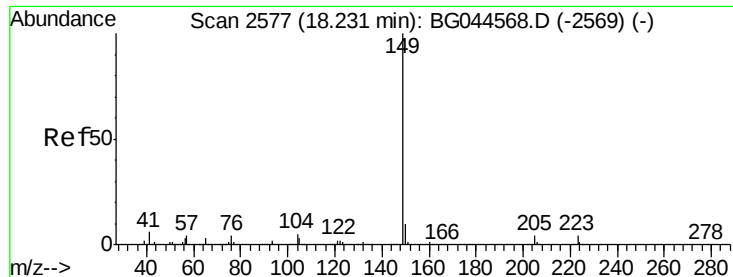
#72
Anthracene
Concen: 0.002 ng
RT: 17.40 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:178 Resp: 53
Ion Ratio Lower Upper
178 100
176 0.0 15.9 23.9#
179 0.0 13.1 19.7#



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

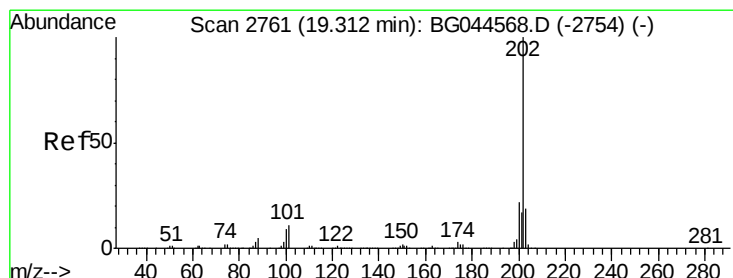
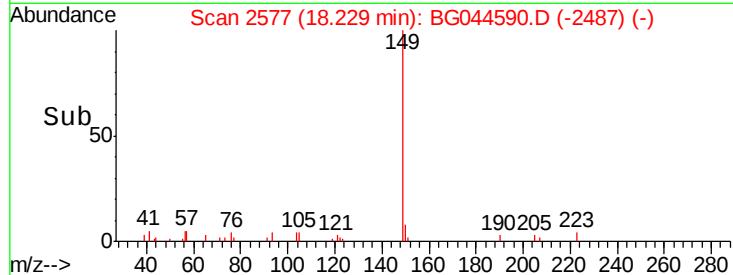
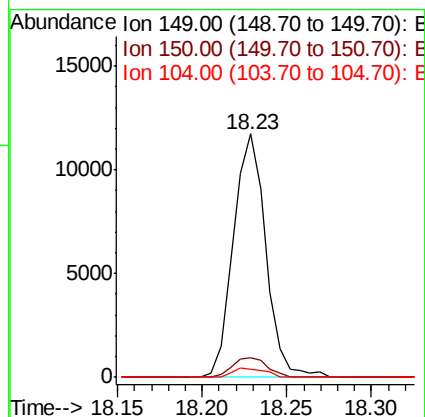
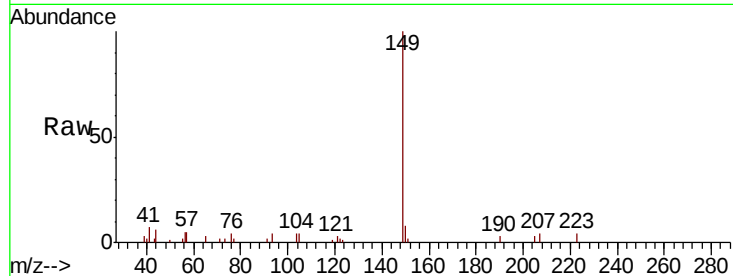




#74
Di-n-butylphthalate
Concen: 0.618 ng
RT: 18.23 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

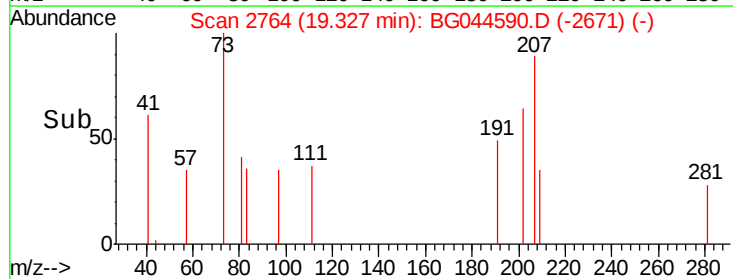
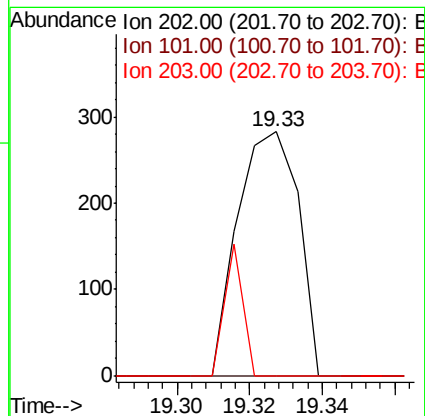
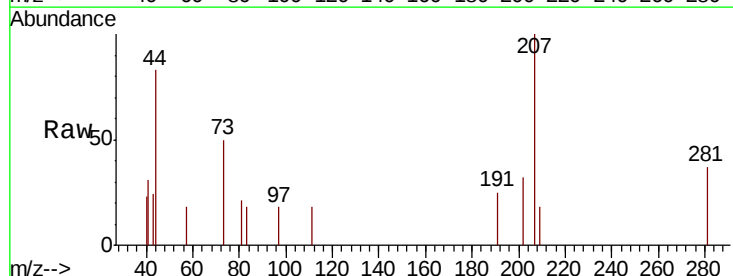
Instrument :
BNA_G
ClientSampleId :

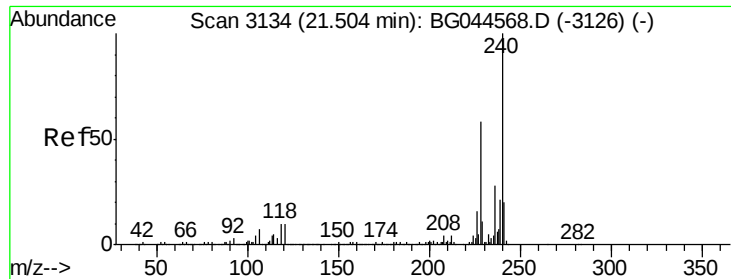
Tot Ion:149 Resp: 15639
Ion Ratio Lower Upper
149 100
150 8.2 7.8 11.8
104 3.5 4.0 6.0#



#75
Fluoranthene
Concen: 0.012 ng
RT: 19.33 min Scan# 2764
Delta R.T. 0.01 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:202 Resp: 328
Ion Ratio Lower Upper
202 100
101 0.0 0.0 31.0
203 0.0 0.0 39.2

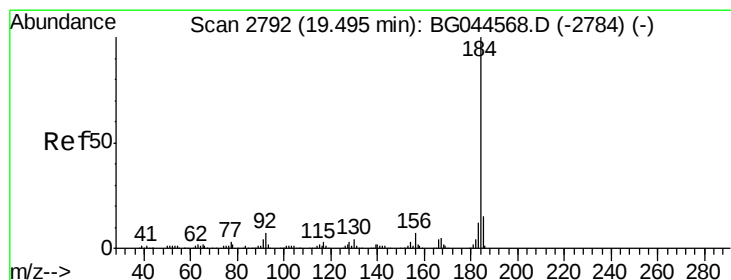
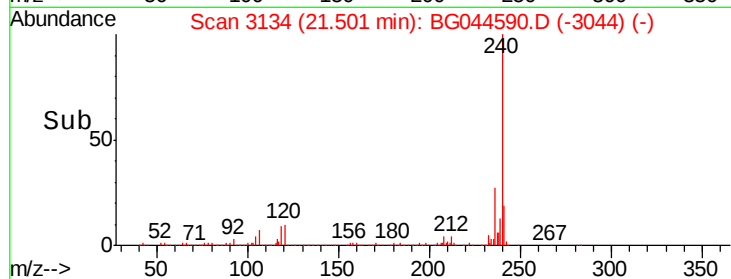
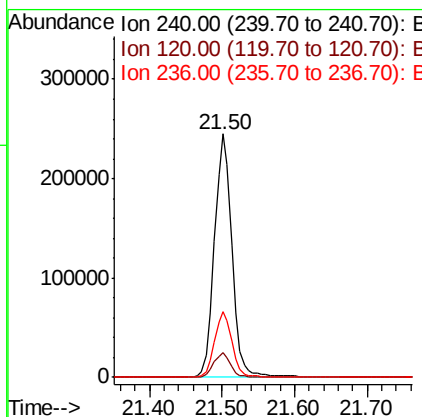
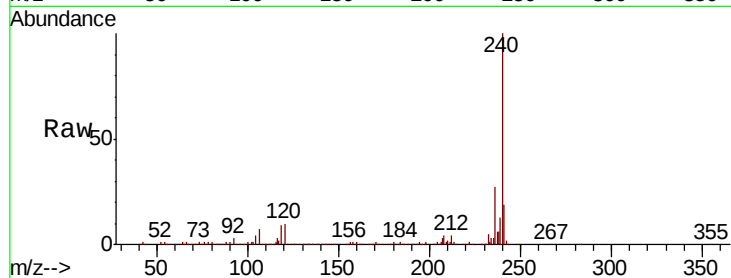




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

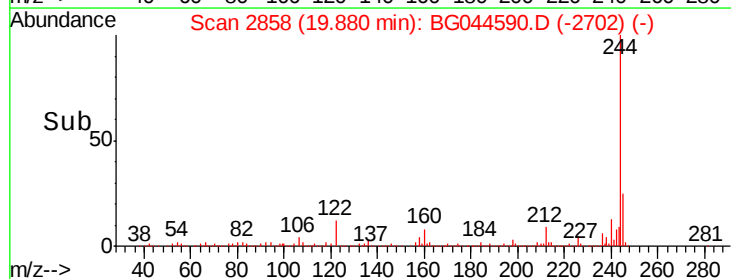
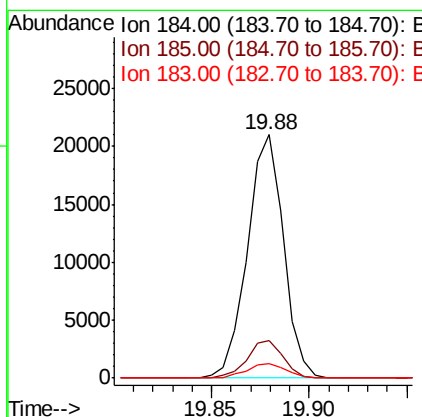
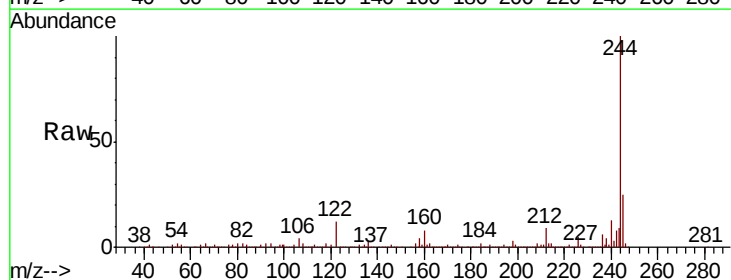
Instrument :
BNA_G
ClientSampleId :

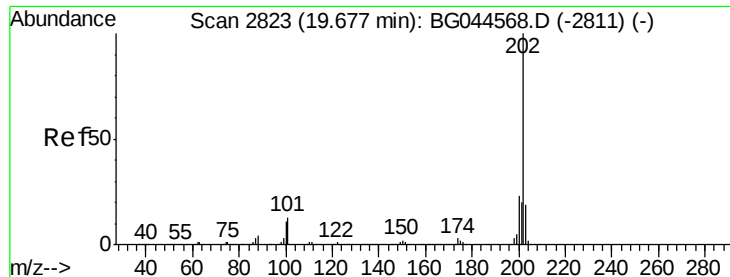
Tot Ion:240 Resp: 412408
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 26.8 22.3 33.5



#77
Benzidine
Concen: 1.895 ng
RT: 19.88 min Scan# 2858
Delta R.T. 0.38 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:184 Resp: 26765
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 5.9 9.9 14.9#





#78

Pvrene

Concen: 0.014 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampled :

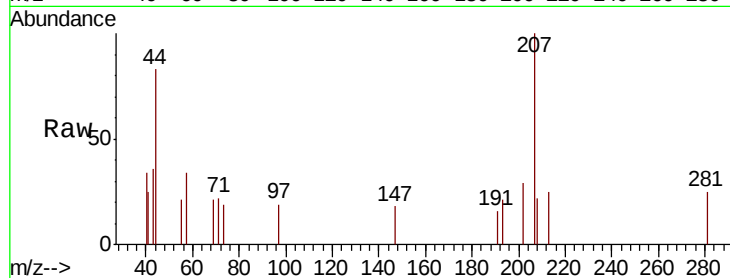
Tot Ion:202 Resp: 413

Ion Ratio Lower Upper

202 100

200 0.0 18.6 28.0#

203 0.0 15.3 22.9#



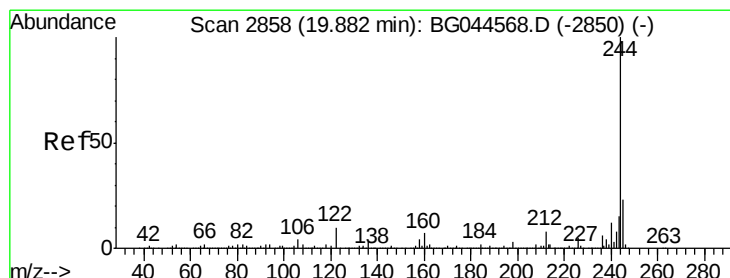
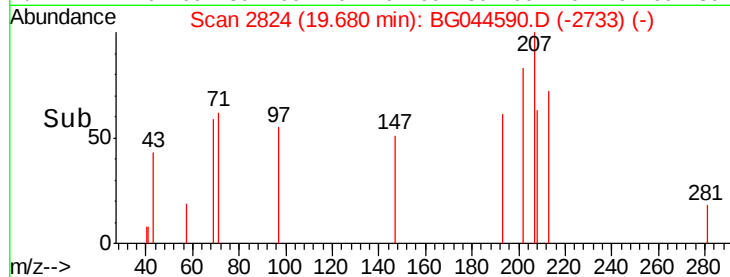
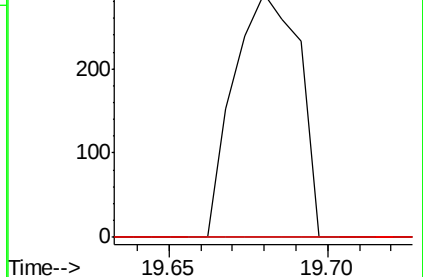
Abundance

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

19.68



#79

Terphenyl-d14

Concen: 78.475 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

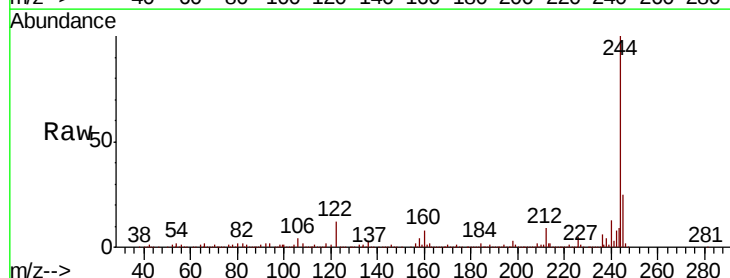
Tgt Ion:244 Resp: 1709583

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

122 11.6 8.2 12.4



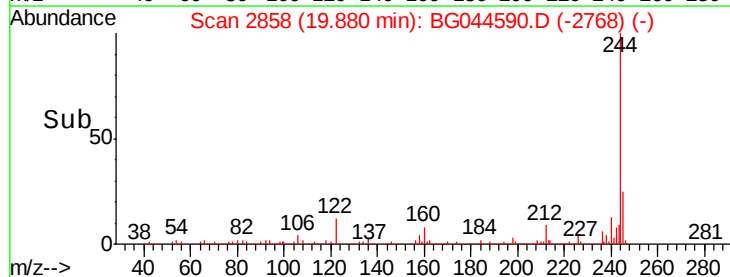
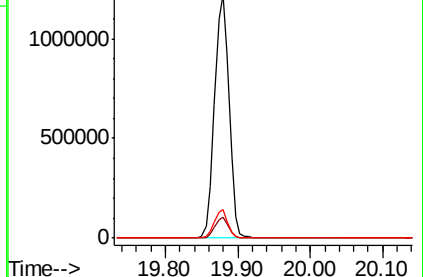
Abundance

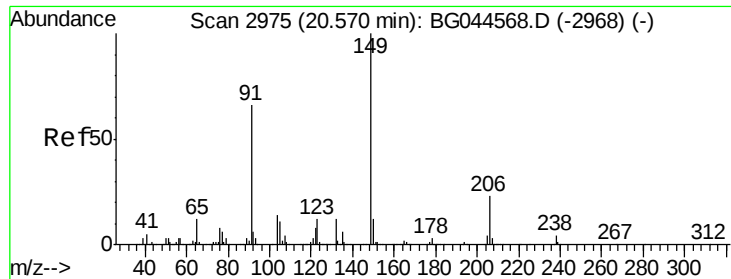
Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.88

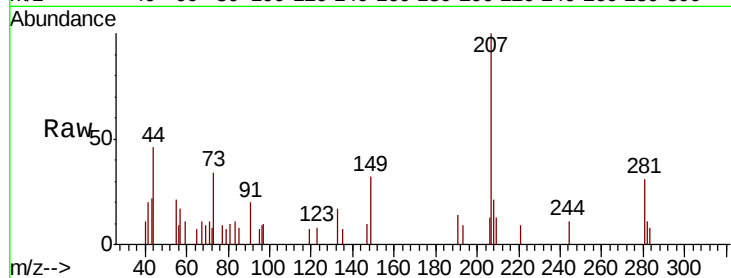




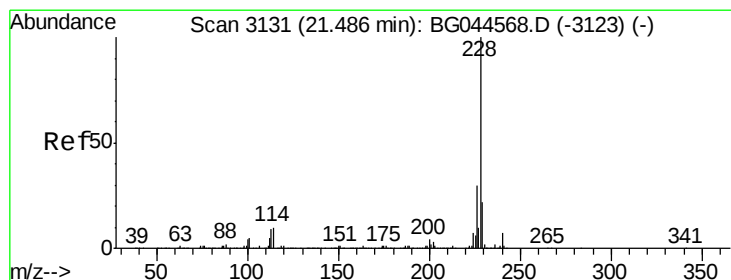
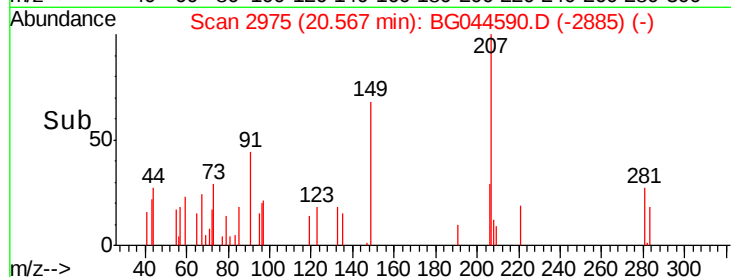
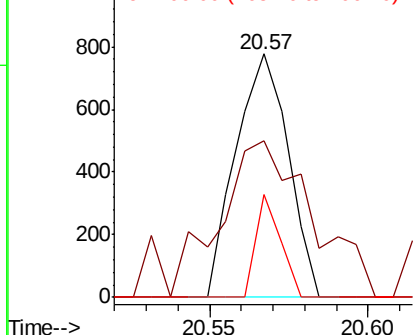
#80
Butylbenzylphthalate
Concen: 0.068 ng
RT: 20.57 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 890
Ion Ratio Lower Upper
149 100
91 64.4 52.7 79.1
206 42.3 18.6 28.0#

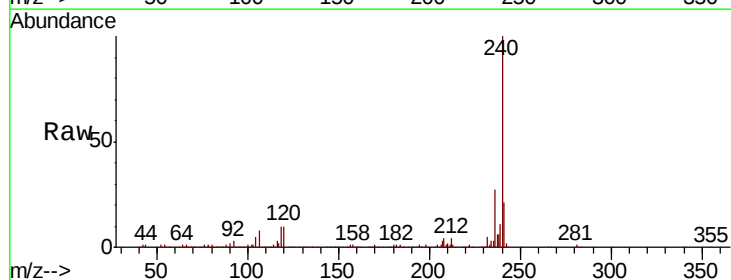


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

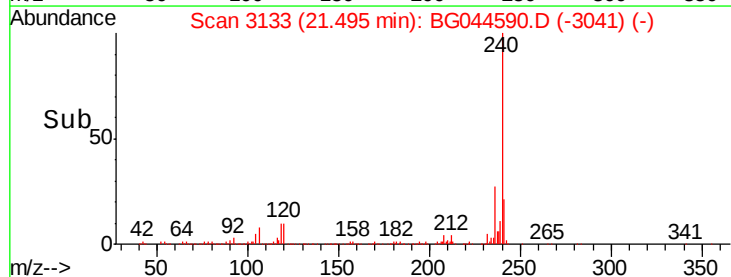
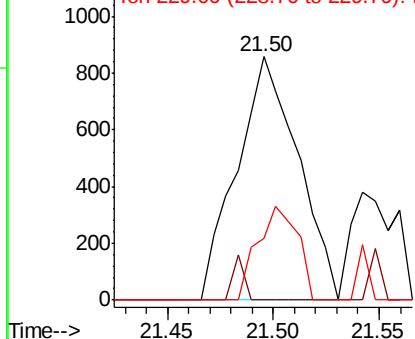


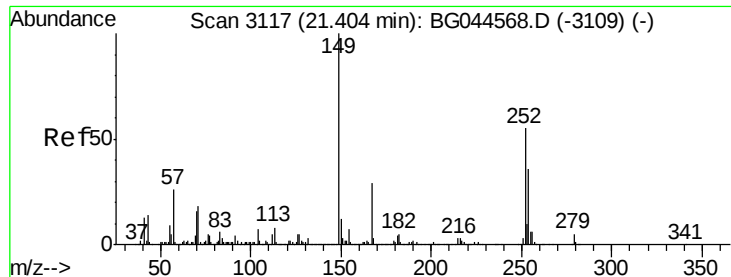
#81
Benzo(a)anthracene
Concen: 0.060 ng
RT: 21.50 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:228 Resp: 1728
Ion Ratio Lower Upper
228 100
226 0.0 23.8 35.8#
229 25.2 17.2 25.8



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





#82

3,3'-Dichlorobenzidine

Concen: 0.005 ng

RT: 21.05 min Scan# 3057

Delta R.T. -0.36 min

Lab File: BG044590.D

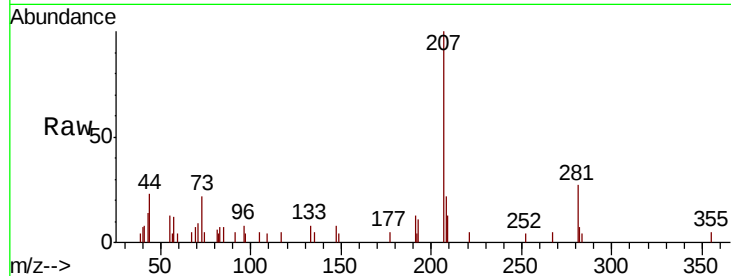
Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.5	77.3#
126	0.0	7.8	11.6#

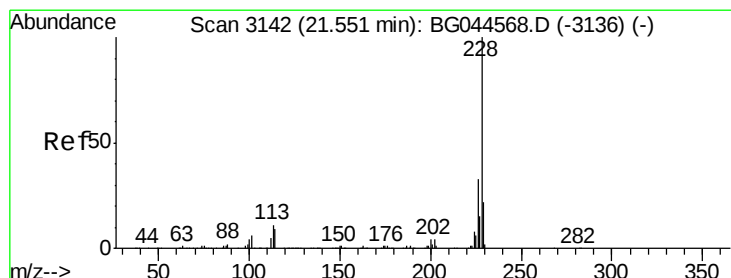
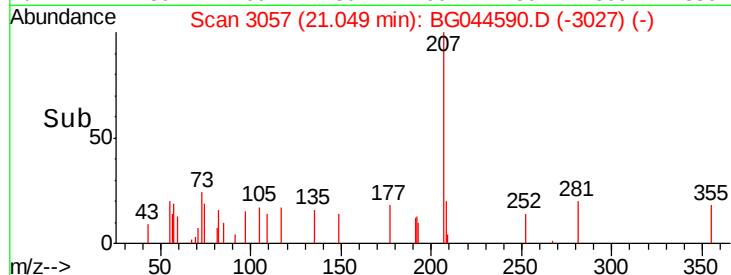
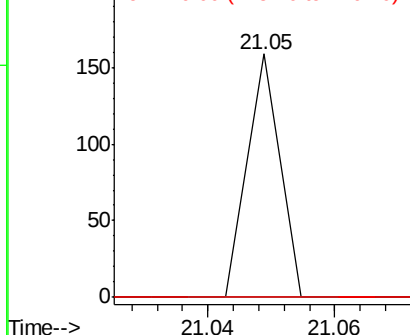


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.020 ng

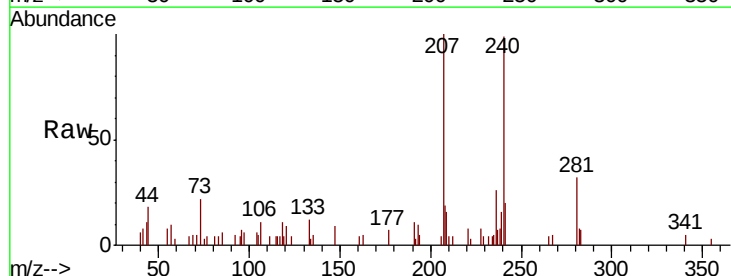
RT: 21.54 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	26.1	39.1#
229	51.2	17.2	25.8#

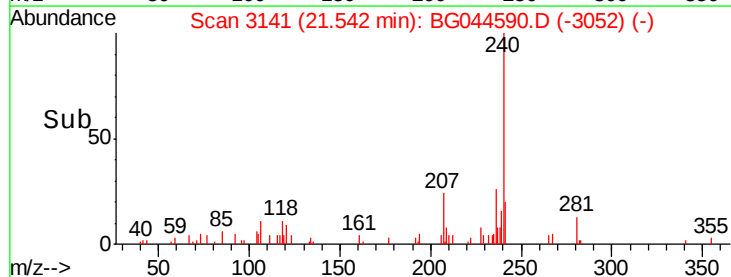
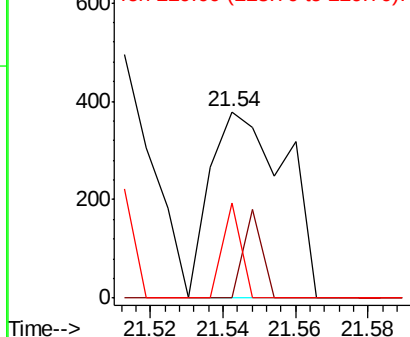


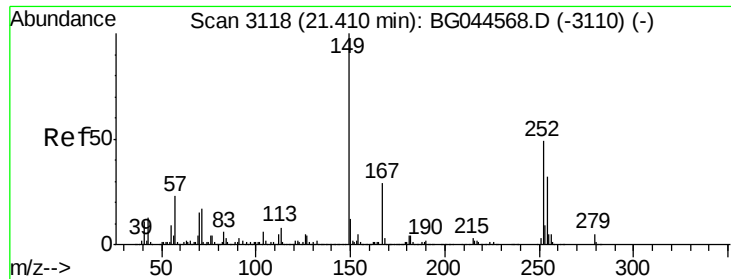
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.212 ng

RT: 21.41 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

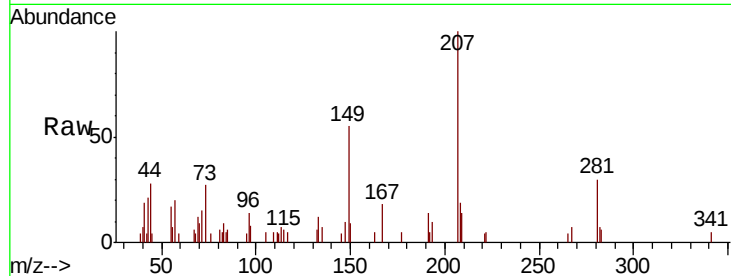
Tot Ion:149 Resp: 3819

Ion Ratio Lower Upper

149 100

167 32.3 23.4 35.0

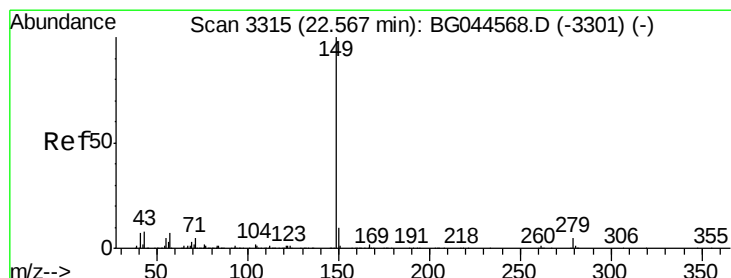
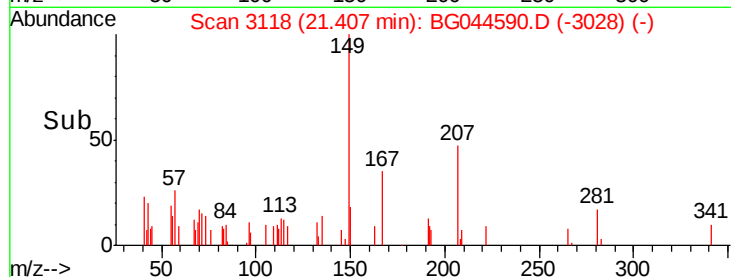
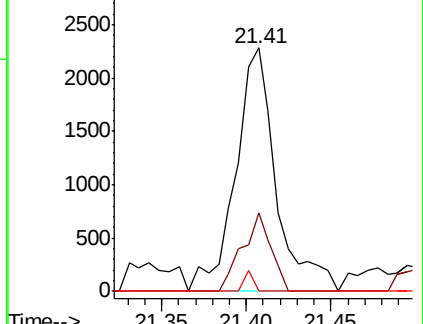
279 0.0 4.2 6.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.042 ng

RT: 22.56 min Scan# 3315

Delta R.T. -0.00 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

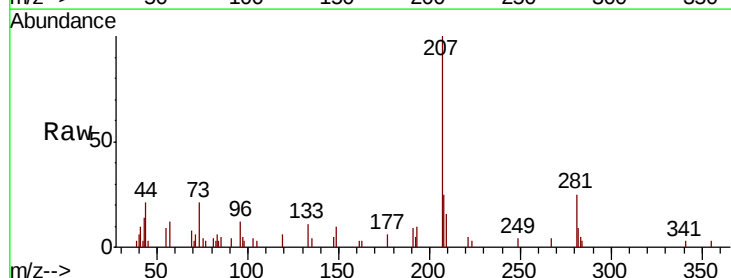
Tgt Ion:149 Resp: 1343

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

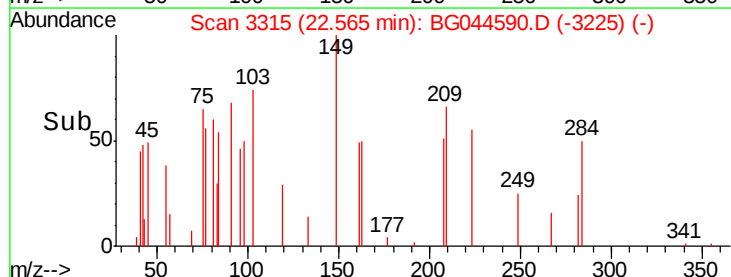
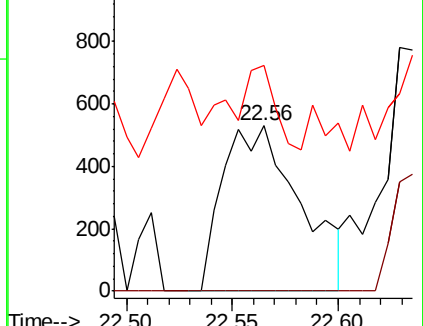
43 0.0 6.6 10.0#

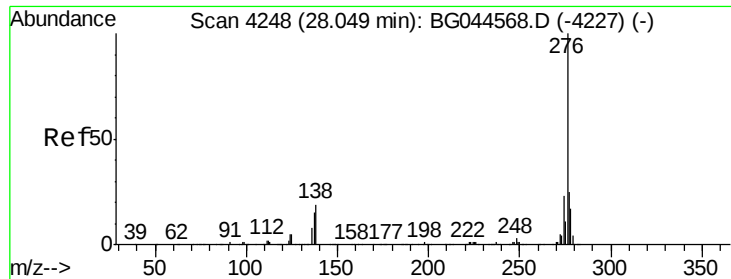


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG0

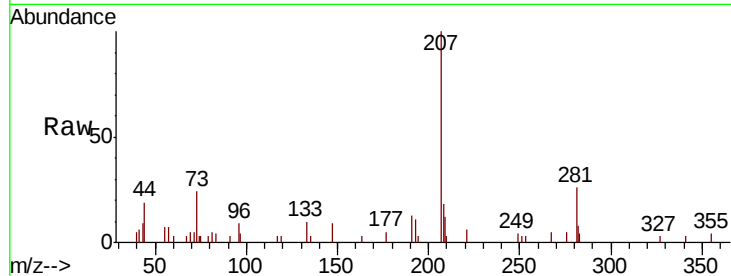




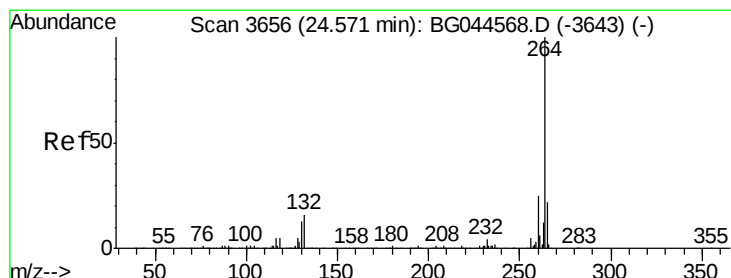
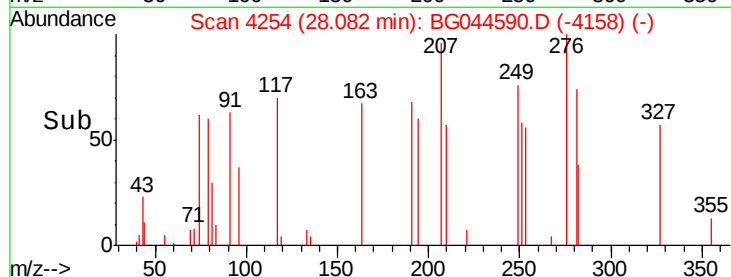
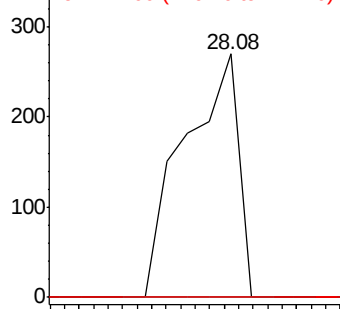
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.008 ng
RT: 28.08 min Scan# 4254
Delta R.T. 0.03 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:276 Resp: 281
Ion Ratio Lower Upper
276 100
138 0.0 18.2 27.4#
277 0.0 20.7 31.1#

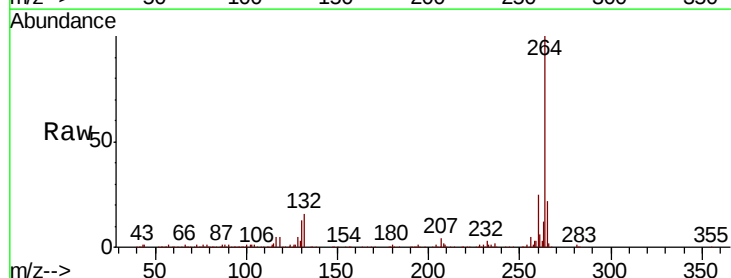


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

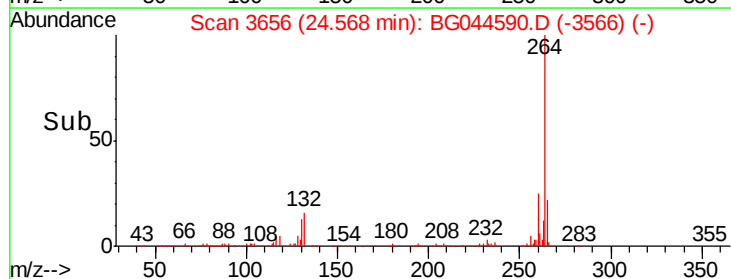
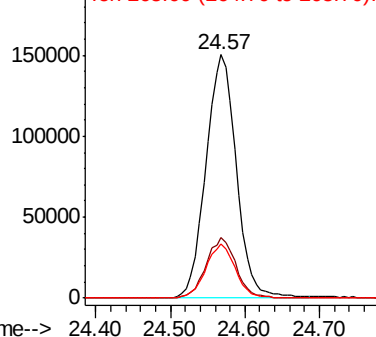


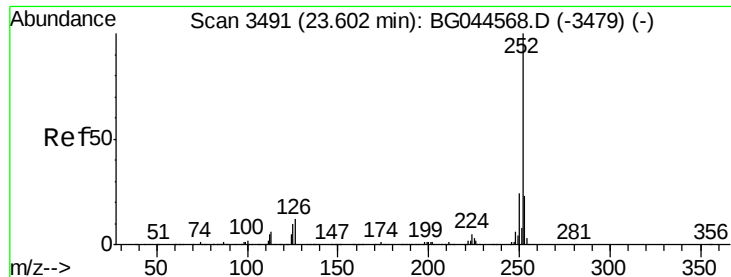
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.57 min Scan# 3656
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Tgt Ion:264 Resp: 425584
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.3 17.8 26.8



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

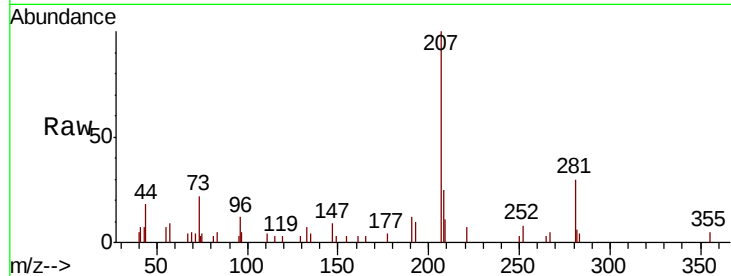




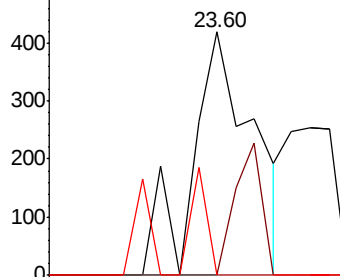
#88
Benzo(b)fluoranthene
Concen: 0.020 ng
RT: 23.60 min Scan# 3491
Delta R.T. -0.00 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

Instrument :
BNA_G
ClientSampleId :

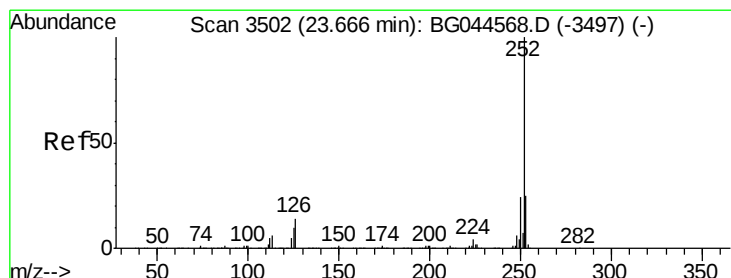
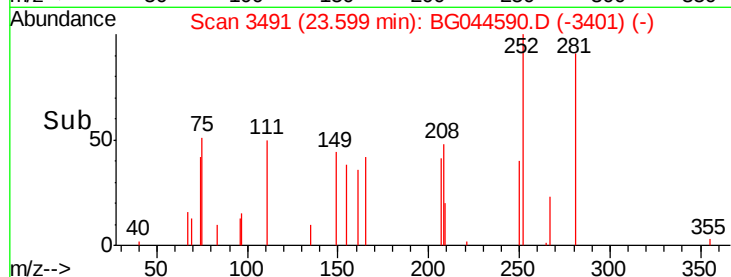
Tot Ion:252 Resp: 560
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 0.0 7.9 11.9#



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

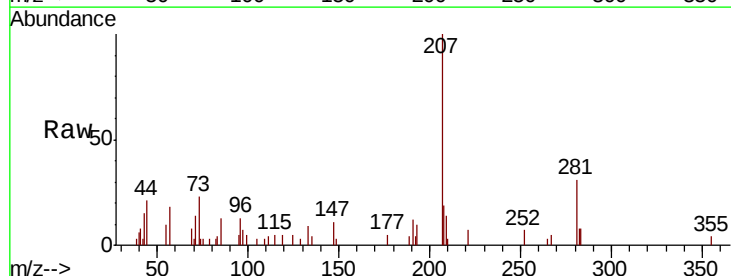


Time--> 23.55 23.60

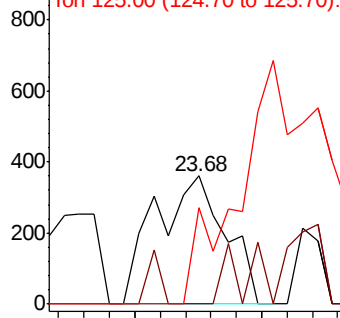


#89
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.68 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BG044590.D
Acq: 25 Feb 2020 23:53

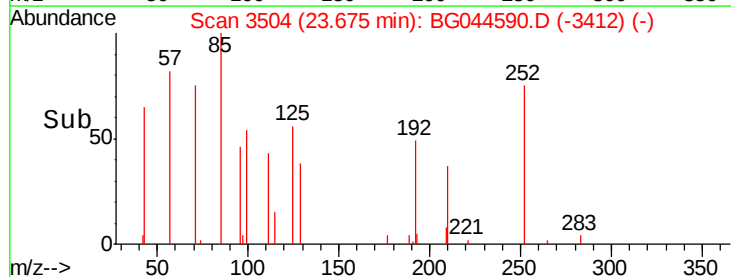
Tgt Ion:252 Resp: 696
Ion Ratio Lower Upper
252 100
253 0.0 19.0 28.6#
125 75.3 7.8 11.8#

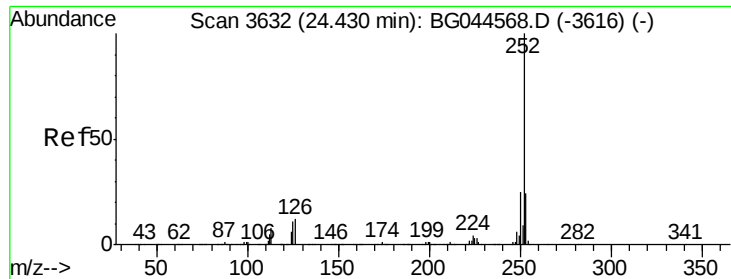


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 23.65 23.70





#90

Benzo(a)pyrene

Concen: 0.011 ng

RT: 24.41 min Scan# 3629

Delta R.T. -0.02 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

Instrument :

BNA_G

ClientSampleId :

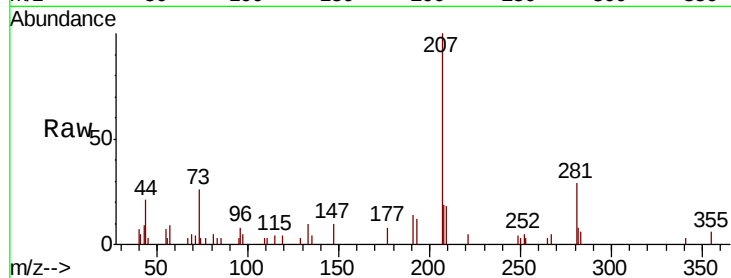
Tot Ion:252 Resp: 296

Ion Ratio Lower Upper

252 100

253 64.9 19.0 28.4#

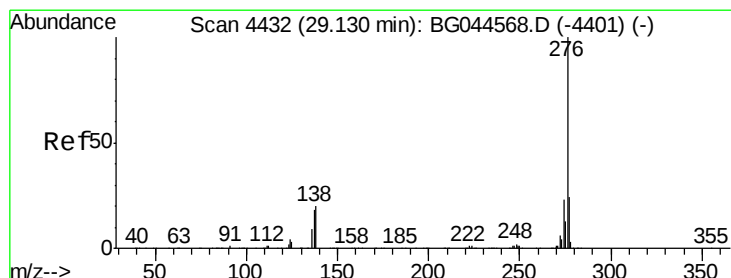
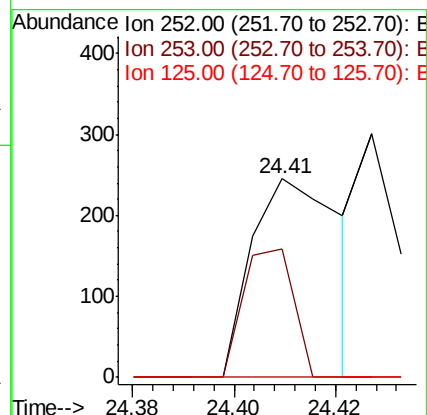
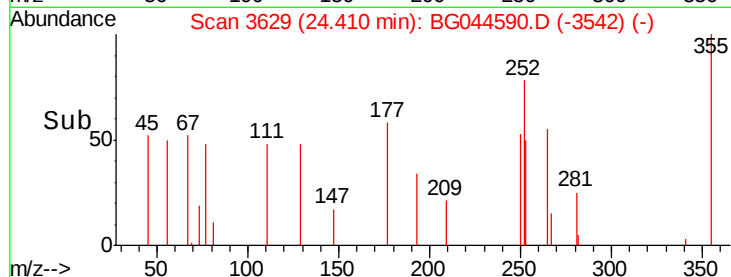
125 0.0 8.5 12.7#



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: 0.002 ng

RT: 29.14 min Scan# 4434

Delta R.T. 0.01 min

Lab File: BG044590.D

Acq: 25 Feb 2020 23:53

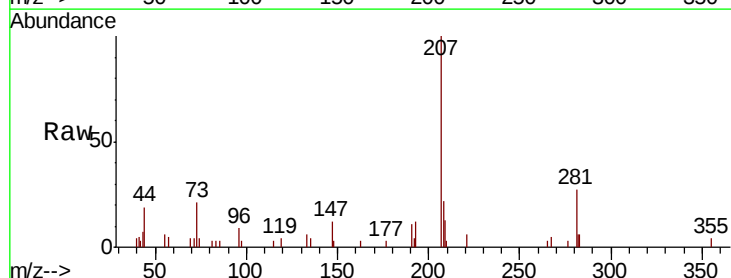
Tgt Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

277 0.0 19.5 29.3#

138 0.0 16.1 24.1#



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

