

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100220\
 Data File : BG046751.D
 Acq On : 3 Oct 2020 1:05
 Operator : CG/JU
 Sample : L4151-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB7L0

Quant Time: Oct 03 04:00:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 03 03:57:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-8.11
18) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.92
36) Acenaphthene-d10	14.73	164	658	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.58	188	495456	20.00	ng/ul	0.10
78) Chrysene-d12	21.88	240	134	20.00	ng/ul	0.12
86) Perylene-d12	25.15	264	350	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	6352	0.00	ng/uL	0.00
5) Phenol-d5	7.25	99	119500	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	79257	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	91516	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	98951	0.00	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	49175	0.00	ng/ul	0.00
22) 2-Nitrophenol-d4	10.00	143	53806	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	102271	0.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	108921	0.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	349040	6942.47	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	391386	6555.85	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	59799	6976.39	ng/ul	0.00
58) Fluorene-d10	15.72	176	305580	6592.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	53595	21.65	ng/ul	0.00
71) Anthracene-d10	17.58	188	495456	21.80	ng/ul	0.00
79) Pyrene-d10	19.86	212	613726	88266.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	623705	33062.11	ng/ul	0.00

Target Compounds

					Ovalue
37) 1,2,4,5-Tetrachlorobenzene	12.76	216	133	5.521	ng/ul# 26
41) 1,1'-Biphenyl	13.56	154	918	18.137	ng/ul# 75
43) 2-Nitroaniline	13.63	65	843	78.502	ng/ul# 7
45) Dimethylphthalate	14.18	163	44704	878.532	ng/ul 100
46) 2,6-Dinitrotoluene	14.18	165	474	52.639	ng/ul# 28
48) Acenaphthylene	14.46	152	1511	25.689	ng/ul# 68
50) Acenaphthene	14.79	153	393	9.389	ng/ul# 51
53) 4-Nitrophenol	14.78	109	90	10.598	ng/ul# 1
54) Dibenzofuran	15.13	168	2152	34.991	ng/ul# 53
57) Diethylphthalate	15.54	149	2129	41.872	ng/ul# 86
59) Fluorene	15.77	166	635	12.715	ng/ul# 88
80) Pyrene	20.01	202	301	34.947	ng/ul# 77
81) Butylbenzylphthalate	20.89	149	296	98.607	ng/ul# 57
82) 3,3'-Dichlorobenzidine	21.77	252	59	18.827	ng/ul# 1
83) Benzo(a)anthracene	21.79	228	28300	3227.736	ng/ul 92
84) Bis(2-ethylhexyl)phthalate	21.78	149	306	68.551	ng/ul# 52
85) Chrysene	21.95	228	1902	223.629	ng/ul# 51
87) Di-n-octyl phthalate	23.00	149	146	7.638	ng/ul 100
88) Benzo(b)fluoranthene	24.12	252	395	17.107	ng/ul# 1
89) Benzo(k)fluoranthene	24.17	252	150	6.665	ng/ul# 1
91) Benzo(a)pyrene	24.97	252	159	7.539	ng/ul# 1
92) Indeno(1,2,3-cd)pyrene	28.94	276	53	2.048	ng/ul# 1
93) Dibenz(a,h)anthracene	28.97	278	412	19.217	ng/ul# 60

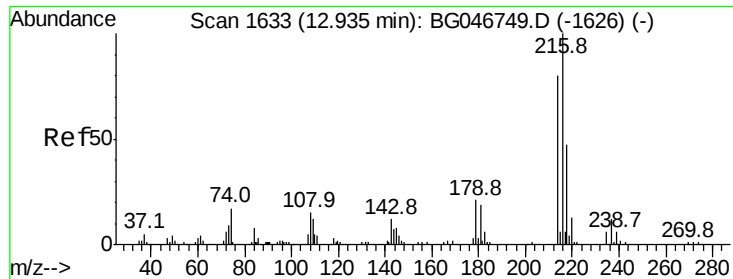
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100220\
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 03 03:57:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	29.90	276	3045	140.458	ng/ul	98

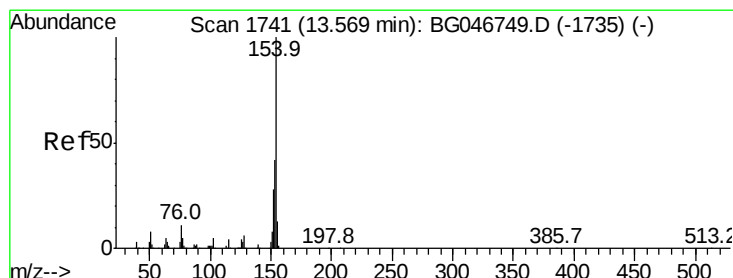
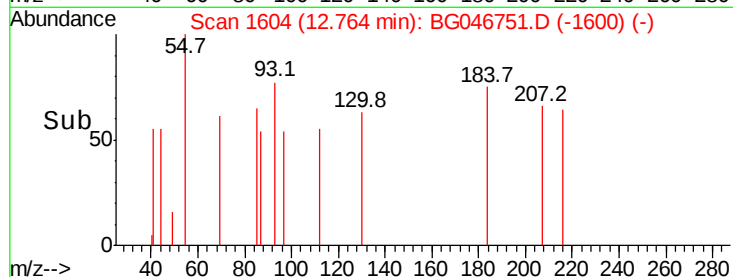
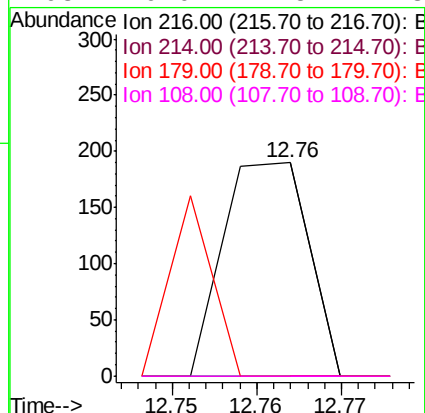
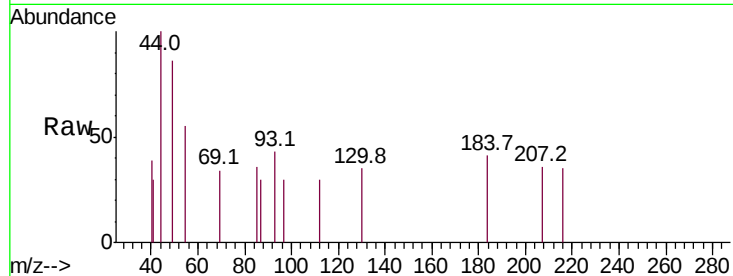
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.521 ng/ul
 RT: 12.76 min Scan# 1604
 Delta R.T. -0.17 min
 Lab File: BG046751.D
 Acq: 3 Oct 2020 1:05

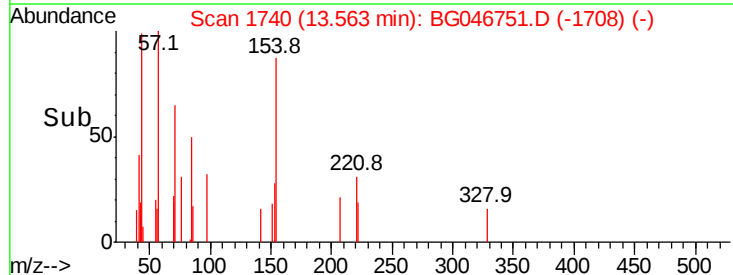
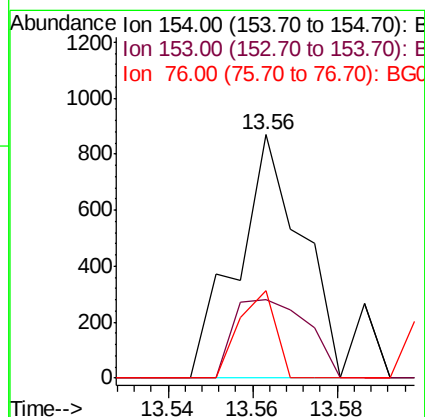
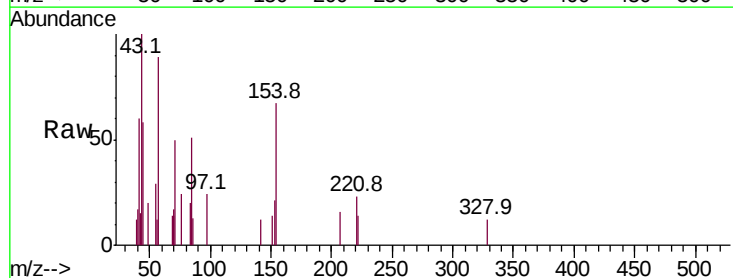
Instrument :
 BNA_G
 ClientSampleId :
 CB7L0

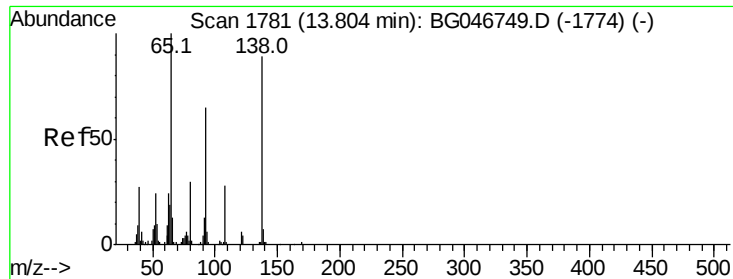
Tot Ion:216 Resp: 133
 Ion Ratio Lower Upper
 216 100
 214 0.0 61.9 92.9#
 179 0.0 16.6 24.8#
 108 0.0 11.5 17.3#



#41
 1,1'-Biphenyl
 Concen: 18.137 ng/ul
 RT: 13.56 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG046751.D
 Acq: 3 Oct 2020 1:05

Tgt Ion:154 Resp: 918
 Ion Ratio Lower Upper
 154 100
 153 32.3 32.7 49.1#
 76 35.7 8.5 12.7#

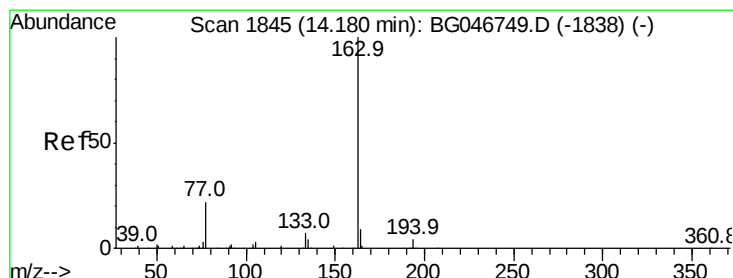
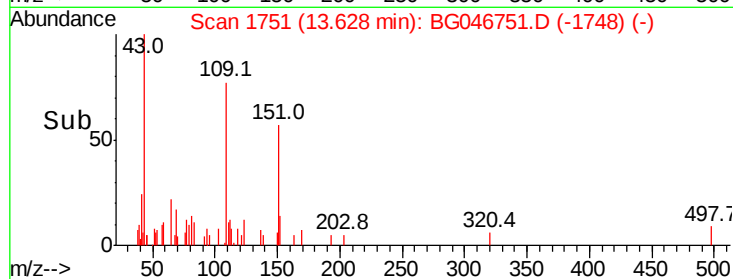
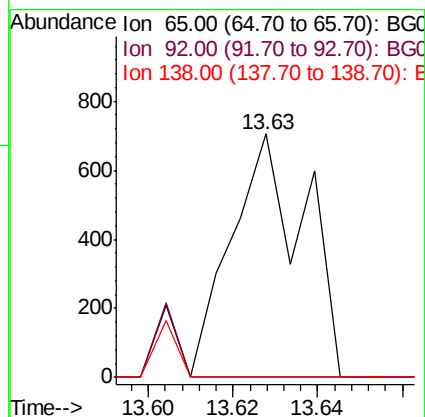
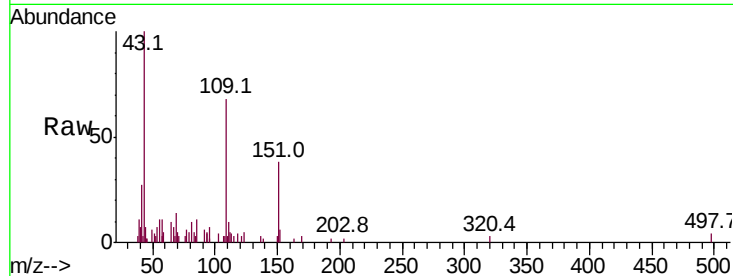




#43
2-Nitroaniline
Concen: 78.502 ng/ul
RT: 13.63 min Scan# 1751
Delta R.T. -0.18 min
Lab File: BG046751.D
Acq: 3 Oct 2020 1:05

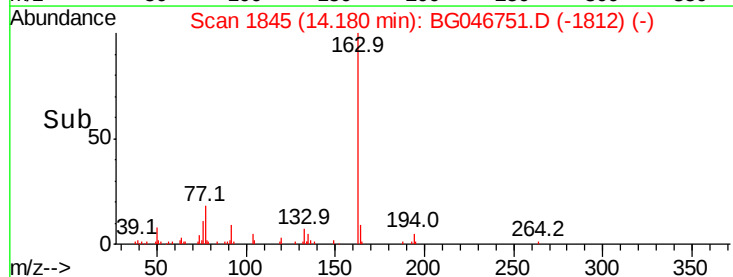
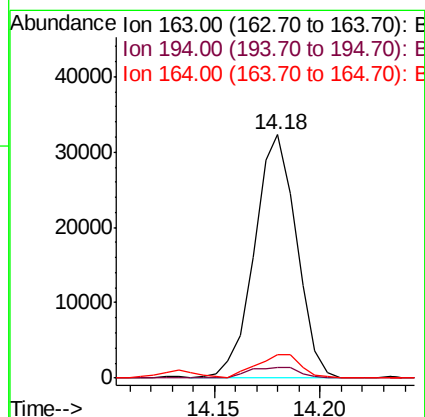
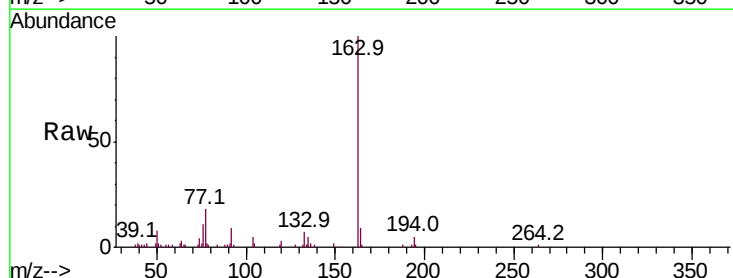
Instrument :
BNA_G
ClientSampleId :
CB7L0

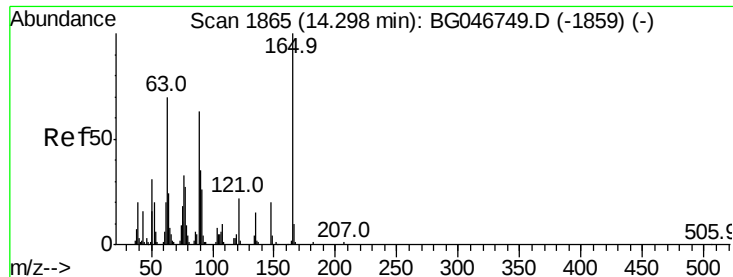
Tot Ion: 65 Resp: 843
Ion Ratio Lower Upper
65 100
92 0.0 57.8 86.6#
138 0.0 76.3 114.5#



#45
Dimethylphthalate
Concen: 878.532 ng/ul
RT: 14.18 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BG046751.D
Acq: 3 Oct 2020 1:05

Tgt Ion:163 Resp: 44704
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 9.4 7.4 11.0





#46

2,6-Dinitrotoluene

Concen: 52.639 ng/ul

RT: 14.18 min Scan# 1845

Delta R.T. -0.12 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

CB7L0

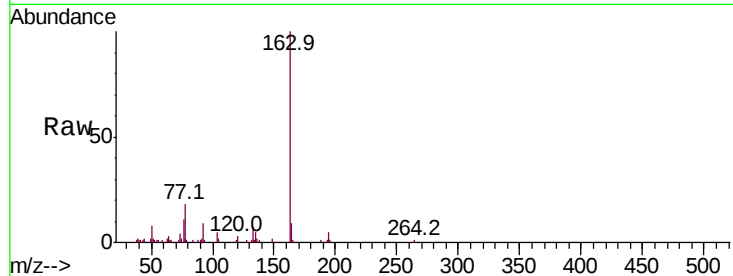
Tot Ion:165 Resp: 474

Ion Ratio Lower Upper

165 100

89 0.0 50.5 75.7#

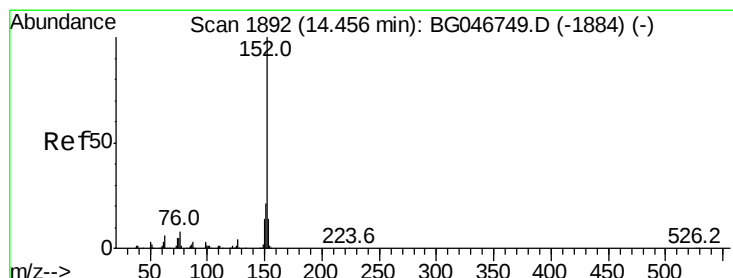
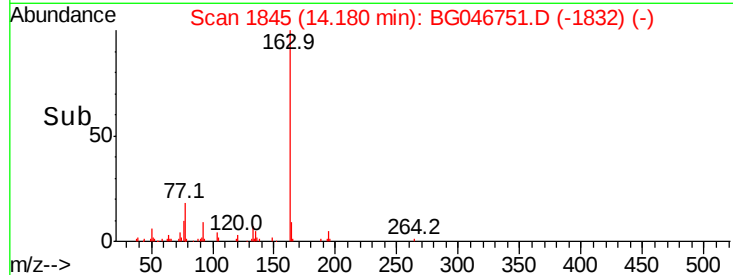
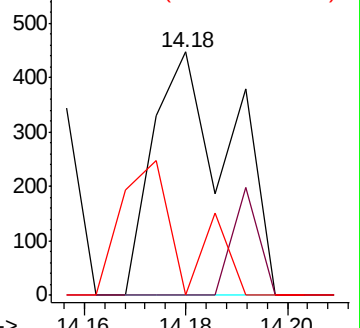
121 0.0 16.7 25.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



#48

Acenaphthylene

Concen: 25.689 ng/ul

RT: 14.46 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

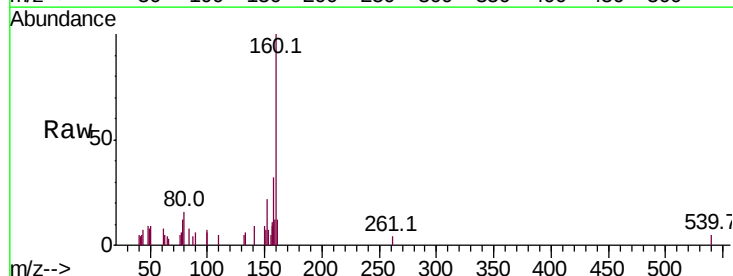
Tgt Ion:152 Resp: 1511

Ion Ratio Lower Upper

152 100

151 31.8 17.3 25.9#

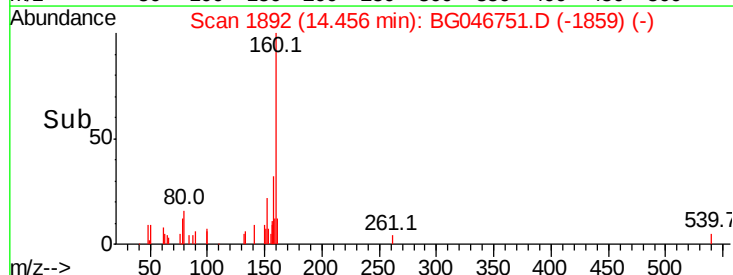
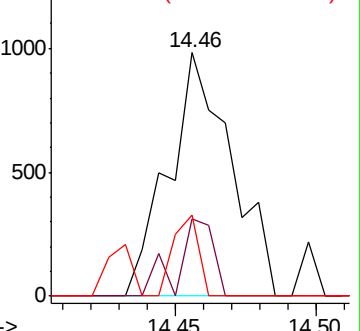
153 33.1 11.0 16.6#

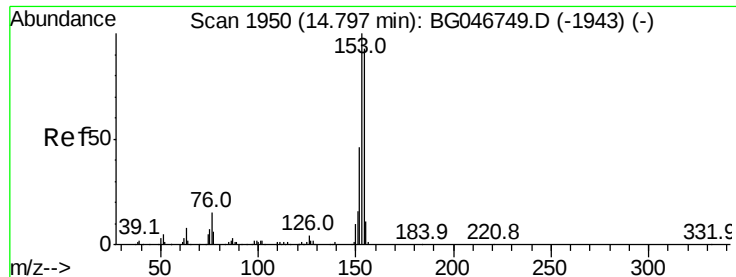


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 9.389 ng/ul

RT: 14.79 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampled :

CB7L0

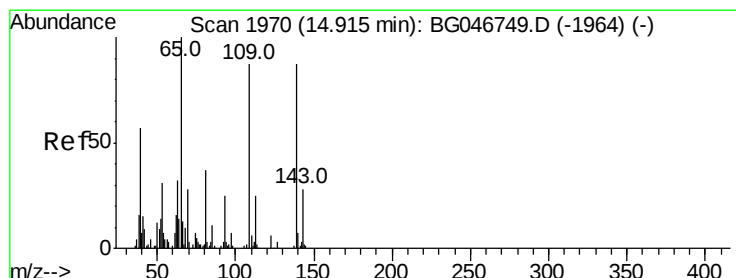
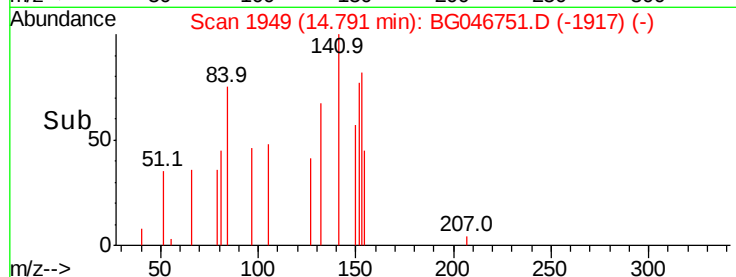
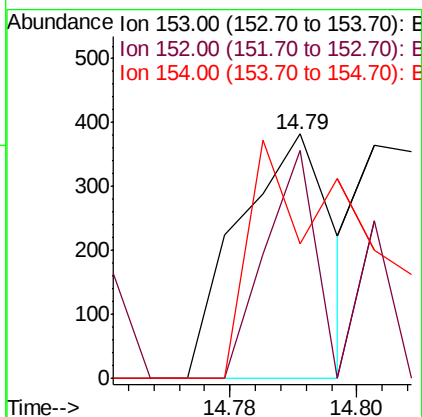
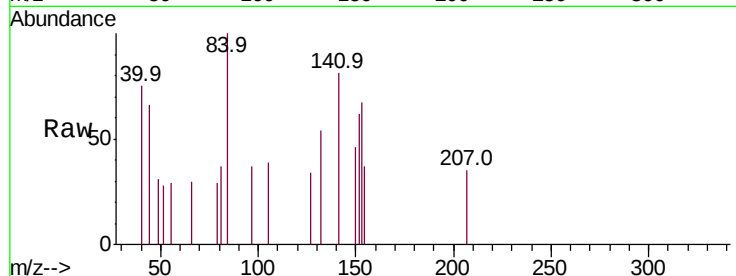
Tot Ion:153 Resp: 393

Ion Ratio Lower Upper

153 100

152 93.5 37.2 55.8#

154 55.0 72.9 109.3#



#53

4-Nitrophenol

Concen: 10.598 ng/ul

RT: 14.78 min Scan# 1947

Delta R.T. -0.14 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

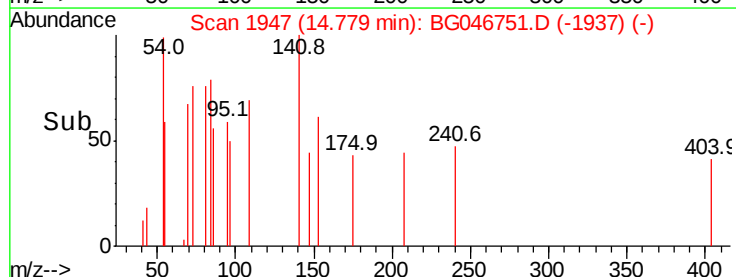
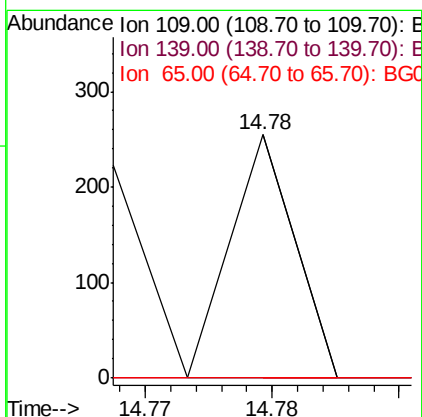
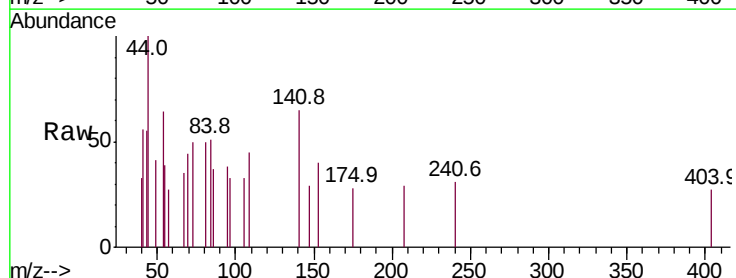
Tgt Ion:109 Resp: 90

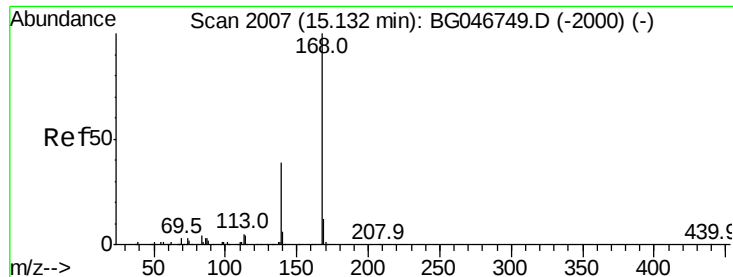
Ion Ratio Lower Upper

109 100

139 0.0 86.6 130.0#

65 0.0 100.9 151.3#





#54

Dibenzofuran

Concen: 34.991 ng/ul

RT: 15.13 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

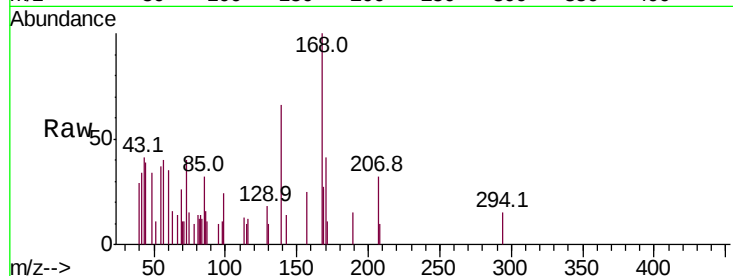
CB7L0

Tot Ion:168 Resp: 2152

Ion Ratio Lower Upper

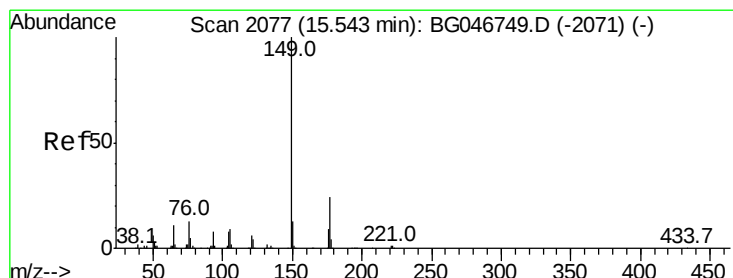
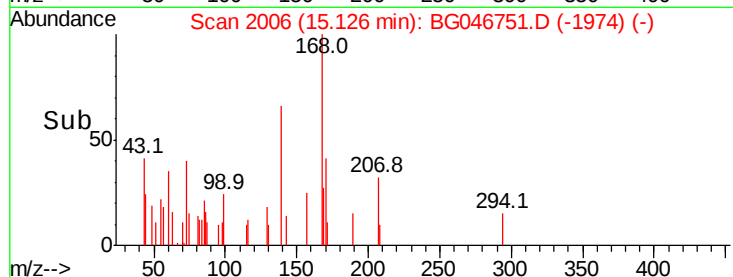
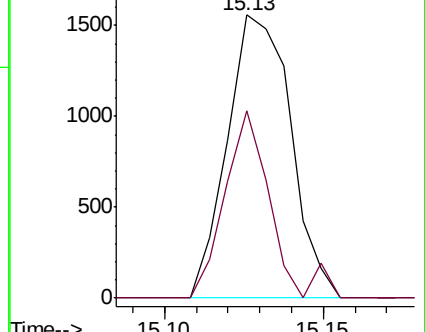
168 100

139 66.0 30.3 45.5#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#57

Diethylphthalate

Concen: 41.872 ng/ul

RT: 15.54 min Scan# 2077

Delta R.T. -0.00 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

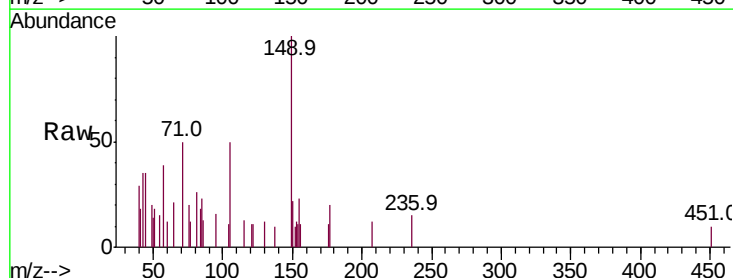
Tgt Ion:149 Resp: 2129

Ion Ratio Lower Upper

149 100

177 19.8 19.0 28.6

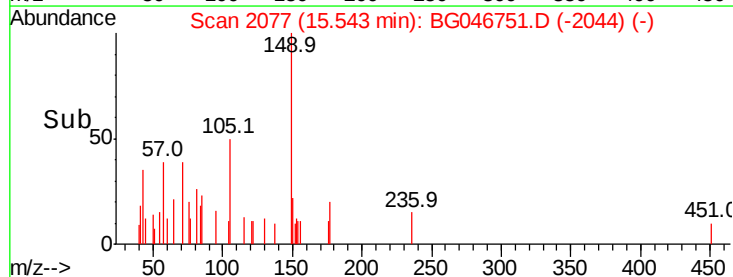
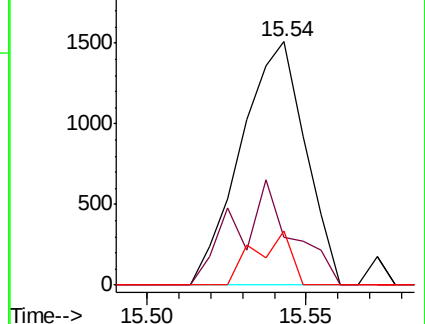
150 22.1 9.3 13.9#

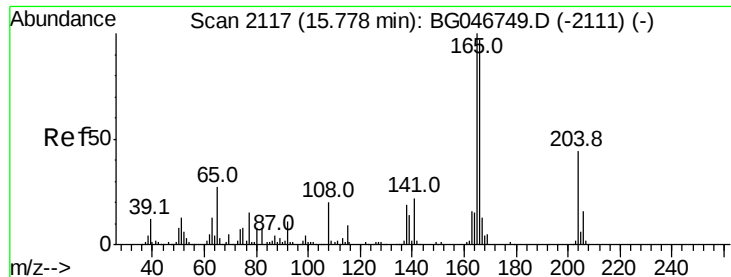


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#59

Fluorene

Concen: 12.715 ng/ul

RT: 15.77 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BG046751.D

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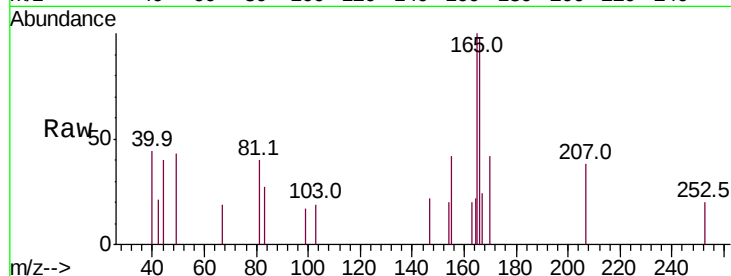
Tot Ion:166 Resp: 635

Ion Ratio Lower Upper

166 100

165 101.5 74.2 111.2

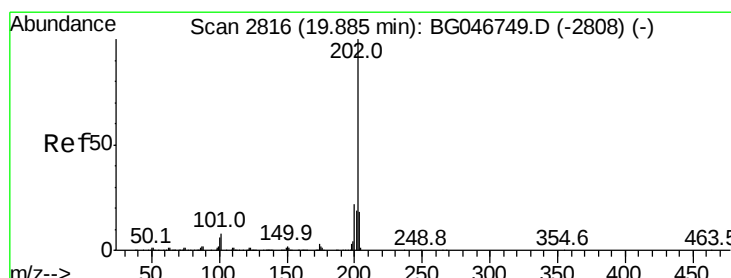
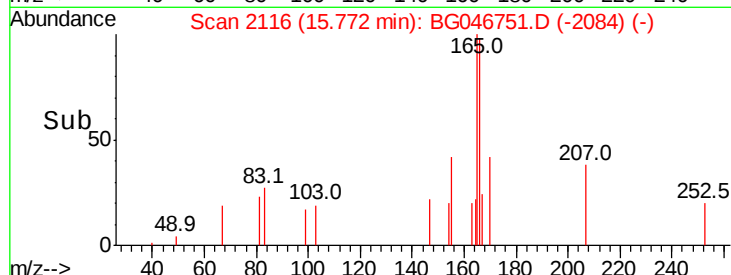
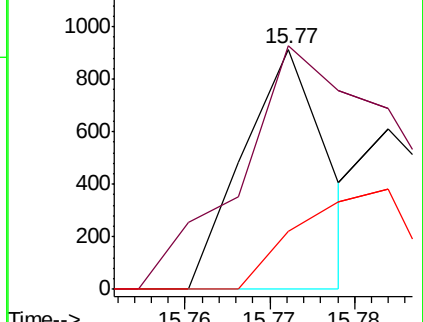
167 24.0 9.8 14.8#



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



#80

Pyrene

Concen: 34.947 ng/ul

RT: 20.01 min Scan# 2837

Delta R.T. 0.12 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

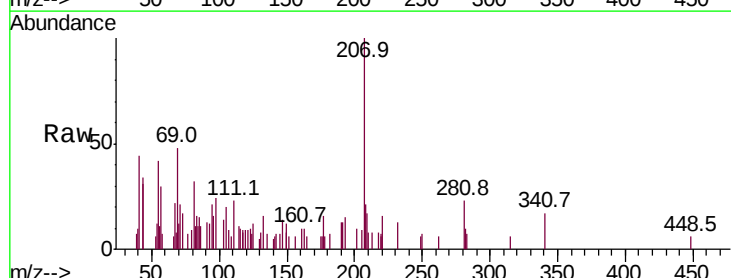
Tgt Ion:202 Resp: 301

Ion Ratio Lower Upper

202 100

101 0.0 7.0 10.4#

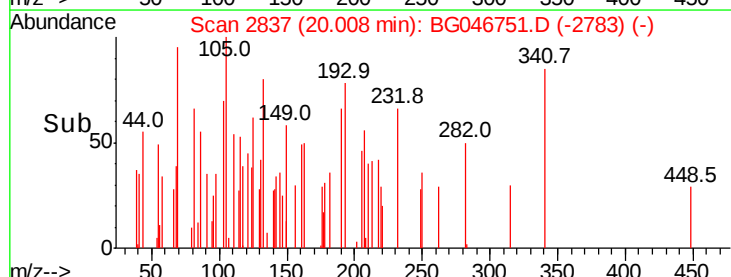
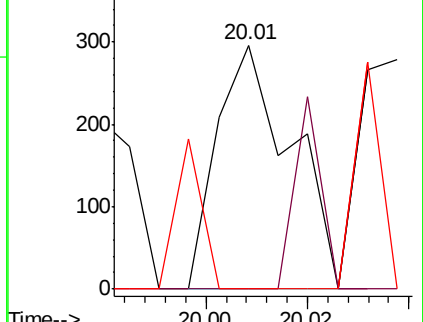
100 0.0 6.0 9.0#

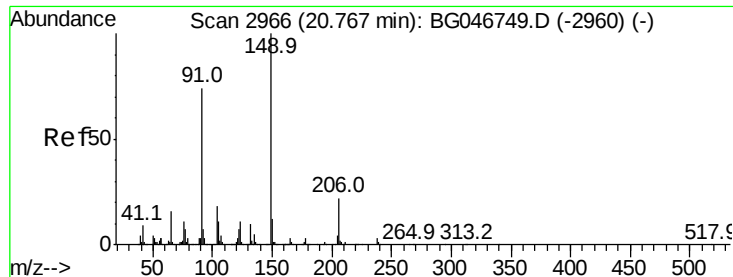


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

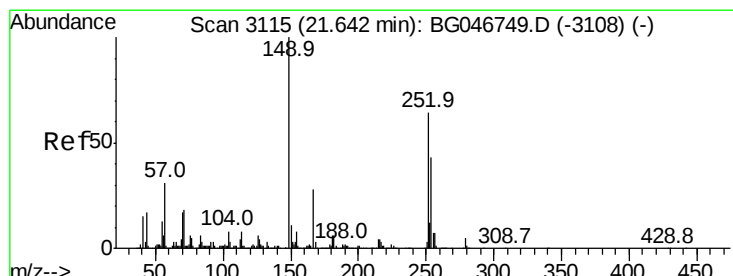
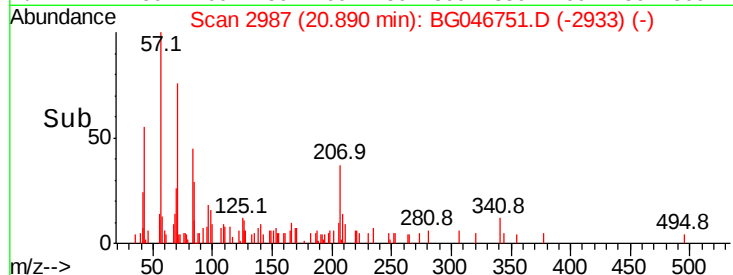
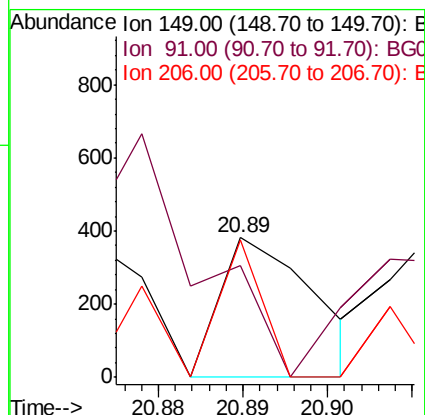
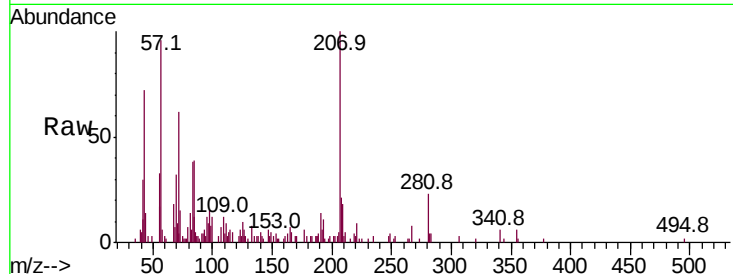




#81
Butylbenzylphthalate
Concen: 98.607 ng/ul
RT: 20.89 min Scan# 2987
Delta R.T. 0.12 min
Lab File: BG046751.D
Acq: 3 Oct 2020 1:05

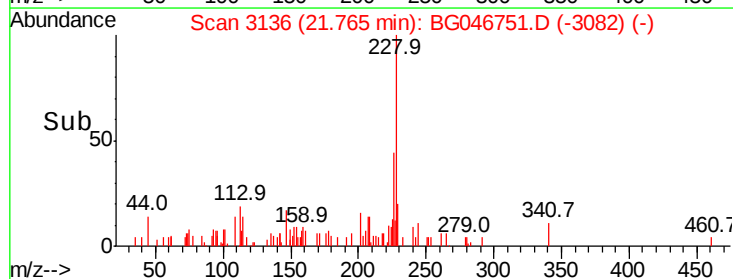
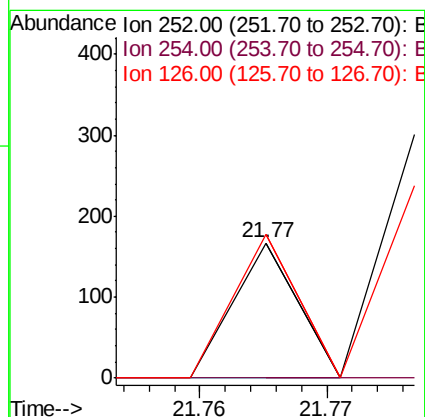
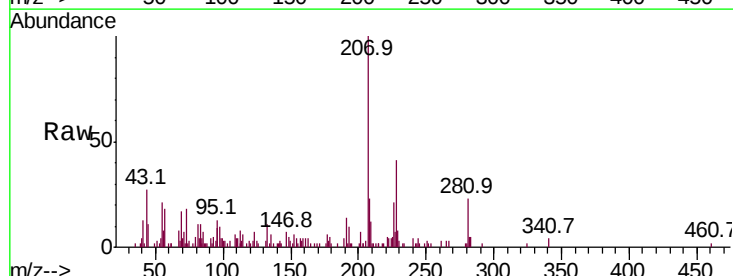
Instrument :
BNA_G
ClientSampled :
CB7L0

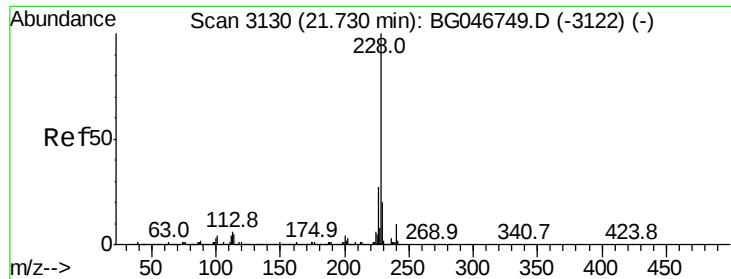
Tot Ion:149 Resp: 296
Ion Ratio Lower Upper
149 100
91 80.3 59.0 88.4
206 98.7 19.2 28.8#



#82
3,3'-Dichlorobenzidine
Concen: 18.827 ng/ul
RT: 21.77 min Scan# 3136
Delta R.T. 0.12 min
Lab File: BG046751.D
Acq: 3 Oct 2020 1:05

Tgt Ion:252 Resp: 59
Ion Ratio Lower Upper
252 100
254 0.0 52.3 78.5#
126 106.0 5.9 8.9#





#83

Benzo(a)anthracene

Concen: 3227.736 ng/ul

RT: 21.79 min Scan# 3141

Delta R.T. 0.06 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

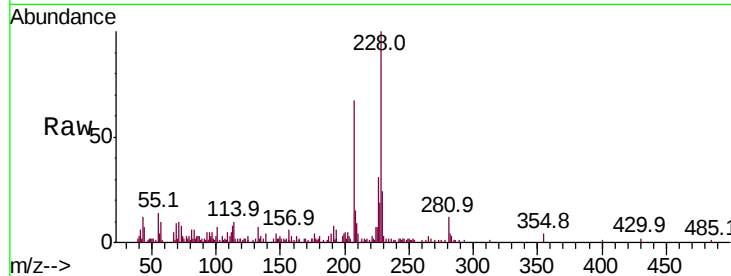
BNA_G

ClientSampleId :

CB7L0

Tot Ion:228 Resp: 28300

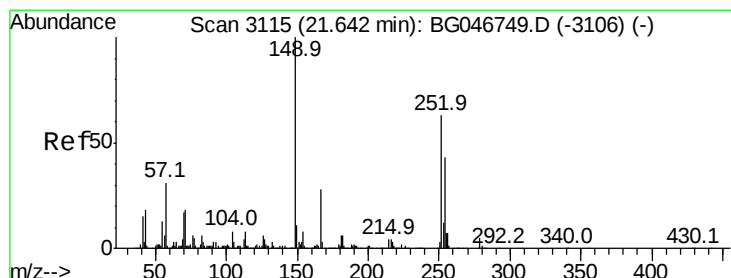
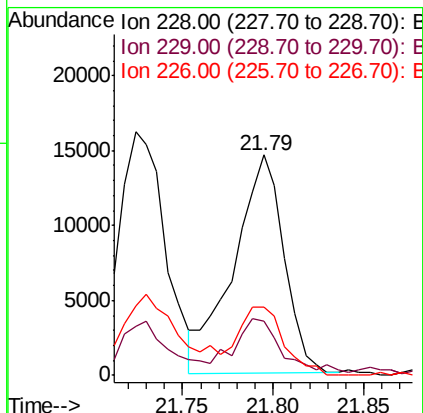
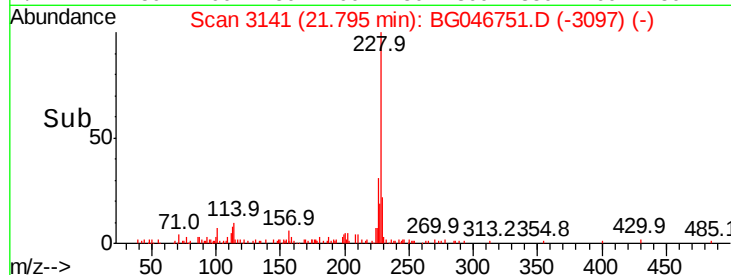
Ion	Ratio	Lower	Upper
228	100		
229	24.4	16.5	24.7
226	30.8	21.6	32.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.551 ng/ul

RT: 21.78 min Scan# 3138

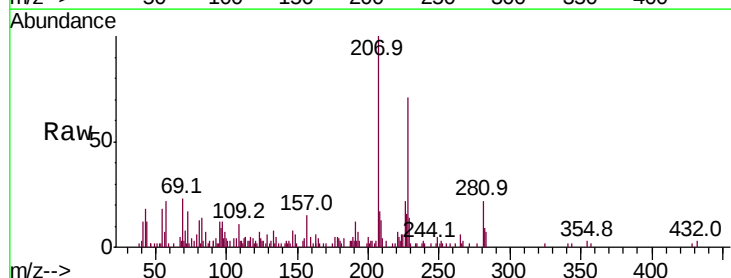
Delta R.T. 0.13 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Tgt Ion:149 Resp: 306

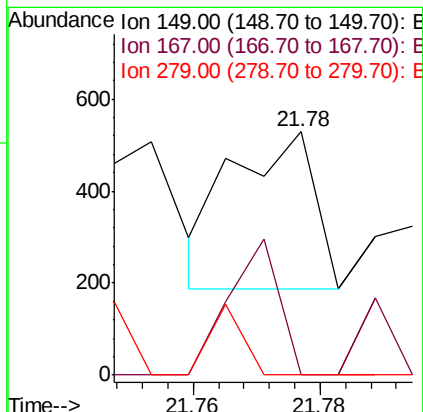
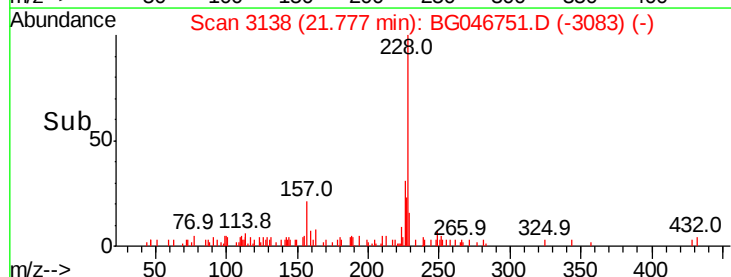
Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.7	34.1#
279	0.0	4.2	6.2#

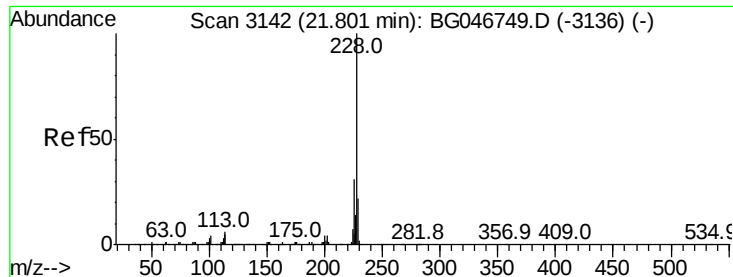


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 223.629 ng/ul

RT: 21.95 min Scan# 3167

Delta R.T. 0.14 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

CB7L0

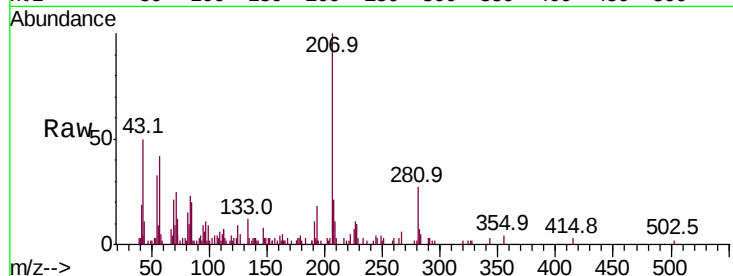
Tot Ion:228 Resp: 1902

Ion Ratio Lower Upper

228 100

226 67.6 24.3 36.5#

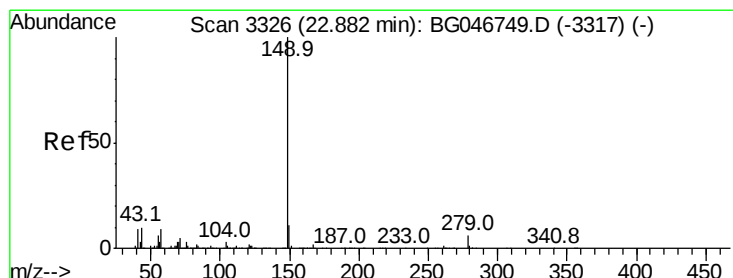
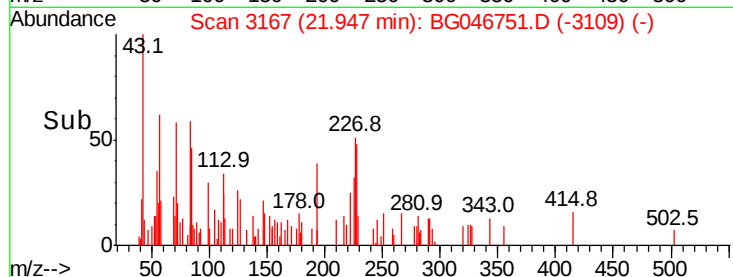
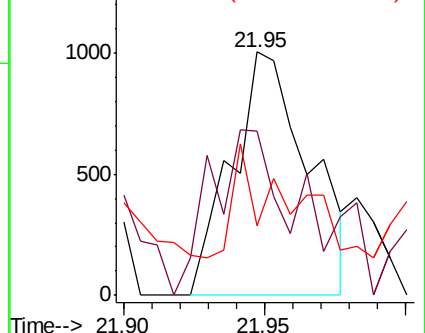
229 28.4 15.8 23.8#



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



#87

Di-n-octyl phthalate

Concen: 7.638 ng/ul

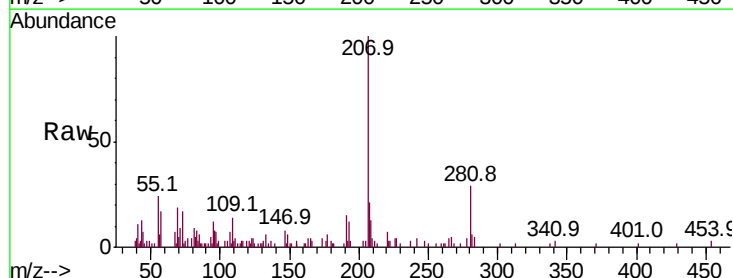
RT: 23.00 min Scan# 3347

Delta R.T. 0.11 min

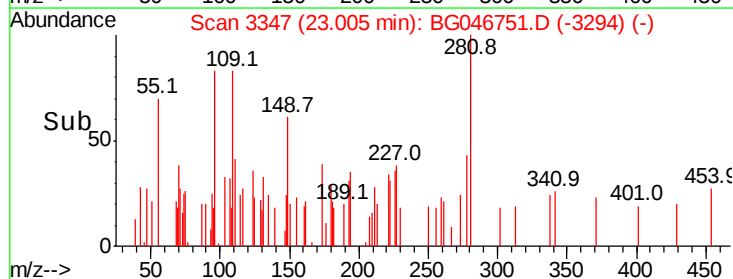
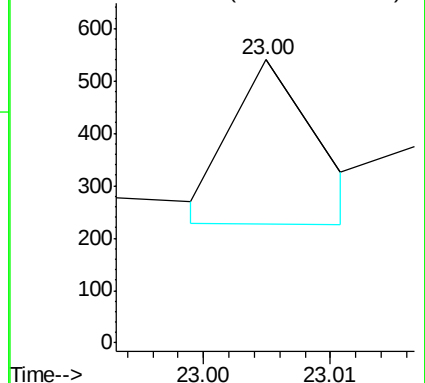
Lab File: BG046751.D

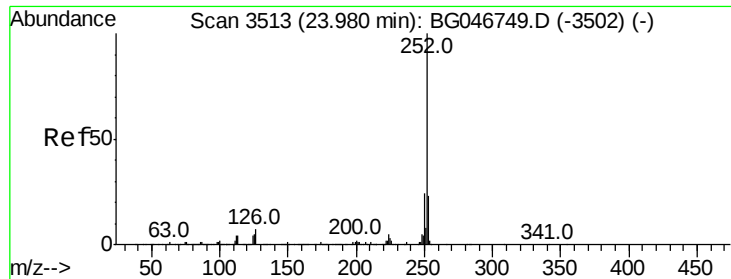
Acq: 3 Oct 2020 1:05

Tgt Ion:149 Resp: 146



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 17.107 ng/ul

RT: 24.12 min Scan# 3536

Delta R.T. 0.13 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

CB7L0

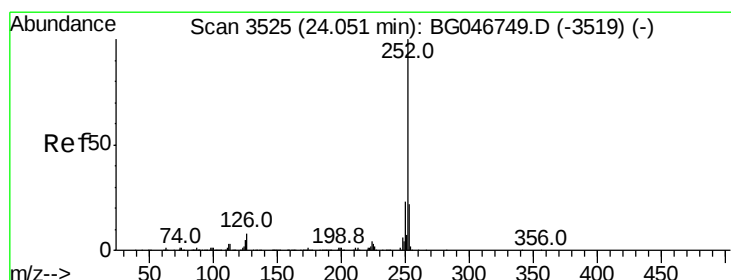
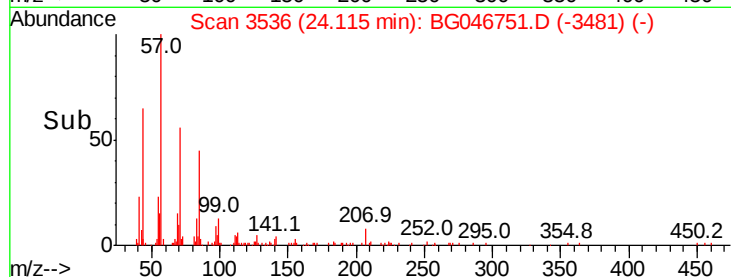
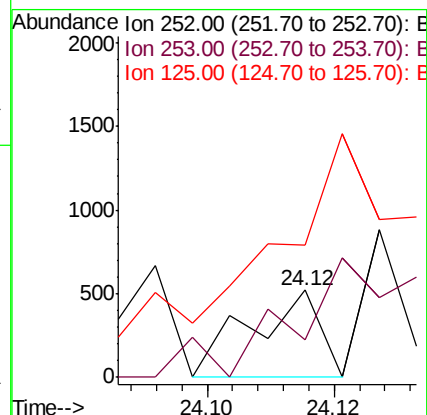
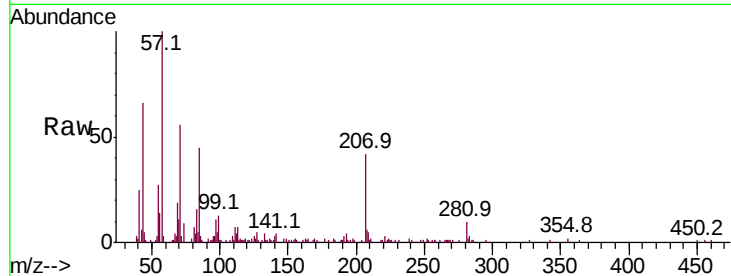
Tot Ion:252 Resp: 395

Ion Ratio Lower Upper

252 100

253 42.5 17.9 26.9#

125 152.3 5.0 7.4#



#89

Benzo(k)fluoranthene

Concen: 6.665 ng/ul

RT: 24.17 min Scan# 3545

Delta R.T. 0.11 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

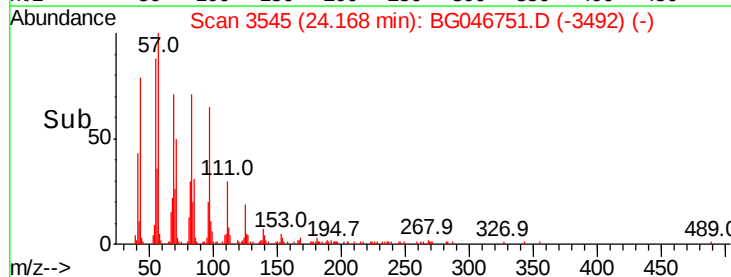
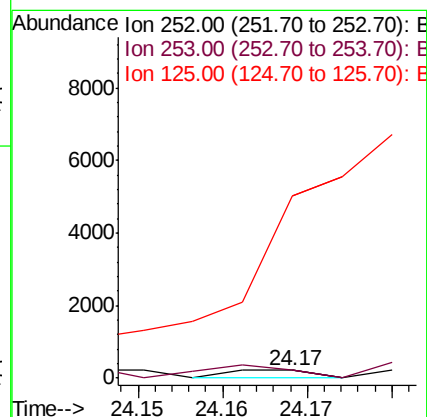
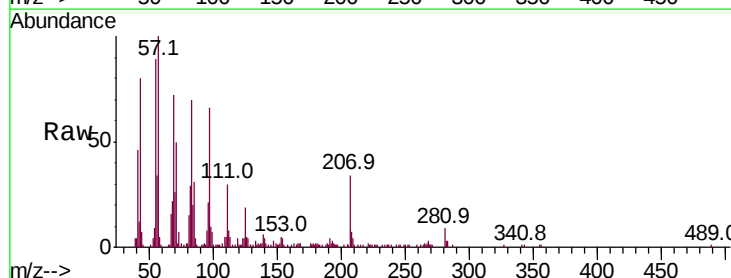
Tgt Ion:252 Resp: 150

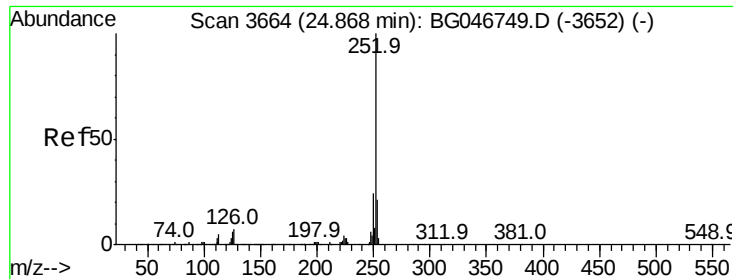
Ion Ratio Lower Upper

252 100

253 98.6 17.7 26.5#

125 2323.1 4.8 7.2#





#91

Benzo(a)pyrene

Concen: 7.539 ng/ul

RT: 24.97 min Scan# 3682

Delta R.T. 0.10 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

CB7L0

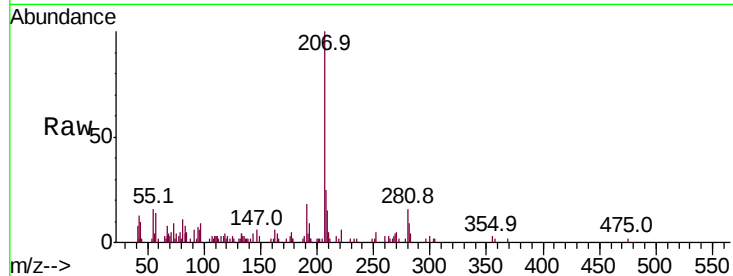
Tot Ion:252 Resp: 159

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

125 102.7 5.4 8.2#



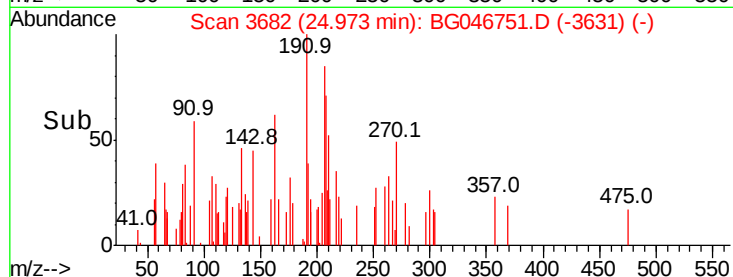
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

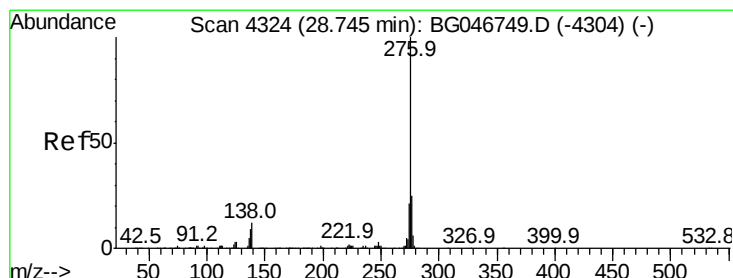
Ion 125.00 (124.70 to 125.70): E

24.97

24.98



Time-->



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.048 ng/ul

RT: 28.94 min Scan# 4357

Delta R.T. 0.18 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

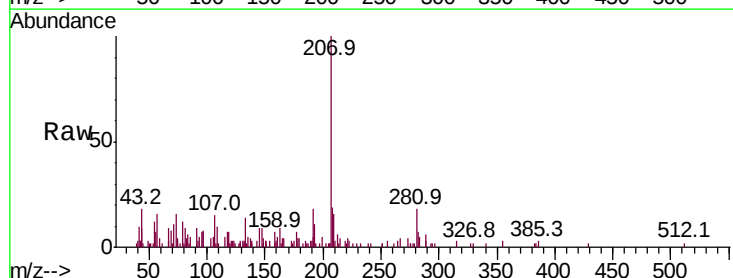
Tgt Ion:276 Resp: 53

Ion Ratio Lower Upper

276 100

138 194.7 9.7 14.5#

277 100.7 18.2 27.4#



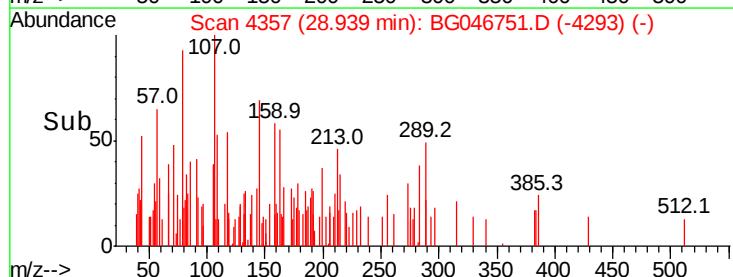
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

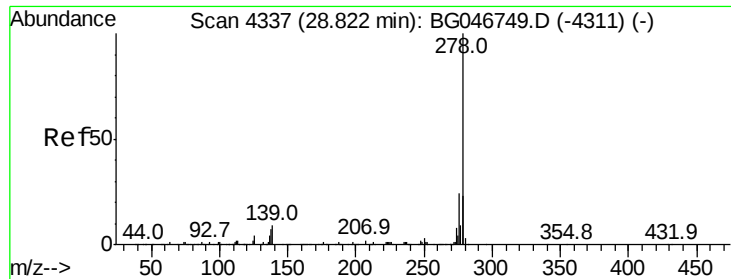
Ion 277.00 (276.70 to 277.70): E

28.94

28.93



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 19.217 ng/ul

RT: 28.97 min Scan# 4362

Delta R.T. 0.13 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

Instrument :

BNA_G

ClientSampleId :

CB7L0

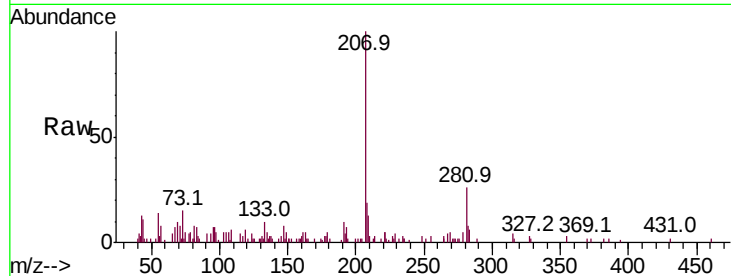
Tot Ion:278 Resp: 412

Ion Ratio Lower Upper

278 100

139 0.0 7.2 10.8#

279 0.0 17.8 26.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

28.97

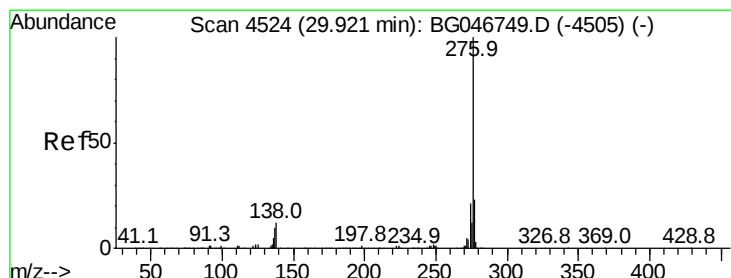
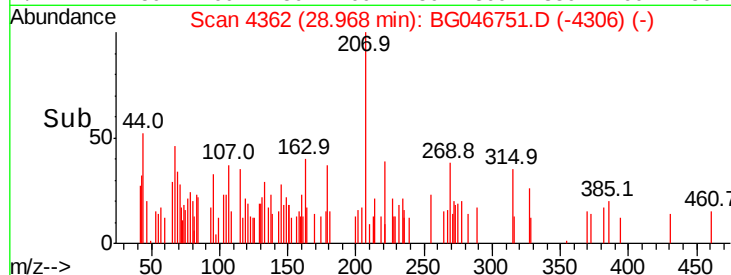
400

200

0

28.96 28.97 28.98

Time-->



#94

Benzo(g,h,i)perylene

Concen: 140.458 ng/ul

RT: 29.90 min Scan# 4520

Delta R.T. -0.03 min

Lab File: BG046751.D

Acq: 3 Oct 2020 1:05

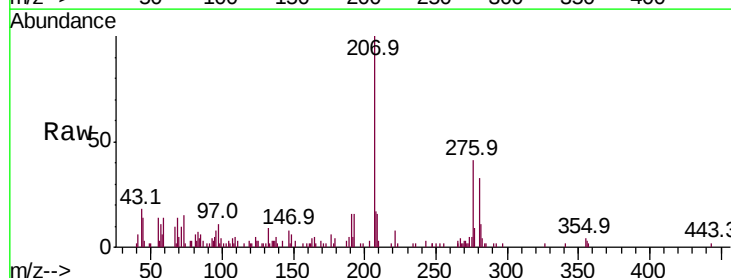
Tgt Ion:276 Resp: 3045

Ion Ratio Lower Upper

276 100

138 12.5 10.2 15.4

277 22.6 19.0 28.6



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

29.90

5000

4000

3000

2000

1000

0

29.88 29.90 29.92

Time-->

