

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP030220\
 Data File : BP002024.D
 Acq On : 03 Mar 2020 16:11
 Operator : CG/JU
 Sample : L1616-14DL 2X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Mar 04 05:14:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 03 05:31:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	357026	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	1460472	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.28	164	889527	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	1883683	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1617125	20.00	ng/ul	0.01
86) Perylene-d12	23.35	264	1903674	20.00	ng/ul	0.02

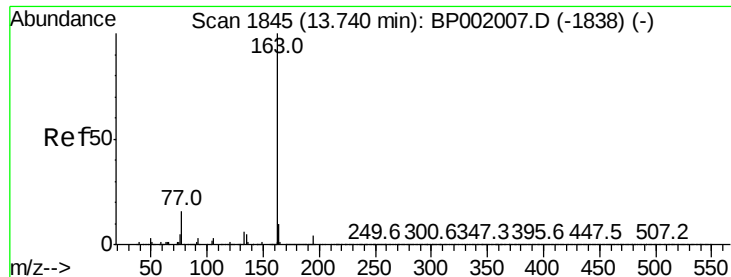
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	19084	2.30	ng/uL	0.00
5) Phenol-d5	6.81	99	375512	13.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	215330	14.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	335558	14.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	299665	13.39	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	152536	13.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	166321	13.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	343524	14.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	271681	10.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	998001	14.82	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	1205507	14.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	120311	9.35	ng/ul	0.00
58) Fluorene-d10	15.27	176	901081	15.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	90650	8.73	ng/ul	0.00
71) Anthracene-d10	17.13	188	1347313	15.91	ng/ul	0.00
79) Pyrene-d10	19.38	212	1497056	17.68	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	1471400	15.11	ng/ul	0.02

Target Compounds

					Ovalue	
45) Dimethylphthalate	13.74	163	83600	1.203	ng/ul	100
48) Acenaphthylene	14.00	152	186015	2.179	ng/ul	99
70) Phenanthrene	17.07	178	163297	1.574	ng/ul	99
72) Anthracene	17.17	178	760025	7.397	ng/ul	99
75) Carbazole	17.44	167	273129	3.157	ng/ul	99
77) Fluoranthene	19.06	202	2138717	17.866	ng/ul	98
80) Pyrene	19.41	202	2915476	26.480	ng/ul	99
83) Benzo(a)anthracene	21.12	228	1412957	12.915	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.07	149	107215	1.635	ng/ul	96
85) Chrysene	21.17	228	2427159	23.254	ng/ul	98
88) Benzo(b)fluoranthene	22.69	252	4556831	38.169	ng/ul	99
89) Benzo(k)fluoranthene	22.69	252	4556831	38.994	ng/ul	99
91) Benzo(a)pyrene	23.25	252	1598376	14.748	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.59	276	1903658	13.552	ng/ul	94
93) Dibenzo(a,h)anthracene	25.59	278	419101	3.609	ng/ul#	84
94) Benzo(g,h,i)perylene	26.26	276	1322464	11.153	ng/ul	99

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



#45

Dimethylphthalate

Concen: 1.203 ng/ul

RT: 13.74 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampleId :

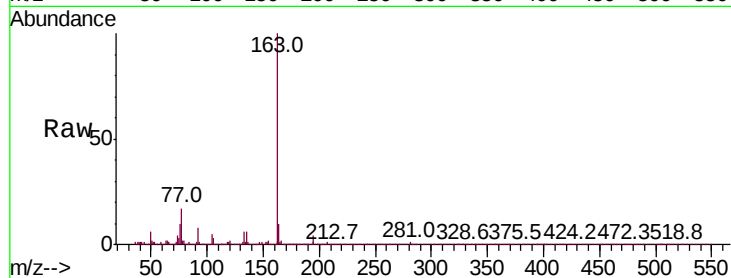
Tot Ion:163 Resp: 83600

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

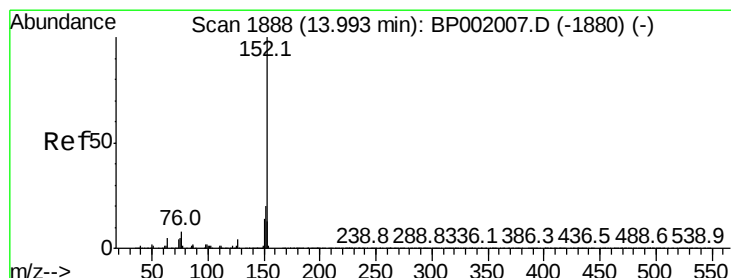
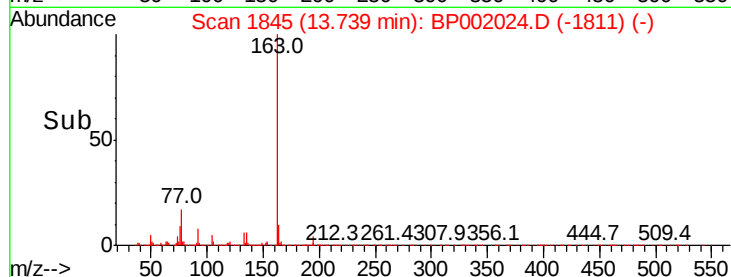
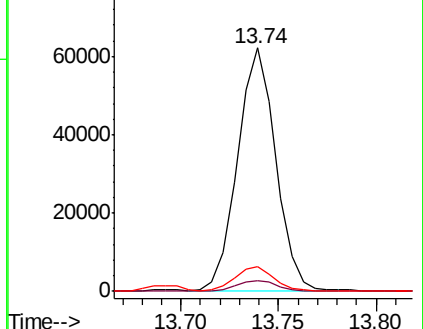
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 2.179 ng/ul

RT: 14.00 min Scan# 1889

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

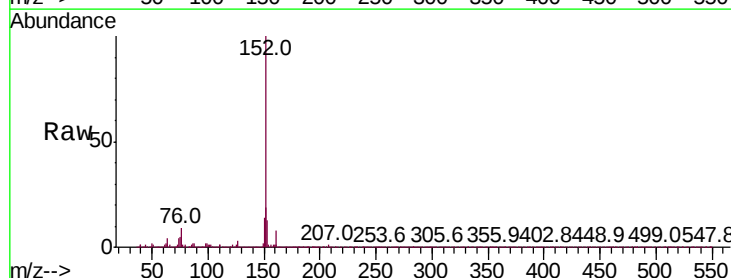
Tgt Ion:152 Resp: 186015

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

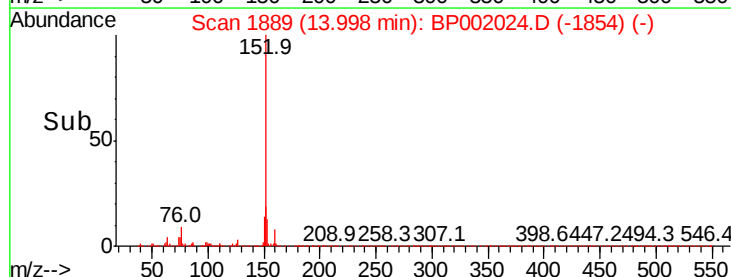
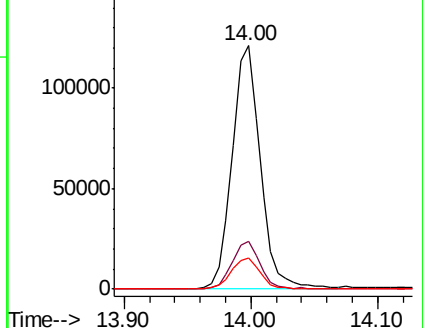
153 12.6 10.6 15.8

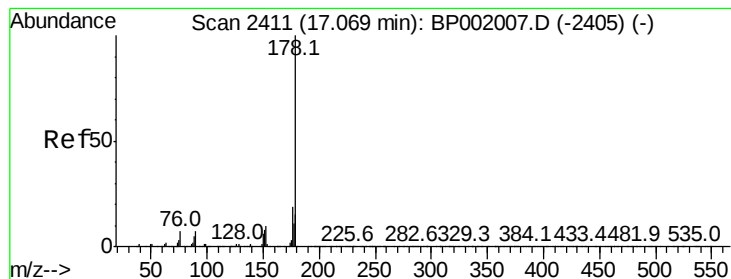


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#70

Phenanthrene

Concen: 1.574 ng/ul

RT: 17.07 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

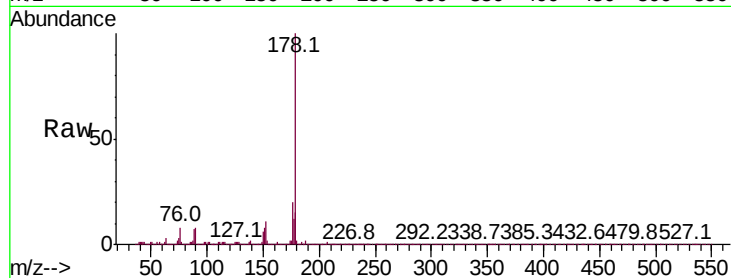
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 163297

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.5	14.9	22.3

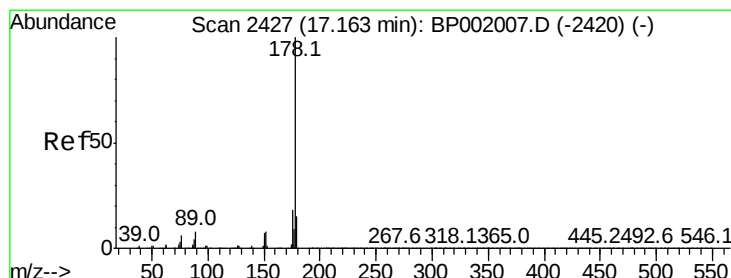
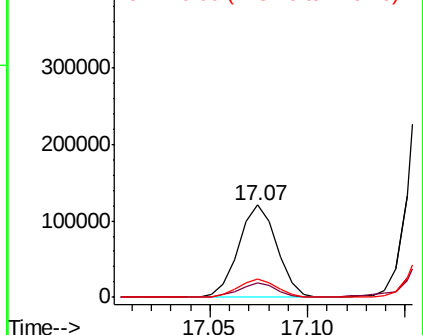
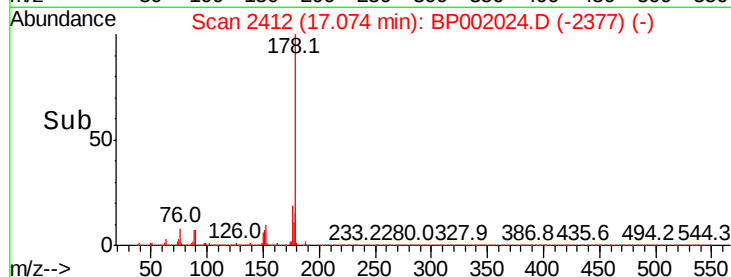


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 7.397 ng/ul

RT: 17.17 min Scan# 2428

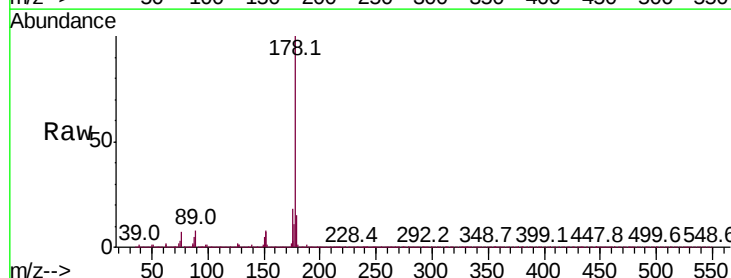
Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Tgt Ion:178 Resp: 760025

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	18.2	14.6	22.0

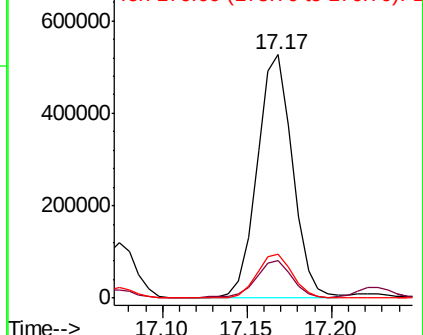
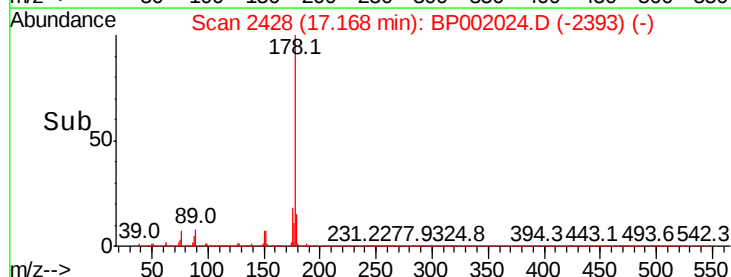


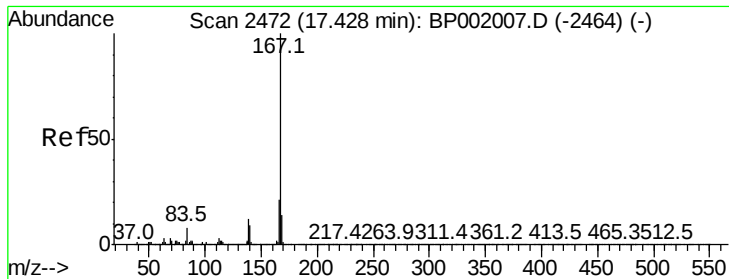
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

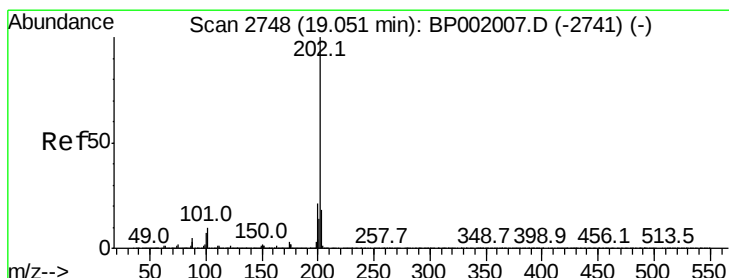
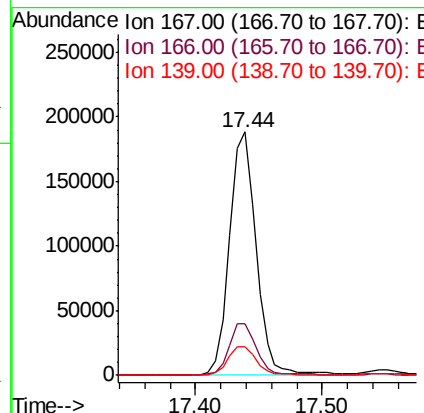
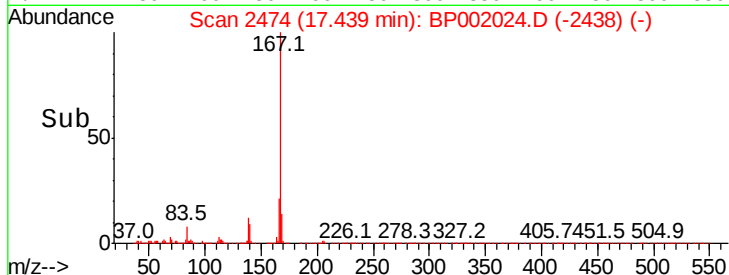
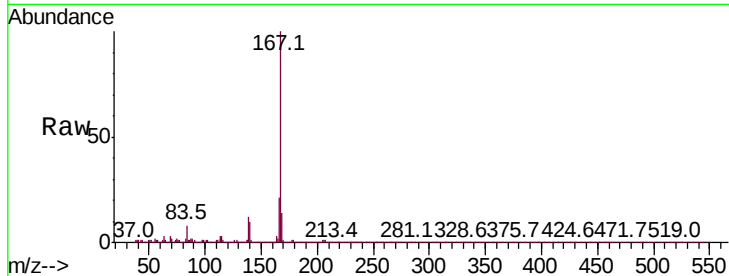




#75
 Carbazole
 Concen: 3.157 ng/ul
 RT: 17.44 min Scan# 2474
 Delta R.T. 0.01 min
 Lab File: BP002024.D
 Acq: 03 Mar 2020 16:11

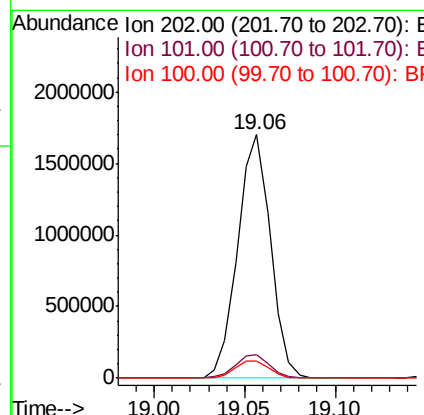
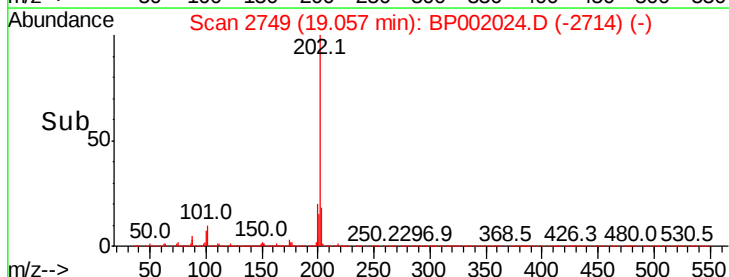
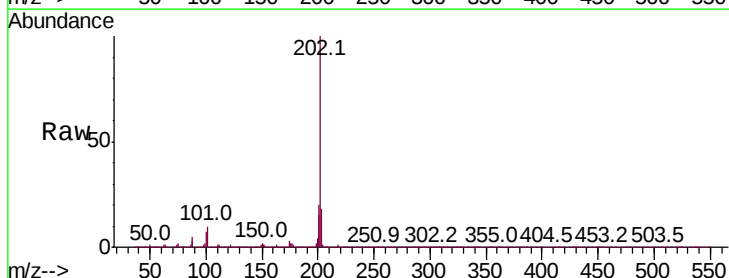
Instrument :
 BNA_P
 ClientSampleId :

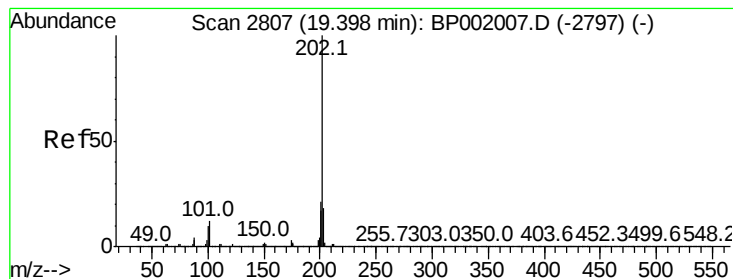
Tot Ion:167 Resp: 273129
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 11.9 10.1 15.1



#77
 Fluoranthene
 Concen: 17.866 ng/ul
 RT: 19.06 min Scan# 2749
 Delta R.T. 0.01 min
 Lab File: BP002024.D
 Acq: 03 Mar 2020 16:11

Tgt Ion:202 Resp: 2138717
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.2 12.2
 100 7.2 6.3 9.5





#80

Pvrene

Concen: 26.480 ng/ul

RT: 19.41 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampled :

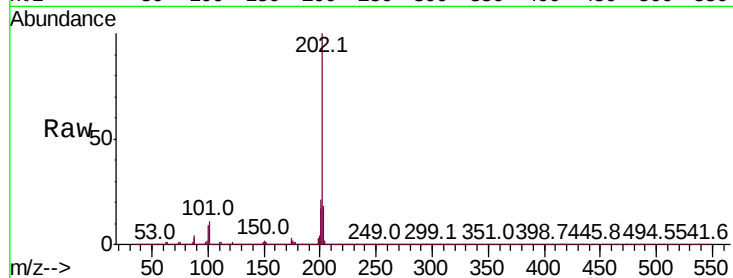
Tot Ion:202 Resp: 2915476

Ion Ratio Lower Upper

202 100

101 11.2 9.3 13.9

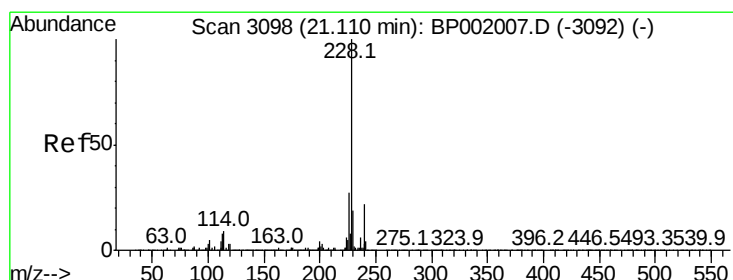
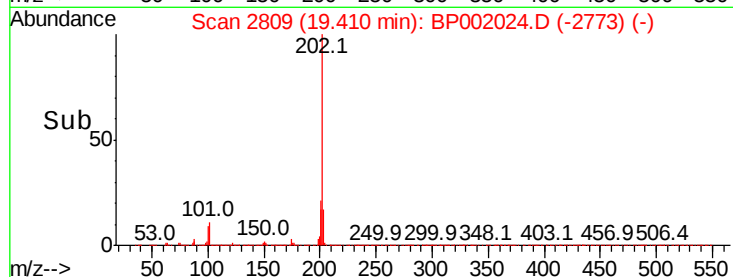
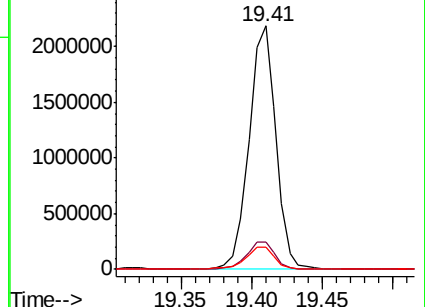
100 8.9 7.6 11.4



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



#83

Benzo(a)anthracene

Concen: 12.915 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

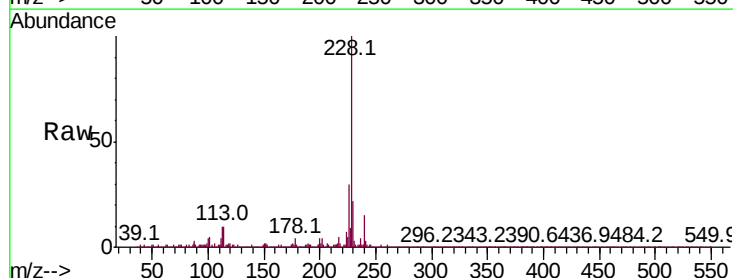
Tgt Ion:228 Resp: 1412957

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

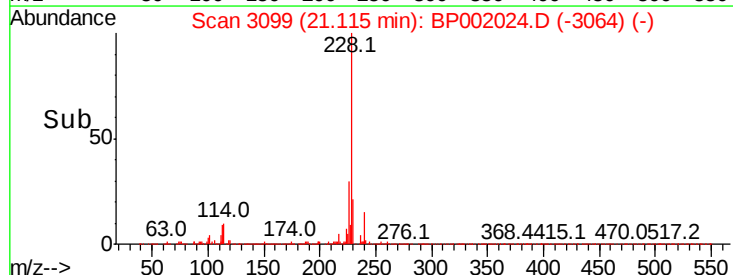
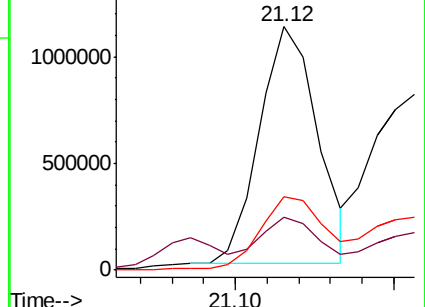
226 30.2 21.4 32.0

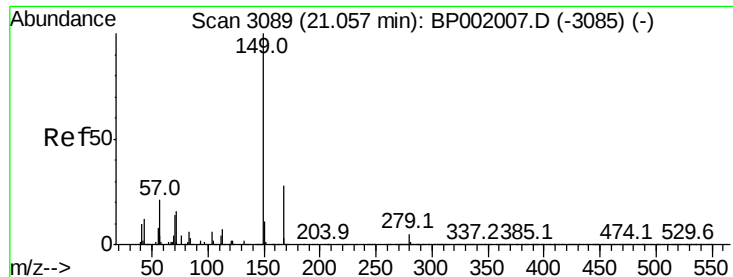


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.635 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampled :

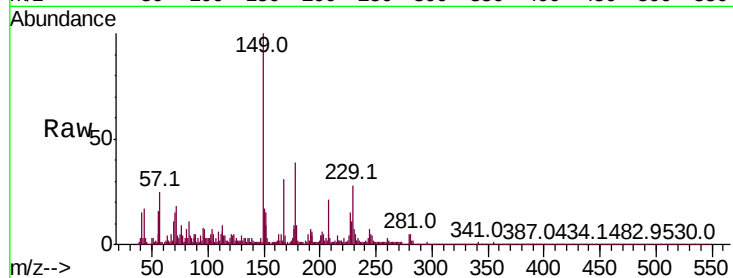
Tot Ion:149 Resp: 107215

Ion Ratio Lower Upper

149 100

167 30.7 22.7 34.1

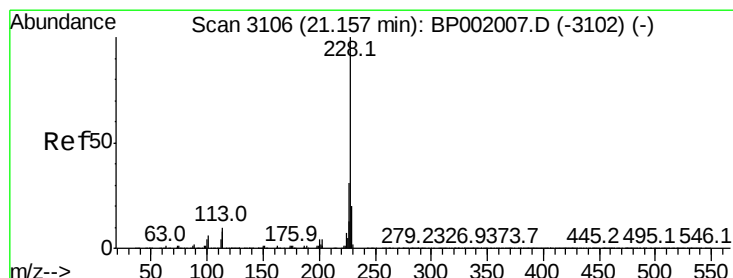
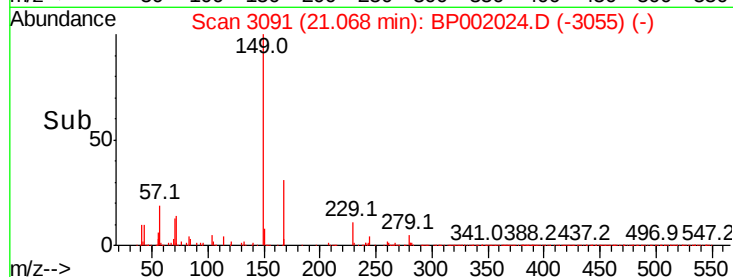
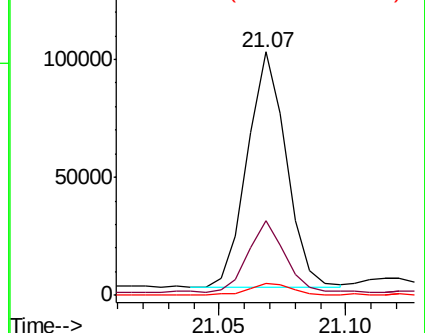
279 4.8 3.6 5.4



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

Chrysene

Concen: 23.254 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

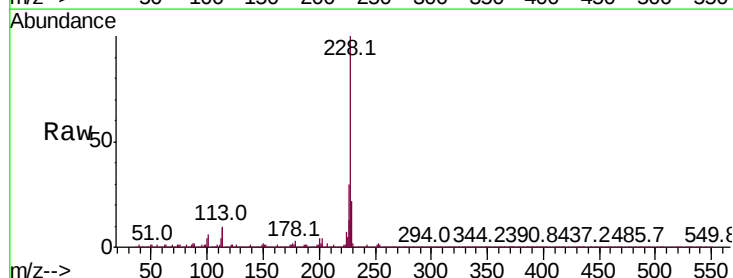
Tgt Ion:228 Resp: 2427159

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

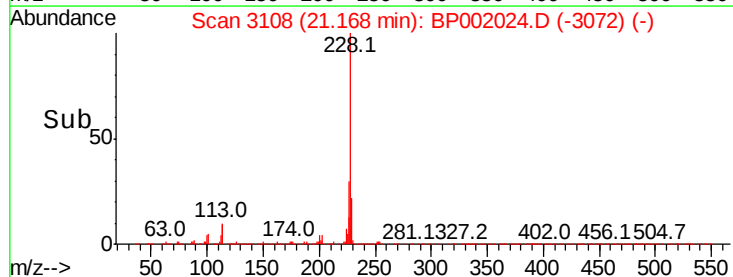
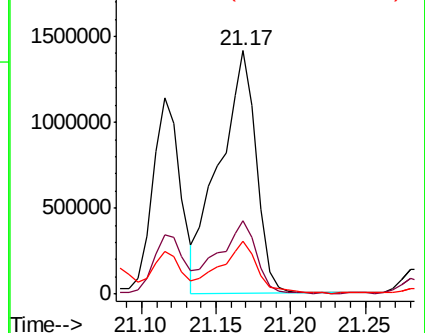
229 21.9 15.9 23.9

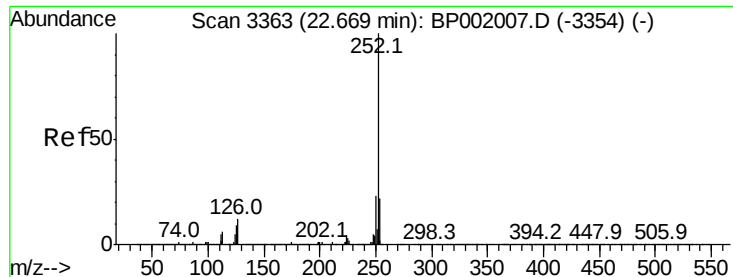


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 38.169 ng/ul

RT: 22.69 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampleId :

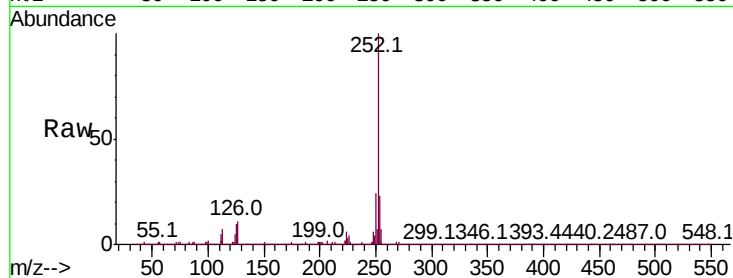
Tot Ion:252 Resp: 4556831

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

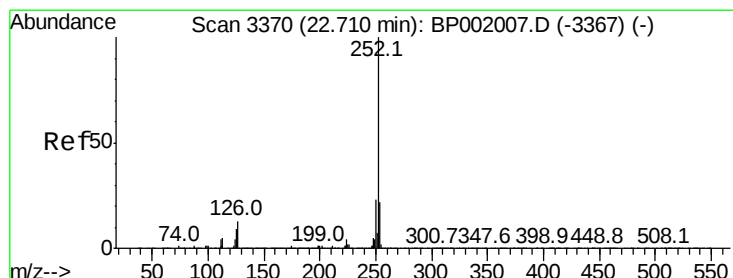
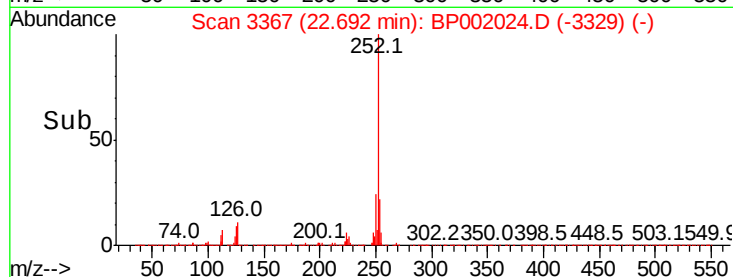
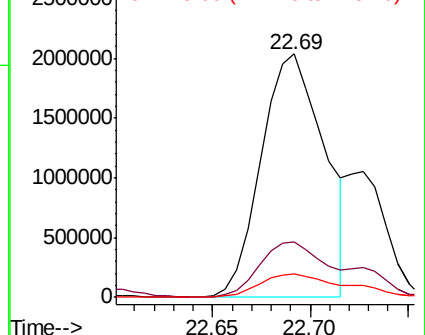
125 9.6 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 38.994 ng/ul

RT: 22.69 min Scan# 3367

Delta R.T. -0.02 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

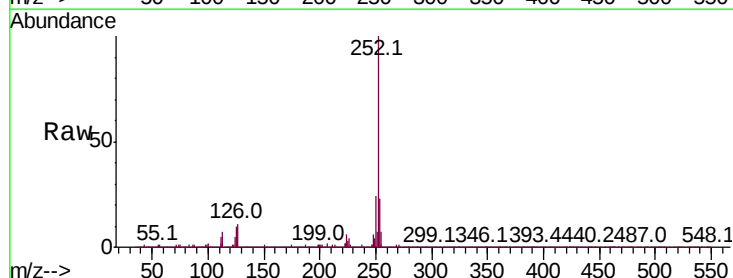
Tgt Ion:252 Resp: 4556831

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

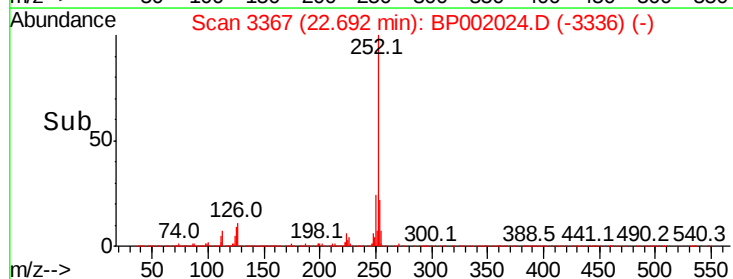
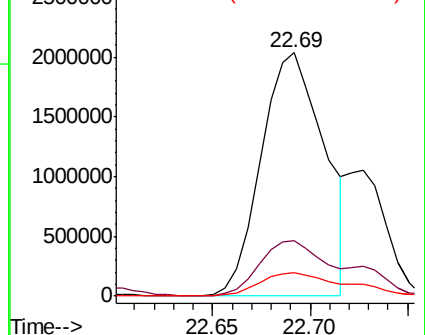
125 9.6 7.4 11.0

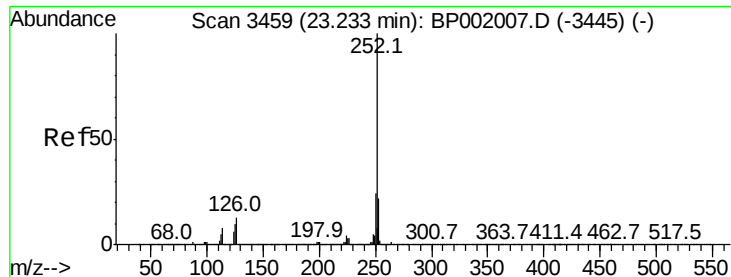


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 14.748 ng/ul

RT: 23.25 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampleId :

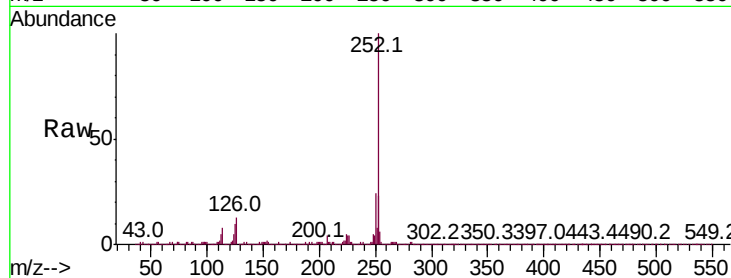
Tot Ion:252 Resp: 1598376

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

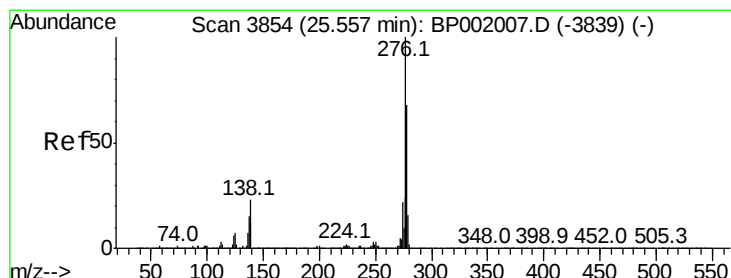
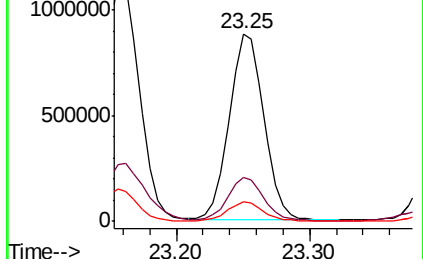
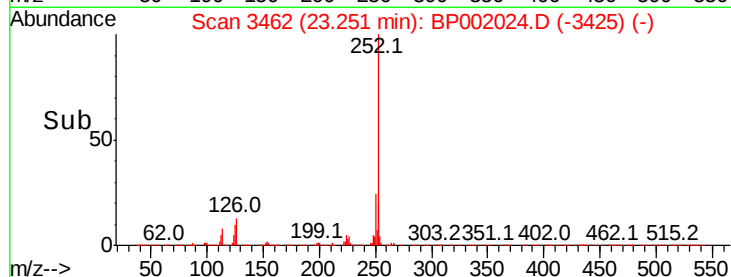
125 10.3 8.2 12.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 13.552 ng/ul

RT: 25.59 min Scan# 3859

Delta R.T. 0.03 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

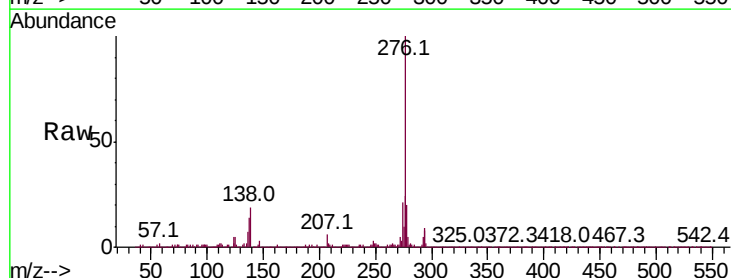
Tgt Ion:276 Resp: 1903658

Ion Ratio Lower Upper

276 100

138 19.2 18.6 28.0

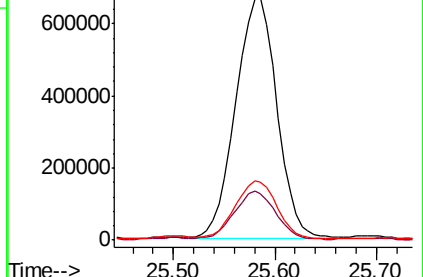
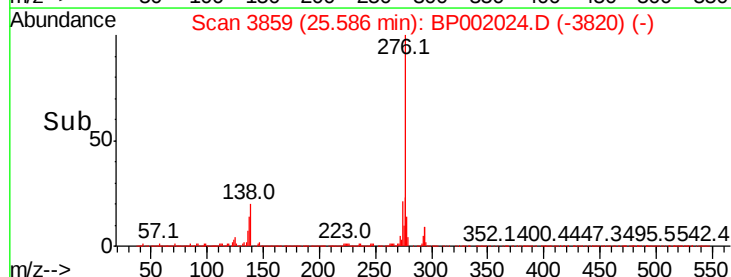
277 23.7 20.4 30.6

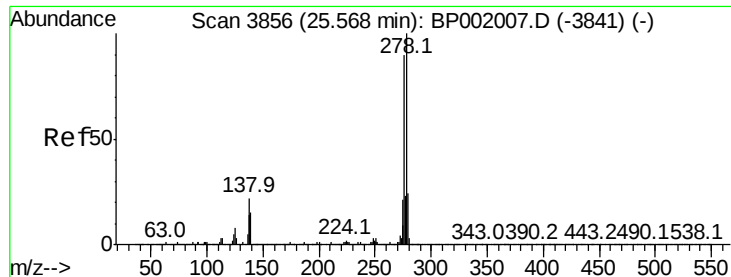


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.609 ng/ul

RT: 25.59 min Scan# 3859

Delta R.T. 0.02 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

Instrument :

BNA_P

ClientSampleId :

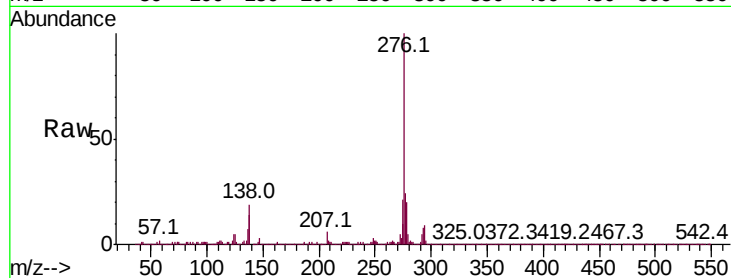
Tot Ion:278 Resp: 419101

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

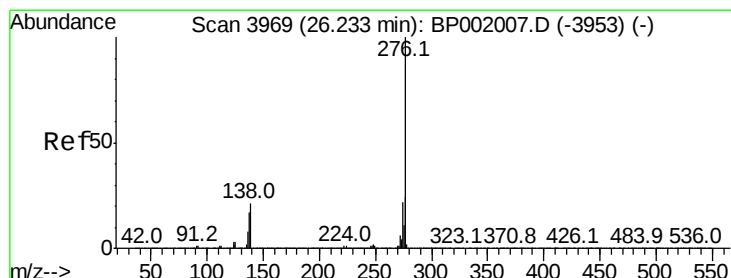
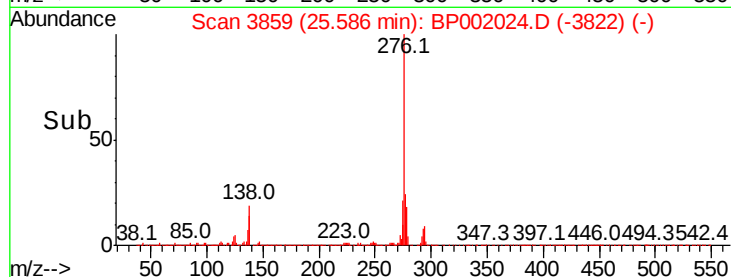
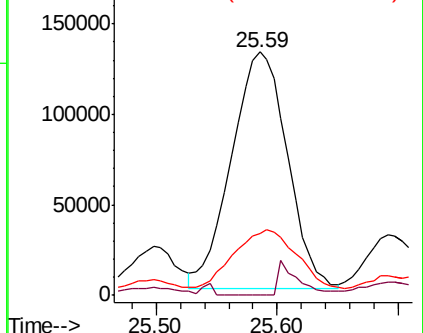
279 25.5 19.1 28.7



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



#94

Benzo(g,h,i)perylene

Concen: 11.153 ng/ul

RT: 26.26 min Scan# 3974

Delta R.T. 0.03 min

Lab File: BP002024.D

Acq: 03 Mar 2020 16:11

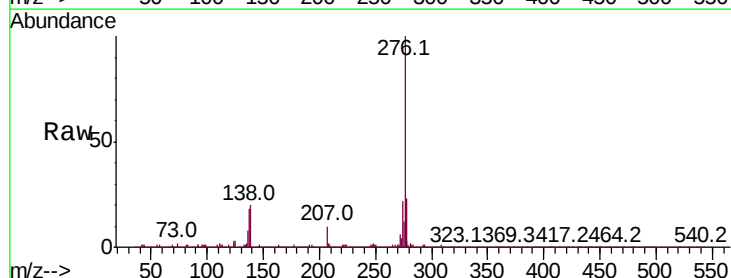
Tgt Ion:276 Resp: 1322464

Ion Ratio Lower Upper

276 100

138 19.6 16.2 24.2

277 23.4 18.1 27.1



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

