

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121320\
 Data File : BP004258.D
 Acq On : 12 Dec 2020 14:35
 Operator : CG/JU
 Sample : L5000-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1

Quant Time: Dec 14 01:01:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 10 13:52:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	340319	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1372242	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	852077	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.25	188	1856330	20.00	ng/ul	0.01
78) Chrysene-d12	21.33	240	1839489	20.00	ng/ul	0.01
86) Perylene-d12	23.70	264	2135200	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	16601	1.71	ng/uL	0.00
5) Phenol-d5	7.00	99	359062	12.75	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.16	67	193840	11.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	295793	13.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	277656	13.05	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	140012	12.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	147293	15.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	294901	14.47	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	290267	11.49	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	862530	13.24	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1124575	13.53	ng/ul	0.01
52) 4-Nitrophenol-d4	14.67	143	130642	11.88	ng/ul	0.02
58) Fluorene-d10	15.48	176	770632	13.07	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	16626	1.87	ng/ul	0.02
71) Anthracene-d10	17.34	188	1229579	13.59	ng/ul	0.00
79) Pyrene-d10	19.58	212	1403978	14.65	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.54	264	1585080	14.09	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.68	128	401771	5.165	ng/ul 99
34) 2-Methylnaphthalene	12.30	142	144868	2.768	ng/ul 95
35) 1-Methylnaphthalene	12.52	142	95160	1.566	ng/ul 99
45) Dimethylphthalate	13.93	163	231742	3.494	ng/ul 100
50) Acenaphthene	14.55	153	318313	5.450	ng/ul 99
54) Dibenzofuran	14.88	168	497236	6.042	ng/ul 99
59) Fluorene	15.53	166	416392	6.326	ng/ul 98
70) Phenanthrene	17.29	178	6373287	58.195	ng/ul 98
72) Anthracene	17.37	178	1360599	12.557	ng/ul 100
75) Carbazole	17.65	167	760871	8.629	ng/ul 99
77) Fluoranthene	19.26	202	8227110	70.354	ng/ul 97
80) Pyrene	19.61	202	6966817	56.146	ng/ul 97
83) Benzo(a)anthracene	21.32	228	3558354	29.347	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.25	149	56014	1.010	ng/ul# 67
85) Chrysene	21.37	228	3838533	32.270	ng/ul 96
88) Benzo(b)fluoranthene	22.98	252	4840596	35.748	ng/ul 98
89) Benzo(k)fluoranthene	22.98	252	4840596	34.809	ng/ul 97
91) Benzo(a)pyrene	23.59	252	3412984	27.011	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.12	276	2509662	15.838	ng/ul 94
93) Dibenz(a,h)anthracene	26.13	278	608784	4.584	ng/ul# 85
94) Benzo(a,h,i)perylene	26.87	276	1892484	14.235	ng/ul 94

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

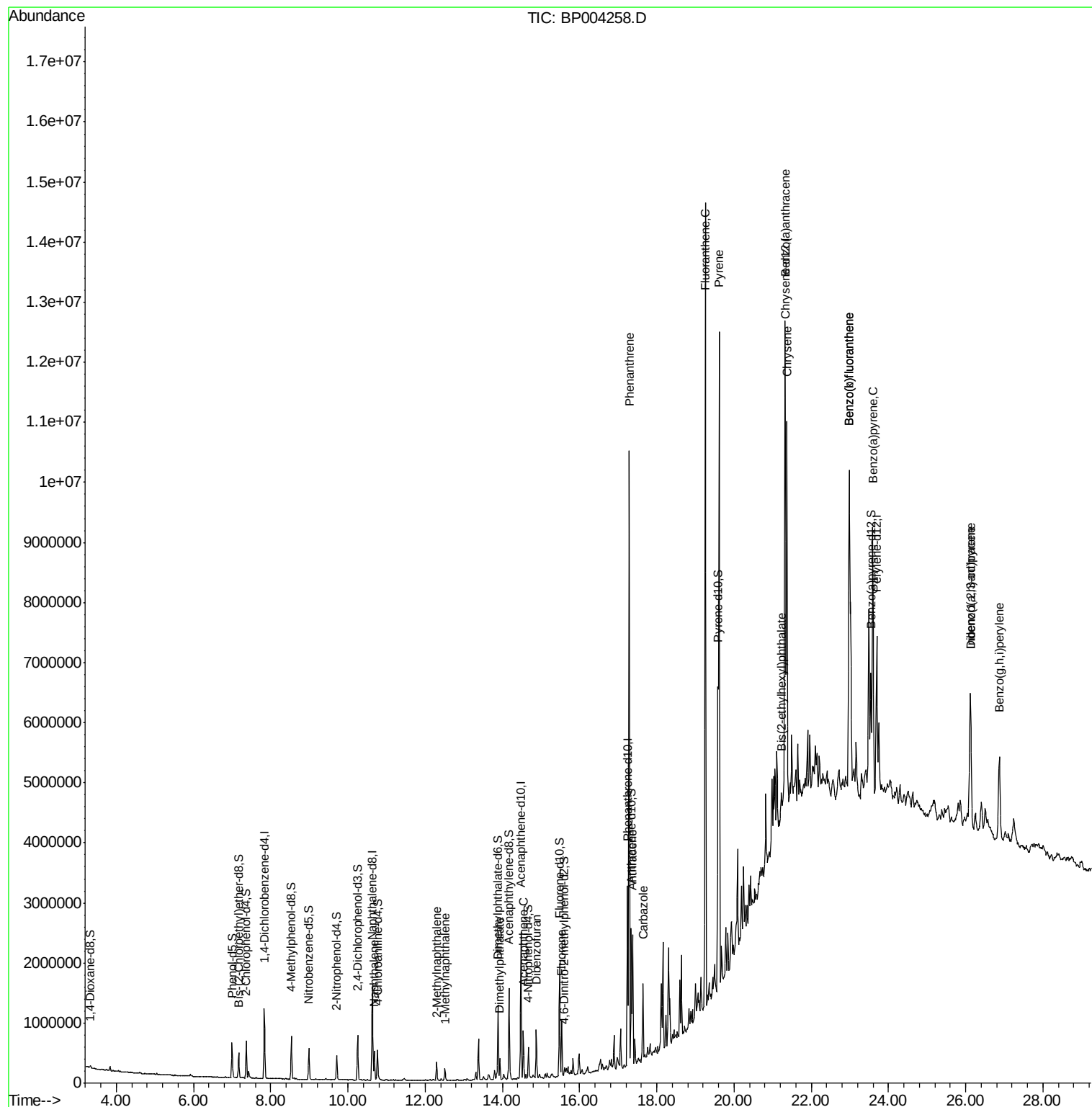
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

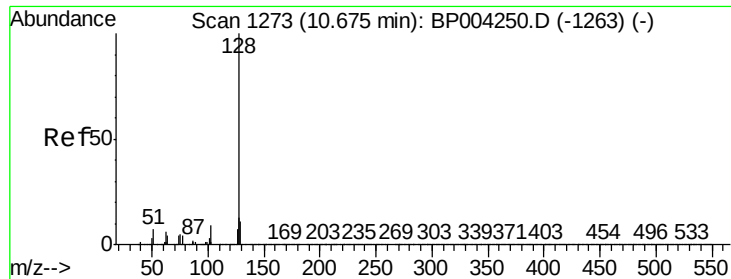
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration

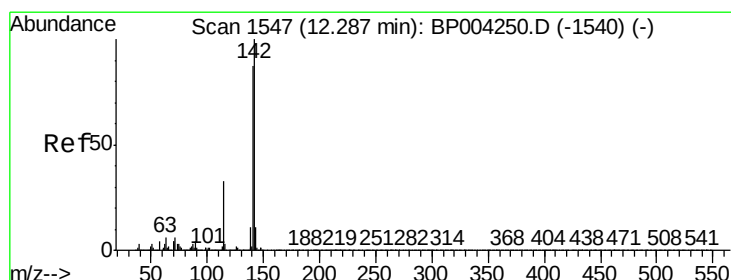
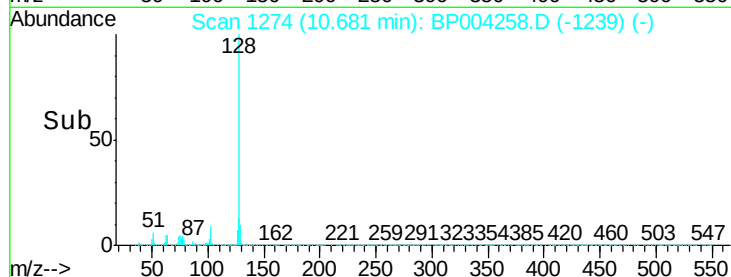
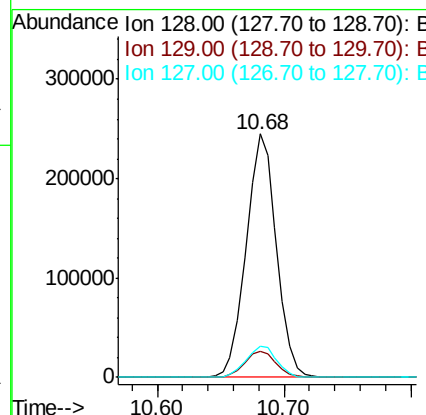
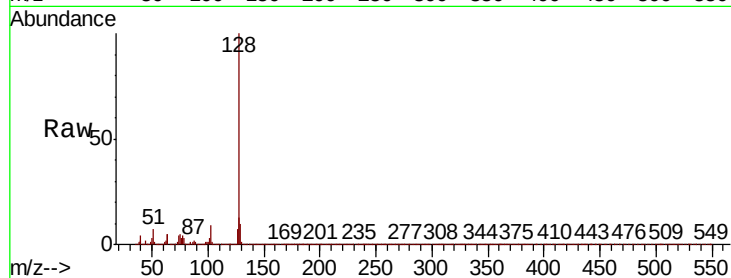




#28
Naphthalene
Concen: 5.165 ng/ul
RT: 10.68 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BP004258.D
Acq: 12 Dec 2020 14:35

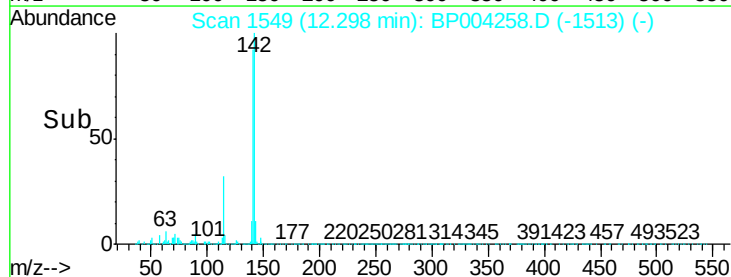
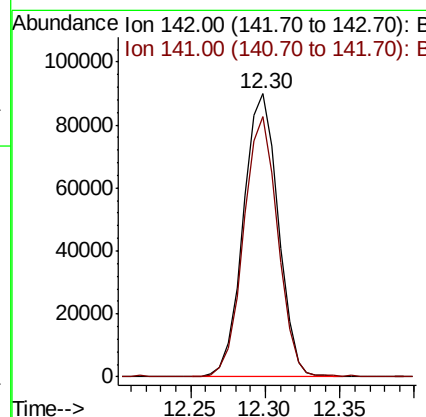
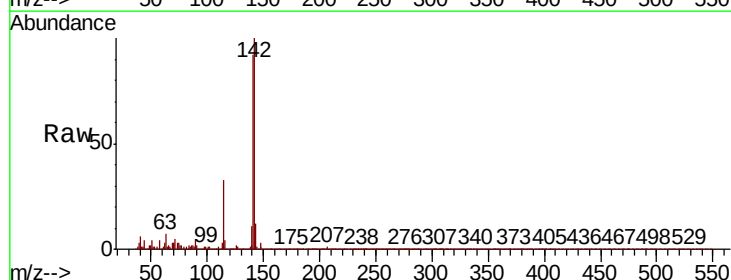
Instrument :
BNA_P
ClientSampleId :
A54A1

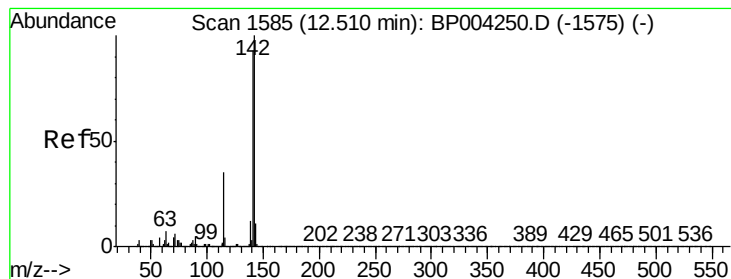
Tot Ion:128 Resp: 401771
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.8 10.6 16.0



#34
2-Methylnaphthalene
Concen: 2.768 ng/ul
RT: 12.30 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BP004258.D
Acq: 12 Dec 2020 14:35

Tgt Ion:142 Resp: 144868
Ion Ratio Lower Upper
142 100
141 91.9 69.7 104.5





#35

1-Methylnaphthalene

Concen: 1.566 ng/ul

RT: 12.52 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

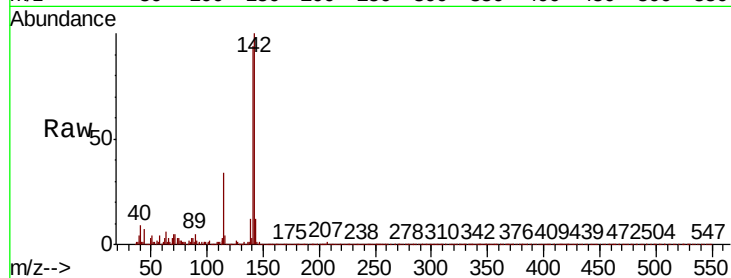
BNA_P

ClientSampleId :

A54A1

Tot Ion:142 Resp: 95160

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.8	110.8
116	4.0	2.8	4.2

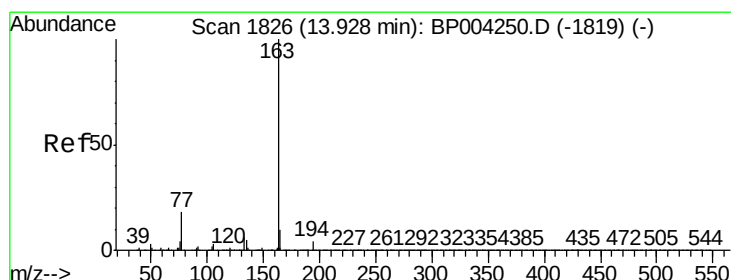
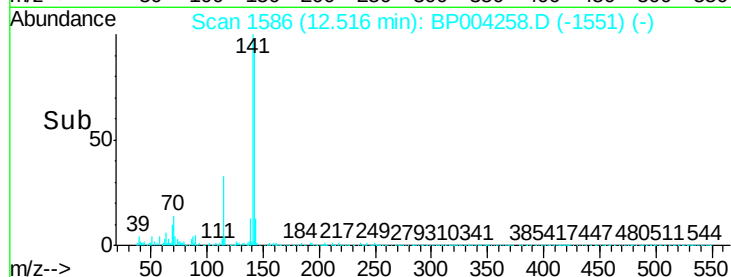
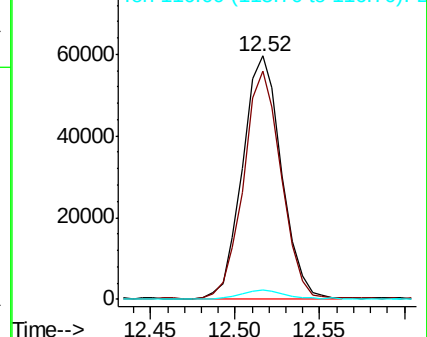


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 3.494 ng/ul

RT: 13.93 min Scan# 1827

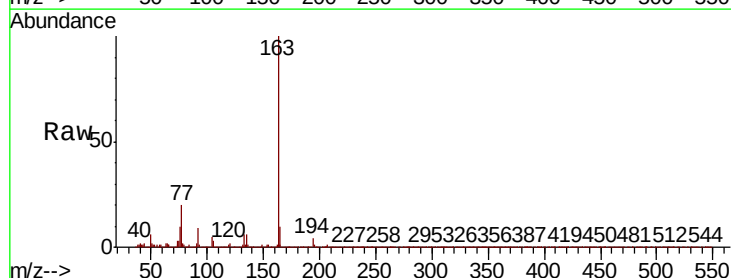
Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Tgt Ion:163 Resp: 231742

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.5	8.4	12.6

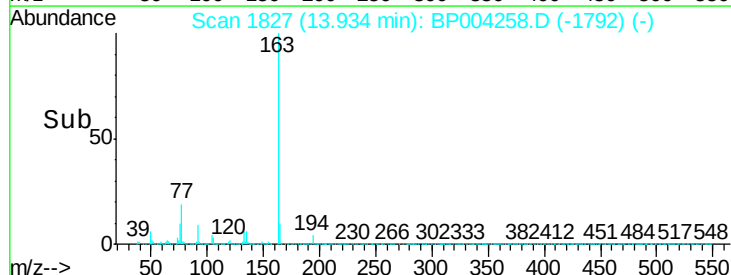
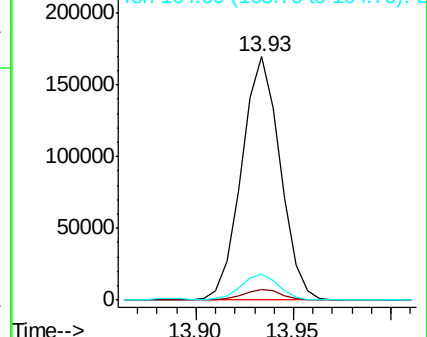


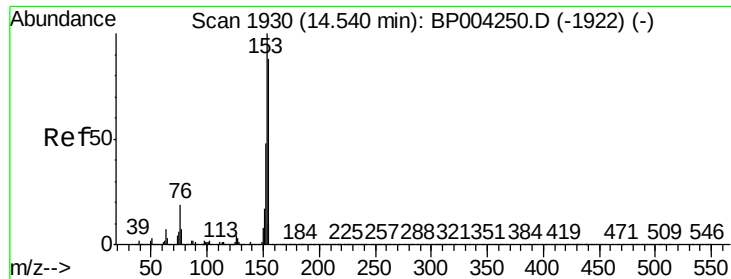
Abundance

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





#50

Acenaphthene

Concen: 5.450 ng/ul

RT: 14.55 min Scan# 1931

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

BNA_P

ClientSampleId :

A54A1

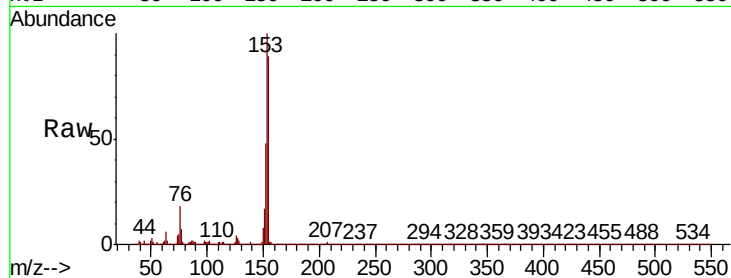
Tot Ion:153 Resp: 318313

Ion Ratio Lower Upper

153 100

152 48.2 37.8 56.6

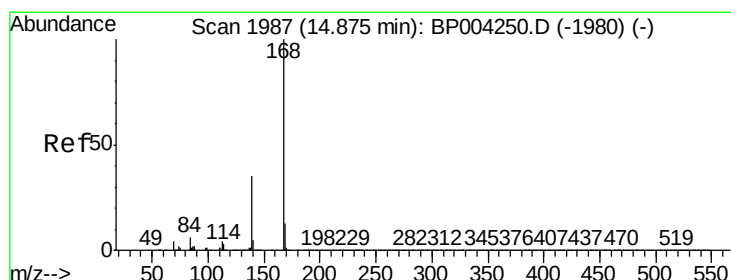
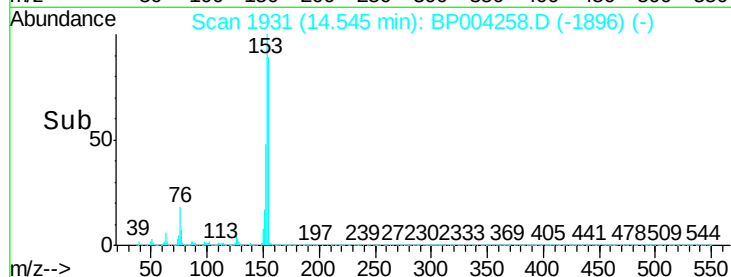
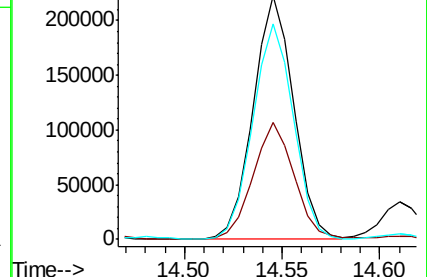
154 88.6 69.8 104.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 6.042 ng/ul

RT: 14.88 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BP004258.D

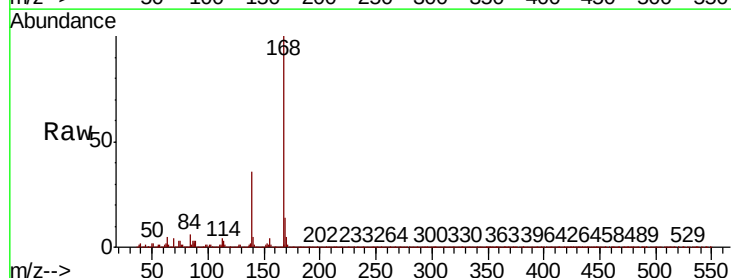
Acq: 12 Dec 2020 14:35

Tgt Ion:168 Resp: 497236

Ion Ratio Lower Upper

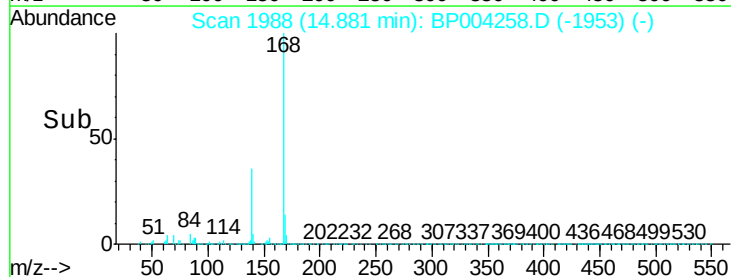
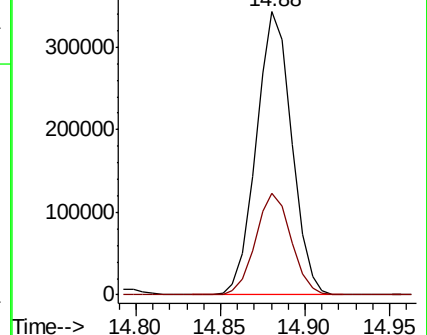
168 100

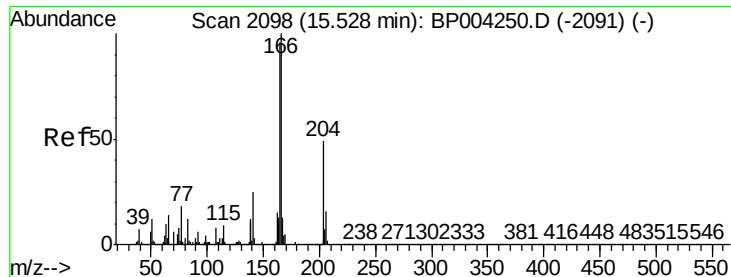
139 35.7 29.0 43.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 6.326 ng/ul

RT: 15.53 min Scan# 2099

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

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ClientSampleId :

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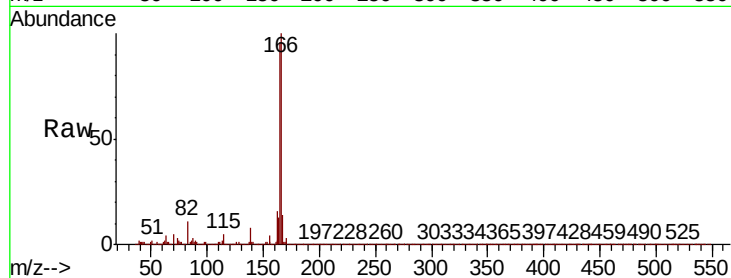
Tot Ion:166 Resp: 416392

Ion Ratio Lower Upper

166 100

165 96.1 78.2 117.2

167 14.0 10.8 16.2

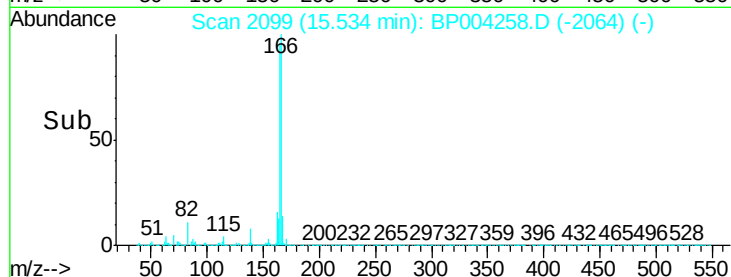


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



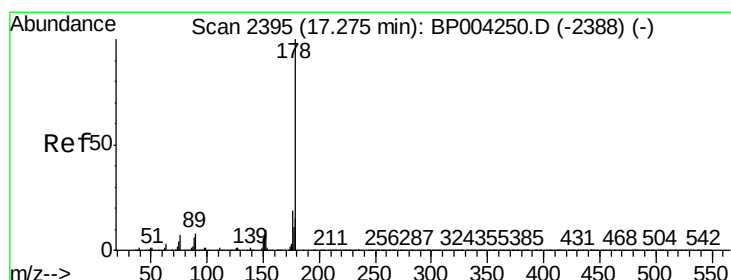
Abundance

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

Time-->



#70

Phenanthrene

Concen: 58.195 ng/ul

RT: 17.29 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

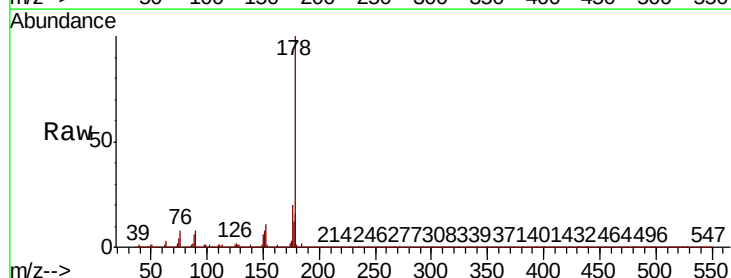
Tgt Ion:178 Resp: 6373287

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

176 20.0 15.4 23.0

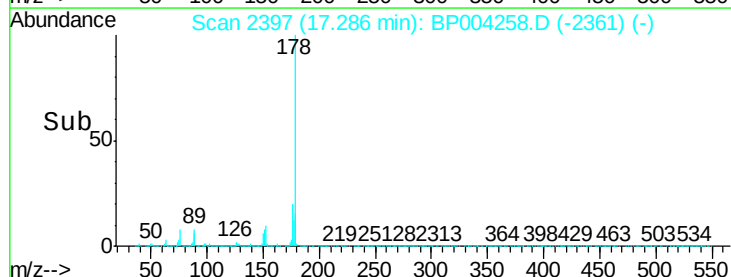


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->



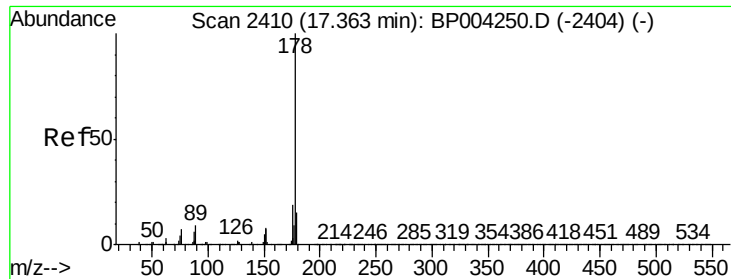
Abundance

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

Time-->



#72

Anthracene

Concen: 12.557 ng/ul

RT: 17.37 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

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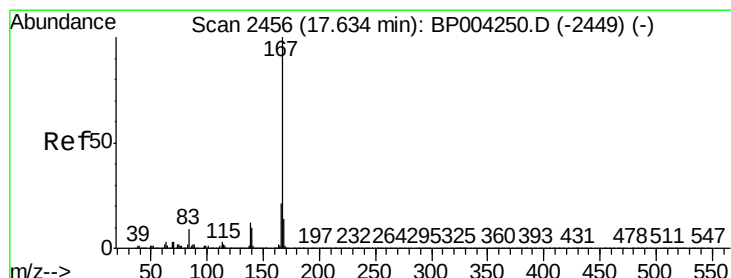
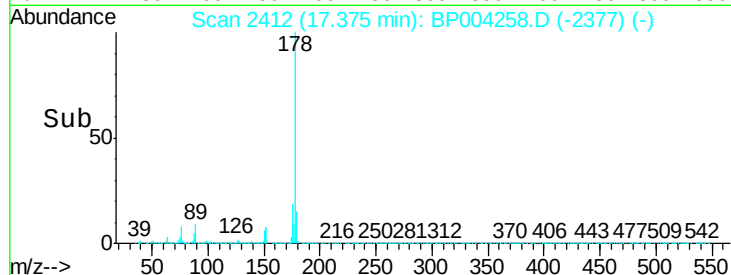
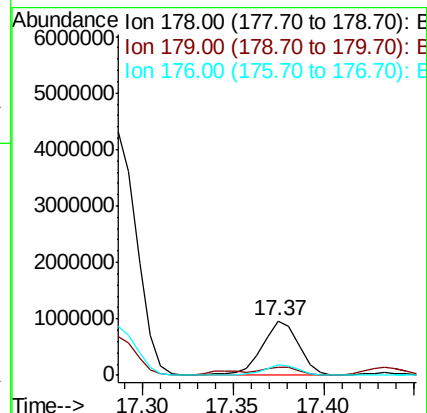
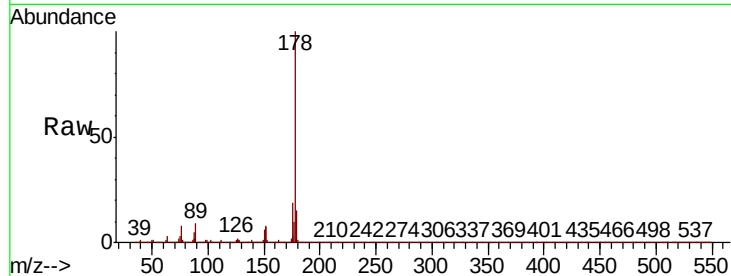
Tot Ion:178 Resp: 1360599

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.7	14.9	22.3

178 100

179 15.2 12.3 18.5

176 18.7 14.9 22.3



#75

Carbazole

Concen: 8.629 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

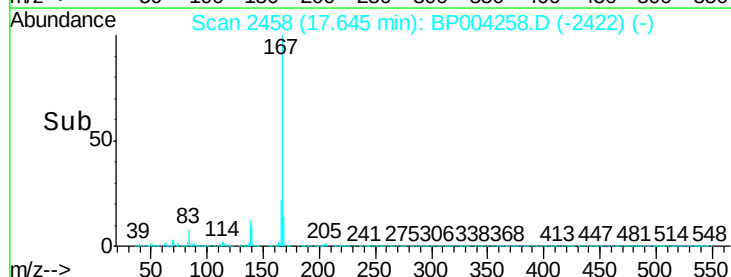
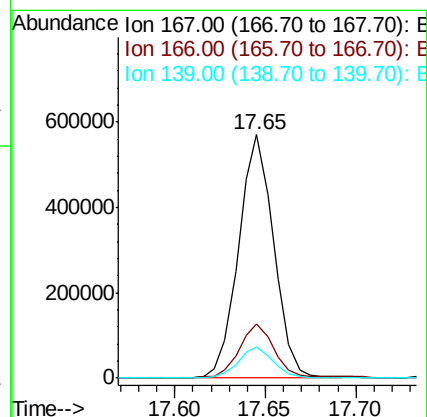
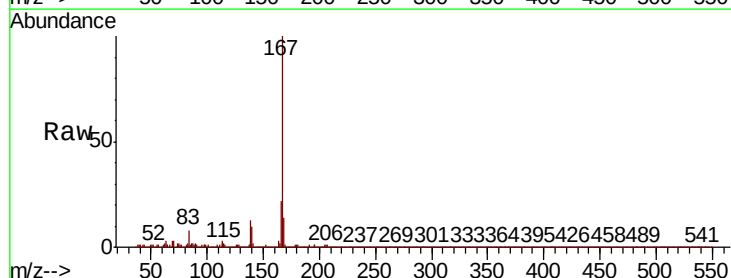
Tgt Ion:167 Resp: 760871

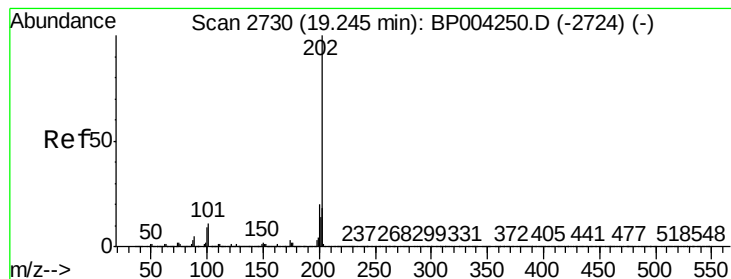
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	12.8	9.8	14.6

167 100

166 22.1 17.1 25.7

139 12.8 9.8 14.6





#77

Fluoranthene

Concen: 70.354 ng/ul

RT: 19.26 min Scan# 2732

Delta R.T. 0.01 min

Lab File: BP004258.D

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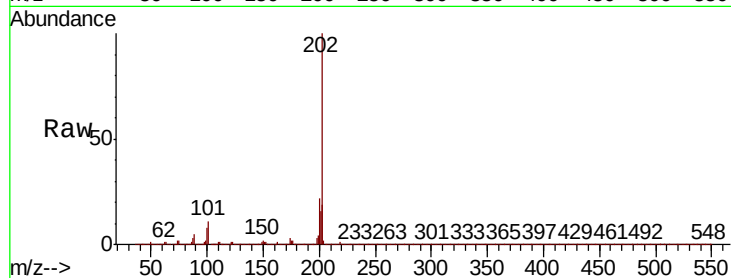
Tot Ion:202 Resp: 8227110

Ion Ratio Lower Upper

202 100

101 10.5 9.1 13.7

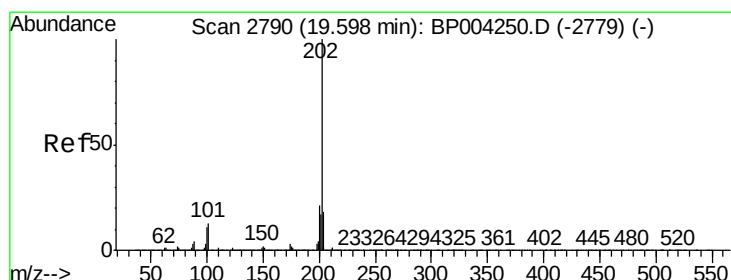
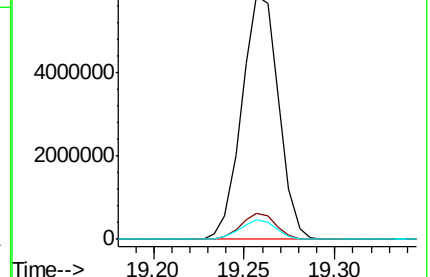
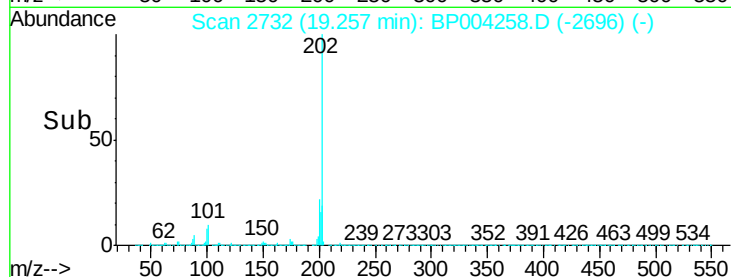
100 7.8 7.1 10.7



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): B



#80

Pyrene

Concen: 56.146 ng/ul

RT: 19.61 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

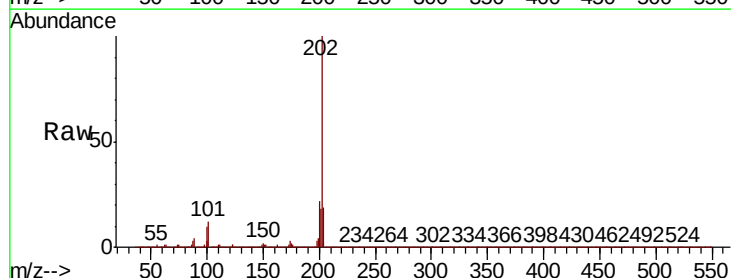
Tgt Ion:202 Resp: 6966817

Ion Ratio Lower Upper

202 100

101 12.0 10.6 15.8

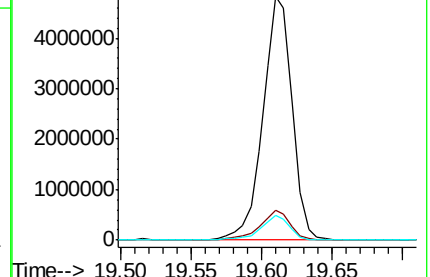
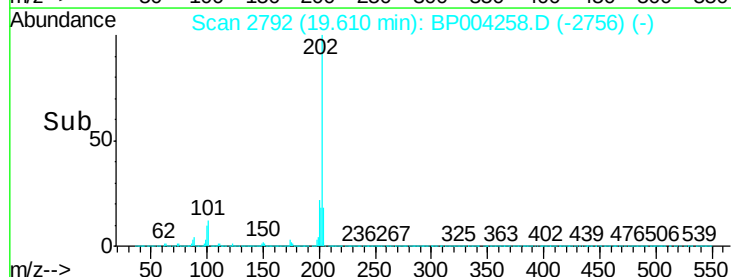
100 9.9 8.6 12.8

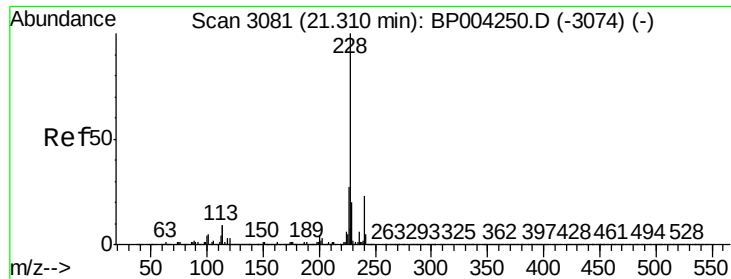


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 29.347 ng/ul

RT: 21.32 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

BNA_P

ClientSampleId :

A54A1

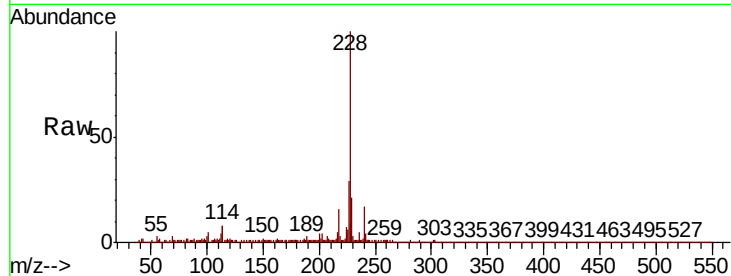
Tot Ion:228 Resp: 3558354

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.8

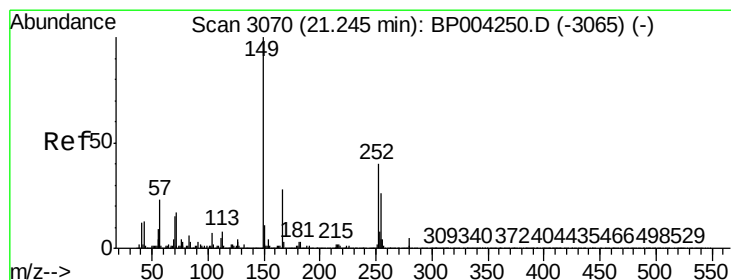
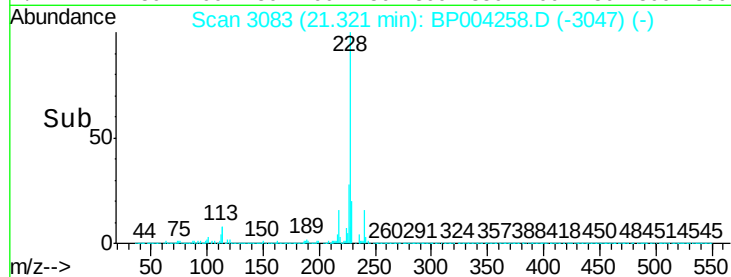
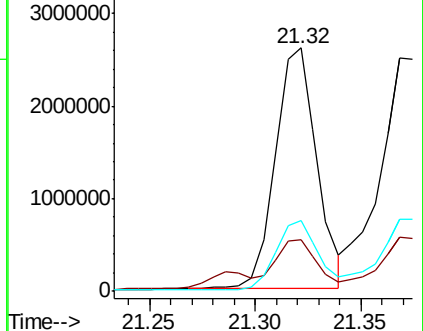
226 28.8 21.7 32.5



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: 1.010 ng/ul

RT: 21.25 min Scan# 3070

Delta R.T. -0.00 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

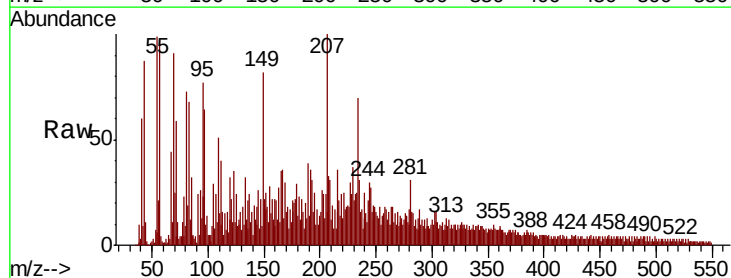
Tgt Ion:149 Resp: 56014

Ion Ratio Lower Upper

149 100

167 43.5 22.2 33.4#

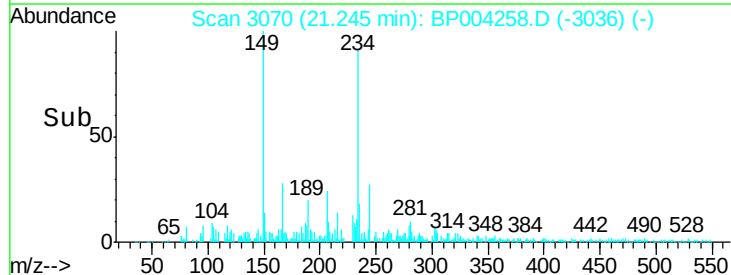
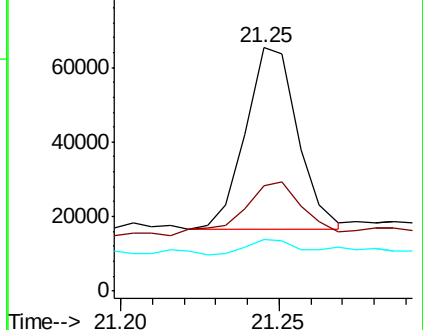
279 21.0 3.6 5.4#

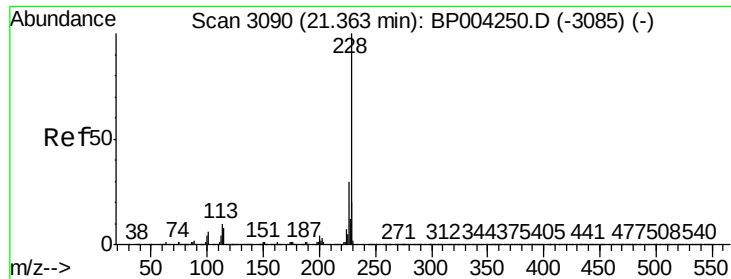


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

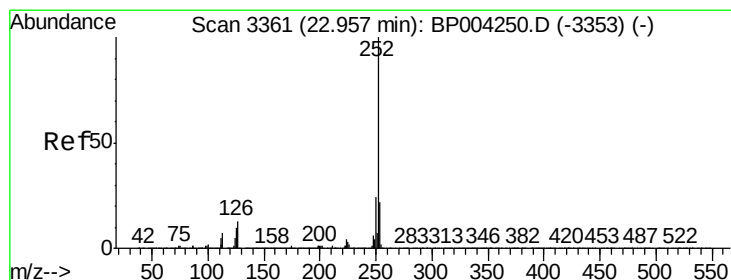
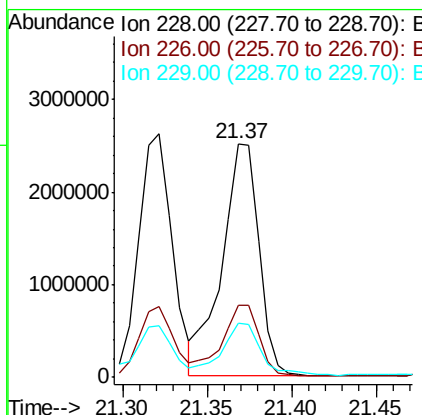
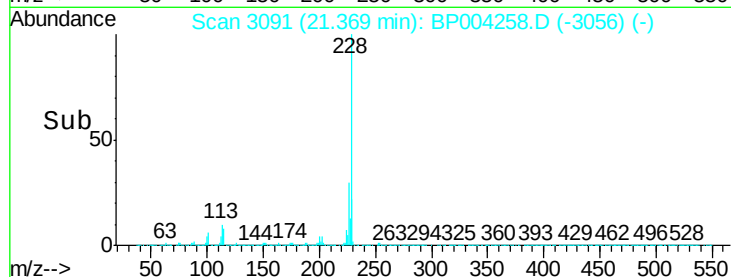
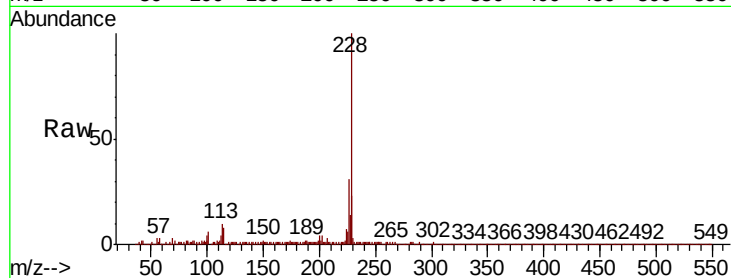




#85
 Chrysene
 Concen: 32.270 ng/ul
 RT: 21.37 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BP004258.D
 Acq: 12 Dec 2020 14:35

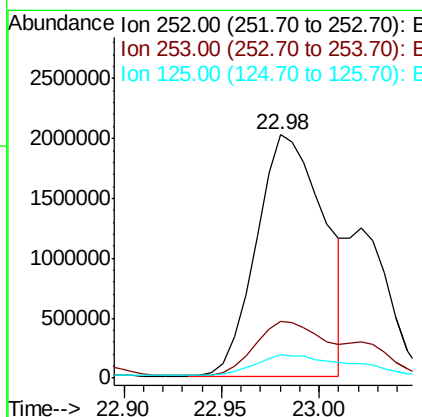
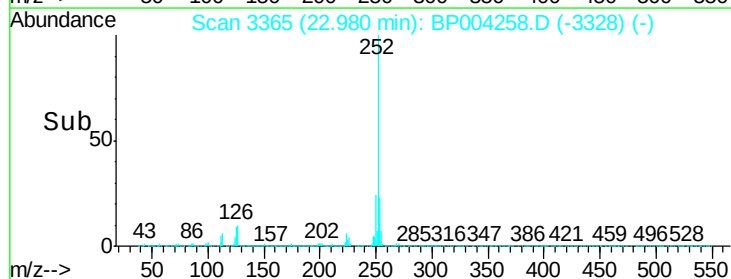
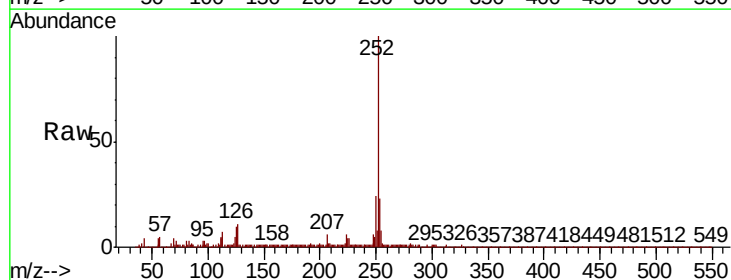
Instrument :
 BNA_P
 ClientSampleId :
 A54A1

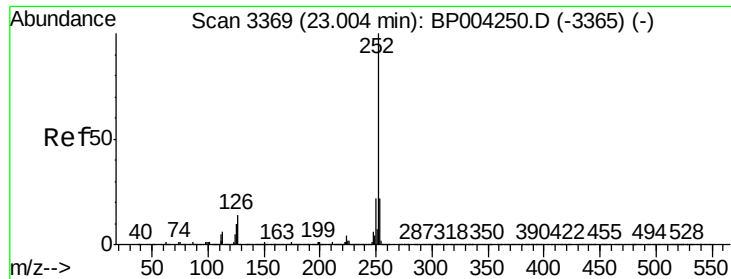
Tot Ion:228 Resp: 3838533
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.2 36.2
 229 23.2 15.8 23.8



#88
 Benzo(b)fluoranthene
 Concen: 35.748 ng/ul
 RT: 22.98 min Scan# 3365
 Delta R.T. 0.02 min
 Lab File: BP004258.D
 Acq: 12 Dec 2020 14:35

Tgt Ion:252 Resp: 4840596
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.6 26.4
 125 9.7 7.7 11.5





#89

Benzo(k)fluoranthene

Concen: 34.809 ng/ul

RT: 22.98 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

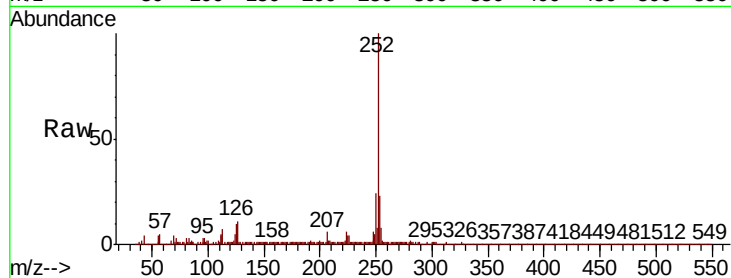
BNA_P

ClientSampleId :

A54A1

Tot Ion:252 Resp: 4840596

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	9.7	7.3	10.9

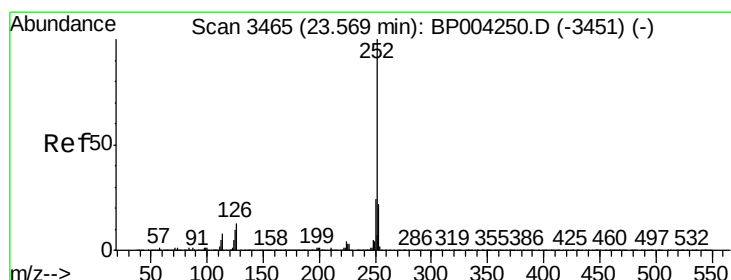
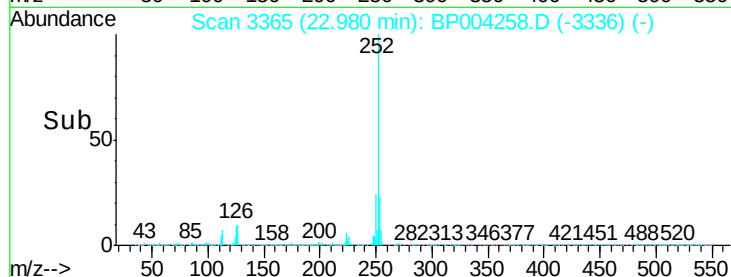
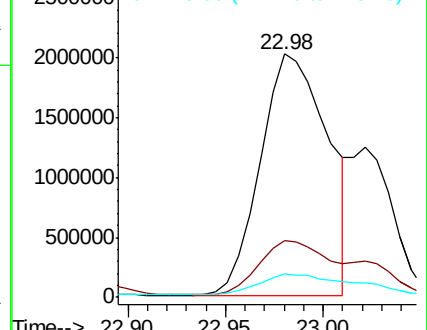


Abundance

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



#91

Benzo(a)pyrene

Concen: 27.011 ng/ul

RT: 23.59 min Scan# 3469

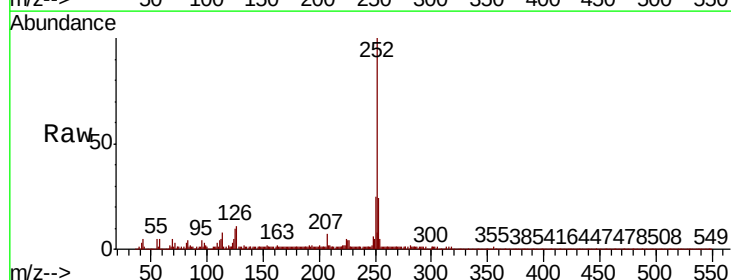
Delta R.T. 0.02 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Tgt Ion:252 Resp: 3412984

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	10.0	7.8	11.6

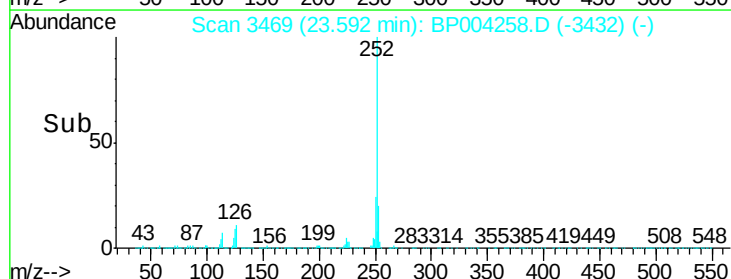
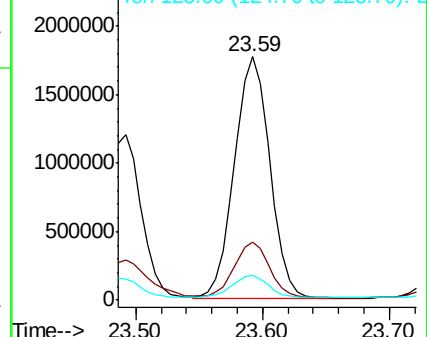


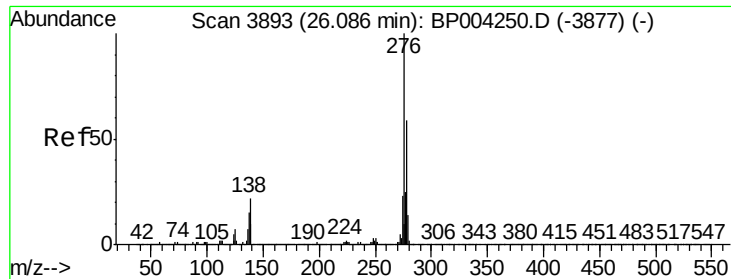
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



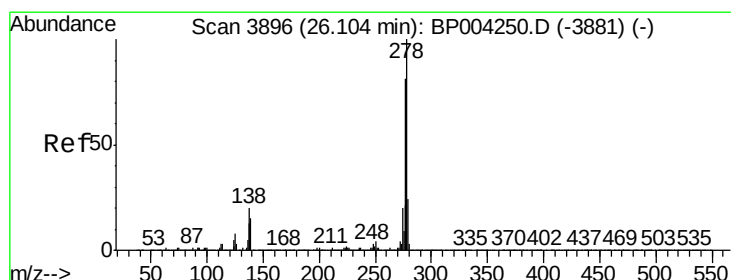
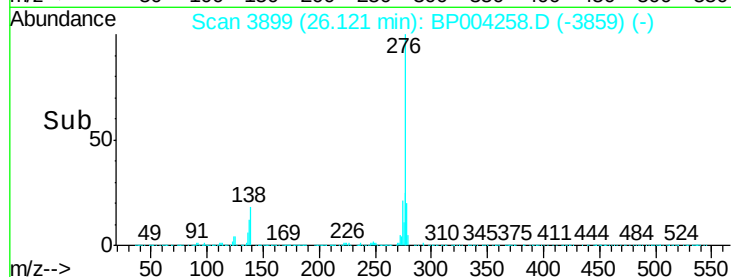
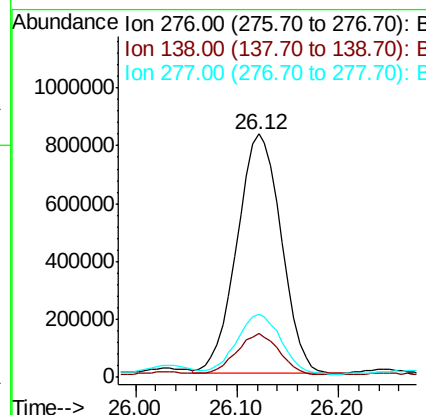
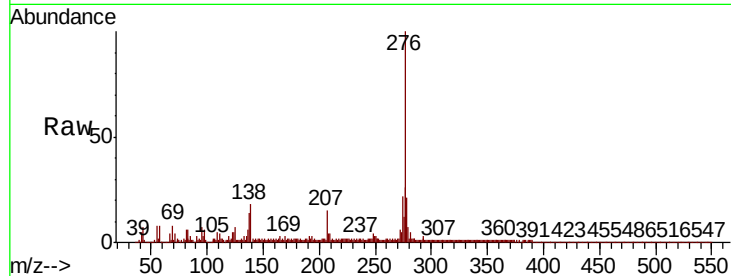


#92

Indeno(1,2,3-cd)pyrene
Concen: 15.838 ng/ul
RT: 26.12 min Scan# 3899
Delta R.T. 0.04 min
Lab File: BP004258.D
Acq: 12 Dec 2020 14:35

Instrument :
BNA_P
ClientSampleId :
A54A1

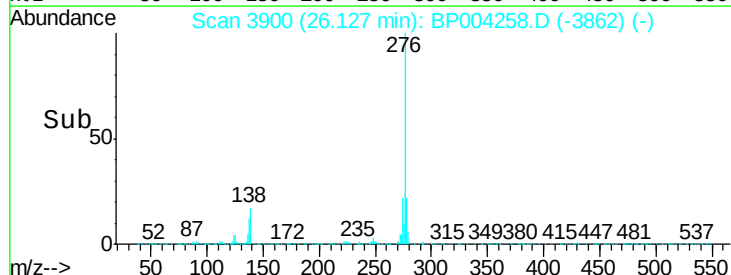
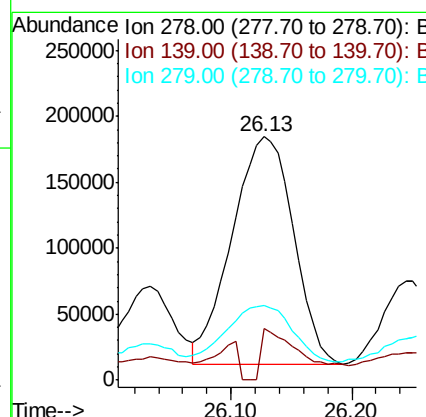
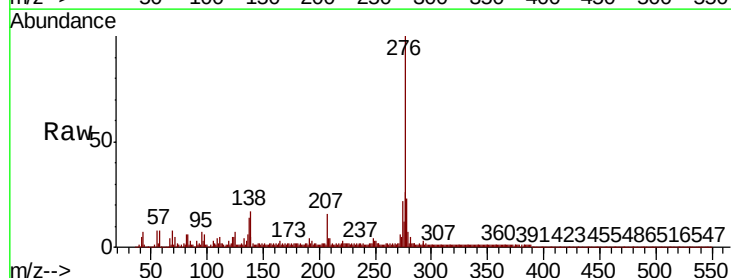
Tot Ion:276 Resp: 2509662
Ion Ratio Lower Upper
276 100
138 17.9 17.8 26.6
277 26.1 19.8 29.6

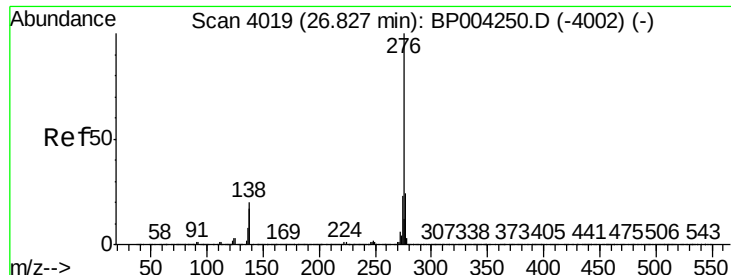


#93

Dibenzo(a,h)anthracene
Concen: 4.584 ng/ul
RT: 26.13 min Scan# 3900
Delta R.T. 0.02 min
Lab File: BP004258.D
Acq: 12 Dec 2020 14:35

Tgt Ion:278 Resp: 608784
Ion Ratio Lower Upper
278 100
139 21.4 11.9 17.9#
279 30.4 18.6 28.0#





#94

Benzo(a,h,i)perylene

Concen: 14.235 ng/ul

RT: 26.87 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BP004258.D

Acq: 12 Dec 2020 14:35

Instrument :

BNA_P

ClientSampleId :

A54A1

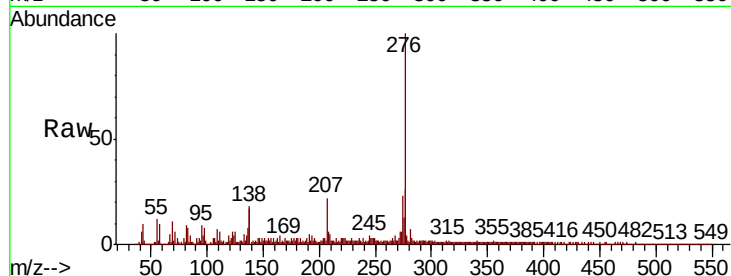
Tot Ion:276 Resp: 1892484

Ion Ratio Lower Upper

276 100

138 18.3 16.6 25.0

277 25.9 18.5 27.7



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

