

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000216.D
 Acq On : 12 Sep 2019 14:27
 Operator : HP/JU
 Sample : K4634-19DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:48:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	447670	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1678804	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	855632	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1516150	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	1158130	20.00	ng/ul	0.03
86) Perylene-d12	15.76	264	1188272	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	5985	0.47	ng/uL	0.02
5) Phenol-d5	6.51	99	118613	3.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	63630	3.19	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	102531	3.32	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	94377	3.29	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	44911	3.52	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	44075	3.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	85989	3.26	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	44118	1.35	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	250307	3.96	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	297779	3.81	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	24622	2.18	ng/ul	0.00
58) Fluorene-d10	10.47	176	202176	3.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	5623	0.81	ng/ul	0.01
71) Anthracene-d10	11.51	188	282479	3.85	ng/ul	0.00
79) Pyrene-d10	12.91	212	272339	3.95	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.66	264	212897	3.46	ng/ul	0.07

Target Compounds

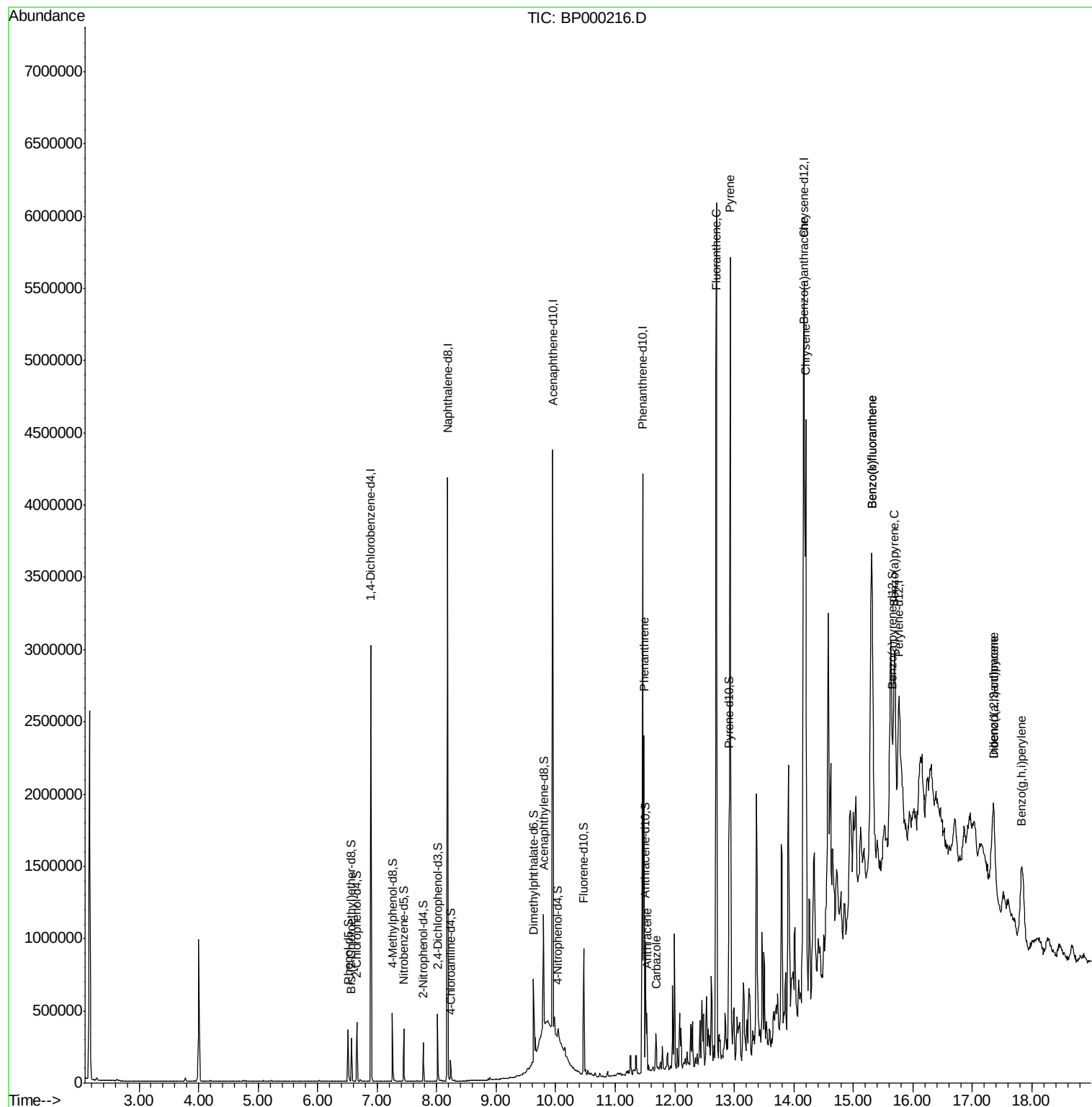
					Ovalue
70) Phenanthrene	11.48	178	876159	9.772	ng/ul 99
72) Anthracene	11.53	178	153898	1.744	ng/ul 99
75) Carbazole	11.69	167	104855	1.390	ng/ul 98
77) Fluoranthene	12.70	202	2641086	29.205	ng/ul 99
80) Pyrene	12.93	202	2681677	30.691	ng/ul 94
83) Benzo(a)anthracene	14.16	228	2135041	25.468	ng/ul 95
85) Chrysene	14.20	228	2118669	27.541	ng/ul 100
88) Benzo(b)fluoranthene	15.31	252	2723090	34.576	ng/ul 98
89) Benzo(k)fluoranthene	15.31	252	2724522	36.699	ng/ul 97
91) Benzo(a)pyrene	15.69	252	1488928	20.150	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	17.35	276	700683	8.243	ng/ul 94
93) Dibenzo(a,h)anthracene	17.36	278	238552	3.388	ng/ul# 83
94) Benzo(g,h,i)perylene	17.82	276	328463	4.634	ng/ul 98

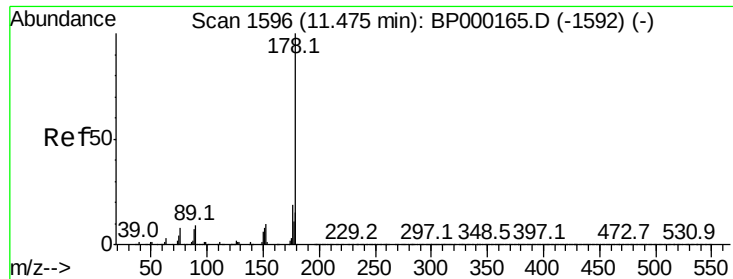
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration





#70

Phenanthrene

Concen: 9.772 ng/ul

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

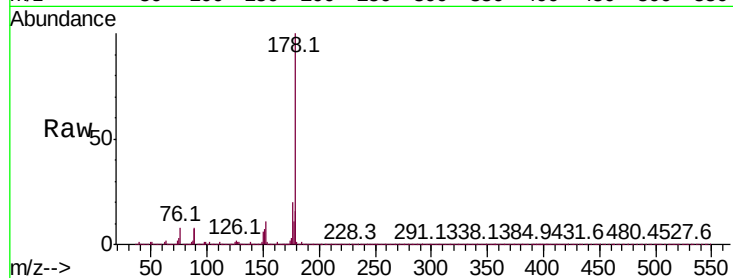
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 876159

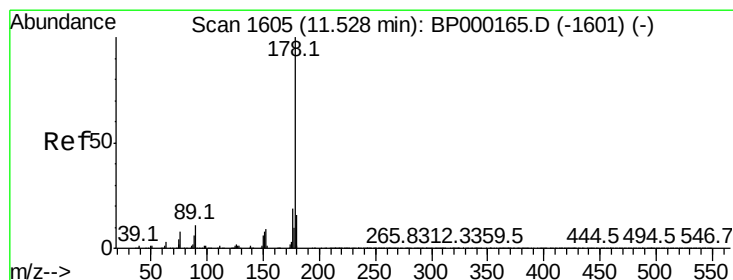
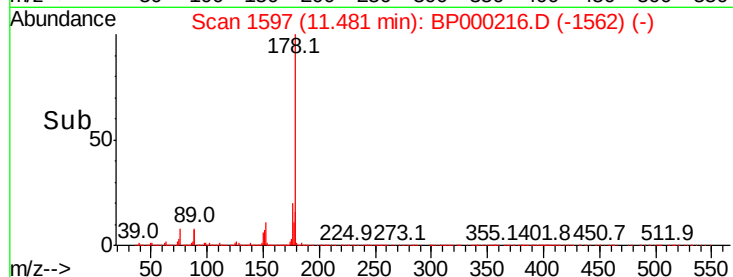
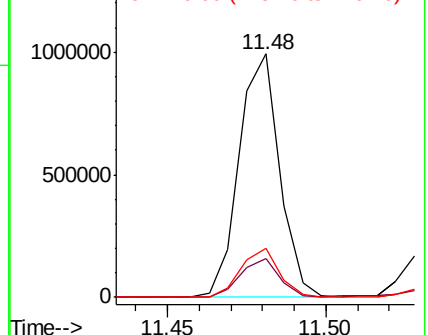
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.5	18.7
176	20.3	15.7	23.5



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: 1.744 ng/ul

RT: 11.53 min Scan# 1605

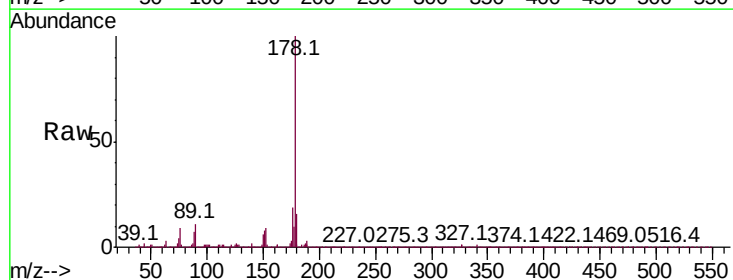
Delta R.T. 0.00 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

Tgt Ion:178 Resp: 153898

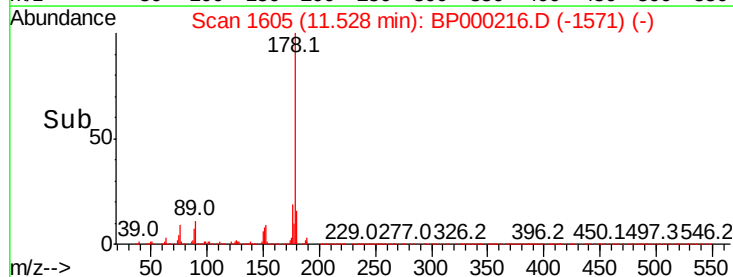
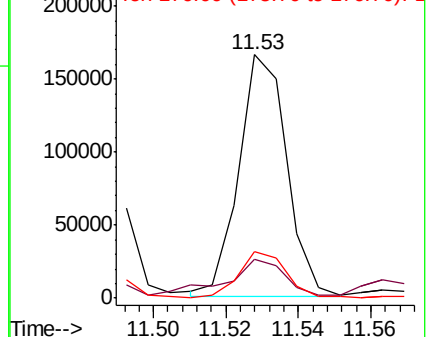
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.9	15.1	22.7

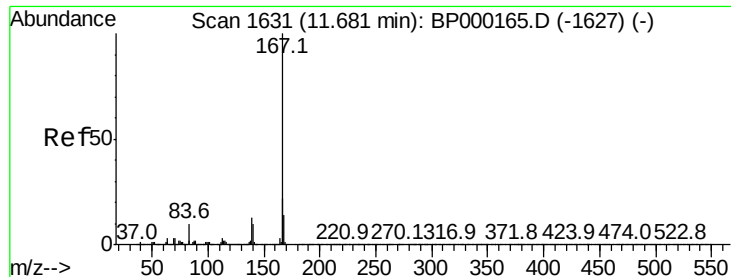


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.390 ng/ul

RT: 11.69 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

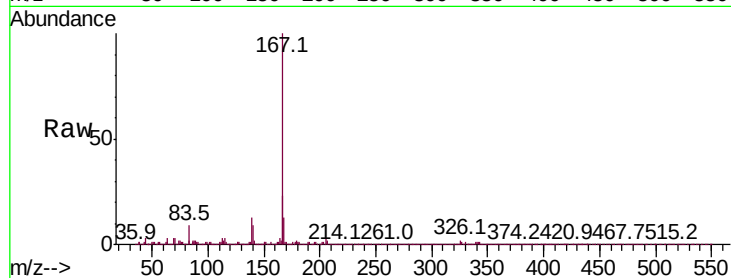
Instrument :

BNA_P

ClientSampled :

Tot Ion:167 Resp: 104855

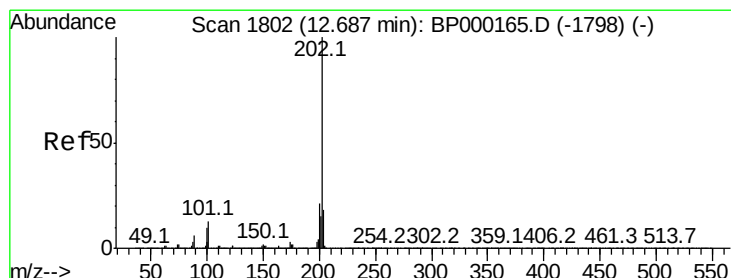
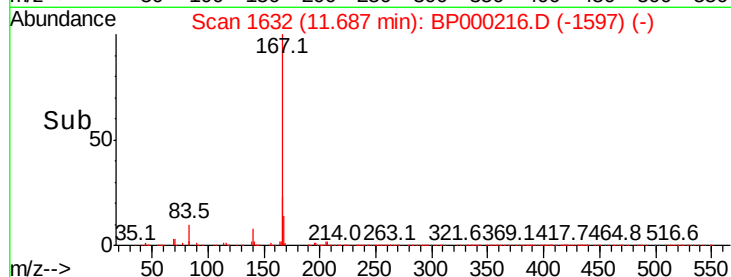
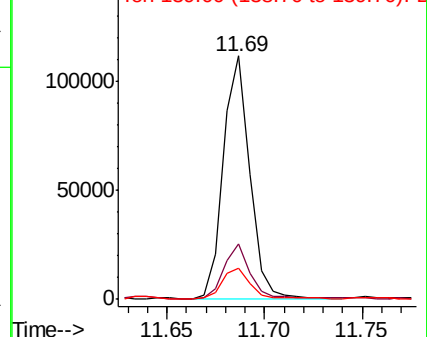
Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.3	25.9
139	12.7	10.6	15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 29.205 ng/ul

RT: 12.70 min Scan# 1804

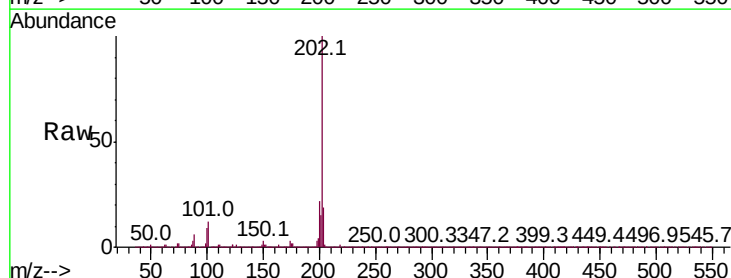
Delta R.T. 0.01 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

Tgt Ion:202 Resp: 2641086

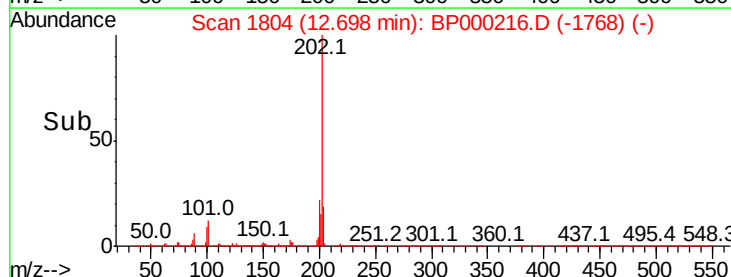
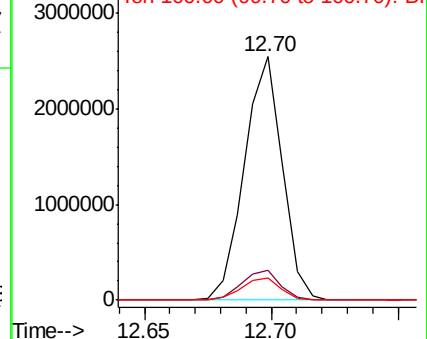
Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.0	15.0
100	8.9	7.4	11.2

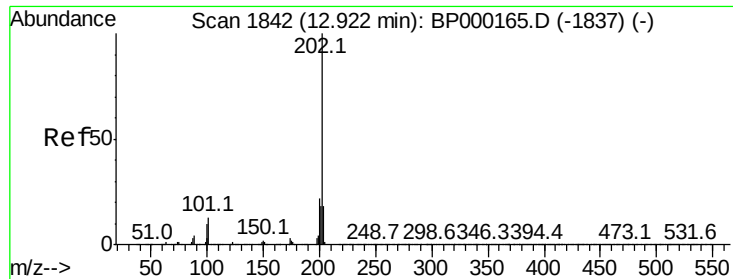


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

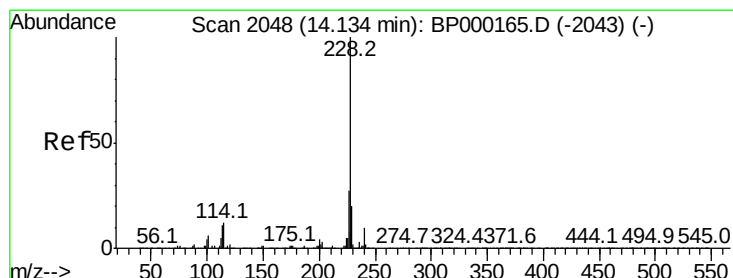
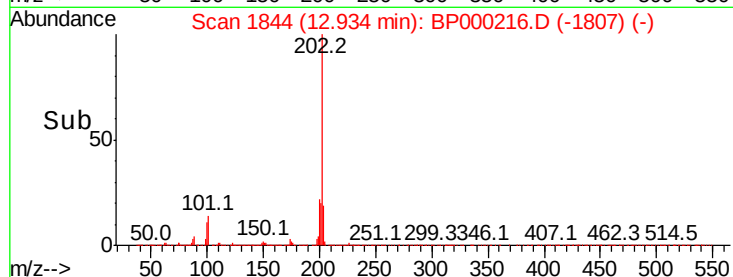
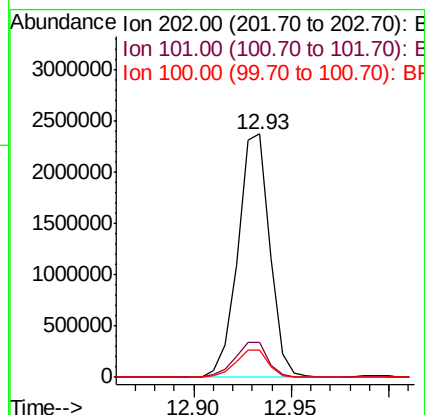
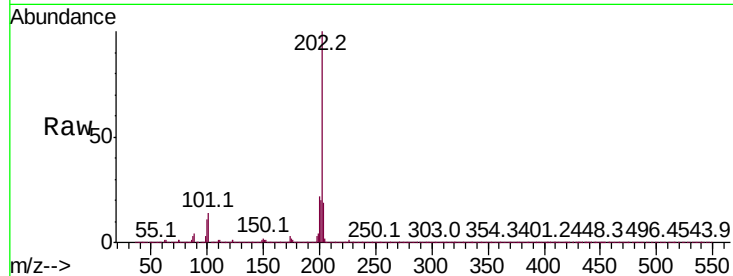




#80
Pvrene
Concen: 30.691 ng/ul
RT: 12.93 min Scan# 1844
Delta R.T. 0.02 min
Lab File: BP000216.D
Acq: 12 Sep 2019 14:27

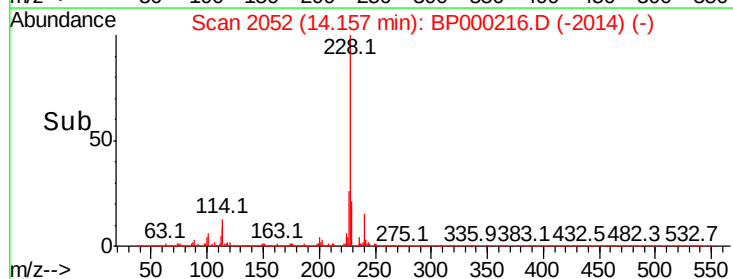
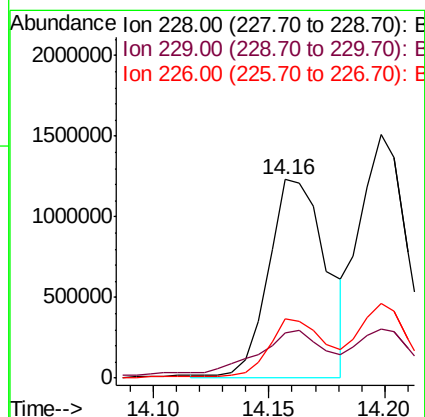
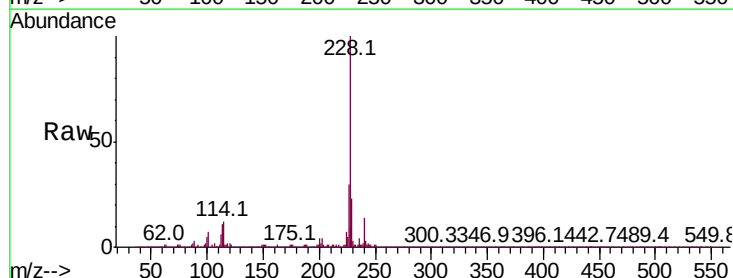
Instrument :
BNA_P
ClientSampleId :

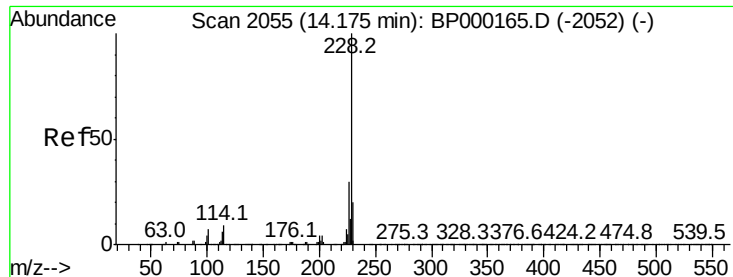
Tot Ion:202 Resp: 2681677
Ion Ratio Lower Upper
202 100
101 14.1 13.4 20.0
100 11.1 10.8 16.2



#83
Benzo(a)anthracene
Concen: 25.468 ng/ul
RT: 14.16 min Scan# 2052
Delta R.T. 0.02 min
Lab File: BP000216.D
Acq: 12 Sep 2019 14:27

Tgt Ion:228 Resp: 2135041
Ion Ratio Lower Upper
228 100
229 22.5 15.9 23.9
226 30.0 22.1 33.1



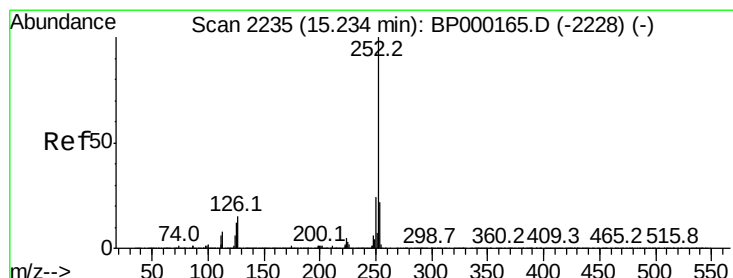
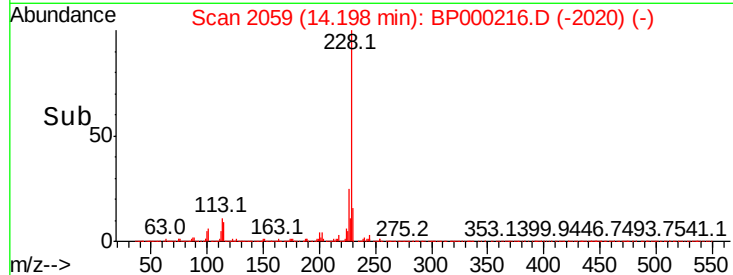
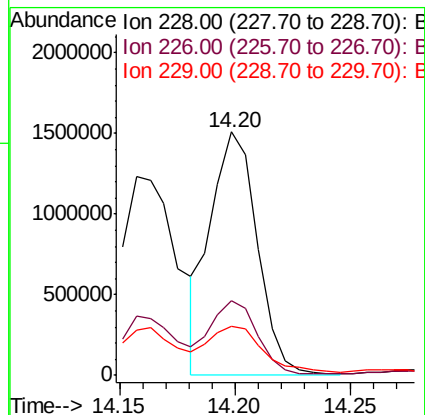
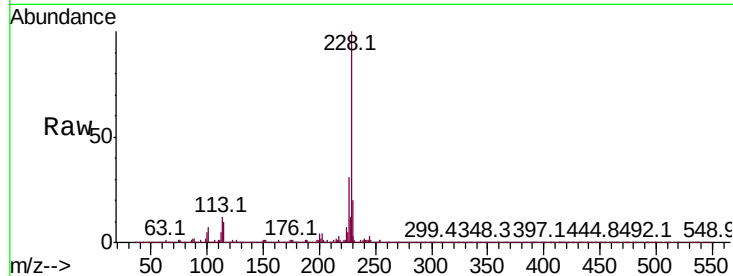


#85
 Chrysene
 Concen: 27.541 ng/ul
 RT: 14.20 min Scan# 2059
 Delta R.T. 0.03 min
 Lab File: BP000216.D
 Acq: 12 Sep 2019 14:27

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:228 Resp: 2118669

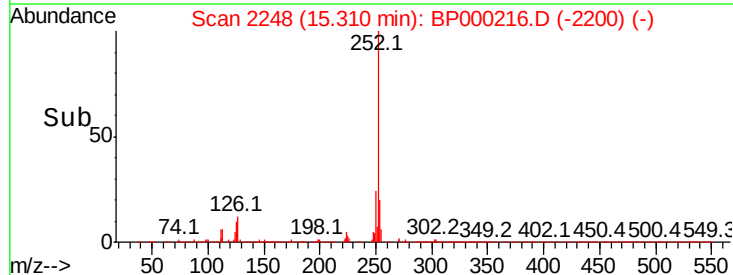
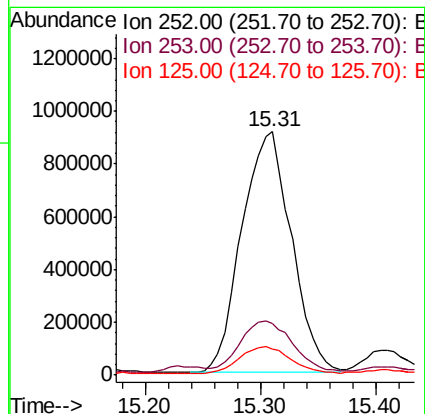
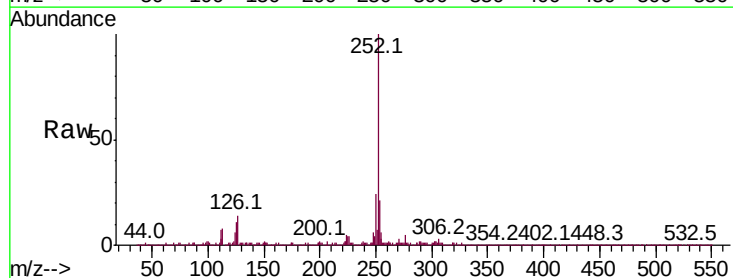
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	20.4	16.0	24.0

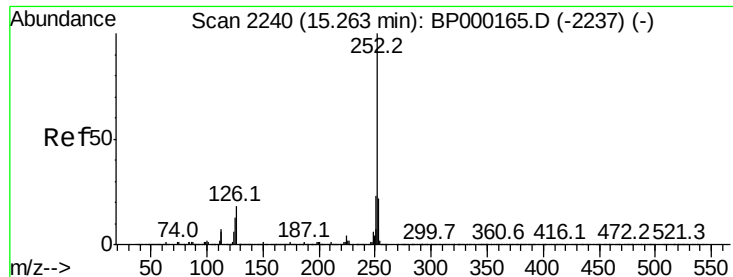


#88
 Benzo(b)fluoranthene
 Concen: 34.576 ng/ul
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.08 min
 Lab File: BP000216.D
 Acq: 12 Sep 2019 14:27

Tgt Ion:252 Resp: 2723090

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	10.9	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 36.699 ng/ul

RT: 15.31 min Scan# 2248

Delta R.T. 0.05 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

Instrument :

BNA_P

ClientSampleId :

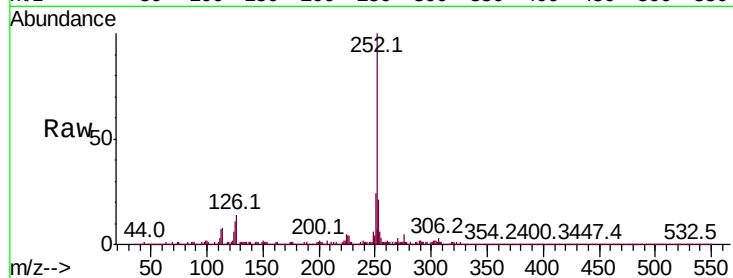
Tot Ion:252 Resp: 2724522

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

125 10.9 10.2 15.2

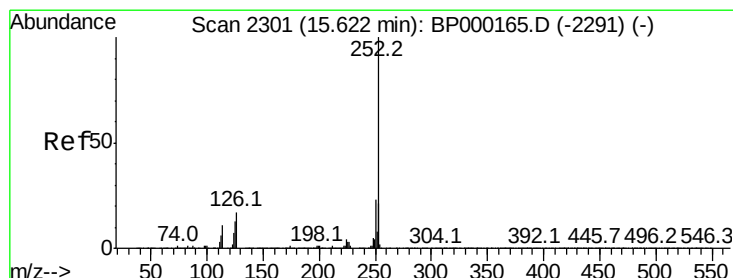
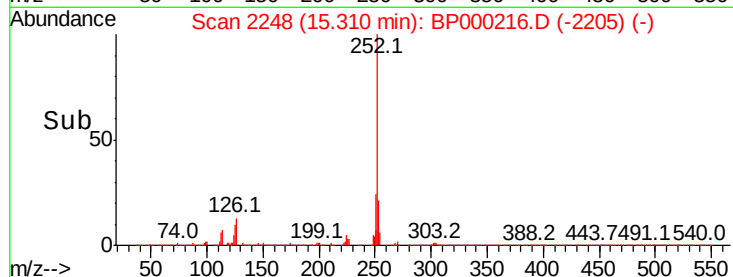
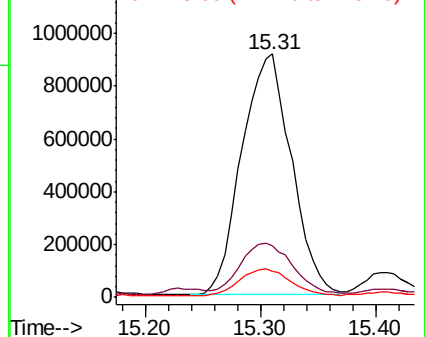


Abundance

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



#91

Benzo(a)pyrene

Concen: 20.150 ng/ul

RT: 15.69 min Scan# 2313

Delta R.T. 0.08 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

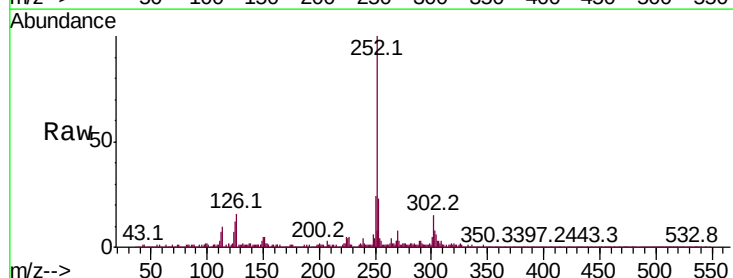
Tgt Ion:252 Resp: 1488928

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.9 10.2 15.2

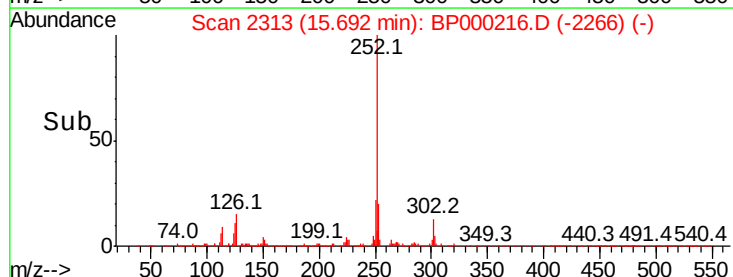
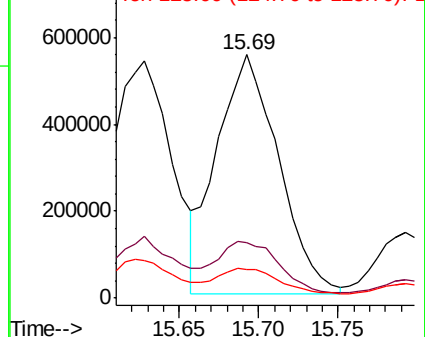


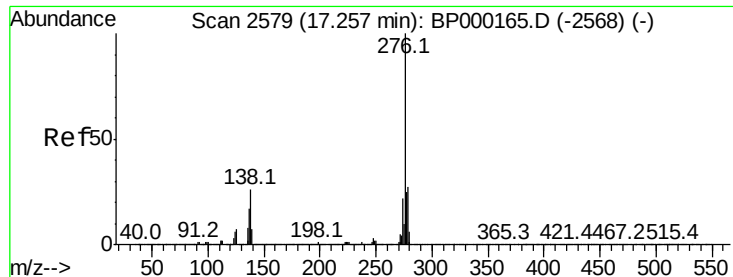
Abundance

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



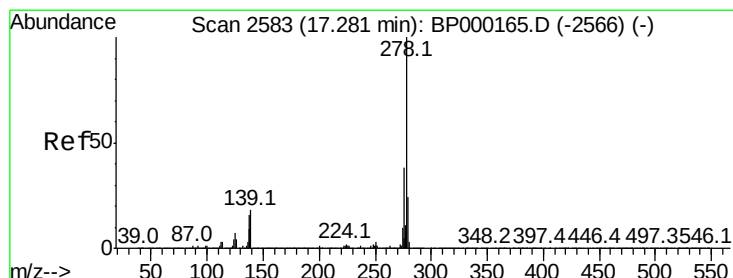
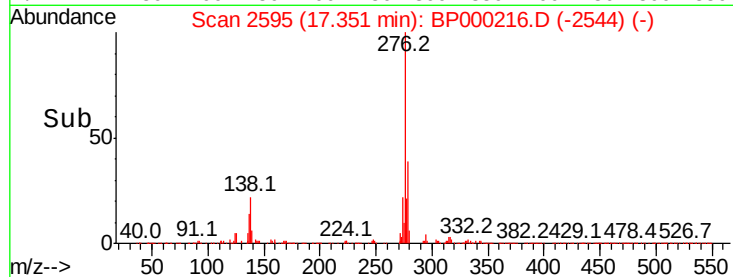
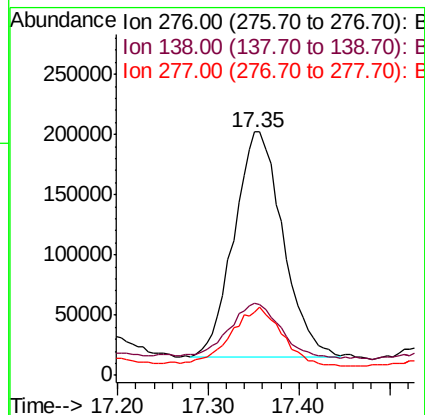
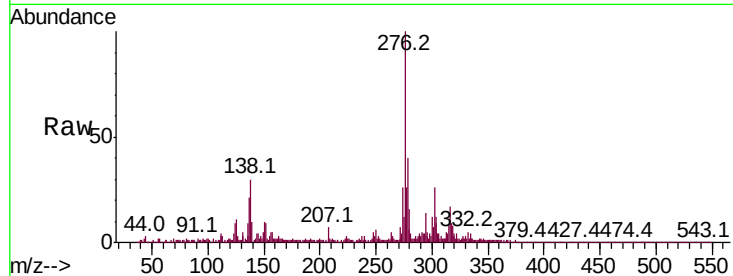


#92

Indeno(1,2,3-cd)pyrene
Concen: 8.243 ng/ul
RT: 17.35 min Scan# 2595
Delta R.T. 0.10 min
Lab File: BP000216.D
Acq: 12 Sep 2019 14:27

Instrument :
BNA_P
ClientSampled :

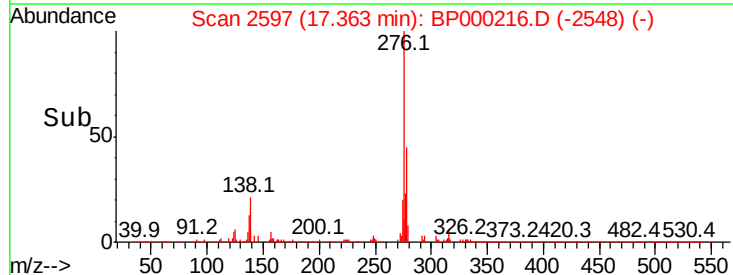
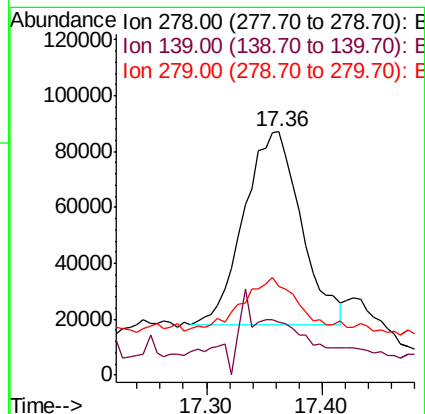
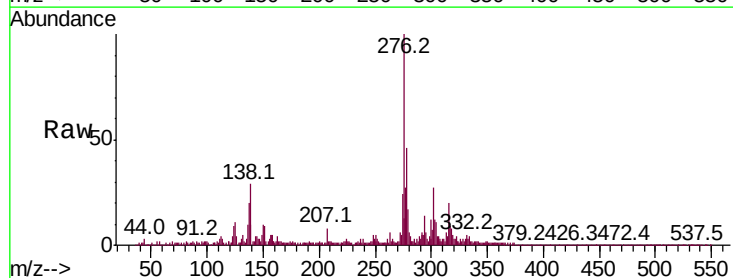
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	20.0	30.0
277	25.9	19.4	29.0

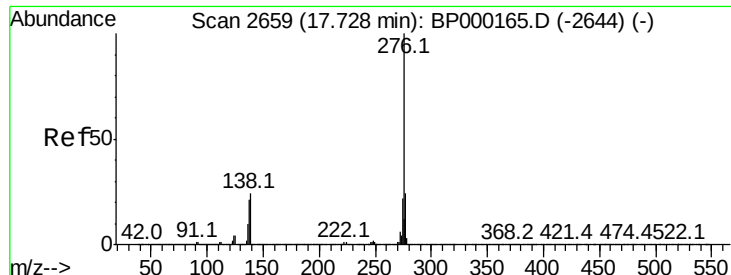


#93

Dibenzo(a,h)anthracene
Concen: 3.388 ng/ul
RT: 17.36 min Scan# 2597
Delta R.T. 0.09 min
Lab File: BP000216.D
Acq: 12 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	15.1	22.7
279	36.2	19.2	28.8





#94

Benzo(a,h,i)perylene

Concen: 4.634 ng/ul

RT: 17.82 min Scan# 2675

Delta R.T. 0.10 min

Lab File: BP000216.D

Acq: 12 Sep 2019 14:27

Instrument :

BNA_P

ClientSampleId :

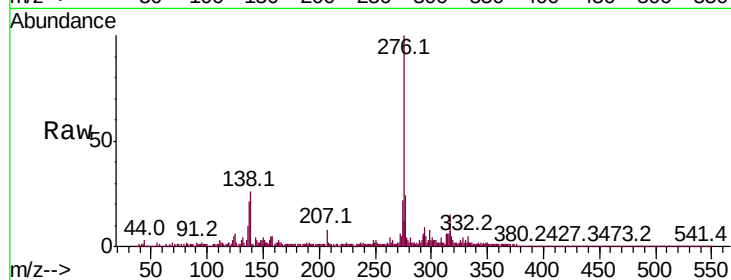
Tot Ion:276 Resp: 328463

Ion Ratio Lower Upper

276 100

138 26.4 20.0 30.0

277 24.1 19.1 28.7



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

