

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP030220\
 Data File : BP002040.D
 Acq On : 04 Mar 2020 01:48
 Operator : CG/JU
 Sample : L1617-20
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Mar 04 05:17:02 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	7.64	152	323418	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	1308363	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	826728	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	1816714	20.00	ng/ul	0.00
78) Chrysene-d12	21.12	240	1673118	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	1964250	20.00	ng/ul	0.00

System Monitoring Compounds

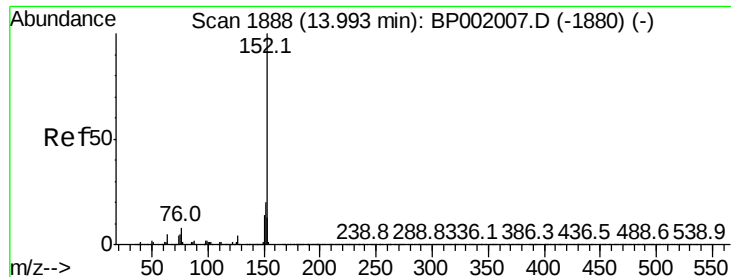
3) 1,4-Dioxane-d8	3.17	96	2685	0.36	ng/uL	0.00
5) Phenol-d5	6.82	99	43100	1.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	27900	2.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	39755	1.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	32641	1.61	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	16045	1.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	15153	1.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	36738	1.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	32101	1.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	131210	2.10	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	149204	1.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	6593	0.55	ng/ul	0.01
58) Fluorene-d10	15.27	176	127808	2.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	7003	0.70	ng/ul	0.00
71) Anthracene-d10	17.13	188	190715	2.34	ng/ul	0.00
79) Pyrene-d10	19.37	212	227390	2.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	236658	2.35	ng/ul	0.00

Target Compounds

					Ovalue
48) Acenaphthylene	13.99	152	81207	1.024	ng/ul 99
50) Acenaphthene	14.34	153	176434	3.307	ng/ul 98
54) Dibenzofuran	14.67	168	117634	1.561	ng/ul 97
59) Fluorene	15.33	166	161020	2.674	ng/ul 97
70) Phenanthrene	17.07	178	1641793	16.404	ng/ul 100
72) Anthracene	17.16	178	856064	8.639	ng/ul 100
75) Carbazole	17.43	167	169330	2.029	ng/ul 99
77) Fluoranthene	19.05	202	5506448	47.693	ng/ul 99
80) Pyrene	19.40	202	4547225	39.918	ng/ul 100
83) Benzo(a)anthracene	21.11	228	1636992	14.462	ng/ul 94
85) Chrysene	21.16	228	2153755	19.944	ng/ul 98
88) Benzo(b)fluoranthene	22.67	252	3055957	24.808	ng/ul 98
89) Benzo(k)fluoranthene	22.67	252	3055957	25.344	ng/ul 98
91) Benzo(a)pyrene	23.23	252	1366274	12.218	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.55	276	939847	6.484	ng/ul 95
93) Dibenzo(a,h)anthracene	25.56	278	229185	1.912	ng/ul# 84
94) Benzo(g,h,i)perylene	26.23	276	595880	4.870	ng/ul 98

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

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP030220\  
Data File : BP002040.D  
Acq On    : 04 Mar 2020 01:48  
Operator  : CG/JU  
Sample    : L1617-20  
Misc      :  
ALS Vial  : 57 Sample Multiplier: 1
```



#48

Acenaphthylene

Concen: 1.024 ng/ul

RT: 13.99 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

Instrument :

BNA_P

ClientSampleId :

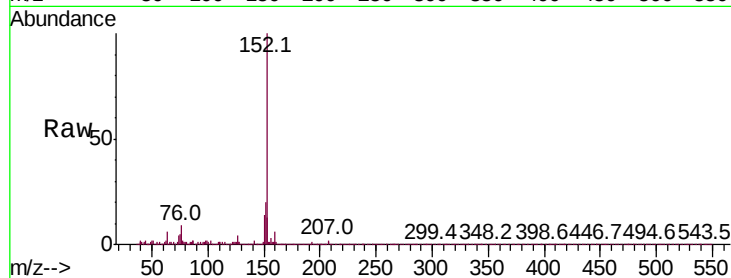
Tot Ion:152 Resp: 81207

Ion Ratio Lower Upper

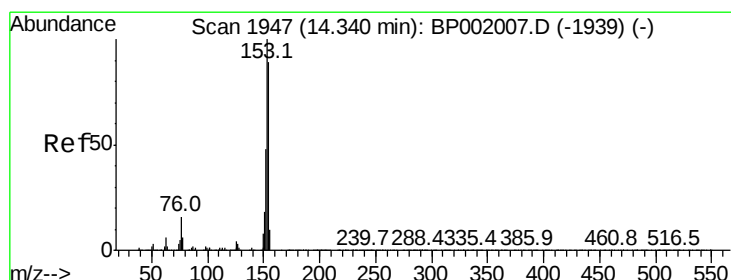
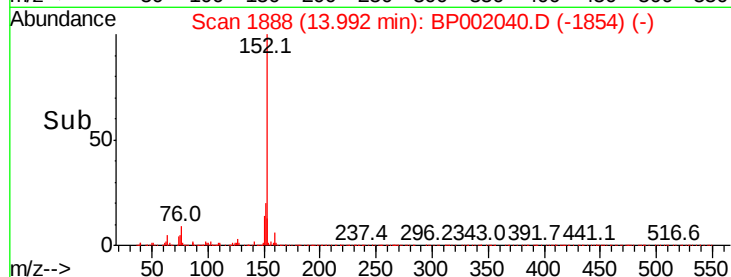
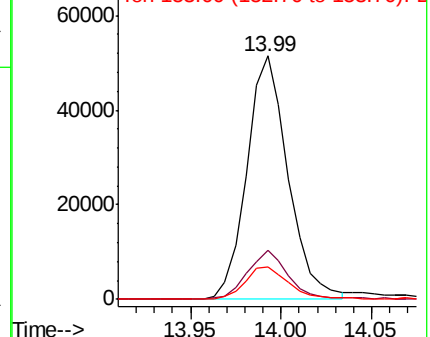
152 100

151 20.1 15.7 23.5

153 13.3 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



#50

Acenaphthene

Concen: 3.307 ng/ul

RT: 14.34 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

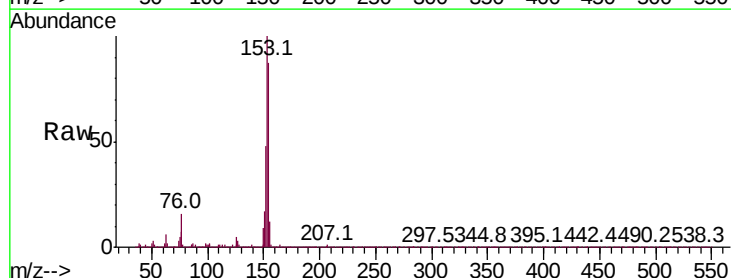
Tgt Ion:153 Resp: 176434

Ion Ratio Lower Upper

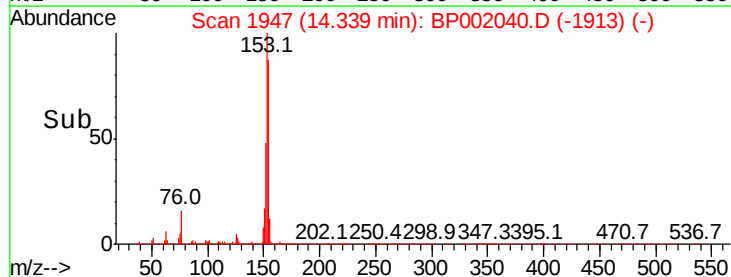
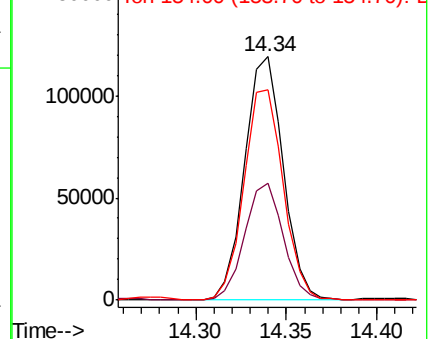
153 100

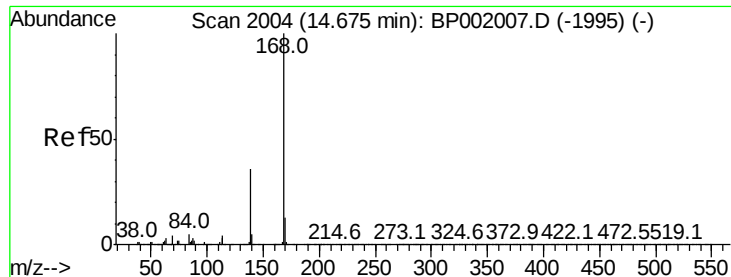
152 48.0 37.1 55.7

154 86.6 70.5 105.7



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

Dibenzo(furan)

Concen: 1.561 ng/ul

RT: 14.67 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

Instrument :

BNA_P

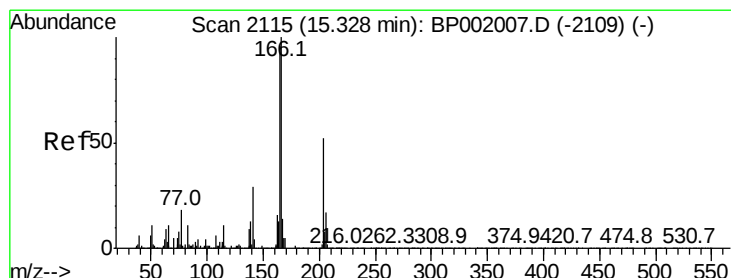
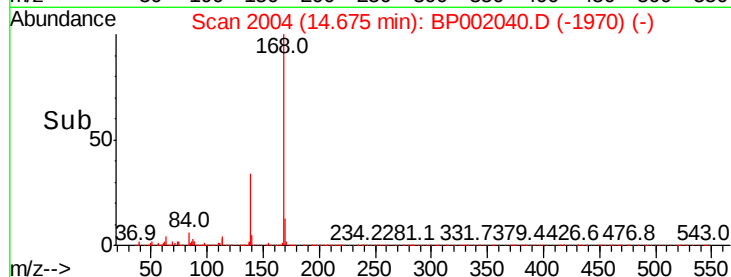
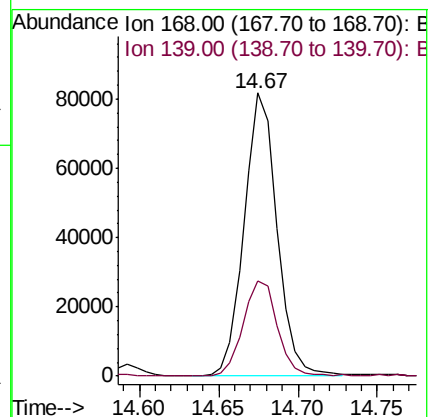
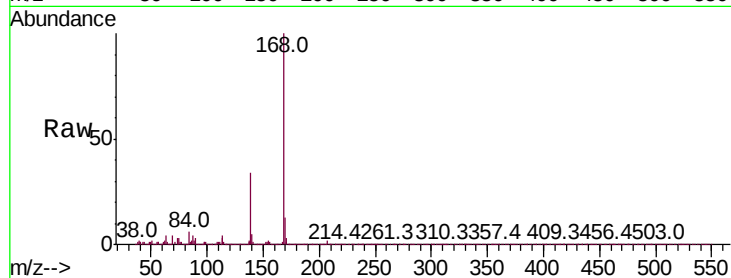
ClientSampleId :

Tot Ion:168 Resp: 117634

Ion Ratio Lower Upper

168 100

139 33.8 28.3 42.5



#59

Fluorene

Concen: 2.674 ng/ul

RT: 15.33 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

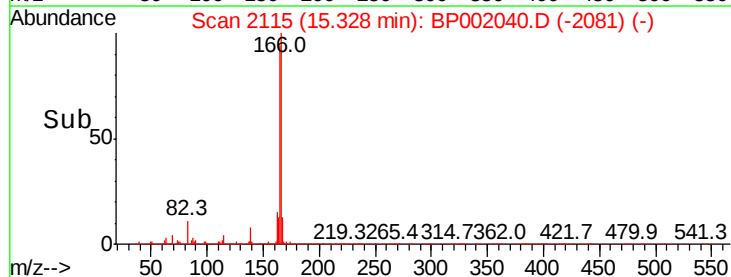
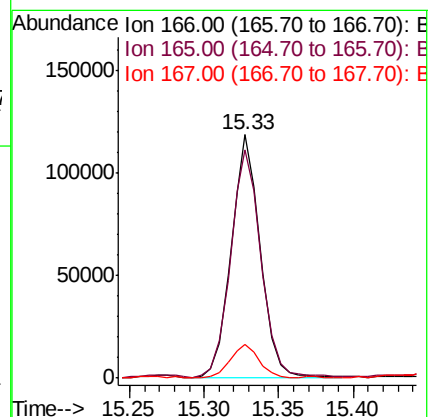
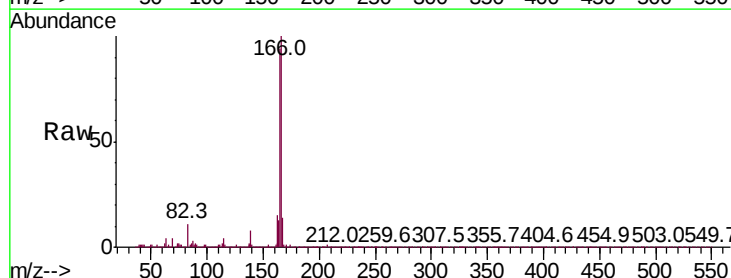
Tgt Ion:166 Resp: 161020

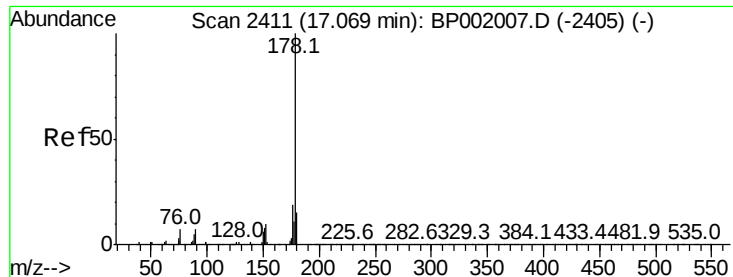
Ion Ratio Lower Upper

166 100

165 93.8 78.1 117.1

167 13.6 10.7 16.1





#70

Phenanthrene

Concen: 16.404 ng/ul

RT: 17.07 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

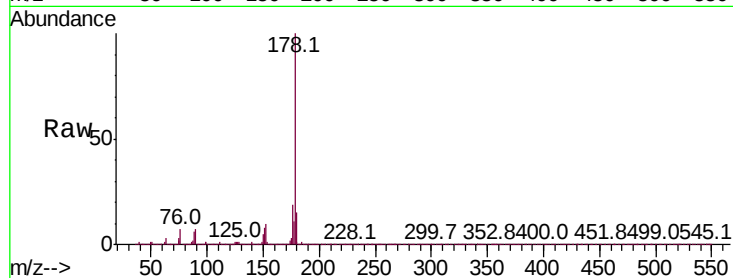
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 1641793

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.6	14.9	22.3

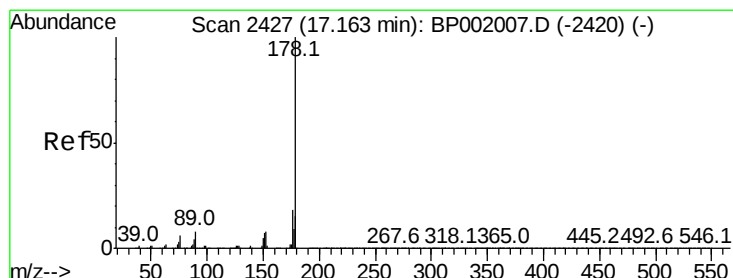
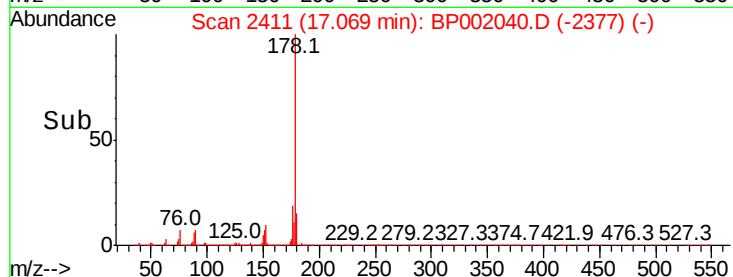
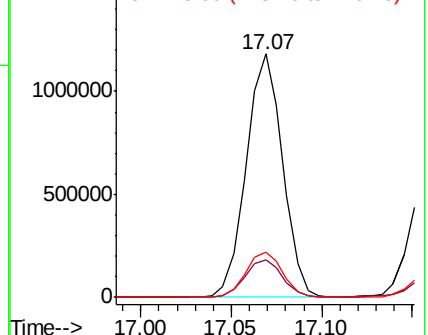


Abundance

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: 8.639 ng/ul

RT: 17.16 min Scan# 2426

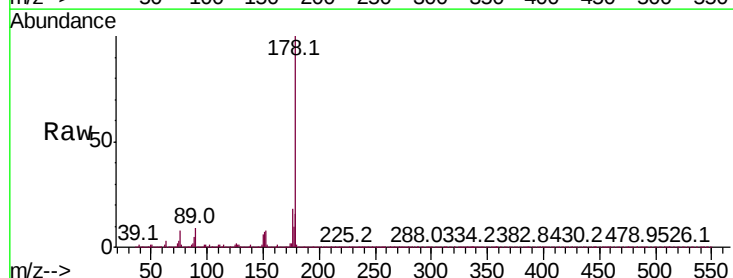
Delta R.T. -0.01 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

Tgt Ion:178 Resp: 856064

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.8	19.2
176	18.3	14.6	22.0

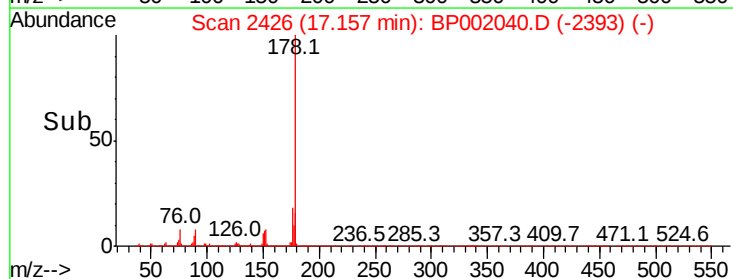
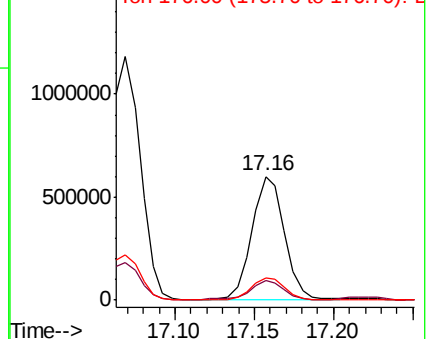


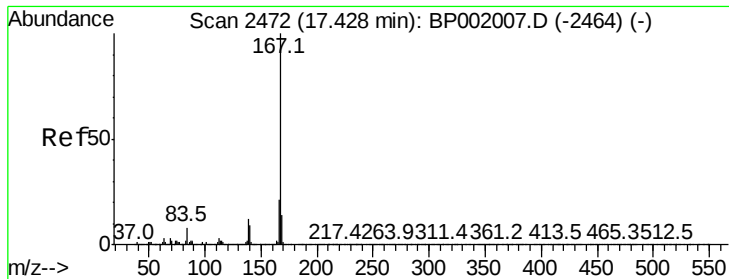
Abundance

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: 2.029 ng/ul

RT: 17.43 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

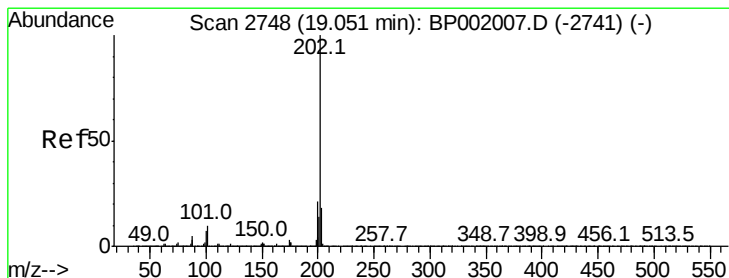
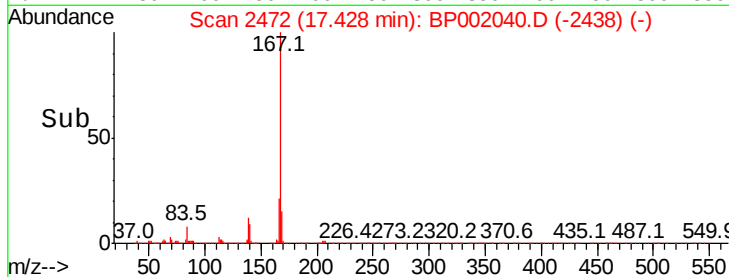
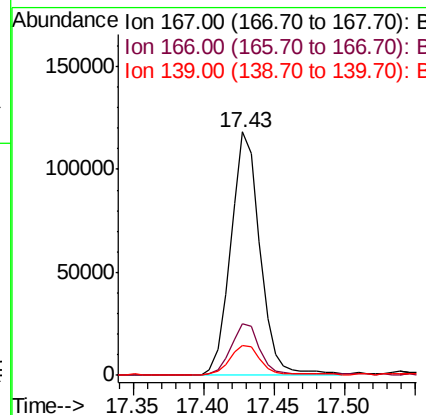
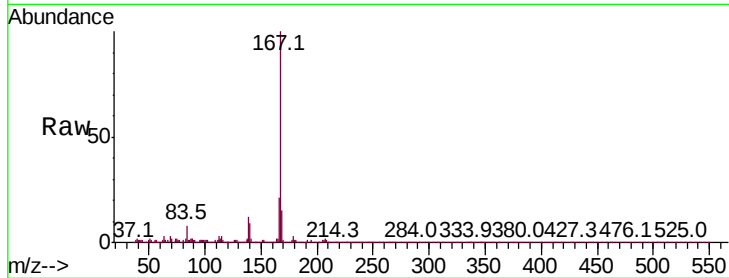
Instrument :

BNA_P

ClientSampleId :

Tot Ion:167 Resp: 169330

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	12.3	10.1	15.1



#77

Fluoranthene

Concen: 47.693 ng/ul

RT: 19.05 min Scan# 2748

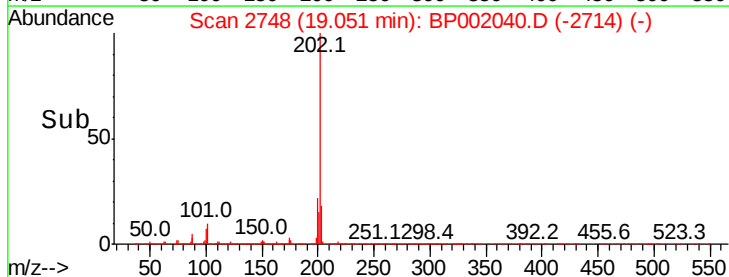
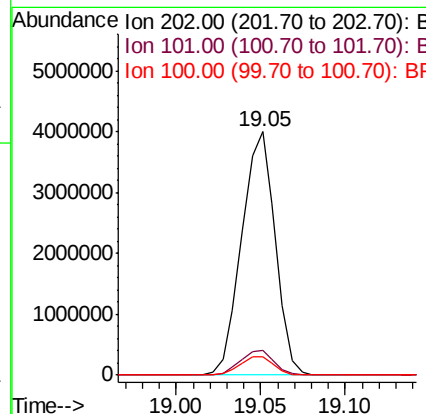
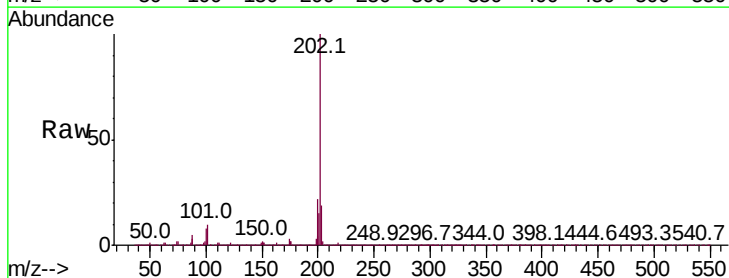
Delta R.T. -0.00 min

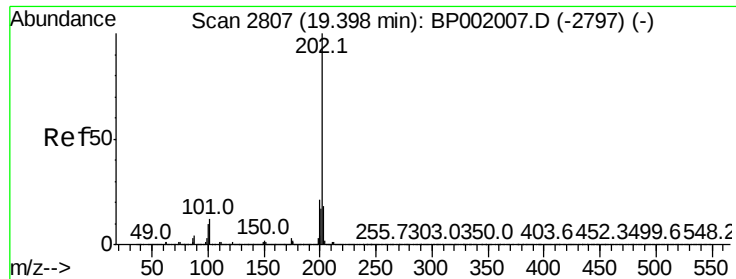
Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

Tgt Ion:202 Resp: 5506448

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.2	12.2
100	7.5	6.3	9.5

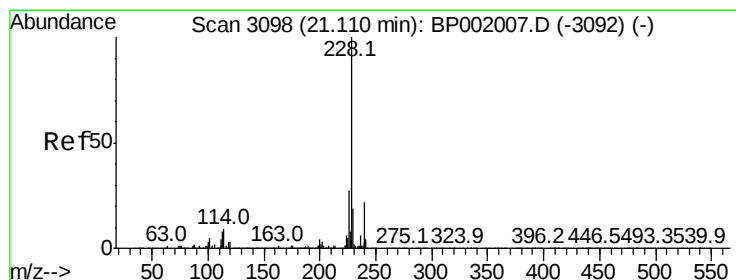
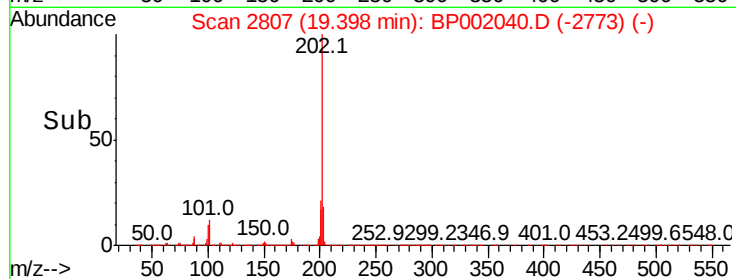
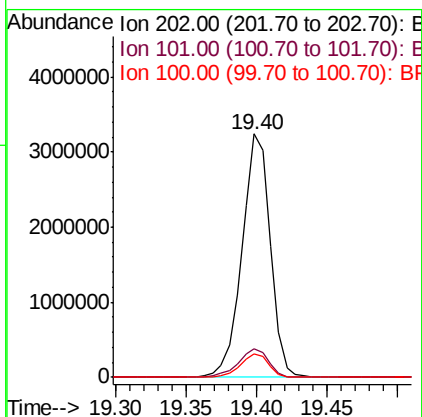
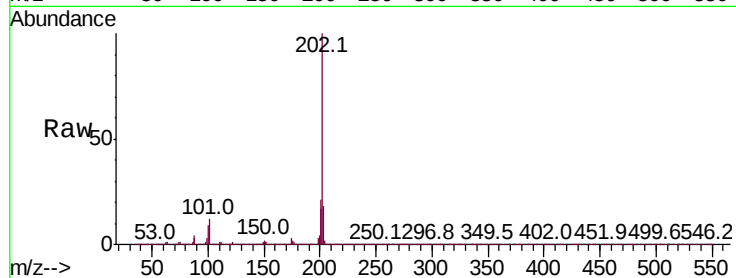




#80
Pvrene
Concen: 39.918 ng/ul
RT: 19.40 min Scan# 2807
Delta R.T. -0.00 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

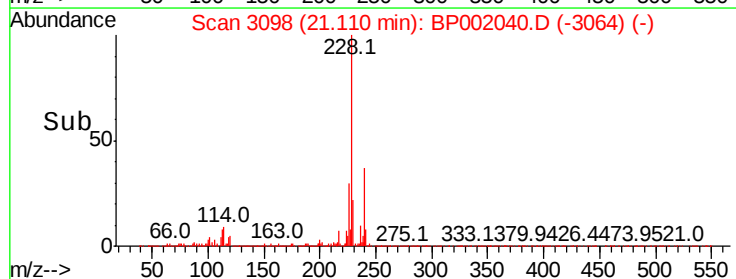
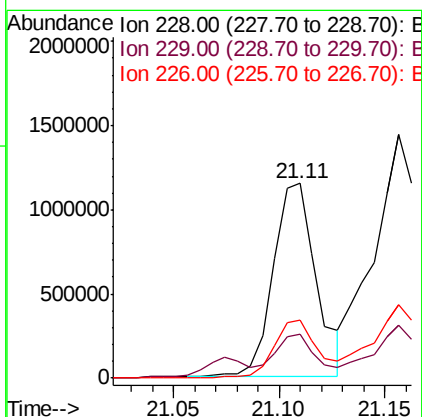
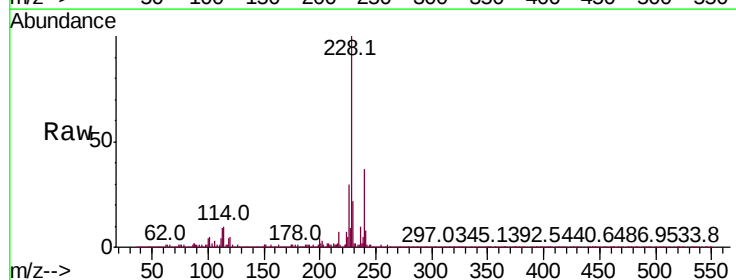
Instrument :
BNA_P
ClientSampleId :

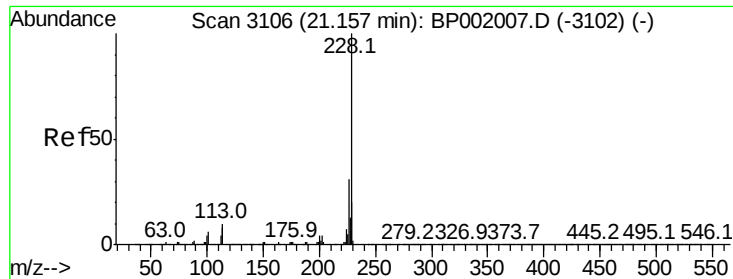
Tot Ion:202 Resp: 4547225
Ion Ratio Lower Upper
202 100
101 11.9 9.3 13.9
100 9.5 7.6 11.4



#83
Benzo(a)anthracene
Concen: 14.462 ng/ul
RT: 21.11 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

Tgt Ion:228 Resp: 1636992
Ion Ratio Lower Upper
228 100
229 22.4 15.7 23.5
226 30.0 21.4 32.0



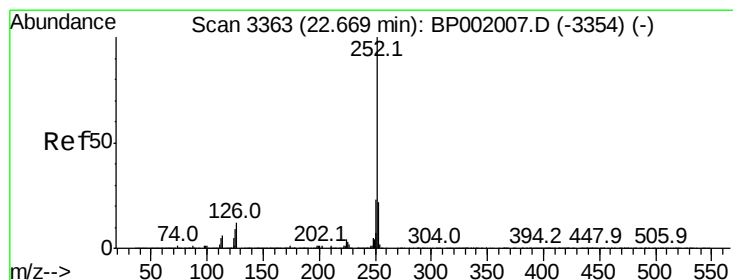
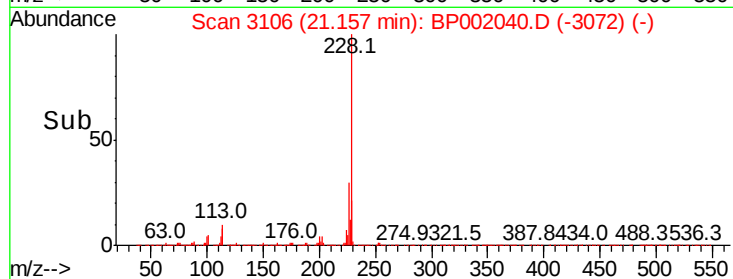
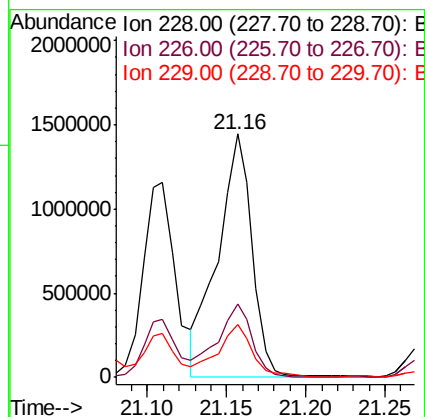
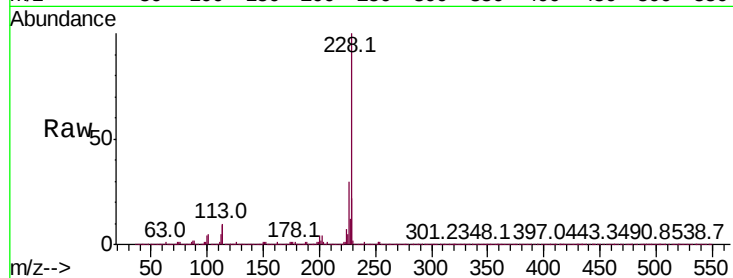


#85
 Chrysene
 Concen: 19.944 ng/ul
 RT: 21.16 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BP002040.D
 Acq: 04 Mar 2020 01:48

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:228 Resp: 2153755

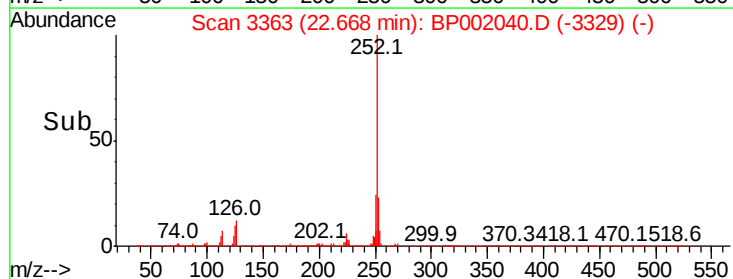
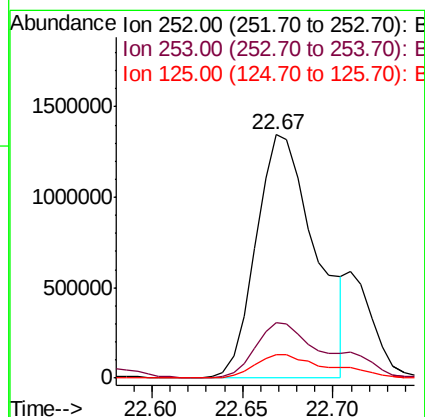
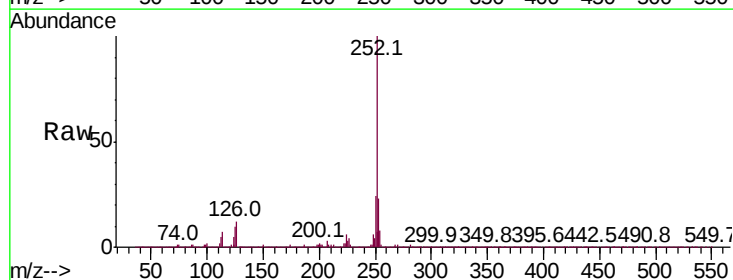
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	21.6	15.9	23.9

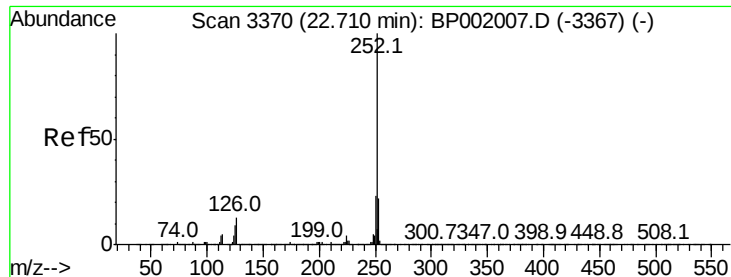


#88
 Benzo(b)fluoranthene
 Concen: 24.808 ng/ul
 RT: 22.67 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: BP002040.D
 Acq: 04 Mar 2020 01:48

Tgt Ion:252 Resp: 3055957

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.7	7.4	11.0

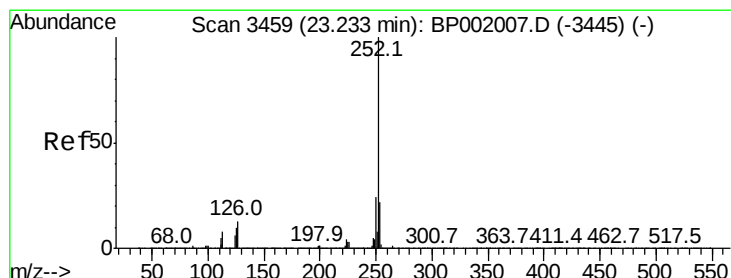
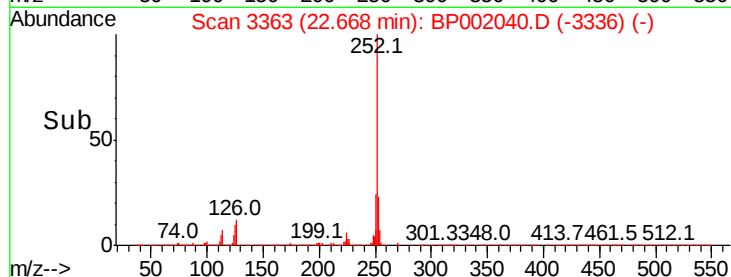
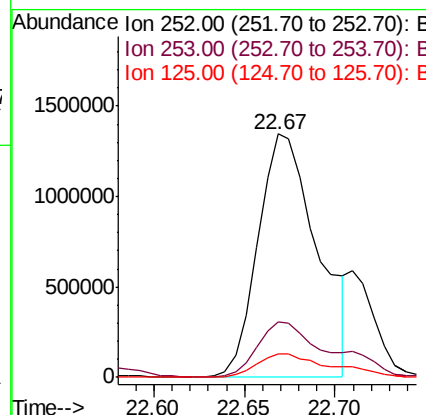
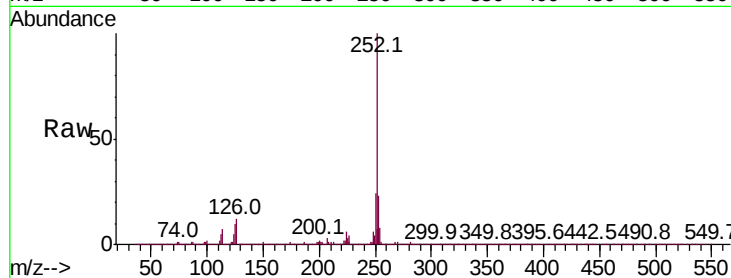




#89
Benzo(k)fluoranthene
Concen: 25.344 ng/ul
RT: 22.67 min Scan# 3363
Delta R.T. -0.04 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

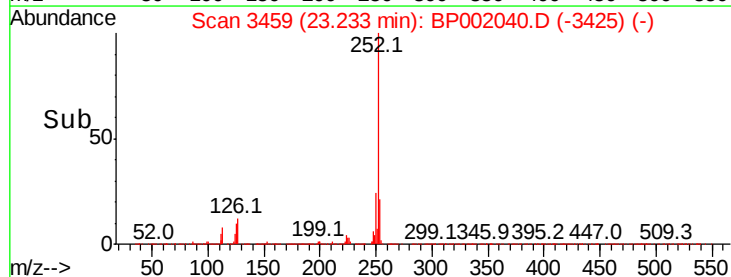
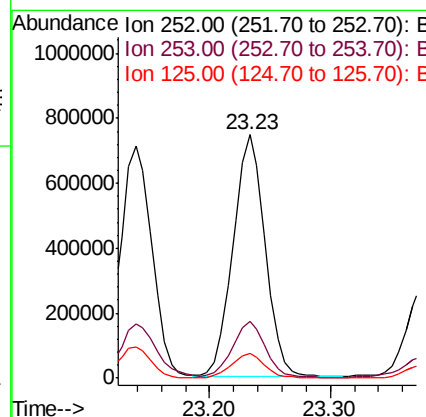
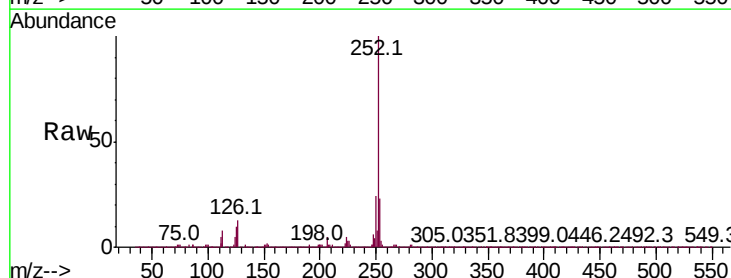
Instrument :
BNA_P
ClientSampleId :

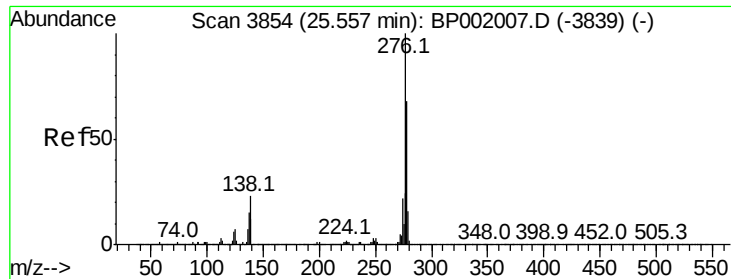
Tot Ion:252 Resp: 3055957
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.7 7.4 11.0



#91
Benzo(a)pyrene
Concen: 12.218 ng/ul
RT: 23.23 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

Tgt Ion:252 Resp: 1366274
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.2 8.2 12.2



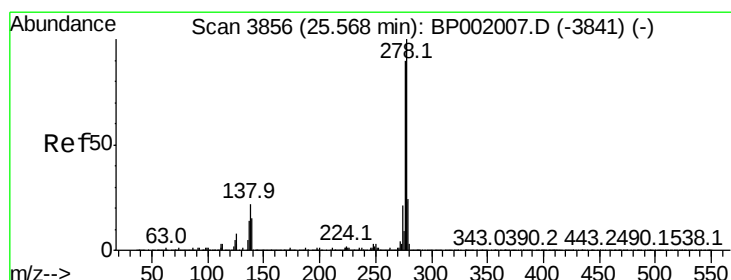
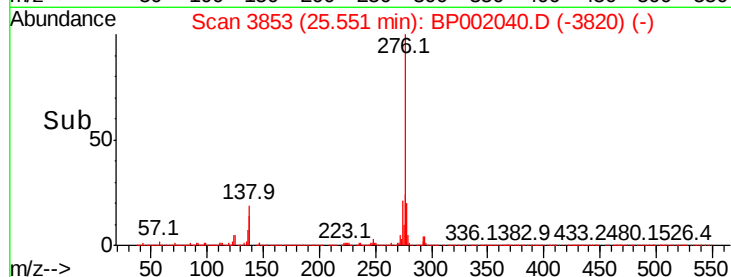
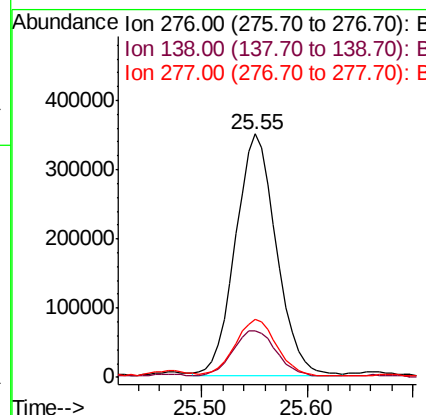
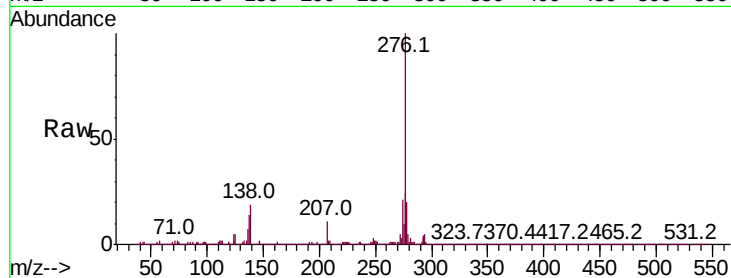


#92

Indeno(1,2,3-cd)pyrene
Concen: 6.484 ng/ul
RT: 25.55 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

Instrument :
BNA_P
ClientSampleId :

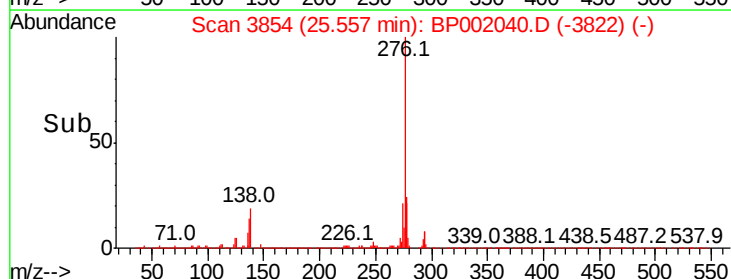
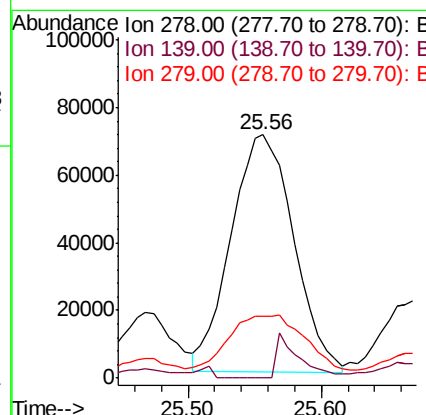
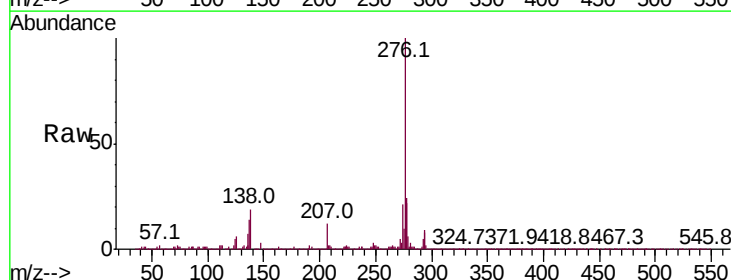
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.6	28.0
277	23.9	20.4	30.6

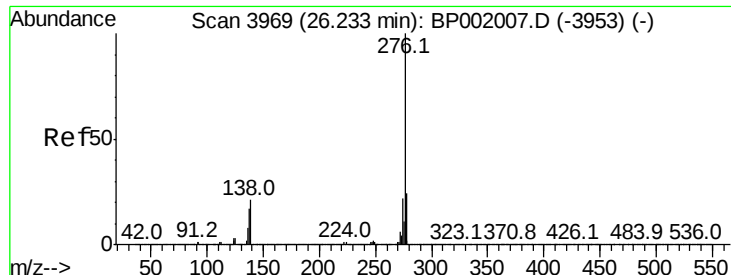


#93

Dibenzo(a,h)anthracene
Concen: 1.912 ng/ul
RT: 25.56 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BP002040.D
Acq: 04 Mar 2020 01:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.1	18.1#
279	25.6	19.1	28.7





#94

Benzo(a,h,i)perylene

Concen: 4.870 ng/ul

RT: 26.23 min Scan# 3968

Delta R.T. -0.01 min

Lab File: BP002040.D

Acq: 04 Mar 2020 01:48

Instrument :

BNA_P

ClientSampleId :

Tot Ion:276 Resp: 595880

Ion Ratio Lower Upper

276 100

138 20.2 16.2 24.2

277 24.1 18.1 27.1

