

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000221.D
 Acq On : 12 Sep 2019 18:07
 Operator : HP/JU
 Sample : K4634-21
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:49:54 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	349834	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1317866	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	704153	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1232082	20.00	ng/ul	0.00
78) Chrysene-d12	14.19	240	782049	20.00	ng/ul	0.04
86) Perylene-d12	15.70	264	778947	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.61	96	25709	2.61	ng/uL	0.00
5) Phenol-d5	6.51	99	479645	16.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	246092	15.79	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	408437	16.95	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	360868	16.12	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	189440	18.93	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	201121	20.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	357464	17.29	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	116122	4.54	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	954983	18.37	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1168685	18.19	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	104816	11.28	ng/ul	0.00
58) Fluorene-d10	10.48	176	780847	17.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	86931	15.35	ng/ul	0.01
71) Anthracene-d10	11.52	188	1094539	18.34	ng/ul	0.00
79) Pyrene-d10	12.92	212	992526	21.34	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.70	264	778947	19.29	ng/ul	0.11

Target Compounds

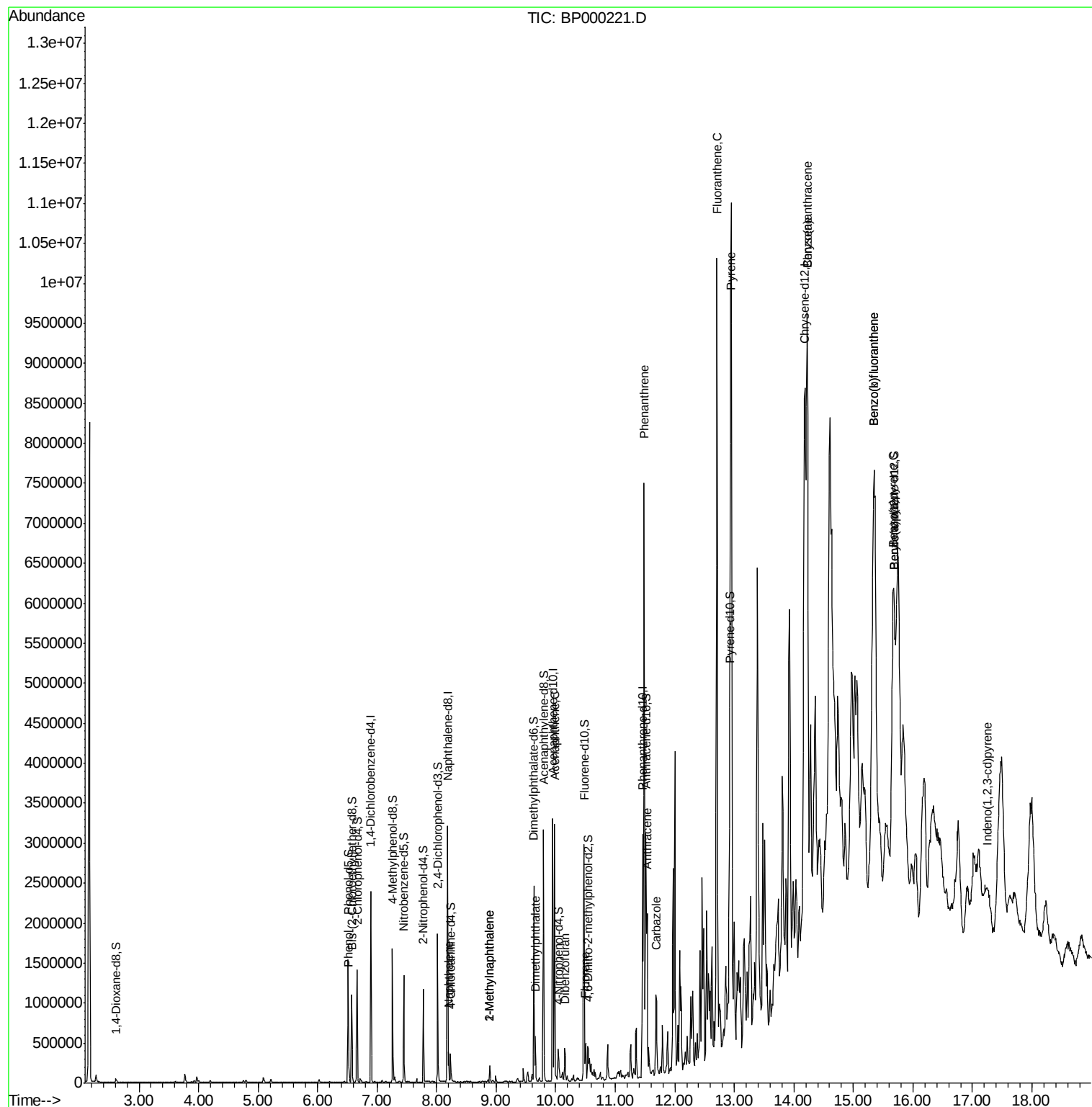
					Ovalue	
6) Phenol	6.52	94	80363	2.588	ng/ul	96
28) Naphthalene	8.20	128	144716	2.016	ng/ul	98
34) 2-Methylnaphthalene	8.89	142	54721	1.116	ng/ul	99
35) 1-Methylnaphthalene	8.89	142	54721	1.170	ng/ul	98
45) Dimethylphthalate	9.66	163	198781	3.789	ng/ul	99
50) Acenaphthene	9.98	153	717433	15.423	ng/ul	98
54) Dibenzofuran	10.15	168	119033	1.865	ng/ul	99
59) Fluorene	10.50	166	138309	2.802	ng/ul	96
70) Phenanthrene	11.49	178	3421098	46.953	ng/ul	100
72) Anthracene	11.53	178	775019	10.810	ng/ul	99
75) Carbazole	11.69	167	497432	8.115	ng/ul	97
77) Fluoranthene	12.71	202	5862006	79.766	ng/ul	97
80) Pyrene	12.95	202	6586232	111.627	ng/ul#	92
83) Benzo(a)anthracene	14.22	228	5572249	98.432	ng/ul	93
85) Chrysene	14.22	228	5579753	107.411	ng/ul	96
88) Benzo(b)fluoranthene	15.35	252	8481504	164.285	ng/ul	97
89) Benzo(k)fluoranthene	15.35	252	8481504	174.281	ng/ul	98
91) Benzo(a)pyrene	15.67	252	4600485	94.976	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	17.26	276	707000	12.687	ng/ul#	80

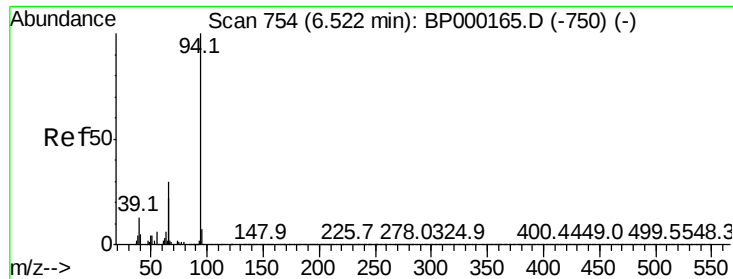
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 2.588 ng/ul

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

ClientSampleId :

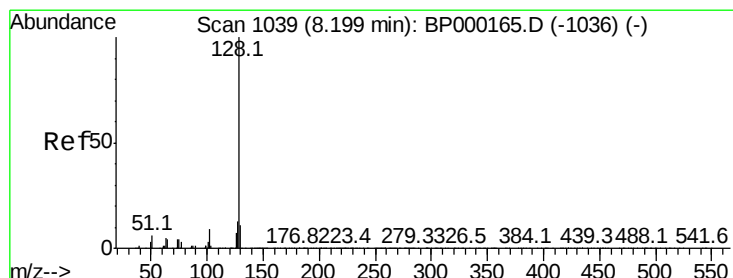
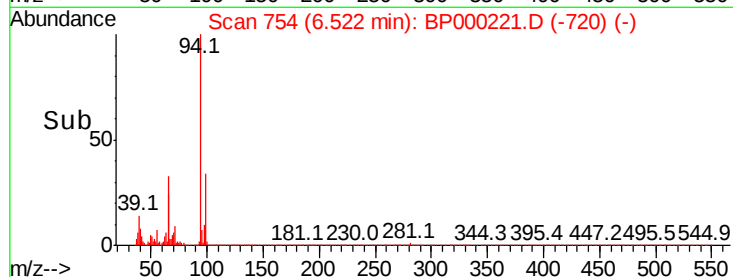
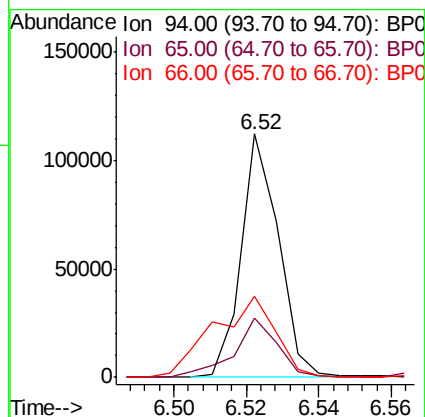
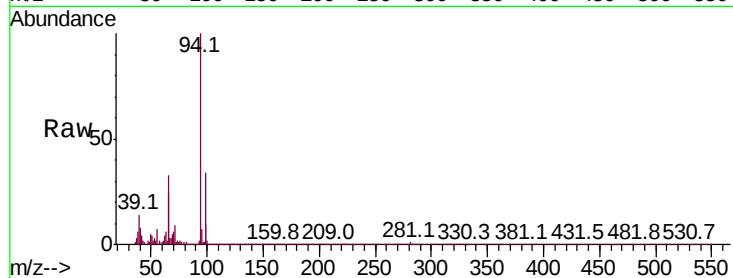
Tot Ion: 94 Resp: 80363

Ion Ratio Lower Upper

94 100

65 24.4 18.8 28.2

66 33.3 24.2 36.2



#28

Naphthalene

Concen: 2.016 ng/ul

RT: 8.20 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

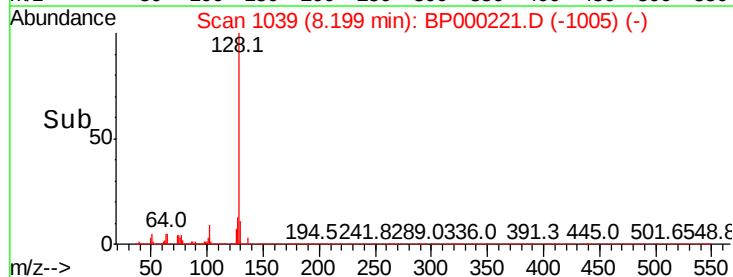
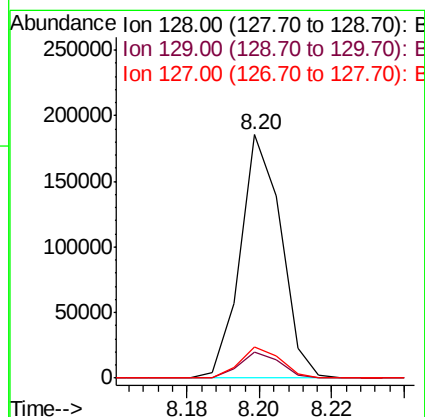
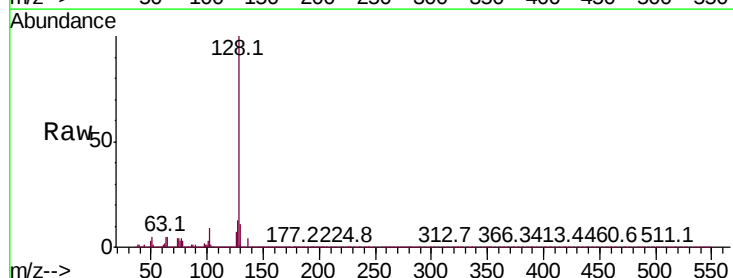
Tgt Ion: 128 Resp: 144716

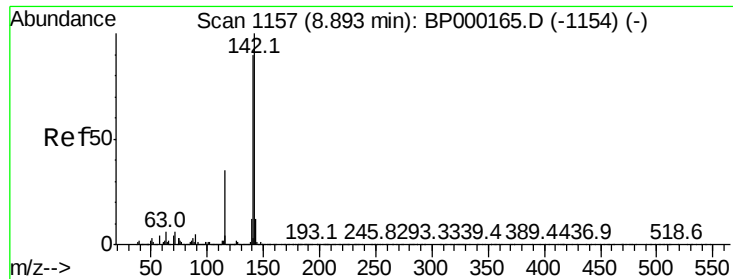
Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

127 12.8 10.7 16.1

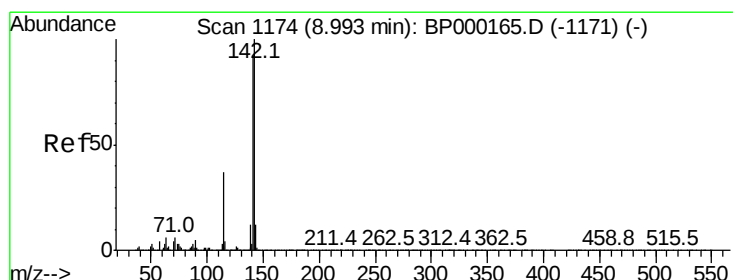
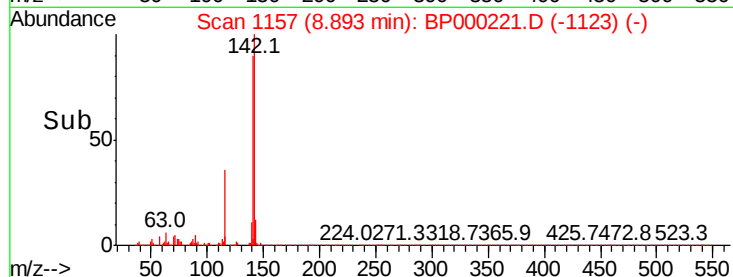
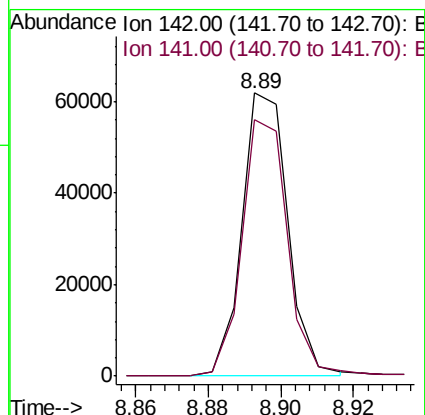
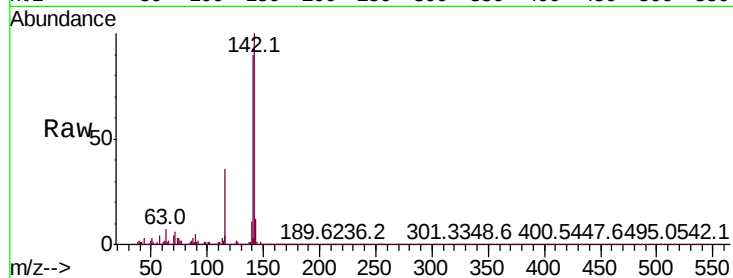




#34
2-Methylnaphthalene
Concen: 1.116 ng/ul
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BP000221.D
Acq: 12 Sep 2019 18:07

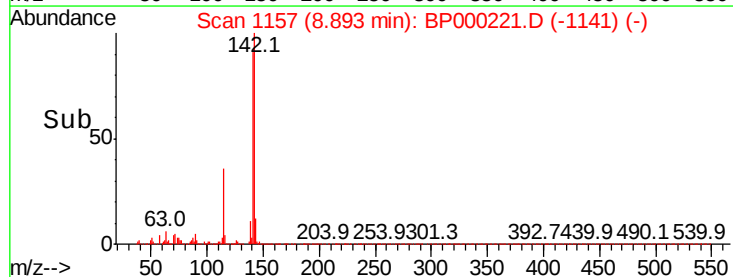
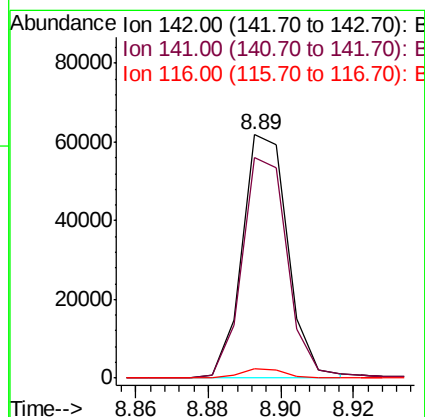
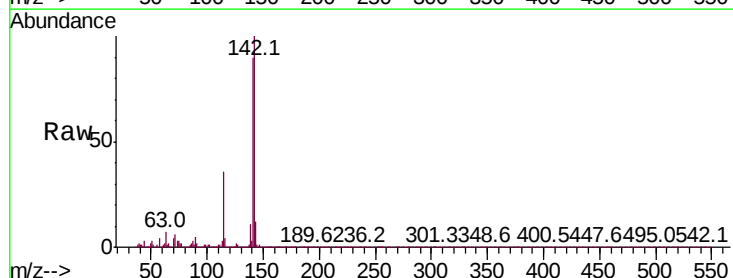
Instrument :
BNA_P
ClientSampleId :

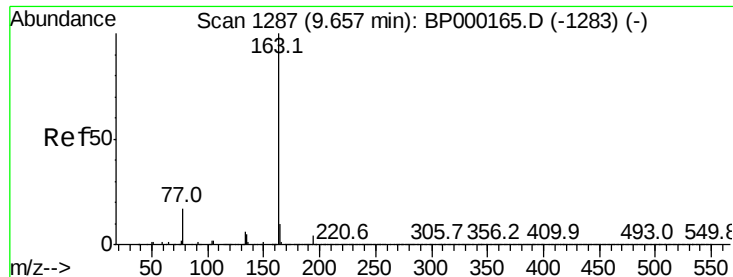
Tot Ion:142 Resp: 54721
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.0



#35
1-Methylnaphthalene
Concen: 1.170 ng/ul
RT: 8.89 min Scan# 1157
Delta R.T. -0.11 min
Lab File: BP000221.D
Acq: 12 Sep 2019 18:07

Tgt Ion:142 Resp: 54721
Ion Ratio Lower Upper
142 100
141 90.5 73.9 110.9
116 3.7 3.0 4.6





#45

Dimethylphthalate

Concen: 3.789 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

ClientSampleId :

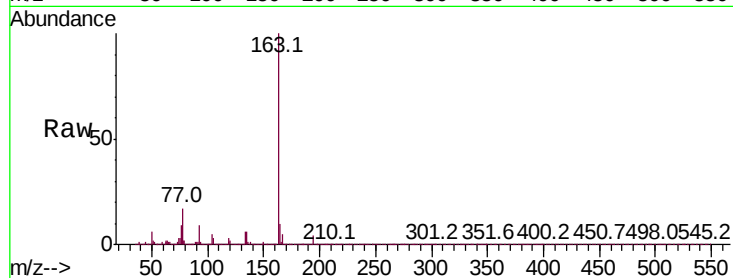
Tot Ion:163 Resp: 198781

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

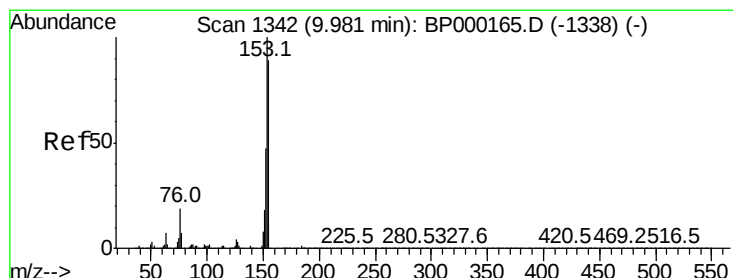
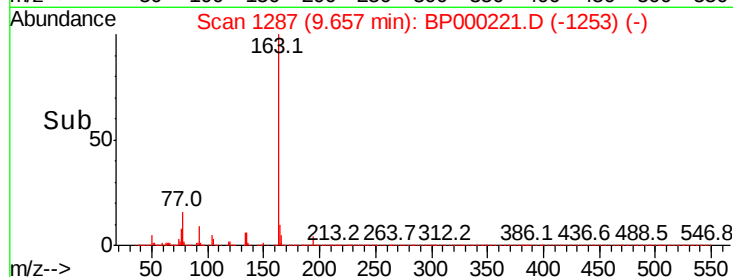
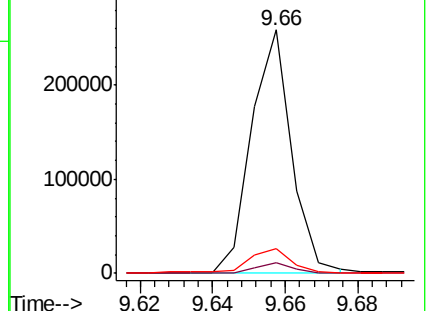
164 10.4 8.4 12.6



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: 15.423 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

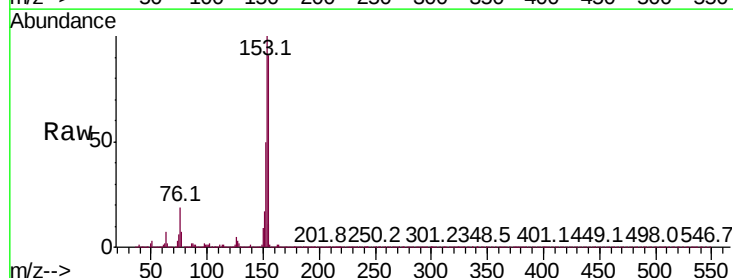
Tgt Ion:153 Resp: 717433

Ion Ratio Lower Upper

153 100

152 50.1 38.0 57.0

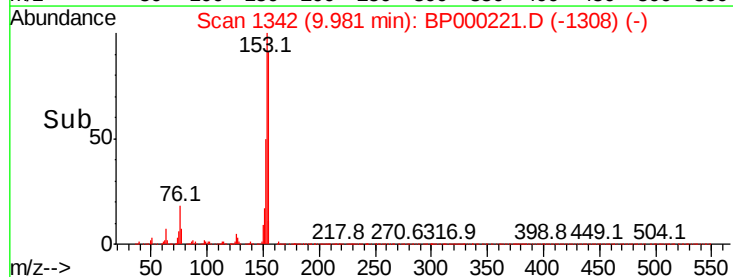
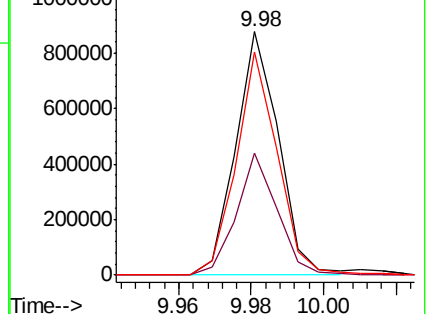
154 91.4 72.6 108.8

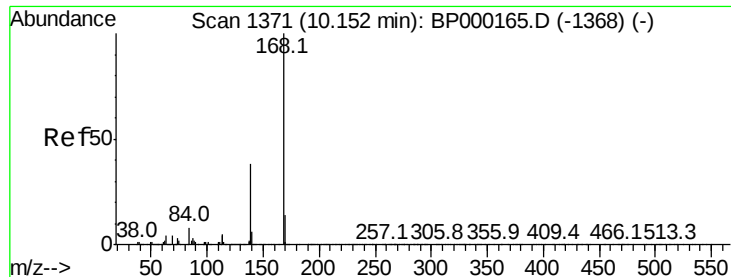


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.865 ng/ul

RT: 10.15 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

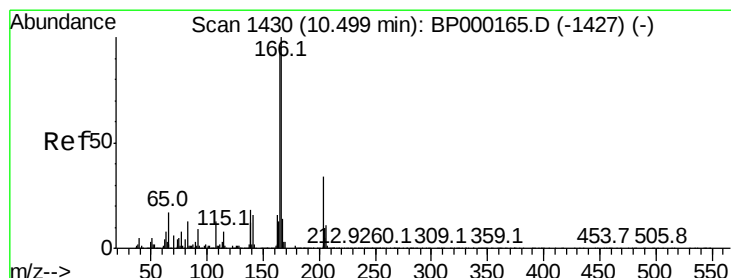
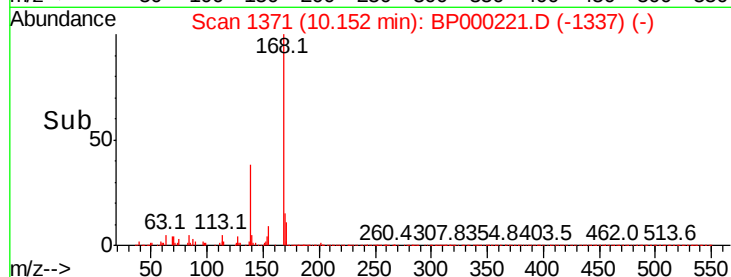
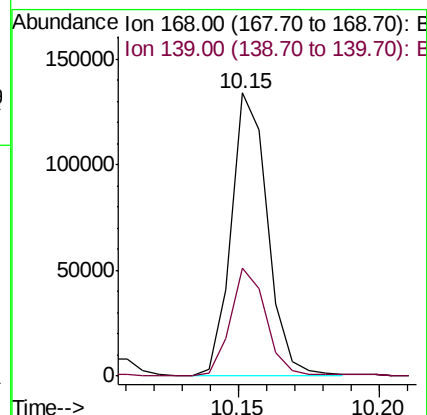
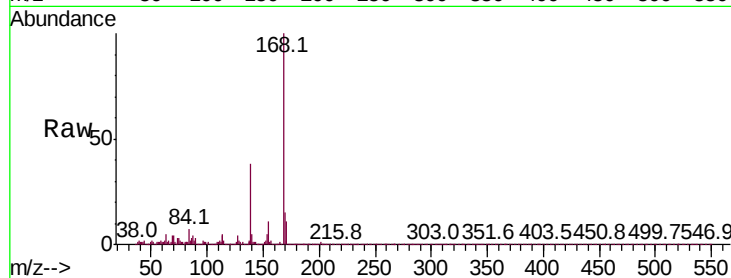
ClientSampleId :

Tot Ion:168 Resp: 119033

Ion Ratio Lower Upper

168 100

139 38.4 30.0 45.0



#59

Fluorene

Concen: 2.802 ng/ul

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

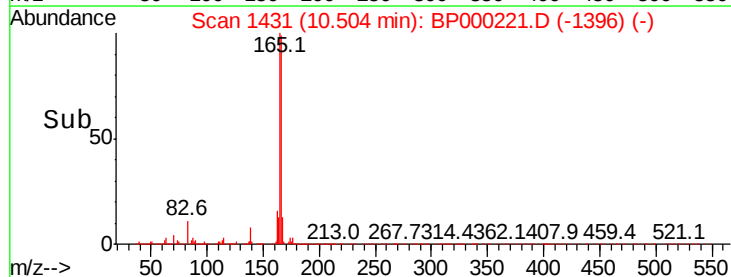
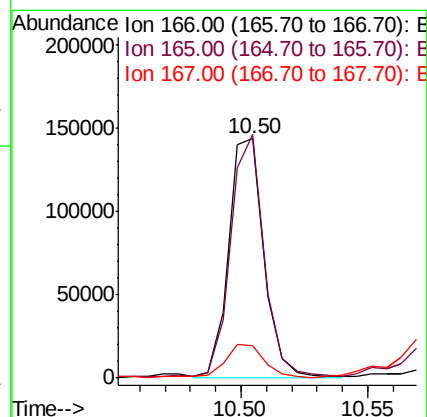
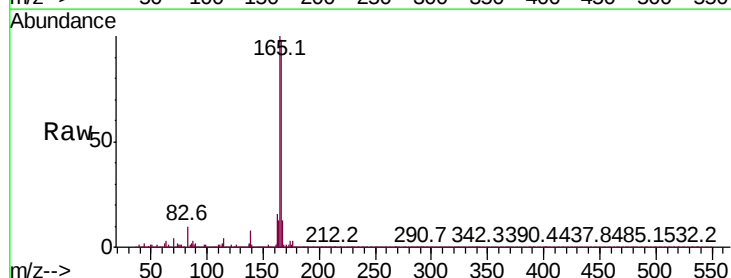
Tgt Ion:166 Resp: 138309

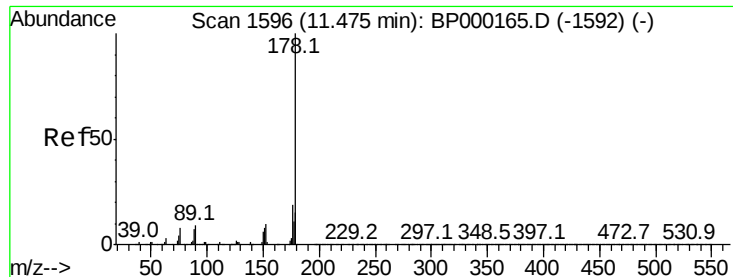
Ion Ratio Lower Upper

166 100

165 101.6 77.8 116.8

167 13.4 10.9 16.3





#70

Phenanthrene

Concen: 46.953 ng/ul

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

ClientSampleId :

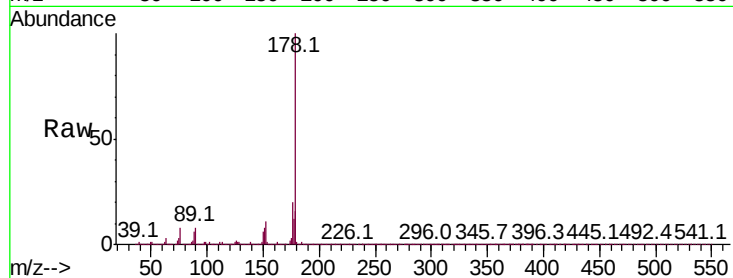
Tot Ion:178 Resp: 3421098

Ion Ratio Lower Upper

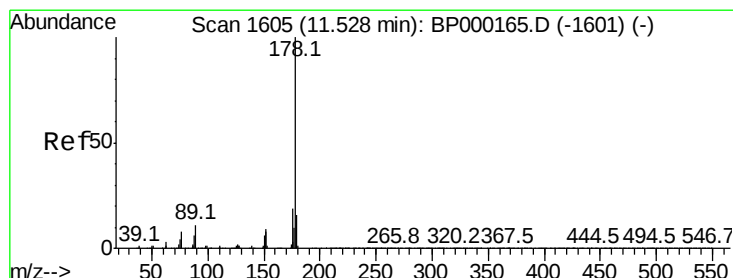
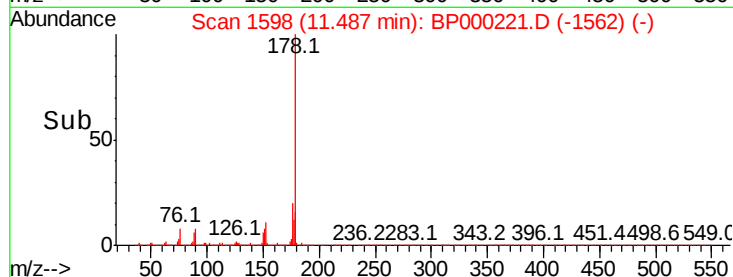
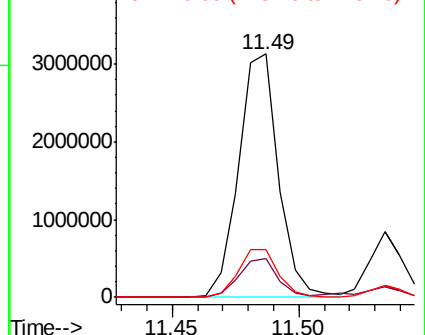
178 100

179 15.7 12.5 18.7

176 19.8 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: 10.810 ng/ul

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

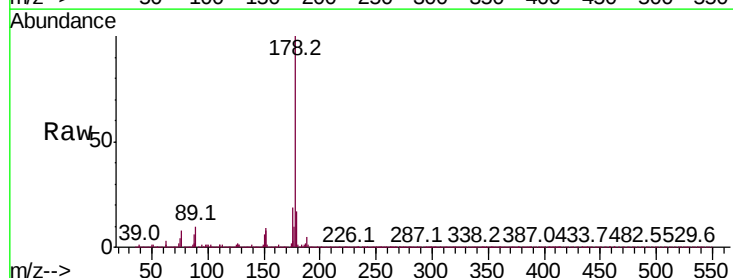
Tgt Ion:178 Resp: 775019

Ion Ratio Lower Upper

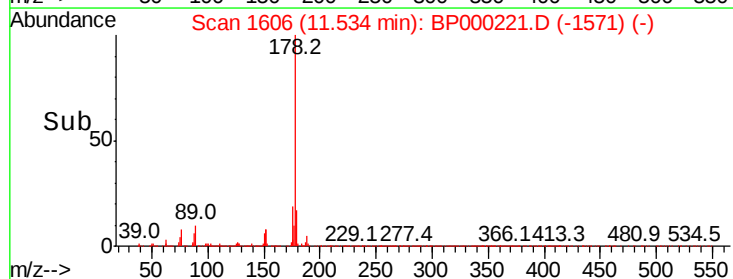
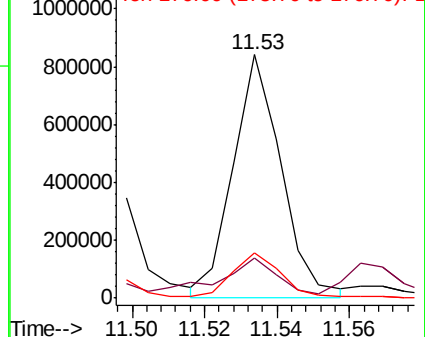
178 100

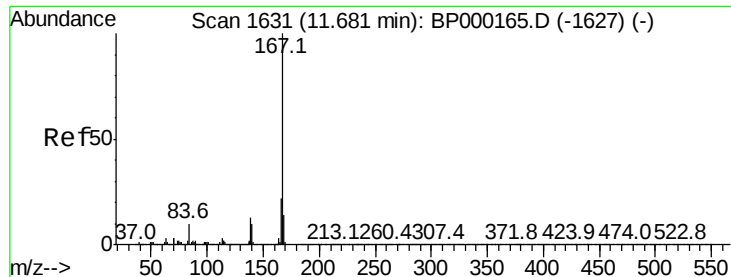
179 16.6 12.3 18.5

176 18.8 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: 8.115 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

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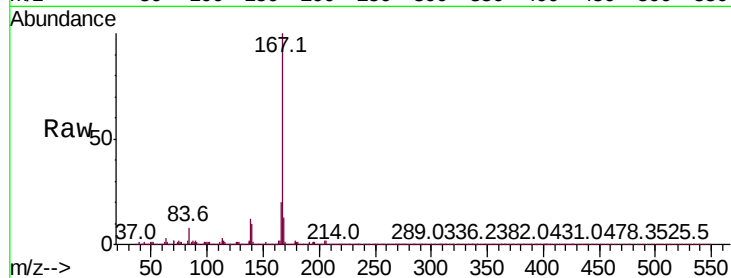
Tot Ion:167 Resp: 497432

Ion Ratio Lower Upper

167 100

166 20.3 17.3 25.9

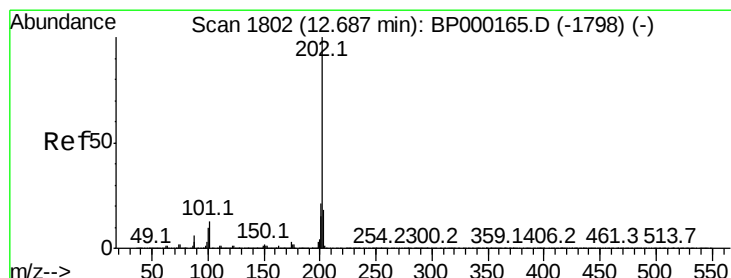
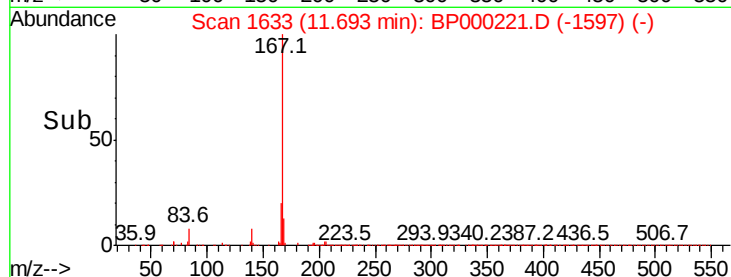
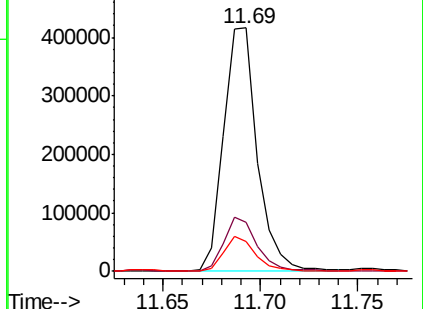
139 12.1 10.6 15.8



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: 79.766 ng/ul

RT: 12.71 min Scan# 1806

Delta R.T. 0.02 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

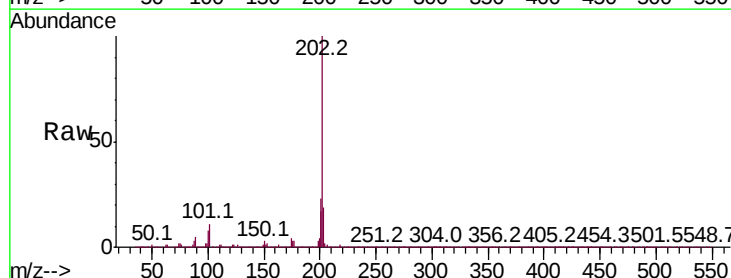
Tgt Ion:202 Resp: 5862006

Ion Ratio Lower Upper

202 100

101 10.9 10.0 15.0

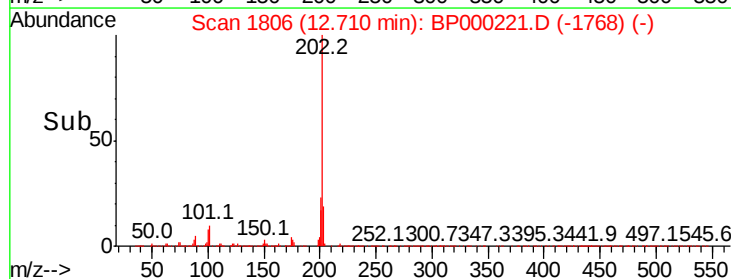
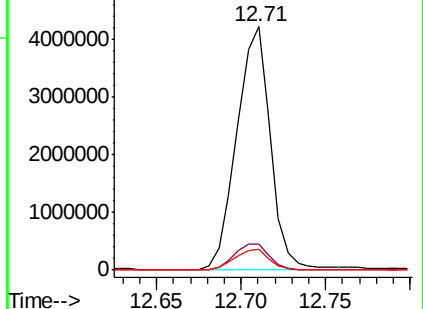
100 8.3 7.4 11.2

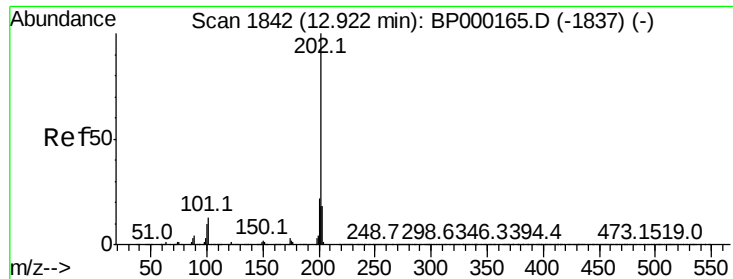


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

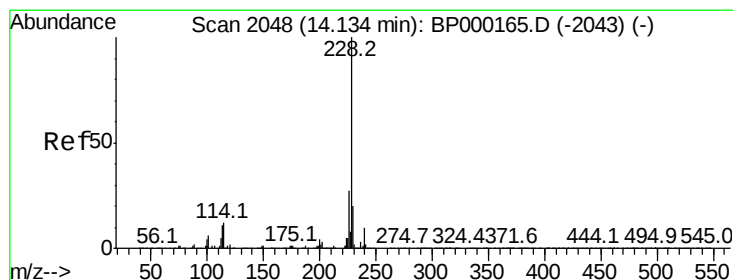
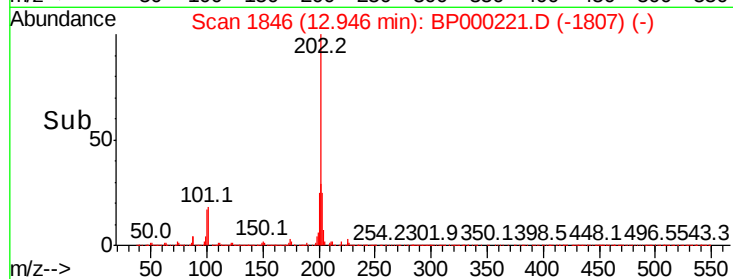
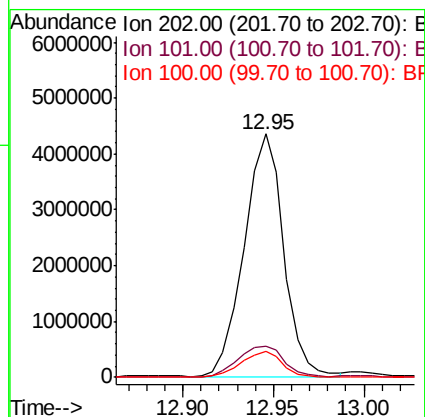
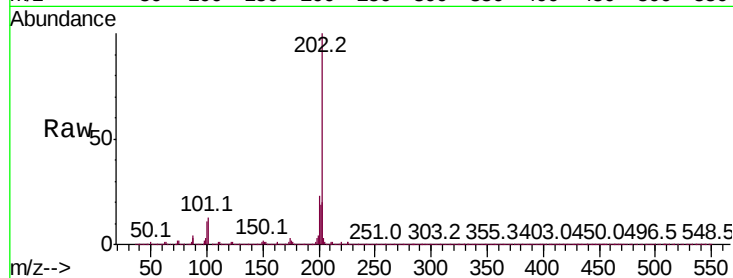




#80
Pvrene
Concen: 111.627 ng/ul
RT: 12.95 min Scan# 1846
Delta R.T. 0.03 min
Lab File: BP000221.D
Acq: 12 Sep 2019 18:07

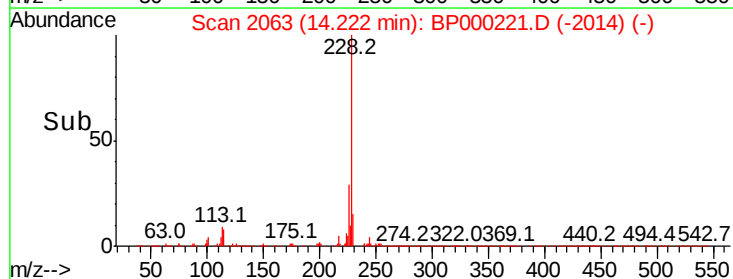
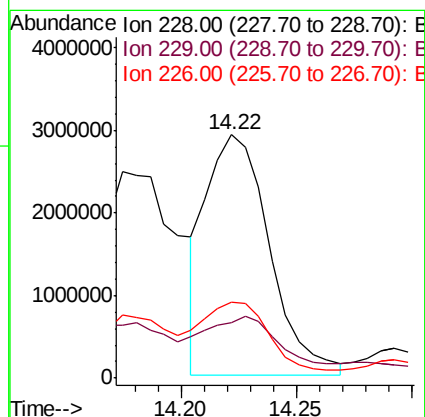
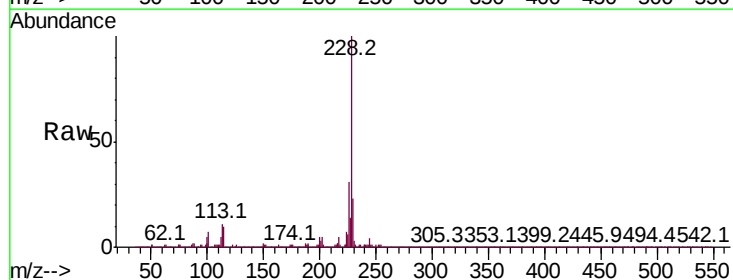
Instrument :
BNA_P
ClientSampled :

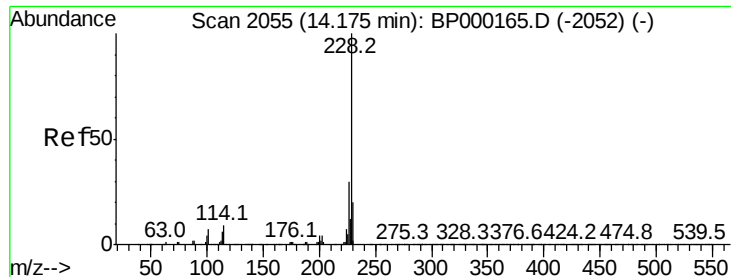
Tot Ion:202 Resp: 6586232
Ion Ratio Lower Upper
202 100
101 12.9 13.4 20.0#
100 10.7 10.8 16.2#



#83
Benzo(a)anthracene
Concen: 98.432 ng/ul
RT: 14.22 min Scan# 2063
Delta R.T. 0.09 min
Lab File: BP000221.D
Acq: 12 Sep 2019 18:07

Tgt Ion:228 Resp: 5572249
Ion Ratio Lower Upper
228 100
229 22.9 15.9 23.9
226 31.4 22.1 33.1



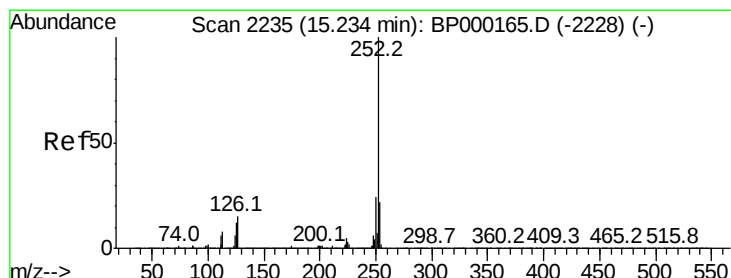
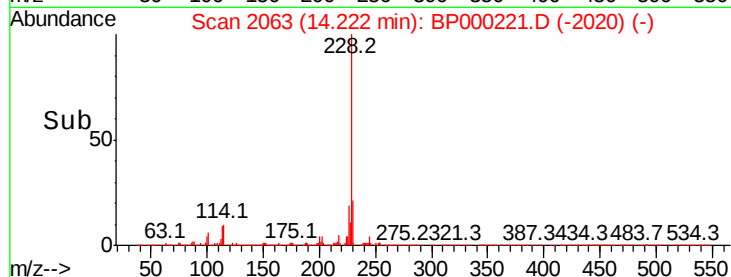
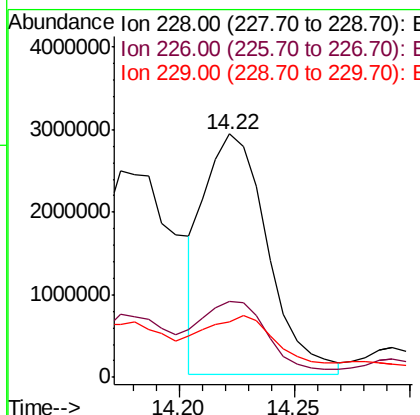
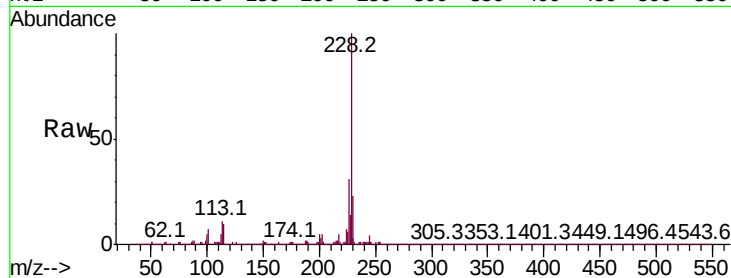


#85
 Chrysene
 Concen: 107.411 ng/ul
 RT: 14.22 min Scan# 2063
 Delta R.T. 0.05 min
 Lab File: BP000221.D
 Acq: 12 Sep 2019 18:07

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:228 Resp: 5579753

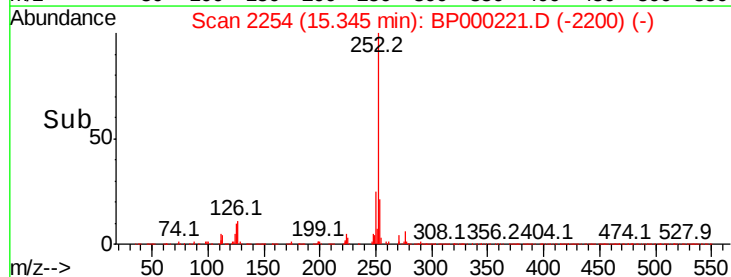
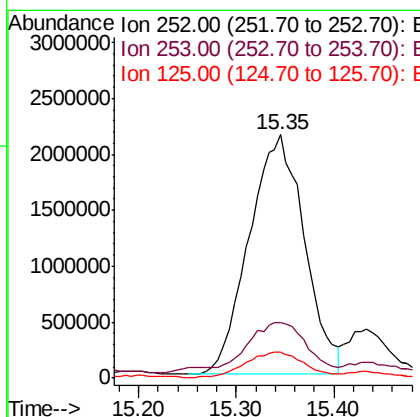
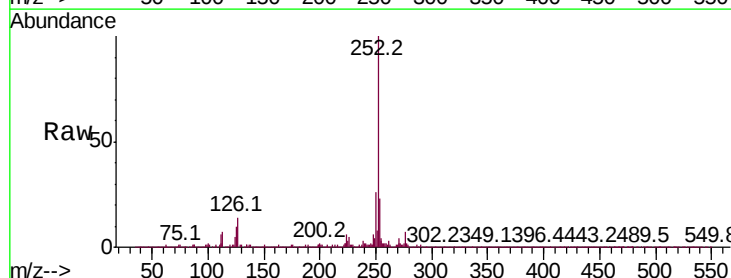
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	22.9	16.0	24.0

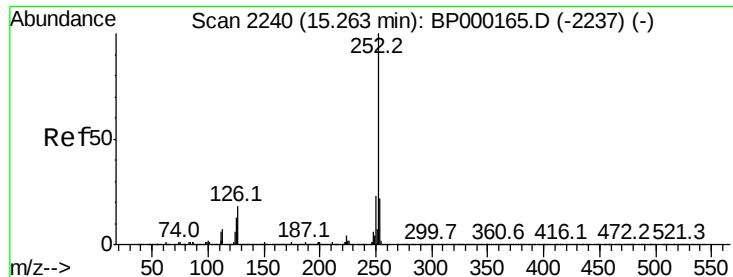


#88
 Benzo(b)fluoranthene
 Concen: 164.285 ng/ul
 RT: 15.35 min Scan# 2254
 Delta R.T. 0.12 min
 Lab File: BP000221.D
 Acq: 12 Sep 2019 18:07

Tgt Ion:252 Resp: 8481504

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.5	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 174.281 ng/ul

RT: 15.35 min Scan# 2254

Delta R.T. 0.09 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

ClientSampled :

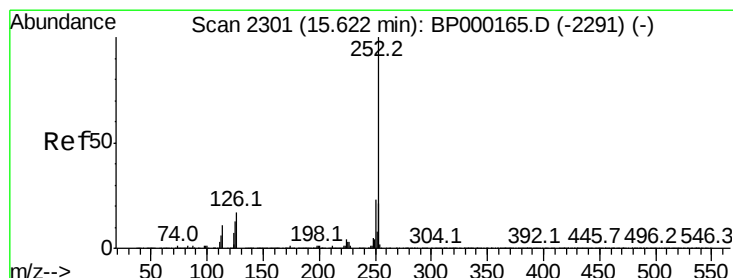
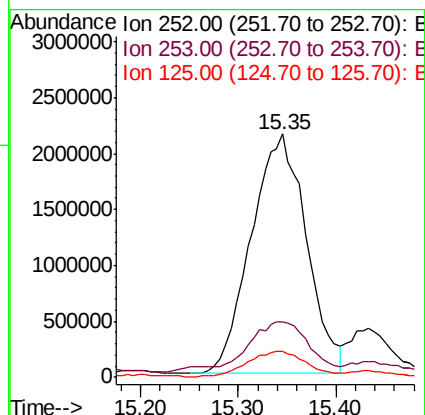
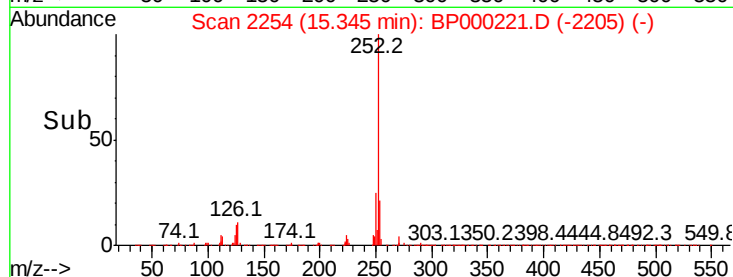
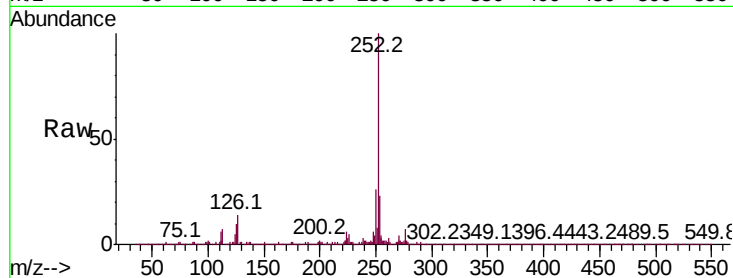
Tot Ion:252 Resp: 8481504

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 10.5 10.2 15.2



#91

Benzo(a)pyrene

Concen: 94.976 ng/ul

RT: 15.67 min Scan# 2309

Delta R.T. 0.05 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

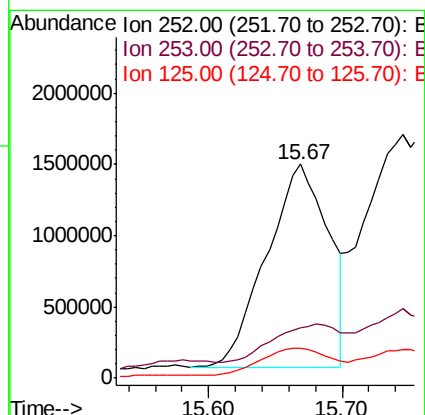
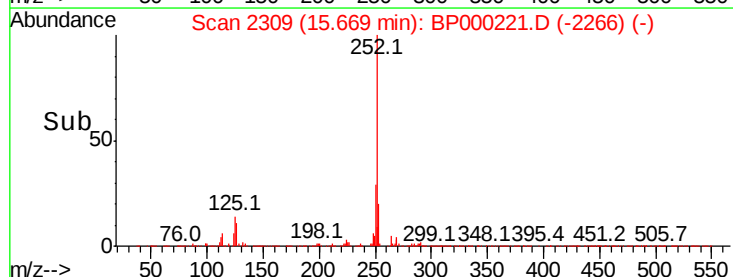
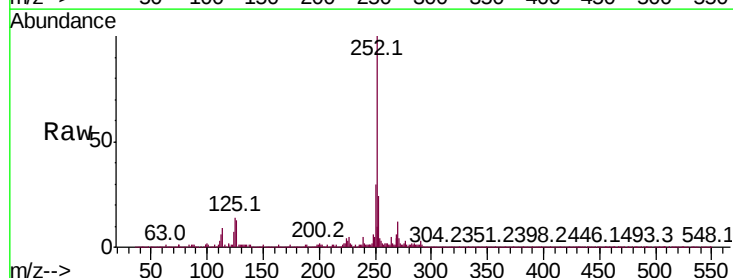
Tgt Ion:252 Resp: 4600485

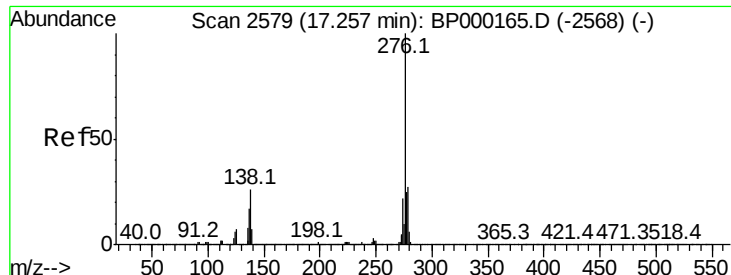
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 14.1 10.2 15.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 12.687 ng/ul

RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BP000221.D

Acq: 12 Sep 2019 18:07

Instrument :

BNA_P

ClientSampleId :

Tot Ion:276 Resp: 707000

Ion Ratio Lower Upper

276 100

138 34.1 20.0 30.0#

277 35.1 19.4 29.0#

