

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091019\
 Data File : BP000205.D
 Acq On : 11 Sep 2019 17:38
 Operator : HP/JU
 Sample : K4634-09
 Misc : GCMS CONFIRMATION
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 12 02:15:11 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	284131	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1119167	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.96	164	622100	20.00	ng/ul	0.01
62) Phenanthrene-d10	11.47	188	1111762	20.00	ng/ul	0.02
78) Chrysene-d12	14.20	240	631527	20.00	ng/ul	0.06
86) Perylene-d12	15.76	264	966018	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	39	0.00	ng/uL	0.00
5) Phenol-d5	6.49	99	32	0.00	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	6.58	67	136	0.01	ng/ul	0.00
9) 2-Chlorophenol-d4	6.65	132	13	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	10	0.00	ng/ul	0.00
19) Nitrobenzene-d5	7.43	128	99	0.01	ng/ul	-0.01
22) 2-Nitrophenol-d4	7.78	143	9	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	7.90	165	20	0.00	ng/ul	-0.11
29) 4-Chloroaniline-d4	8.23	131	1514	0.07	ng/ul	0.00
44) Dimethylphthalate-d6	9.64	166	331	0.01	ng/ul	0.00
47) Acenaphthylene-d8	9.96	160	283026	4.99	ng/ul	0.17
52) 4-Nitrophenol-d4	10.05	143	366	0.04	ng/ul	0.02
58) Fluorene-d10	10.48	176	1797	0.05	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	10.54	200	30	0.01	ng/ul	0.01
71) Anthracene-d10	11.47	188	1111762	20.65	ng/ul	-0.04
79) Pyrene-d10	12.96	212	8453	0.23	ng/ul	0.07
90) Benzo(a)pyrene-d12	15.65	264	2871	0.06	ng/ul	0.06

Target Compounds

					Ovalue	
28) Naphthalene	8.20	128	840871	13.793	ng/ul	99
30) 4-Chloroaniline	8.20	127	111760	5.075	ng/ul#	11
34) 2-Methylnaphthalene	8.90	142	278870	6.698	ng/ul	99
35) 1-Methylnaphthalene	9.00	142	172119	4.332	ng/ul	99
41) 1,1'-Biphenyl	9.37	154	85286	1.664	ng/ul	98
50) Acenaphthene	9.99	153	1453407	35.367	ng/ul	98
54) Dibenzofuran	10.16	168	966495	17.142	ng/ul	99
59) Fluorene	10.51	166	1021029	23.410	ng/ul	99
61) 4-Nitroaniline	10.51	138	11733	1.287	ng/ul#	25
70) Phenanthrene	11.55	178	1746137	26.559	ng/ul	99
72) Anthracene	11.55	178	1744439	26.964	ng/ul	99
77) Fluoranthene	12.75	202	15805091	238.341	ng/ul	99
80) Pyrene	12.98	202	10856689	227.861	ng/ul#	91
83) Benzo(a)anthracene	14.20	228	9256211	202.479	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	14.20	149	38917	1.499	ng/ul#	63
85) Chrysene	14.25	228	7197029	171.566	ng/ul	93
88) Benzo(b)fluoranthene	15.32	252	6967454	108.823	ng/ul	98
89) Benzo(k)fluoranthene	15.32	252	6967454	115.445	ng/ul	99
91) Benzo(a)pyrene	15.68	252	130868	2.179	ng/ul#	60
92) Indeno(1,2,3-cd)pyrene	17.34	276	277588	4.017	ng/ul#	80
93) Dibenzo(a,h)anthracene	17.36	278	417180	7.288	ng/ul#	91

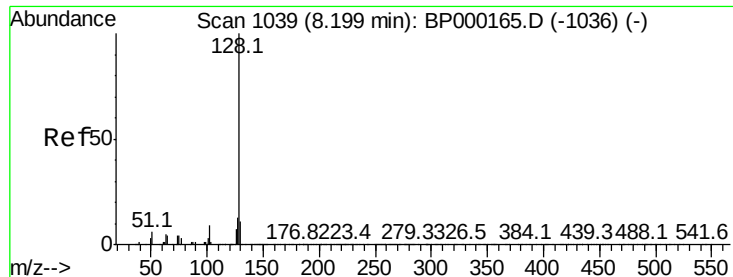
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
Data File : BP000205.D
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

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

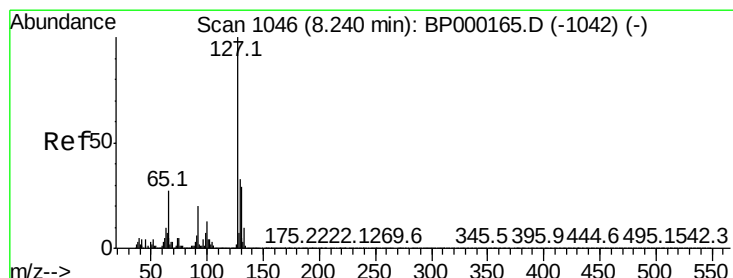
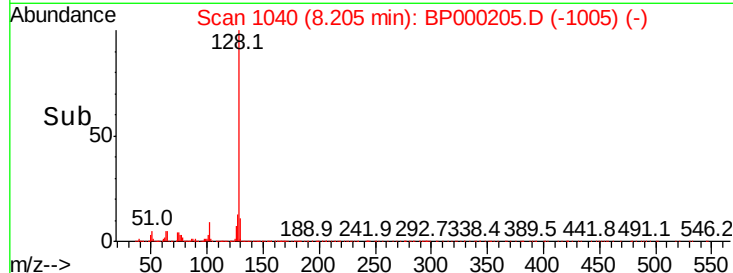
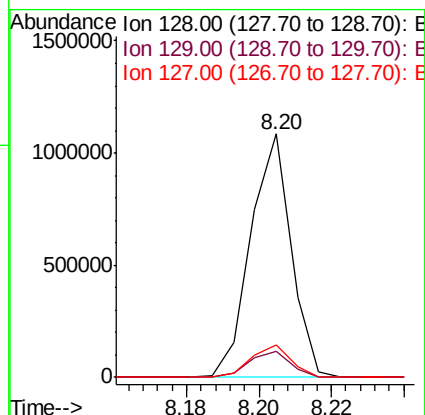
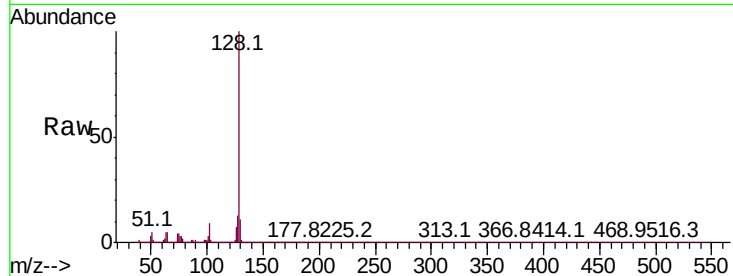
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#28
Naphthalene
Concen: 13.793 ng/ul
RT: 8.20 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

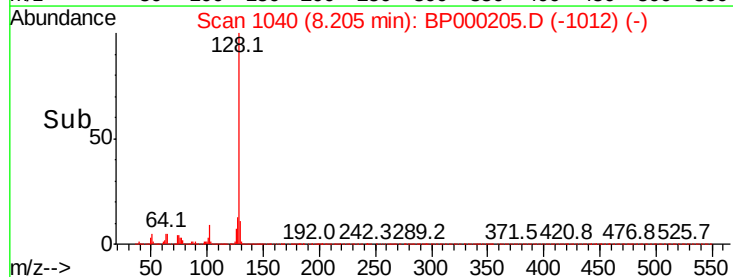
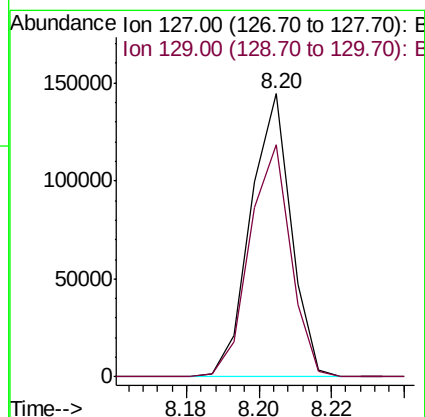
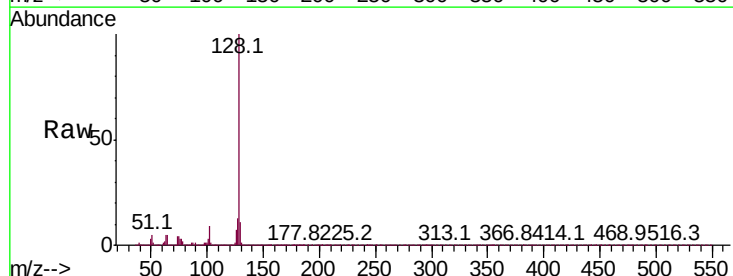
Instrument :
BNA_P
ClientSampled :

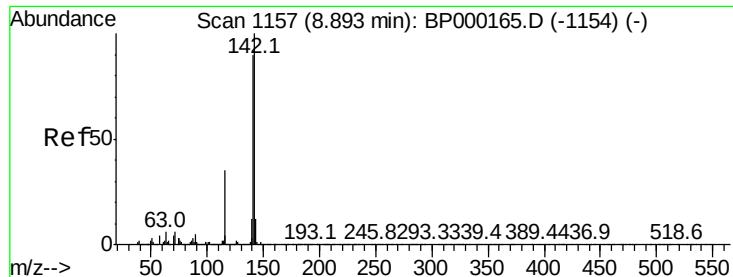
Tot Ion:128 Resp: 840871
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.3 10.7 16.1



#30
4-Chloroaniline
Concen: 5.075 ng/ul
RT: 8.20 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion:127 Resp: 111760
Ion Ratio Lower Upper
127 100
129 81.8 25.6 38.4#

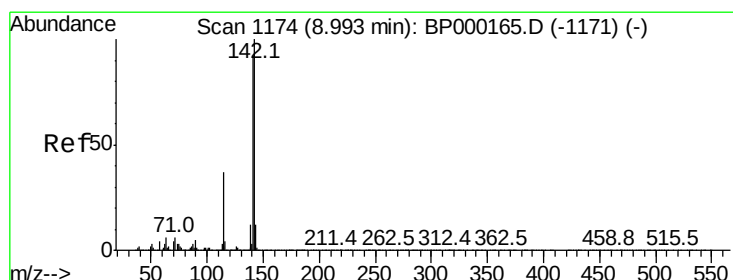
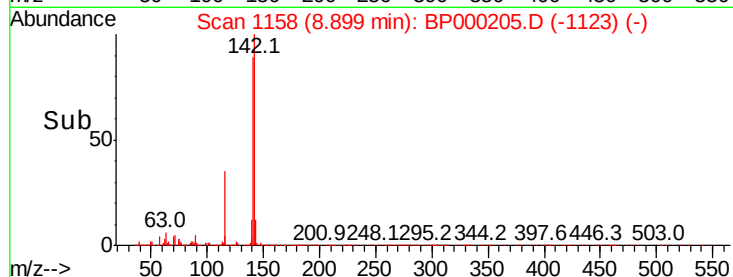
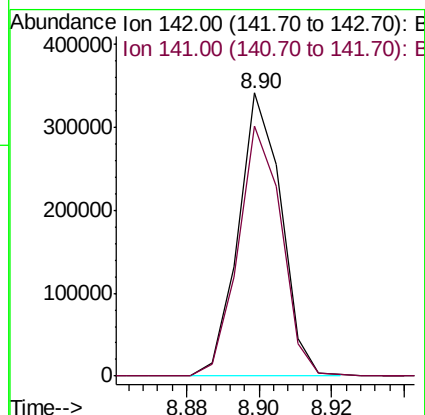
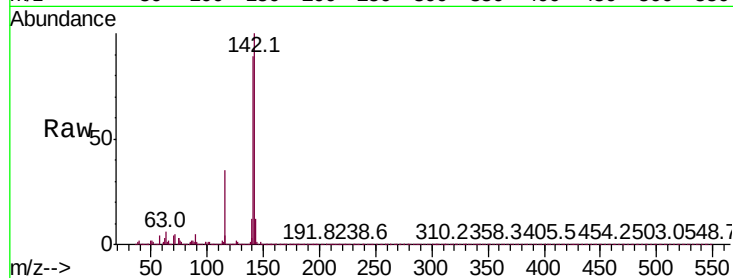




#34
2-Methylnaphthalene
Concen: 6.698 ng/ul
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

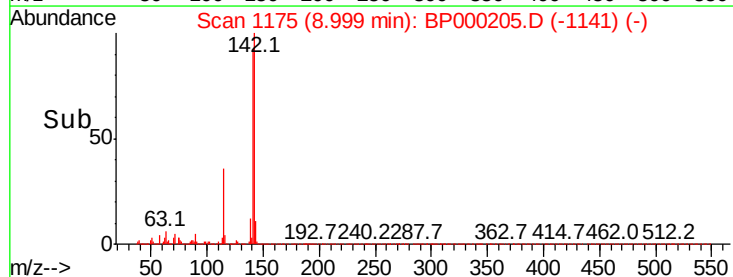
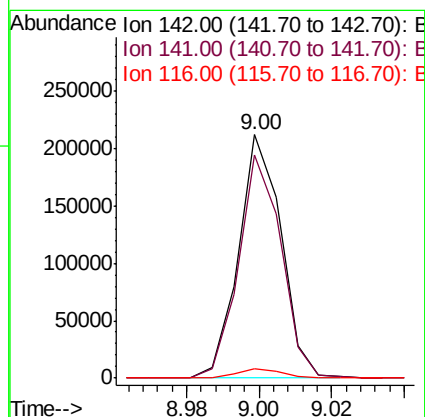
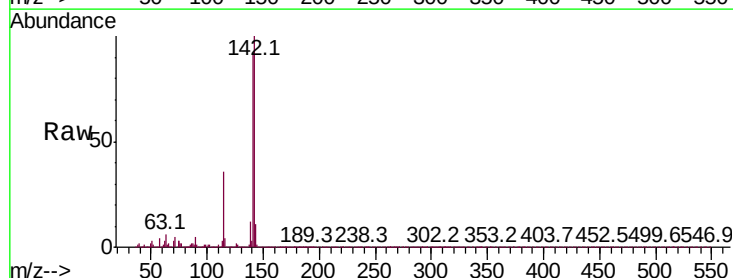
Instrument :
BNA_P
ClientSampleId :

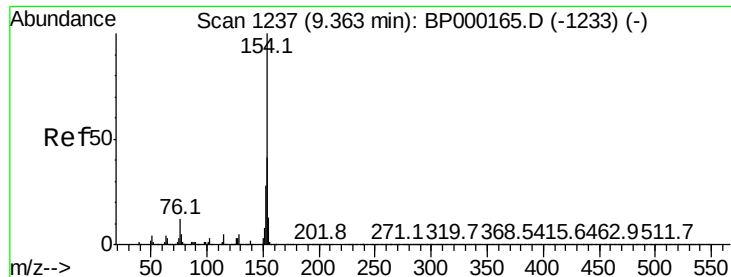
Tot Ion:142 Resp: 278870
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0



#35
1-Methylnaphthalene
Concen: 4.332 ng/ul
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion:142 Resp: 172119
Ion Ratio Lower Upper
142 100
141 91.9 73.9 110.9
116 3.8 3.0 4.6

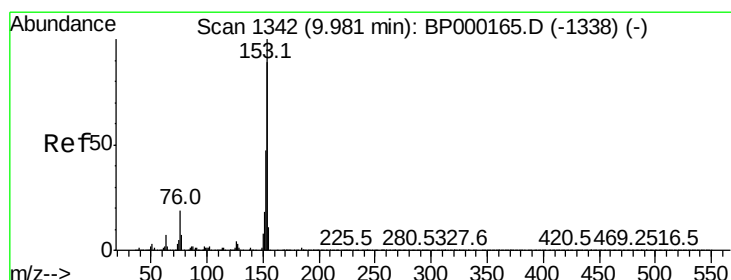
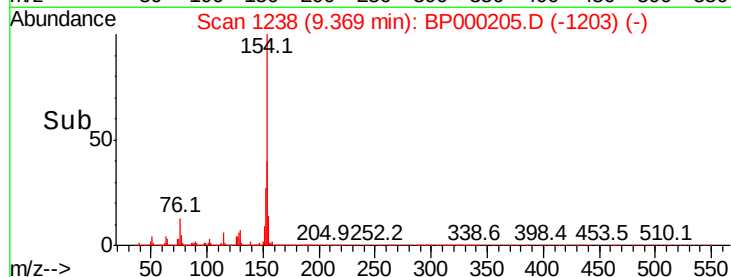
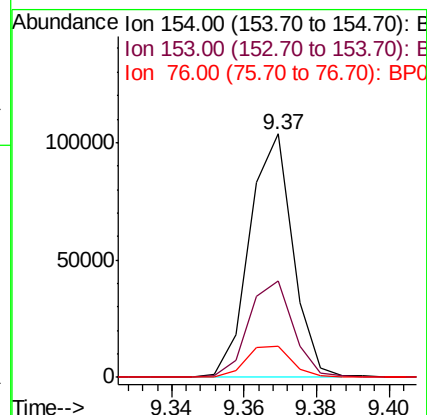
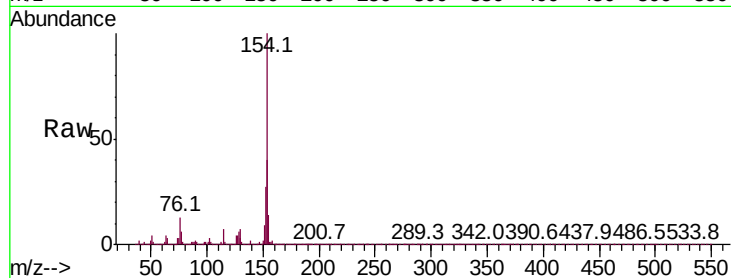




#41
1,1'-Biphenyl
Concen: 1.664 ng/ul
RT: 9.37 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

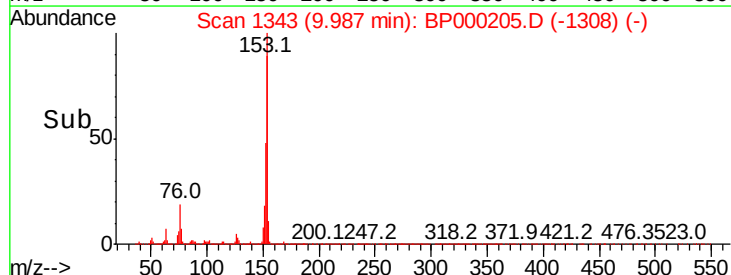
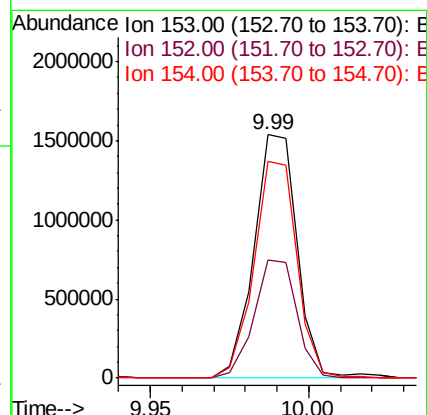
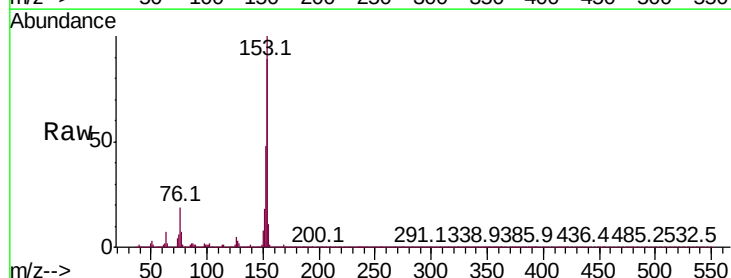
Instrument :
BNA_P
ClientSampleId :

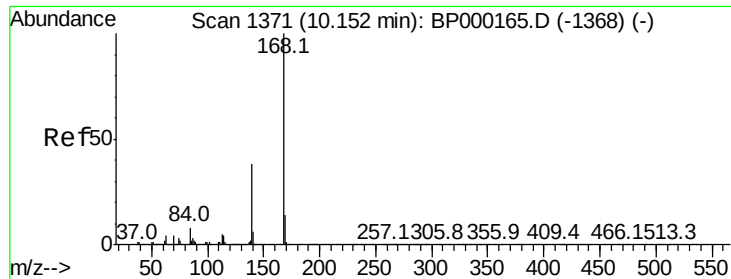
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.6	48.8
76	12.6	11.5	17.3



#50
Acenaphthene
Concen: 35.367 ng/ul
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.4	38.0	57.0
154	88.9	72.6	108.8





#54

Dibenzenofuran

Concen: 17.142 ng/ul

RT: 10.16 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

Instrument :

BNA_P

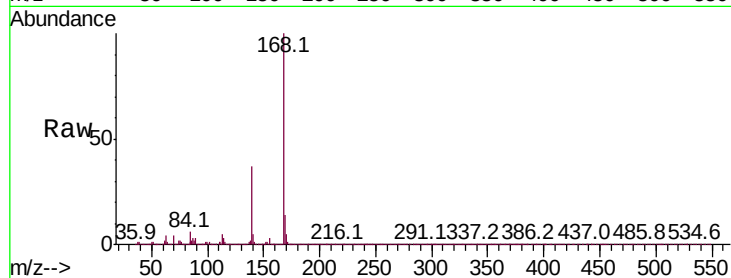
ClientSampleId :

Tot Ion:168 Resp: 966495

Ion Ratio Lower Upper

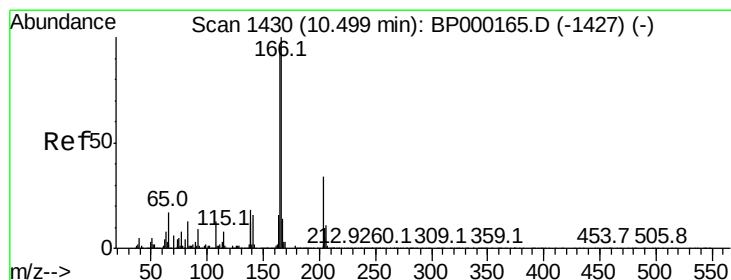
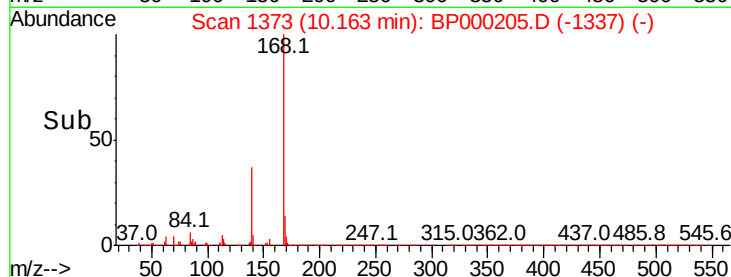
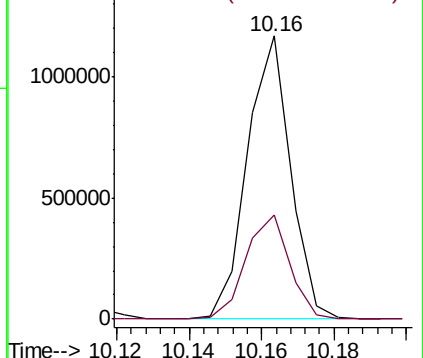
168 100

139 36.7 30.0 45.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 23.410 ng/ul

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

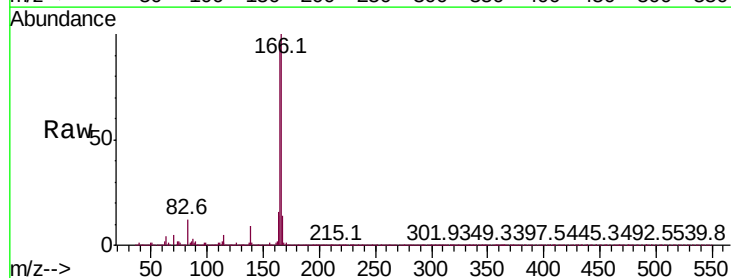
Tgt Ion:166 Resp: 1021029

Ion Ratio Lower Upper

166 100

165 96.0 77.8 116.8

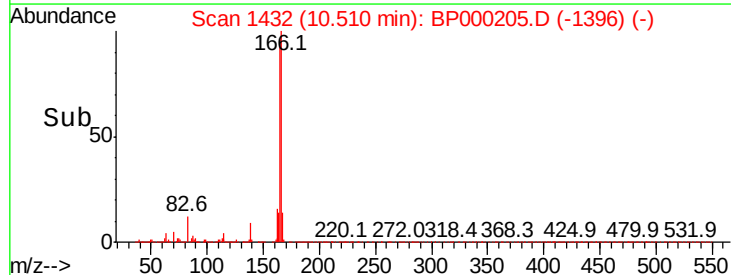
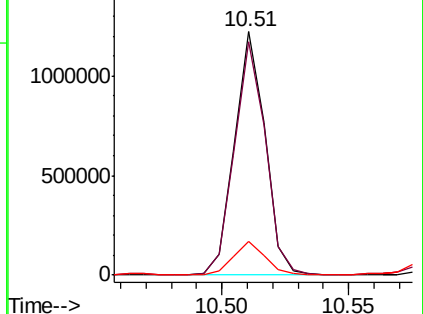
167 13.8 10.9 16.3

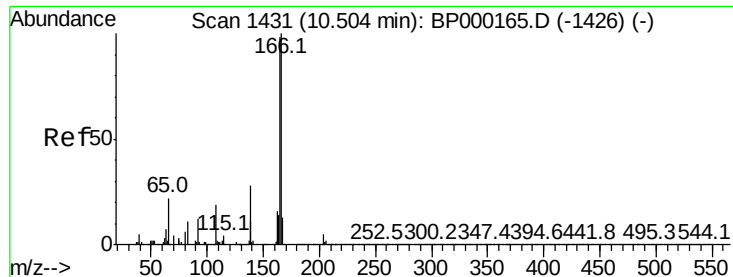


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

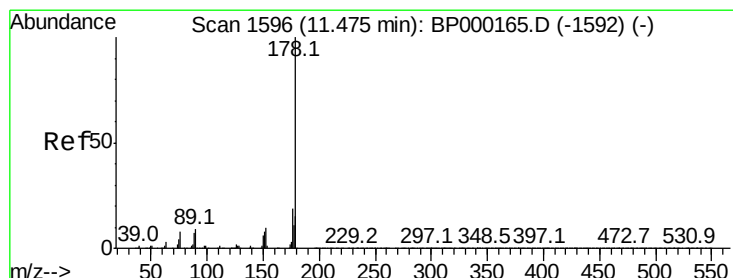
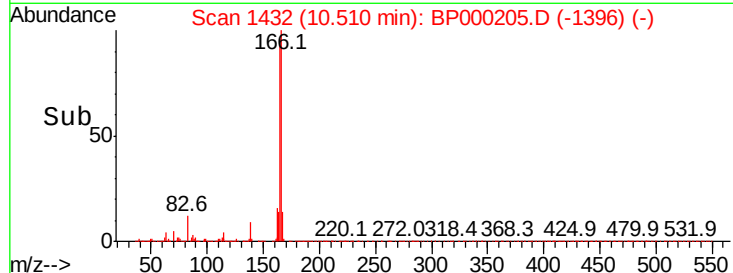
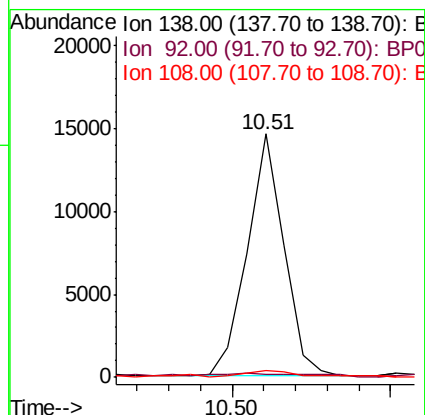
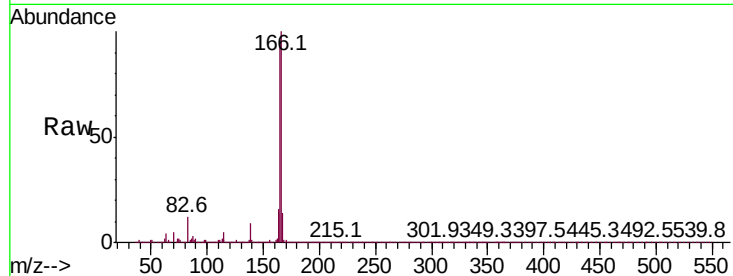




#61
4-Nitroaniline
Concen: 1.287 ng/ul
RT: 10.51 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

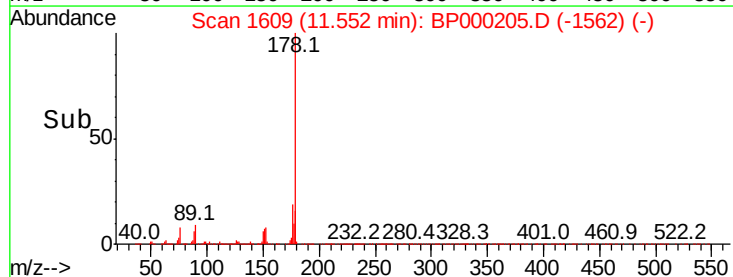
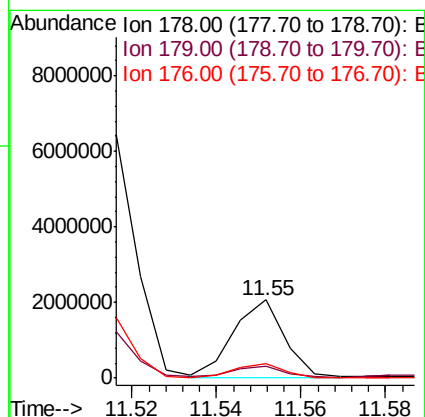
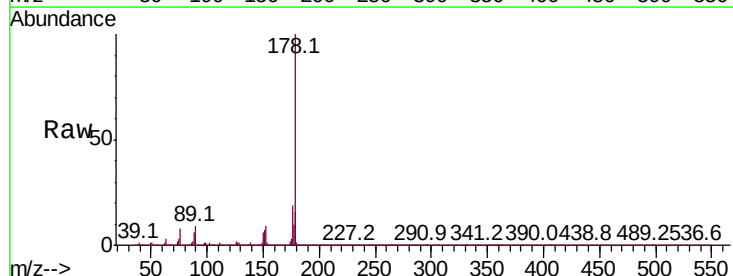
Instrument :
BNA_P
ClientSampleId :

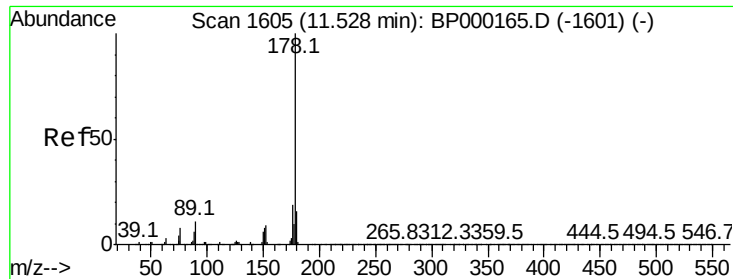
Tot Ion:138 Resp: 11733
Ion Ratio Lower Upper
138 100
92 1.3 36.6 55.0#
108 2.7 54.2 81.2#



#70
Phenanthrene
Concen: 26.559 ng/ul
RT: 11.55 min Scan# 1609
Delta R.T. 0.08 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion:178 Resp: 1746137
Ion Ratio Lower Upper
178 100
179 15.9 12.5 18.7
176 18.7 15.7 23.5





#72

Anthracene

Concen: 26.964 ng/ul

RT: 11.55 min Scan# 1609

Delta R.T. 0.02 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

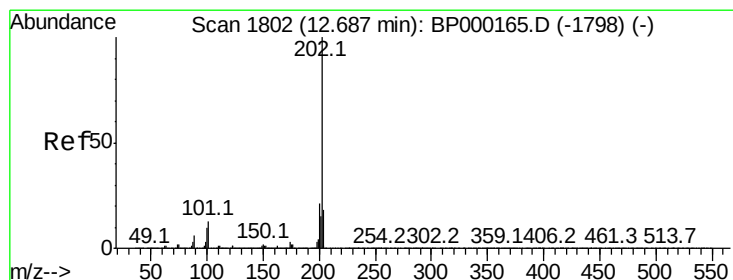
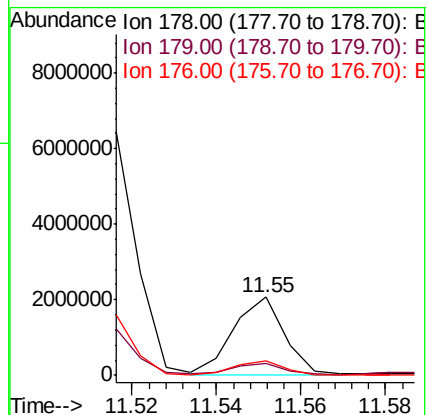
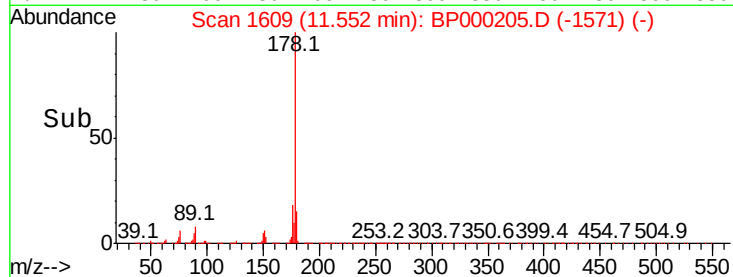
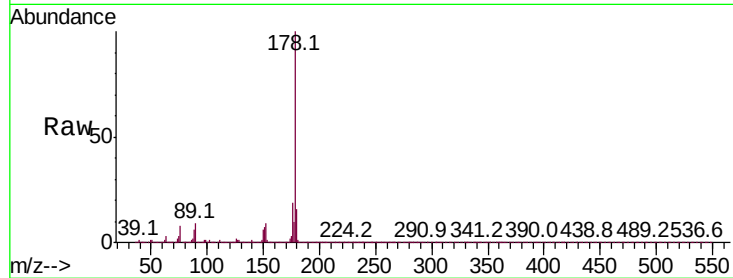
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 1744439

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	18.7	15.1	22.7



#77

Fluoranthene

Concen: 238.341 ng/ul

RT: 12.75 min Scan# 1812

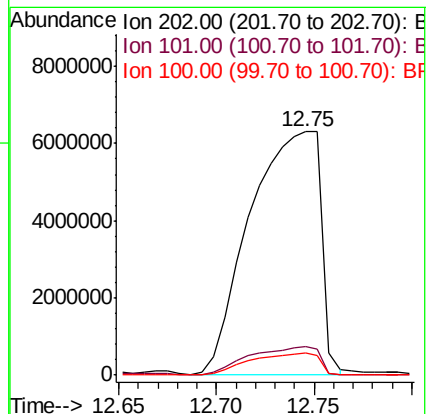
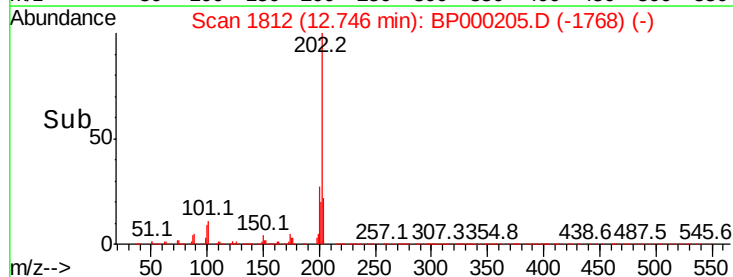
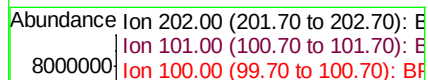
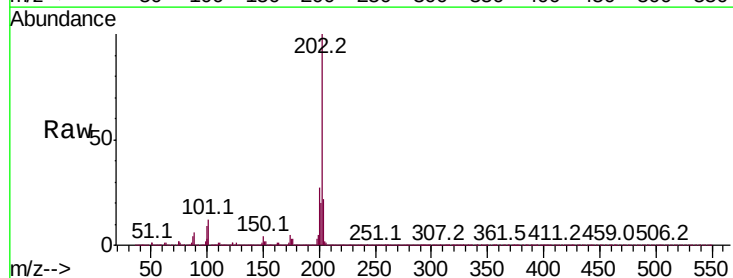
Delta R.T. 0.06 min

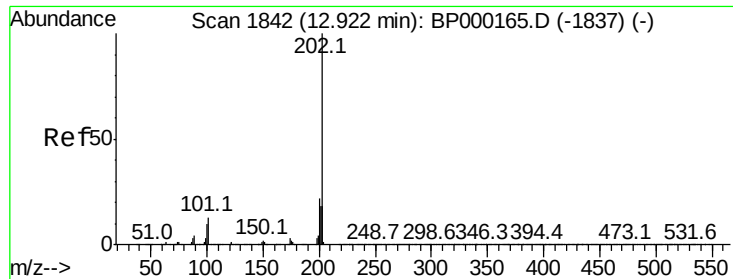
Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

Tgt Ion:202 Resp:15805091

Ion	Ratio	Lower	Upper
202	100		
101	11.7	10.0	15.0
100	9.1	7.4	11.2

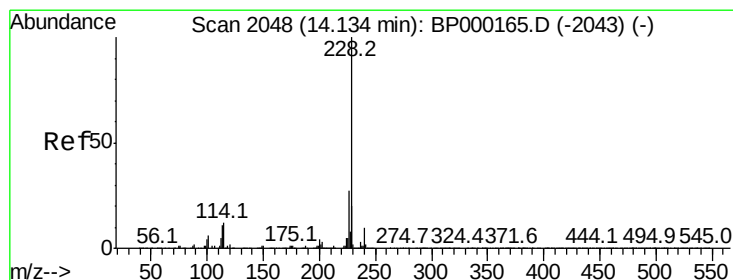
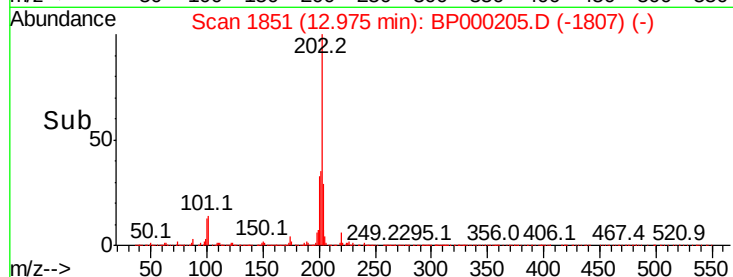
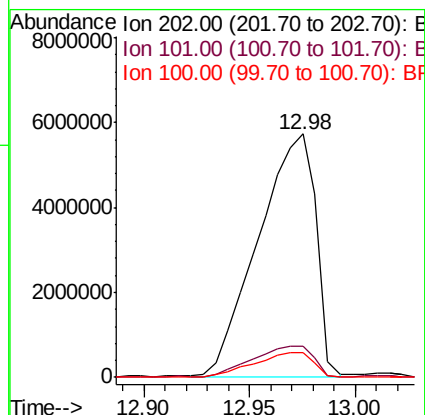
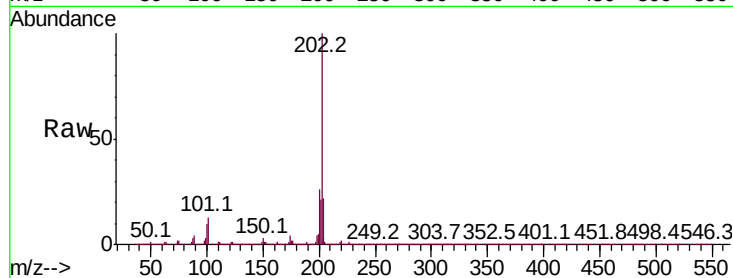




#80
Pvrene
Concen: 227.861 ng/ul
RT: 12.98 min Scan# 1851
Delta R.T. 0.06 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

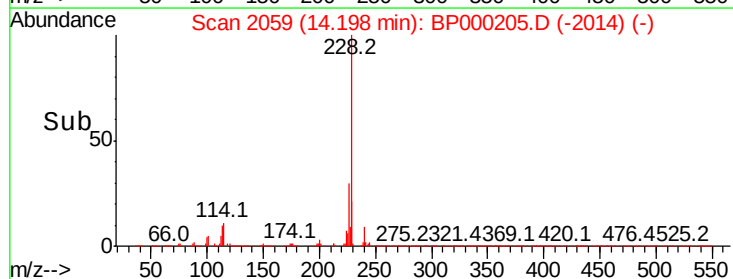
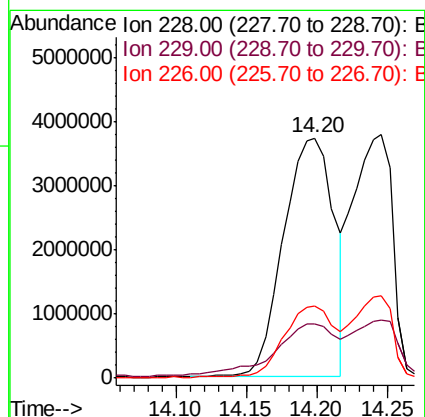
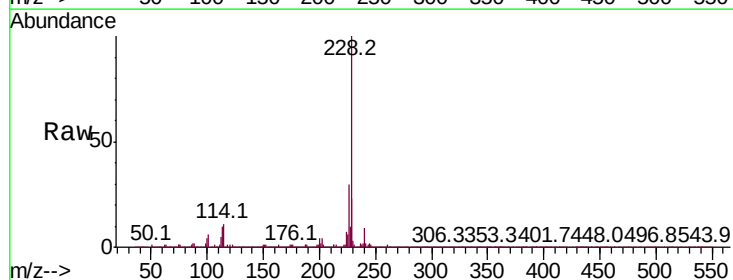
Instrument :
BNA_P
ClientSampleId :

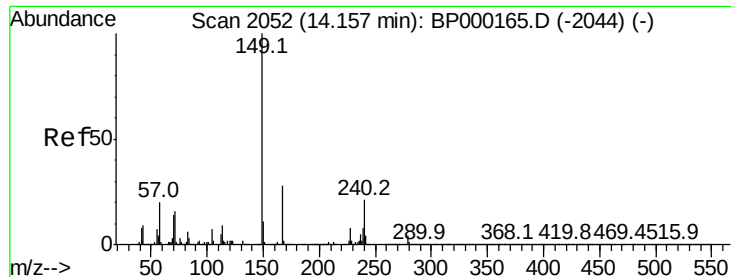
Tot Ion:202 Resp:10856689
Ion Ratio Lower Upper
202 100
101 12.7 13.4 20.0#
100 10.1 10.8 16.2#



#83
Benzo(a)anthracene
Concen: 202.479 ng/ul
RT: 14.20 min Scan# 2059
Delta R.T. 0.07 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion:228 Resp: 9256211
Ion Ratio Lower Upper
228 100
229 22.6 15.9 23.9
226 30.0 22.1 33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.499 ng/ul

RT: 14.20 min Scan# 2059

Delta R.T. 0.05 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

Instrument :

BNA_P

ClientSampled :

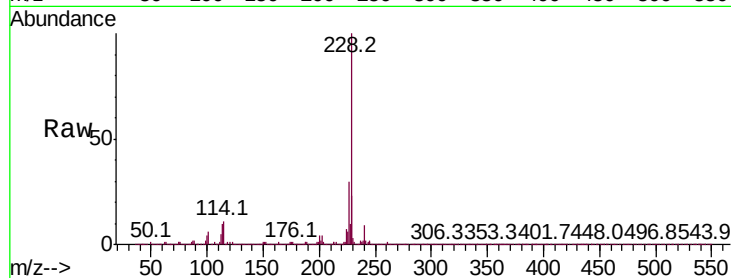
Tot Ion:149 Resp: 38917

Ion Ratio Lower Upper

149 100

167 5.7 21.8 32.8#

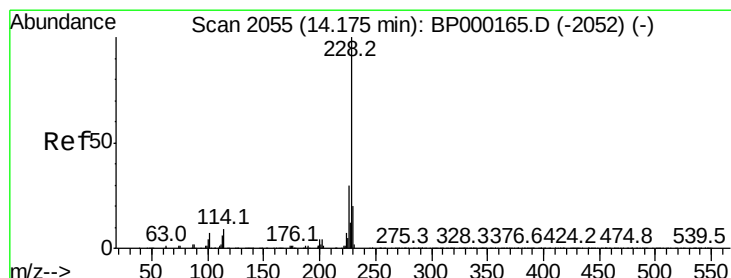
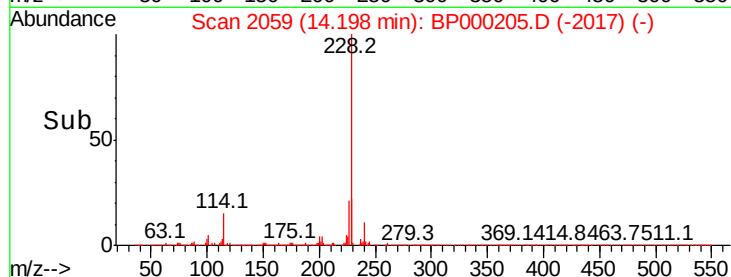
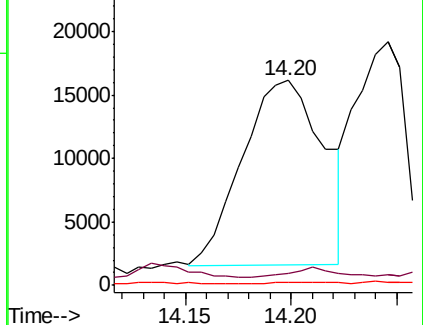
279 1.2 3.0 4.4#



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: 171.566 ng/ul

RT: 14.25 min Scan# 2067

Delta R.T. 0.08 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

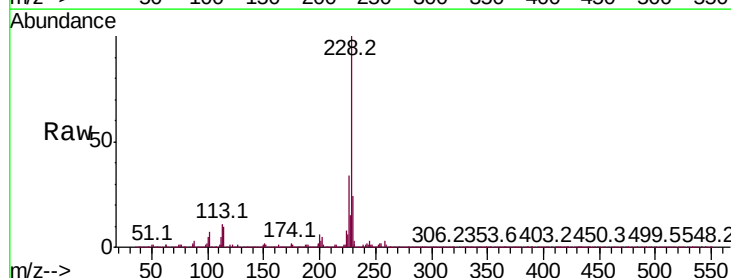
Tgt Ion:228 Resp: 7197029

Ion Ratio Lower Upper

228 100

226 34.1 24.4 36.6

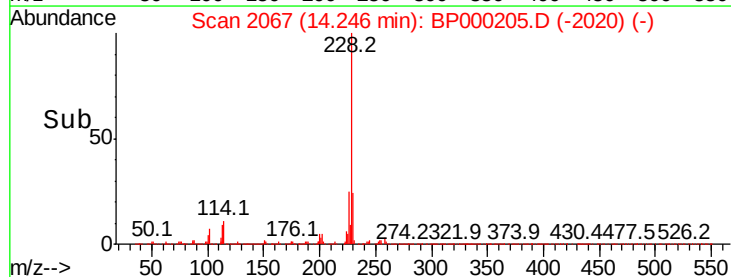
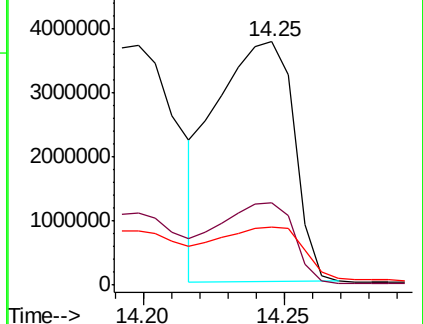
229 23.8 16.0 24.0

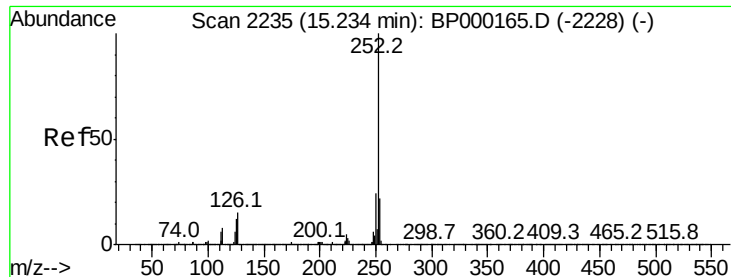


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

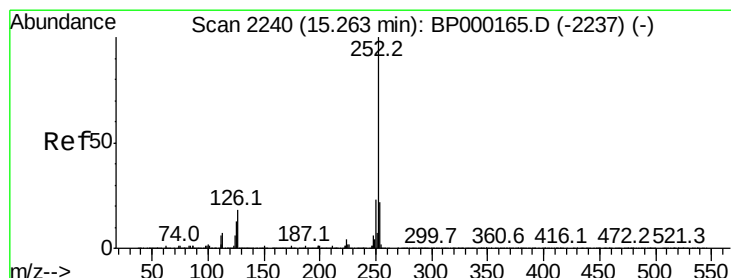
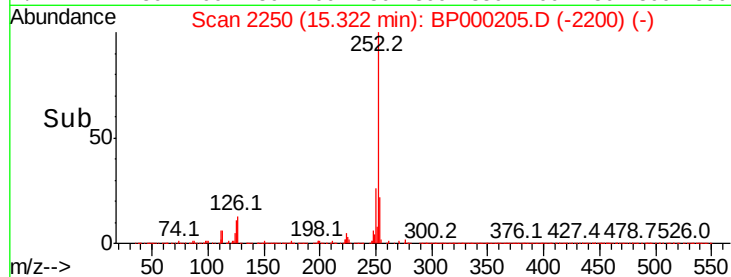
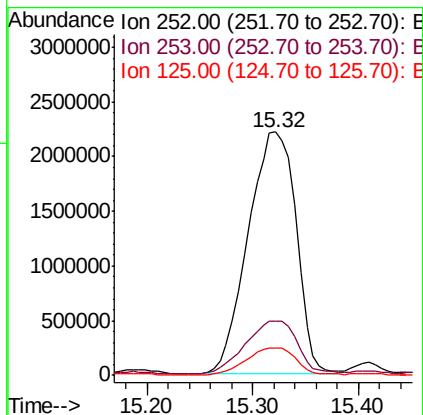
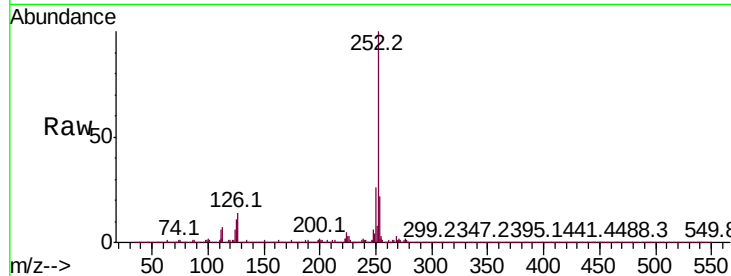




#88
Benzo(b)fluoranthene
Concen: 108.823 ng/ul
RT: 15.32 min Scan# 2250
Delta R.T. 0.09 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

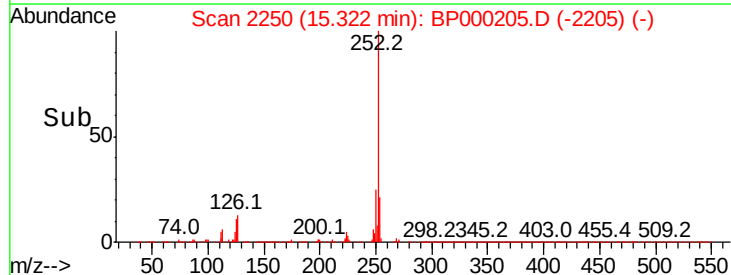
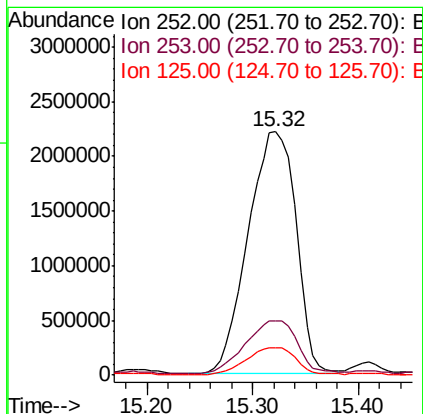
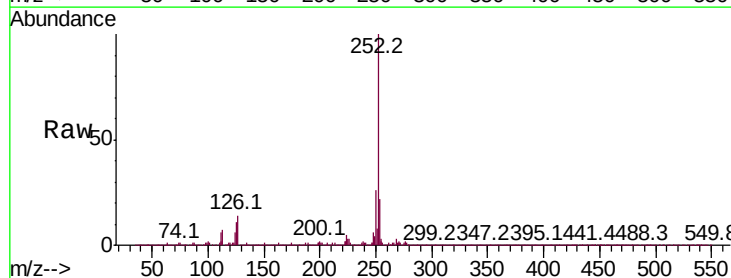
Instrument :
BNA_P
ClientSampleId :

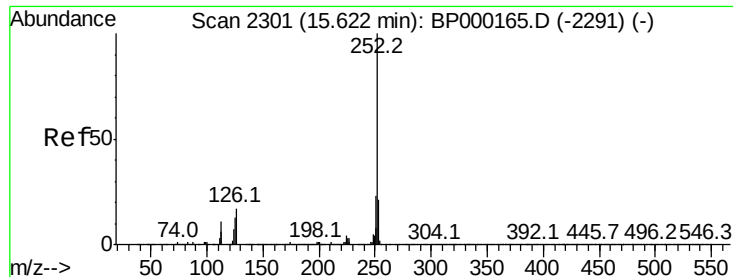
Tot Ion:252 Resp: 6967454
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 11.3 9.9 14.9



#89
Benzo(k)fluoranthene
Concen: 115.445 ng/ul
RT: 15.32 min Scan# 2250
Delta R.T. 0.07 min
Lab File: BP000205.D
Acq: 11 Sep 2019 17:38

Tgt Ion:252 Resp: 6967454
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 11.3 10.2 15.2





#91

Benzo(a)pyrene

Concen: 2.179 ng/ul

RT: 15.68 min Scan# 2311

Delta R.T. 0.07 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

Instrument :

BNA_P

ClientSampleId :

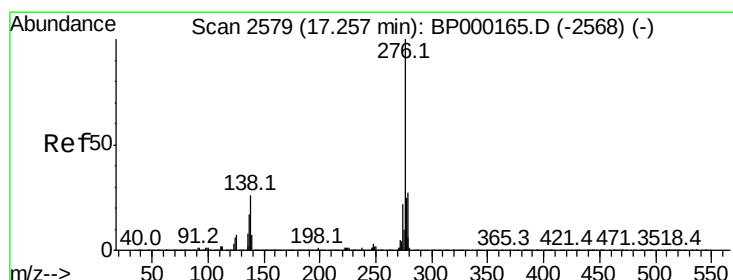
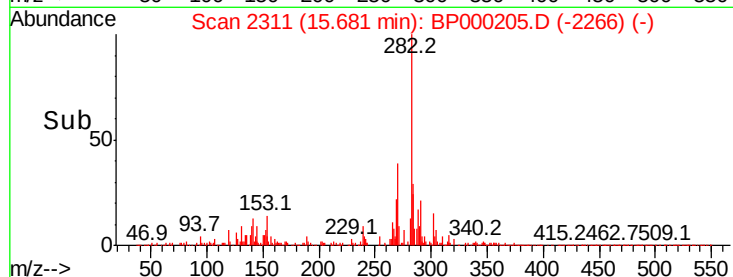
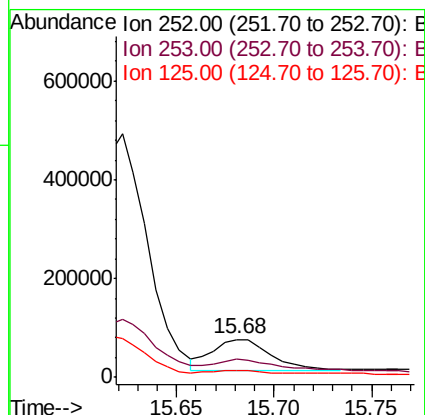
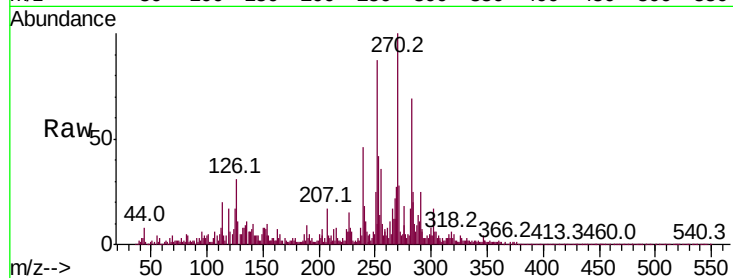
Tot Ion:252 Resp: 130868

Ion Ratio Lower Upper

252 100

253 47.8 17.5 26.3#

125 18.9 10.2 15.2#



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.017 ng/ul

RT: 17.34 min Scan# 2593

Delta R.T. 0.09 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

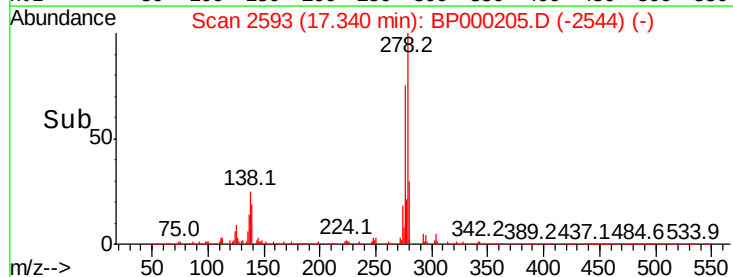
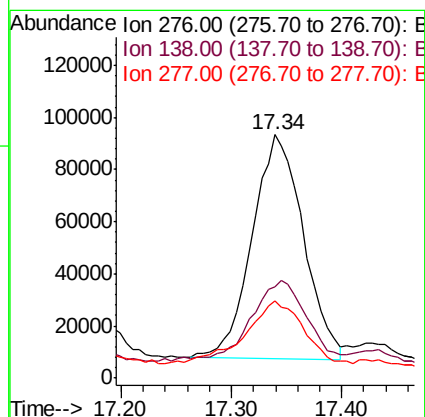
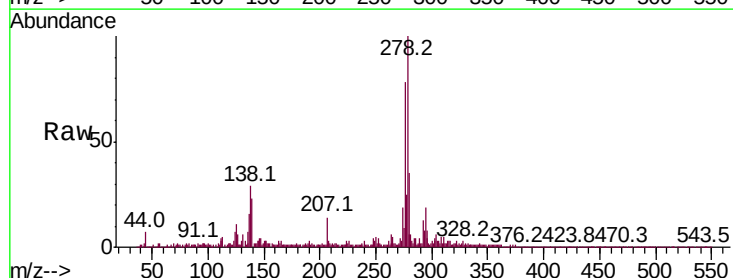
Tgt Ion:276 Resp: 277588

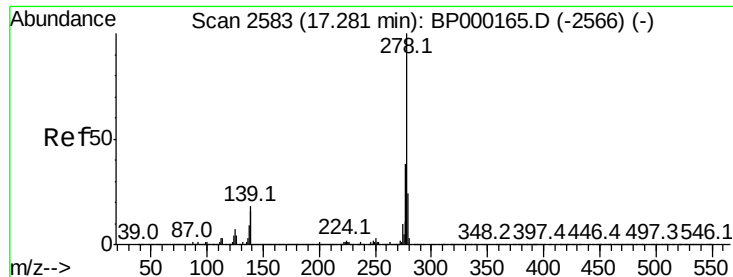
Ion Ratio Lower Upper

276 100

138 37.4 20.0 30.0#

277 31.5 19.4 29.0#





#93

Dibenzo(a,h)anthracene

Concen: 7.288 ng/ul

RT: 17.36 min Scan# 2596

Delta R.T. 0.08 min

Lab File: BP000205.D

Acq: 11 Sep 2019 17:38

Instrument :

BNA_P

ClientSampleId :

Tot Ion:278 Resp: 417180

Ion Ratio Lower Upper

278 100

139 19.5 15.1 22.7

279 31.4 19.2 28.8#

