

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000212.D
 Acq On : 12 Sep 2019 12:49
 Operator : HP/JU
 Sample : K4634-09 30X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:46:52 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	342739	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1304351	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	667012	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1105466	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	643051	20.00	ng/ul	0.03
86) Perylene-d12	15.75	264	802299	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	40	0.00	ng/uL	0.00
5) Phenol-d5	6.50	99	11569	0.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	7671	0.50	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	11086	0.47	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	9029	0.41	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	4594	0.46	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	4514	0.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	7879	0.38	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	5140	0.20	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	27051	0.55	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	34063	0.56	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	2609	0.30	ng/ul	0.00
58) Fluorene-d10	10.47	176	22948	0.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	482	0.09	ng/ul	0.01
71) Anthracene-d10	11.51	188	33057	0.62	ng/ul	0.00
79) Pyrene-d10	12.91	212	26806	0.70	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.65	264	25175	0.61	ng/ul	0.06

Target Compounds

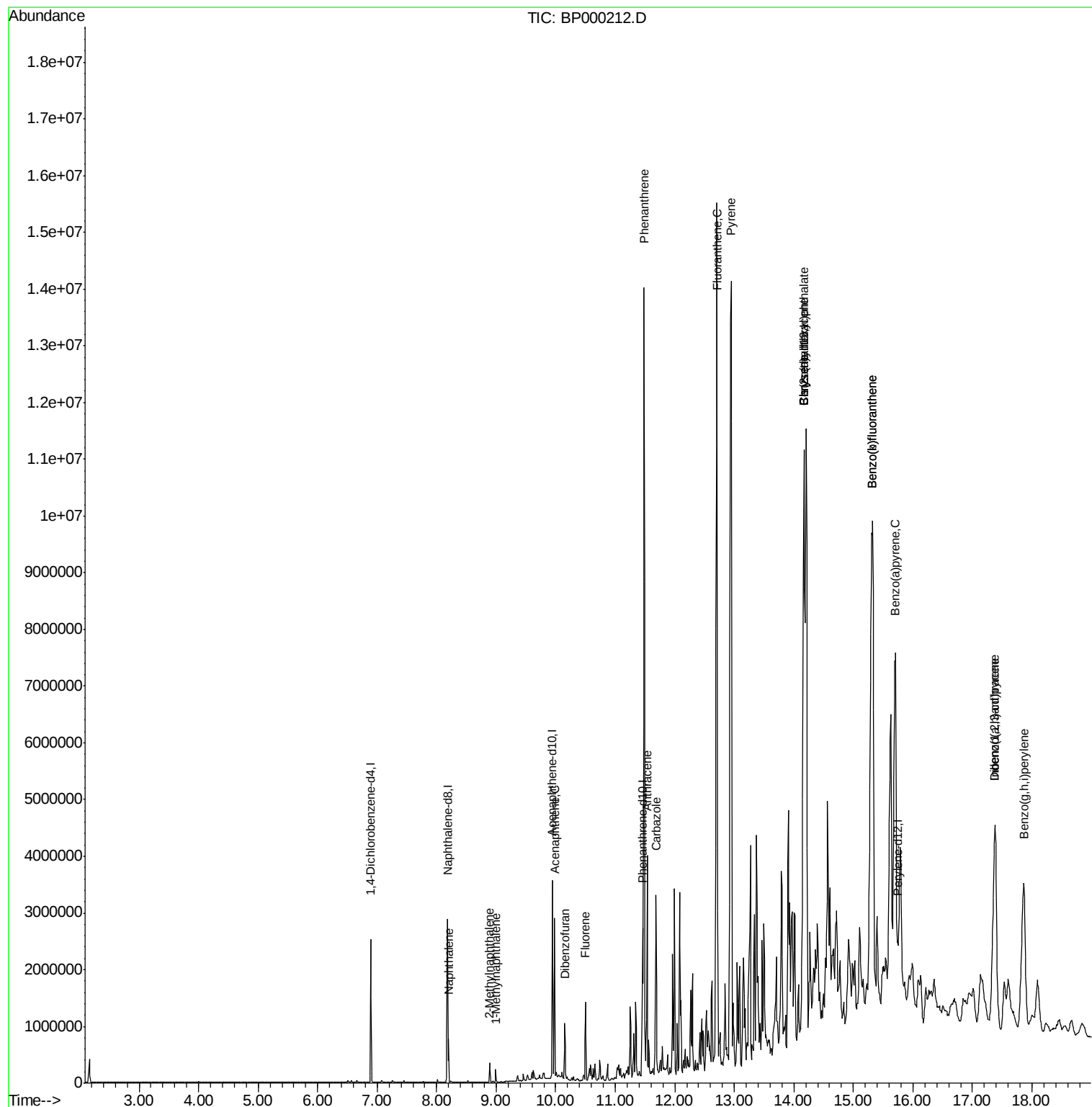
					Ovalue	
28) Naphthalene	8.20	128	276930	3.898	ng/ul	99
34) 2-Methylnaphthalene	8.89	142	84771	1.747	ng/ul	93
35) 1-Methylnaphthalene	8.99	142	56011	1.210	ng/ul	97
50) Acenaphthene	9.98	153	622689	14.132	ng/ul	99
54) Dibenzofuran	10.15	168	332954	5.508	ng/ul	100
59) Fluorene	10.50	166	350396	7.493	ng/ul	98
70) Phenanthrene	11.49	178	6130392	93.774	ng/ul	94
72) Anthracene	11.53	178	1475510	22.937	ng/ul	99
75) Carbazole	11.69	167	1247028	22.673	ng/ul	97
77) Fluoranthene	12.71	202	10014198	151.874	ng/ul	97
80) Pyrene	12.95	202	9092743	187.419	ng/ul#	93
83) Benzo(a)anthracene	14.17	228	7362702	158.172	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	14.16	149	34507	1.305	ng/ul#	70
85) Chrysene	14.17	228	7377654	172.720	ng/ul	96
88) Benzo(b)fluoranthene	15.31	252	8252965	155.205	ng/ul	97
89) Benzo(k)fluoranthene	15.31	252	8252965	164.649	ng/ul	97
91) Benzo(a)pyrene	15.70	252	6846009	137.220	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	17.37	276	4776875	83.226	ng/ul	96
93) Dibenzo(a,h)anthracene	17.39	278	1211929	25.493	ng/ul	94
94) Benzo(g,h,i)perylene	17.86	276	4214464	88.067	ng/ul	97

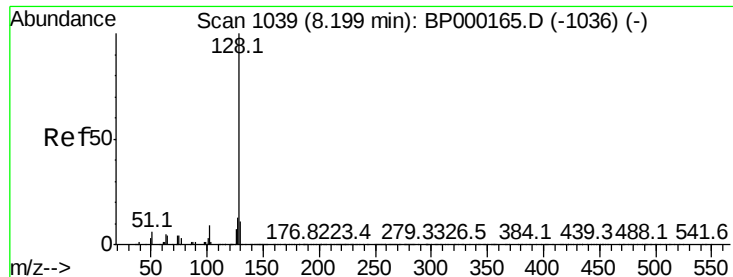
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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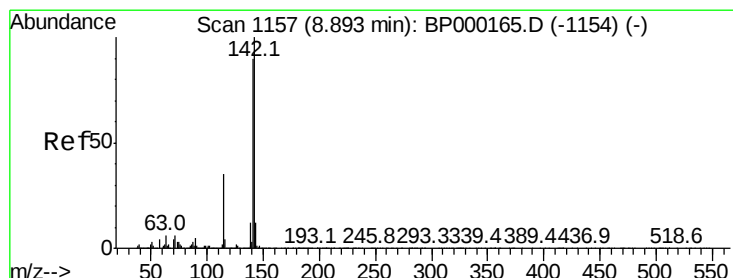
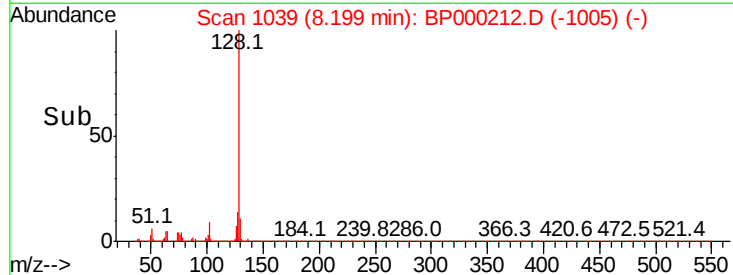
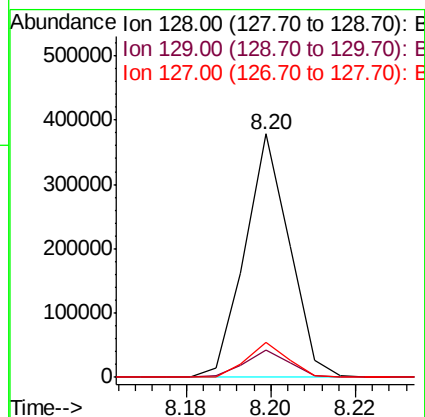
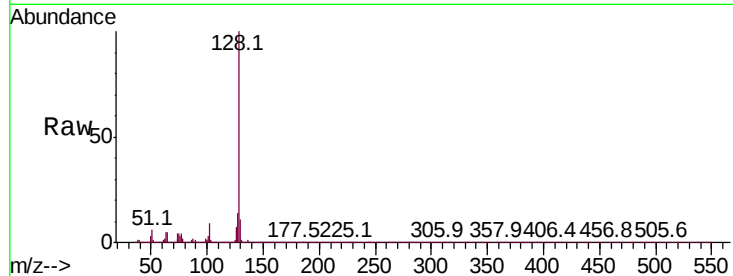




#28
Naphthalene
Concen: 3.898 ng/ul
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

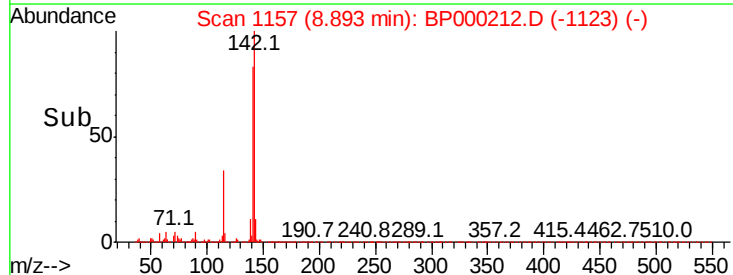
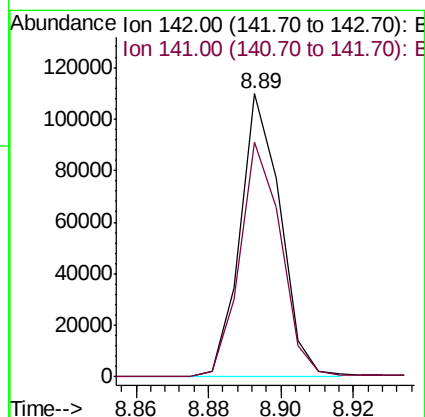
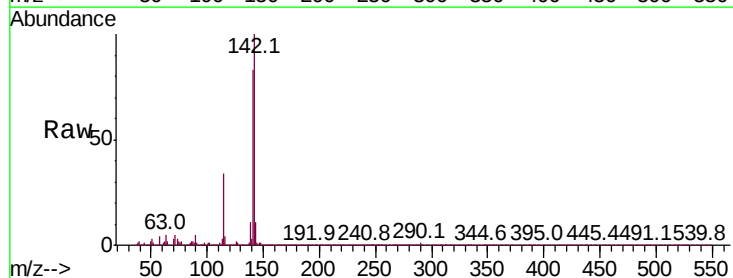
Instrument :
BNA_P
ClientSampleId :

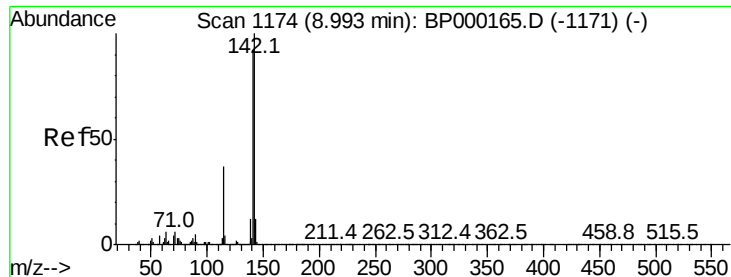
Tot Ion:128 Resp: 276930
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 14.1 10.7 16.1



#34
2-Methylnaphthalene
Concen: 1.747 ng/ul
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

Tgt Ion:142 Resp: 84771
Ion Ratio Lower Upper
142 100
141 82.8 71.4 107.0





#35

1-Methylnaphthalene

Concen: 1.210 ng/ul

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Instrument :

BNA_P

ClientSampled :

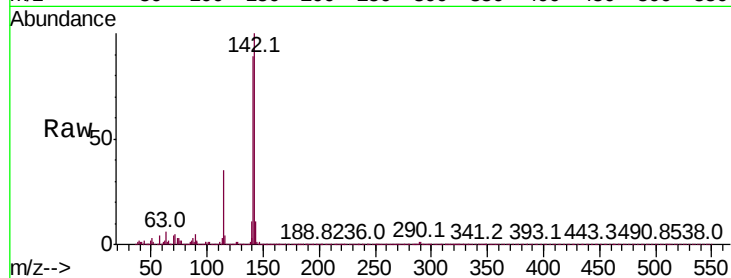
Tot Ion:142 Resp: 56011

Ion Ratio Lower Upper

142 100

141 89.0 73.9 110.9

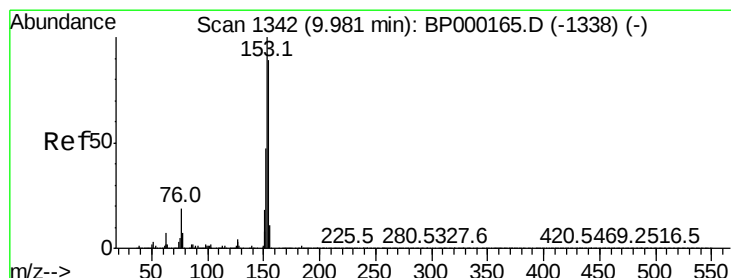
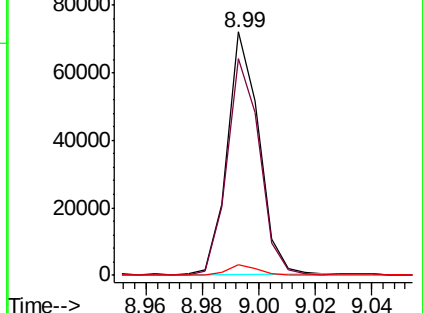
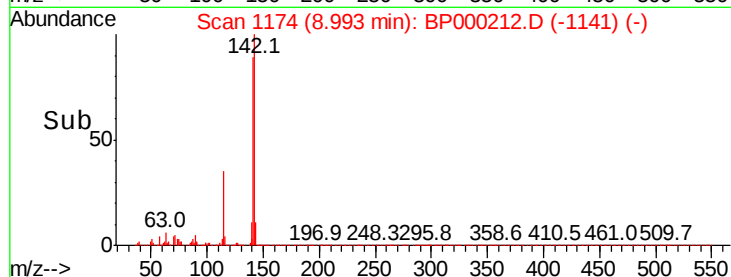
116 4.3 3.0 4.6



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



#50

Acenaphthene

Concen: 14.132 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

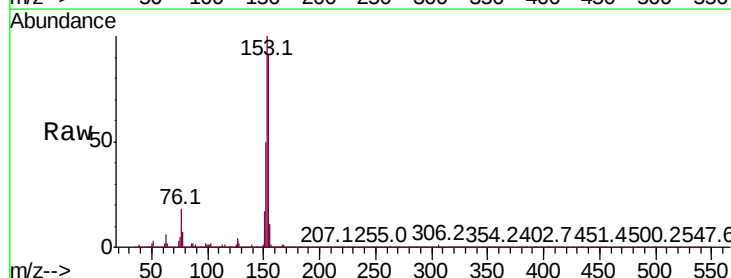
Tgt Ion:153 Resp: 622689

Ion Ratio Lower Upper

153 100

152 49.8 38.0 57.0

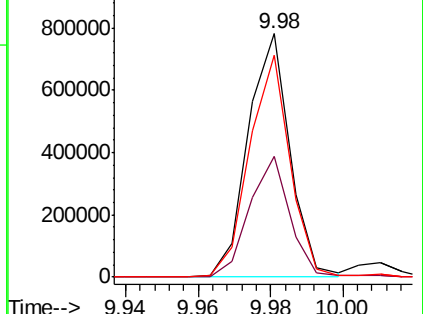
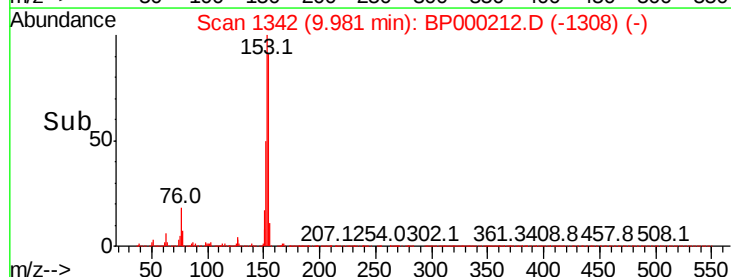
154 90.9 72.6 108.8

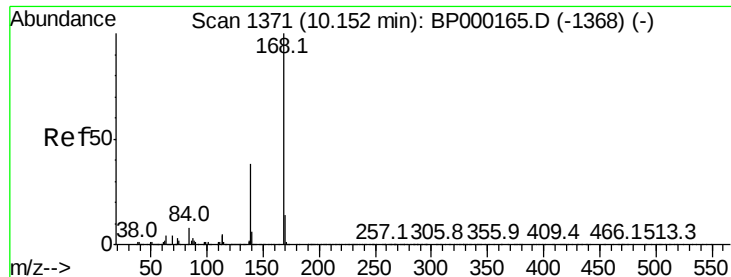


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.508 ng/ul

RT: 10.15 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Instrument :

BNA_P

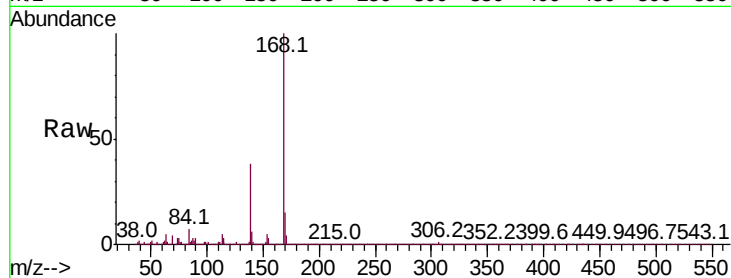
ClientSampleId :

Tot Ion:168 Resp: 332954

Ion Ratio Lower Upper

168 100

139 37.5 30.0 45.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

400000

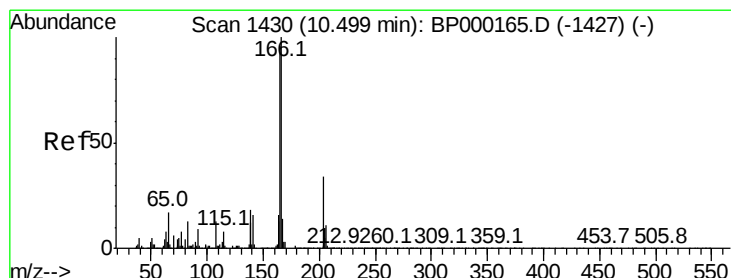
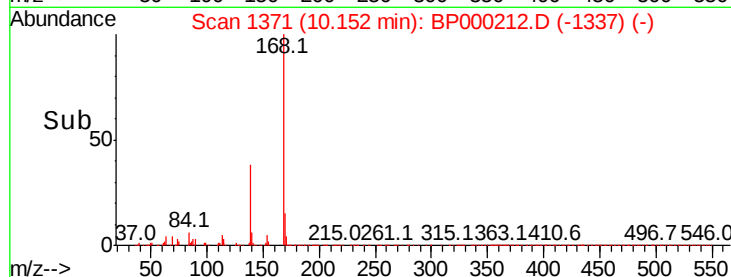
300000

200000

100000

0

Time--> 10.12 10.14 10.16 10.18



#59

Fluorene

Concen: 7.493 ng/ul

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

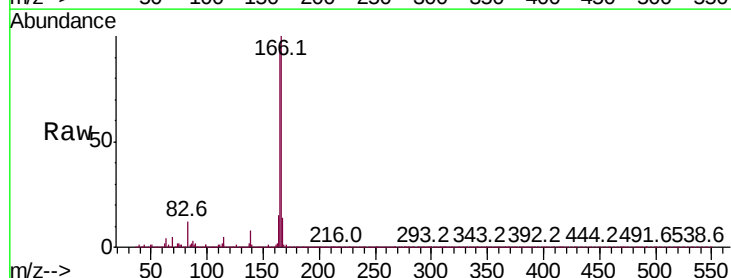
Tgt Ion:166 Resp: 350396

Ion Ratio Lower Upper

166 100

165 95.7 77.8 116.8

167 14.3 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

600000

500000

400000

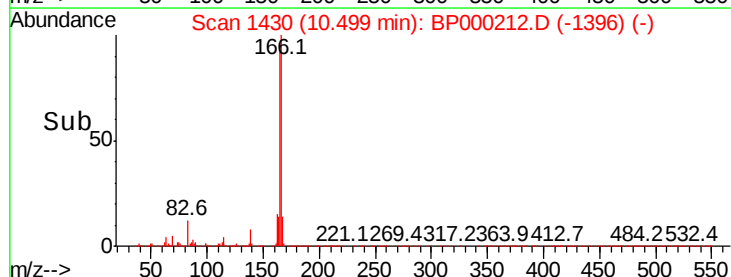
300000

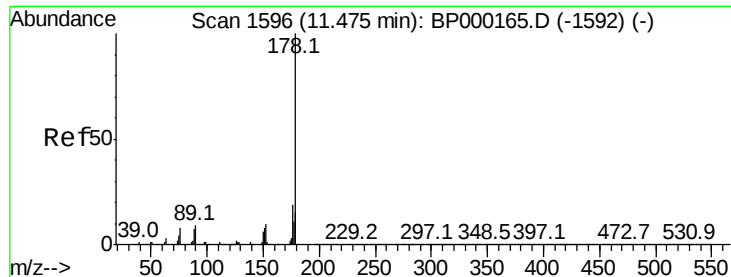
200000

100000

0

Time--> 10.45 10.50





#70

Phenanthrene

Concen: 93.774 ng/ul

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

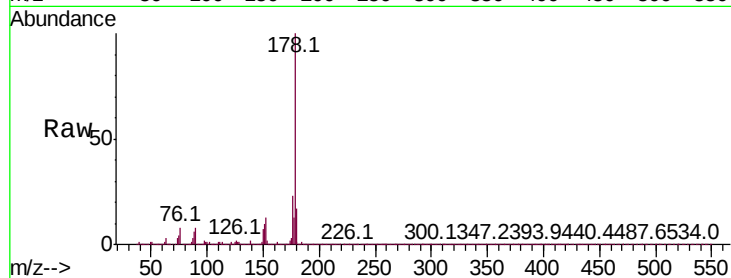
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 6130392

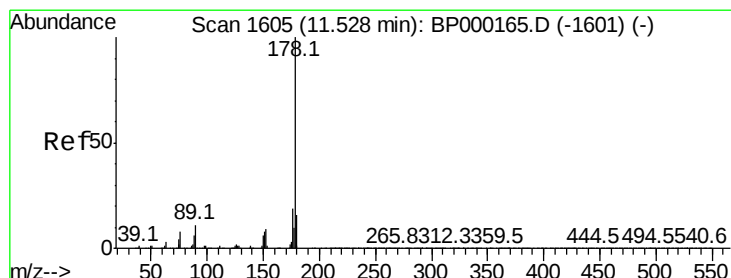
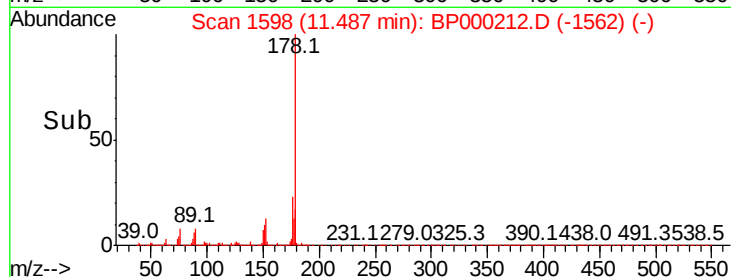
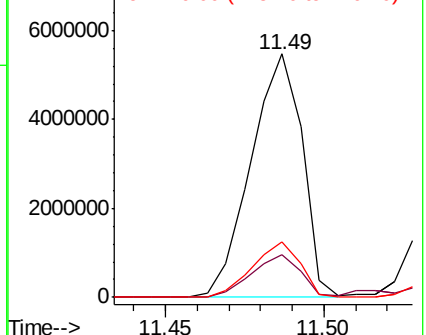
Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.5	18.7
176	22.8	15.7	23.5



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: 22.937 ng/ul

RT: 11.53 min Scan# 1606

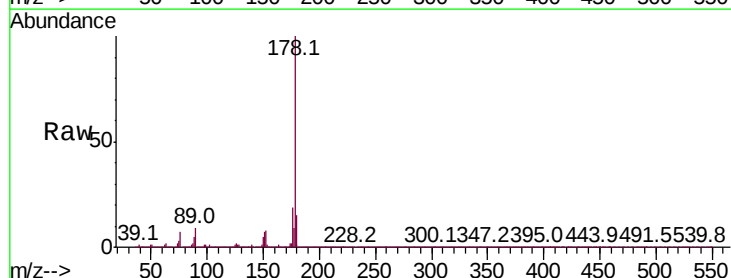
Delta R.T. 0.01 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Tgt Ion:178 Resp: 1475510

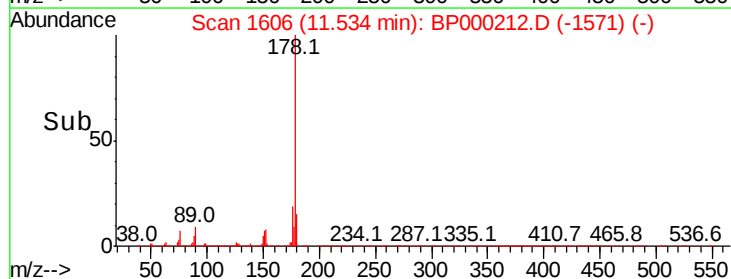
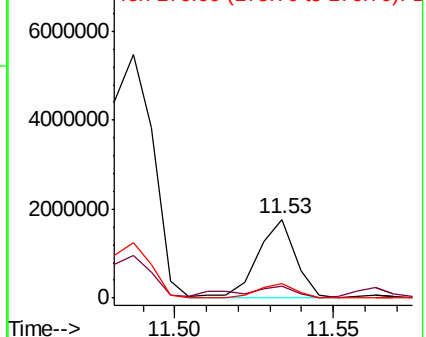
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.3	18.5
176	19.1	15.1	22.7

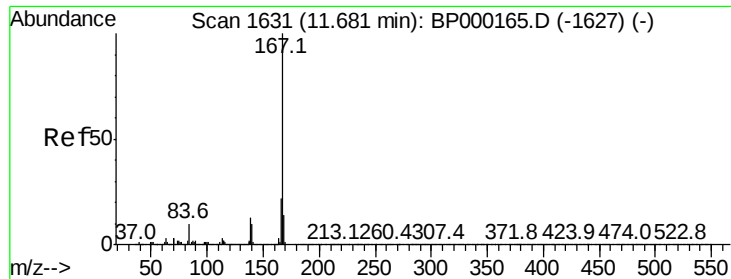


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

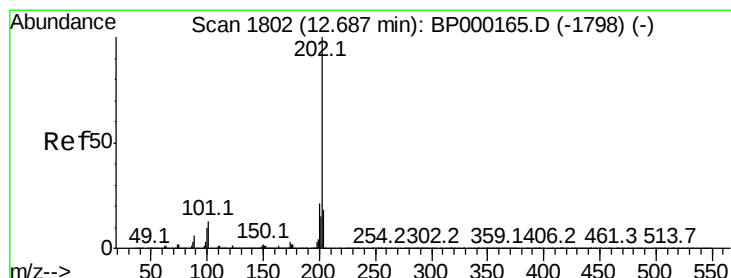
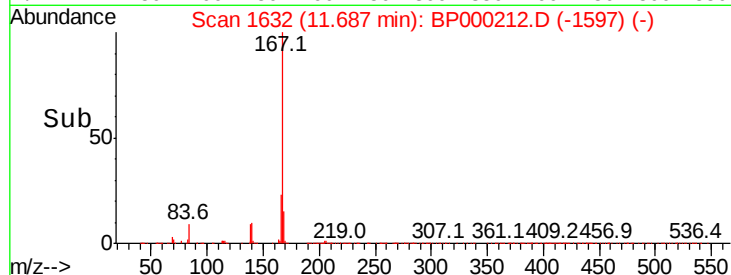
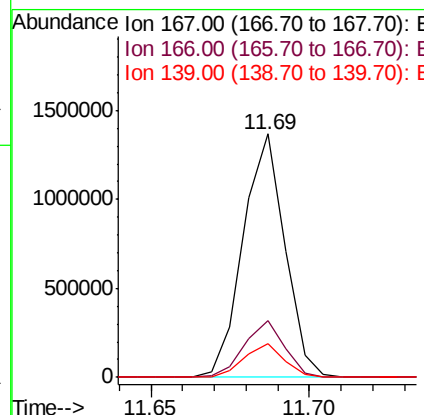
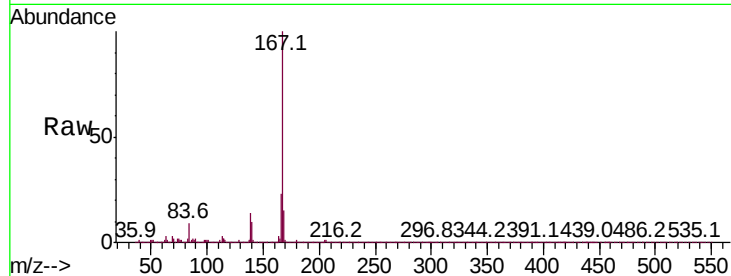




#75
 Carbazole
 Concen: 22.673 ng/ul
 RT: 11.69 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BP000212.D
 Acq: 12 Sep 2019 12:49

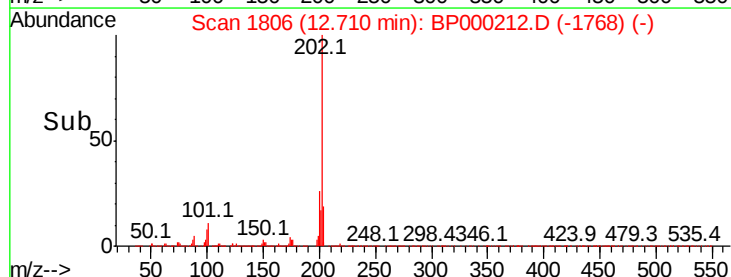
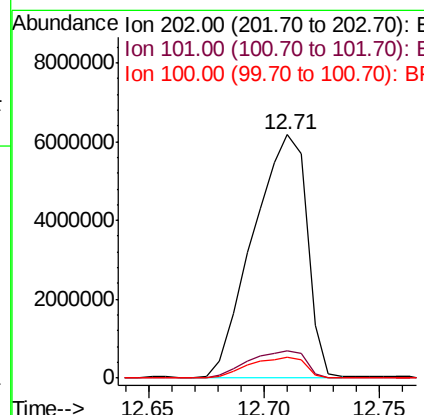
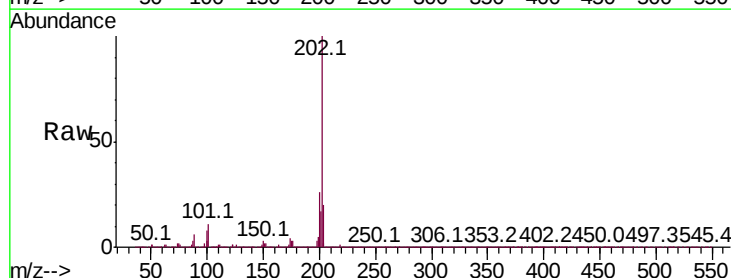
Instrument :
 BNA_P
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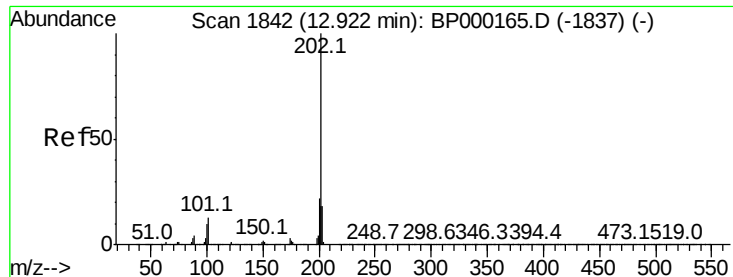
Tot Ion:167 Resp: 1247028
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.3 25.9
 139 13.9 10.6 15.8



#77
 Fluoranthene
 Concen: 151.874 ng/ul
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.02 min
 Lab File: BP000212.D
 Acq: 12 Sep 2019 12:49

Tgt Ion:202 Resp:10014198
 Ion Ratio Lower Upper
 202 100
 101 11.0 10.0 15.0
 100 8.5 7.4 11.2

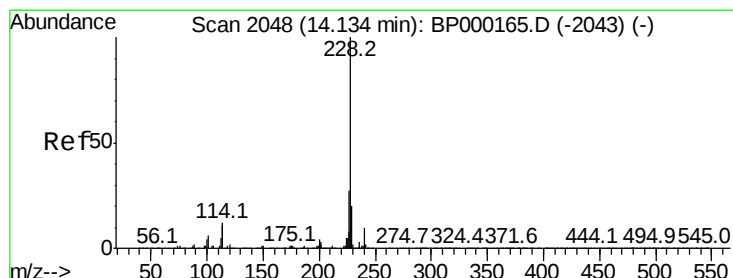
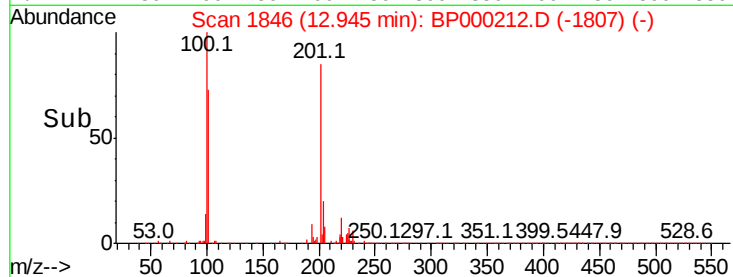
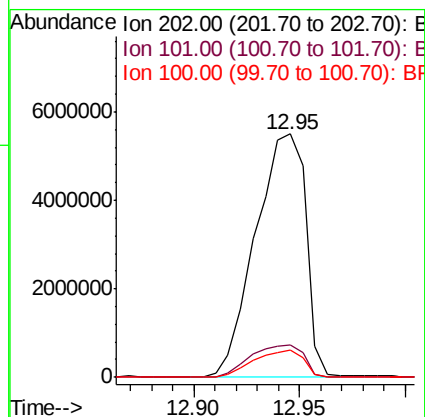
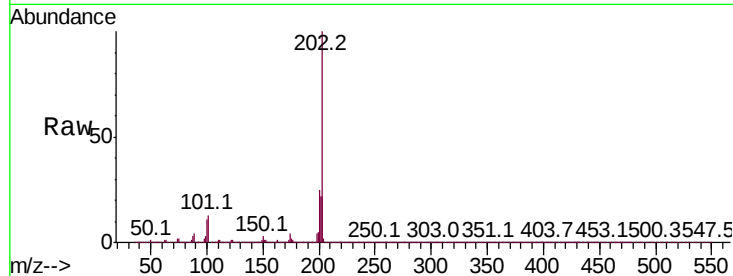




#80
Pvrene
Concen: 187.419 ng/ul
RT: 12.95 min Scan# 1846
Delta R.T. 0.03 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

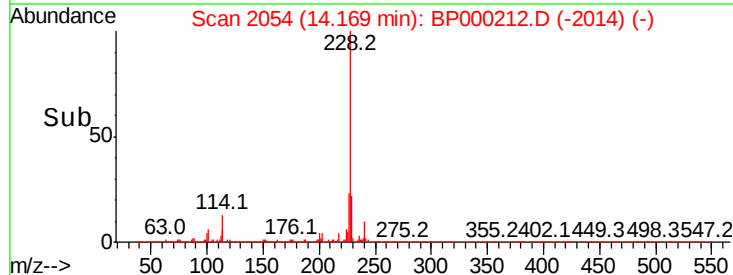
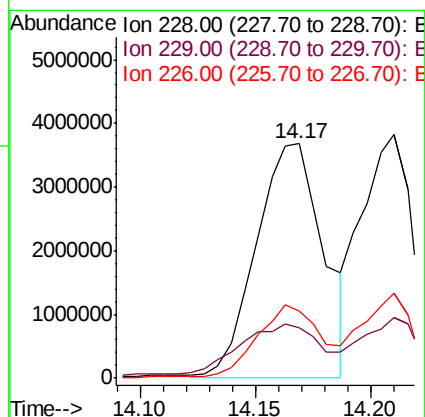
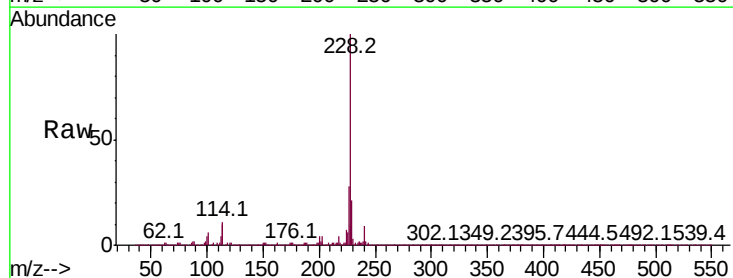
Instrument :
BNA_P
ClientSampleId :

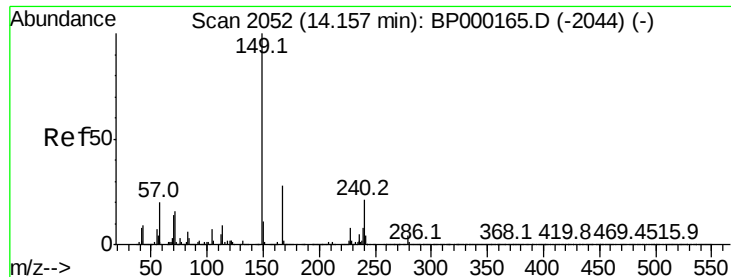
Tot Ion:202 Resp: 9092743
Ion Ratio Lower Upper
202 100
101 13.1 13.4 20.0#
100 11.2 10.8 16.2



#83
Benzo(a)anthracene
Concen: 158.172 ng/ul
RT: 14.17 min Scan# 2054
Delta R.T. 0.04 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

Tgt Ion:228 Resp: 7362702
Ion Ratio Lower Upper
228 100
229 21.5 15.9 23.9
226 28.5 22.1 33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.305 ng/ul

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Instrument :

BNA_P

ClientSampleId :

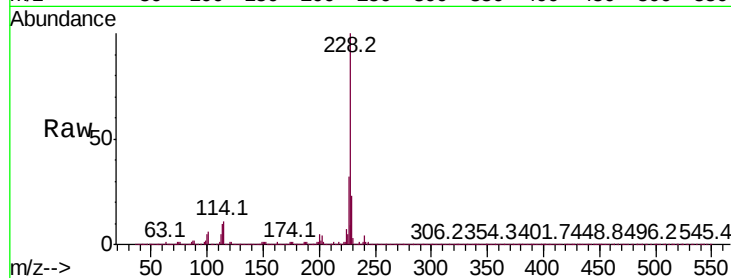
Tot Ion:149 Resp: 34507

Ion Ratio Lower Upper

149 100

167 10.1 21.8 32.8#

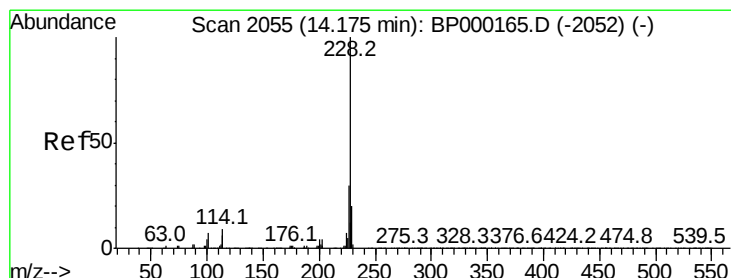
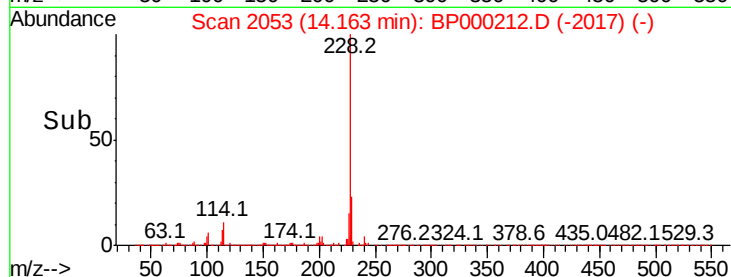
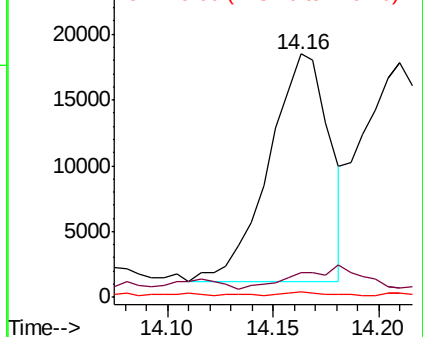
279 2.0 3.0 4.4#



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: 172.720 ng/ul

RT: 14.17 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

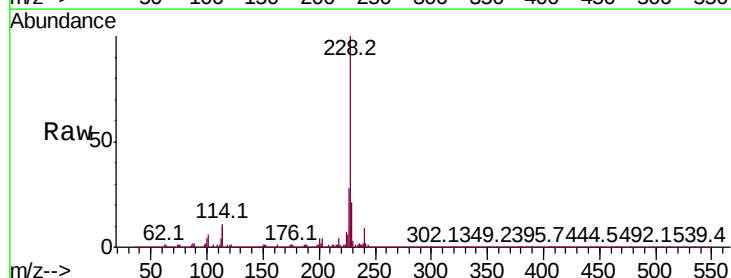
Tgt Ion:228 Resp: 7377654

Ion Ratio Lower Upper

228 100

226 28.5 24.4 36.6

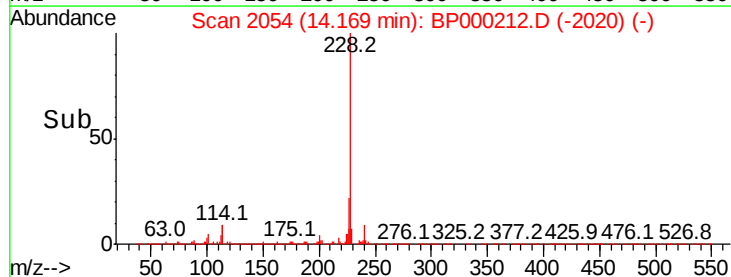
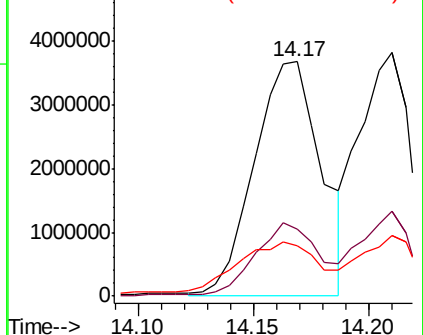
229 21.5 16.0 24.0

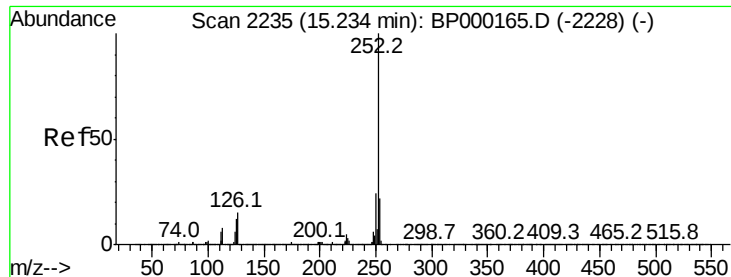


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

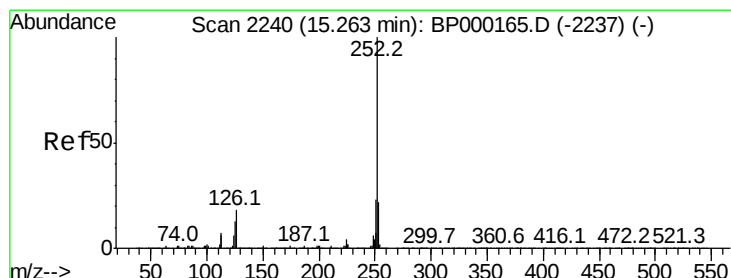
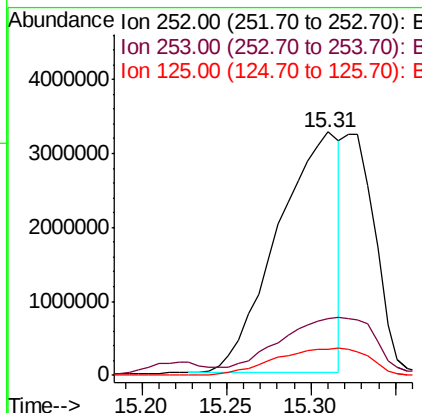
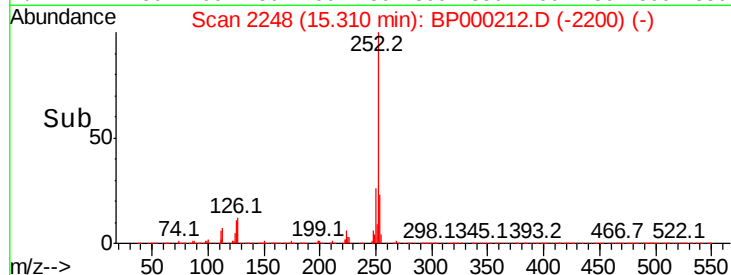
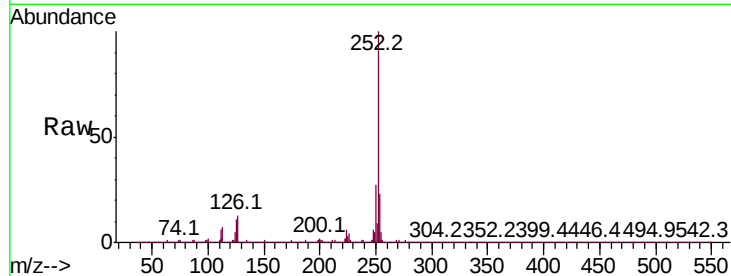




#88
Benzo(b)fluoranthene
Concen: 155.205 ng/uL
RT: 15.31 min Scan# 2248
Delta R.T. 0.08 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

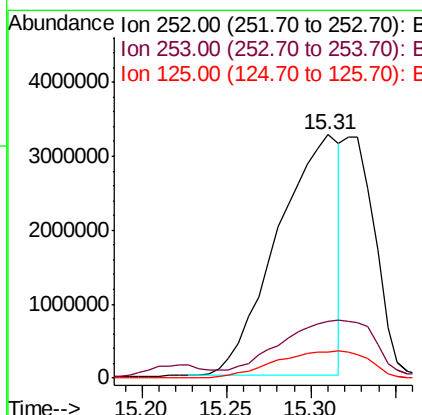
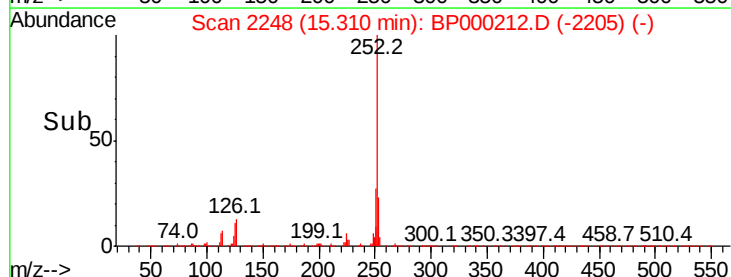
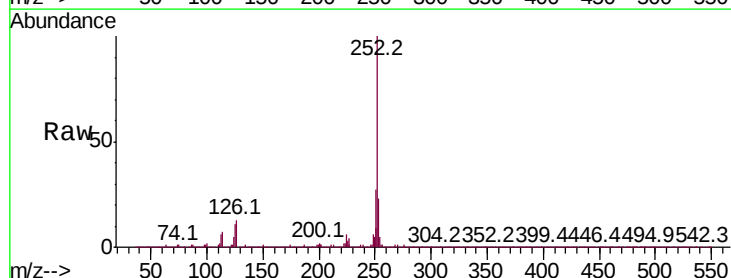
Instrument :
BNA_P
ClientSampleId :

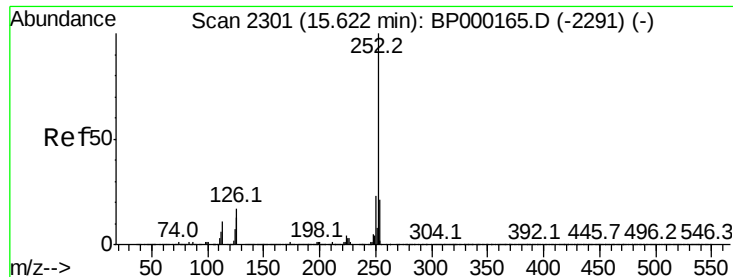
Tot Ion:252 Resp: 8252965
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.9 9.9 14.9



#89
Benzo(k)fluoranthene
Concen: 164.649 ng/uL
RT: 15.31 min Scan# 2248
Delta R.T. 0.05 min
Lab File: BP000212.D
Acq: 12 Sep 2019 12:49

Tgt Ion:252 Resp: 8252965
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.9 10.2 15.2





#91

Benzo(a)pyrene

Concen: 137.220 ng/u1

RT: 15.70 min Scan# 2314

Delta R.T. 0.08 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Instrument :

BNA_P

ClientSampleId :

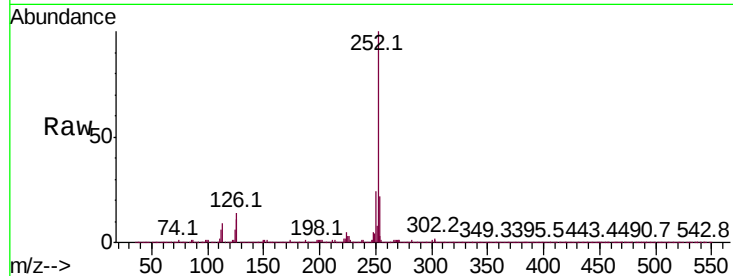
Tot Ion:252 Resp: 6846009

Ion Ratio Lower Upper

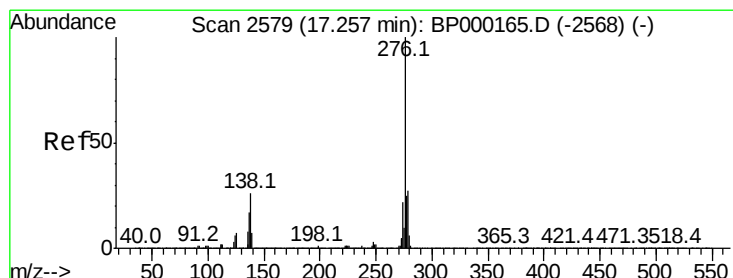
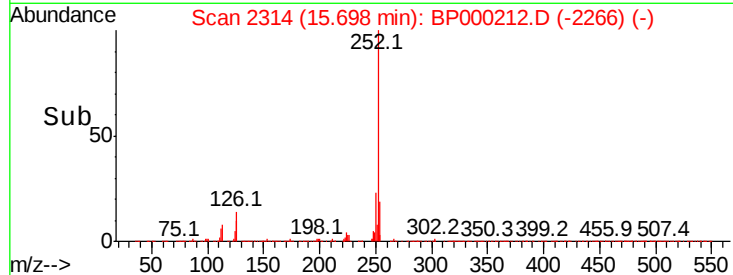
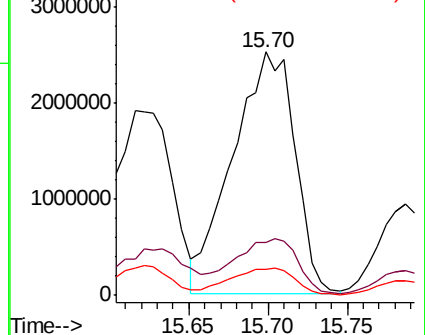
252 100

253 21.7 17.5 26.3

125 10.5 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: 83.226 ng/u1

RT: 17.37 min Scan# 2599

Delta R.T. 0.12 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

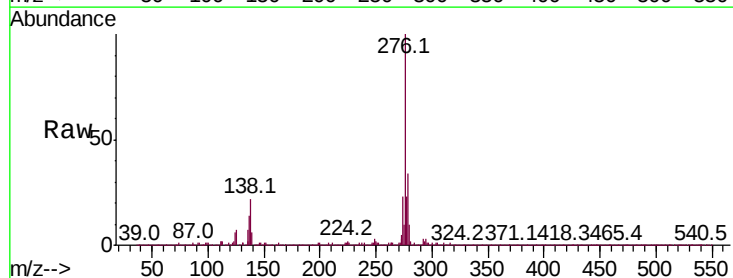
Tgt Ion:276 Resp: 4776875

Ion Ratio Lower Upper

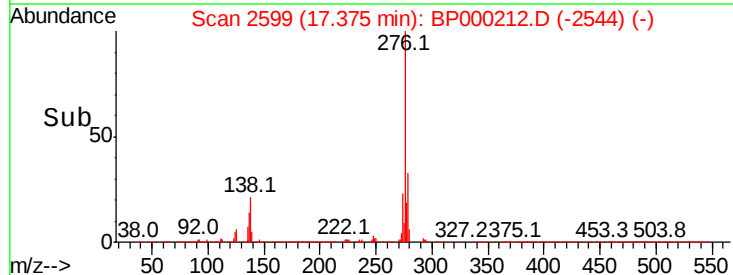
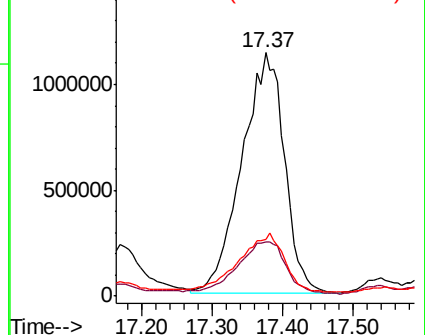
276 100

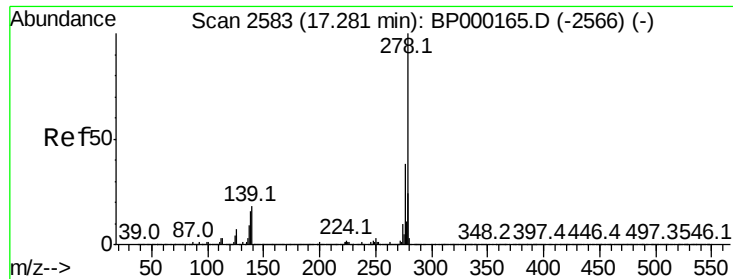
138 22.2 20.0 30.0

277 23.4 19.4 29.0



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





#93

Dibenzo(a,h)anthracene

Concen: 25.493 ng/u1

RT: 17.39 min Scan# 2601

Delta R.T. 0.11 min

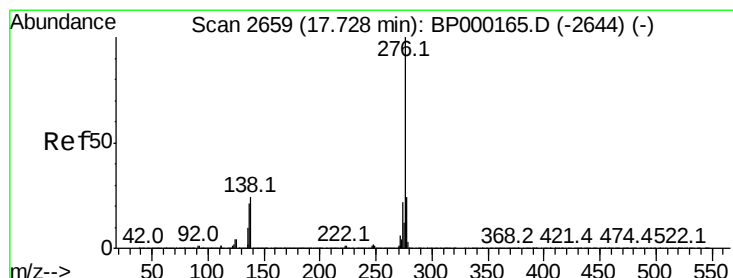
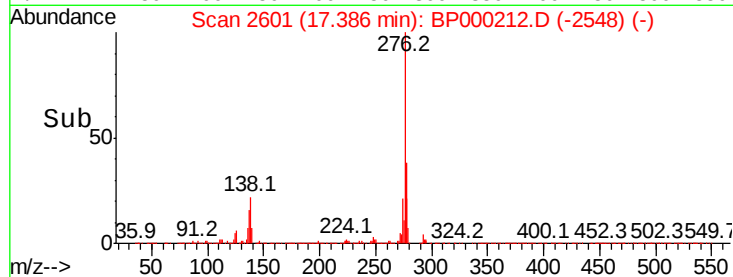
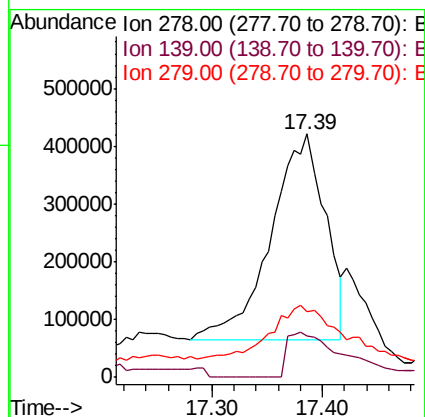
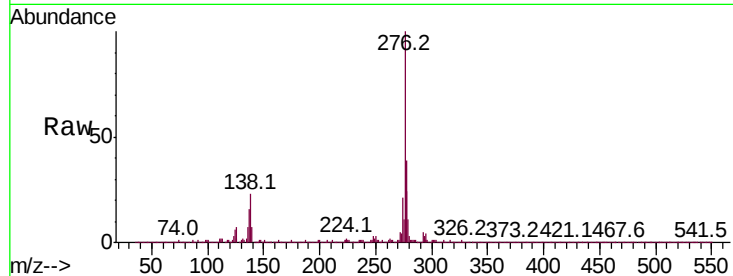
Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion:278 Resp: 1211929

Ion	Ratio	Lower	Upper
278	100		
139	16.9	15.1	22.7
279	27.2	19.2	28.8



#94

Benzo(g,h,i)perylene

Concen: 88.067 ng/u1

RT: 17.86 min Scan# 2682

Delta R.T. 0.14 min

Lab File: BP000212.D

Acq: 12 Sep 2019 12:49

Tgt Ion:276 Resp: 4214464

Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.0	30.0
277	22.3	19.1	28.7

