

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000223.D
 Acq On : 12 Sep 2019 18:56
 Operator : HP/JU
 Sample : K4633-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:50:21 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	6.90	152	345138	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1301002	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	678692	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1235175	20.00	ng/ul	0.01
78) Chrysene-d12	14.20	240	737385	20.00	ng/ul	0.06
86) Perylene-d12	15.73	264	952531	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	33868	3.48	ng/uL	0.01
5) Phenol-d5	6.52	99	616823	20.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	317005	20.62	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	532440	22.40	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	472155	21.38	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	248544	25.16	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	262072	27.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	458170	22.45	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	242867	9.62	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1250275	24.95	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1487317	24.02	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	131632	14.70	ng/ul	0.00
58) Fluorene-d10	10.48	176	981811	23.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	97180	17.12	ng/ul	0.02
71) Anthracene-d10	11.52	188	1324388	22.14	ng/ul	0.01
79) Pyrene-d10	12.93	212	1195140	27.25	ng/ul	0.03
90) Benzo(a)pyrene-d12	15.73	264	952531	19.29	ng/ul	0.15

Target Compounds

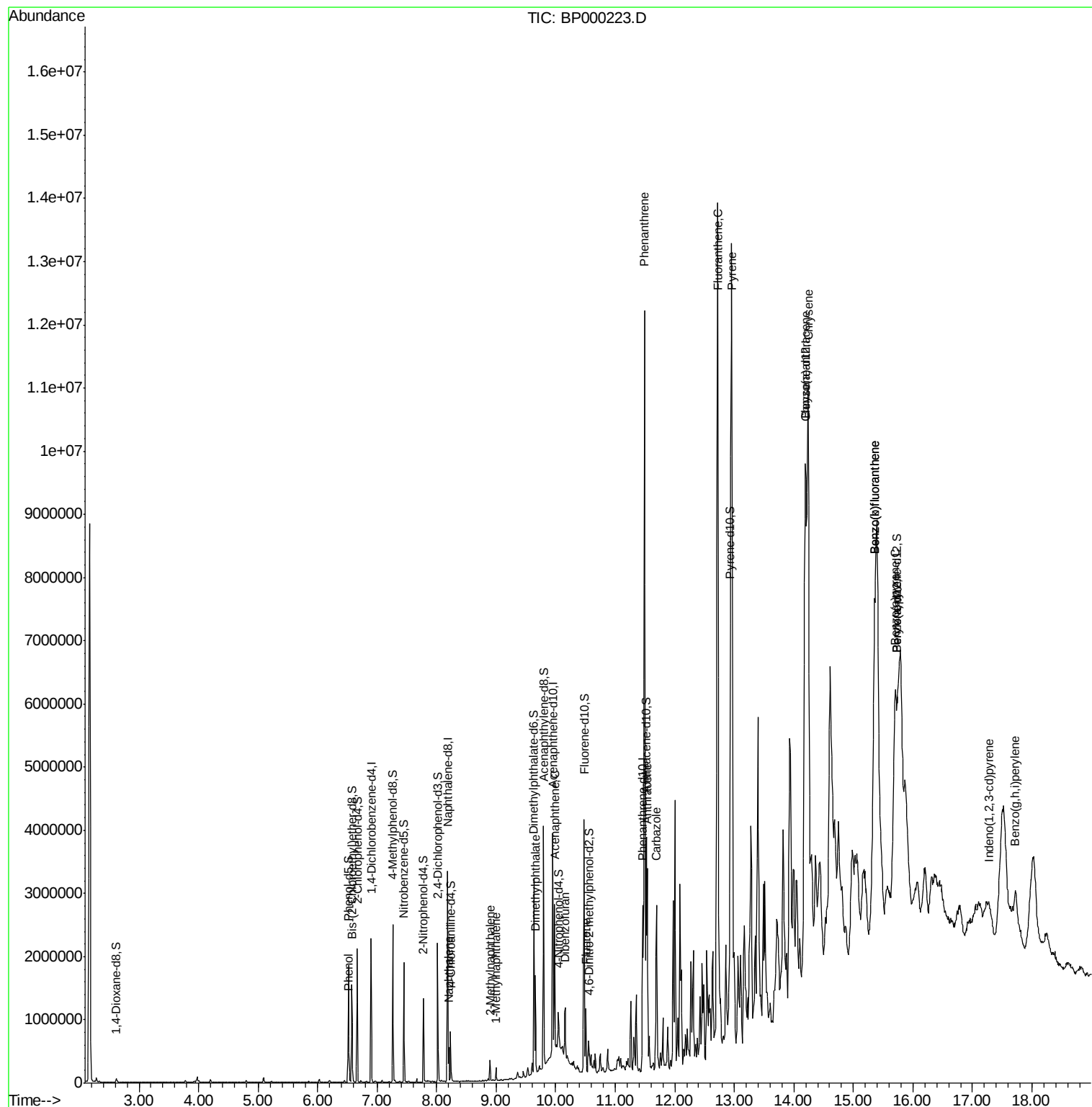
					Ovalue	
6) Phenol	6.53	94	112577	3.674	ng/ul	97
28) Naphthalene	8.20	128	226301	3.193	ng/ul	100
34) 2-Methylnaphthalene	8.90	142	86315	1.783	ng/ul	99
35) 1-Methylnaphthalene	9.00	142	51010	1.104	ng/ul	95
45) Dimethylphthalate	9.66	163	530056	10.481	ng/ul	98
50) Acenaphthene	9.98	153	521521	11.632	ng/ul	95
54) Dibenzofuran	10.16	168	255173	4.148	ng/ul	98
59) Fluorene	10.50	166	268836	5.650	ng/ul	97
70) Phenanthrene	11.49	178	5953443	81.504	ng/ul	93
72) Anthracene	11.54	178	1260120	17.532	ng/ul	98
75) Carbazole	11.69	167	1245641	20.269	ng/ul	98
77) Fluoranthene	12.72	202	10879493	147.670	ng/ul	97
80) Pyrene	12.96	202	9736694	175.018	ng/ul#	90
83) Benzo(a)anthracene	14.19	228	7822608	146.553	ng/ul#	94
85) Chrysene	14.24	228	6394278	130.547	ng/ul#	93
88) Benzo(b)fluoranthene	15.36	252	5234524	82.915	ng/ul	98
89) Benzo(k)fluoranthene	15.36	252	5234524	87.960	ng/ul	97
91) Benzo(a)pyrene	15.70	252	4785495	80.791	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	17.29	276	591316	8.677	ng/ul#	79
94) Benzo(g,h,i)perylene	17.72	276	91251	1.606	ng/ul#	52

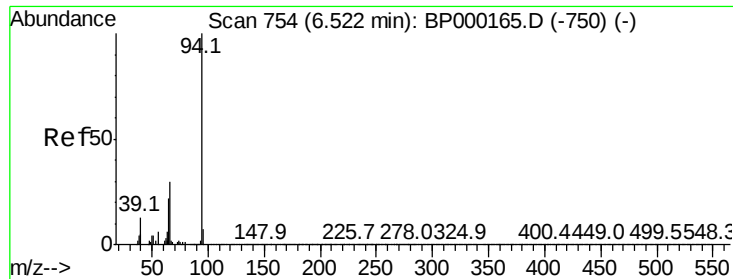
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 3.674 ng/ul

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

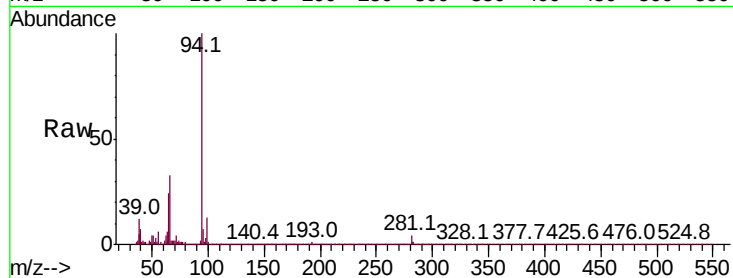
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 94 Resp: 112577

Ion	Ratio	Lower	Upper
94	100		
65	23.8	18.8	28.2
66	33.3	24.2	36.2

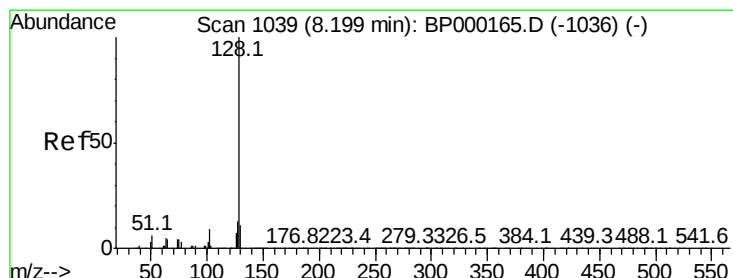
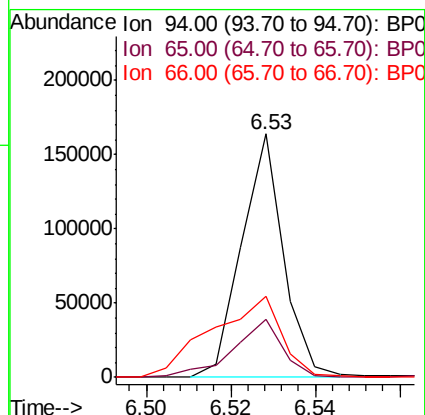
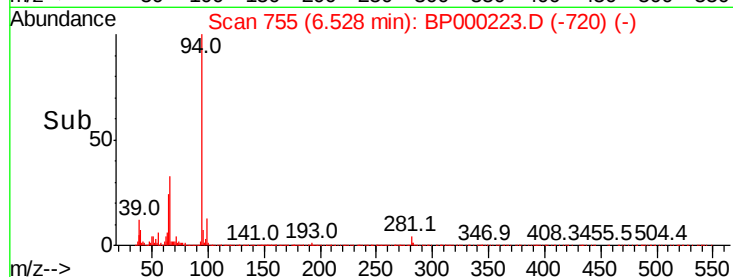


Abundance

Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



#28

Naphthalene

Concen: 3.193 ng/ul

RT: 8.20 min Scan# 1040

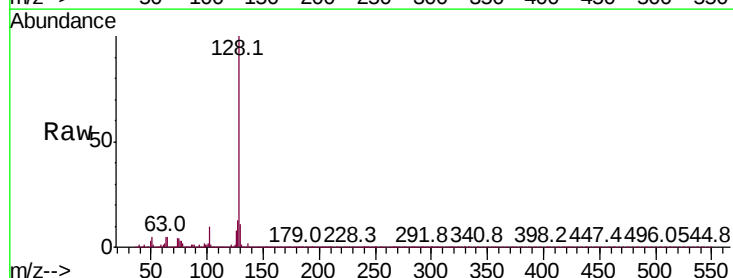
Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Tgt Ion: 128 Resp: 226301

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.4	10.7	16.1

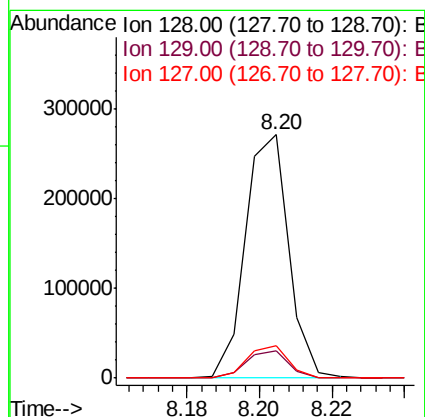
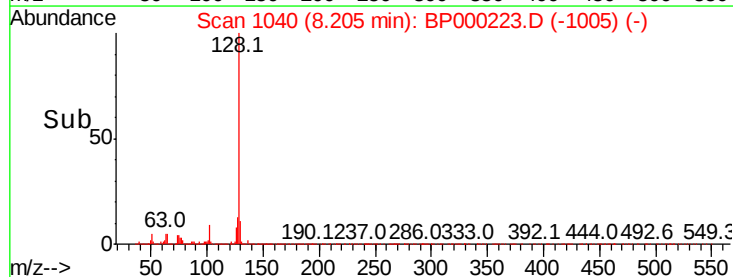


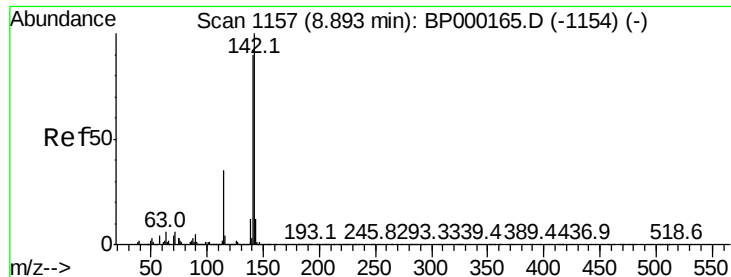
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

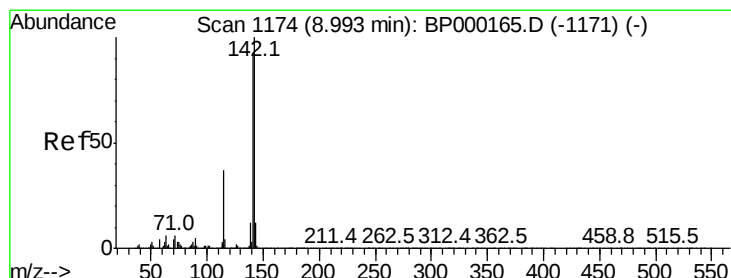
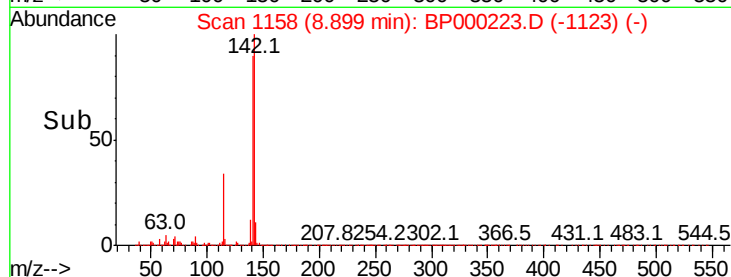
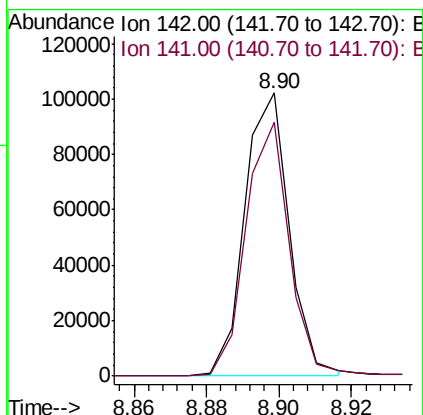
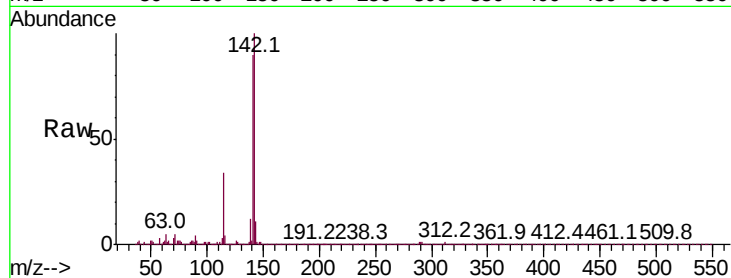




#34
2-Methylnaphthalene
Concen: 1.783 ng/ul
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BP000223.D
Acq: 12 Sep 2019 18:56

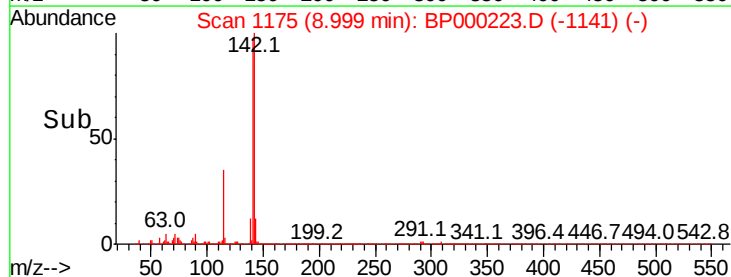
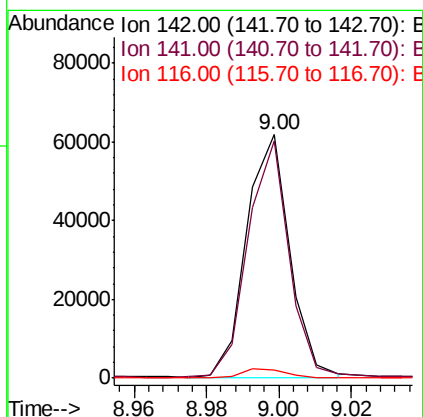
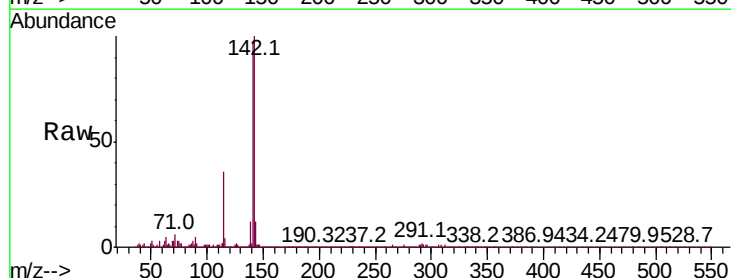
Instrument :
BNA_P
ClientSampled :

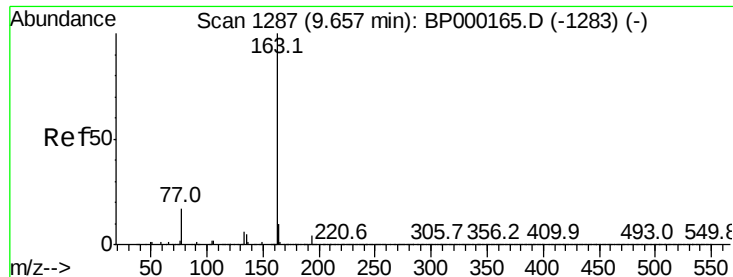
Tot Ion:142 Resp: 86315
Ion Ratio Lower Upper
142 100
141 89.9 71.4 107.0



#35
1-Methylnaphthalene
Concen: 1.104 ng/ul
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BP000223.D
Acq: 12 Sep 2019 18:56

Tgt Ion:142 Resp: 51010
Ion Ratio Lower Upper
142 100
141 97.3 73.9 110.9
116 3.5 3.0 4.6





#45

Dimethylphthalate

Concen: 10.481 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Instrument :

BNA_P

ClientSampled :

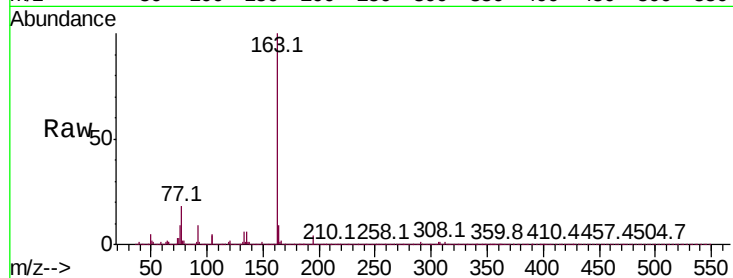
Tot Ion:163 Resp: 530056

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 9.5 8.4 12.6

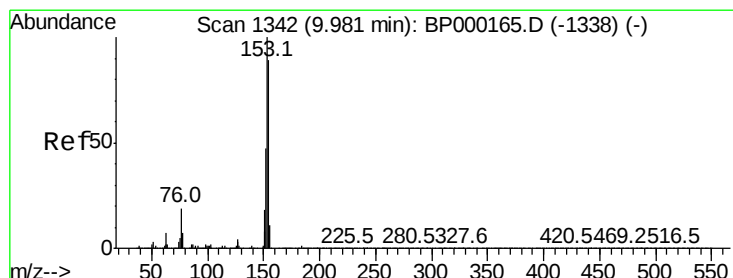
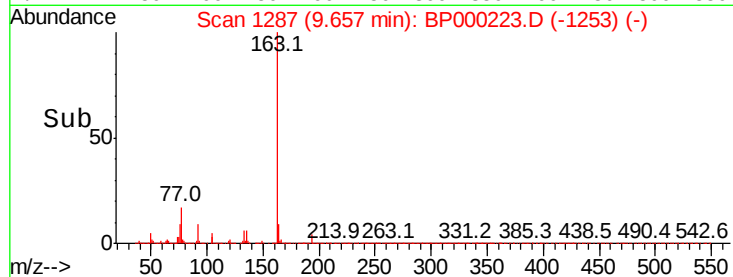
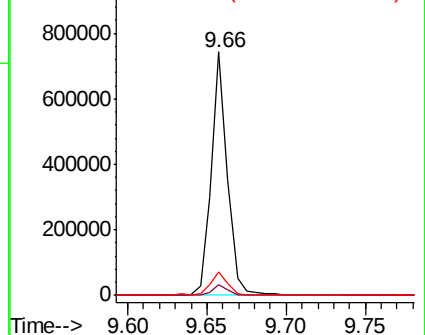


Abundance Ion 163.00 (162.70 to 163.70): E

1000000

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 11.632 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

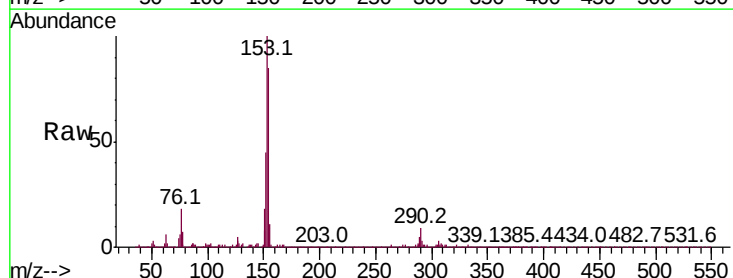
Tgt Ion:153 Resp: 521521

Ion Ratio Lower Upper

153 100

152 45.4 38.0 57.0

154 85.4 72.6 108.8

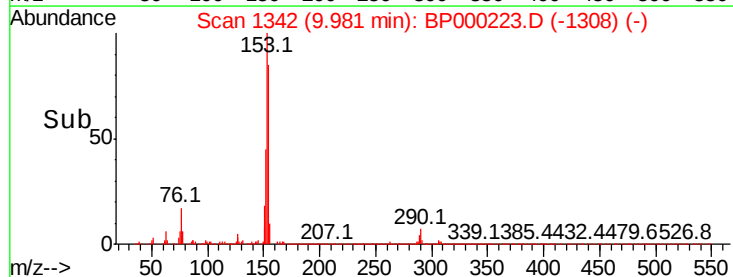
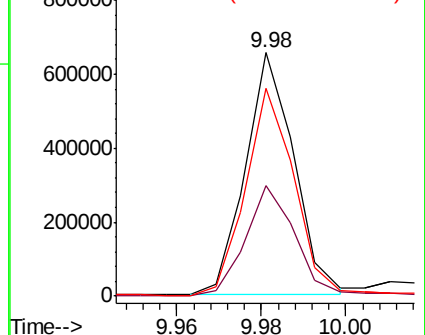


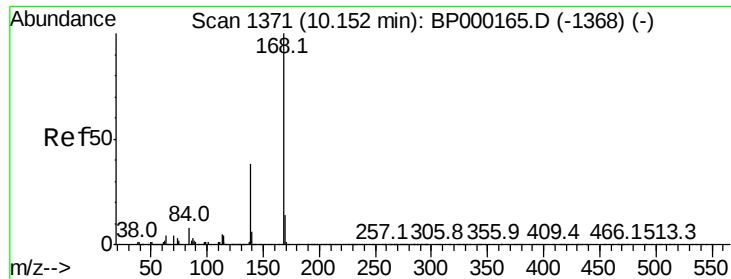
Abundance Ion 153.00 (152.70 to 153.70): E

800000

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 4.148 ng/ul

RT: 10.16 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Instrument :

BNA_P

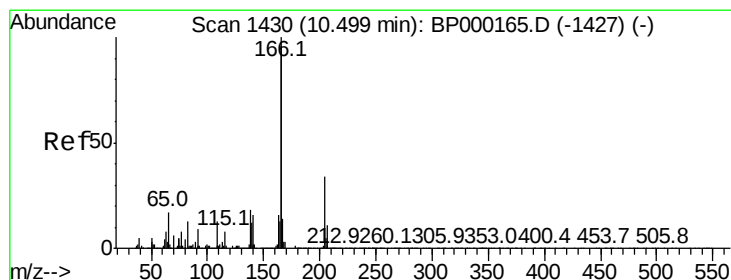
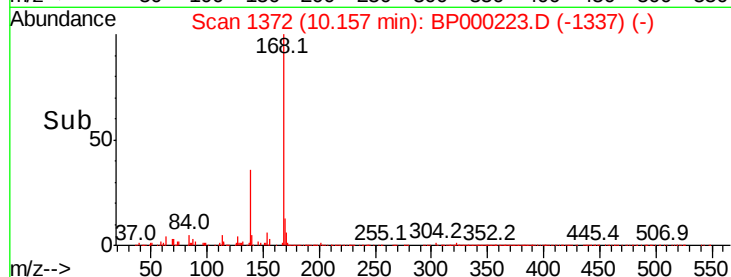
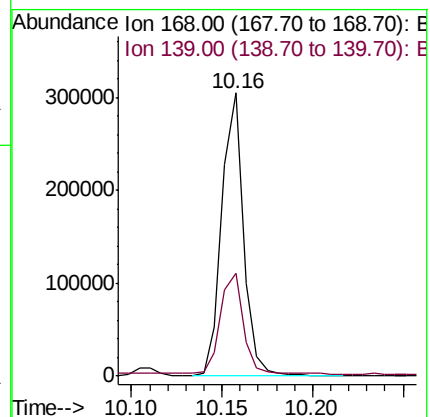
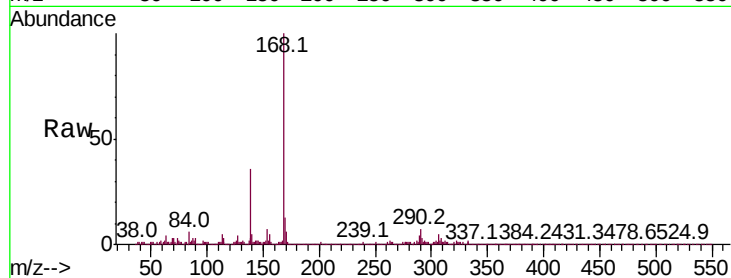
ClientSampleId :

Tot Ion:168 Resp: 255173

Ion Ratio Lower Upper

168 100

139 36.4 30.0 45.0



#59

Fluorene

Concen: 5.650 ng/ul

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

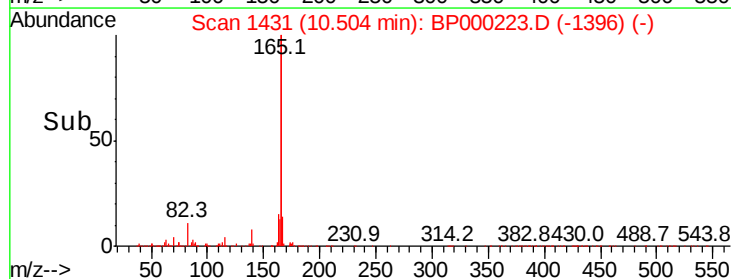
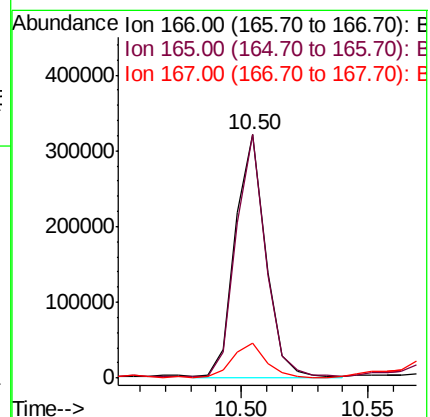
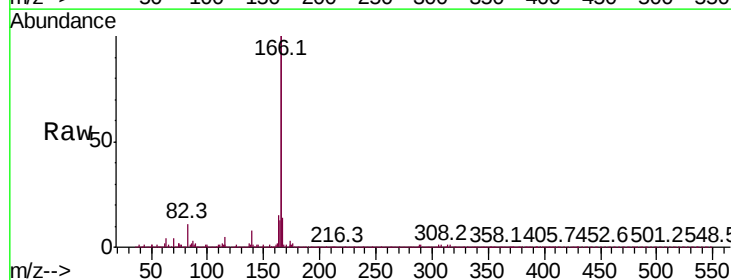
Tgt Ion:166 Resp: 268836

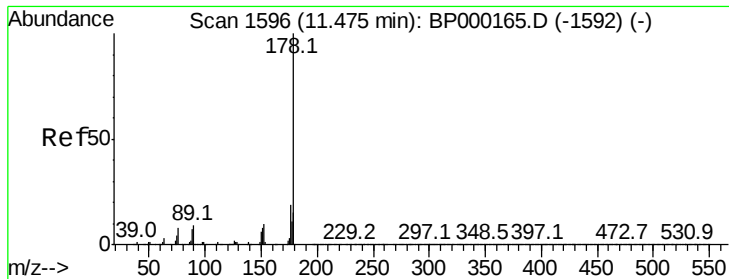
Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.8

167 14.1 10.9 16.3





#70

Phenanthrene

Concen: 81.504 ng/ul

RT: 11.49 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

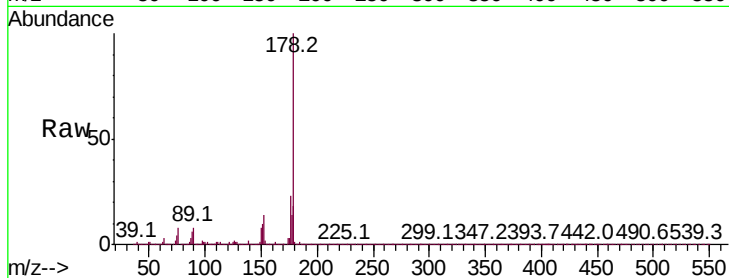
Instrument :

BNA_P

ClientSampled :

Tot Ion:178 Resp: 5953443

Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.5	18.7
176	22.9	15.7	23.5

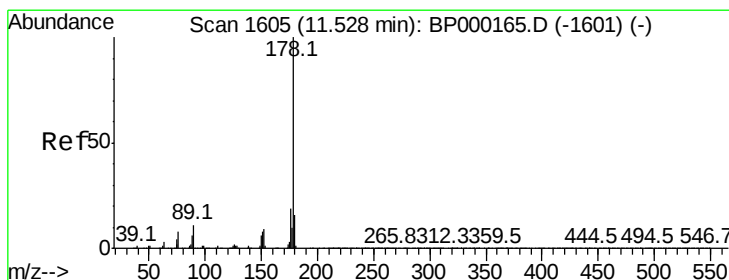
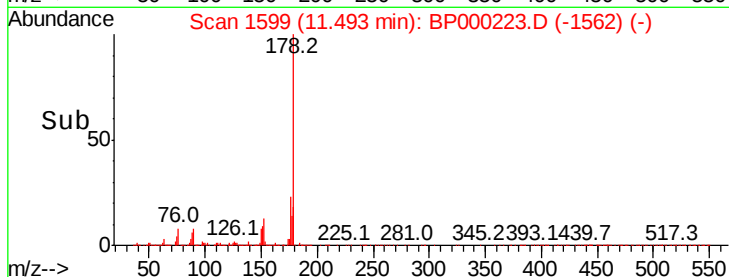
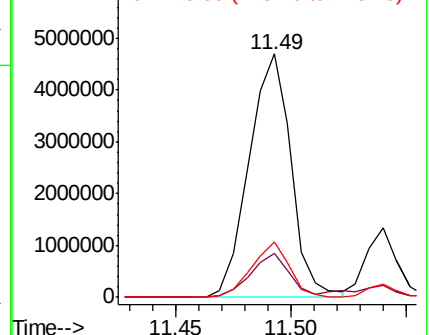


Abundance

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: 17.532 ng/ul

RT: 11.54 min Scan# 1607

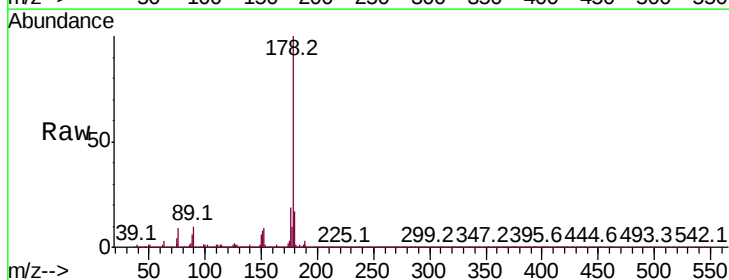
Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Tgt Ion:178 Resp: 1260120

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.3	18.5
176	19.3	15.1	22.7

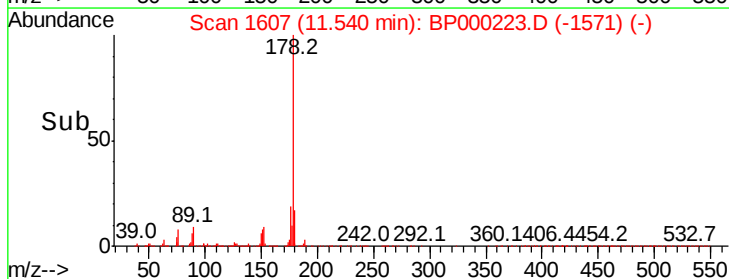
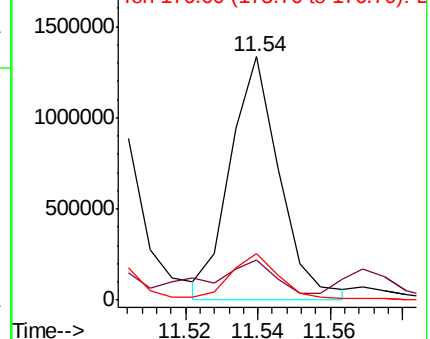


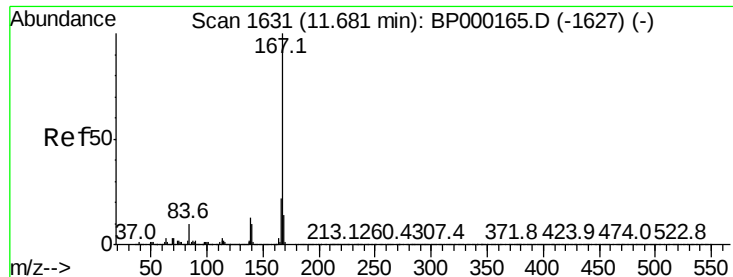
Abundance

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: 20.269 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Instrument :

BNA_P

ClientSampled :

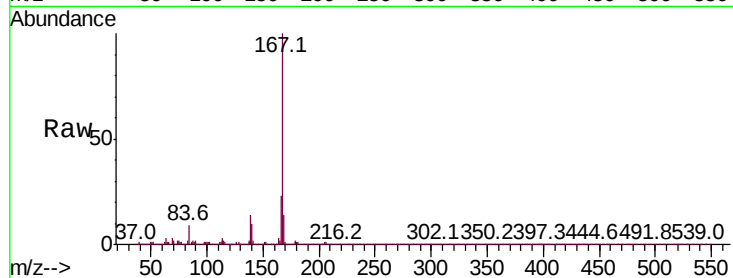
Tot Ion:167 Resp: 1245641

Ion Ratio Lower Upper

167 100

166 22.7 17.3 25.9

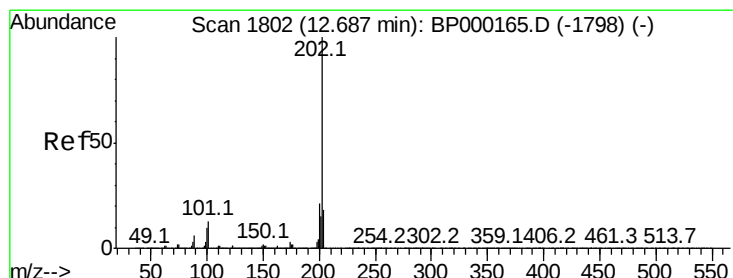
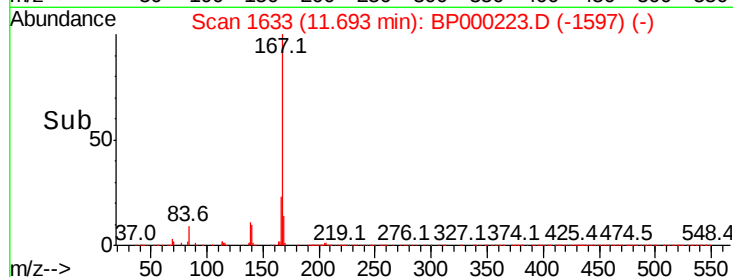
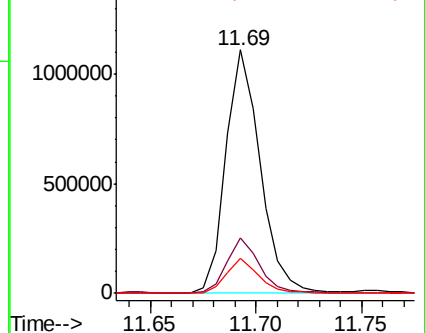
139 14.2 10.6 15.8



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: 147.670 ng/ul

RT: 12.72 min Scan# 1808

Delta R.T. 0.04 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

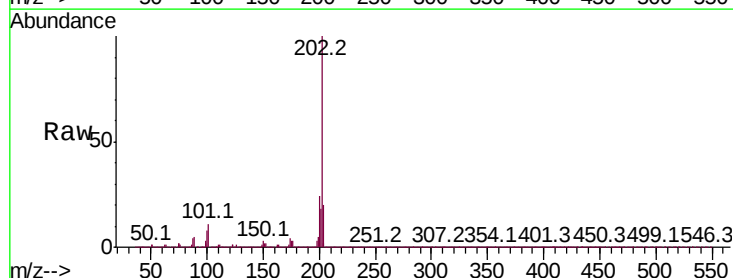
Tgt Ion:202 Resp:10879493

Ion Ratio Lower Upper

202 100

101 10.9 10.0 15.0

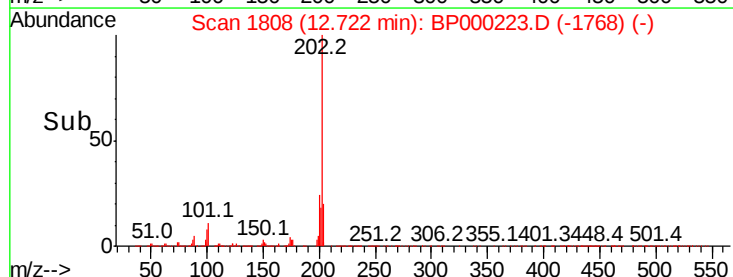
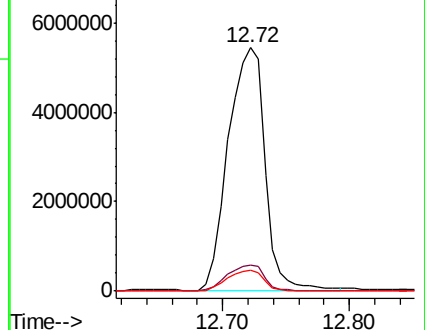
100 8.4 7.4 11.2

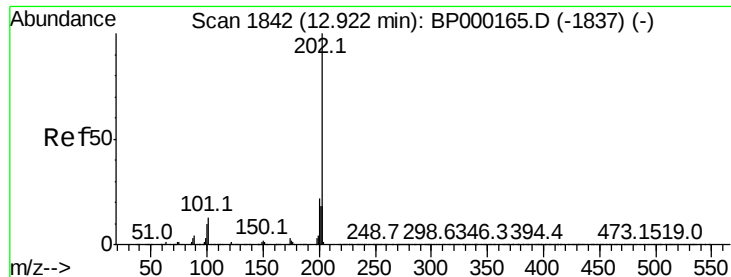


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

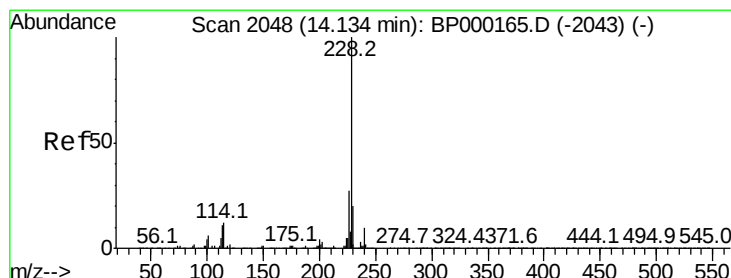
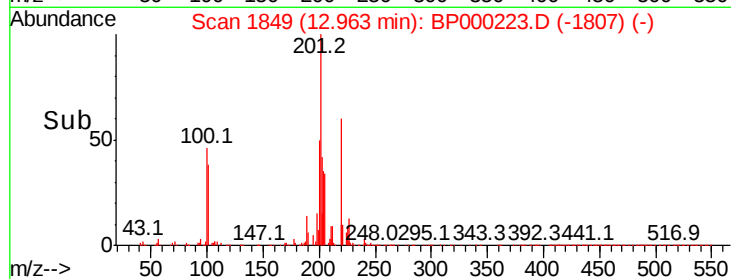
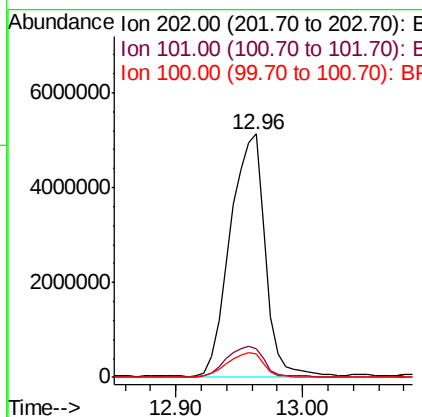
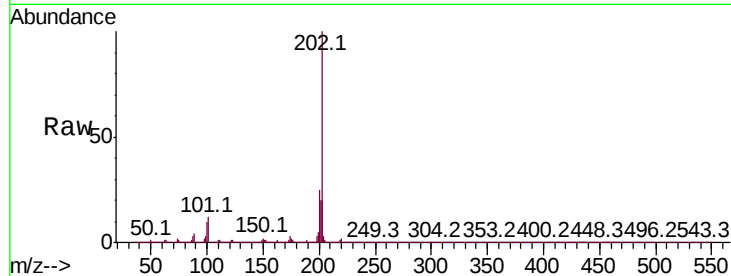




#80
Pvrene
Concen: 175.018 ng/ul
RT: 12.96 min Scan# 1849
Delta R.T. 0.05 min
Lab File: BP000223.D
Acq: 12 Sep 2019 18:56

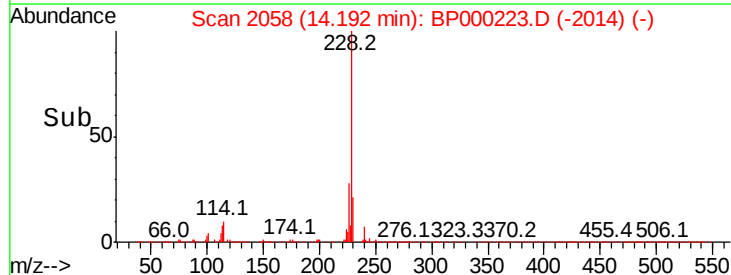
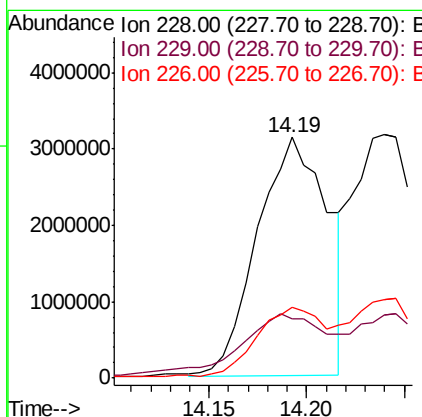
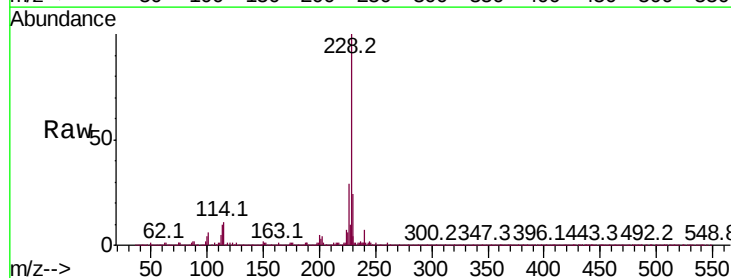
Instrument :
BNA_P
ClientSampleId :

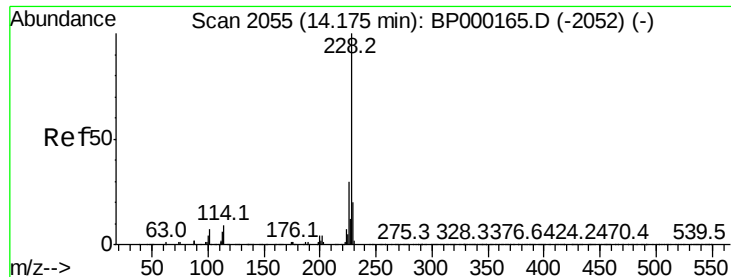
Tot Ion:202 Resp: 9736694
Ion Ratio Lower Upper
202 100
101 11.9 13.4 20.0#
100 9.7 10.8 16.2#



#83
Benzo(a)anthracene
Concen: 146.553 ng/ul
RT: 14.19 min Scan# 2058
Delta R.T. 0.06 min
Lab File: BP000223.D
Acq: 12 Sep 2019 18:56

Tgt Ion:228 Resp: 7822608
Ion Ratio Lower Upper
228 100
229 24.4 15.9 23.9#
226 29.3 22.1 33.1



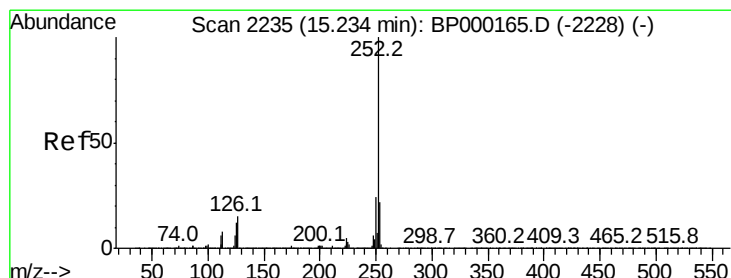
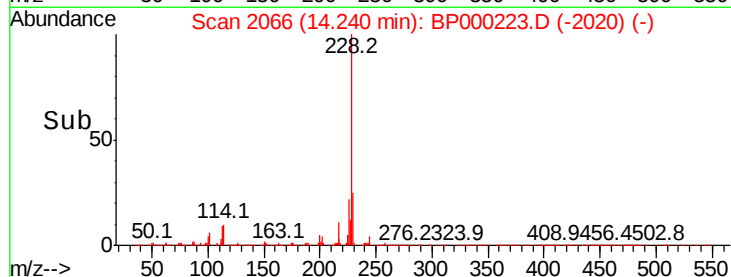
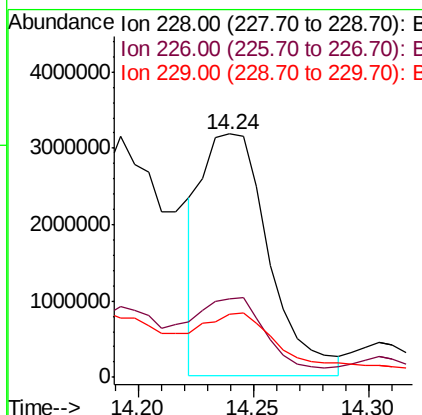
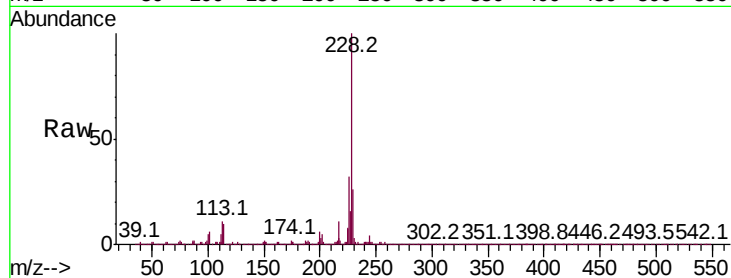


#85
 Chrysene
 Concen: 130.547 ng/ul
 RT: 14.24 min Scan# 2066
 Delta R.T. 0.07 min
 Lab File: BP000223.D
 Acq: 12 Sep 2019 18:56

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:228 Resp: 6394278

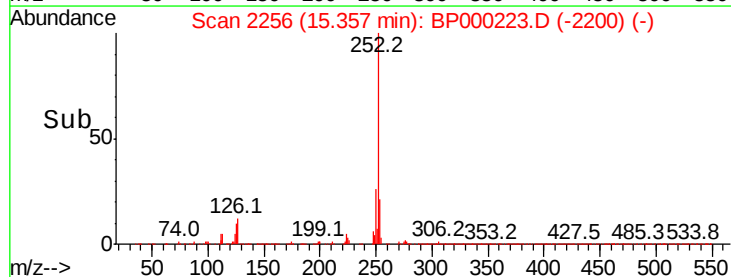
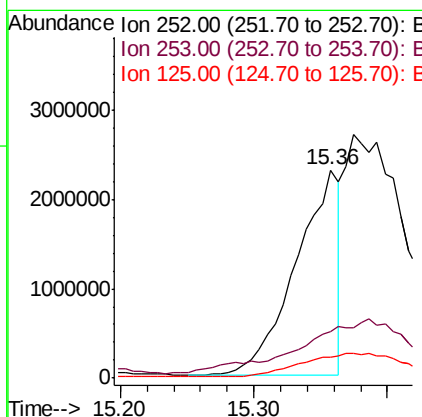
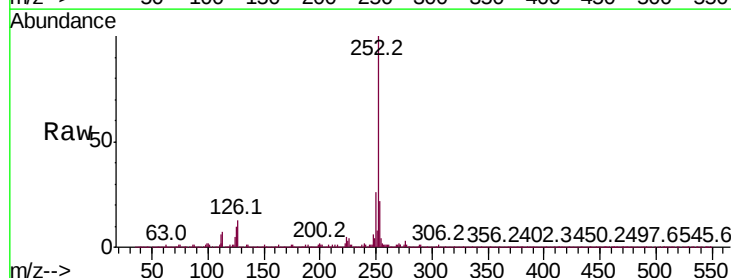
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	25.7	16.0	24.0

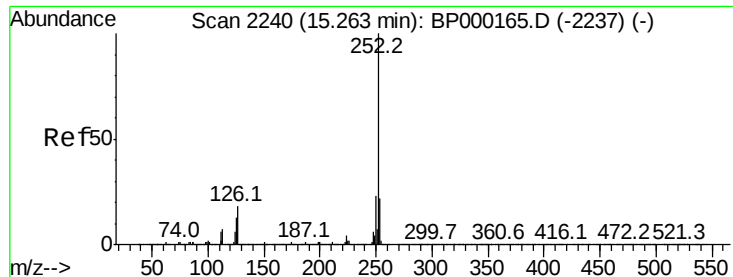


#88
 Benzo(b)fluoranthene
 Concen: 82.915 ng/ul
 RT: 15.36 min Scan# 2256
 Delta R.T. 0.13 min
 Lab File: BP000223.D
 Acq: 12 Sep 2019 18:56

Tgt Ion:252 Resp: 5234524

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.2	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 87.960 ng/ul

RT: 15.36 min Scan# 2256

Delta R.T. 0.10 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Instrument :

BNA_P

ClientSampleId :

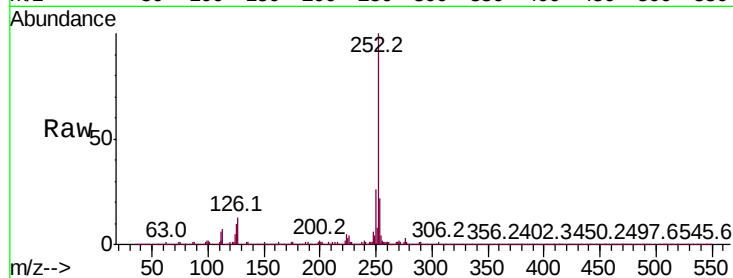
Tot Ion:252 Resp: 5234524

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

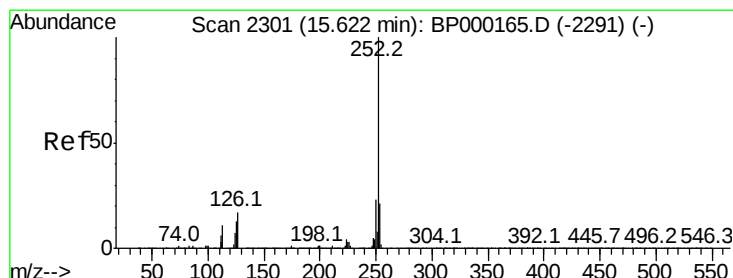
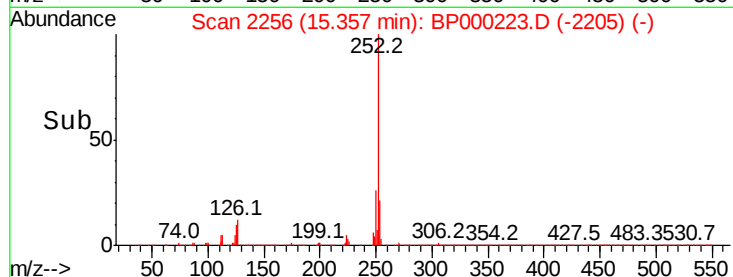
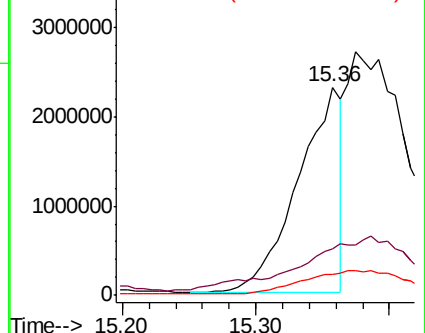
125 10.2 10.2 15.2



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: 80.791 ng/ul

RT: 15.70 min Scan# 2315

Delta R.T. 0.09 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

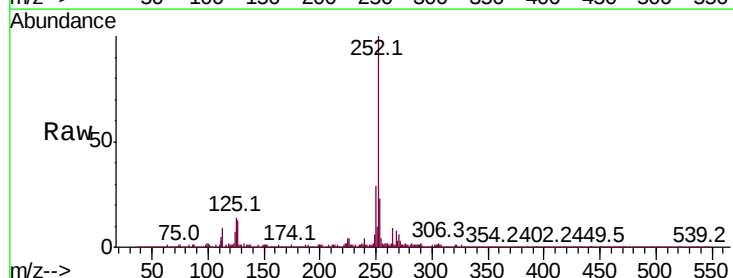
Tgt Ion:252 Resp: 4785495

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

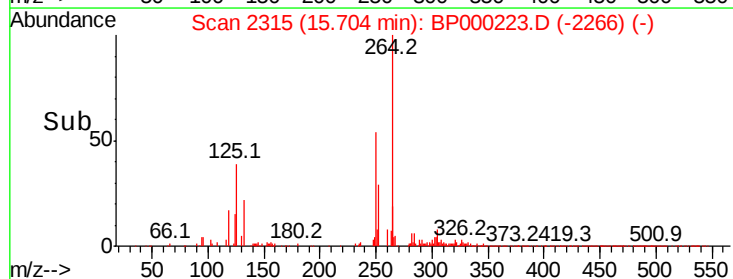
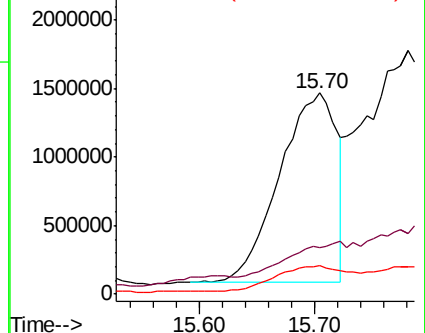
125 14.1 10.2 15.2

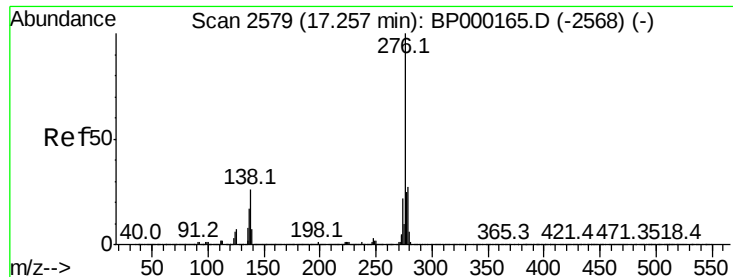


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.677 ng/ul

RT: 17.29 min Scan# 2585

Delta R.T. 0.04 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Instrument :

BNA_P

ClientSampled :

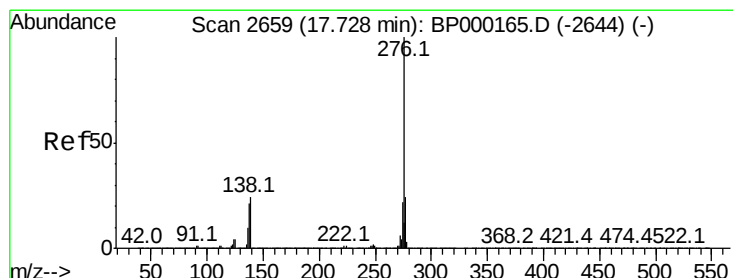
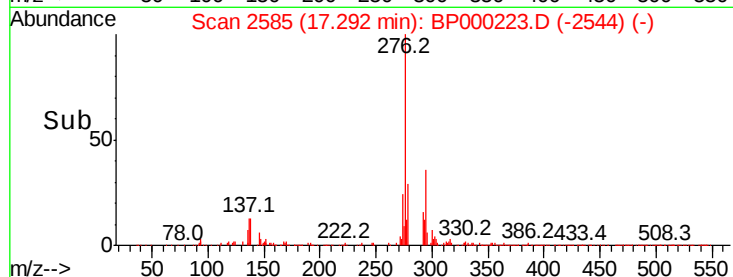
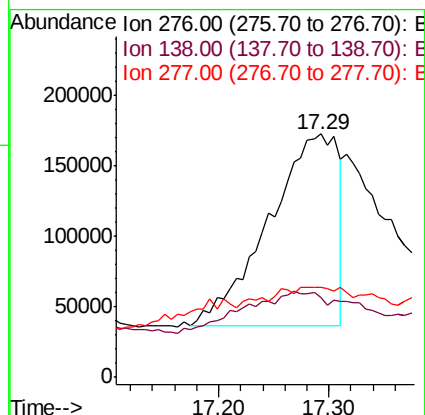
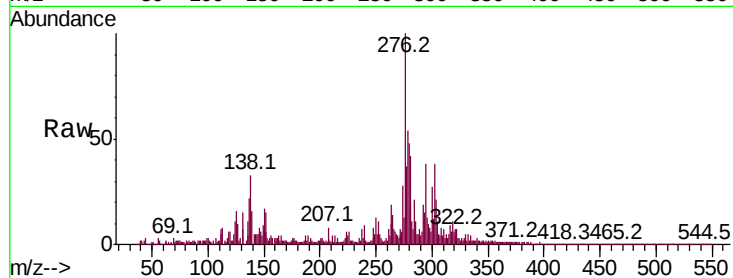
Tot Ion:276 Resp: 591316

Ion Ratio Lower Upper

276 100

138 32.8 20.0 30.0#

277 36.9 19.4 29.0#



#94

Benzo(g,h,i)perylene

Concen: 1.606 ng/ul

RT: 17.72 min Scan# 2657

Delta R.T. -0.01 min

Lab File: BP000223.D

Acq: 12 Sep 2019 18:56

Tgt Ion:276 Resp: 91251

Ion Ratio Lower Upper

276 100

138 50.9 20.0 30.0#

277 45.6 19.1 28.7#

