

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091019\
 Data File : BP000185.D
 Acq On : 10 Sep 2019 23:28
 Operator : HP/JU
 Sample : K4633-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 11 04:11:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 11 02:03:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	469032	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1783809	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	931961	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1532207	20.00	ng/ul	0.00
78) Chrysene-d12	14.15	240	993859	20.00	ng/ul	0.00
86) Perylene-d12	15.70	264	1121298	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	54084	4.09	ng/uL	0.01
5) Phenol-d5	6.51	99	1033342	25.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	534273	25.57	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	847457	26.23	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	799588	26.64	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	410231	30.29	ng/ul	0.00
22) 2-Nitrophenol-d4	7.77	143	441709	33.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	769015	27.48	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	743661	21.49	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	2064861	30.01	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	2396467	28.18	ng/ul	0.00
52) 4-Nitrophenol-d4	10.03	143	281113	22.86	ng/ul	0.00
58) Fluorene-d10	10.47	176	1634680	27.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.53	200	102236	14.52	ng/ul	0.00
71) Anthracene-d10	11.51	188	2084764	28.10	ng/ul	0.00
79) Pyrene-d10	12.90	212	1947524	32.95	ng/ul	0.00
90) Benzo(a)pyrene-d12	15.60	264	1728415	29.74	ng/ul	0.02

Target Compounds

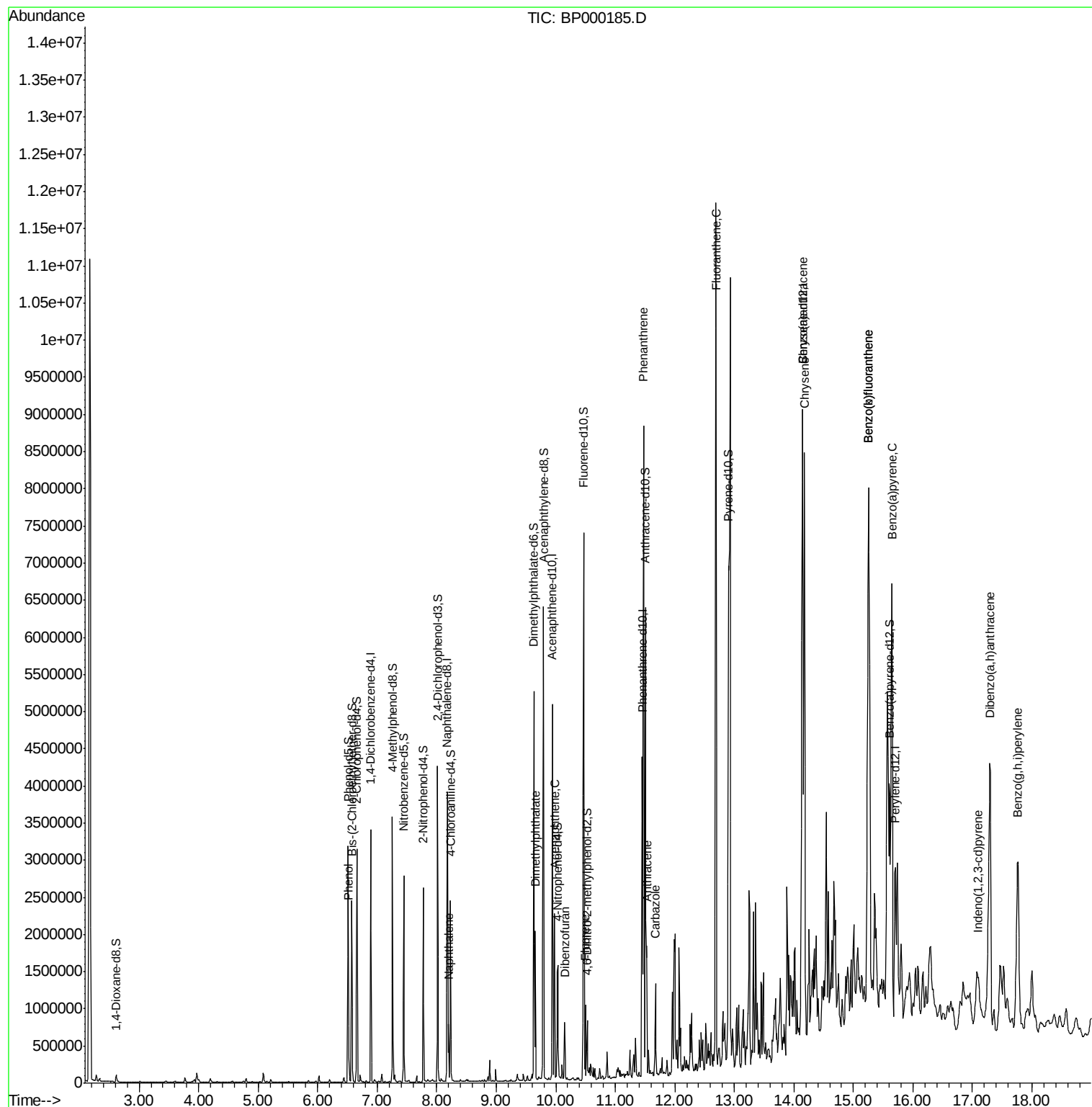
					Ovalue	
6) Phenol	6.52	94	161974	3.890	ng/ul	97
28) Naphthalene	8.20	128	277383	2.855	ng/ul	99
45) Dimethylphthalate	9.66	163	758045	10.916	ng/ul	98
50) Acenaphthene	9.98	153	543591	8.830	ng/ul	99
54) Dibenzofuran	10.15	168	179794	2.129	ng/ul	96
59) Fluorene	10.50	166	233889	3.580	ng/ul	99
70) Phenanthrene	11.47	178	3152781	34.795	ng/ul	98
72) Anthracene	11.53	178	644602	7.230	ng/ul	99
75) Carbazole	11.68	167	517038	6.782	ng/ul	98
77) Fluoranthene	12.69	202	5065665	55.428	ng/ul	100
83) Benzo(a)anthracene	14.14	228	3417565	47.504	ng/ul	98
85) Chrysene	14.18	228	3249292	49.219	ng/ul	96
88) Benzo(b)fluoranthene	15.26	252	6605160	88.878	ng/ul	97
89) Benzo(k)fluoranthene	15.26	252	6607848	94.324	ng/ul	98
91) Benzo(a)pyrene	15.64	252	3817381	54.747	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	17.10	276	324120	4.041	ng/ul	96
93) Dibenzo(a,h)anthracene	17.30	278	781462	11.761	ng/ul	95
94) Benzo(g,h,i)perylene	17.76	276	2442278	36.516	ng/ul	98

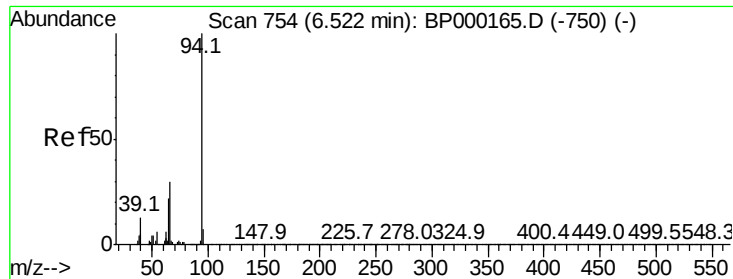
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 11 02:03:45 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.890 ng/ul

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Instrument :

BNA_P

ClientSampleId :

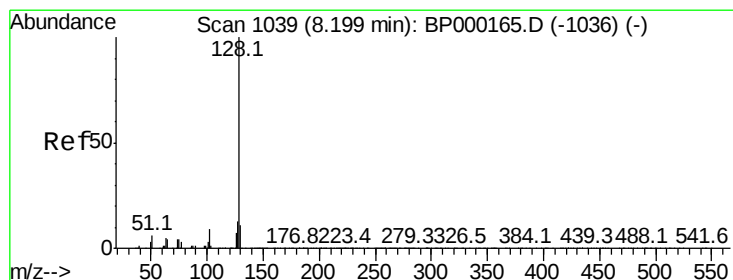
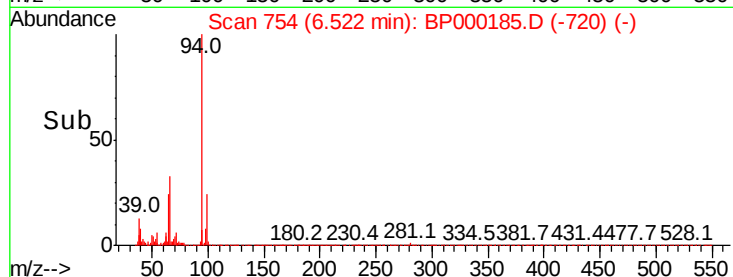
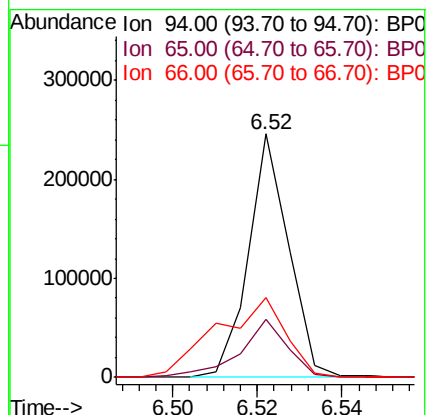
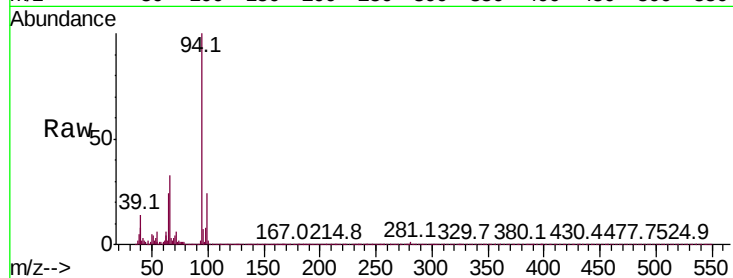
Tot Ion: 94 Resp: 161974

Ion Ratio Lower Upper

94 100

65 24.0 18.8 28.2

66 32.5 24.2 36.2



#28

Naphthalene

Concen: 2.855 ng/ul

RT: 8.20 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

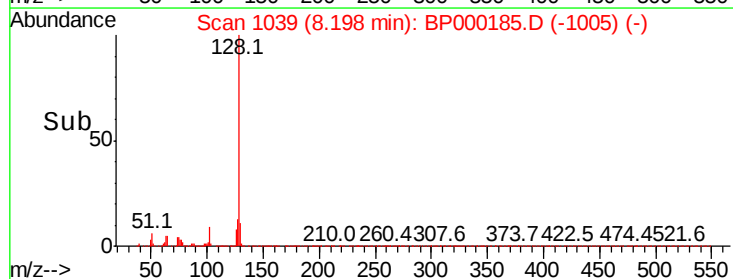
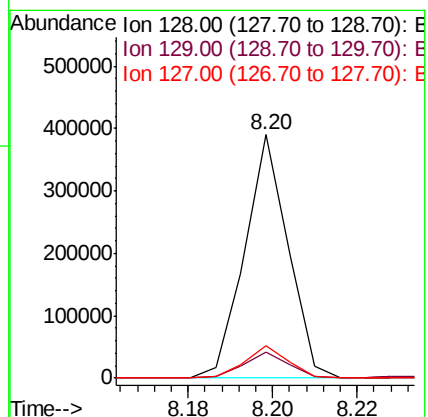
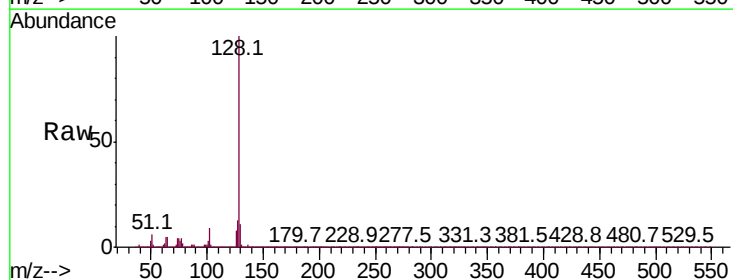
Tgt Ion: 128 Resp: 277383

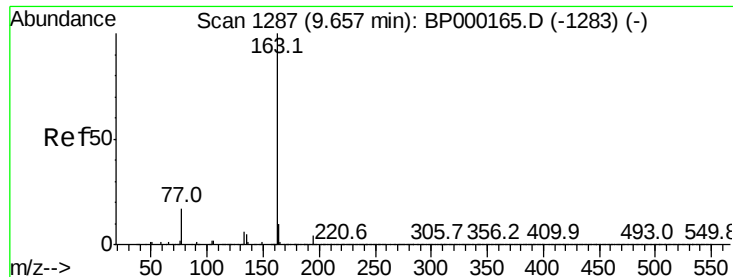
Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

127 13.2 10.7 16.1





#45

Dimethylphthalate

Concen: 10.916 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Instrument :

BNA_P

ClientSampled :

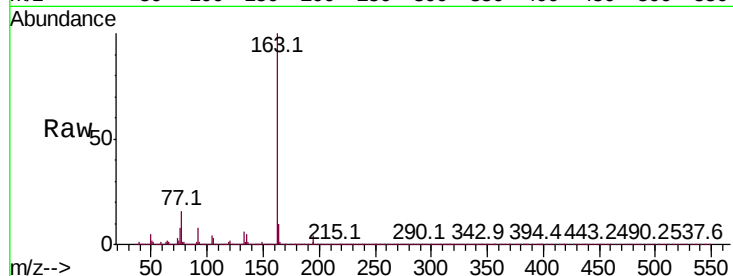
Tot Ion:163 Resp: 758045

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

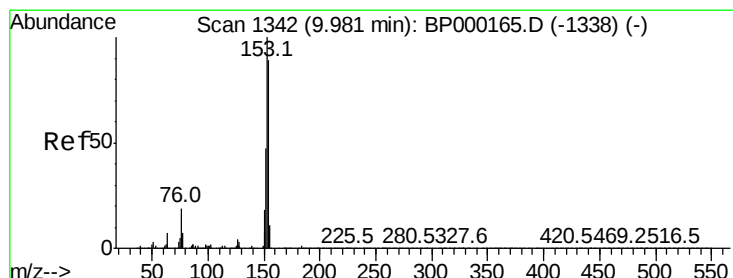
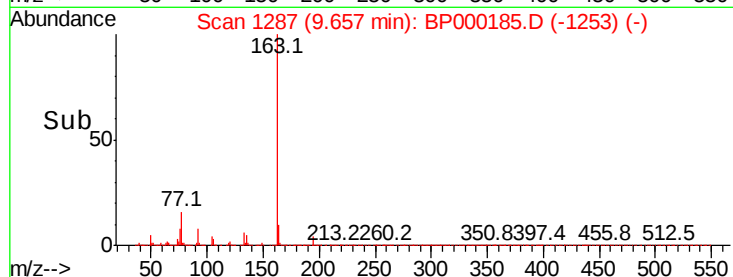
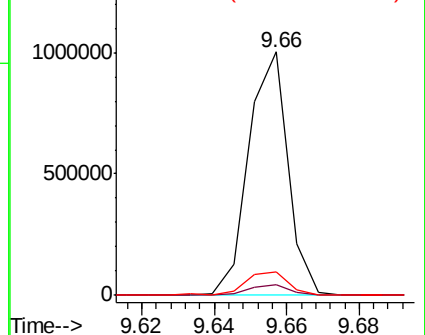
164 9.7 8.4 12.6



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: 8.830 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

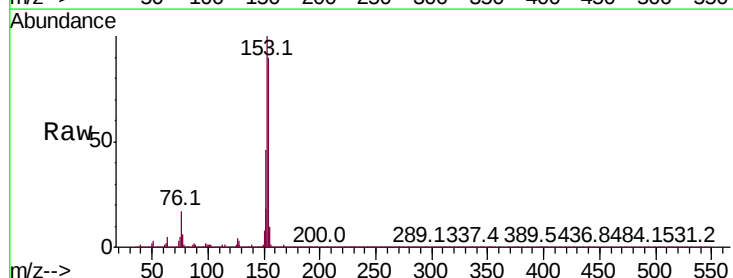
Tgt Ion:153 Resp: 543591

Ion Ratio Lower Upper

153 100

152 46.3 38.0 57.0

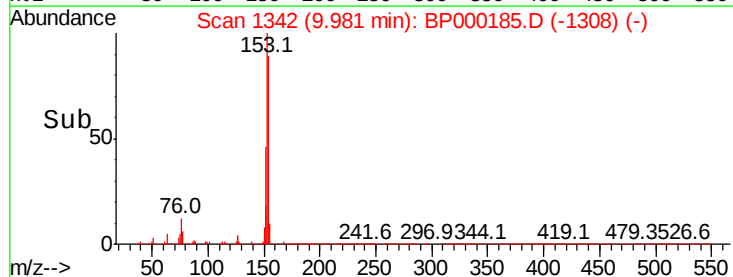
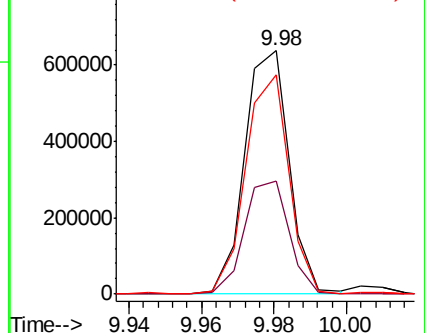
154 90.1 72.6 108.8

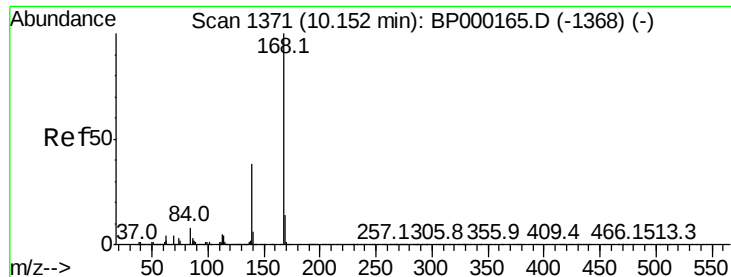


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.129 ng/ul

RT: 10.15 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Instrument :

BNA_P

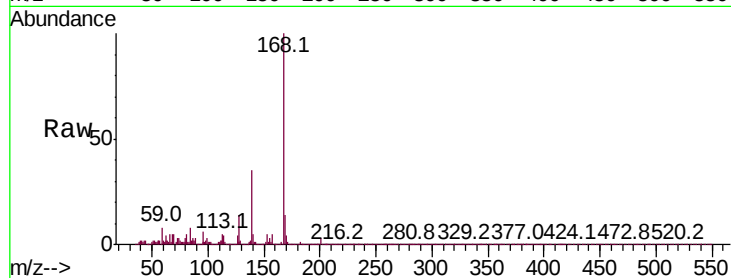
ClientSampleId :

Tot Ion:168 Resp: 179794

Ion Ratio Lower Upper

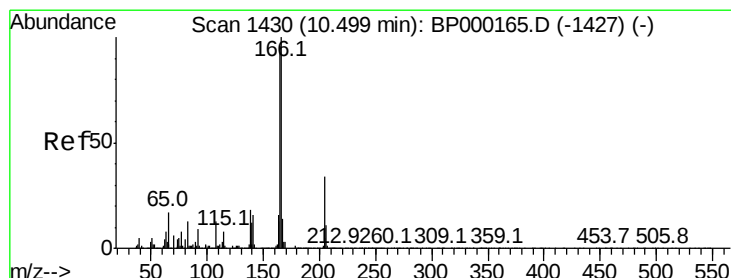
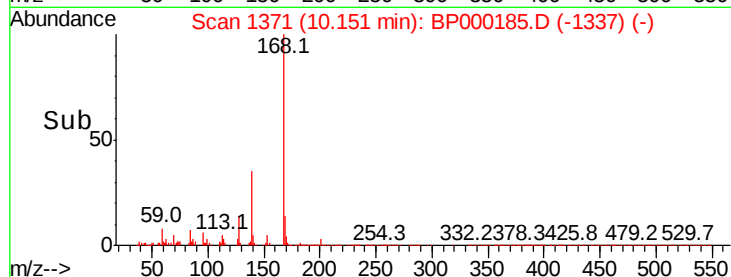
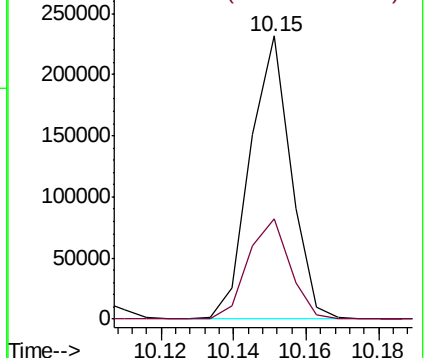
168 100

139 35.3 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: 3.580 ng/ul

RT: 10.50 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

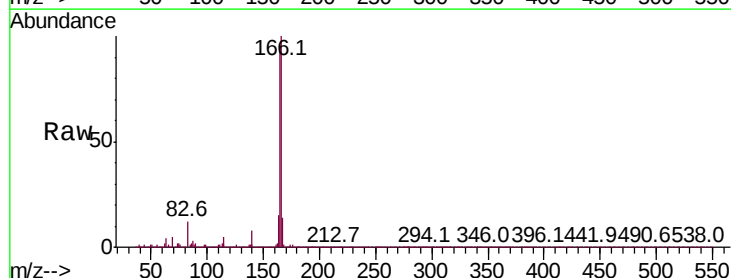
Tgt Ion:166 Resp: 233889

Ion Ratio Lower Upper

166 100

165 96.3 77.8 116.8

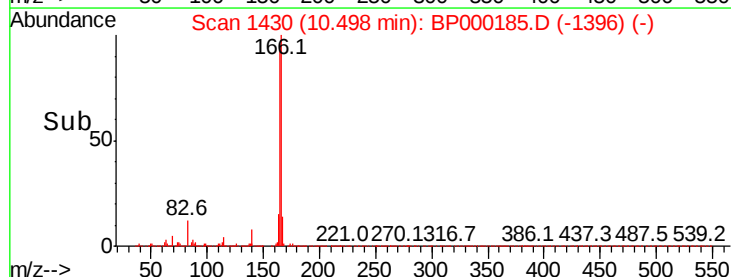
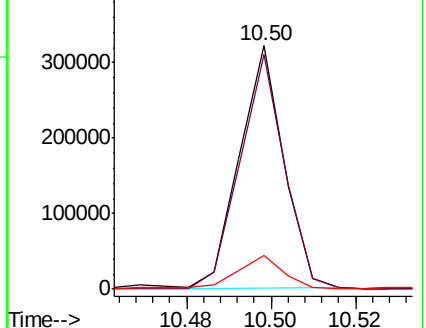
167 13.6 10.9 16.3

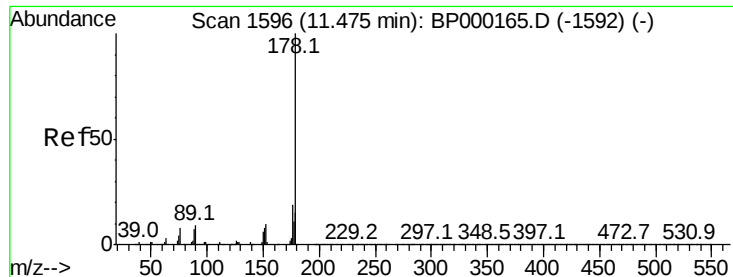


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 34.795 ng/ul

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

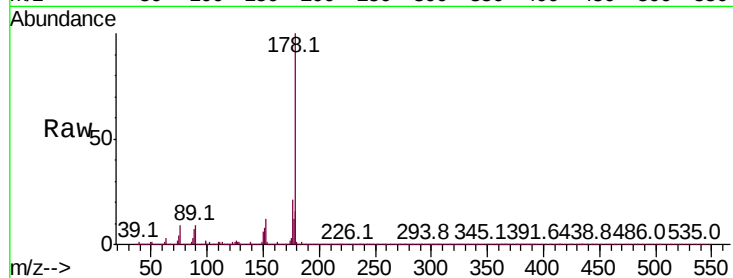
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 3152781

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.5	18.7
176	20.6	15.7	23.5

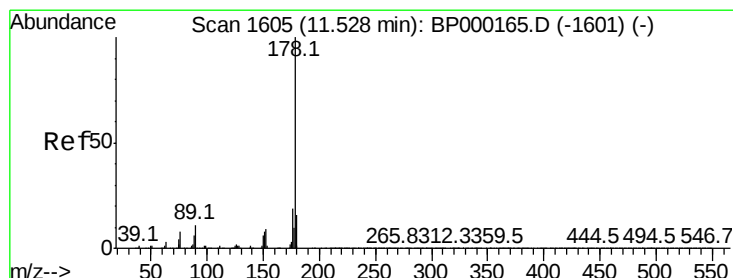
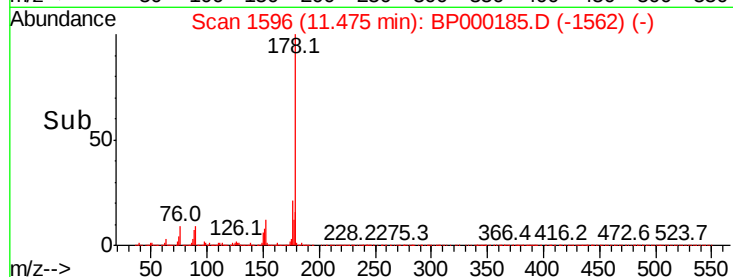
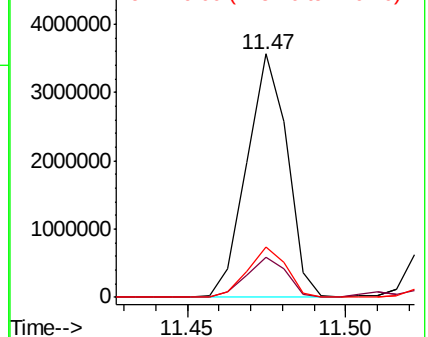


Abundance

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: 7.230 ng/ul

RT: 11.53 min Scan# 1605

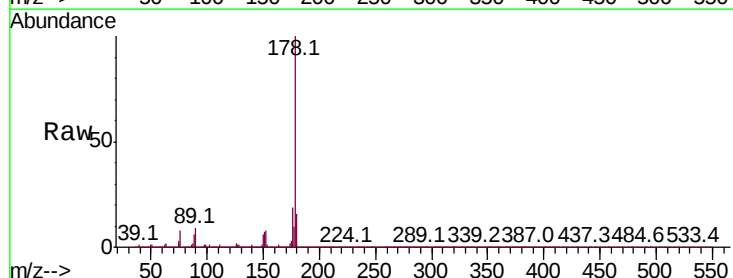
Delta R.T. -0.00 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Tgt Ion:178 Resp: 644602

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.5	15.1	22.7

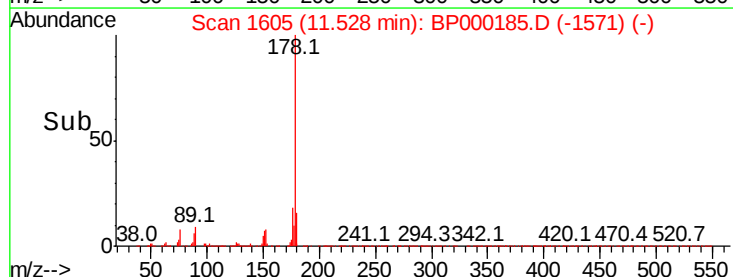
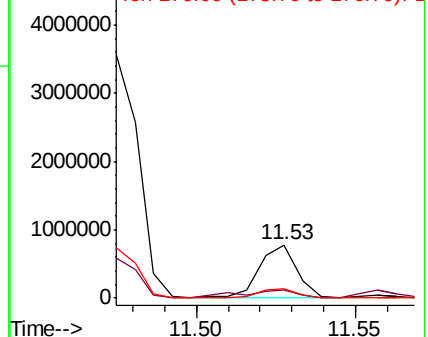


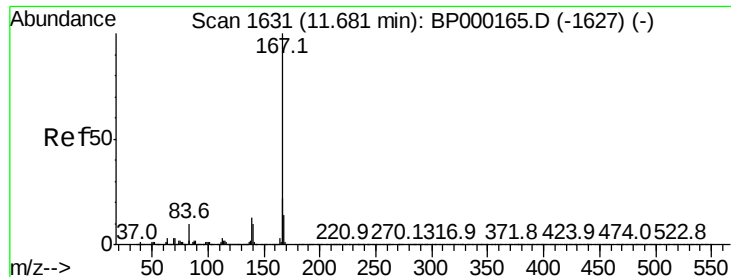
Abundance

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

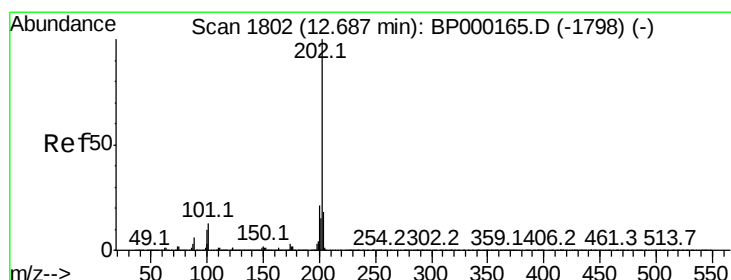
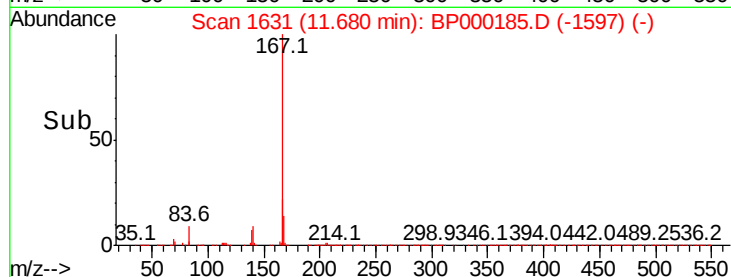
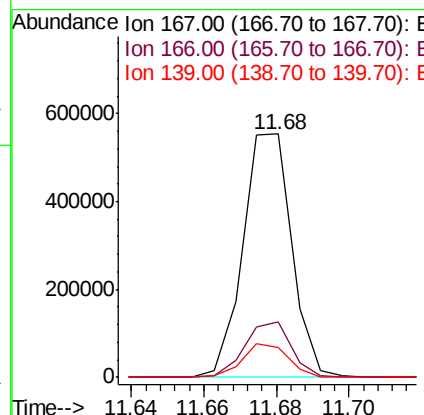
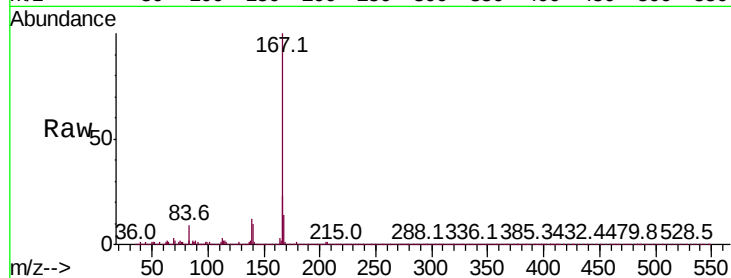




#75
 Carbazole
 Concen: 6.782 ng/ul
 RT: 11.68 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BP000185.D
 Acq: 10 Sep 2019 23:28

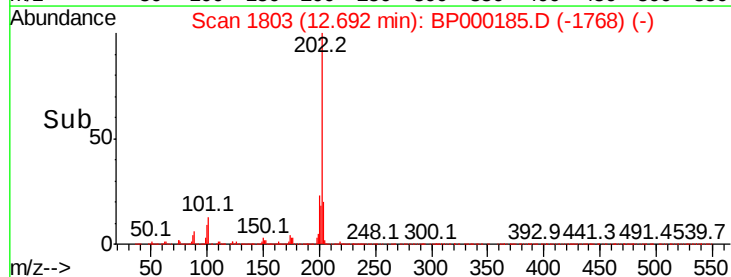
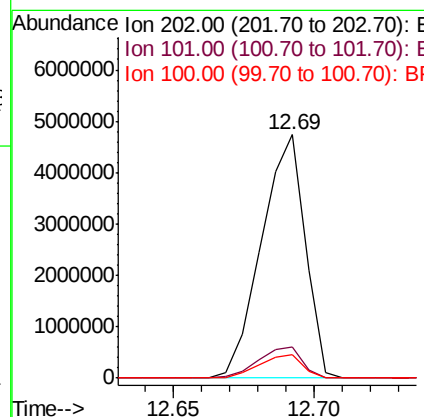
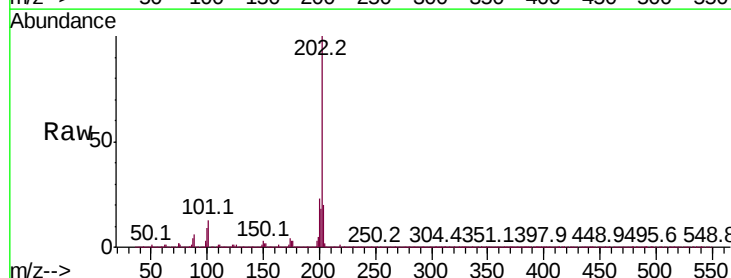
Instrument :
 BNA_P
 ClientSampleId :

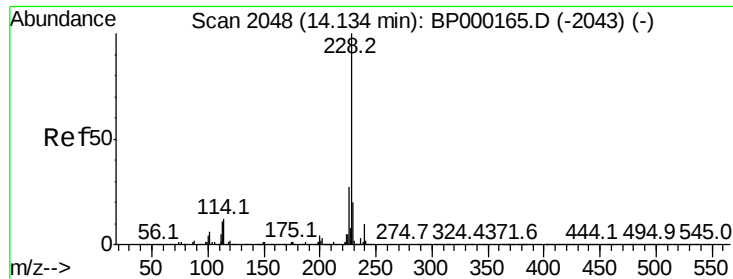
Tot Ion:167 Resp: 517038
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.3 25.9
 139 12.5 10.6 15.8



#77
 Fluoranthene
 Concen: 55.428 ng/ul
 RT: 12.69 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: BP000185.D
 Acq: 10 Sep 2019 23:28

Tgt Ion:202 Resp: 5065665
 Ion Ratio Lower Upper
 202 100
 101 12.5 10.0 15.0
 100 9.5 7.4 11.2

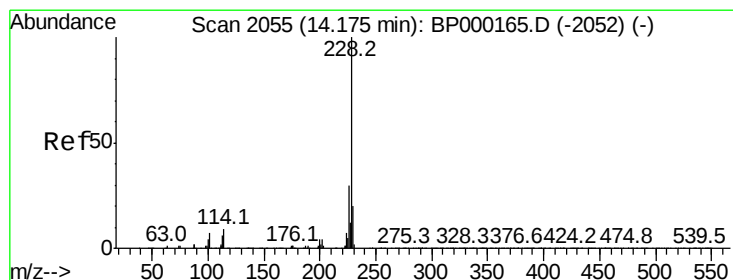
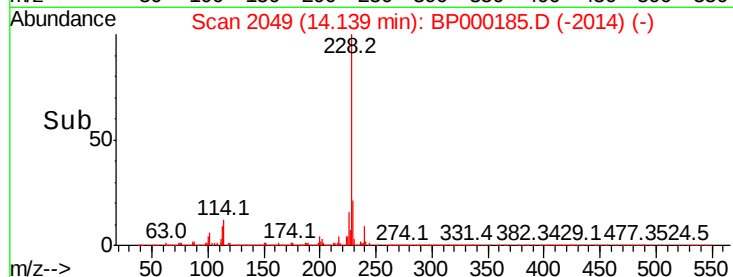
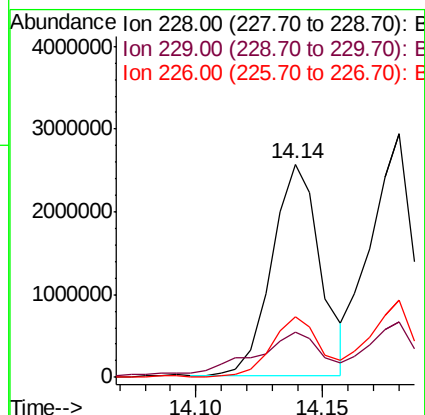
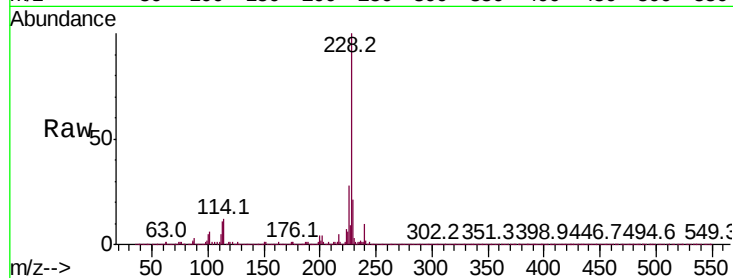




#83
Benzo(a)anthracene
Concen: 47.504 ng/ul
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BP000185.D
Acq: 10 Sep 2019 23:28

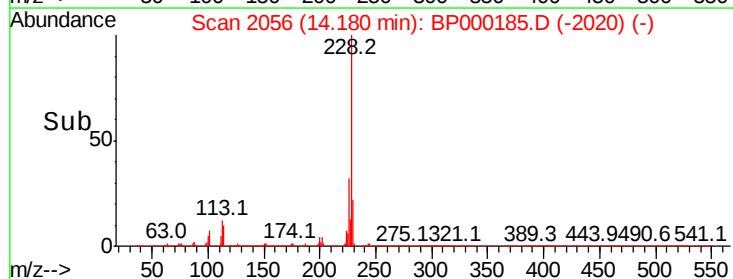
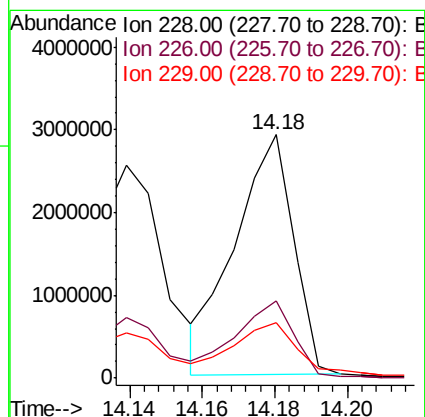
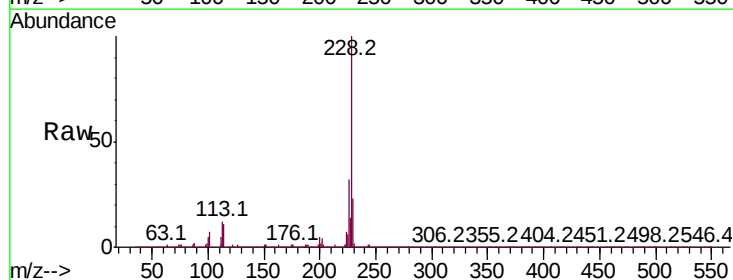
Instrument :
BNA_P
ClientSampleId :

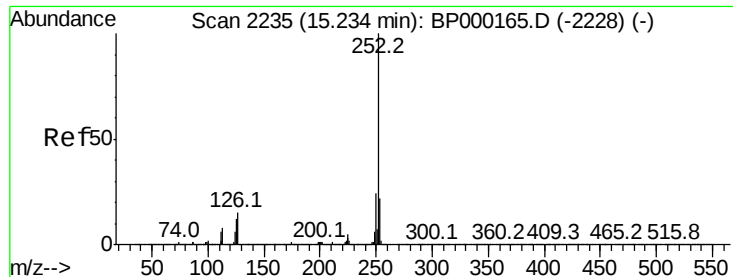
Tot Ion:228 Resp: 3417565
Ion Ratio Lower Upper
228 100
229 21.5 15.9 23.9
226 28.2 22.1 33.1



#85
Chrysene
Concen: 49.219 ng/ul
RT: 14.18 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BP000185.D
Acq: 10 Sep 2019 23:28

Tgt Ion:228 Resp: 3249292
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 23.0 16.0 24.0

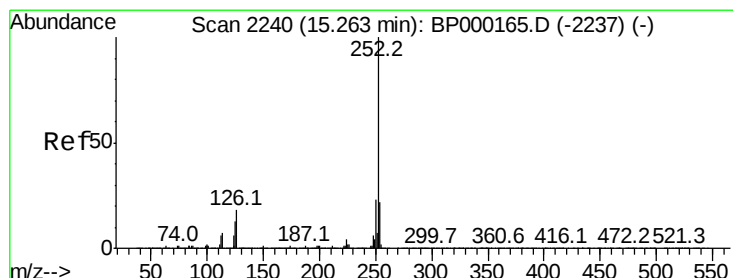
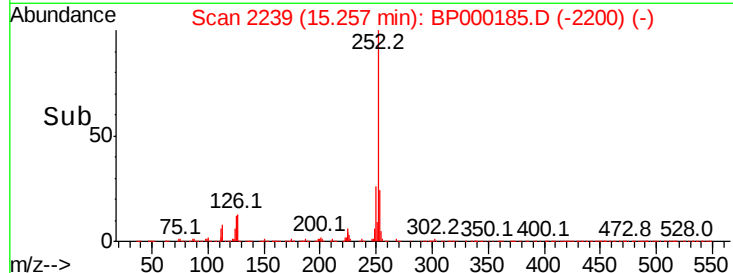
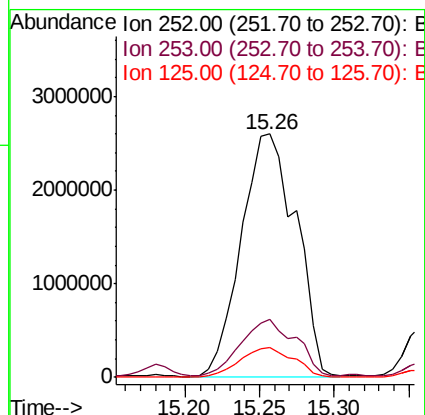
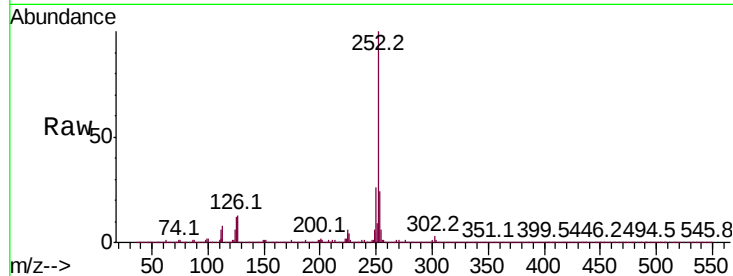




#88
Benzo(b)fluoranthene
Concen: 88.878 ng/ul
RT: 15.26 min Scan# 2239
Delta R.T. 0.03 min
Lab File: BP000185.D
Acq: 10 Sep 2019 23:28

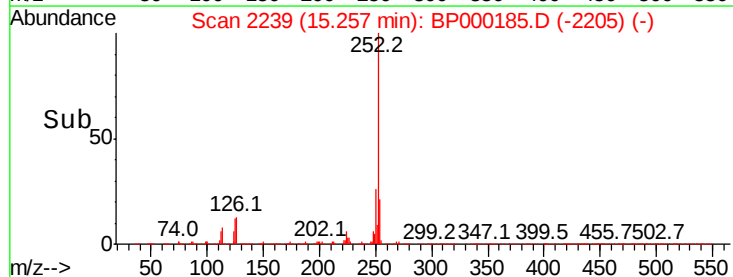
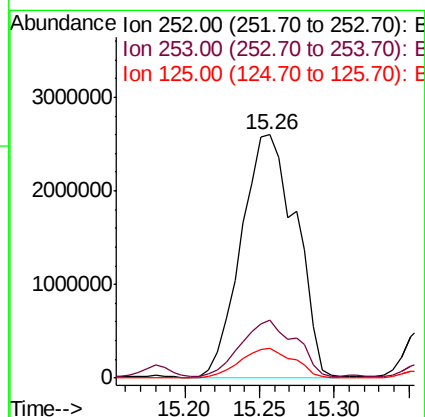
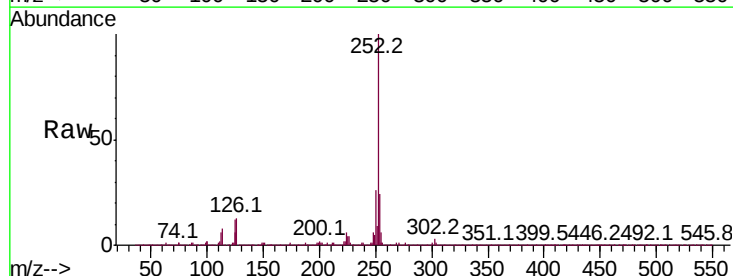
Instrument :
BNA_P
ClientSampleId :

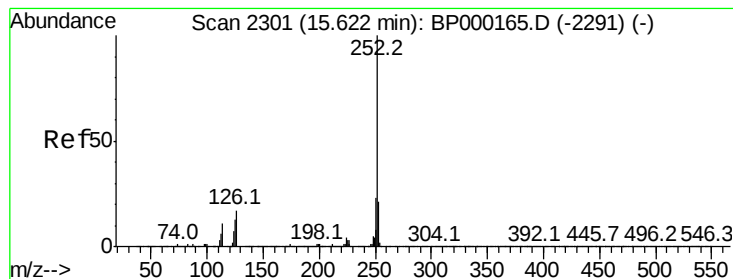
Tot Ion:252 Resp: 6605160
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.4 9.9 14.9



#89
Benzo(k)fluoranthene
Concen: 94.324 ng/ul
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BP000185.D
Acq: 10 Sep 2019 23:28

Tgt Ion:252 Resp: 6607848
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 12.4 10.2 15.2





#91

Benzo(a)pyrene

Concen: 54.747 ng/uL

RT: 15.64 min Scan# 2305

Delta R.T. 0.03 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

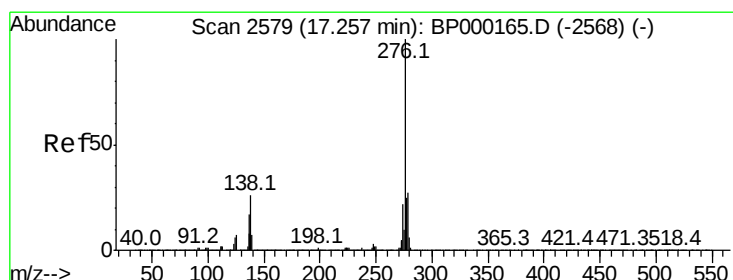
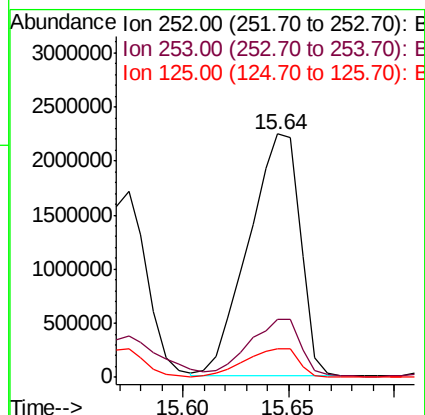
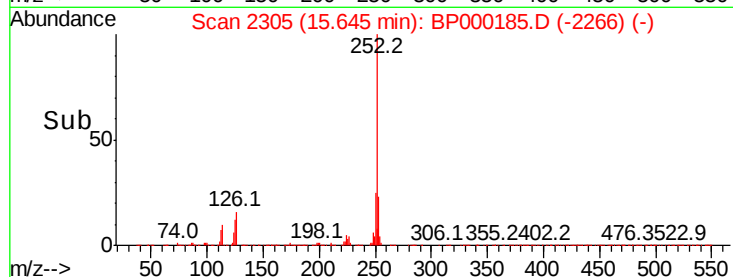
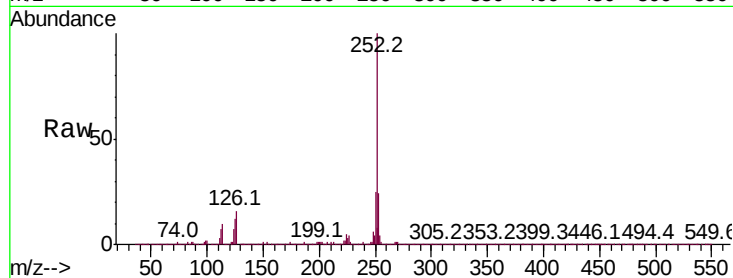
Instrument :

BNA_P

ClientSampled :

Tot Ion:252 Resp: 3817381

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.9	10.2	15.2



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.041 ng/uL

RT: 17.10 min Scan# 2553

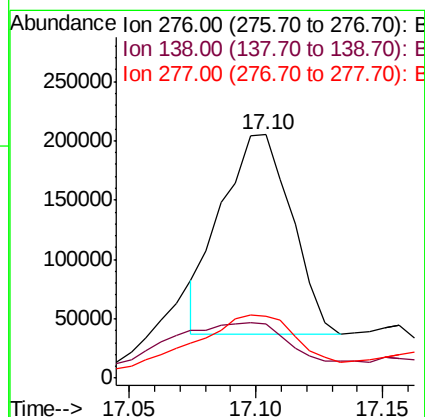
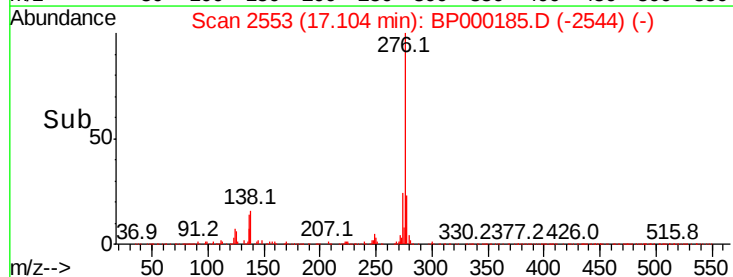
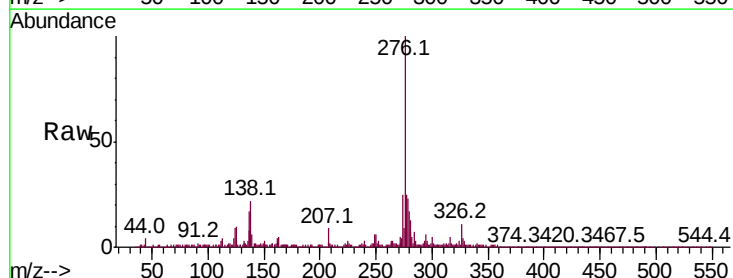
Delta R.T. -0.15 min

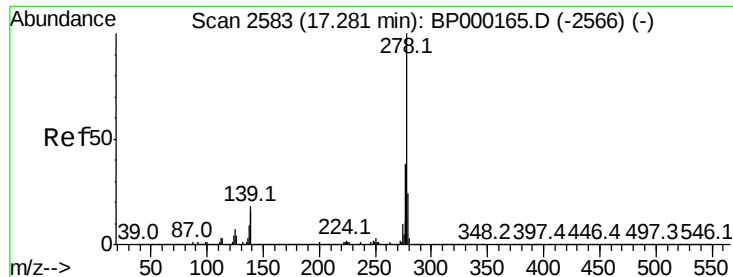
Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Tgt Ion:276 Resp: 324120

Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.0	30.0
277	25.3	19.4	29.0





#93

Dibenzo(a,h)anthracene

Concen: 11.761 ng/ul

RT: 17.30 min Scan# 2586

Delta R.T. 0.02 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

Instrument :

BNA_P

ClientSampled :

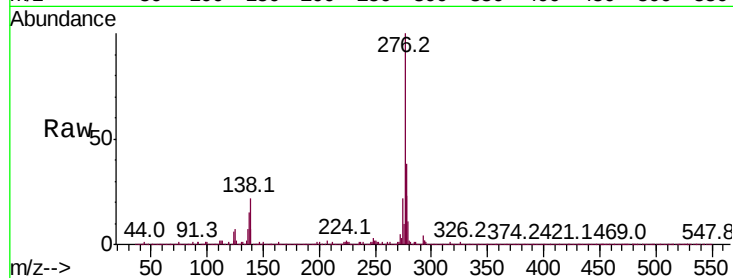
Tot Ion:278 Resp: 781462

Ion Ratio Lower Upper

278 100

139 18.5 15.1 22.7

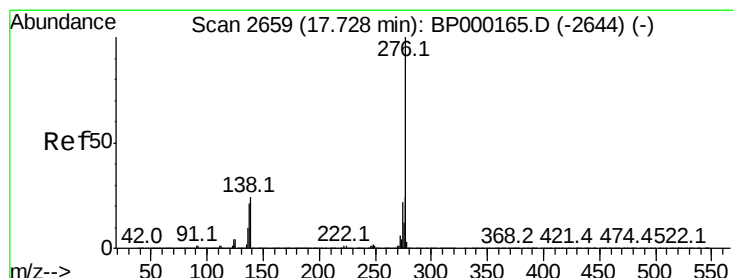
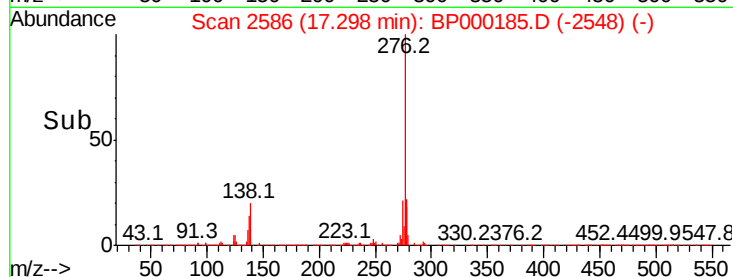
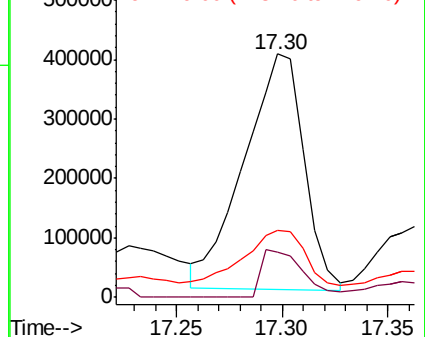
279 27.7 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 36.516 ng/ul

RT: 17.76 min Scan# 2664

Delta R.T. 0.04 min

Lab File: BP000185.D

Acq: 10 Sep 2019 23:28

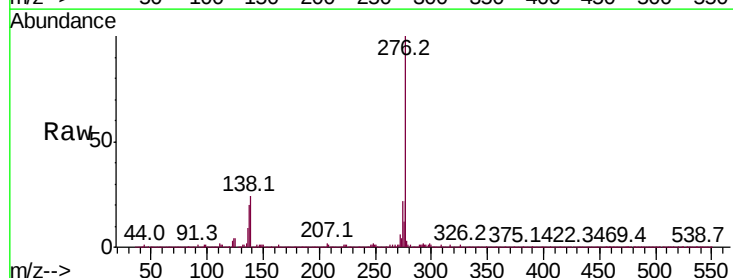
Tgt Ion:276 Resp: 2442278

Ion Ratio Lower Upper

276 100

138 24.3 20.0 30.0

277 22.3 19.1 28.7



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

