

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000218.D
 Acq On : 12 Sep 2019 15:15
 Operator : HP/JU
 Sample : K4634-05RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:48:44 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	423496	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1591315	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	844755	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1458900	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	1106221	20.00	ng/ul	0.02
86) Perylene-d12	15.74	264	1157482	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	25414	2.13	ng/uL	0.01
5) Phenol-d5	6.51	99	461561	12.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	242066	12.83	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	390460	13.39	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	339555	12.53	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	175601	14.53	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	181337	15.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	337000	13.50	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	218321	7.07	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	888590	14.25	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1086961	14.10	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	116579	10.46	ng/ul	0.00
58) Fluorene-d10	10.47	176	719296	13.58	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.54	200	32557	4.86	ng/ul	0.01
71) Anthracene-d10	11.51	188	990199	14.02	ng/ul	0.00
79) Pyrene-d10	12.91	212	951537	14.46	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.65	264	825128	13.75	ng/ul	0.06

Target Compounds

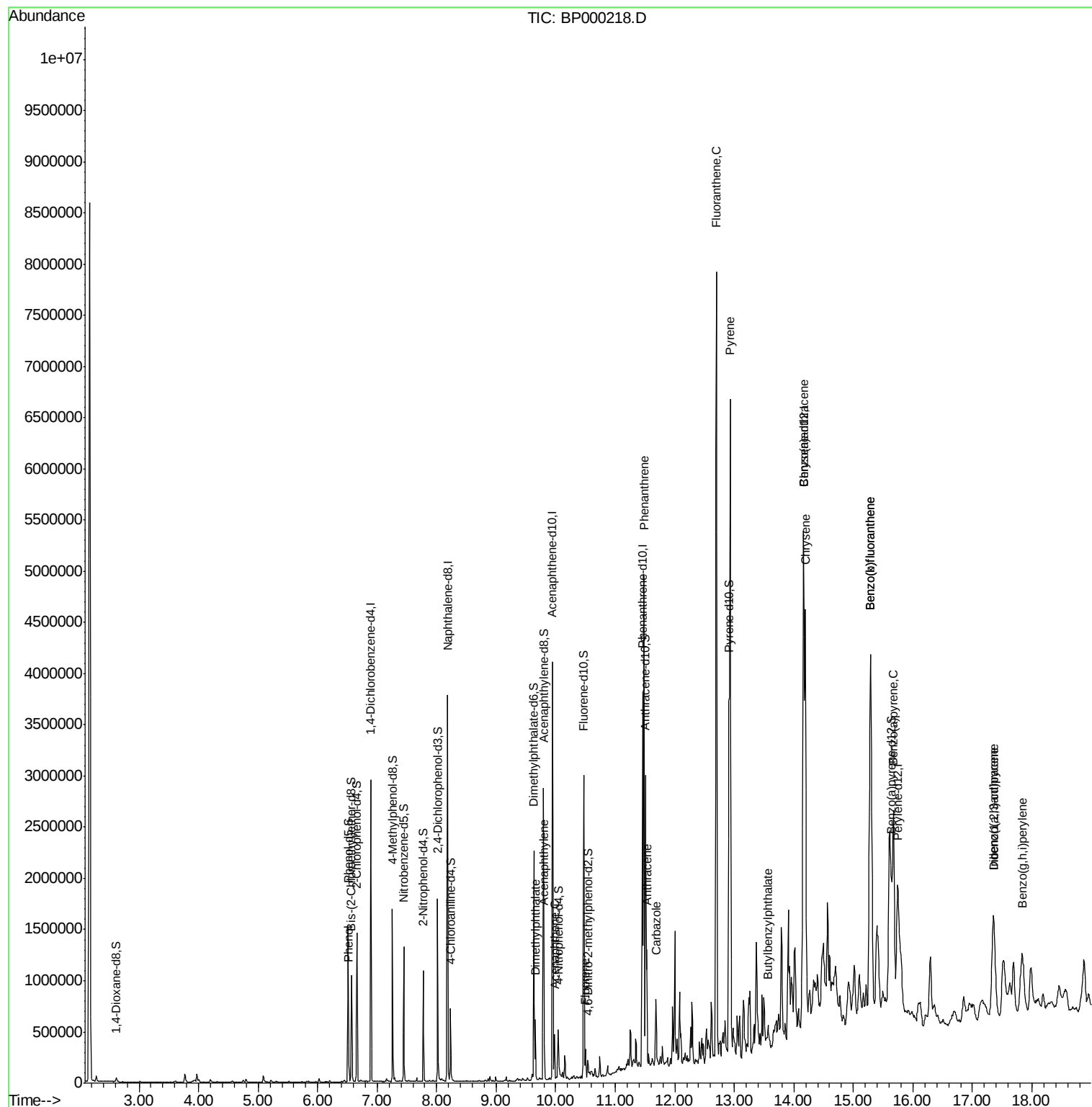
					Ovalue	
6) Phenol	6.52	94	81823	2.176	ng/ul	96
45) Dimethylphthalate	9.66	163	235578	3.743	ng/ul	100
48) Acenaphthylene	9.80	152	176892	2.195	ng/ul	98
50) Acenaphthene	9.98	153	96329	1.726	ng/ul	99
59) Fluorene	10.50	166	60829	1.027	ng/ul	94
70) Phenanthrene	11.48	178	1821989	21.118	ng/ul	98
72) Anthracene	11.53	178	412561	4.860	ng/ul	98
75) Carbazole	11.69	167	289044	3.982	ng/ul	98
77) Fluoranthene	12.70	202	3620973	41.611	ng/ul	99
80) Pyrene	12.93	202	3139502	37.617	ng/ul	94
81) Butylbenzylphthalate	13.57	149	46016	1.405	ng/ul	99
83) Benzo(a)anthracene	14.16	228	2048800	25.586	ng/ul	95
85) Chrysene	14.19	228	2048179	27.874	ng/ul	99
88) Benzo(b)fluoranthene	15.29	252	3856603	50.272	ng/ul	97
89) Benzo(k)fluoranthene	15.29	252	3859584	53.372	ng/ul	97
91) Benzo(a)pyrene	15.67	252	1734176	24.093	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	17.35	276	1125403	13.591	ng/ul	98
93) Dibenzo(a,h)anthracene	17.35	278	401111	5.848	ng/ul	94
94) Benzo(g,h,i)perylene	17.83	276	976130	14.138	ng/ul	98

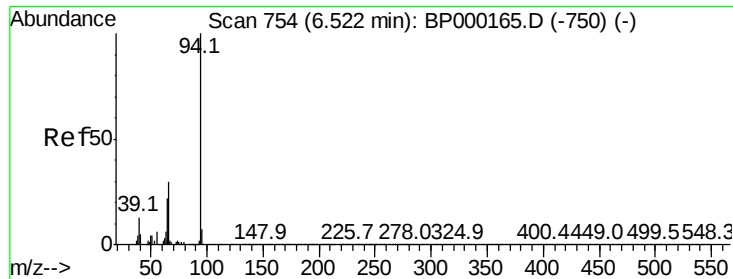
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 2.176 ng/ul

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Instrument :

BNA_P

ClientSampleId :

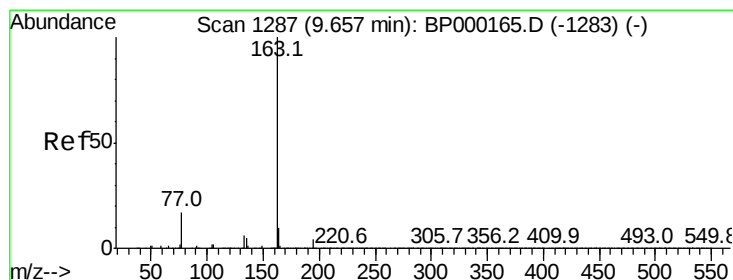
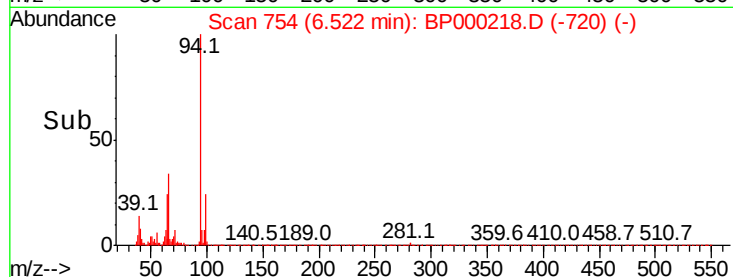
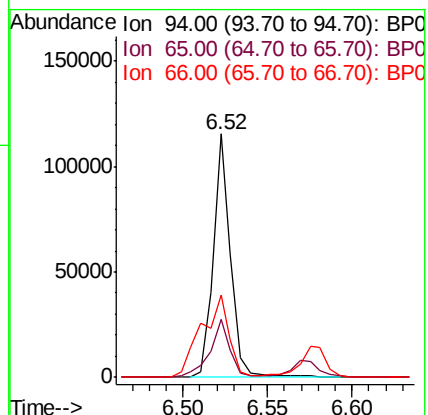
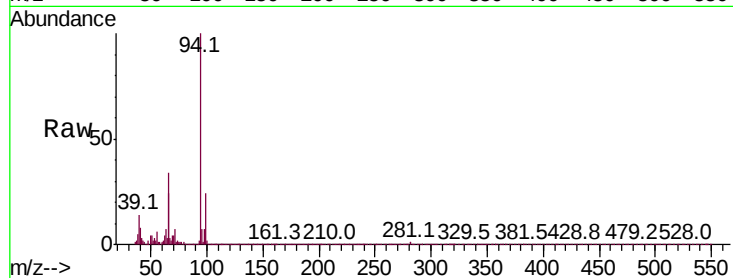
Tot Ion: 94 Resp: 81823

Ion Ratio Lower Upper

94 100

65 23.7 18.8 28.2

66 33.7 24.2 36.2



#45

Dimethylphthalate

Concen: 3.743 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

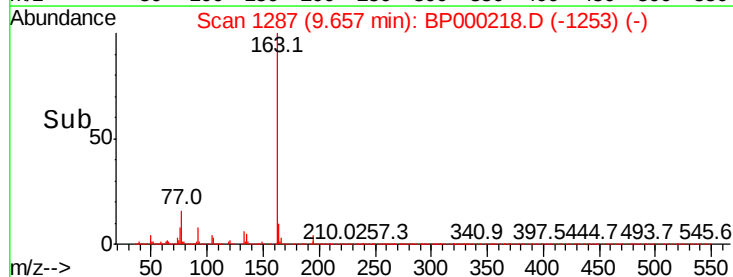
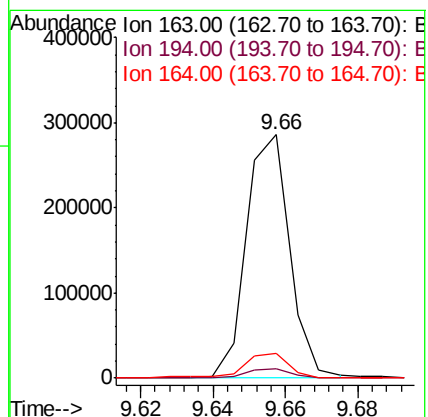
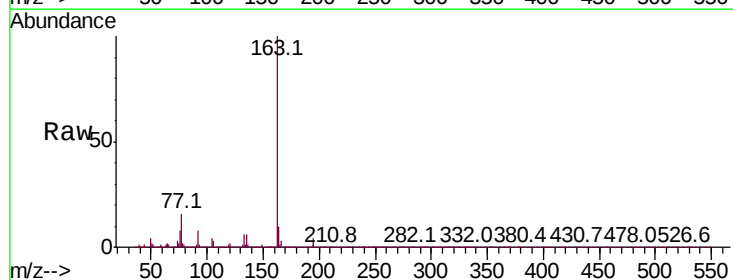
Tgt Ion: 163 Resp: 235578

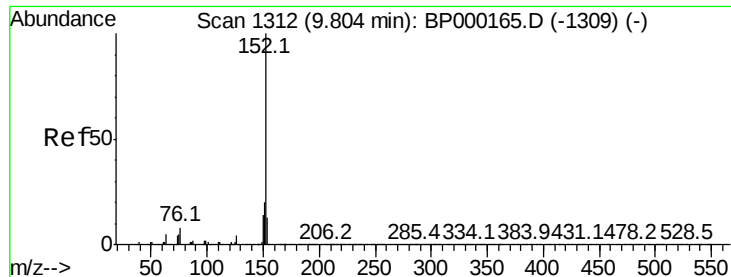
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.3 8.4 12.6





#48

Acenaphthylene

Concen: 2.195 ng/ul

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Instrument :

BNA_P

ClientSampleId :

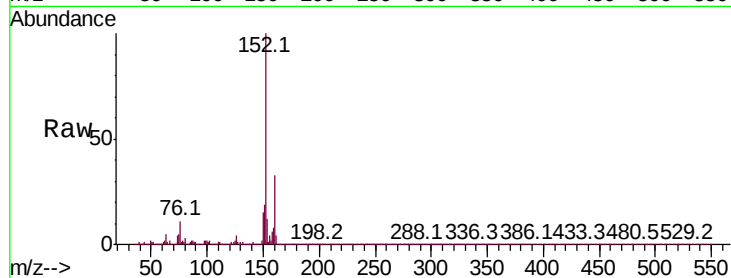
Tot Ion:152 Resp: 176892

Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

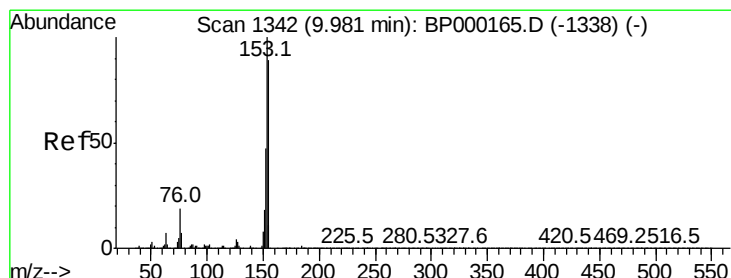
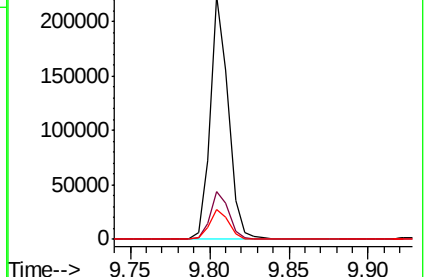
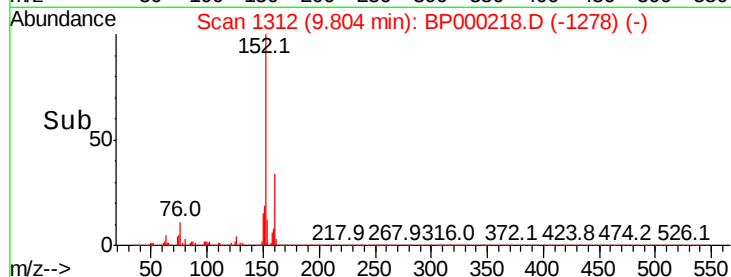
153 12.3 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.726 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

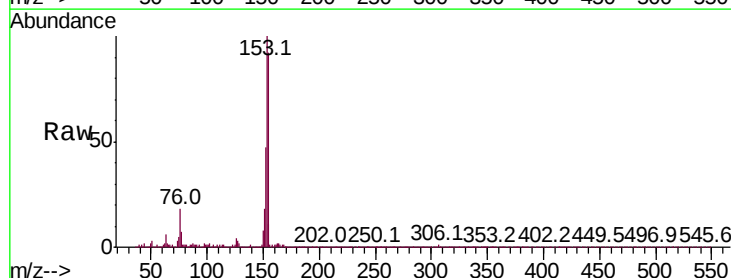
Tgt Ion:153 Resp: 96329

Ion Ratio Lower Upper

153 100

152 47.0 38.0 57.0

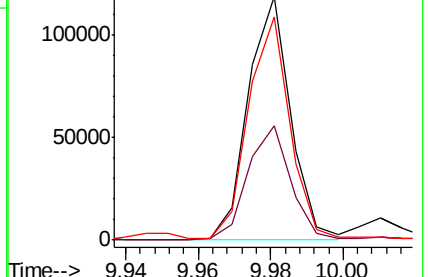
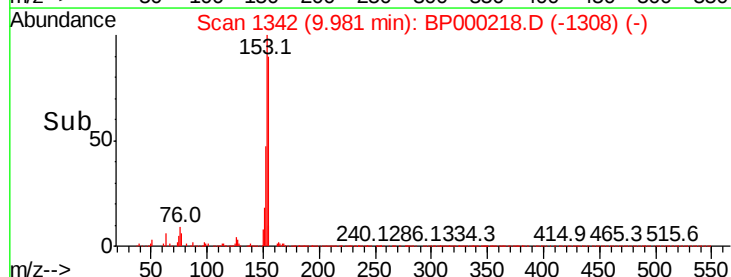
154 91.6 72.6 108.8

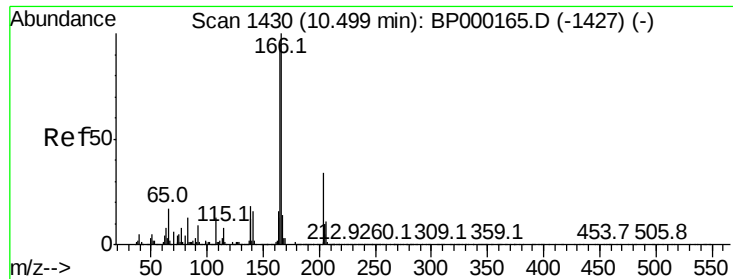


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.027 ng/ul

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

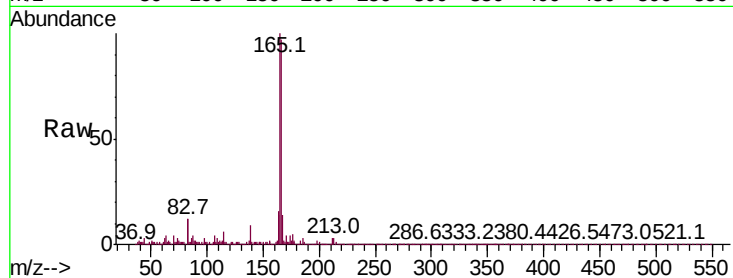
Instrument :

BNA_P

ClientSampleId :

Tot Ion:166 Resp: 60829

Ion	Ratio	Lower	Upper
166	100		
165	103.3	77.8	116.8
167	14.4	10.9	16.3

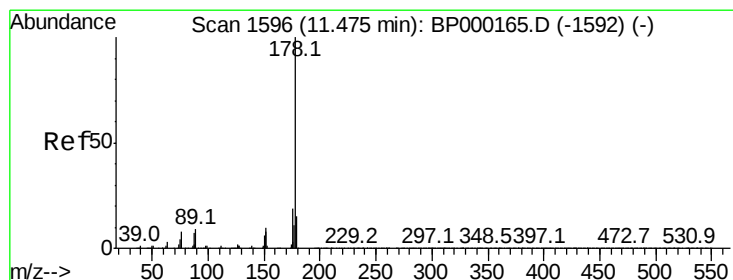
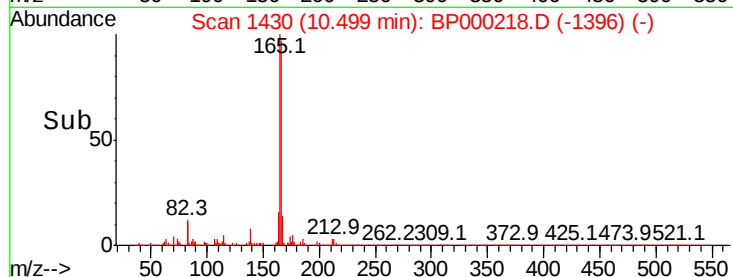
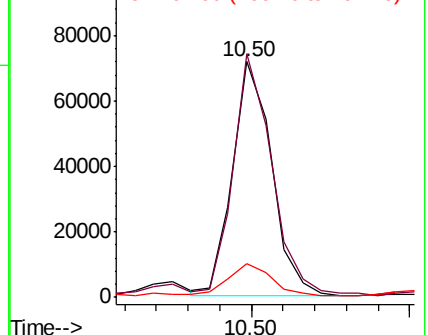


Abundance

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: 21.118 ng/ul

RT: 11.48 min Scan# 1597

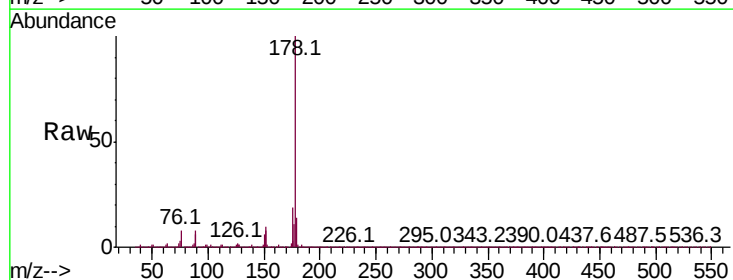
Delta R.T. 0.01 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Tgt Ion:178 Resp: 1821989

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.5	18.7
176	19.1	15.7	23.5

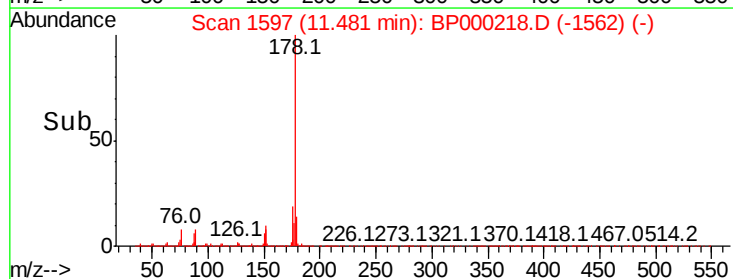
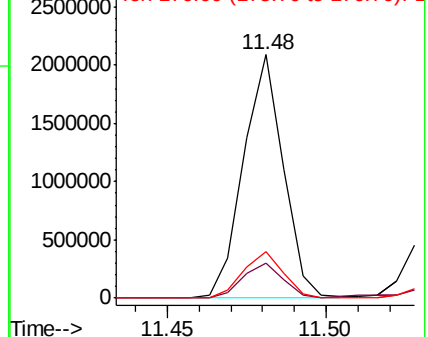


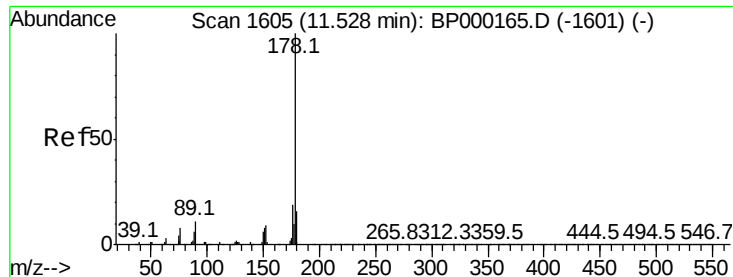
Abundance

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: 4.860 ng/ul

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Instrument :

BNA_P

ClientSampleId :

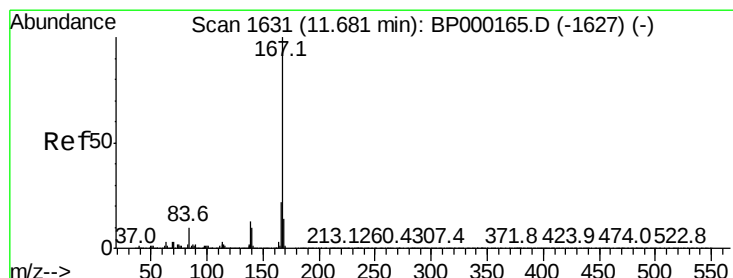
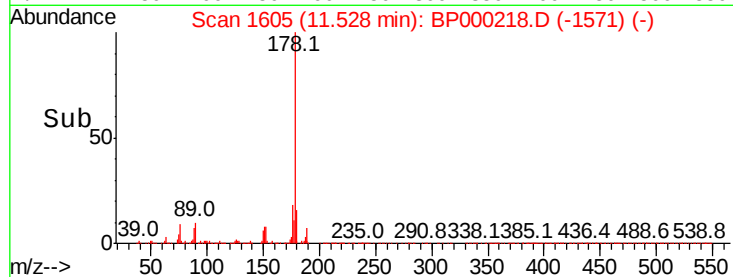
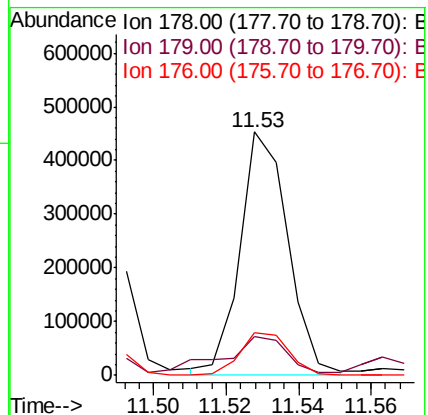
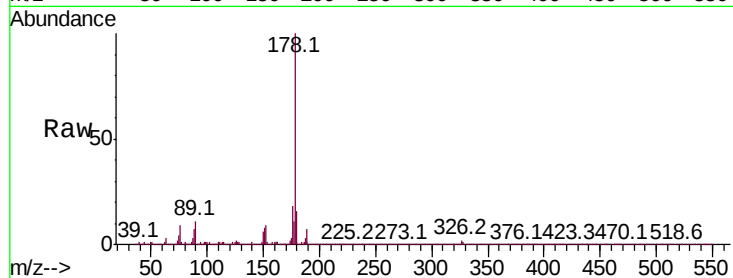
Tot Ion:178 Resp: 412561

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 17.8 15.1 22.7



#75

Carbazole

Concen: 3.982 ng/ul

RT: 11.69 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

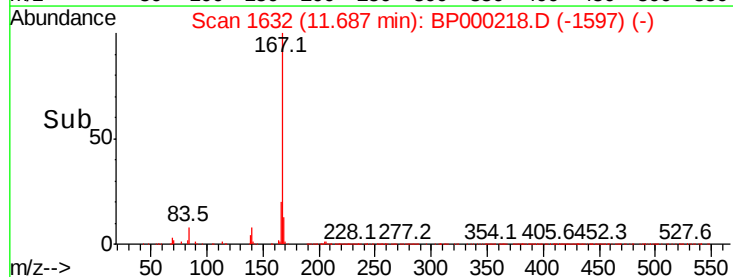
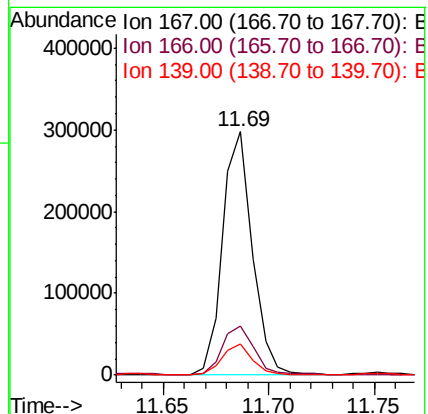
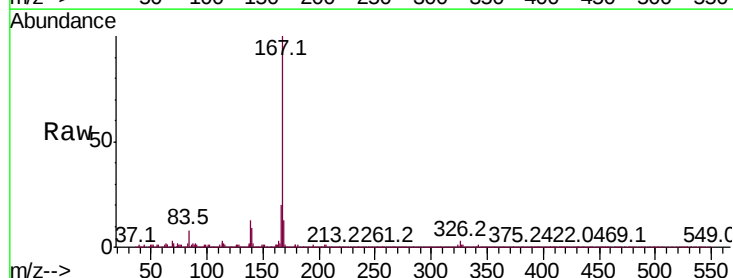
Tgt Ion:167 Resp: 289044

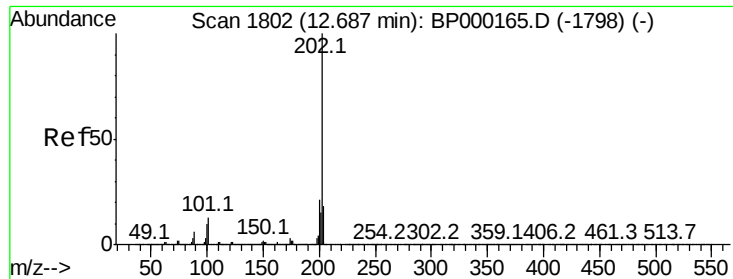
Ion Ratio Lower Upper

167 100

166 20.3 17.3 25.9

139 12.7 10.6 15.8

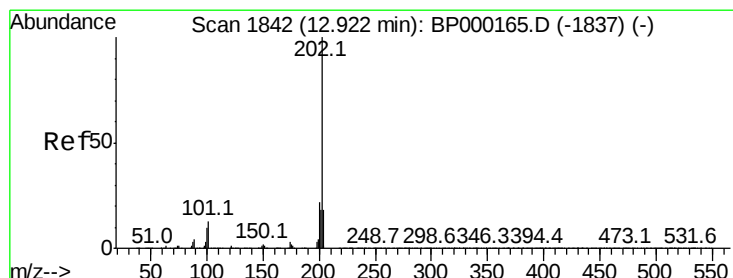
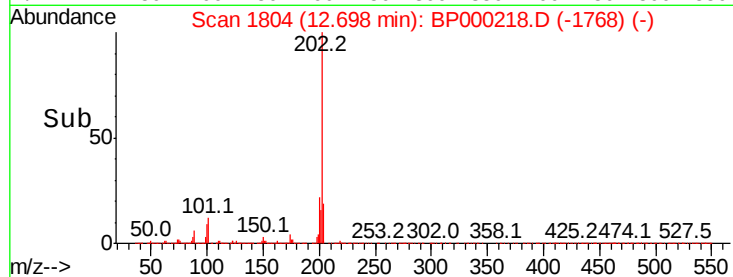
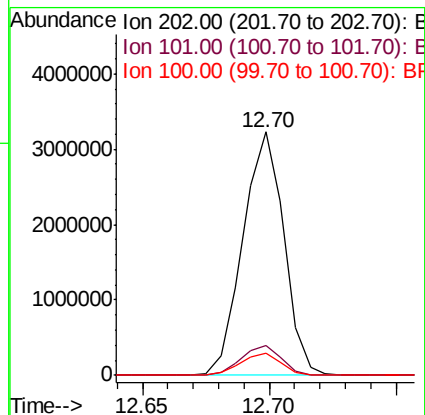
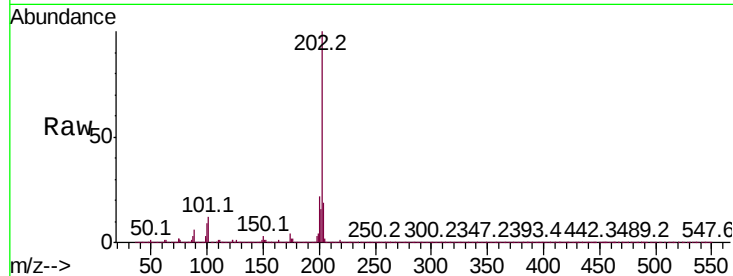




#77
 Fluoranthene
 Concen: 41.611 ng/ul
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

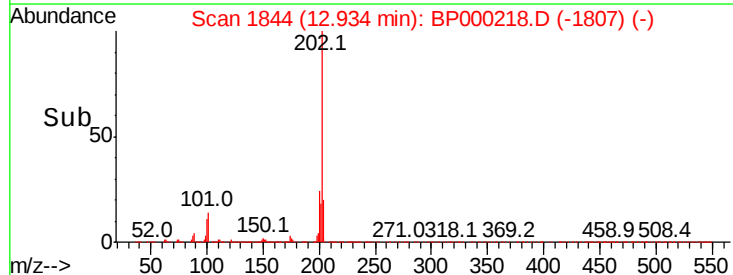
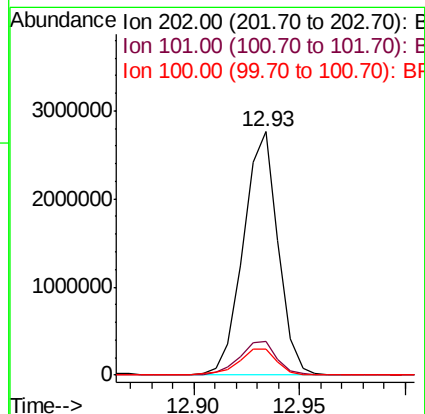
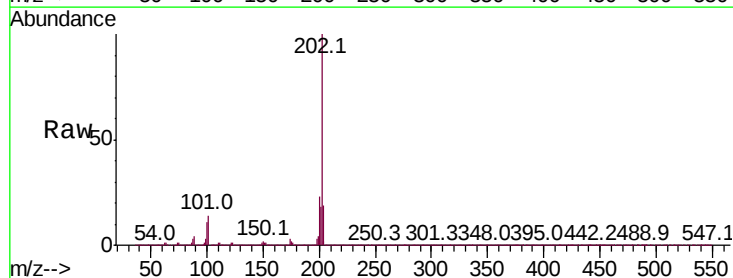
Instrument :
 BNA_P
 ClientSampleId :

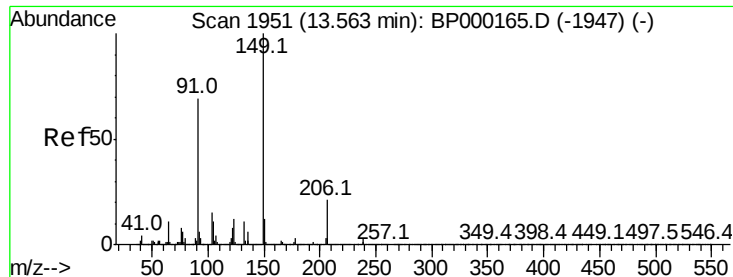
Tot Ion:202 Resp: 3620973
 Ion Ratio Lower Upper
 202 100
 101 12.1 10.0 15.0
 100 9.2 7.4 11.2



#80
 Pyrene
 Concen: 37.617 ng/ul
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

Tgt Ion:202 Resp: 3139502
 Ion Ratio Lower Upper
 202 100
 101 13.9 13.4 20.0
 100 10.9 10.8 16.2

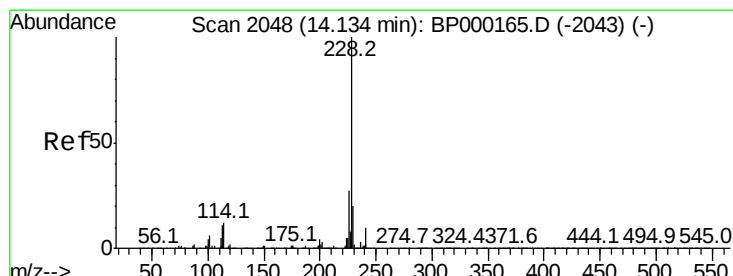
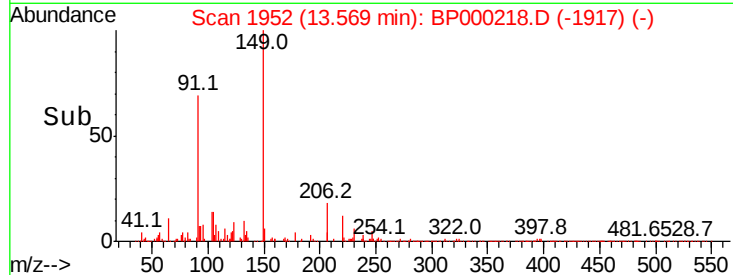
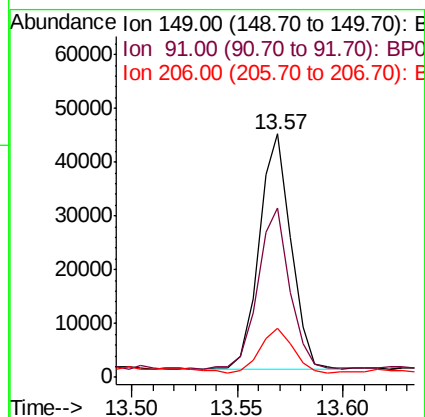
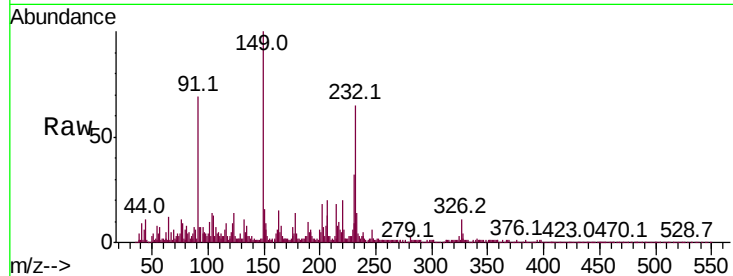




#81
 Butylbenzylphthalate
 Concen: 1.405 ng/ul
 RT: 13.57 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

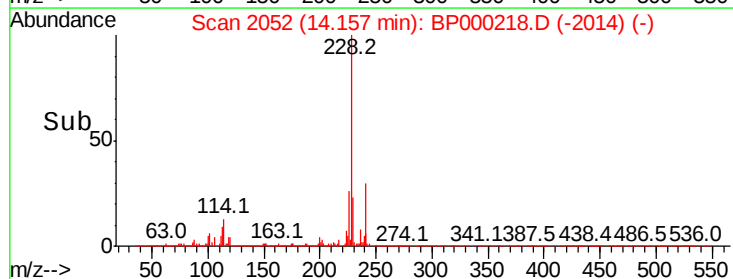
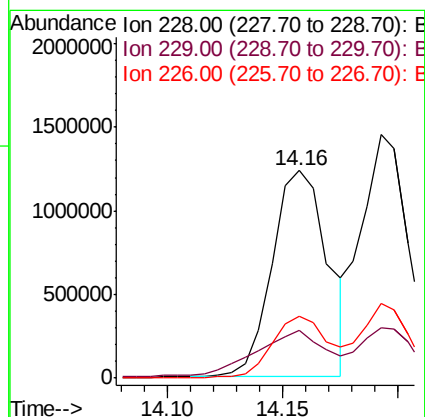
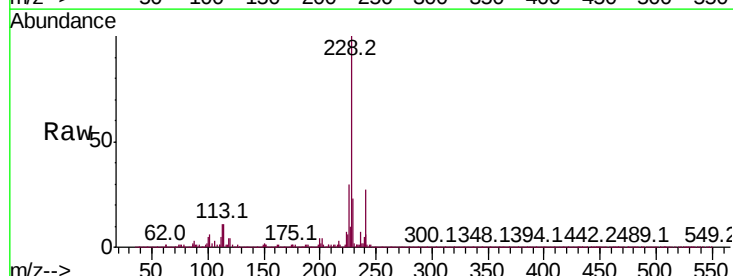
Instrument :
 BNA_P
 ClientSampleId :

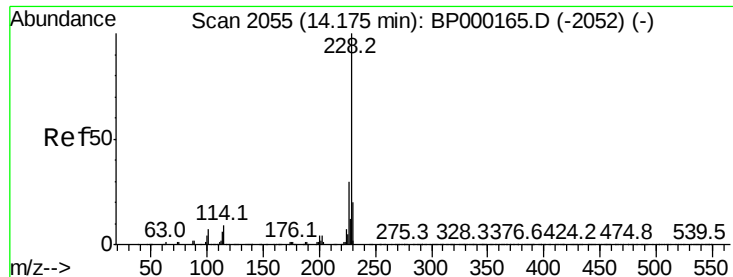
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.3	55.0	82.4
206	20.2	16.6	24.8



#83
 Benzo(a)anthracene
 Concen: 25.586 ng/ul
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.02 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.9	23.9
226	29.6	22.1	33.1



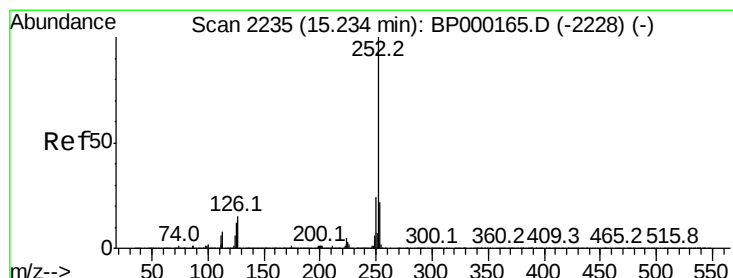
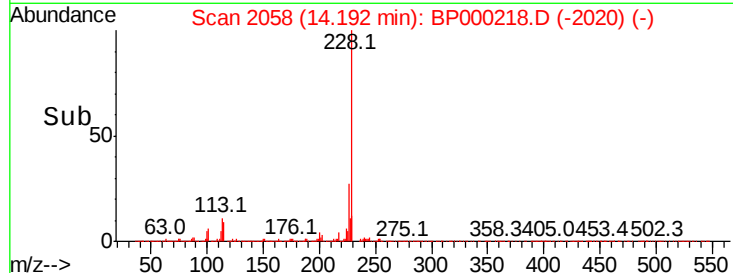
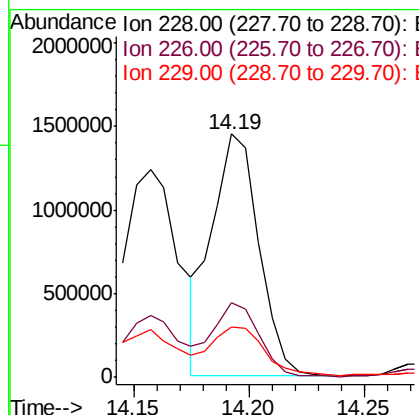
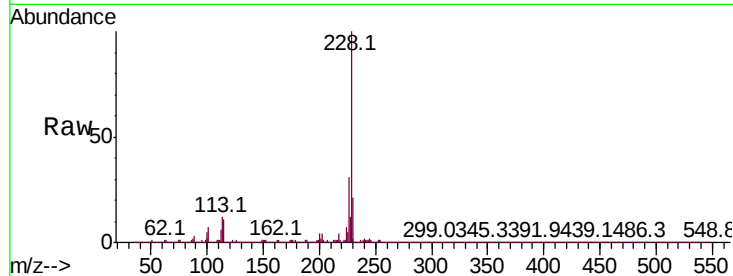


#85
 Chrysene
 Concen: 27.874 ng/ul
 RT: 14.19 min Scan# 2058
 Delta R.T. 0.02 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:228 Resp: 2048179

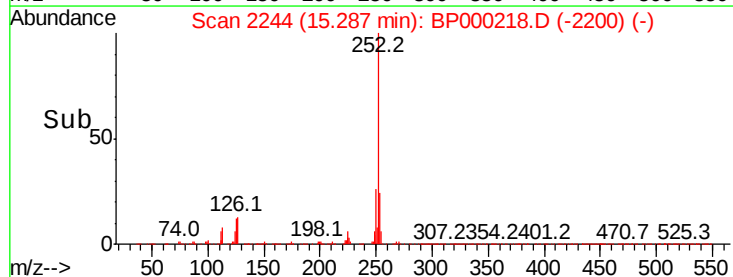
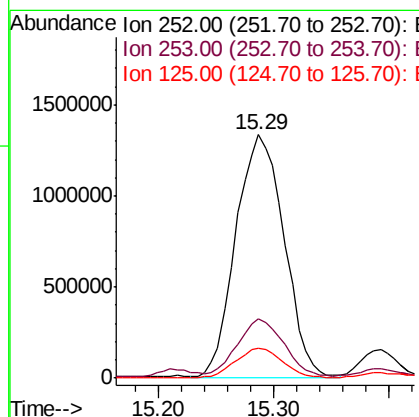
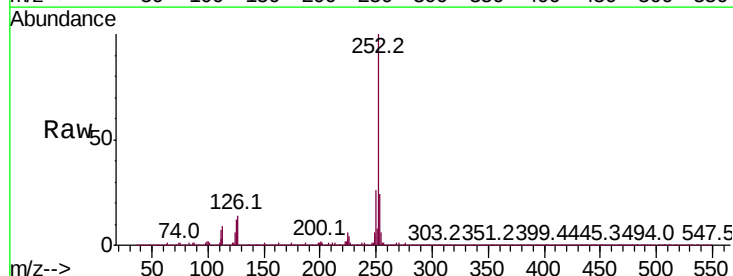
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.8	16.0	24.0

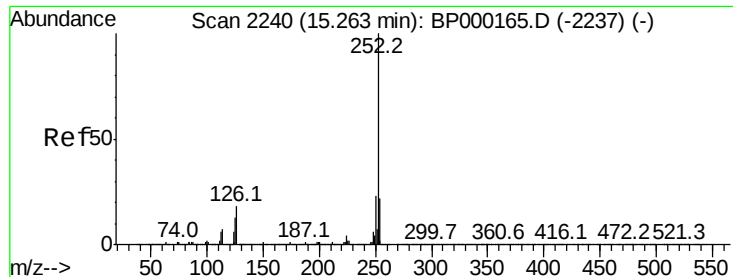


#88
 Benzo(b)fluoranthene
 Concen: 50.272 ng/ul
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.06 min
 Lab File: BP000218.D
 Acq: 12 Sep 2019 15:15

Tgt Ion:252 Resp: 3856603

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	12.0	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 53.372 ng/ul

RT: 15.29 min Scan# 2244

Delta R.T. 0.03 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

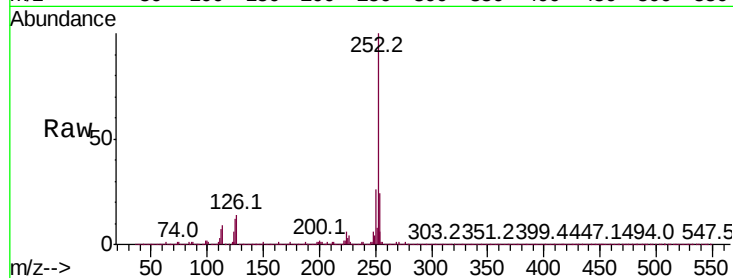
Instrument :

BNA_P

ClientSampleId :

Tot Ion:252 Resp: 3859584

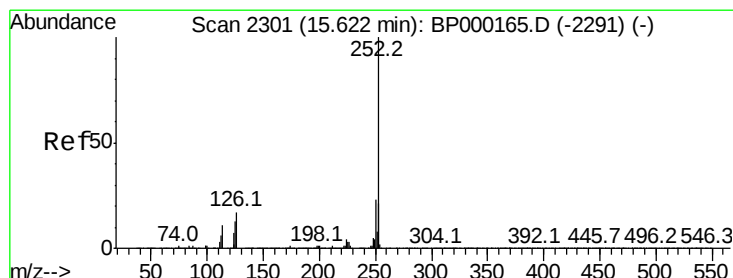
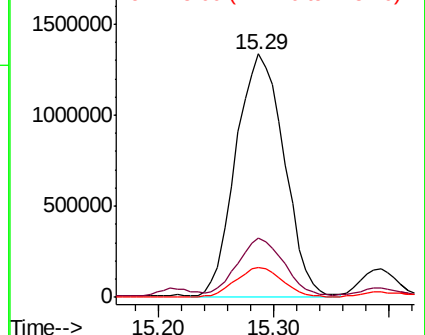
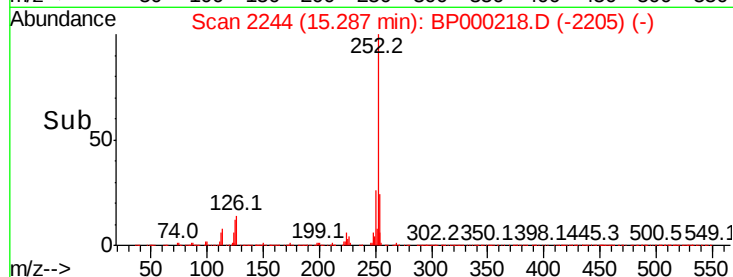
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	12.0	10.2	15.2



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: 24.093 ng/ul

RT: 15.67 min Scan# 2310

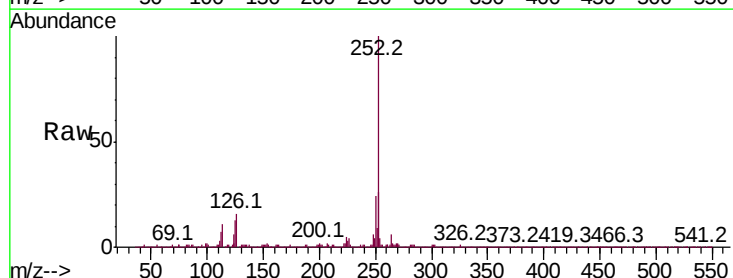
Delta R.T. 0.06 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Tgt Ion:252 Resp: 1734176

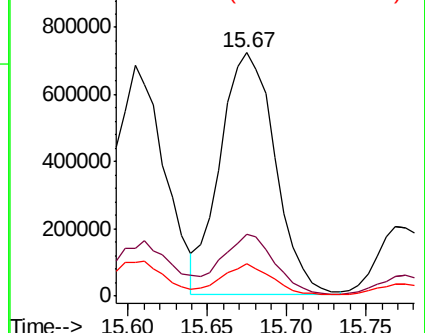
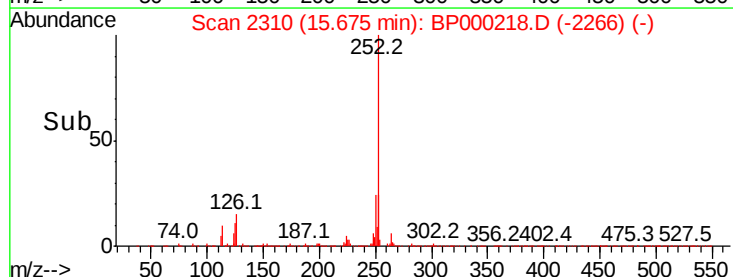
Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	13.1	10.2	15.2

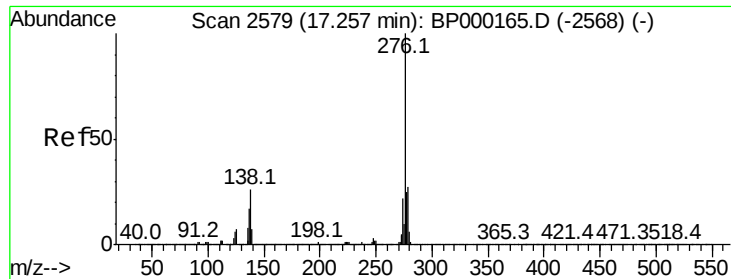


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



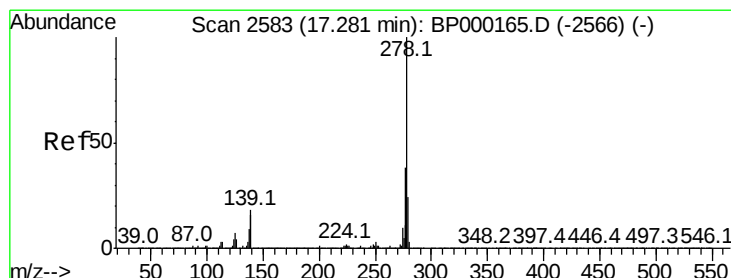
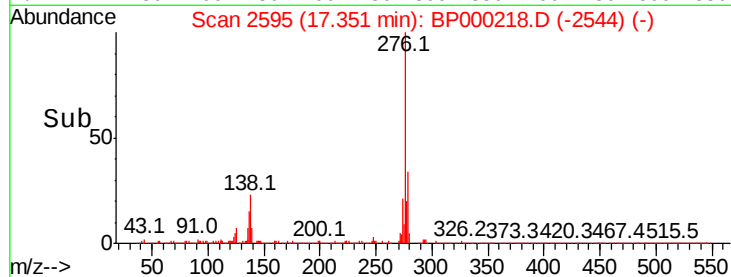
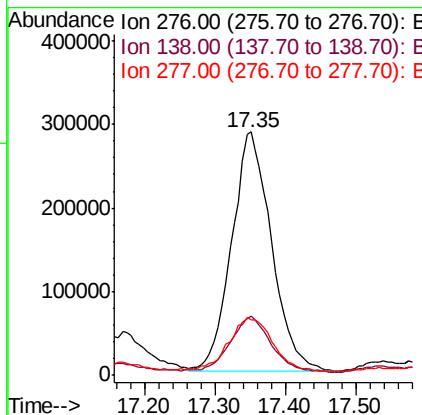
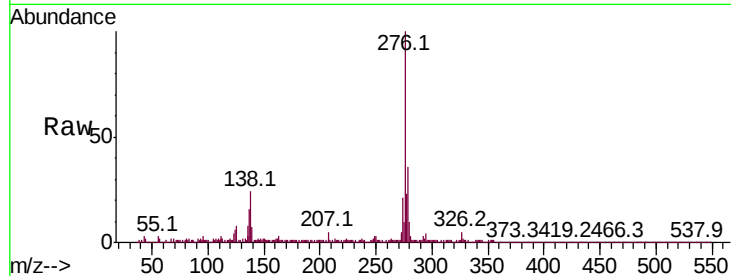


#92

Indeno(1,2,3-cd)pyrene
Concen: 13.591 ng/ul
RT: 17.35 min Scan# 2595
Delta R.T. 0.10 min
Lab File: BP000218.D
Acq: 12 Sep 2019 15:15

Instrument :
BNA_P
ClientSampleId :

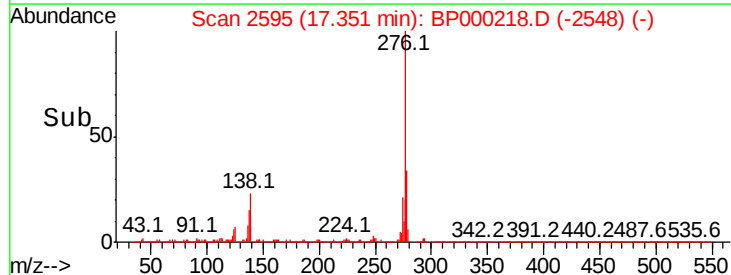
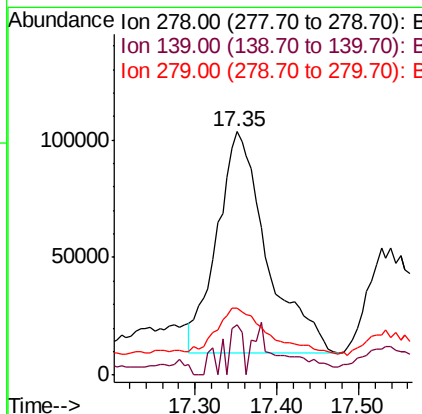
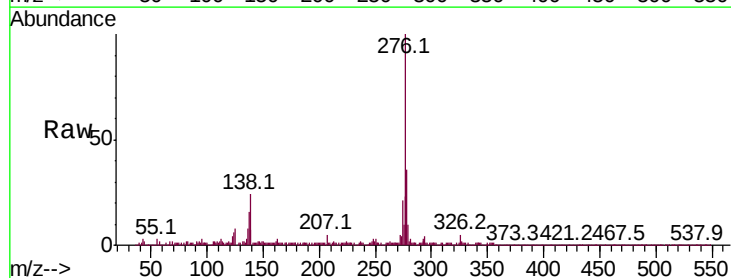
Tot Ion:276 Resp: 1125403
Ion Ratio Lower Upper
276 100
138 24.4 20.0 30.0
277 22.9 19.4 29.0

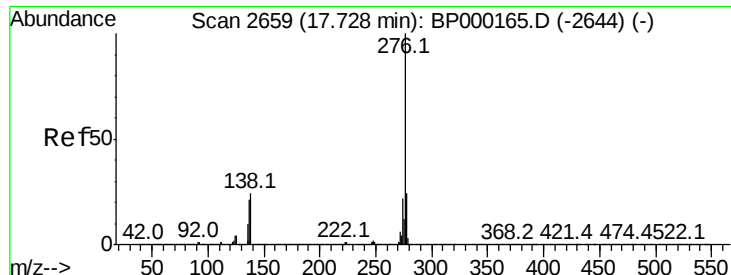


#93

Dibenzo(a,h)anthracene
Concen: 5.848 ng/ul
RT: 17.35 min Scan# 2595
Delta R.T. 0.08 min
Lab File: BP000218.D
Acq: 12 Sep 2019 15:15

Tgt Ion:278 Resp: 401111
Ion Ratio Lower Upper
278 100
139 20.5 15.1 22.7
279 27.7 19.2 28.8





#94

Benzo(a,h,i)perylene

Concen: 14.138 ng/ul

RT: 17.83 min Scan# 2677

Delta R.T. 0.11 min

Lab File: BP000218.D

Acq: 12 Sep 2019 15:15

Instrument :

BNA_P

ClientSampleId :

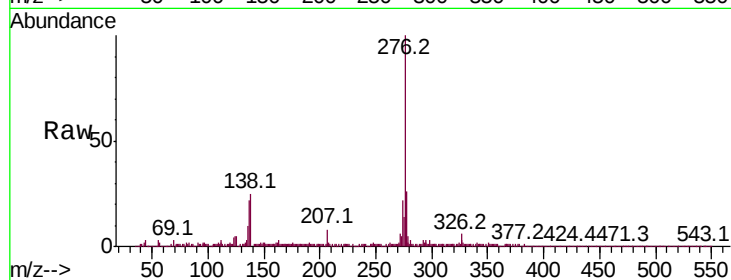
Tot Ion:276 Resp: 976130

Ion Ratio Lower Upper

276 100

138 25.1 20.0 30.0

277 25.7 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

