

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000228.D
 Acq On : 12 Sep 2019 20:58
 Operator : HP/JU
 Sample : K4634-12DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:51:55 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	240107	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	922418	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	498056	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	919506	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	700850	20.00	ng/ul	0.03
86) Perylene-d12	15.76	264	677705	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.59	96	40	0.01	ng/uL	-0.01
5) Phenol-d5	6.52	99	42469	2.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	22897	2.14	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	35660	2.16	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	31460	2.05	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	15298	2.18	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	15652	2.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	29104	2.01	ng/ul	0.00
29) 4-Chloroaniline-d4	8.24	131	11105	0.62	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	89307	2.43	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	109540	2.41	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	8403	1.28	ng/ul	0.00
58) Fluorene-d10	10.47	176	75060	2.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	3555	0.84	ng/ul	0.02
71) Anthracene-d10	11.52	188	115800	2.60	ng/ul	0.00
79) Pyrene-d10	12.92	212	103861	2.49	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.65	264	73215	2.08	ng/ul	0.06

Target Compounds

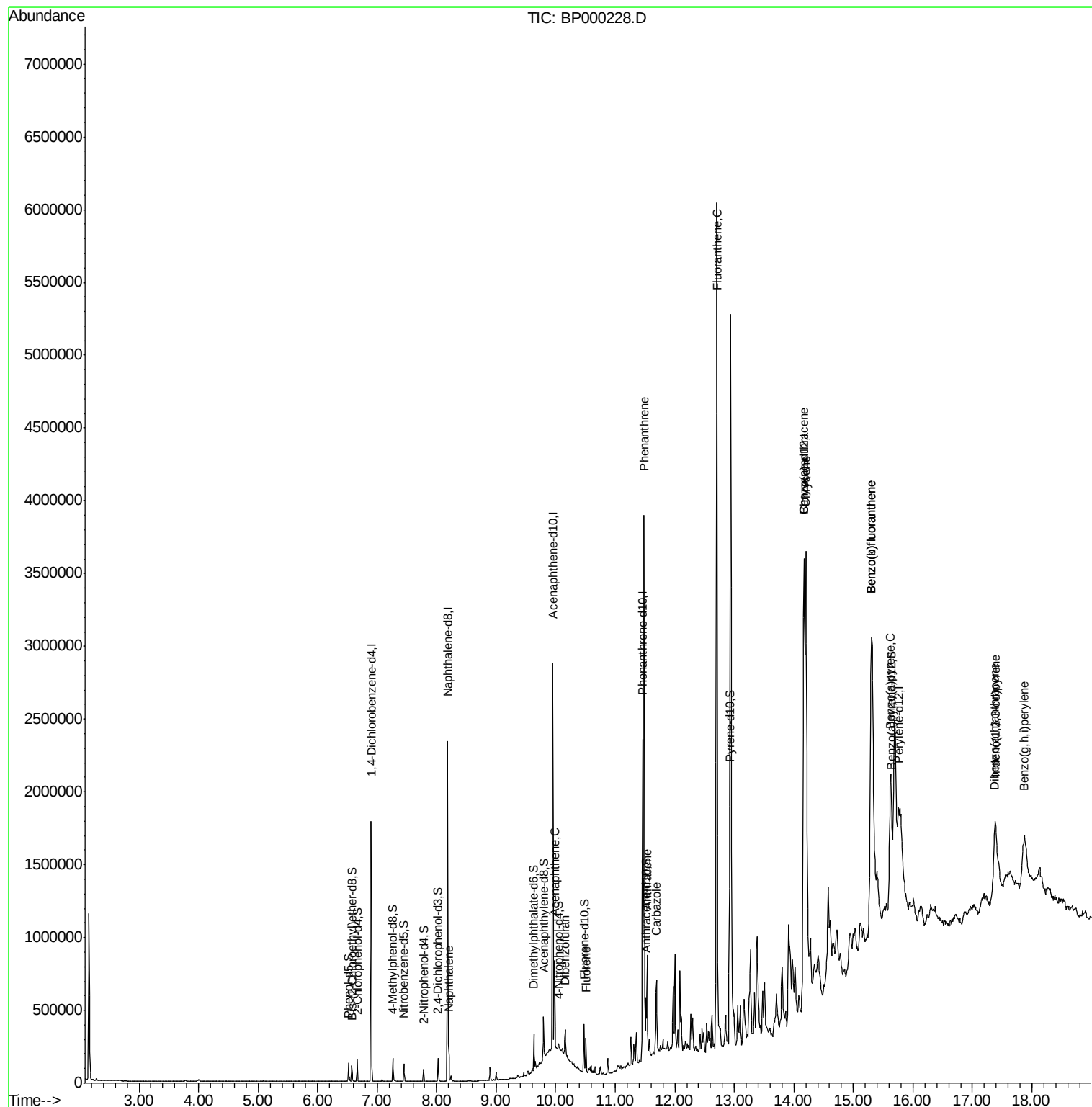
					Ovalue
28) Naphthalene	8.20	128	62298	1.240	ng/ul 99
50) Acenaphthene	9.98	153	152903	4.647	ng/ul 96
54) Dibenzofuran	10.16	168	59767	1.324	ng/ul 99
59) Fluorene	10.50	166	61444	1.760	ng/ul 97
70) Phenanthrene	11.49	178	1531493	28.164	ng/ul 99
72) Anthracene	11.53	178	289200	5.405	ng/ul 98
75) Carbazole	11.69	167	239953	5.245	ng/ul 100
77) Fluoranthene	12.70	202	3032875	55.298	ng/ul 97
83) Benzo(a)anthracene	14.16	228	1754344	34.580	ng/ul 98
85) Chrysene	14.20	228	1977013	42.467	ng/ul 98
88) Benzo(b)fluoranthene	15.30	252	1406519	31.314	ng/ul 95
89) Benzo(k)fluoranthene	15.30	252	1406519	33.219	ng/ul 96
91) Benzo(a)pyrene	15.63	252	1042082	24.727	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	17.39	276	850381	17.540	ng/ul 99
93) Dibenzo(a,h)anthracene	17.37	278	73257	1.824	ng/ul# 89
94) Benzo(g,h,i)perylene	17.87	276	742052	18.357	ng/ul 94

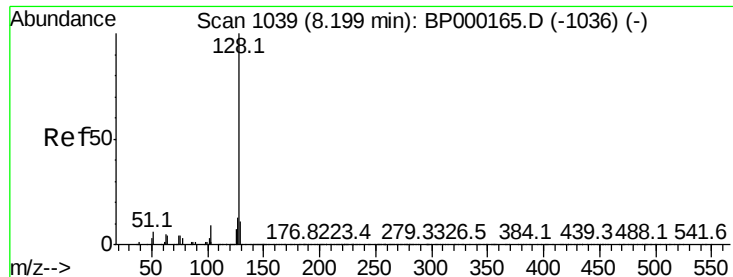
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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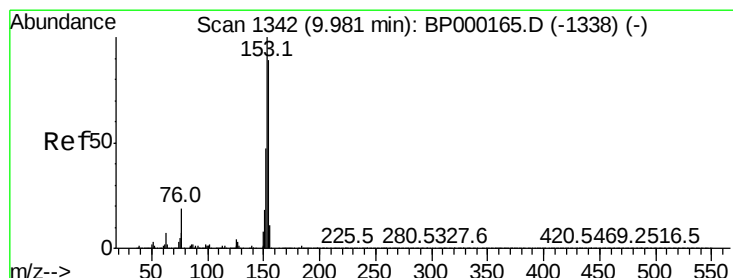
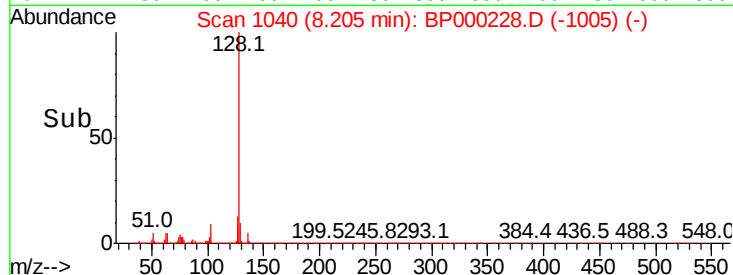
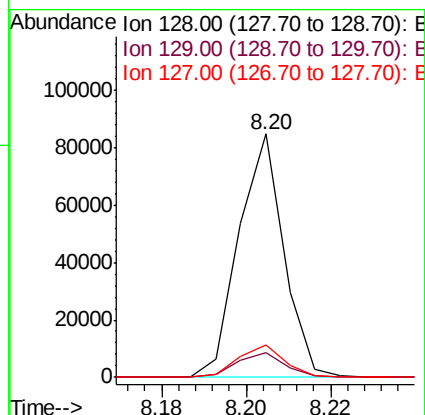
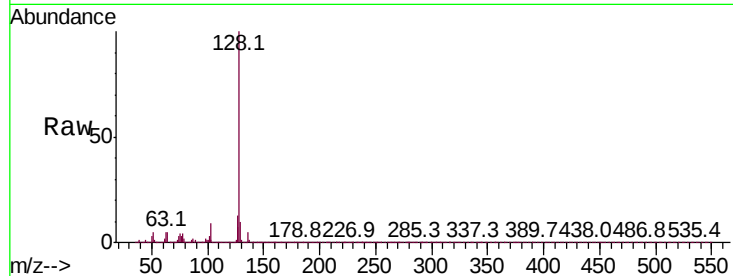




#28
Naphthalene
Concen: 1.240 ng/ul
RT: 8.20 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

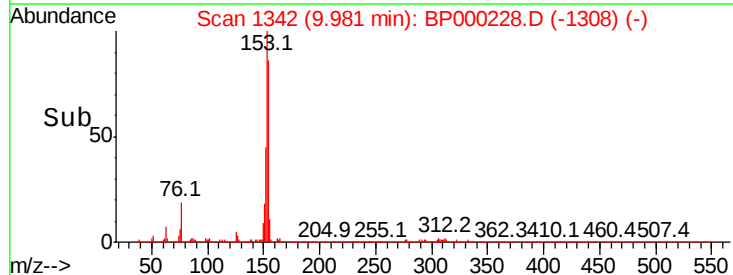
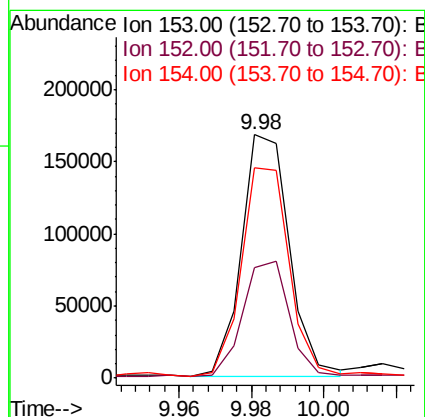
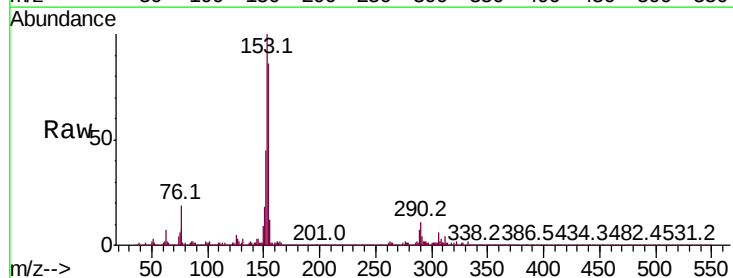
Instrument :
BNA_P
ClientSampleId :

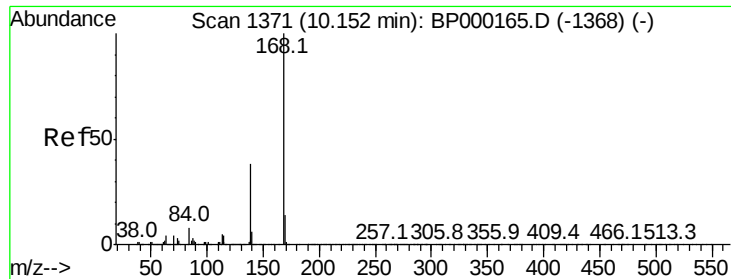
Tot Ion:128 Resp: 62298
Ion Ratio Lower Upper
128 100
129 10.4 9.1 13.7
127 13.2 10.7 16.1



#50
Acenaphthene
Concen: 4.647 ng/ul
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion:153 Resp: 152903
Ion Ratio Lower Upper
153 100
152 45.3 38.0 57.0
154 86.4 72.6 108.8





#54

Dibenzenofuran

Concen: 1.324 ng/ul

RT: 10.16 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

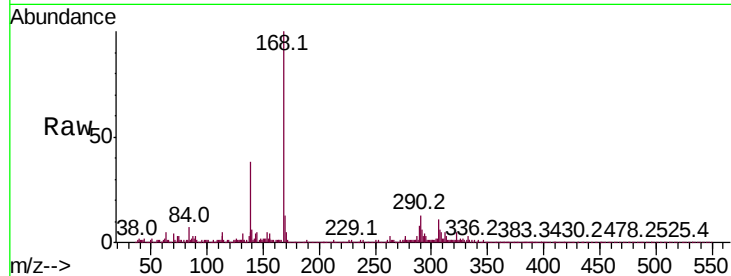
ClientSampleId :

Tot Ion:168 Resp: 59767

Ion Ratio Lower Upper

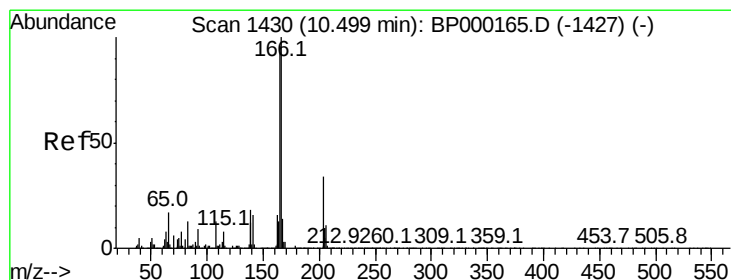
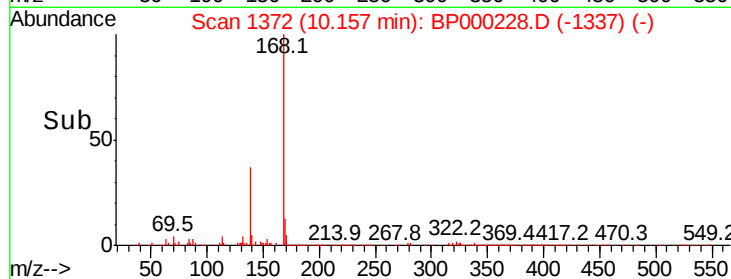
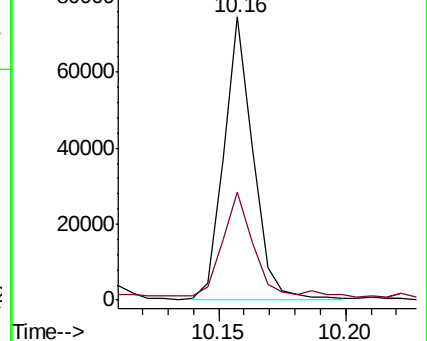
168 100

139 38.1 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: 1.760 ng/ul

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

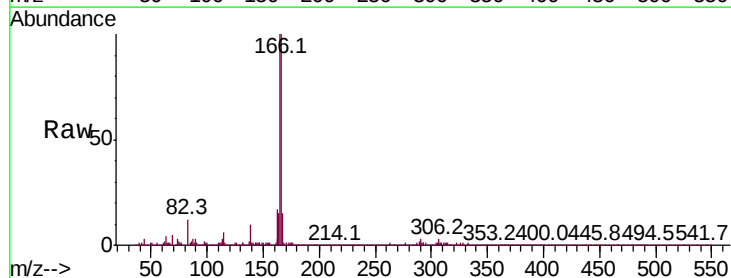
Tgt Ion:166 Resp: 61444

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.8

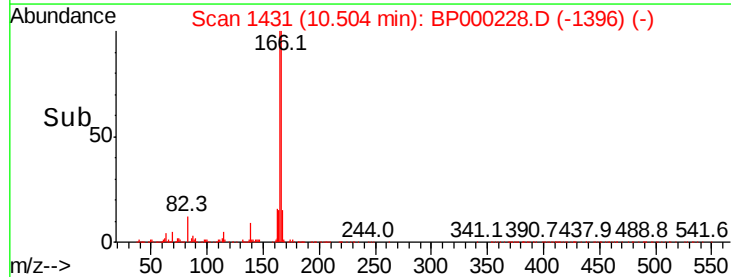
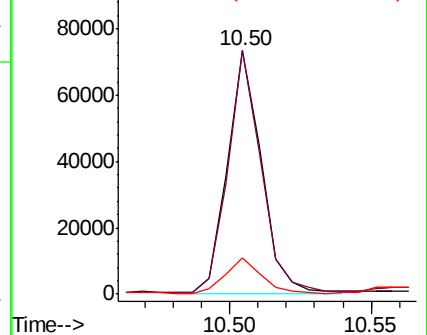
167 15.1 10.9 16.3

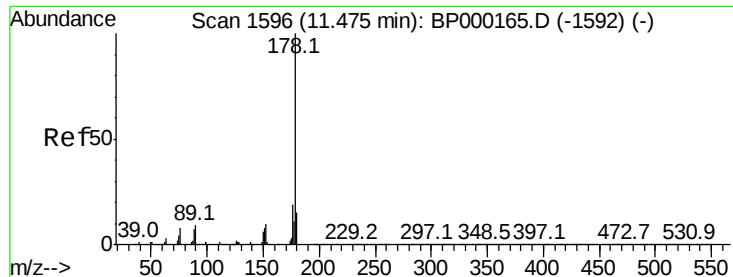


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 28.164 ng/ul

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

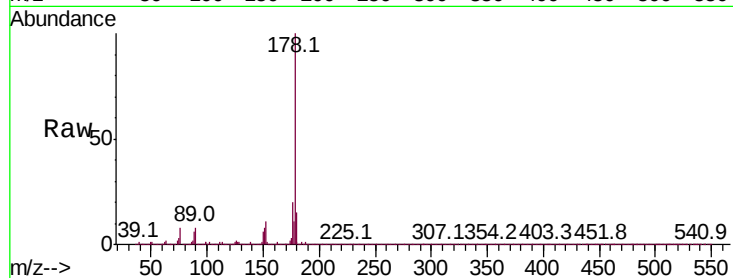
Tot Ion:178 Resp: 1531493

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

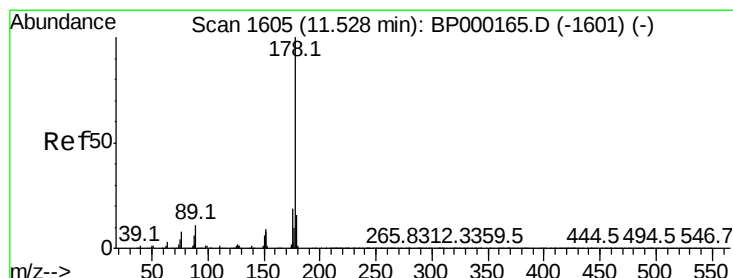
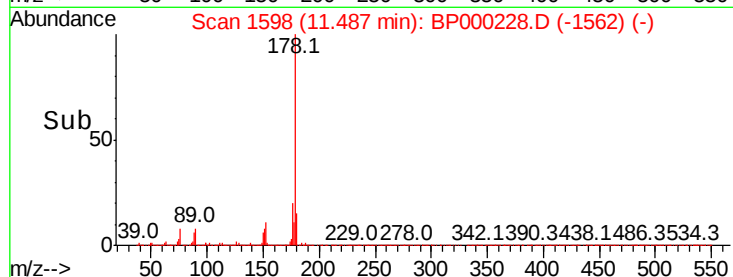
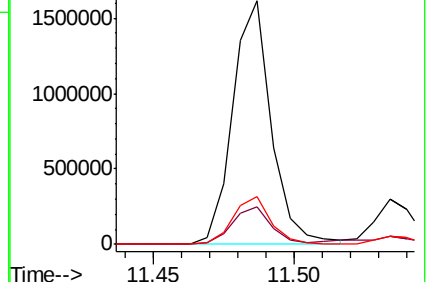
176 19.7 15.7 23.5



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: 5.405 ng/ul

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

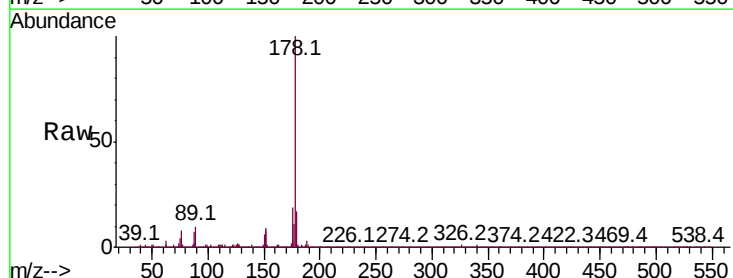
Tgt Ion:178 Resp: 289200

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

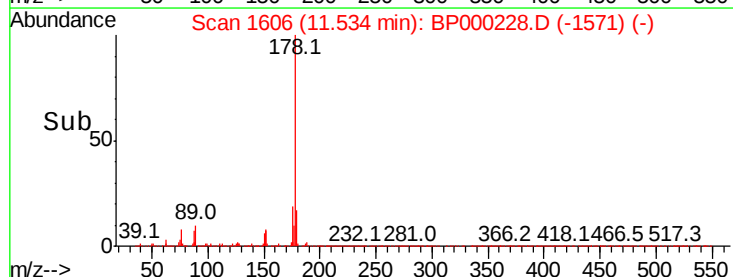
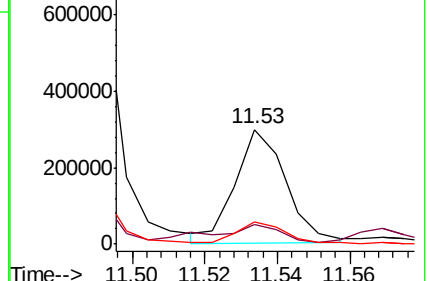
176 18.9 15.1 22.7

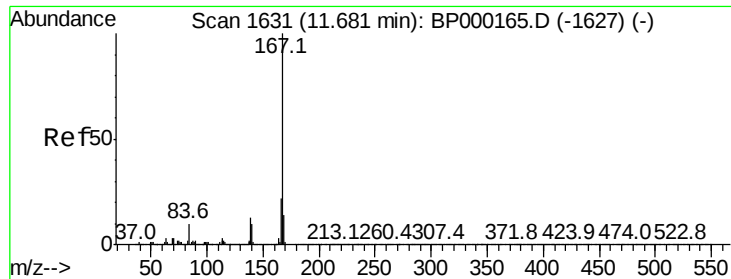


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.245 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

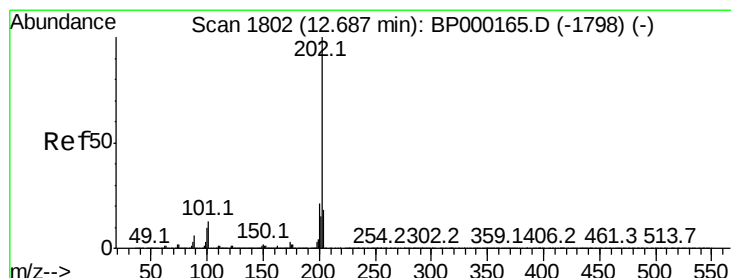
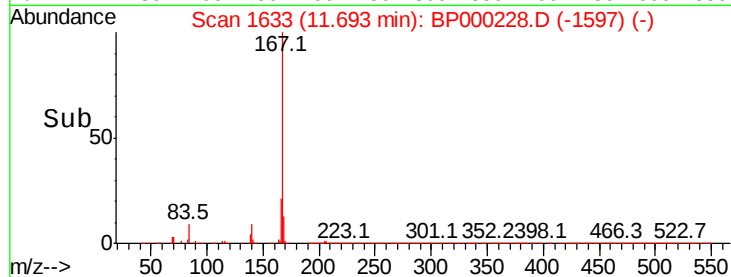
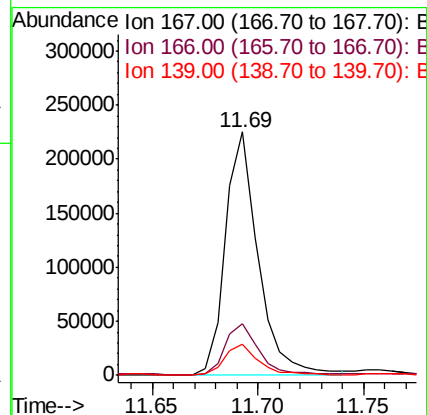
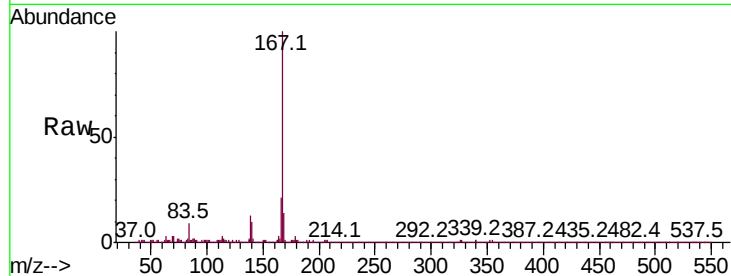
Tot Ion:167 Resp: 239953

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 13.0 10.6 15.8



#77

Fluoranthene

Concen: 55.298 ng/ul

RT: 12.70 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

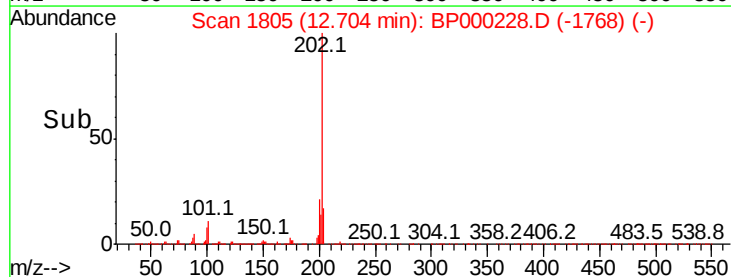
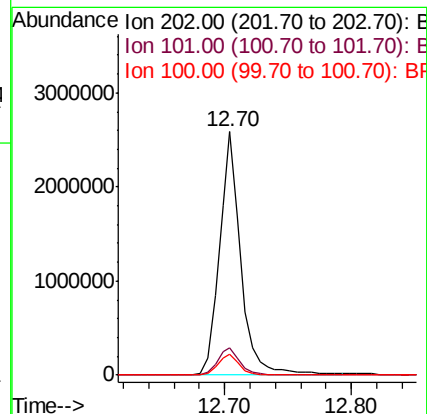
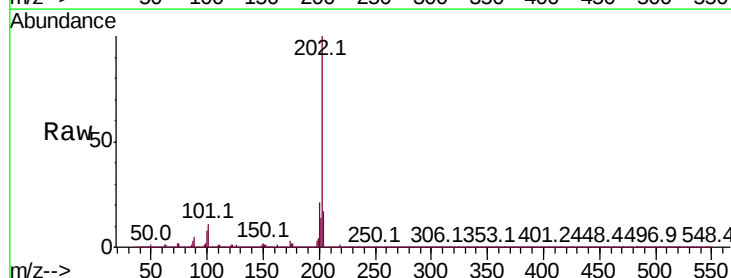
Tgt Ion:202 Resp: 3032875

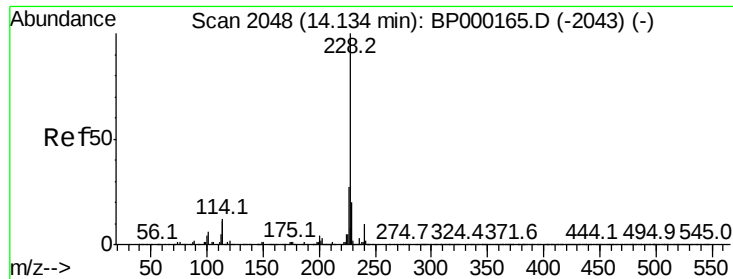
Ion Ratio Lower Upper

202 100

101 11.2 10.0 15.0

100 8.4 7.4 11.2





#83

Benzo(a)anthracene

Concen: 34.580 ng/ul

RT: 14.16 min Scan# 2053

Delta R.T. 0.03 min

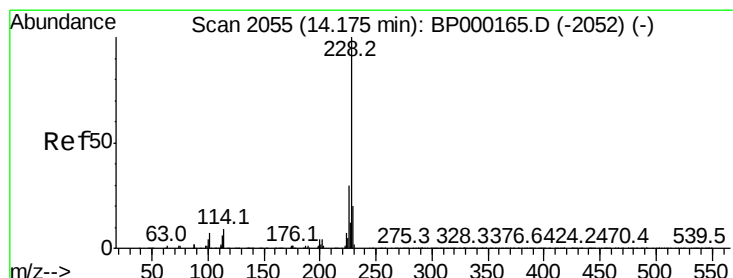
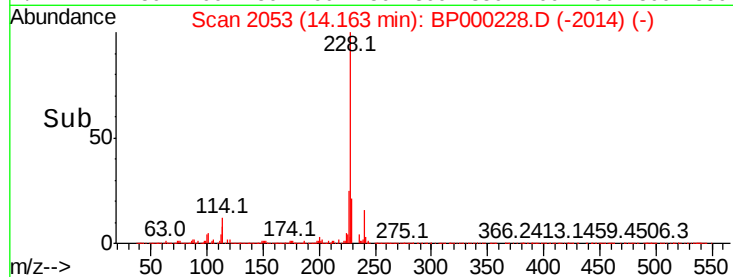
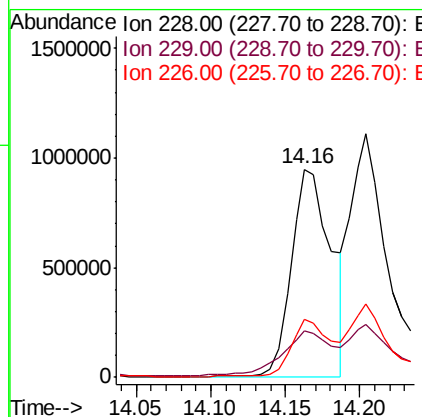
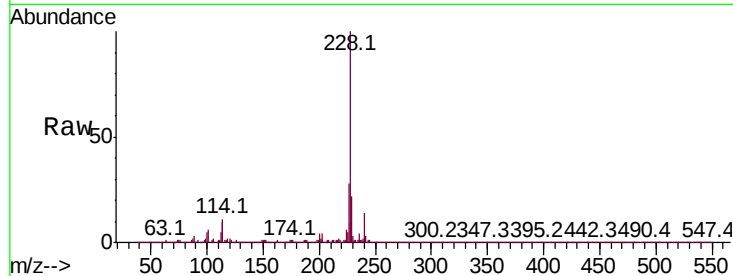
Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampled :

Tot Ion:228 Resp: 1754344

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.9	23.9
226	27.8	22.1	33.1



#85

Chrysene

Concen: 42.467 ng/ul

RT: 14.20 min Scan# 2060

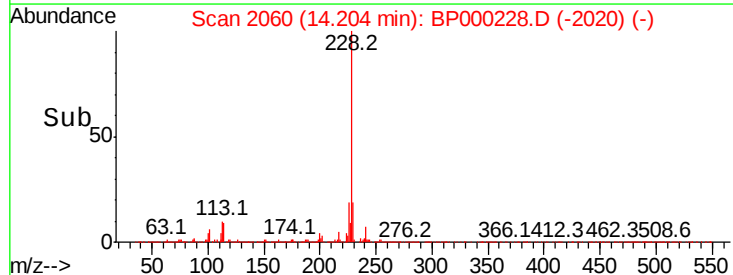
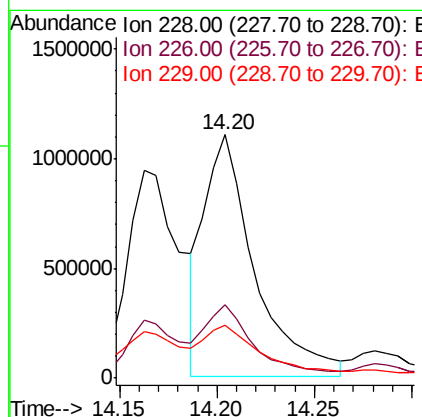
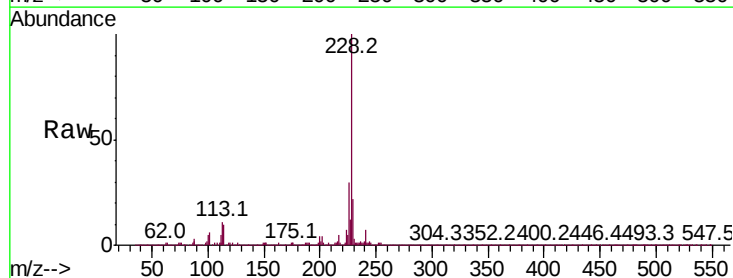
Delta R.T. 0.04 min

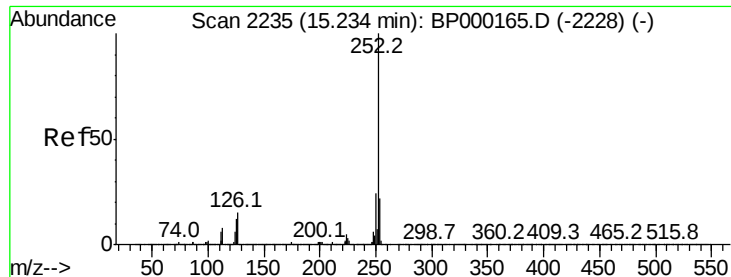
Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Tgt Ion:228 Resp: 1977013

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	21.9	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 31.314 ng/ul

RT: 15.30 min Scan# 2246

Delta R.T. 0.07 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

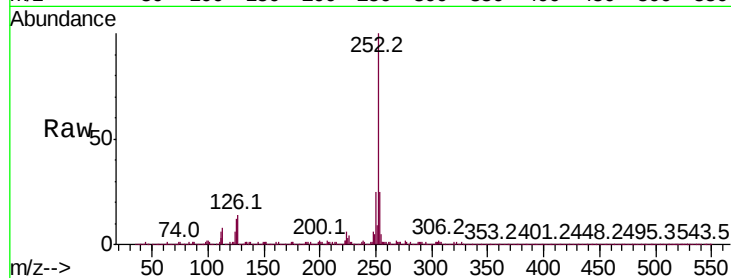
Tot Ion:252 Resp: 1406519

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

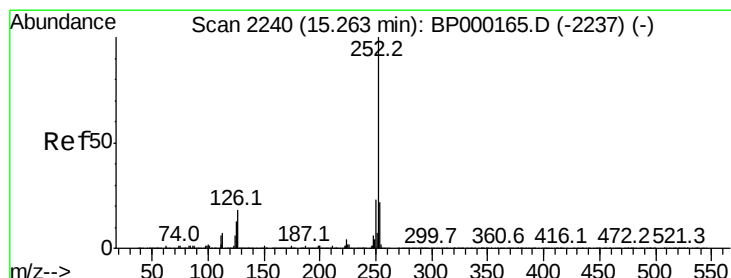
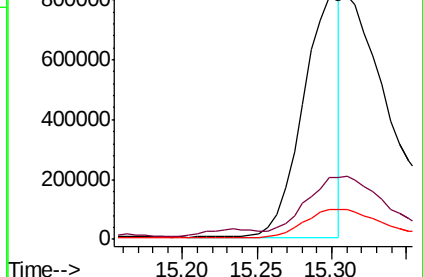
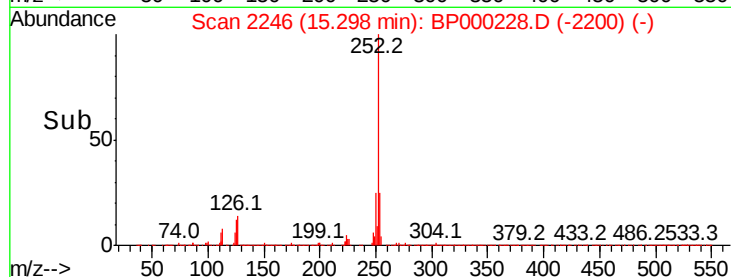
125 12.2 9.9 14.9



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



#89

Benzo(k)fluoranthene

Concen: 33.219 ng/ul

RT: 15.30 min Scan# 2246

Delta R.T. 0.04 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

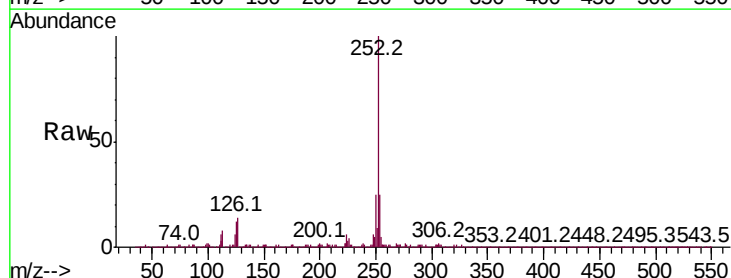
Tgt Ion:252 Resp: 1406519

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

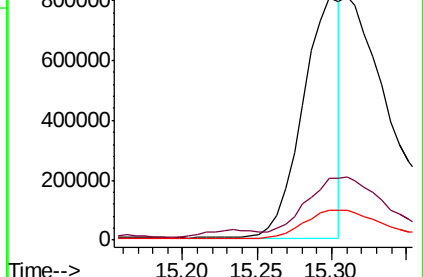
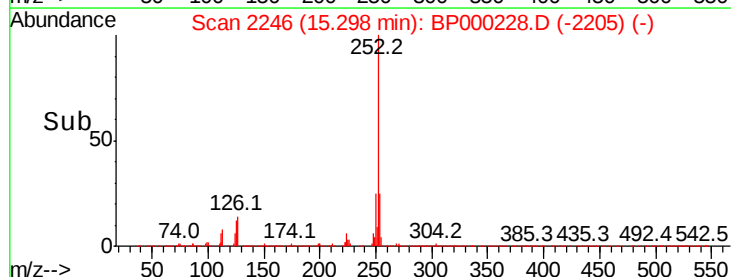
125 12.2 10.2 15.2

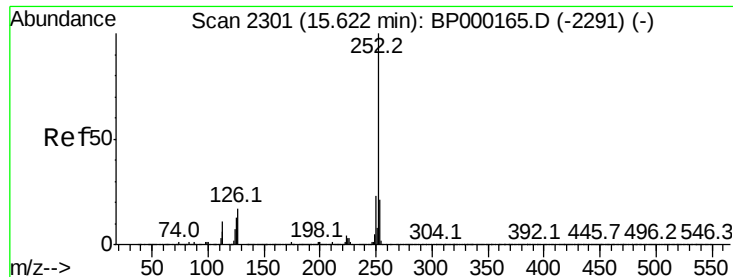


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 24.727 ng/ul

RT: 15.63 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

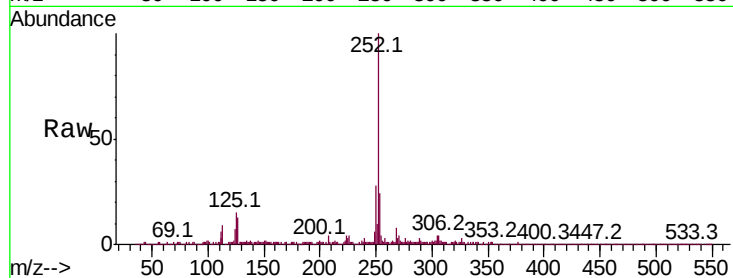
Tot Ion:252 Resp: 1042082

Ion Ratio Lower Upper

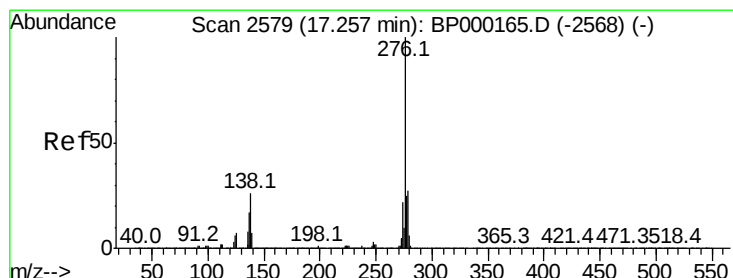
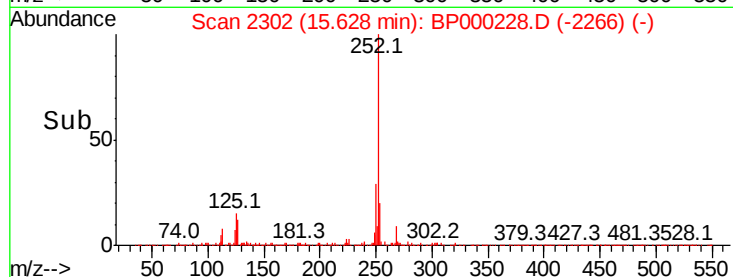
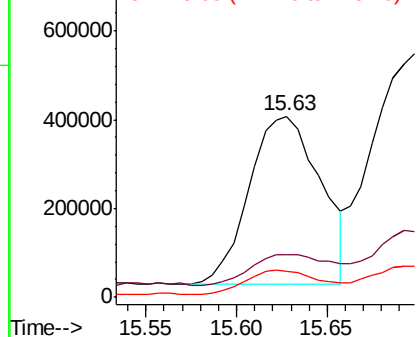
252 100

253 23.5 17.5 26.3

125 14.6 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: 17.540 ng/ul

RT: 17.39 min Scan# 2601

Delta R.T. 0.14 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

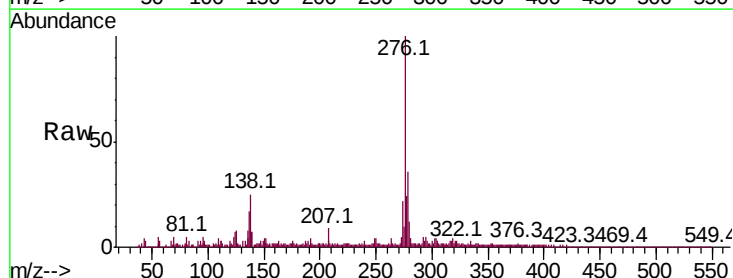
Tgt Ion:276 Resp: 850381

Ion Ratio Lower Upper

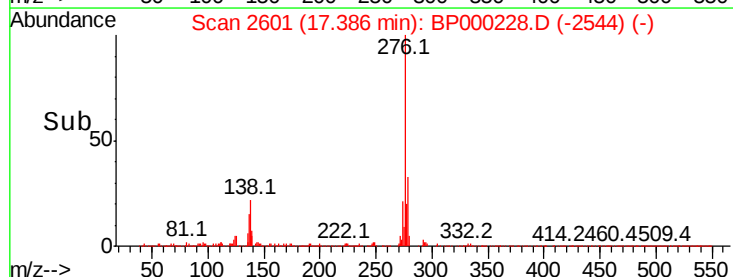
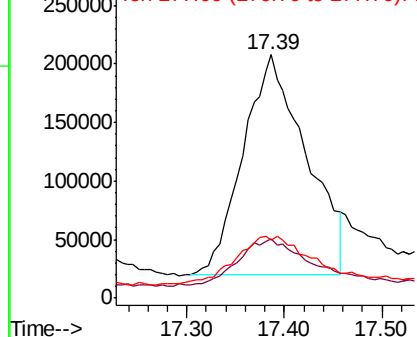
276 100

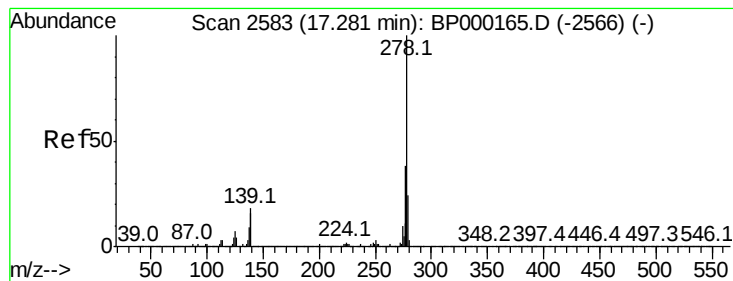
138 24.6 20.0 30.0

277 23.7 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: 1.824 ng/ul

RT: 17.37 min Scan# 2598

Delta R.T. 0.09 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

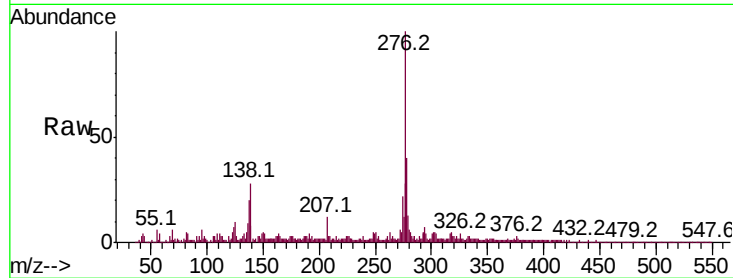
Tot Ion:278 Resp: 73257

Ion Ratio Lower Upper

278 100

139 19.4 15.1 22.7

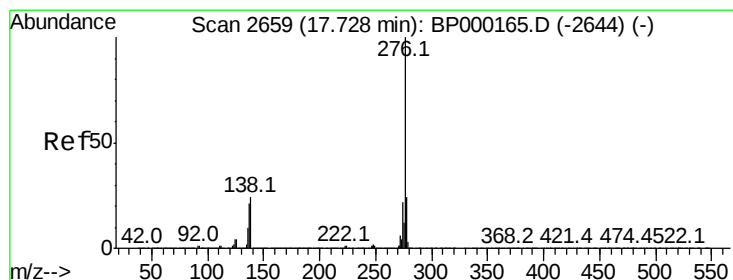
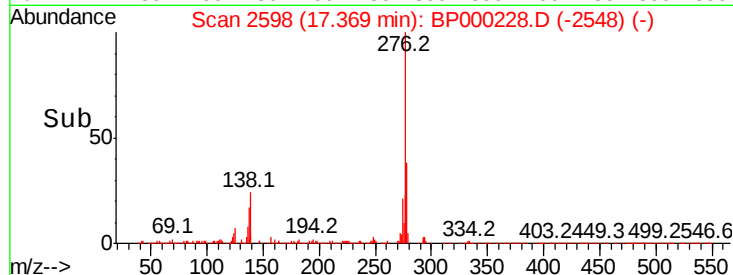
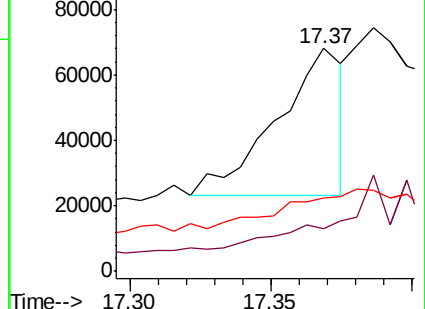
279 32.9 19.2 28.8#



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: 18.357 ng/ul

RT: 17.87 min Scan# 2683

Delta R.T. 0.15 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

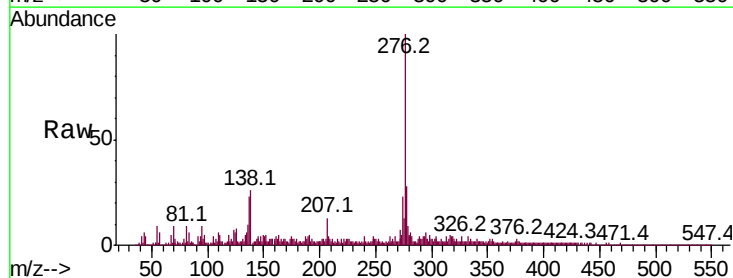
Tgt Ion:276 Resp: 742052

Ion Ratio Lower Upper

276 100

138 26.2 20.0 30.0

277 28.3 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

