

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000227.D
 Acq On : 12 Sep 2019 20:34
 Operator : HP/JU
 Sample : K4633-12 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:51:38 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	246997	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	950858	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	528158	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	891650	20.00	ng/ul	0.00
78) Chrysene-d12	14.18	240	645869	20.00	ng/ul	0.04
86) Perylene-d12	15.77	264	673211	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.59	96	68	0.01	ng/uL	-0.01
5) Phenol-d5	6.52	99	49480	2.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	29239	2.66	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	43164	2.54	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	29956	1.90	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	19827	2.75	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	20512	2.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	37074	2.49	ng/ul	0.00
29) 4-Chloroaniline-d4	8.24	131	18765	1.02	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	114779	2.94	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	139196	2.89	ng/ul	0.00
52) 4-Nitrophenol-d4	10.05	143	6945	1.00	ng/ul	0.01
58) Fluorene-d10	10.47	176	94732	2.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	4513	1.10	ng/ul	0.02
71) Anthracene-d10	11.52	188	133560	3.09	ng/ul	0.00
79) Pyrene-d10	12.92	212	122525	3.19	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.67	264	91292	2.62	ng/ul	0.08

Target Compounds

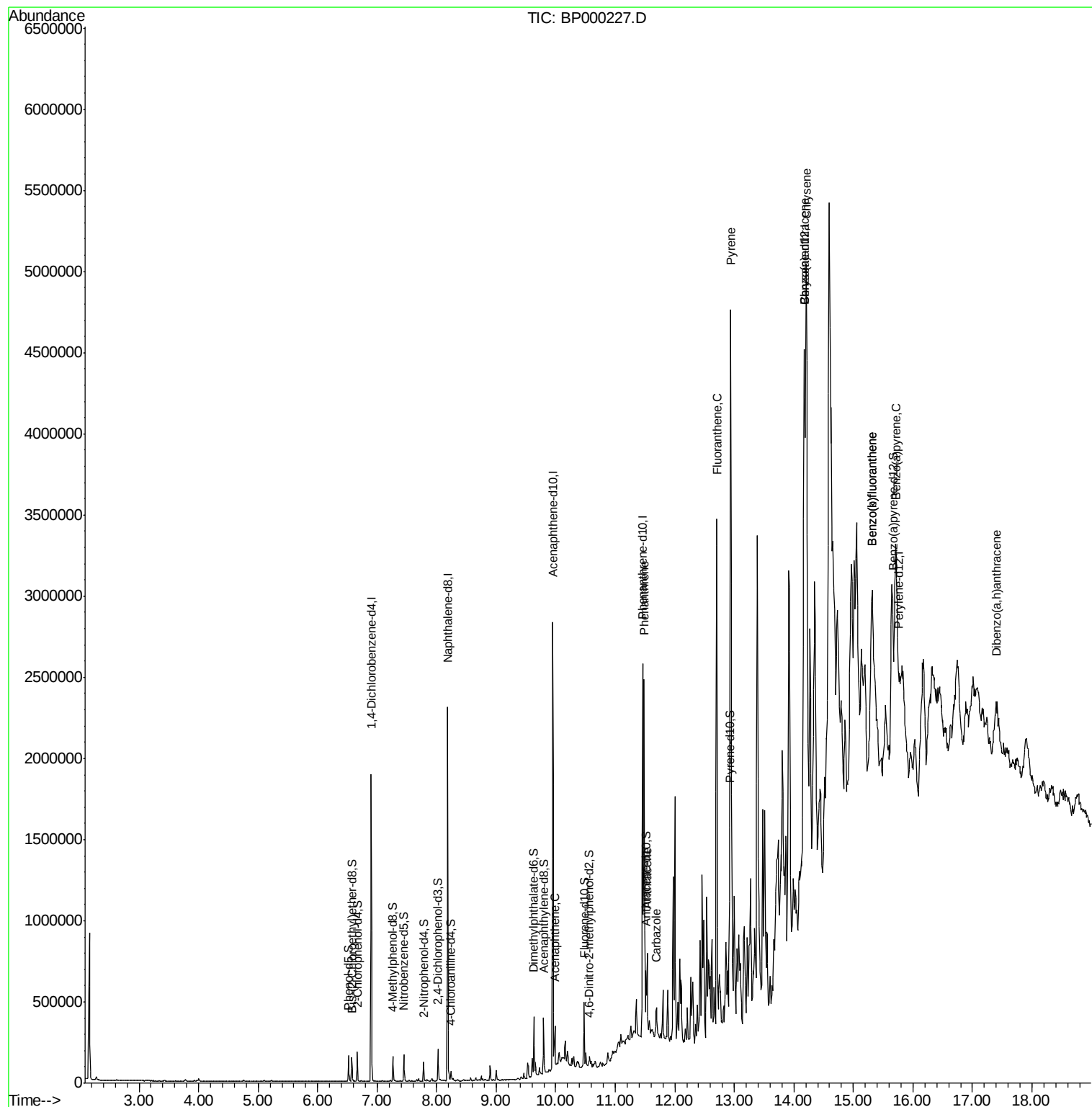
					Ovalue
50) Acenaphthene	9.99	153	60575	1.736	ng/ul 97
70) Phenanthrene	11.48	178	884186	16.768	ng/ul 98
72) Anthracene	11.53	178	194875	3.756	ng/ul 99
75) Carbazole	11.69	167	88569	1.996	ng/ul 99
77) Fluoranthene	12.70	202	1703270	32.026	ng/ul 97
80) Pyrene	12.94	202	2393369	49.117	ng/ul 93
83) Benzo(a)anthracene	14.17	228	1738317	37.181	ng/ul# 89
85) Chrysene	14.21	228	2489319	58.024	ng/ul# 89
88) Benzo(b)fluoranthene	15.32	252	1652112	37.027	ng/ul 98
89) Benzo(k)fluoranthene	15.32	252	1652112	39.280	ng/ul 98
91) Benzo(a)pyrene	15.71	252	1894398	45.252	ng/ul# 91
93) Dibenzo(a,h)anthracene	17.40	278	99582	2.496	ng/ul# 7

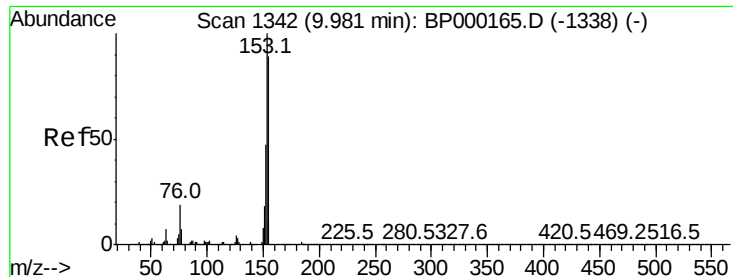
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#50

Acenaphthene

Concen: 1.736 ng/ul

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

Instrument :

BNA_P

ClientSampleId :

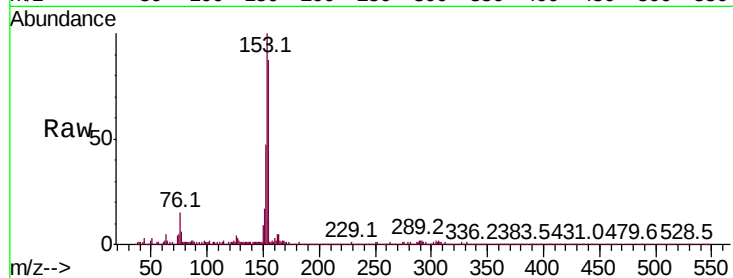
Tot Ion:153 Resp: 60575

Ion Ratio Lower Upper

153 100

152 46.7 38.0 57.0

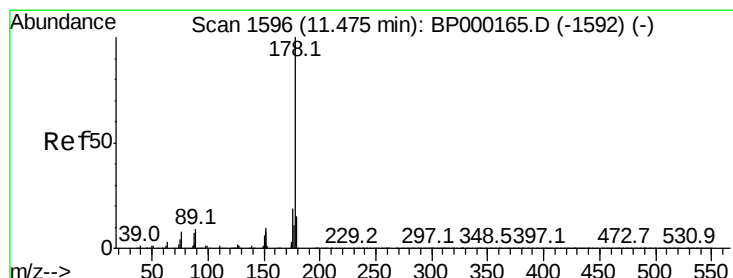
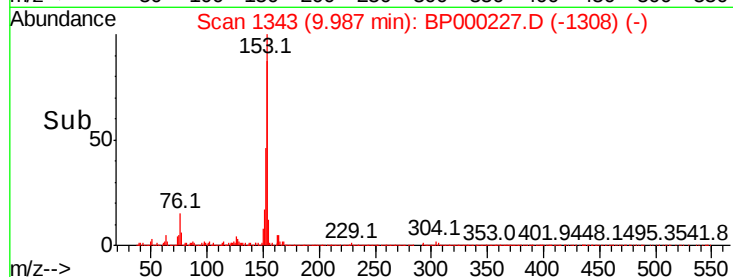
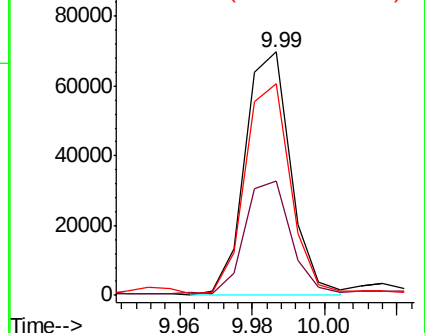
154 86.8 72.6 108.8



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



#70

Phenanthrene

Concen: 16.768 ng/ul

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

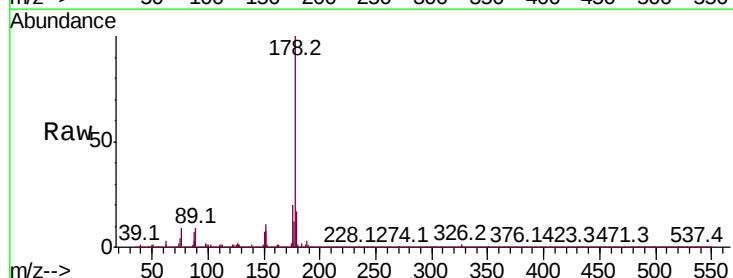
Tgt Ion:178 Resp: 884186

Ion Ratio Lower Upper

178 100

179 16.6 12.5 18.7

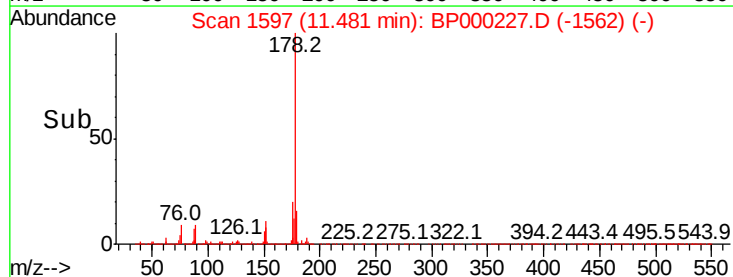
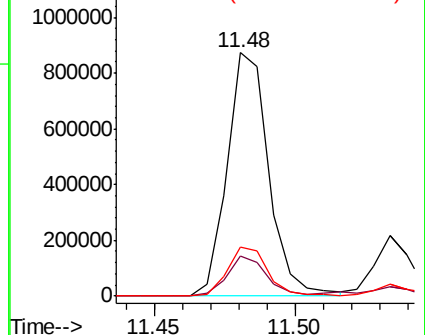
176 20.1 15.7 23.5

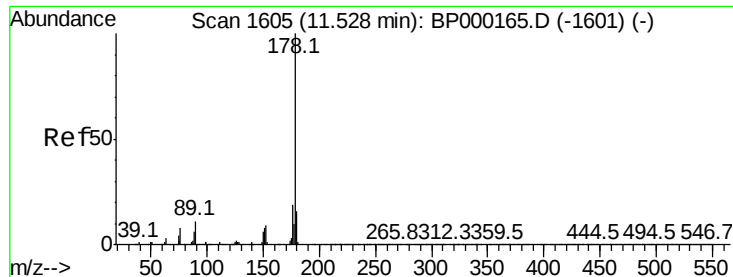


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.756 ng/ul

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

Instrument :

BNA_P

ClientSampleId :

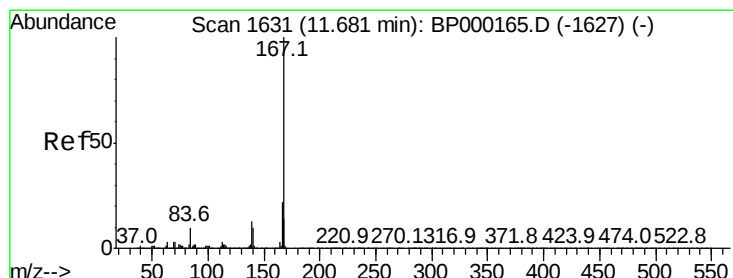
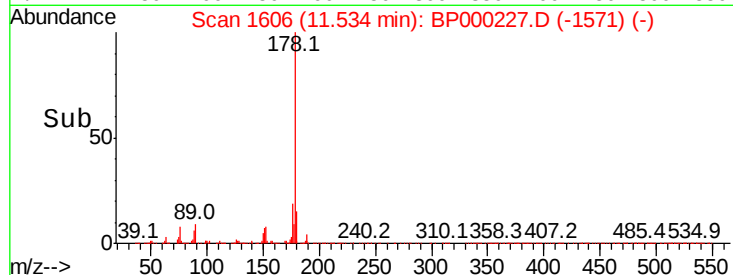
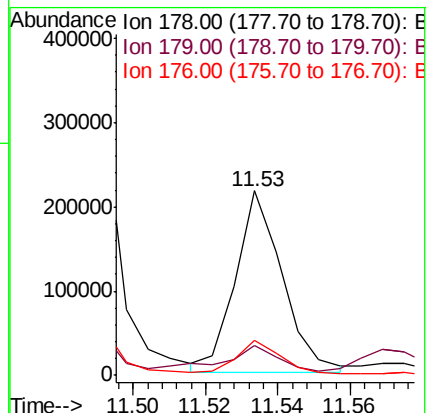
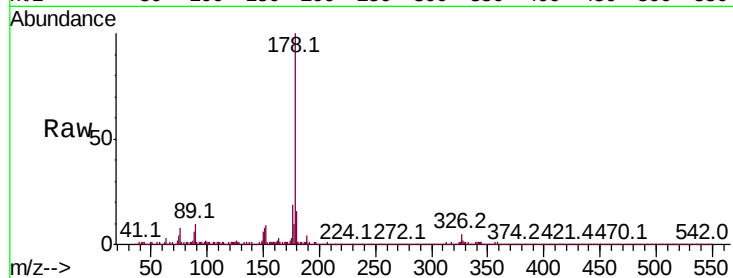
Tot Ion:178 Resp: 194875

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

176 19.1 15.1 22.7



#75

Carbazole

Concen: 1.996 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

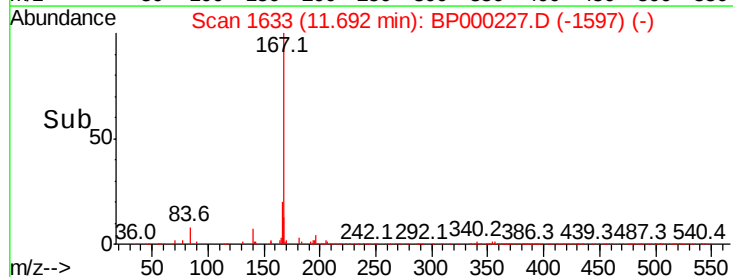
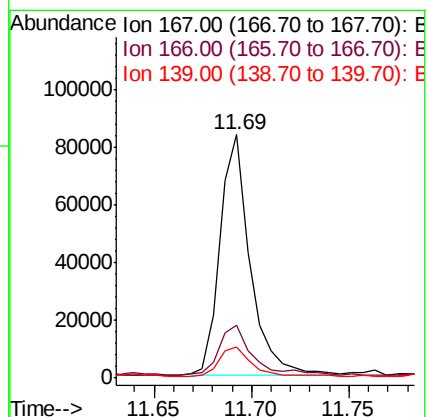
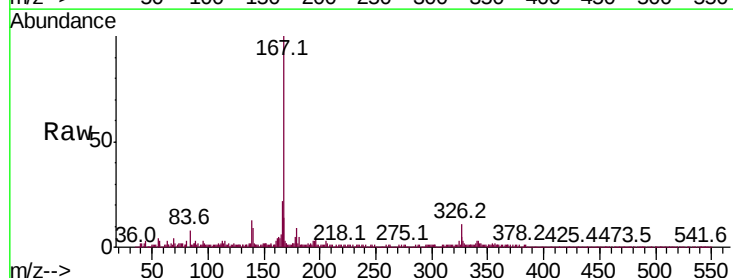
Tgt Ion:167 Resp: 88569

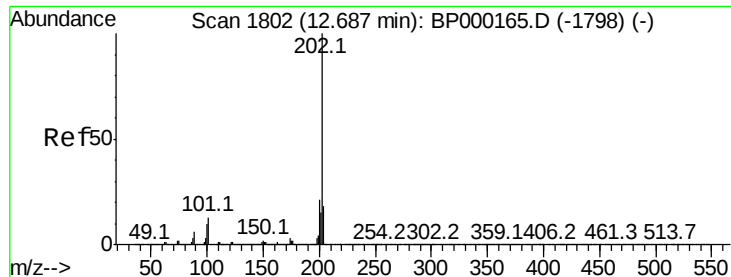
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.6 10.6 15.8





#77

Fluoranthene

Concen: 32.026 ng/ul

RT: 12.70 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

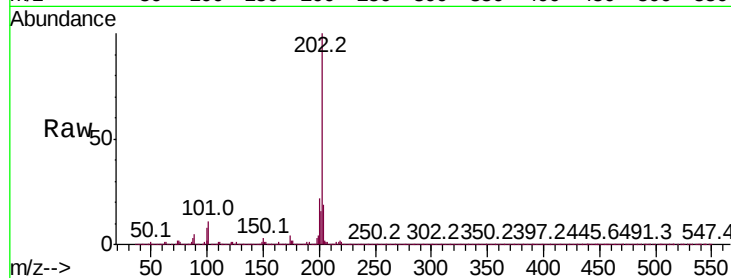
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1703270

Ion	Ratio	Lower	Upper
202	100		
101	11.3	10.0	15.0
100	8.3	7.4	11.2

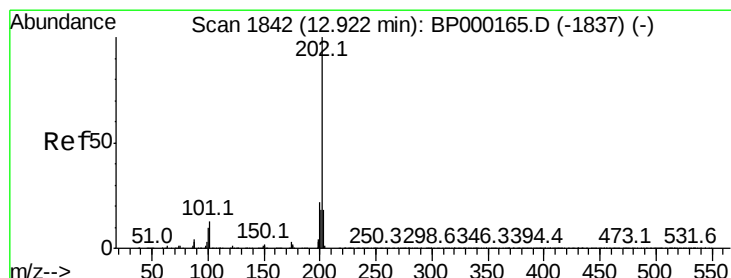
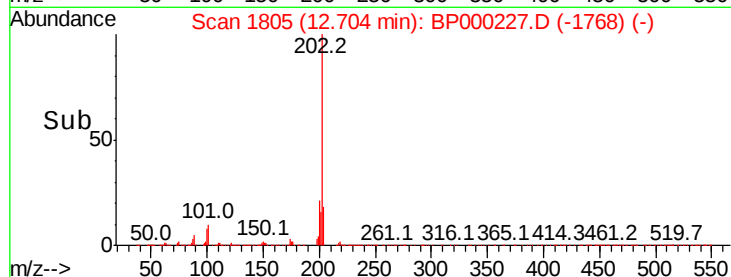
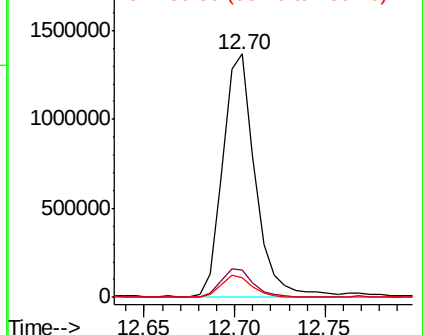


Abundance

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): BF



#80

Pyrene

Concen: 49.117 ng/ul

RT: 12.94 min Scan# 1845

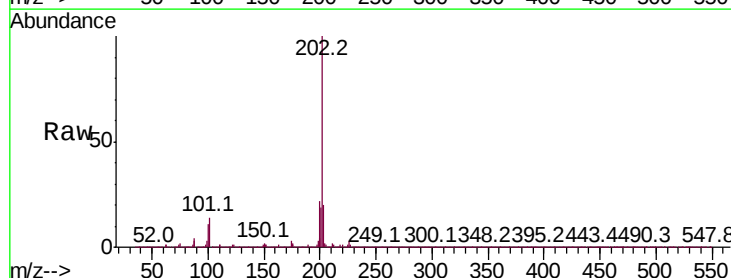
Delta R.T. 0.02 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

Tgt Ion:202 Resp: 2393369

Ion	Ratio	Lower	Upper
202	100		
101	13.7	13.4	20.0
100	10.9	10.8	16.2

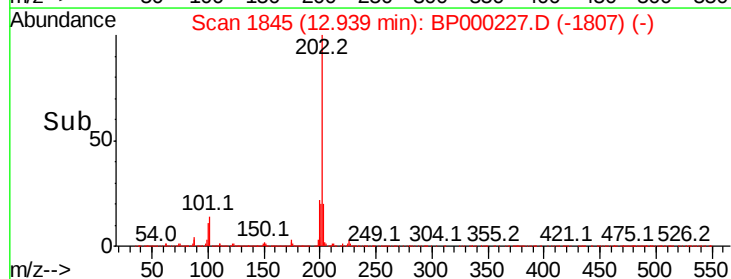
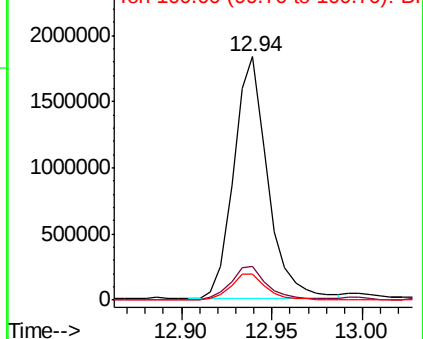


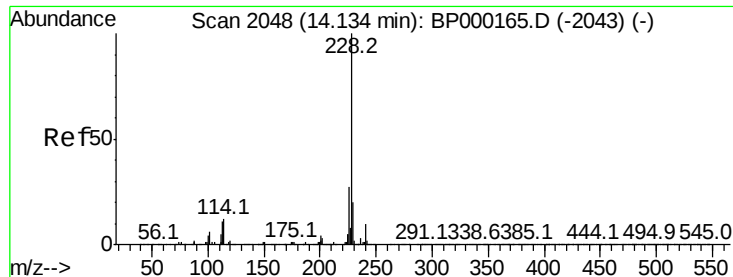
Abundance

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): BF

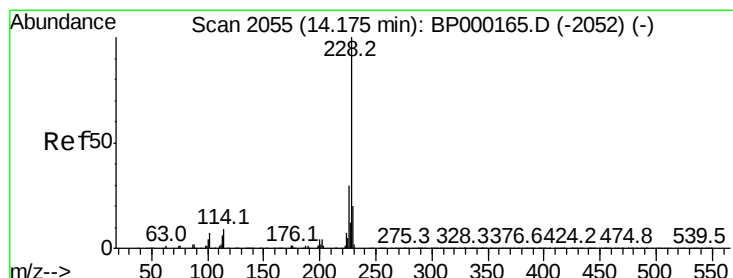
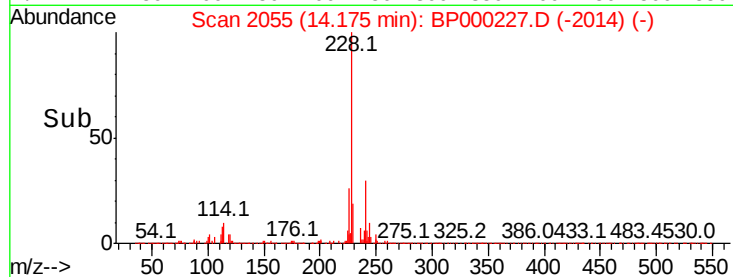
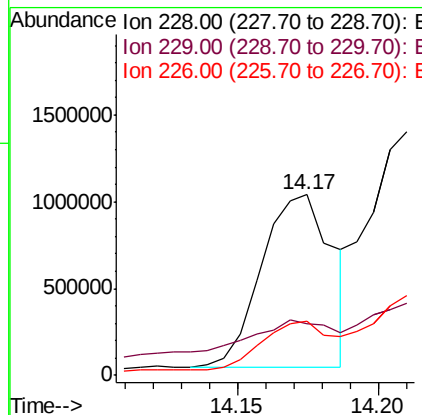
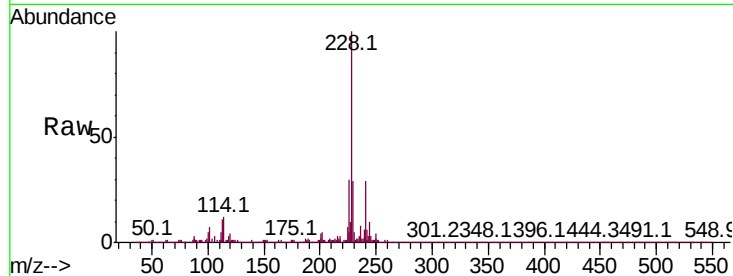




#83
Benzo(a)anthracene
Concen: 37.181 ng/ul
RT: 14.17 min Scan# 2055
Delta R.T. 0.04 min
Lab File: BP000227.D
Acq: 12 Sep 2019 20:34

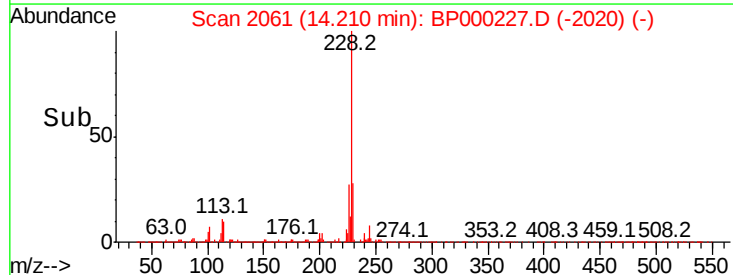
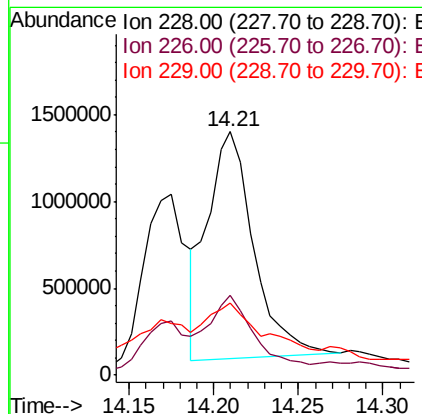
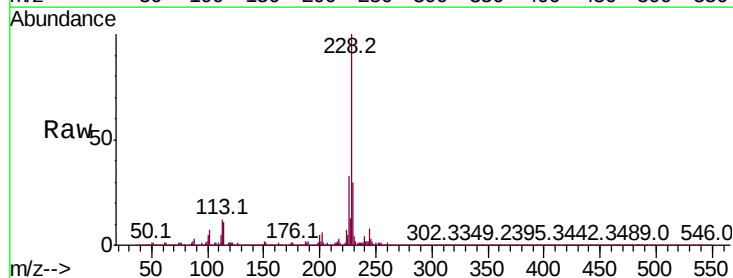
Instrument :
BNA_P
ClientSampleId :

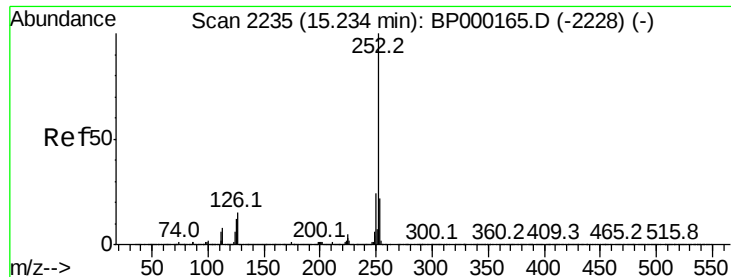
Tot Ion:228 Resp: 1738317
Ion Ratio Lower Upper
228 100
229 28.9 15.9 23.9#
226 29.8 22.1 33.1



#85
Chrysene
Concen: 58.024 ng/ul
RT: 14.21 min Scan# 2061
Delta R.T. 0.04 min
Lab File: BP000227.D
Acq: 12 Sep 2019 20:34

Tgt Ion:228 Resp: 2489319
Ion Ratio Lower Upper
228 100
226 32.7 24.4 36.6
229 29.8 16.0 24.0#





#88

Benzo(b)fluoranthene

Concen: 37.027 ng/ul

RT: 15.32 min Scan# 2249

Delta R.T. 0.09 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

Instrument :

BNA_P

ClientSampleId :

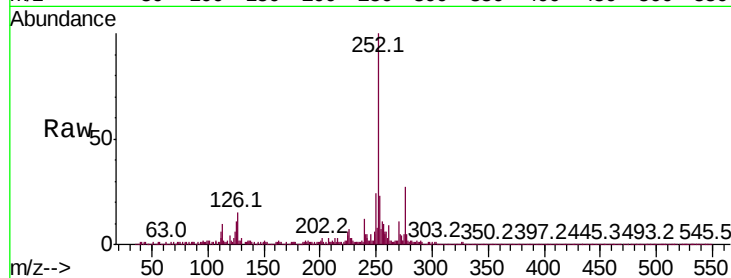
Tot Ion:252 Resp: 1652112

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

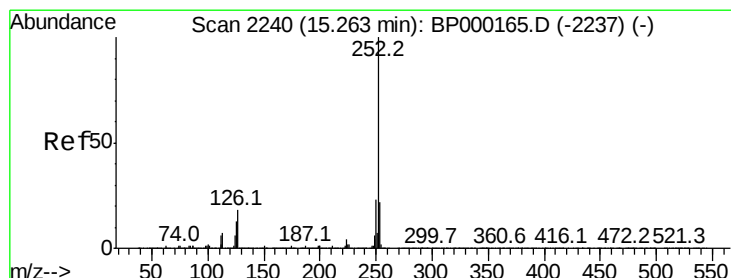
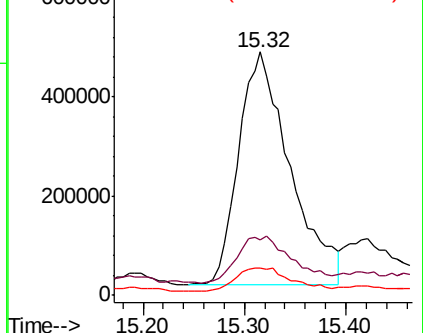
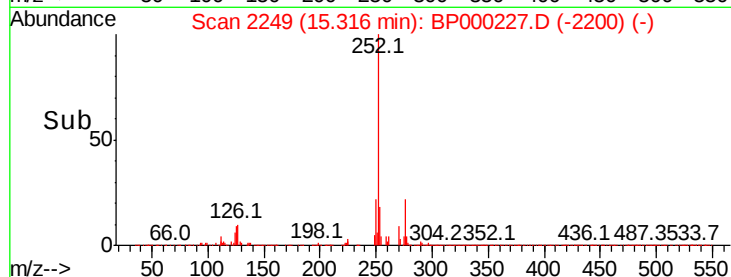
125 11.3 9.9 14.9



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: 39.280 ng/ul

RT: 15.32 min Scan# 2249

Delta R.T. 0.06 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

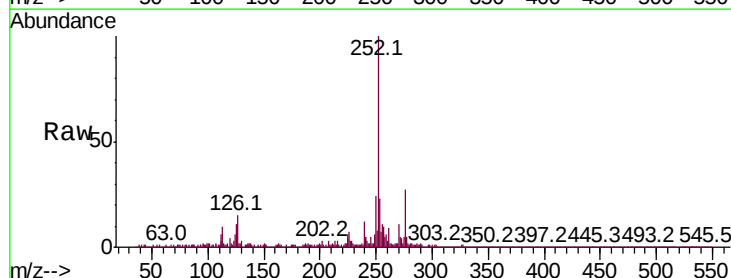
Tgt Ion:252 Resp: 1652112

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

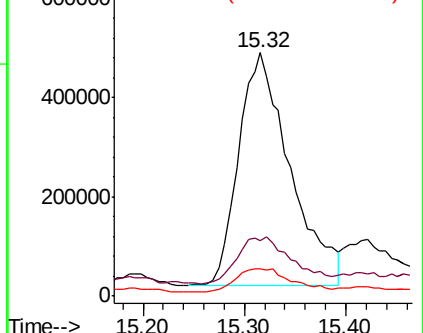
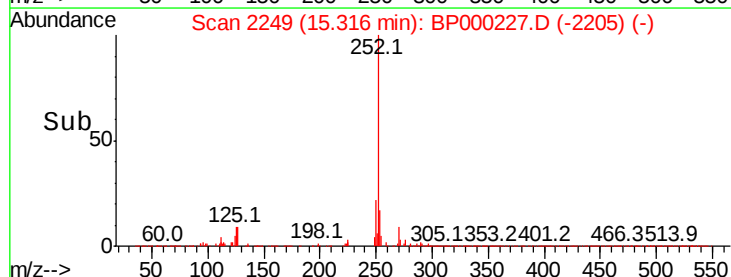
125 11.3 10.2 15.2

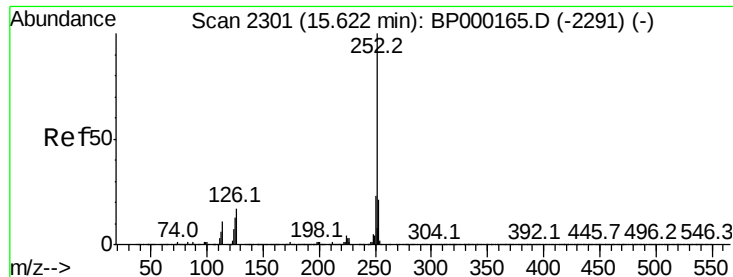


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 45.252 ng/uL

RT: 15.71 min Scan# 2316

Delta R.T. 0.09 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

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ClientSampleId :

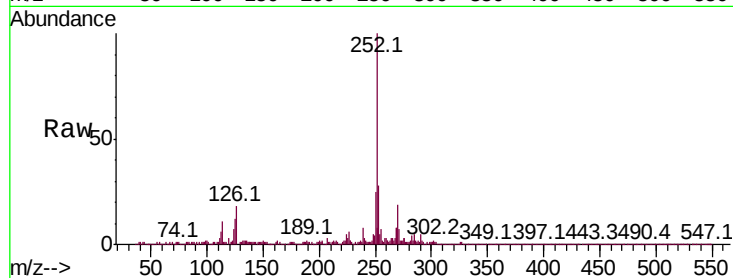
Tot Ion:252 Resp: 1894398

Ion Ratio Lower Upper

252 100

253 28.1 17.5 26.3#

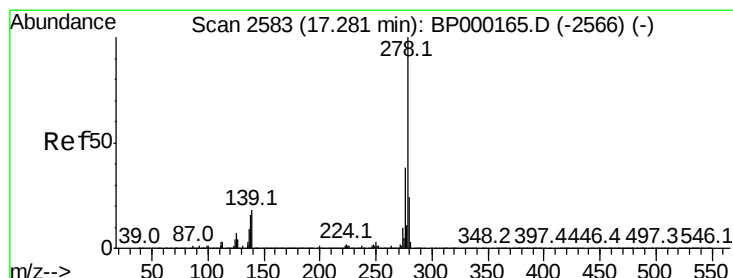
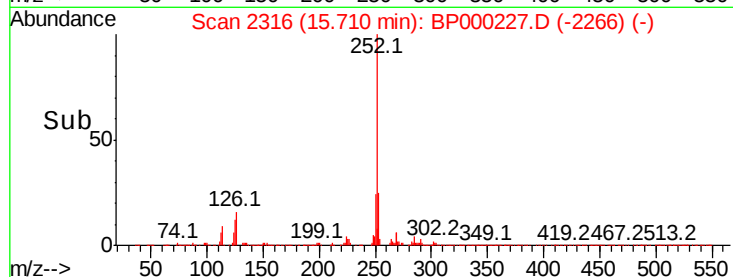
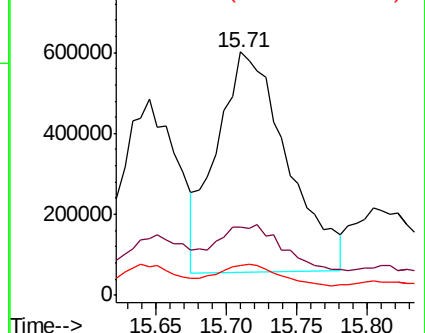
125 12.4 10.2 15.2



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



#93

Dibenzo(a,h)anthracene

Concen: 2.496 ng/uL

RT: 17.40 min Scan# 2603

Delta R.T. 0.12 min

Lab File: BP000227.D

Acq: 12 Sep 2019 20:34

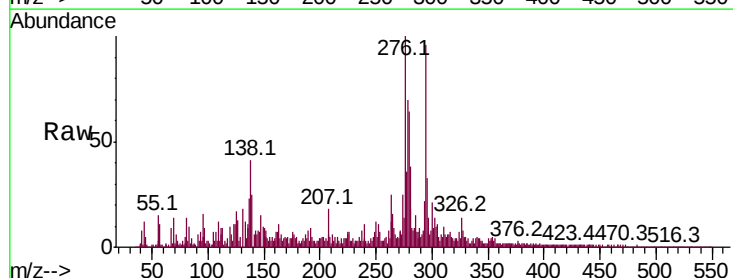
Tgt Ion:278 Resp: 99582

Ion Ratio Lower Upper

278 100

139 35.5 15.1 22.7#

279 91.6 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

