

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000215.D
 Acq On : 12 Sep 2019 14:02
 Operator : HP/JU
 Sample : K4634-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:47:52 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	362165	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1341714	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	678206	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1127605	20.00	ng/ul	0.00
78) Chrysene-d12	14.14	240	13465	20.00	ng/ul	0.00
86) Perylene-d12	15.70	264	637143	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	27703	2.71	ng/uL	0.00
5) Phenol-d5	6.51	99	534350	17.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	282914	17.54	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	440000	17.64	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	399510	17.24	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	207870	20.40	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	212715	21.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	378564	17.98	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	141789	5.45	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1017495	20.32	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1192356	19.27	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	122444	13.68	ng/ul	0.00
58) Fluorene-d10	10.47	176	807454	18.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	33437	6.45	ng/ul	0.02
71) Anthracene-d10	11.52	188	1011911	18.53	ng/ul	0.01
79) Pyrene-d10	12.92	212	888257	1109.19	ng/ul	0.02
90) Benzo(a)pyrene-d12	15.60	264	5003	0.15	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.52	94	105265	3.274	ng/ul	97
28) Naphthalene	8.20	128	762372	10.431	ng/ul	98
30) 4-Chloroaniline	8.20	127	100436	3.804	ng/ul#	3
34) 2-Methylnaphthalene	8.89	142	262656	5.262	ng/ul	98
35) 1-Methylnaphthalene	8.99	142	150622	3.162	ng/ul	96
41) 1,1'-Biphenyl	9.36	154	68326	1.223	ng/ul	98
45) Dimethylphthalate	9.66	163	256633	5.078	ng/ul	99
48) Acenaphthylene	9.80	152	72037	1.113	ng/ul#	95
50) Acenaphthene	9.98	153	1606966	35.868	ng/ul	97
54) Dibenzofuran	10.15	168	661523	10.762	ng/ul	98
59) Fluorene	10.50	166	661312	13.908	ng/ul	98
70) Phenanthrene	11.54	178	2523424	37.842	ng/ul	99
72) Anthracene	11.54	178	2521226	38.423	ng/ul	99
75) Carbazole	11.69	167	2251905	40.139	ng/ul	98
77) Fluoranthene	12.73	202	15228662	226.422	ng/ul	99
80) Pyrene	12.89	202	31518	31.025	ng/ul#	82
81) Butylbenzylphthalate	13.57	149	2915	7.313	ng/ul#	53
82) 3,3'-Dichlorobenzidine	14.10	252	6511	19.790	ng/ul#	24
83) Benzo(a)anthracene	14.12	228	79709	81.779	ng/ul#	1
85) Chrysene	14.19	228	12855218	14372.827	ng/ul	94
88) Benzo(b)fluoranthene	15.17	252	61772	1.463	ng/ul#	1
89) Benzo(k)fluoranthene	15.17	252	61772	1.552	ng/ul#	2
91) Benzo(a)pyrene	15.67	252	9675143	244.195	ng/ul	96

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QLast Update : Tue Sep 10 02:43:18 2019
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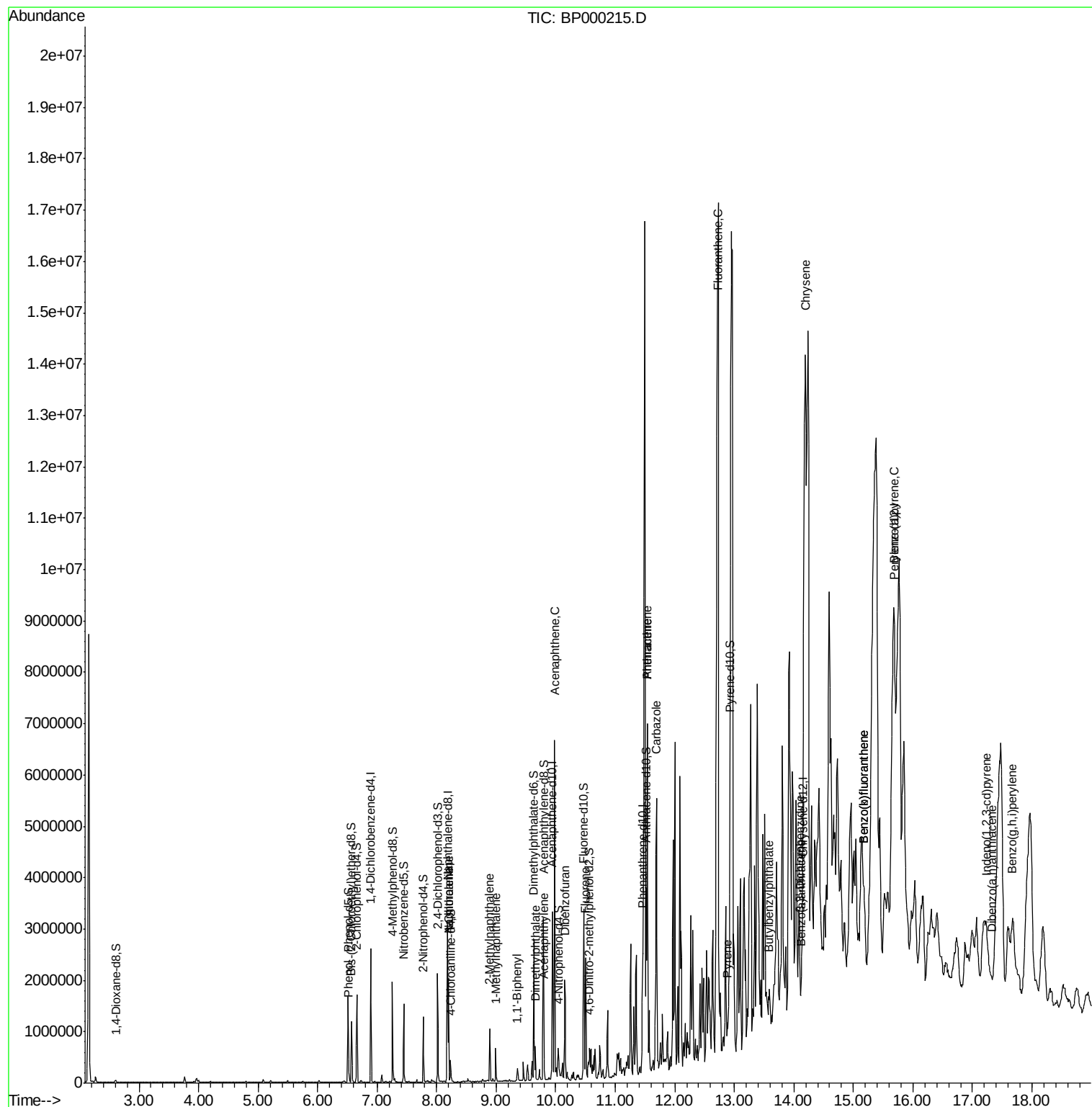
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	17.23	276	1856821	40.737	ng/ul	93
93) Dibenzo(a,h)anthracene	17.32	278	321749	8.522	ng/ul#	80
94) Benzo(g,h,i)perylene	17.67	276	39598	1.042	ng/ul#	34

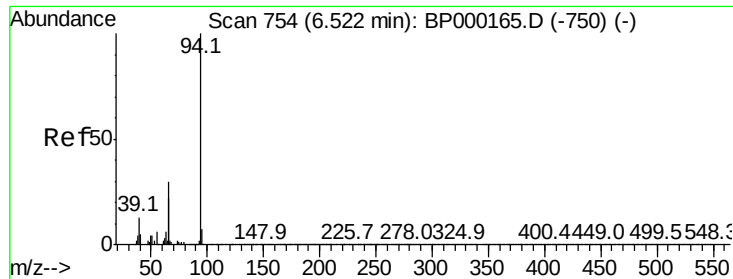
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 3.274 ng/ul

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

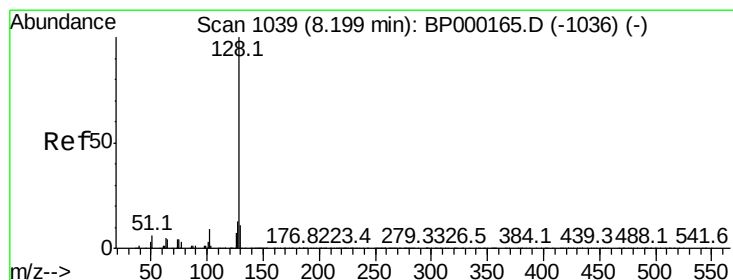
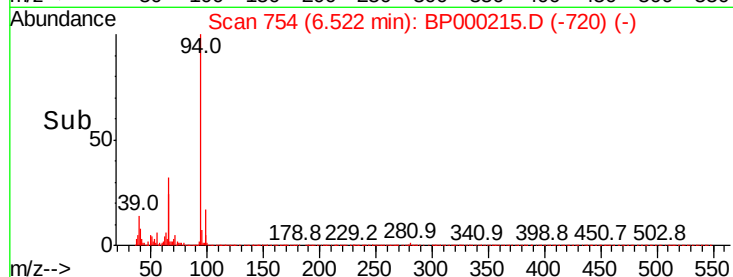
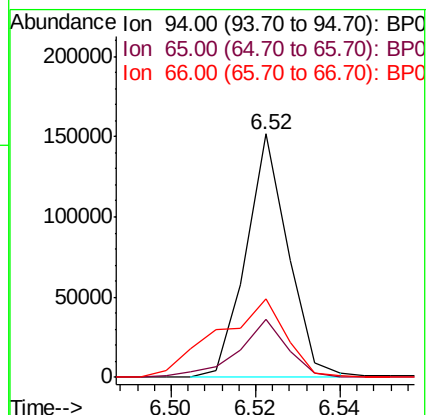
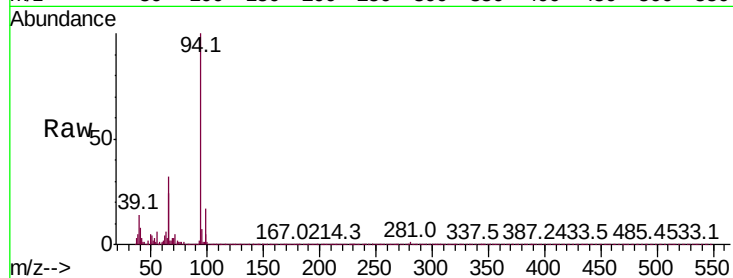
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 94 Resp: 105265

Ion	Ratio	Lower	Upper
94	100		
65	23.9	18.8	28.2
66	32.4	24.2	36.2



#28

Naphthalene

Concen: 10.431 ng/ul

RT: 8.20 min Scan# 1039

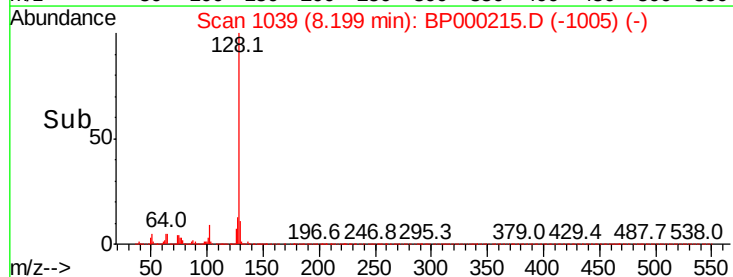
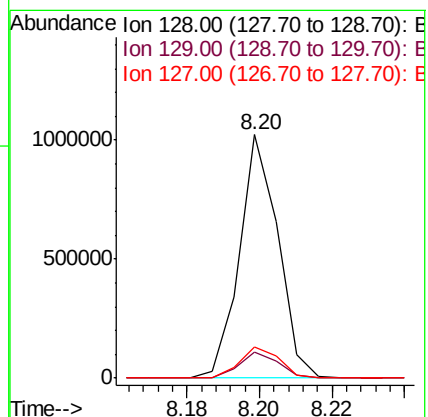
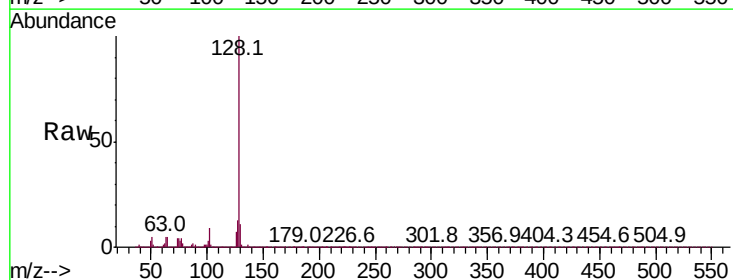
Delta R.T. 0.00 min

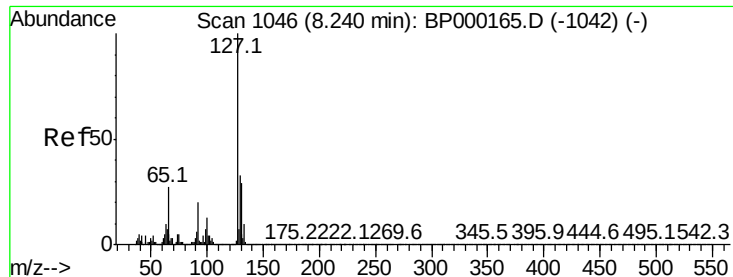
Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Tgt Ion: 128 Resp: 762372

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	12.7	10.7	16.1

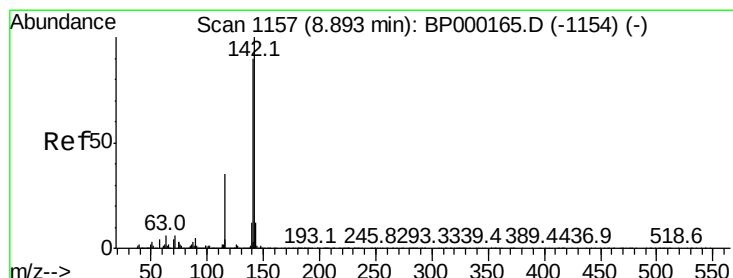
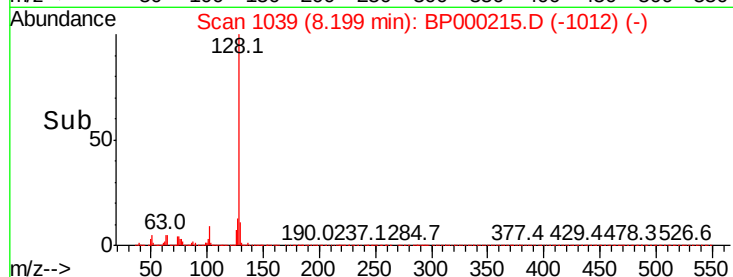
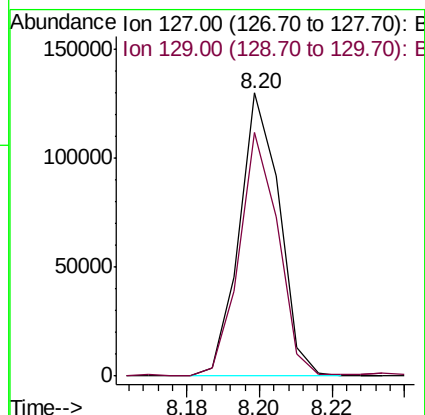
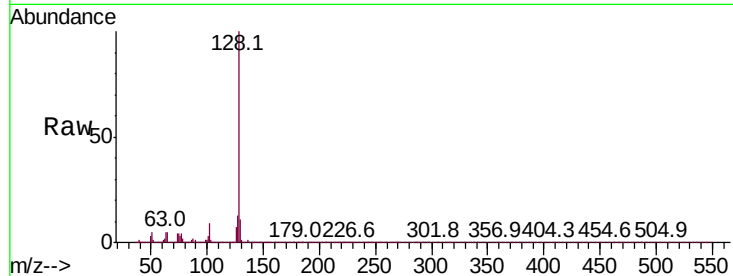




#30
4-Chloroaniline
Concen: 3.804 ng/ul
RT: 8.20 min Scan# 1039
Delta R.T. -0.04 min
Lab File: BP000215.D
Acq: 12 Sep 2019 14:02

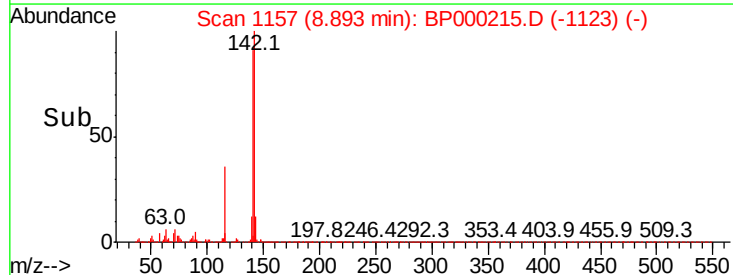
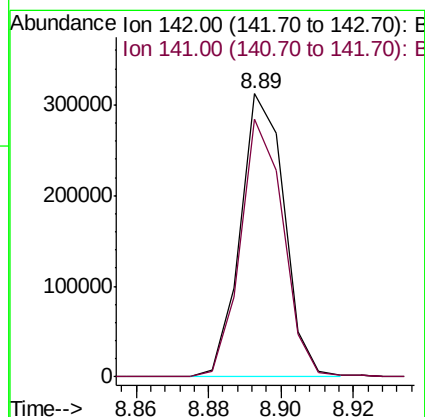
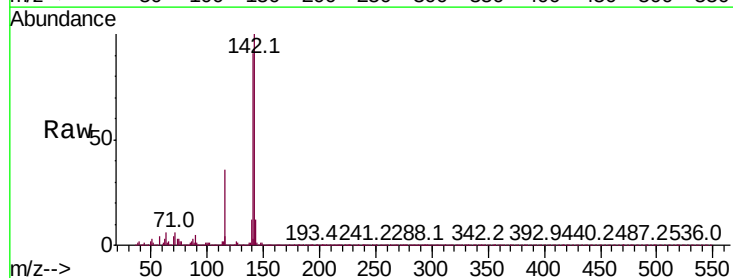
Instrument :
BNA_P
ClientSampled :

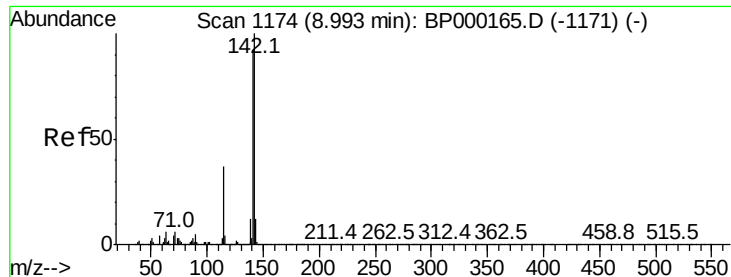
Tot Ion:127 Resp: 100436
Ion Ratio Lower Upper
127 100
129 86.0 25.6 38.4#



#34
2-Methylnaphthalene
Concen: 5.262 ng/ul
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BP000215.D
Acq: 12 Sep 2019 14:02

Tgt Ion:142 Resp: 262656
Ion Ratio Lower Upper
142 100
141 91.1 71.4 107.0





#35

1-Methylnaphthalene

Concen: 3.162 ng/ul

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampled :

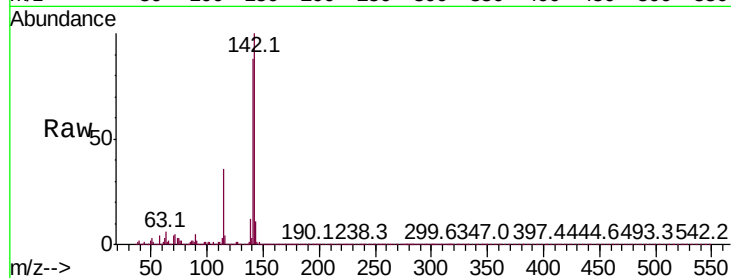
Tot Ion:142 Resp: 150622

Ion Ratio Lower Upper

142 100

141 88.0 73.9 110.9

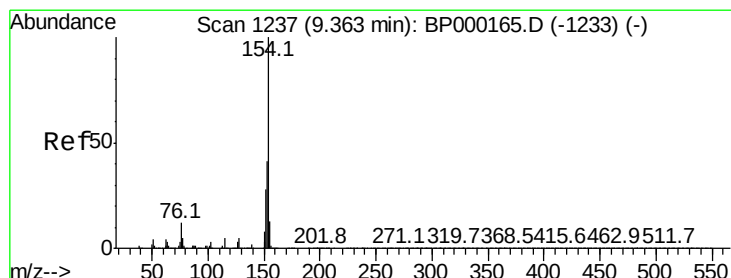
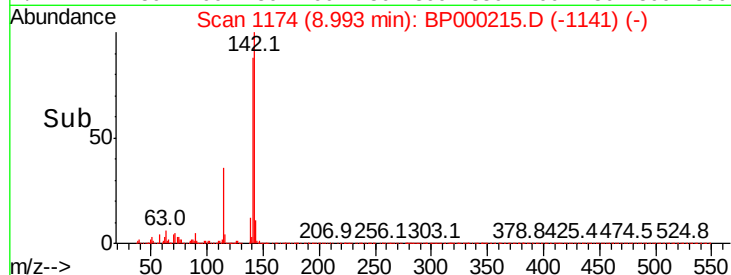
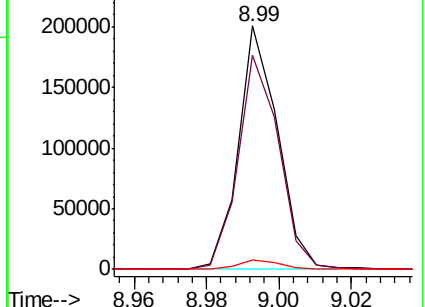
116 3.9 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 1.223 ng/ul

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

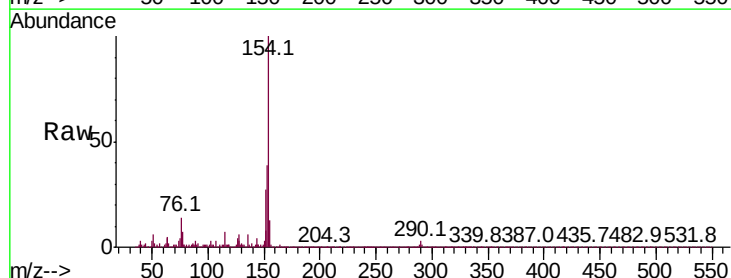
Tgt Ion:154 Resp: 68326

Ion Ratio Lower Upper

154 100

153 39.1 32.6 48.8

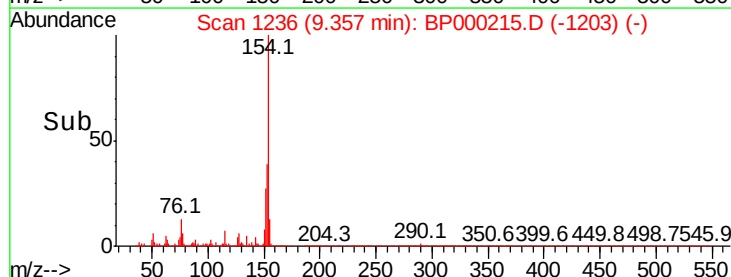
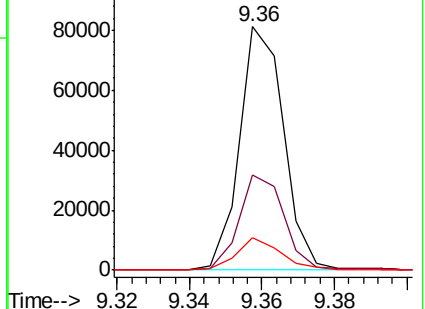
76 13.5 11.5 17.3

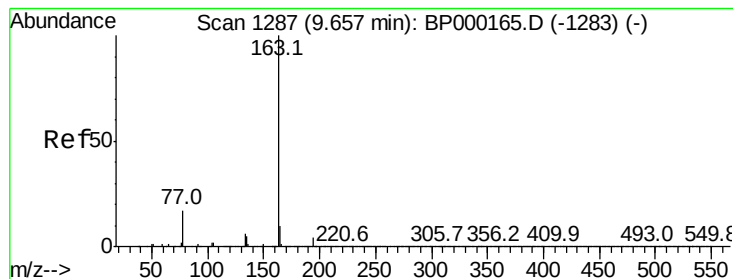


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BPO





#45

Dimethylphthalate

Concen: 5.078 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampleId :

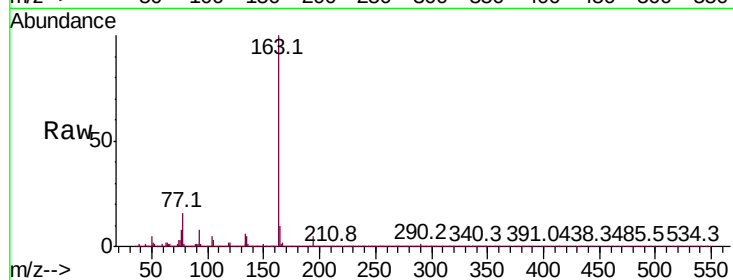
Tot Ion:163 Resp: 256633

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

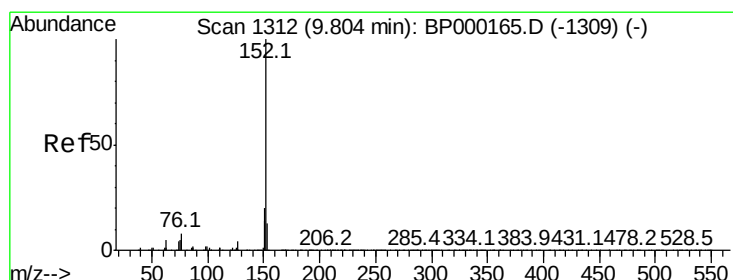
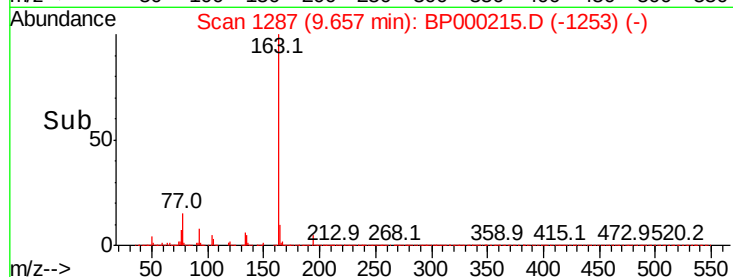
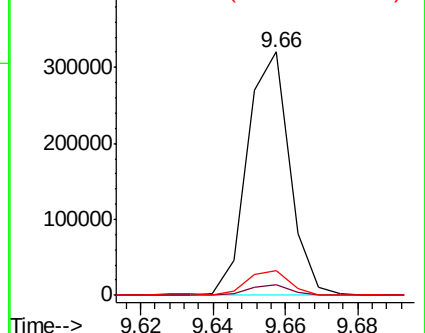
164 10.2 8.4 12.6



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



#48

Acenaphthylene

Concen: 1.113 ng/ul

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

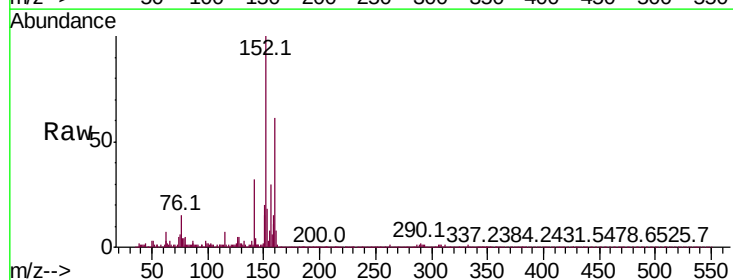
Tgt Ion:152 Resp: 72037

Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

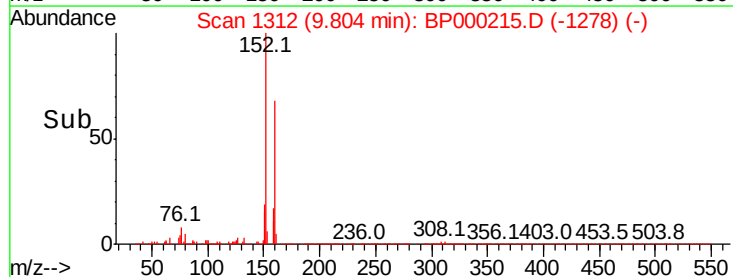
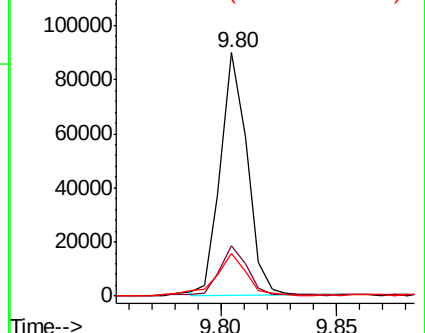
153 17.6 10.8 16.2#

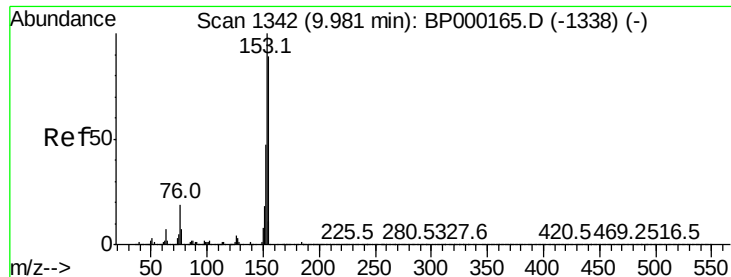


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 35.868 ng/ul

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

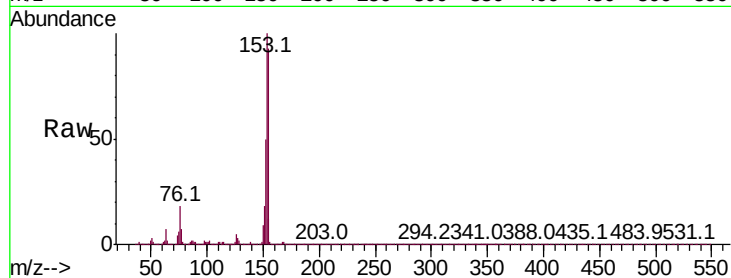
Instrument :

BNA_P

ClientSampleId :

Tot Ion:153 Resp: 1606966

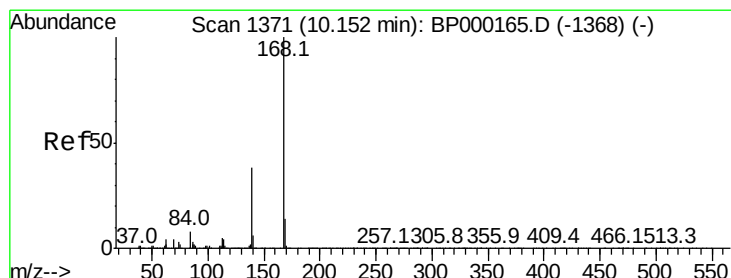
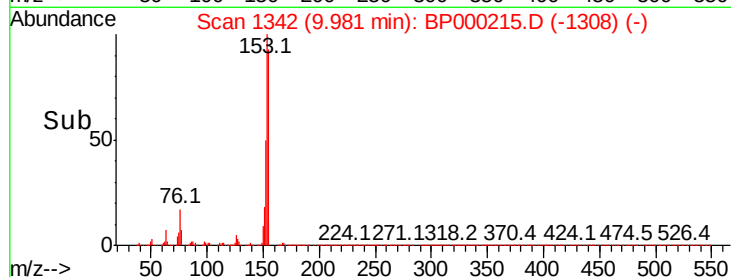
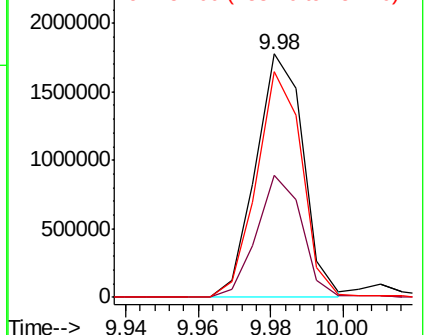
Ion	Ratio	Lower	Upper
153	100		
152	50.2	38.0	57.0
154	92.7	72.6	108.8



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: 10.762 ng/ul

RT: 10.15 min Scan# 1371

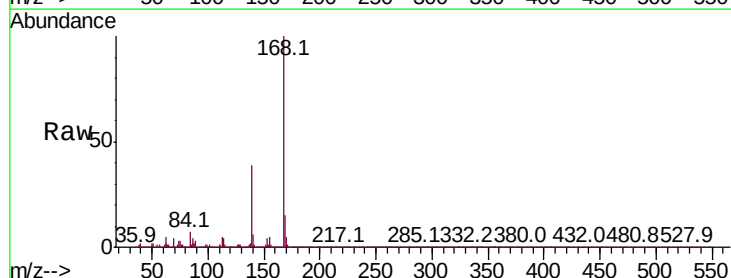
Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

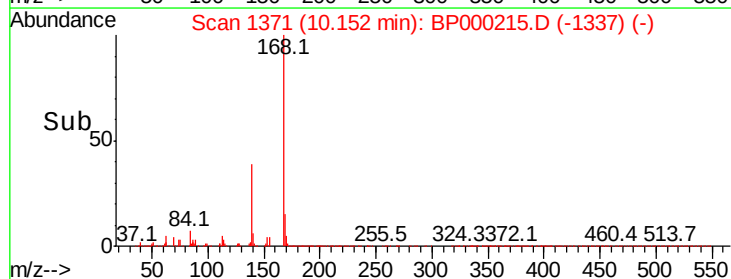
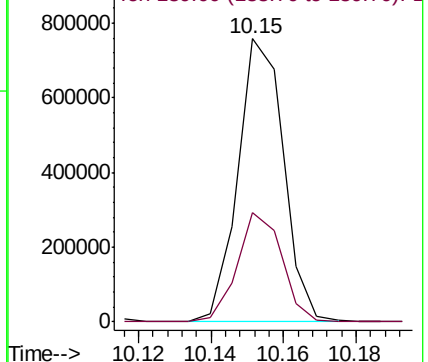
Tgt Ion:168 Resp: 661523

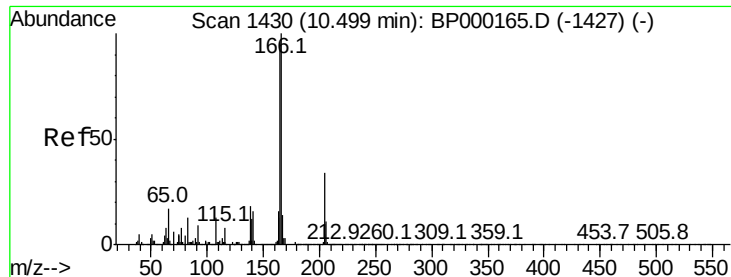
Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.0	45.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 13.908 ng/ul

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampleId :

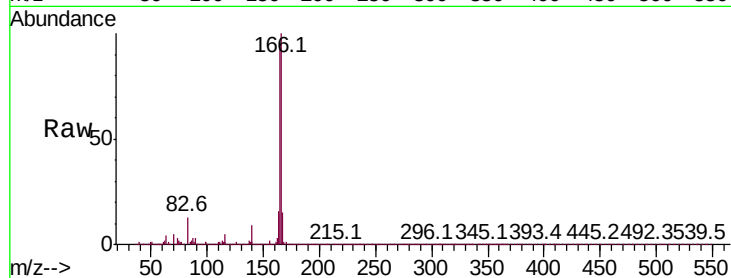
Tot Ion:166 Resp: 661312

Ion Ratio Lower Upper

166 100

165 95.5 77.8 116.8

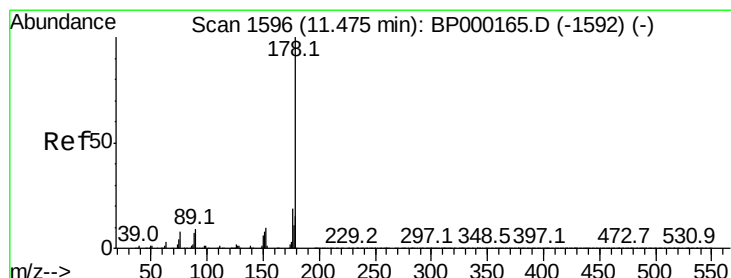
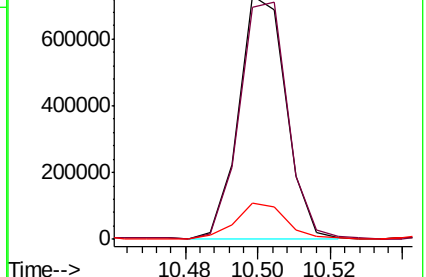
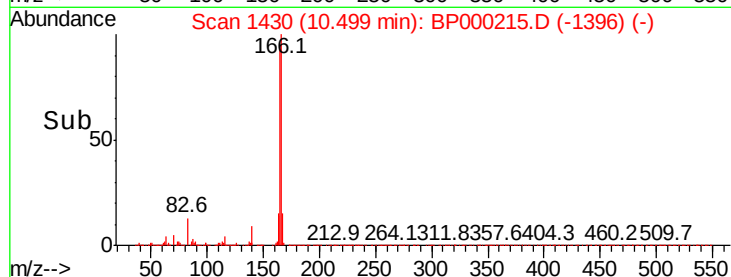
167 15.0 10.9 16.3



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: 37.842 ng/ul

RT: 11.54 min Scan# 1607

Delta R.T. 0.06 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

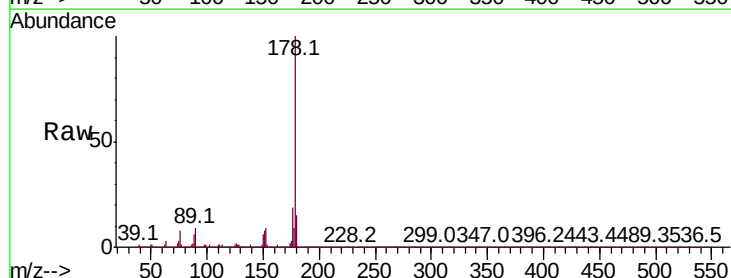
Tgt Ion:178 Resp: 2523424

Ion Ratio Lower Upper

178 100

179 15.0 12.5 18.7

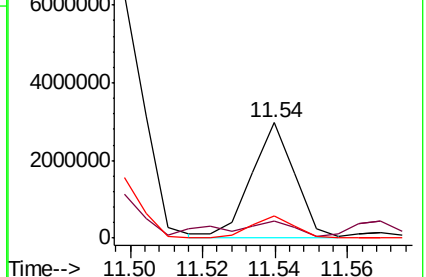
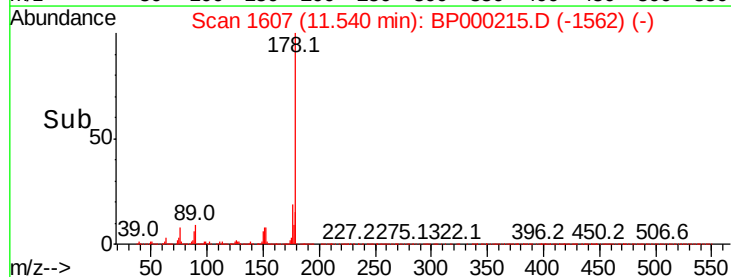
176 19.3 15.7 23.5

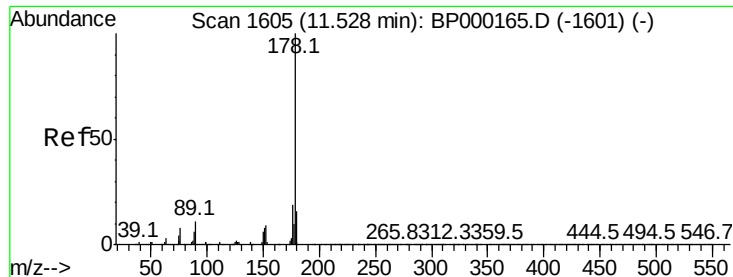


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 38.423 ng/ul

RT: 11.54 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

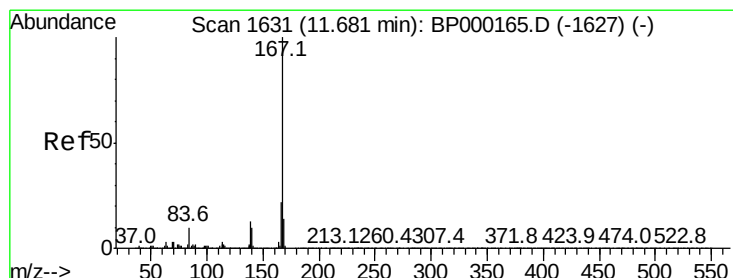
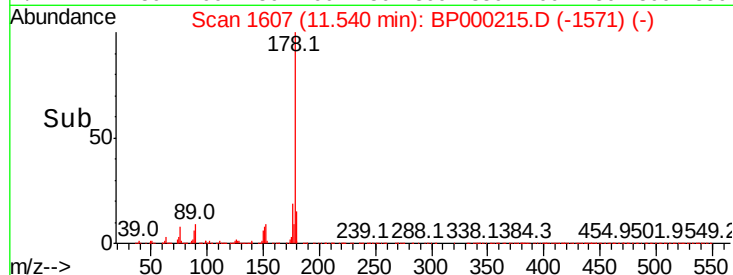
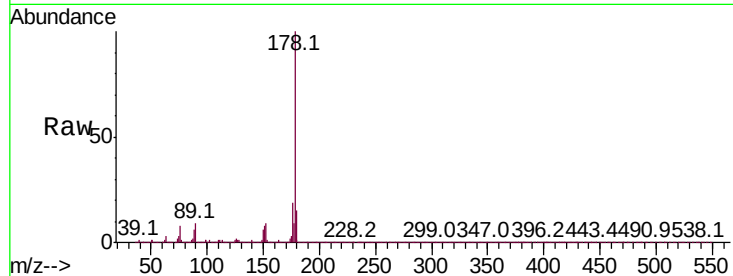
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 2521226

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	19.3	15.1	22.7



#75

Carbazole

Concen: 40.139 ng/ul

RT: 11.69 min Scan# 1633

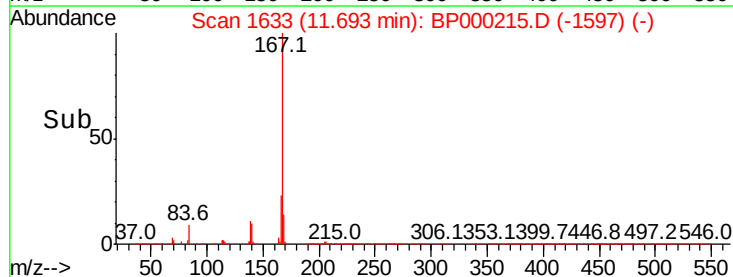
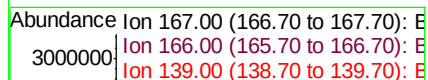
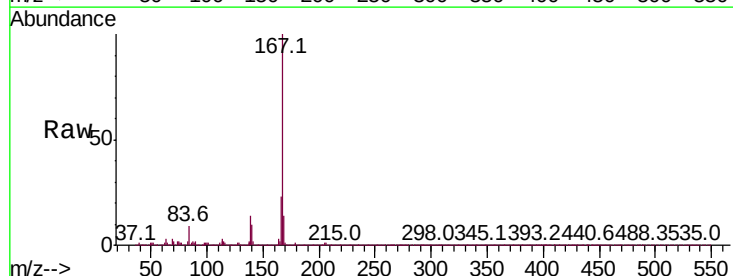
Delta R.T. 0.01 min

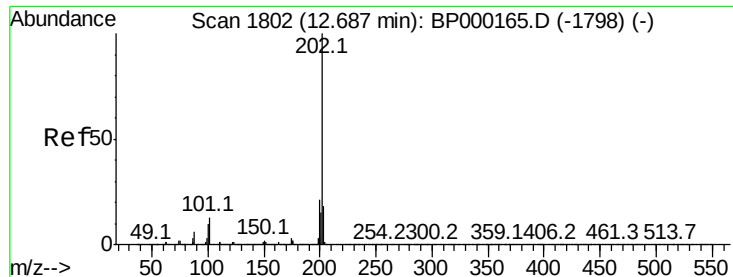
Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Tgt Ion:167 Resp: 2251905

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.3	25.9
139	13.6	10.6	15.8

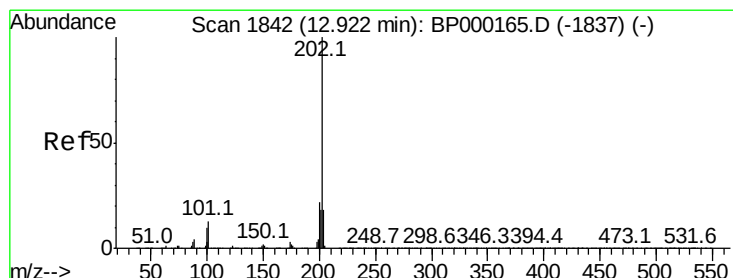
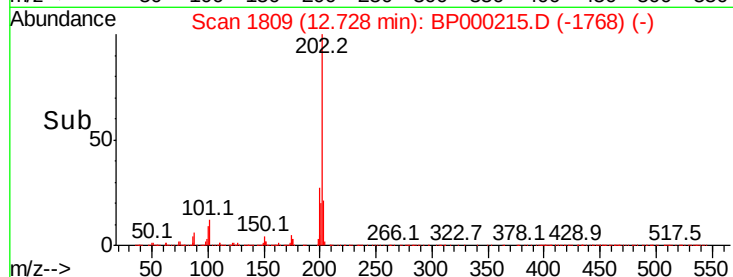
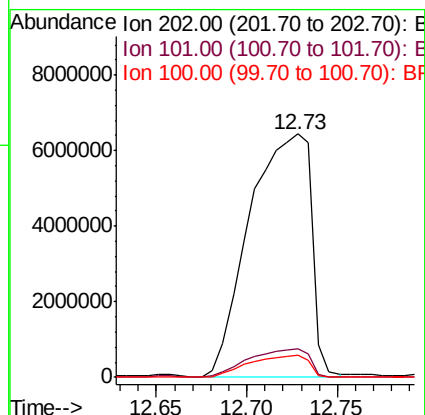
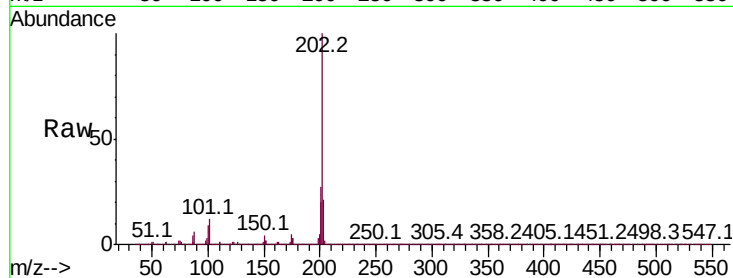




#77
Fluoranthene
Concen: 226.422 ng/ul
RT: 12.73 min Scan# 1809
Delta R.T. 0.04 min
Lab File: BP000215.D
Acq: 12 Sep 2019 14:02

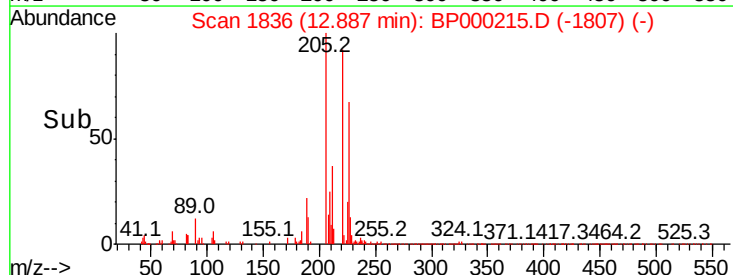
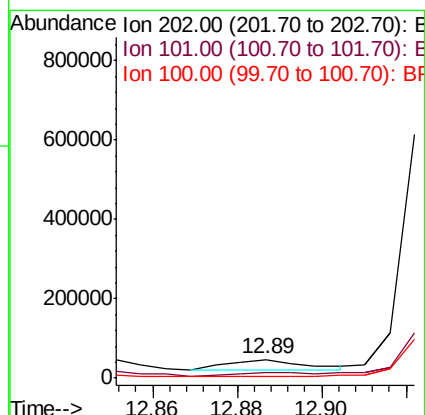
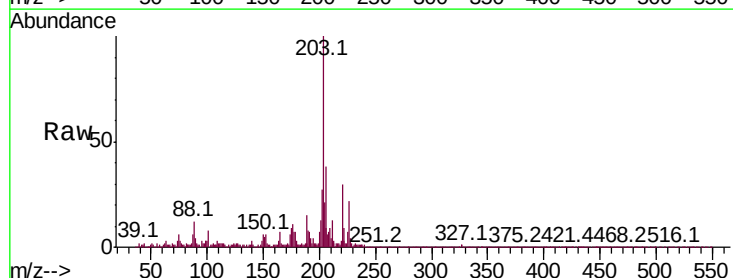
Instrument :
BNA_P
ClientSampleId :

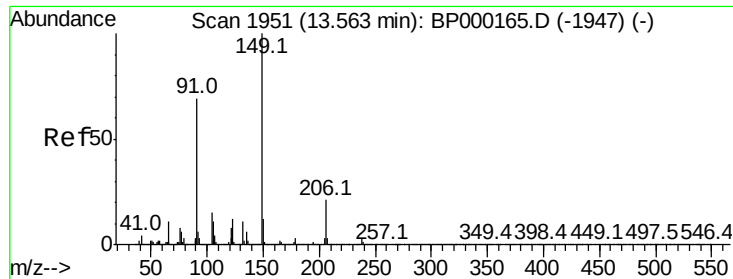
Tot Ion:202 Resp:15228662
Ion Ratio Lower Upper
202 100
101 12.0 10.0 15.0
100 9.2 7.4 11.2



#80
Pyrene
Concen: 31.025 ng/ul
RT: 12.89 min Scan# 1836
Delta R.T. -0.03 min
Lab File: BP000215.D
Acq: 12 Sep 2019 14:02

Tgt Ion:202 Resp: 31518
Ion Ratio Lower Upper
202 100
101 28.3 13.4 20.0#
100 10.7 10.8 16.2#

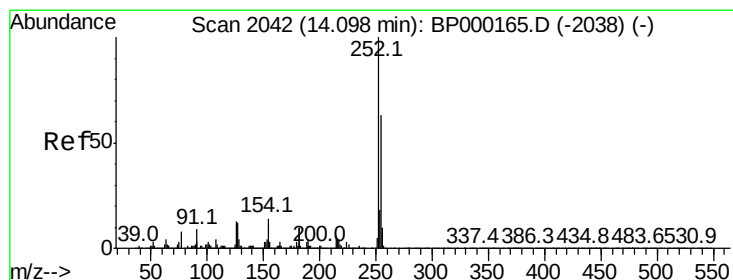
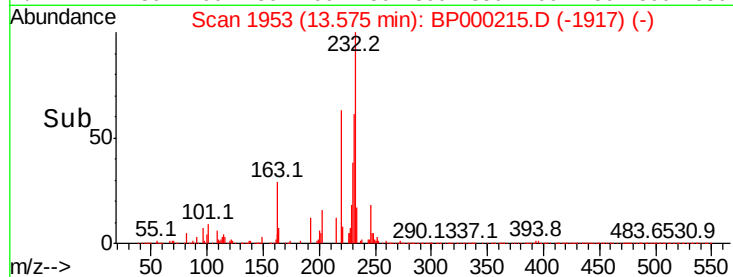
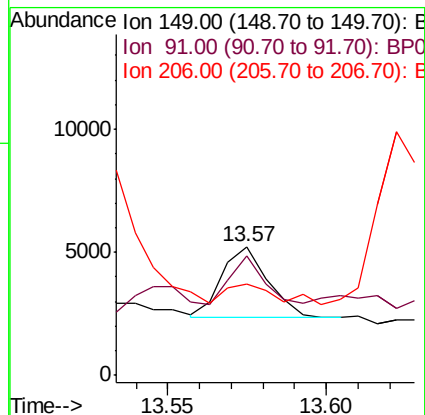
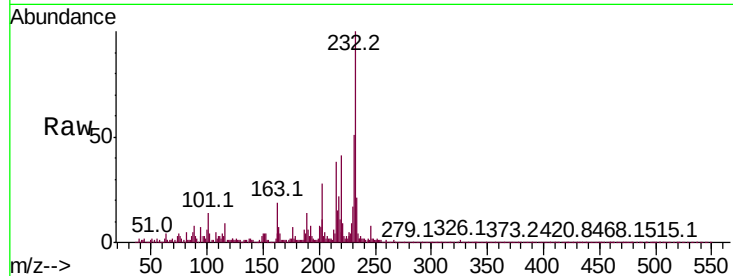




#81
 Butylbenzylphthalate
 Concen: 7.313 ng/ul
 RT: 13.57 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: BP000215.D
 Acq: 12 Sep 2019 14:02

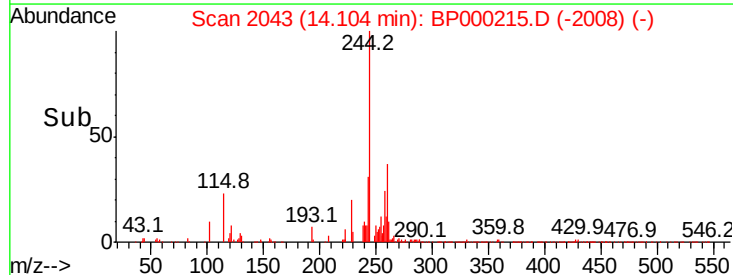
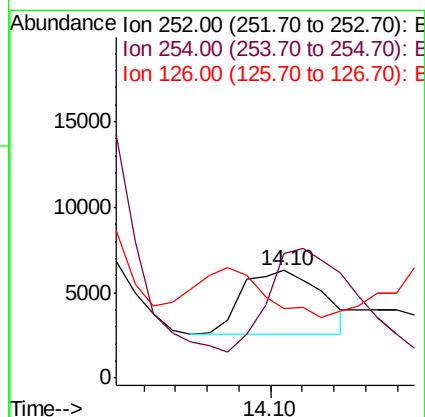
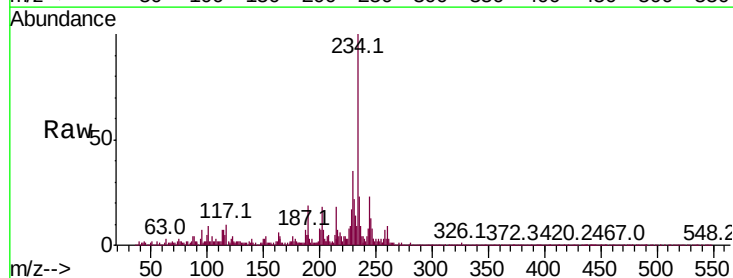
Instrument :
 BNA_P
 ClientSampleId :

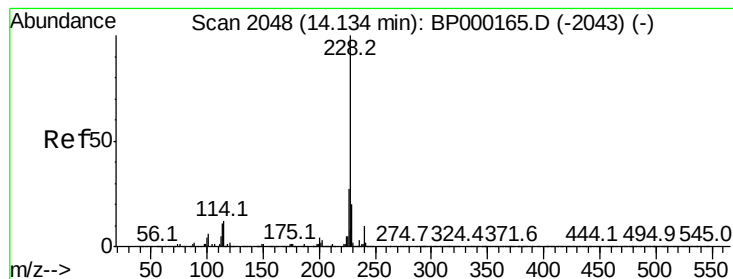
Tot Ion	Ratio	Lower	Upper
149	100		
91	92.4	55.0	82.4#
206	70.9	16.6	24.8#



#82
 3,3'-Dichlorobenzidine
 Concen: 19.790 ng/ul
 RT: 14.10 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BP000215.D
 Acq: 12 Sep 2019 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
254	115.2	51.4	77.2#
126	64.2	8.7	13.1#





#83

Benzo(a)anthracene

Concen: 81.779 ng/ul

RT: 14.12 min Scan# 2045

Delta R.T. -0.02 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampleId :

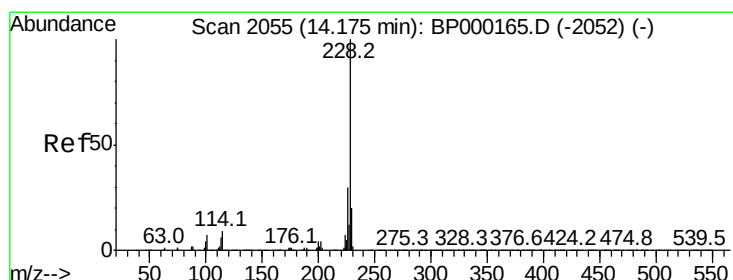
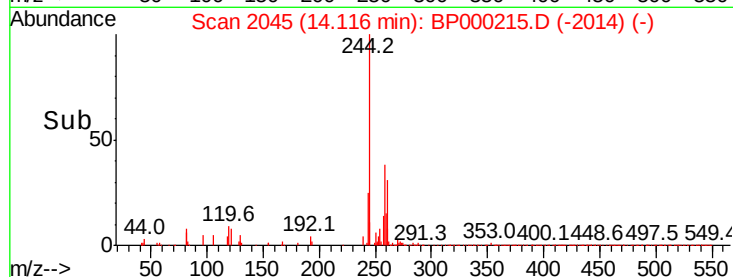
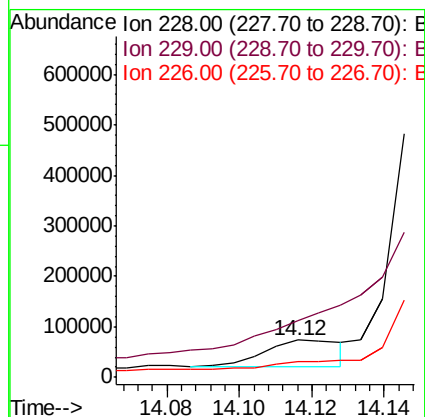
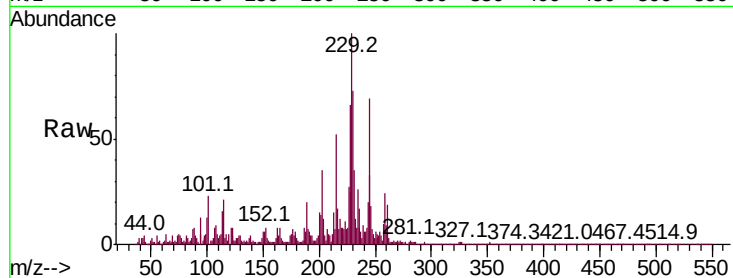
Tot Ion:228 Resp: 79709

Ion Ratio Lower Upper

228 100

229 151.5 15.9 23.9#

226 41.6 22.1 33.1#



#85

Chrysene

Concen: 14372.827 ng/ul

RT: 14.19 min Scan# 2058

Delta R.T. 0.02 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

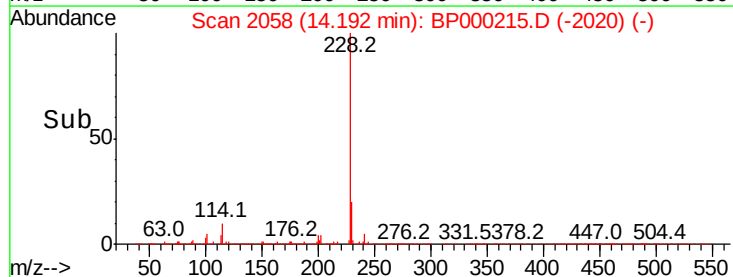
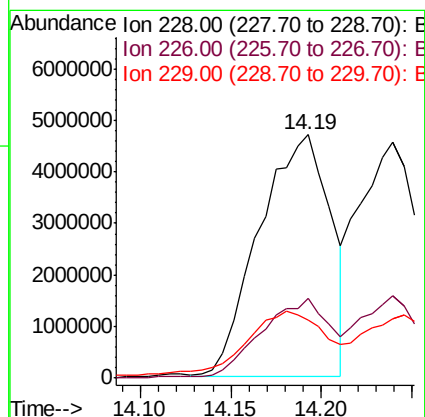
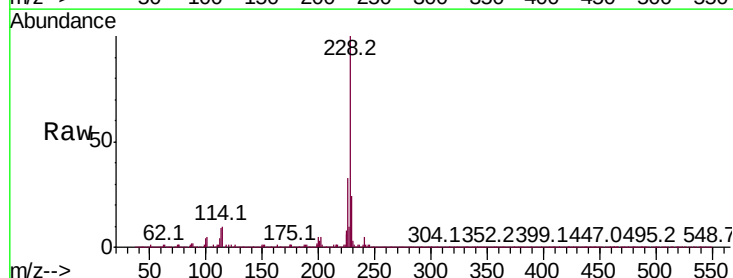
Tgt Ion:228 Resp:12855218

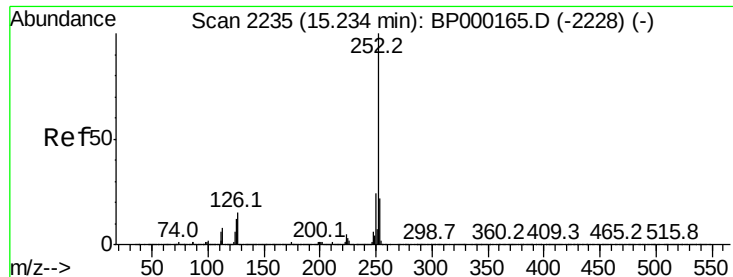
Ion Ratio Lower Upper

228 100

226 32.8 24.4 36.6

229 23.9 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 1.463 ng/ul

RT: 15.17 min Scan# 2225

Delta R.T. -0.05 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampleId :

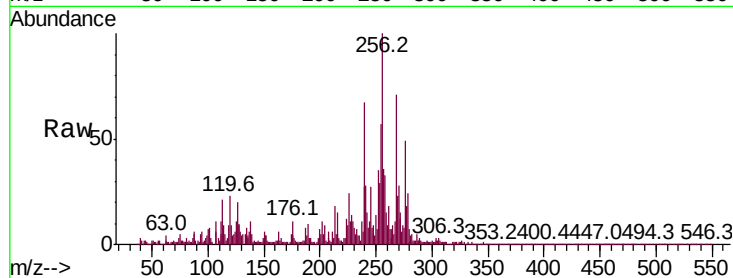
Tot Ion:252 Resp: 61772

Ion Ratio Lower Upper

252 100

253 83.3 17.5 26.3#

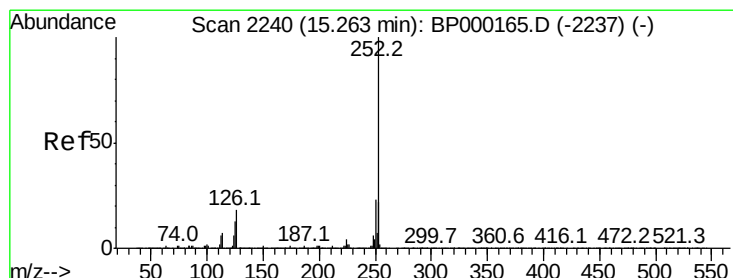
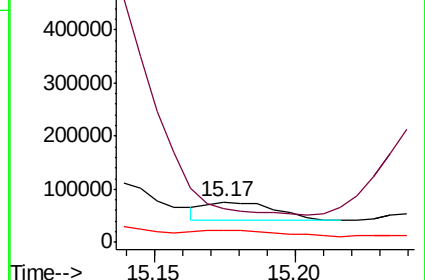
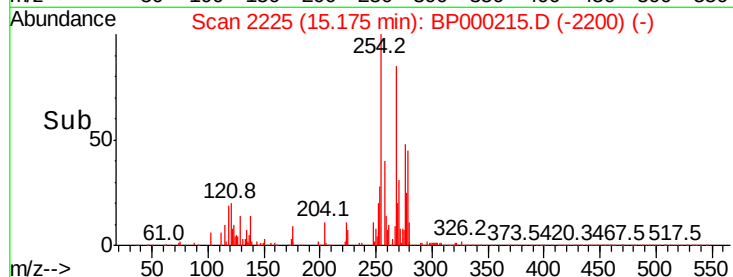
125 31.0 9.9 14.9#



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: 1.552 ng/ul

RT: 15.17 min Scan# 2225

Delta R.T. -0.08 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

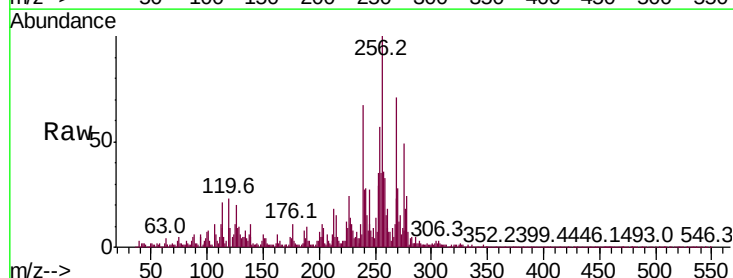
Tgt Ion:252 Resp: 61772

Ion Ratio Lower Upper

252 100

253 83.3 18.0 27.0#

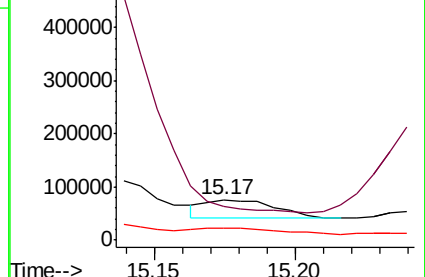
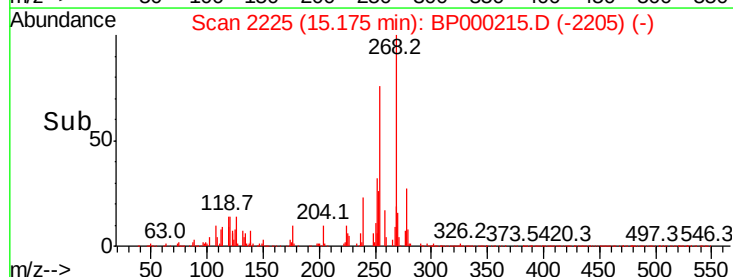
125 31.0 10.2 15.2#

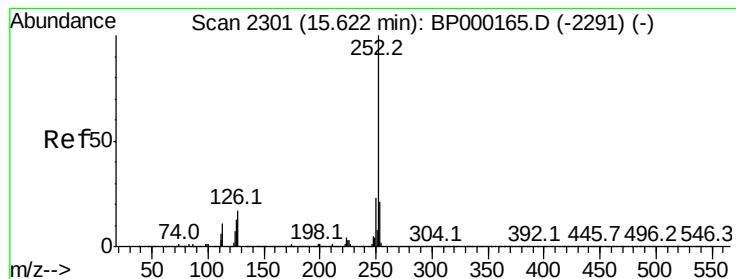


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 244.195 ng/ul

RT: 15.67 min Scan# 2310

Delta R.T. 0.06 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

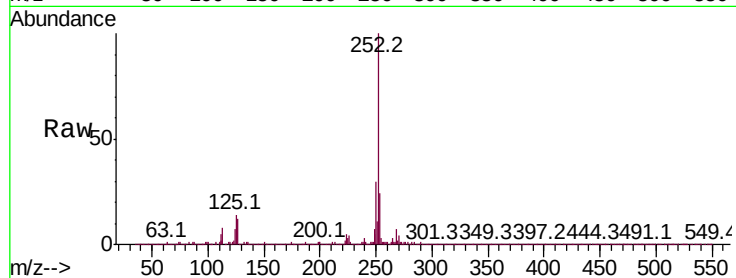
Instrument :

BNA_P

ClientSampleId :

Tot Ion:252 Resp: 9675143

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	13.6	10.2	15.2

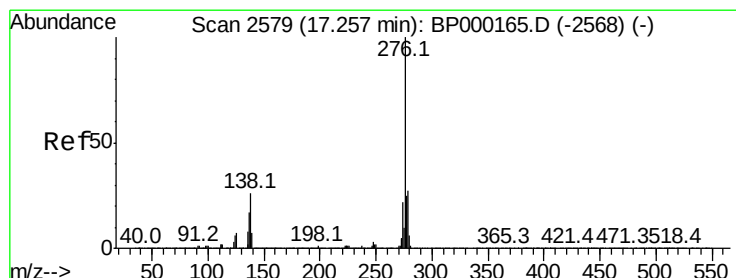
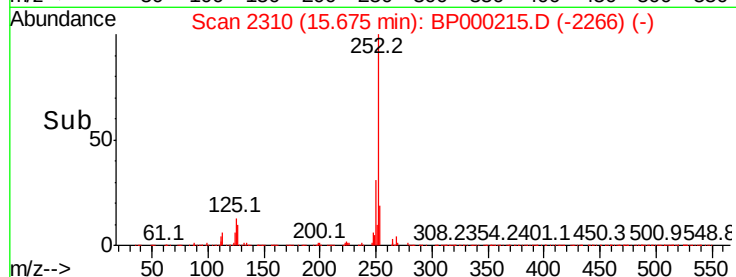
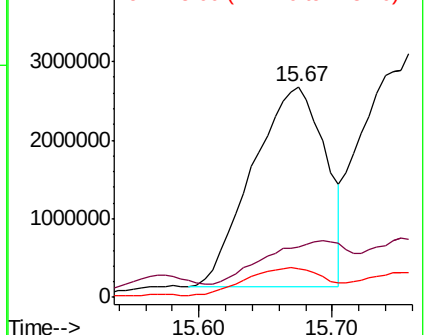


Abundance

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: 40.737 ng/ul

RT: 17.23 min Scan# 2575

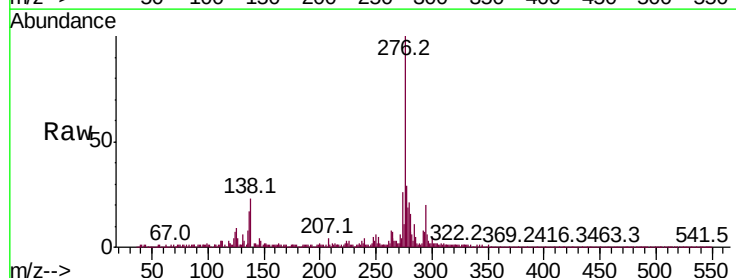
Delta R.T. -0.02 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Tgt Ion:276 Resp: 1856821

Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.0	30.0
277	28.7	19.4	29.0

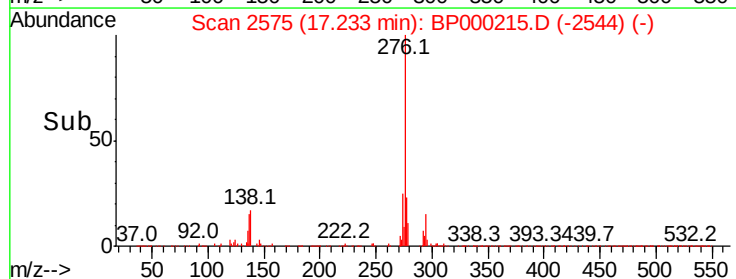
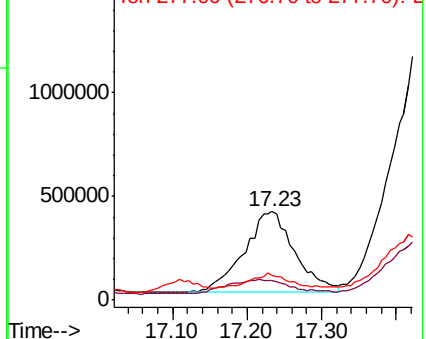


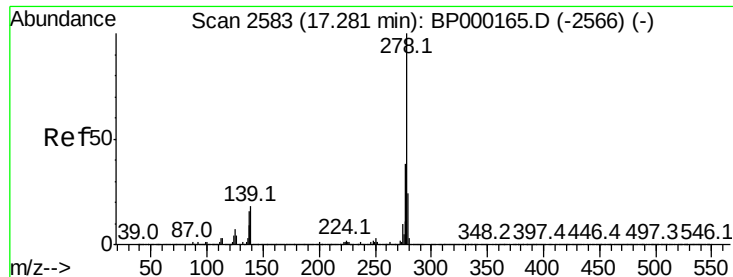
Abundance

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: 8.522 ng/ul

RT: 17.32 min Scan# 2590

Delta R.T. 0.05 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Instrument :

BNA_P

ClientSampleId :

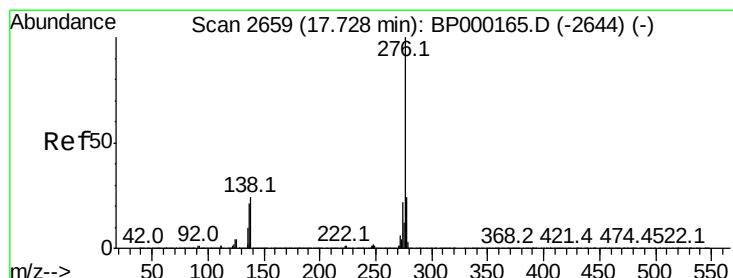
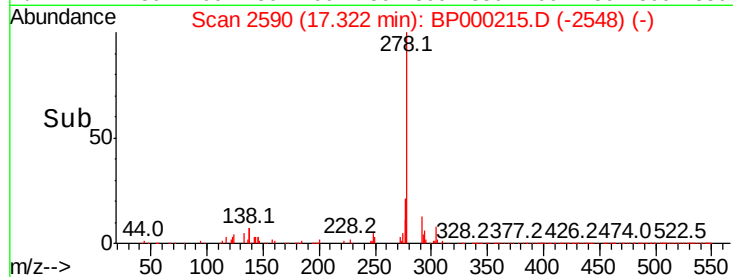
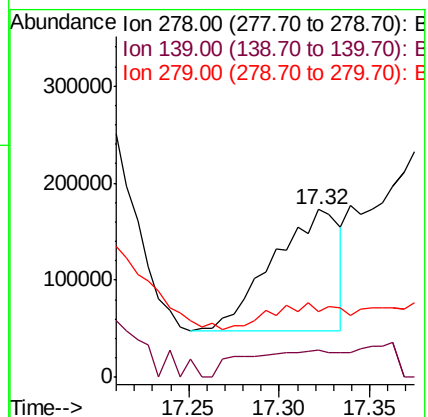
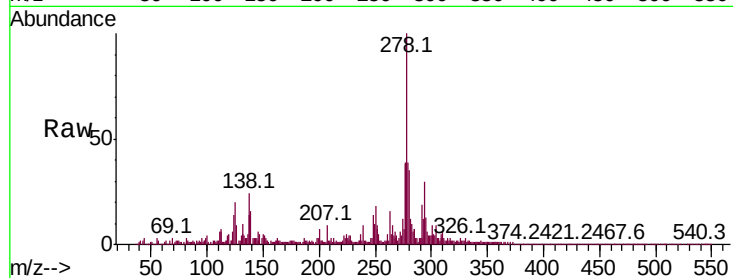
Tot Ion:278 Resp: 321749

Ion Ratio Lower Upper

278 100

139 16.0 15.1 22.7

279 39.4 19.2 28.8#



#94

Benzo(g,h,i)perylene

Concen: 1.042 ng/ul

RT: 17.67 min Scan# 2649

Delta R.T. -0.05 min

Lab File: BP000215.D

Acq: 12 Sep 2019 14:02

Tgt Ion:276 Resp: 39598

Ion Ratio Lower Upper

276 100

138 58.3 20.0 30.0#

277 56.3 19.1 28.7#

