

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001030.D
 Acq On : 11 Nov 2019 22:10
 Operator : JU
 Sample : K5777-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 12 04:17:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	236203	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	831360	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	454450	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	873047	20.00	ng	0.00
76) Chrysene-d12	19.31	240	669579	20.00	ng	0.01
87) Perylene-d12	21.09	264	798689	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.31	112	1293745	99.70	ng	0.01
7) Phenol-d6	7.82	99	1687853	102.85	ng	0.00
23) Nitrobenzene-d5	9.25	82	1024881	68.19	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	548132	101.04	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	1512342	50.12	ng	0.00
79) Terphenyl-d14	17.94	244	1680871	49.93	ng	0.00

Target Compounds

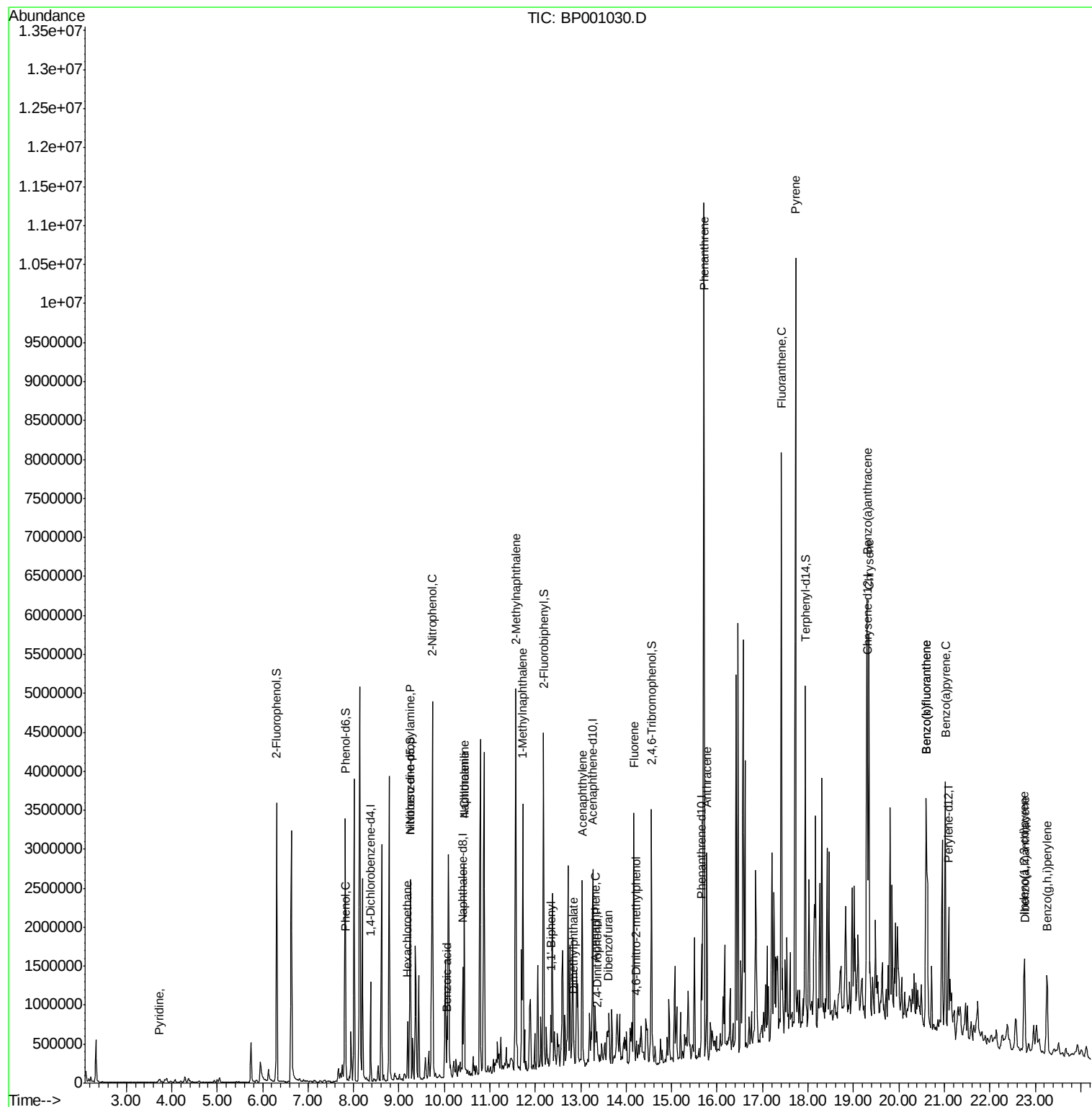
						Qvalue
3) Pyridine	3.73	79	34558	2.317	ng	# 39
10) Phenol	7.83	94	111488	6.211	ng	94
18) Hexachloroethane	9.19	117	126723	19.839	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	138862	14.092	ng	# 79
26) 2-Nitrophenol	9.74	139	16017	2.842	ng	# 1
31) Naphthalene	10.44	128	1499678	36.105	ng	100
32) Benzoic acid	10.05	122	3241	8.095	ng	# 1
33) 4-Chloroaniline	10.44	127	204261	11.468	ng	# 37
37) 2-Methylnaphthalene	11.57	142	1447124	49.776	ng	96
38) 1-Methylnaphthalene	11.73	142	1139661	41.487	ng	100
46) 1,1'-Biphenyl	12.34	154	294113	8.655	ng	99
49) Acenaphthylene	13.03	152	1181728	28.416	ng	99
50) Dimethylphthalate	12.85	163	161962	4.820	ng	# 96
52) Acenaphthene	13.32	154	176077	7.079	ng	99
54) 2,4-Dinitrophenol	13.37	184	150	8.370	ng	# 1
55) Dibenzofuran	13.60	168	180426	4.644	ng	99
58) Fluorene	14.17	166	1179237	38.140	ng	99
65) 4,6-Dinitro-2-methylphenol	14.22	198	216	9.944	ng	# 1
71) Phenanthrene	15.71	178	6785572	151.858	ng	97
72) Anthracene	15.78	178	1331112	30.538	ng	100
75) Fluoranthene	17.42	202	3899261	77.204	ng	99
78) Pyrene	17.73	202	5887058	124.410	ng	98
81) Benzo(a)anthracene	19.29	228	2792443	61.922	ng	94
83) Chrysene	19.35	228	2575202	65.045	ng	99
86) Indeno(1,2,3-cd)pyrene	22.76	276	930878	17.184	ng	# 94
88) Benzo(b)fluoranthene	20.60	252	2875524	60.399	ng	99
89) Benzo(k)fluoranthene	20.60	252	2875524	64.163	ng	99
90) Benzo(a)pyrene	21.02	252	1719101	39.269	ng	97
91) Dibenzo(a,h)anthracene	22.77	278	292039	6.536	ng	97
92) Benzo(g,h,i)perylene	23.26	276	979549	21.773	ng	98

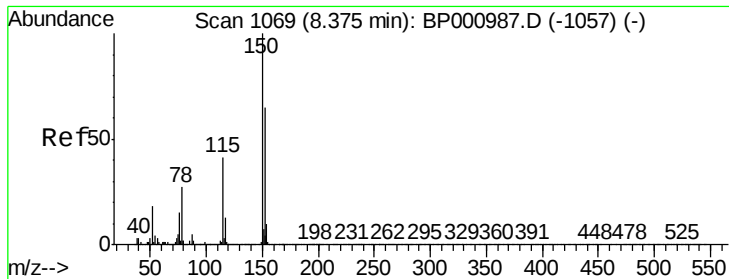
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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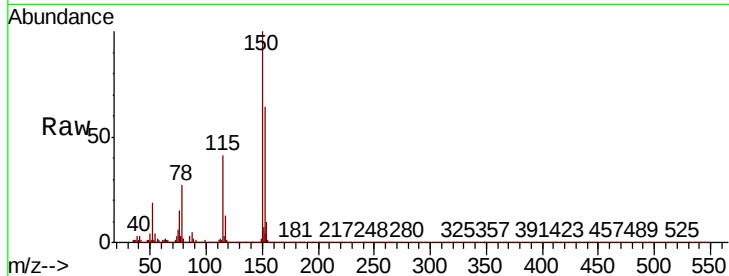




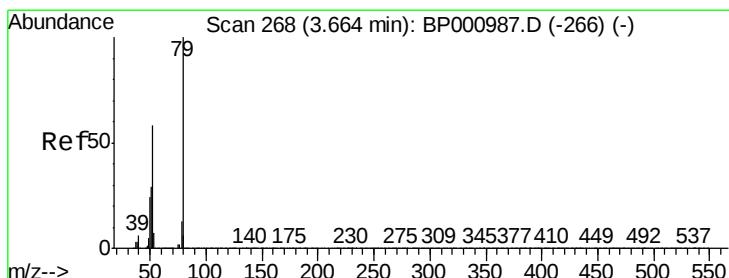
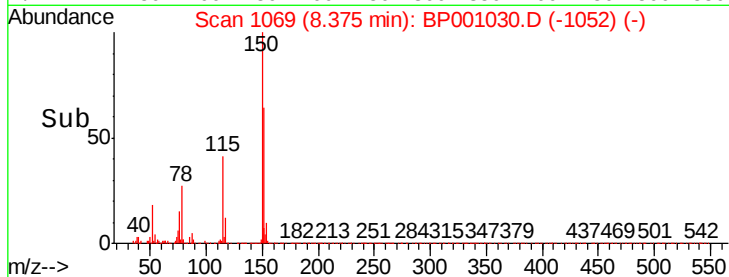
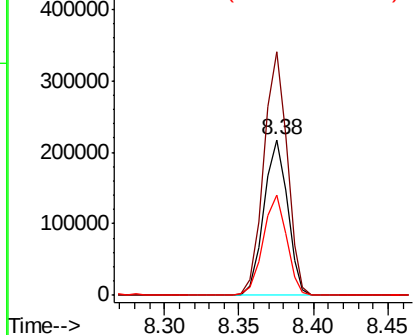
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.38 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.6	185.4
115	64.0	50.1	75.1

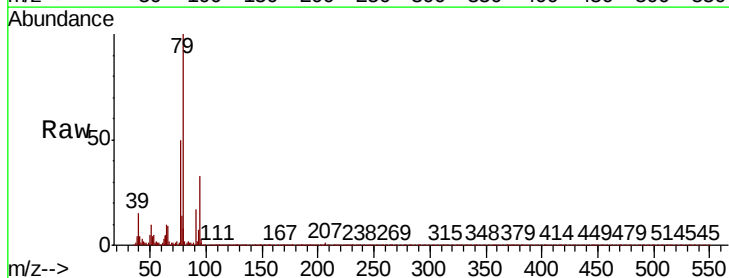


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

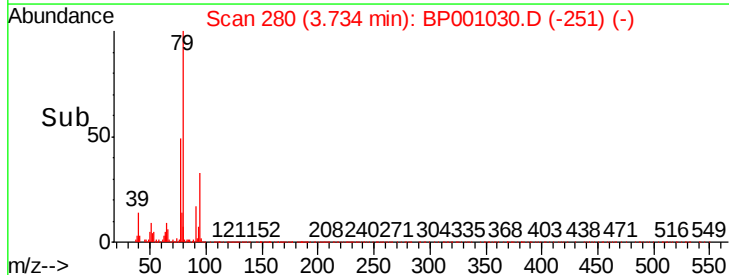
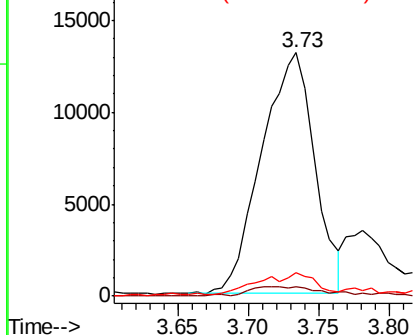


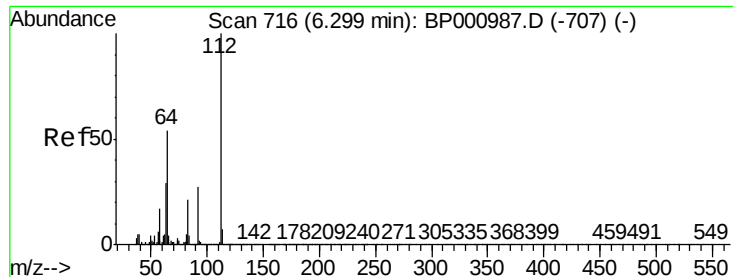
#3
 Pyridine
 Concen: 2.317 ng
 RT: 3.73 min Scan# 280
 Delta R.T. 0.07 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
79	100		
52	4.0	46.4	69.6#
51	9.5	23.4	35.0#



Abundance Ion 79.00 (78.70 to 79.70): BP0
 Ion 52.00 (51.70 to 52.70): BP0
 Ion 51.00 (50.70 to 51.70): BP0





#5

2-Fluorophenol

Concen: 99.696 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampleId :

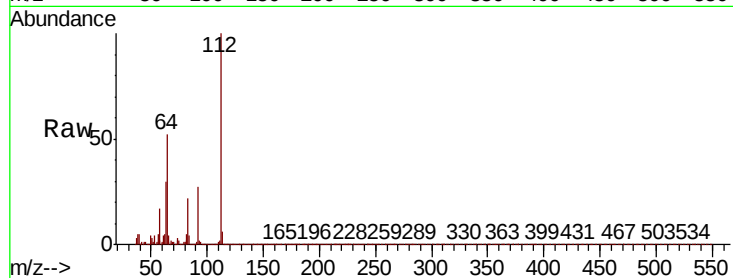
Tot Ion:112 Resp: 1293745

Ion Ratio Lower Upper

112 100

64 52.4 43.4 65.0

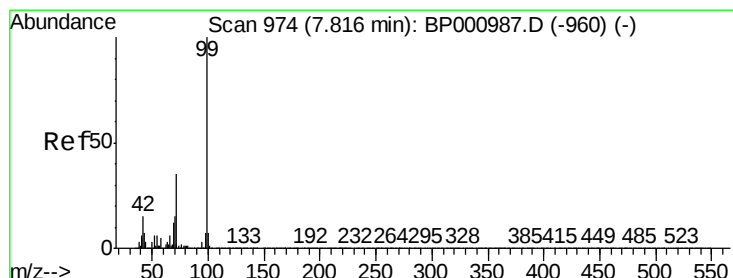
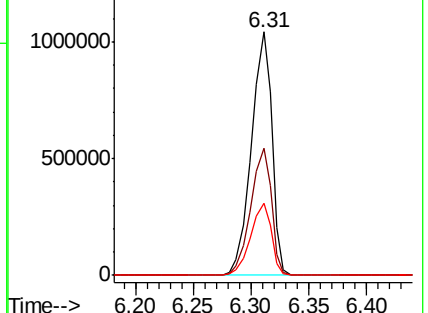
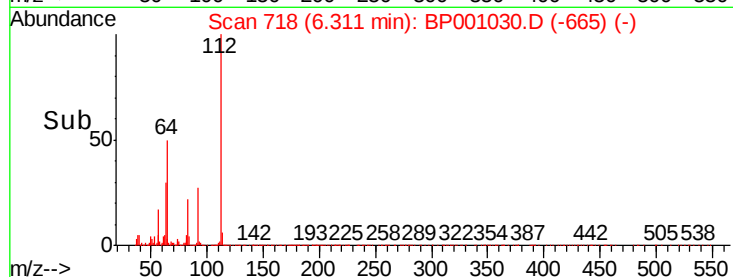
63 29.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#7

Phenol-d6

Concen: 102.855 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

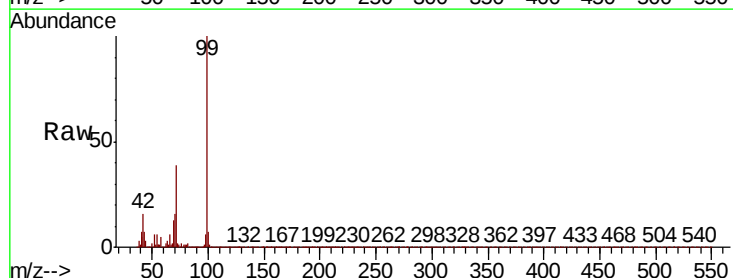
Tgt Ion: 99 Resp: 1687853

Ion Ratio Lower Upper

99 100

42 15.5 11.6 17.4

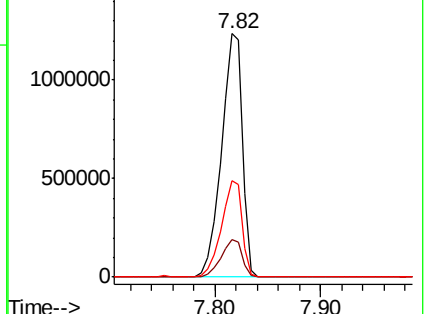
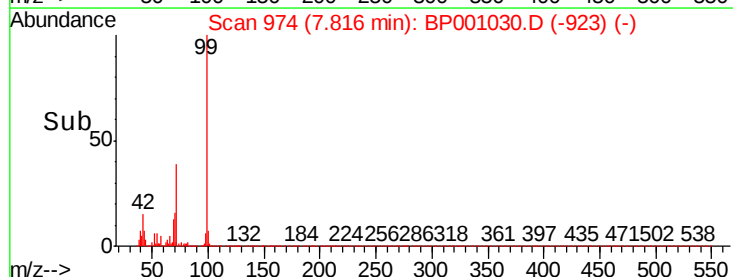
71 39.4 28.0 42.0

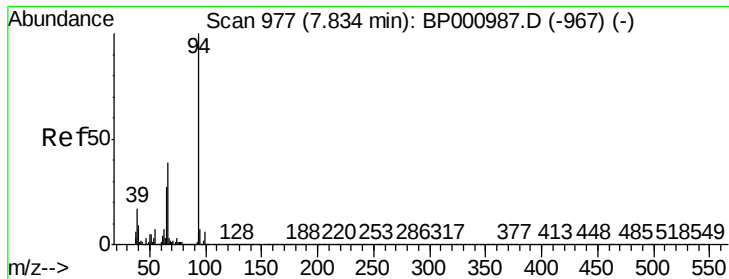


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

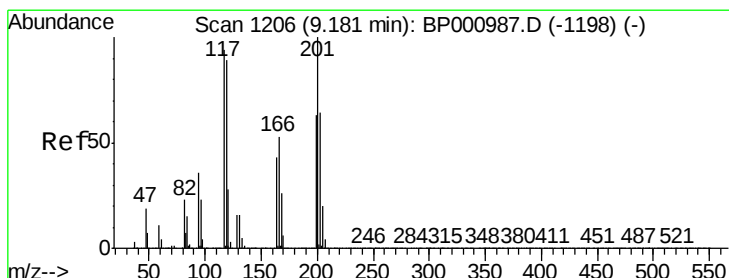
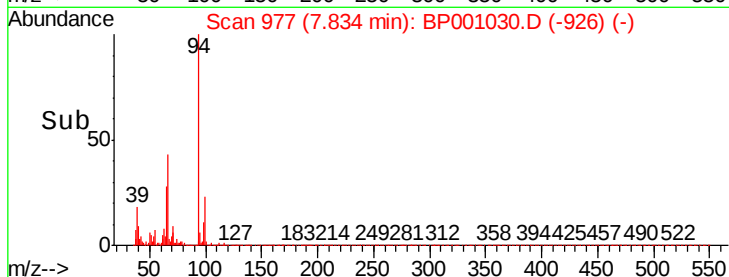
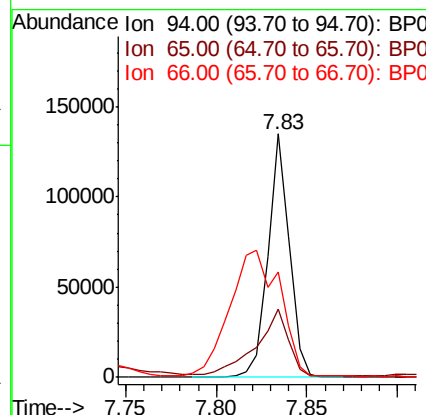
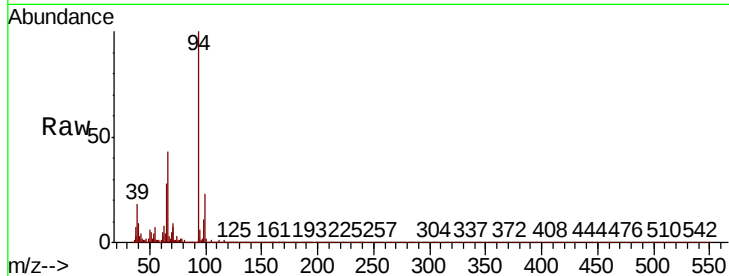




#10
Phenol
Concen: 6.211 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

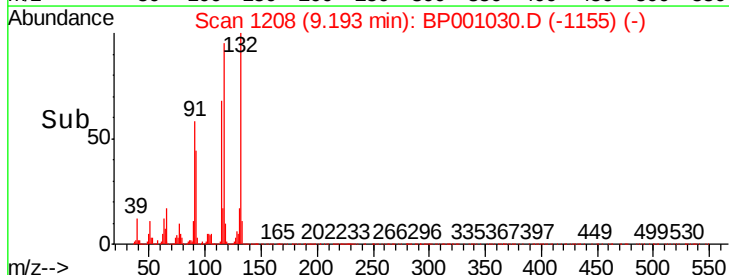
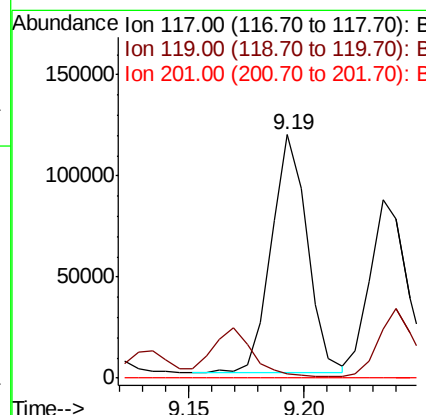
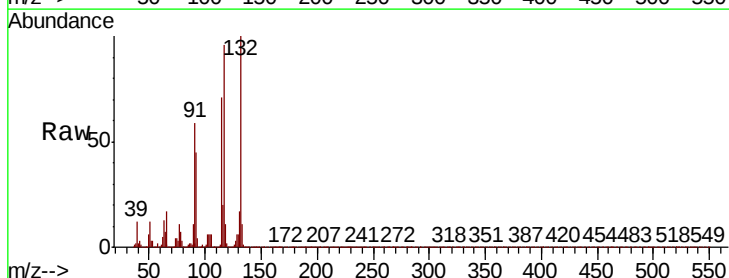
Instrument :
BNA_P
ClientSampleId :

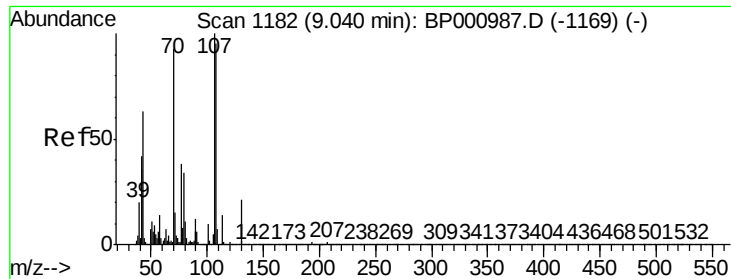
Tot Ion: 94 Resp: 111488
Ion Ratio Lower Upper
94 100
65 28.0 6.7 46.7
66 43.3 18.6 58.6



#18
Hexachloroethane
Concen: 19.839 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion: 117 Resp: 126723
Ion Ratio Lower Upper
117 100
119 1.6 75.5 113.3#
201 0.0 84.9 127.3#

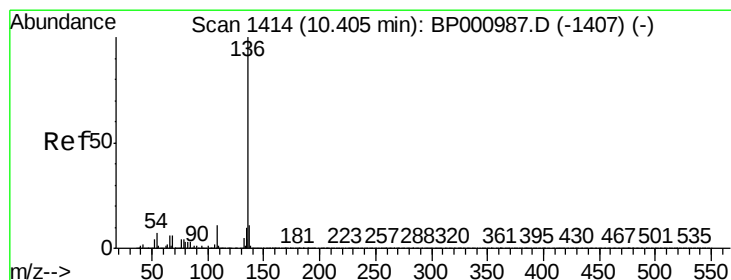
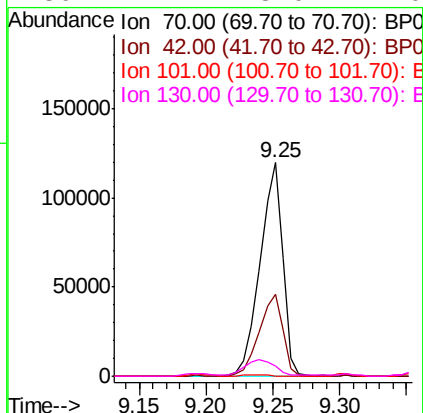
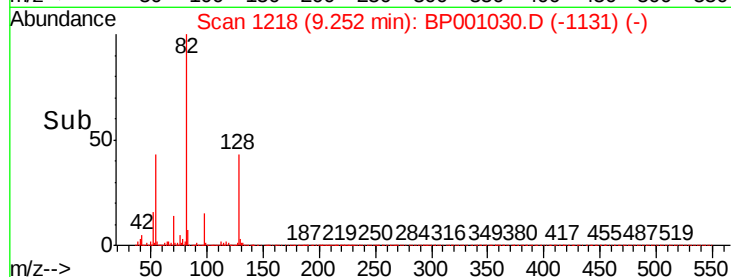
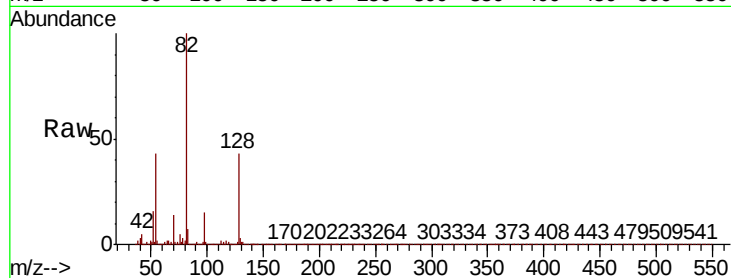




#19
n-Nitroso-di-n-propylamine
Concen: 14.092 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.21 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

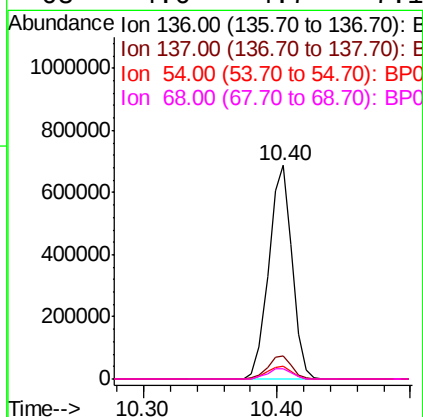
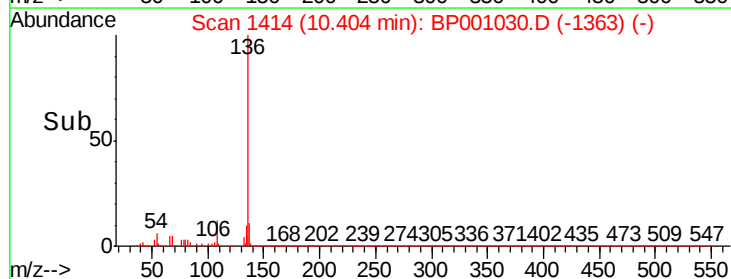
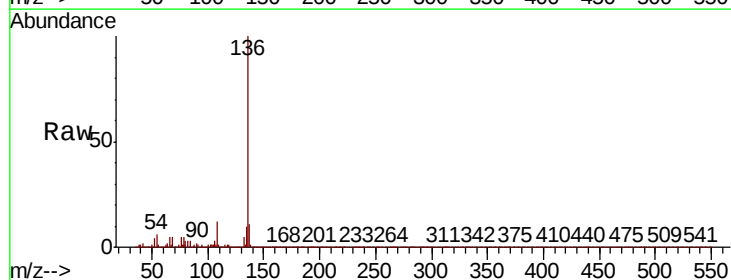
Instrument :
BNA_P
ClientSampleId :

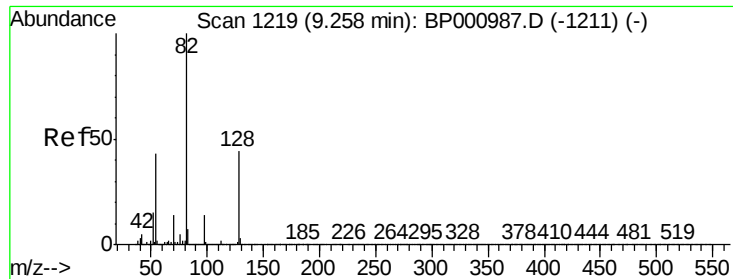
Tot Ion: 70 Resp: 138862
Ion Ratio Lower Upper
70 100
42 38.4 36.3 54.5
101 0.2 8.7 13.1#
130 4.7 18.0 27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion: 136 Resp: 831360
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 6.2 5.4 8.2
68 4.6 4.7 7.1#

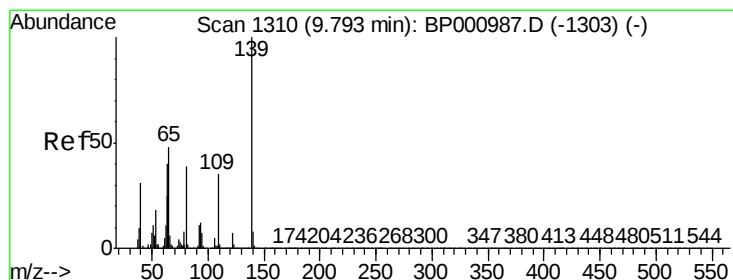
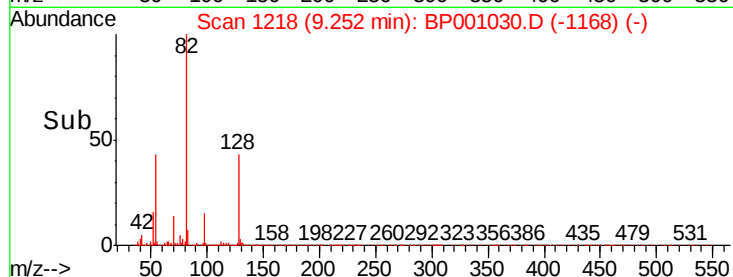
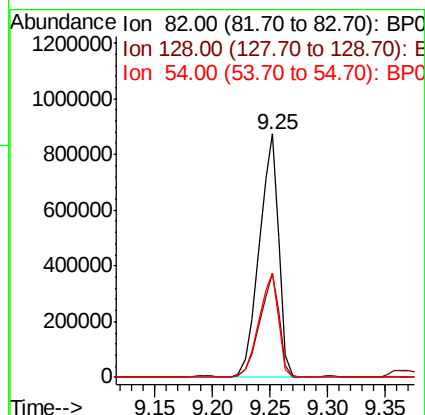
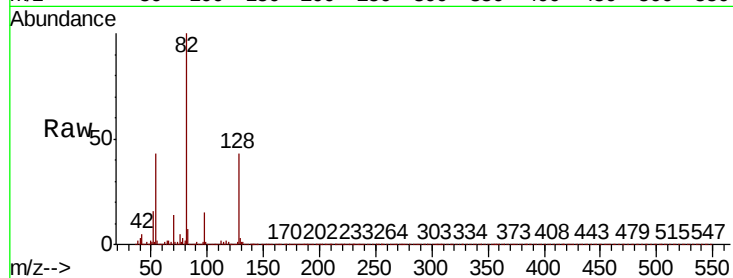




#23
Nitrobenzene-d5
Concen: 68.193 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

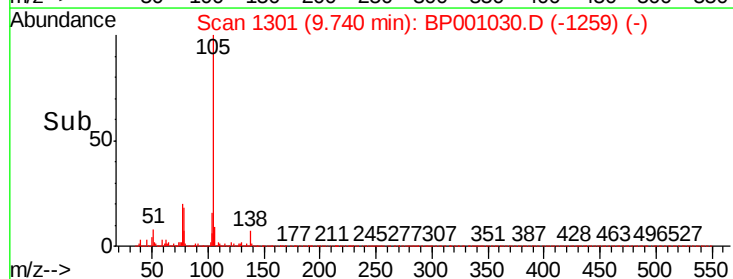
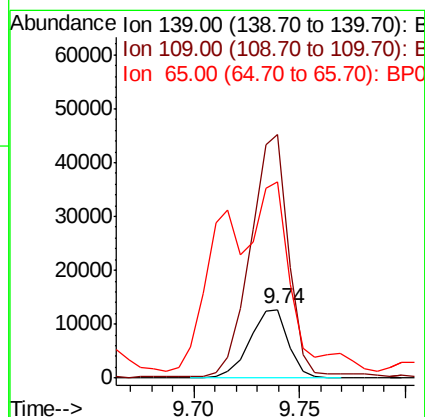
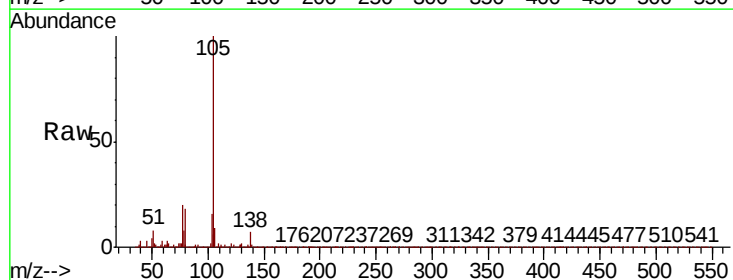
Instrument :
BNA_P
ClientSampled :

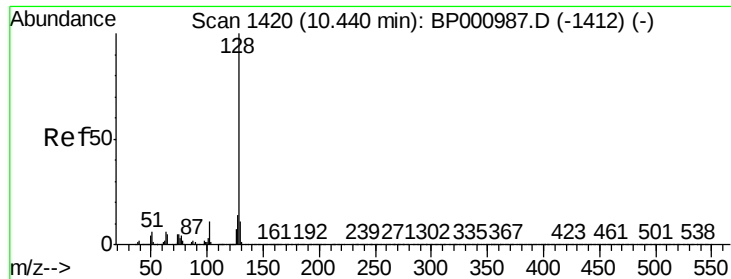
Tot Ion: 82 Resp: 1024881
Ion Ratio Lower Upper
82 100
128 43.0 35.3 52.9
54 42.9 34.3 51.5



#26
2-Nitrophenol
Concen: 2.842 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:139 Resp: 16017
Ion Ratio Lower Upper
139 100
109 355.6 27.7 41.5#
65 286.5 38.2 57.4#

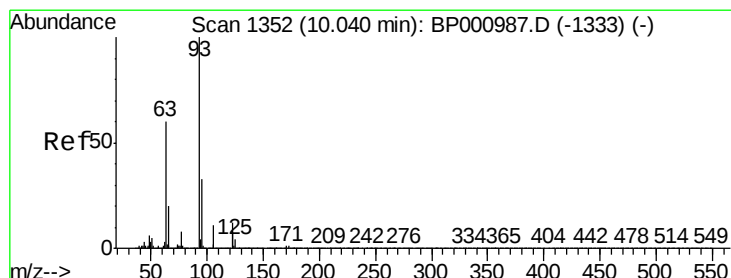
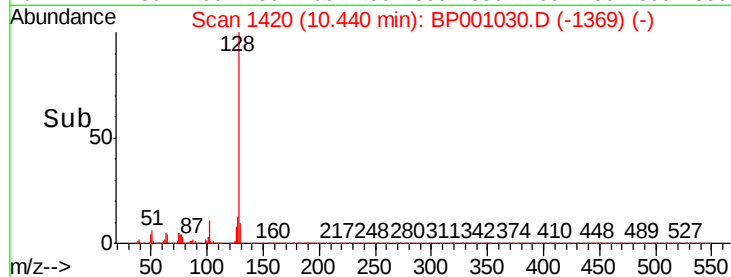
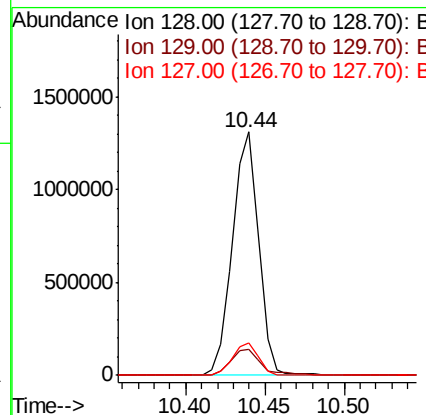
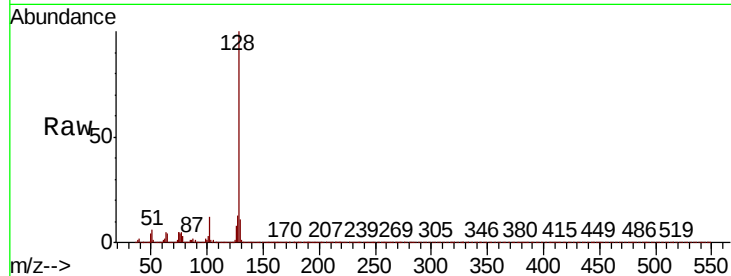




#31
Naphthalene
Concen: 36.105 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

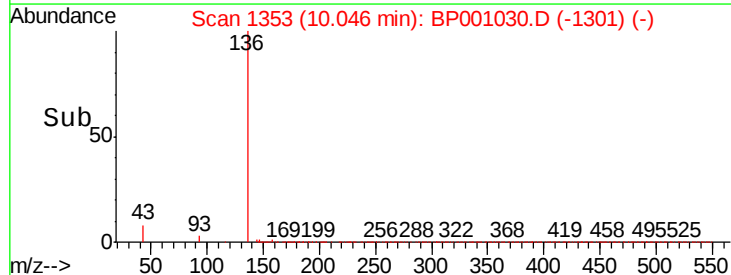
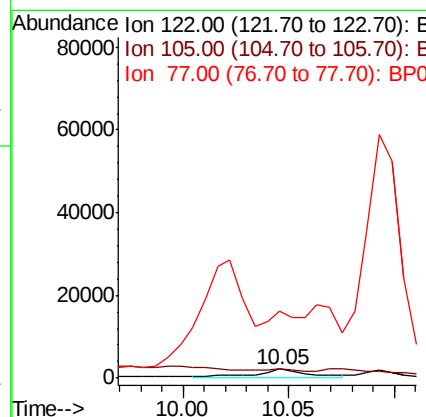
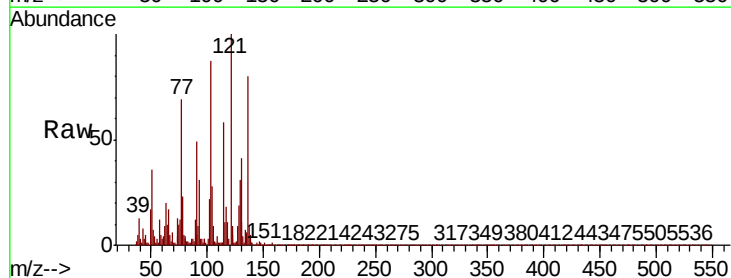
Instrument :
BNA_P
ClientSampleId :

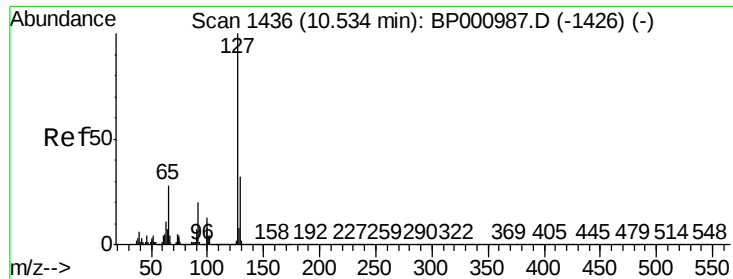
Tot Ion:128 Resp: 1499678
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 8.095 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:122 Resp: 3241
Ion Ratio Lower Upper
122 100
105 102.6 110.5 150.5#
77 753.4 77.9 117.9#

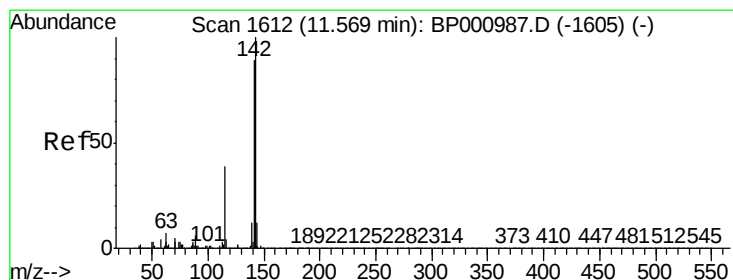
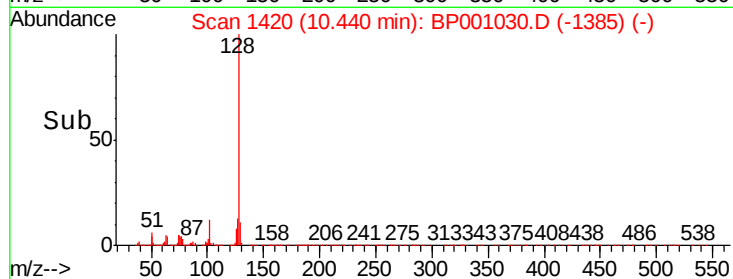
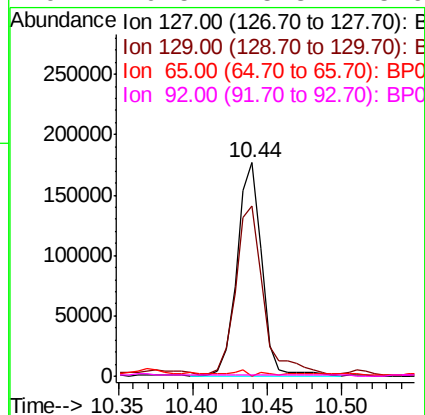
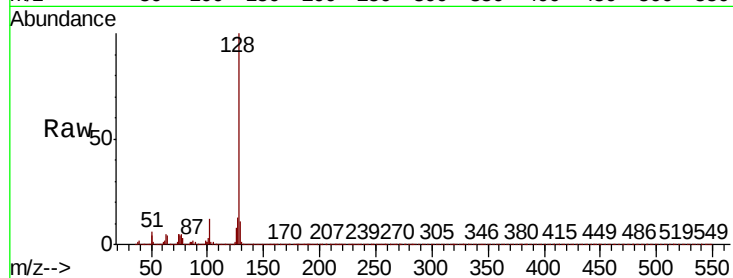




#33
4-Chloroaniline
Concen: 11.468 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.09 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

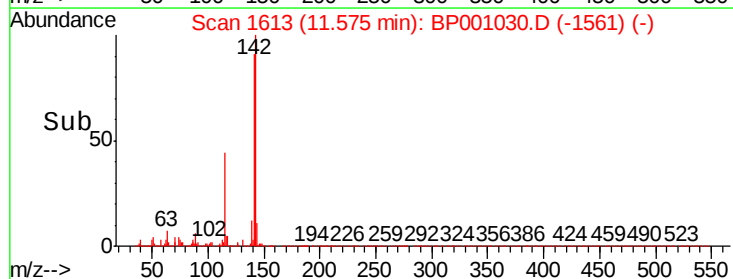
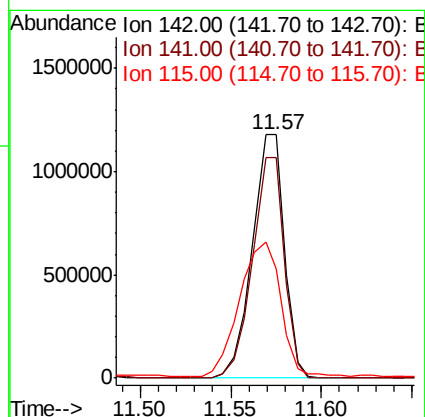
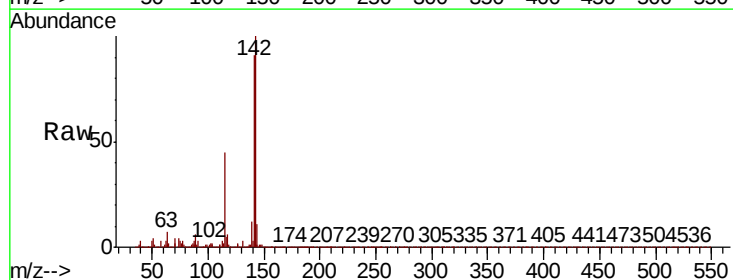
Instrument :
BNA_P
ClientSampled :

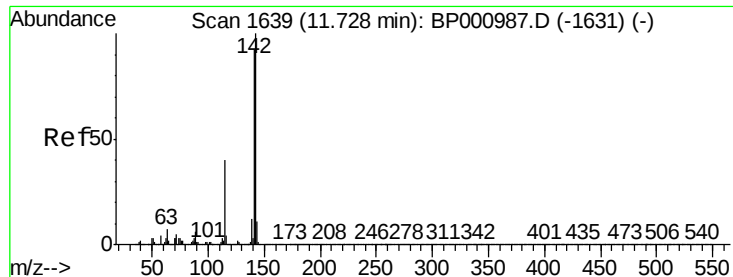
Tot Ion	Ratio	Lower	Upper
127	100		
129	79.7	25.8	38.6#
65	0.0	22.7	34.1#
92	0.5	15.8	23.6#



#37
2-Methylnaphthalene
Concen: 49.776 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.5	107.3
115	44.9	30.8	46.2

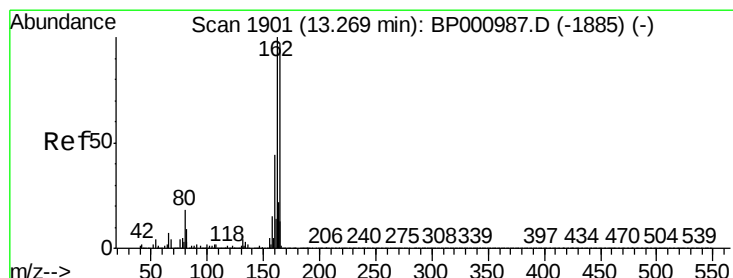
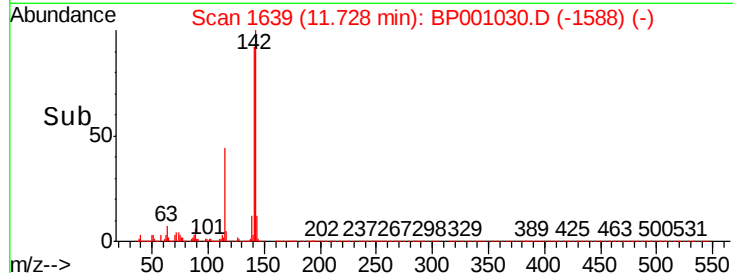
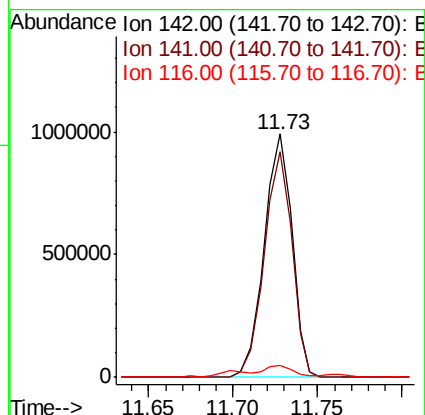
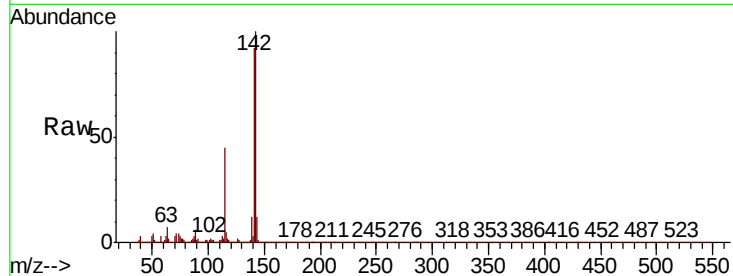




#38
1-Methylnaphthalene
Concen: 41.487 ng
RT: 11.73 min Scan# 1639
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

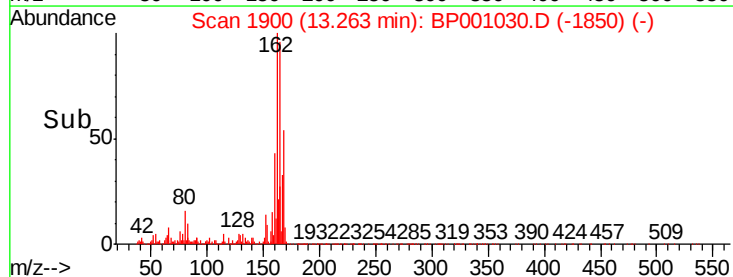
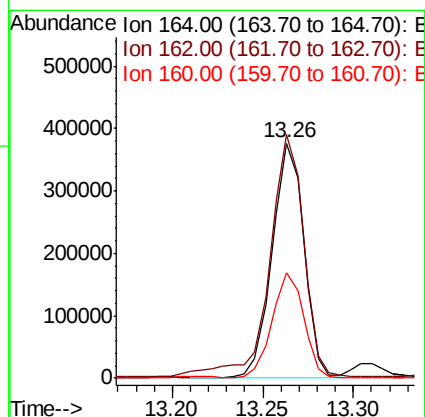
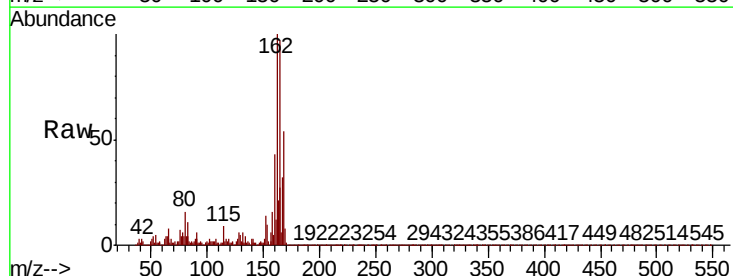
Instrument :
BNA_P
ClientSampleId :

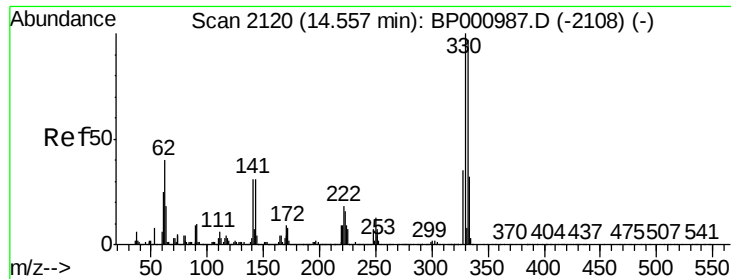
Tot Ion:142 Resp: 1139661
Ion Ratio Lower Upper
142 100
141 92.4 73.9 110.9
116 4.8 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:164 Resp: 454450
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 44.8 36.5 54.7

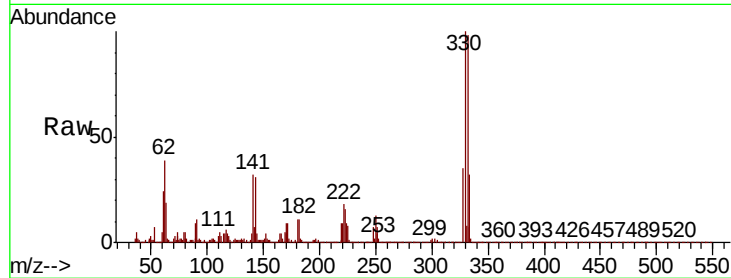




#42
2,4,6-Tribromophenol
Concen: 101.036 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.3	117.5
141	34.2	25.0	37.4

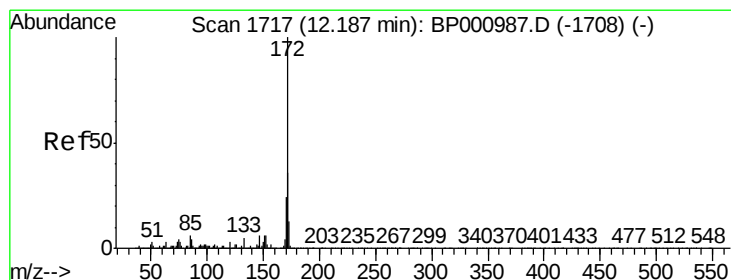
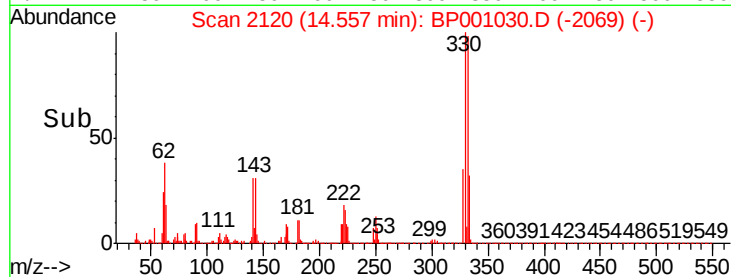
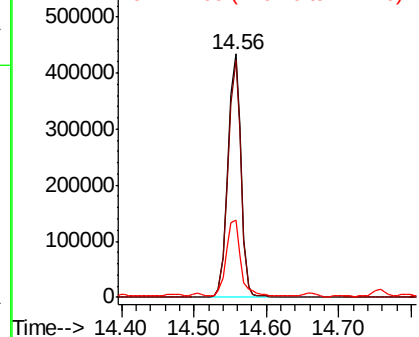


Abundance

Ion 329.80 (329.50 to 330.50): E

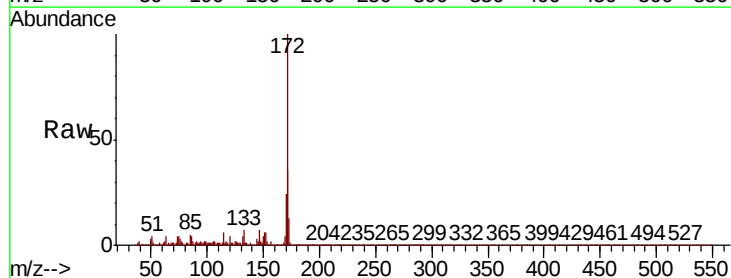
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 50.121 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.9	18.9	28.3

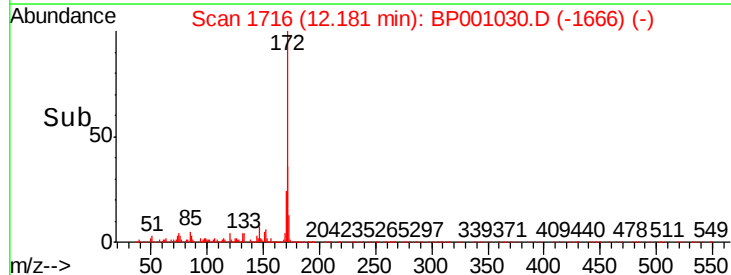
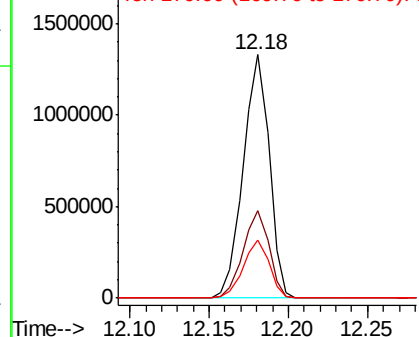


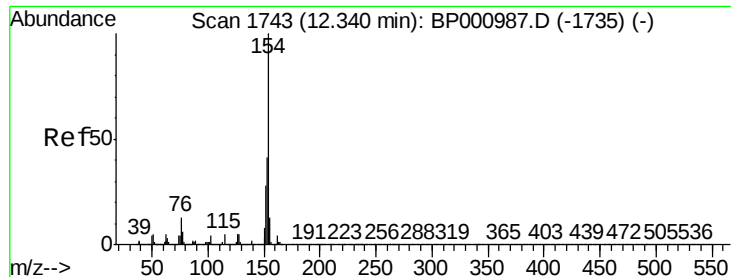
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 8.655 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.00 min

Lab File: BP001030.D

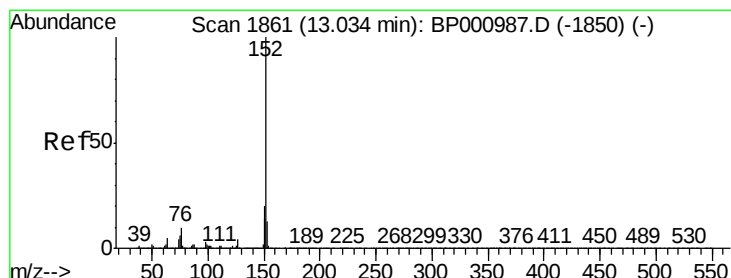
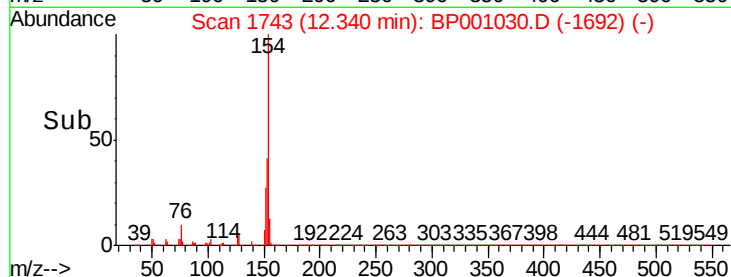
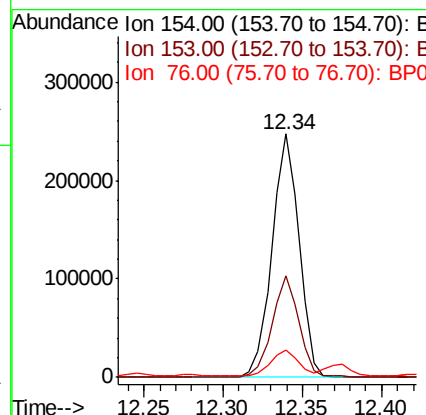
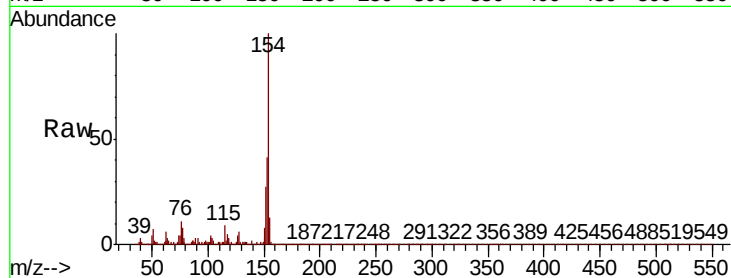
Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	154	Resp:	294113
Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	11.2	0.0	32.5



#49

Acenaphthylene

Concen: 28.416 ng

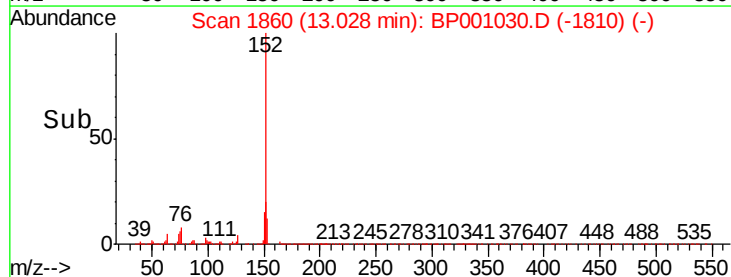
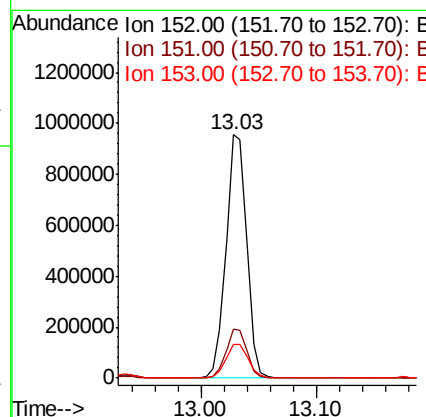
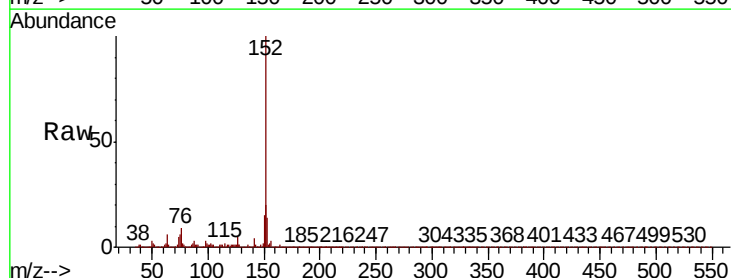
RT: 13.03 min Scan# 1860

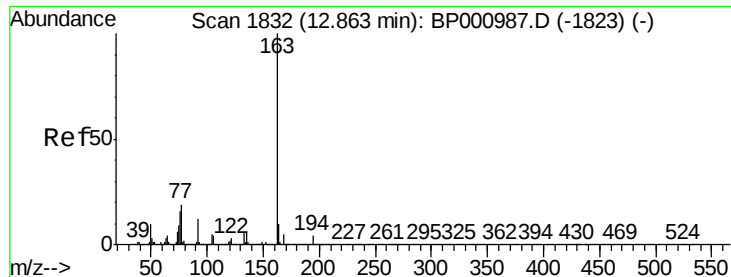
Delta R.T. -0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Tgt Ion:	152	Resp:	1181728
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	14.0	10.6	16.0

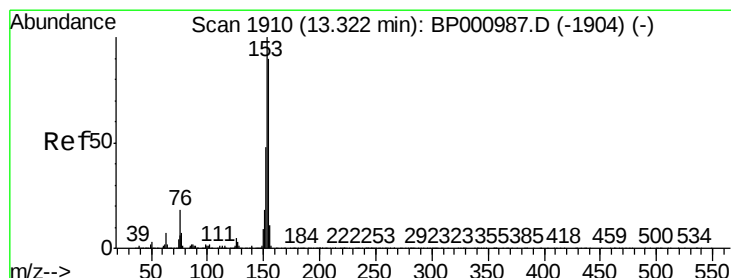
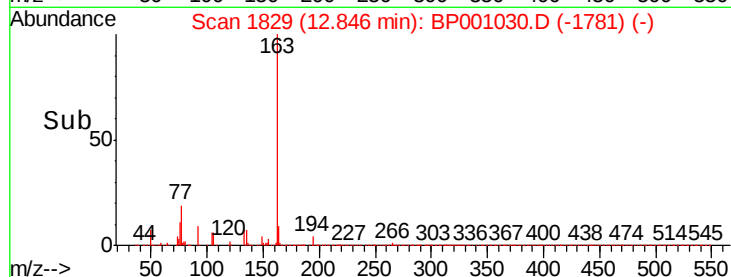
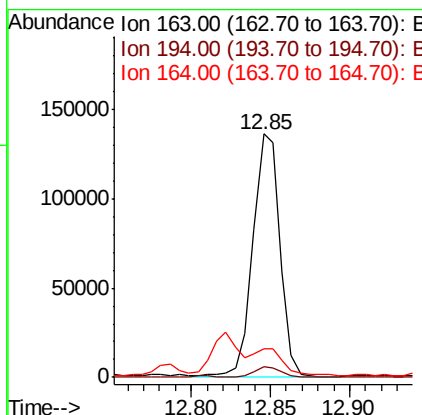
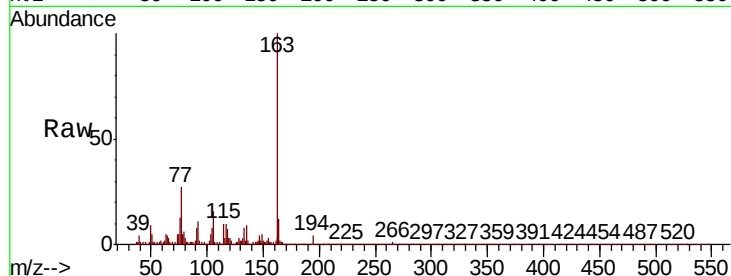




#50
Dimethylphthalate
Concen: 4.820 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

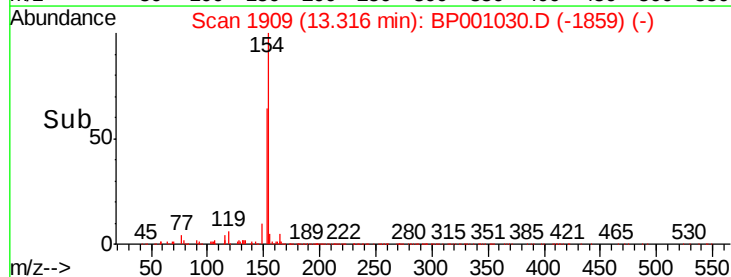
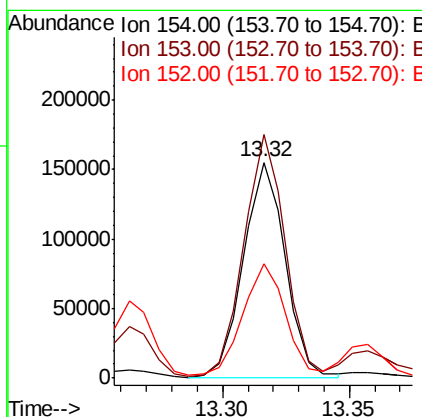
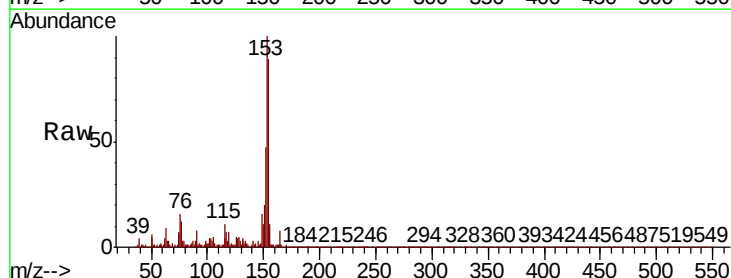
Instrument :
BNA_P
ClientSampleId :

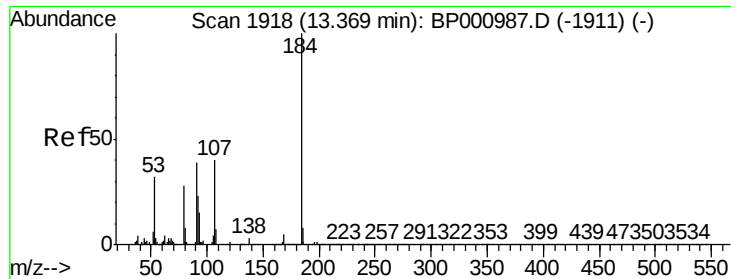
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	11.9	7.9	11.9#



#52
Acenaphthene
Concen: 7.079 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.9	133.3
152	53.0	42.4	63.6

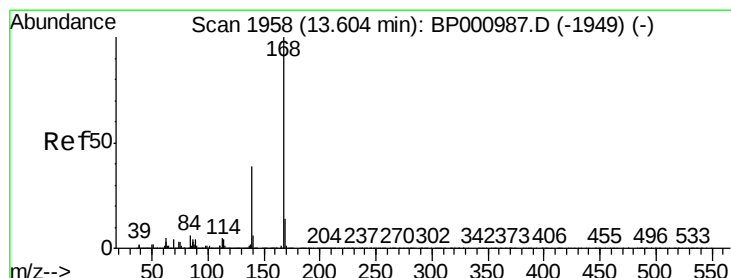
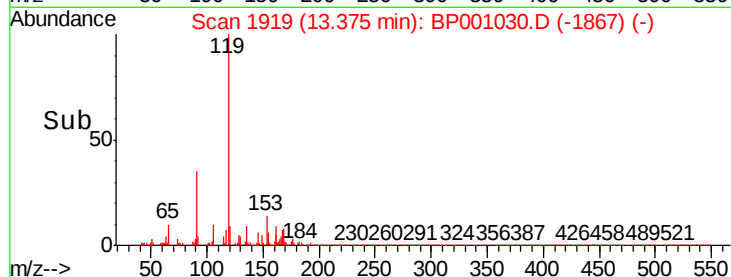
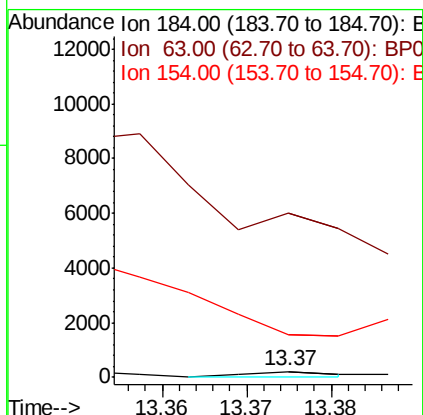
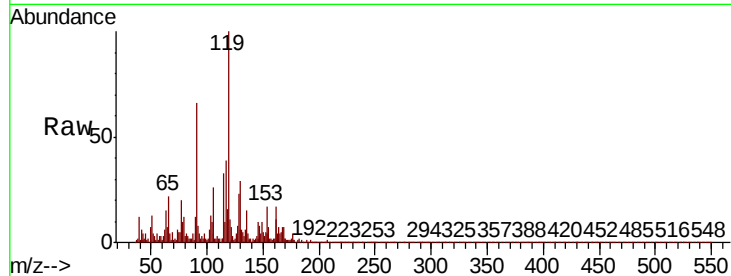




#54
2,4-Dinitrophenol
Concen: 8.370 ng
RT: 13.37 min Scan# 1919
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

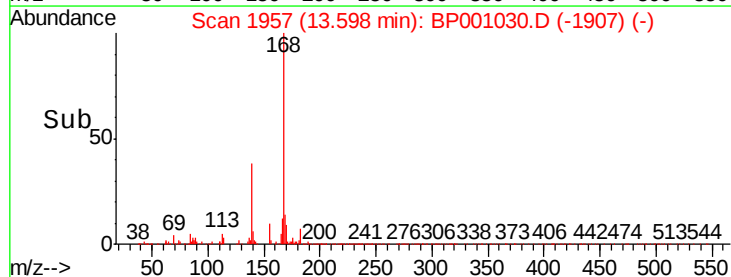
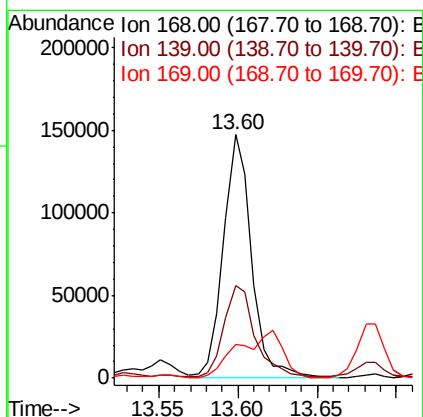
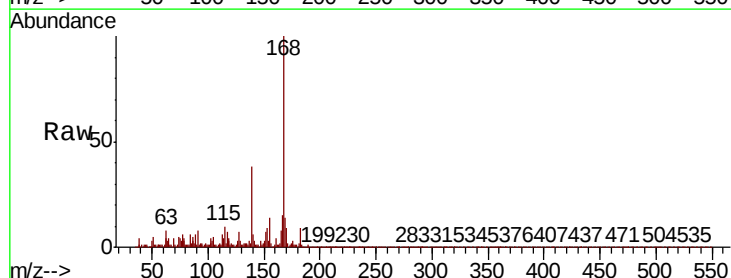
Instrument :
BNA_P
ClientSampled :

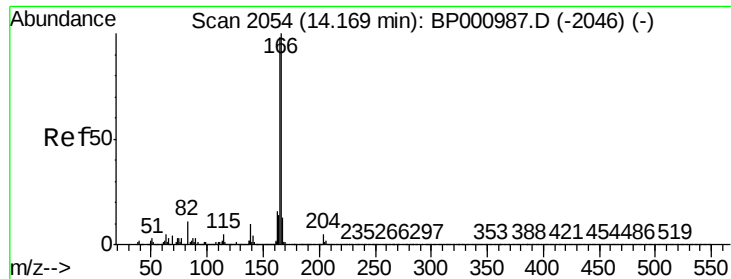
Tot Ion:184 Resp: 150
Ion Ratio Lower Upper
184 100
63 2883.3 41.0 61.6#
154 756.5 48.1 72.1#



#55
Dibenzofuran
Concen: 4.644 ng
RT: 13.60 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:168 Resp: 180426
Ion Ratio Lower Upper
168 100
139 38.1 30.9 46.3
169 14.1 10.9 16.3





#58

Fluorene

Concen: 38.140 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

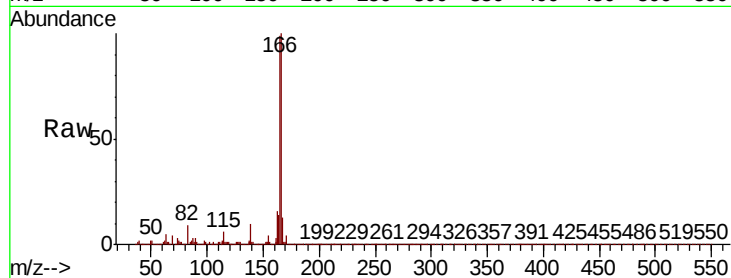
Instrument :

BNA_P

ClientSampleId :

Tot Ion:166 Resp: 1179237

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.2
167	13.3	10.7	16.1

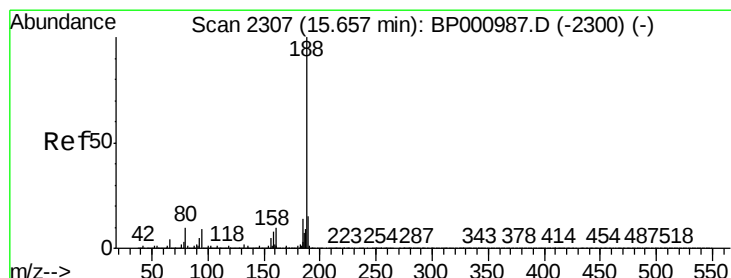
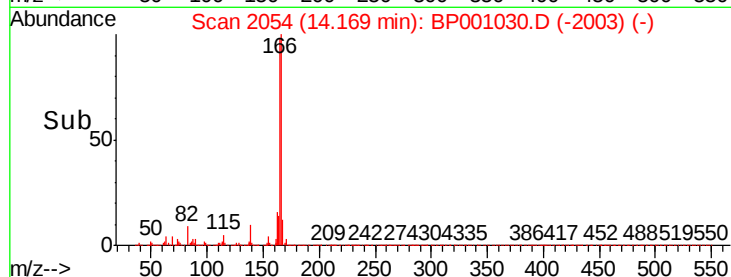
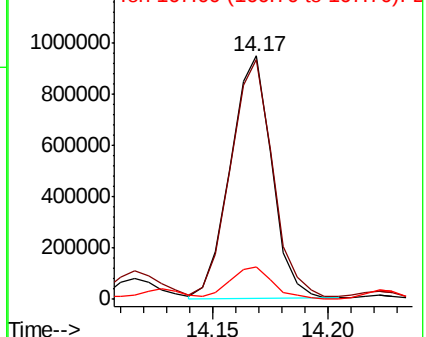


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

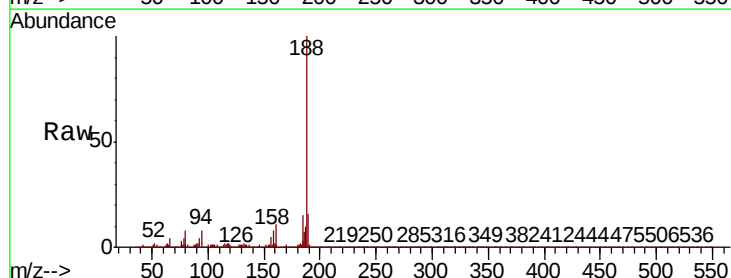
Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Tgt Ion:188 Resp: 873047

Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.4	11.2
80	8.0	7.9	11.9

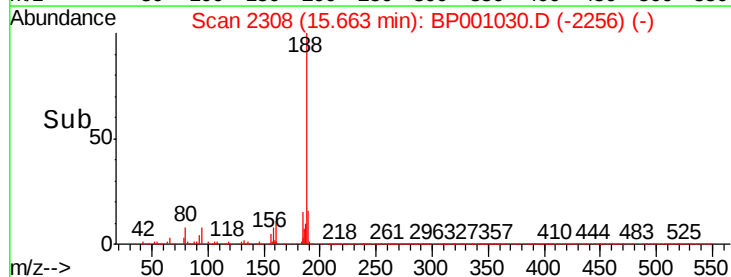
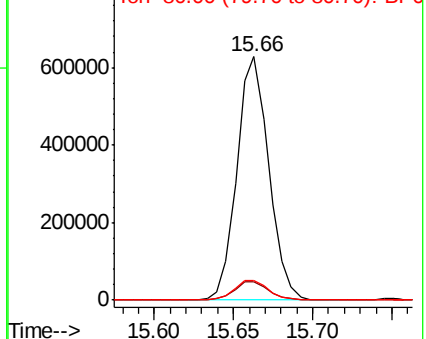


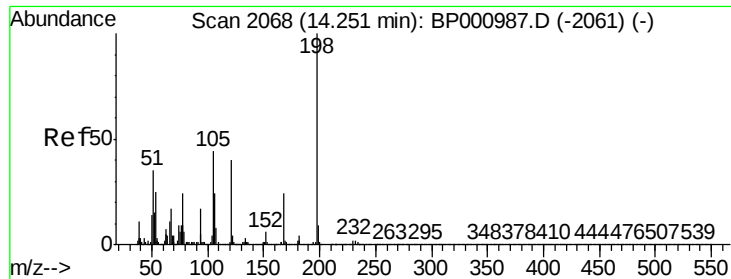
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

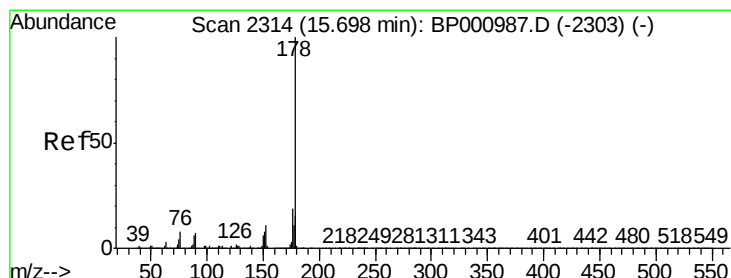
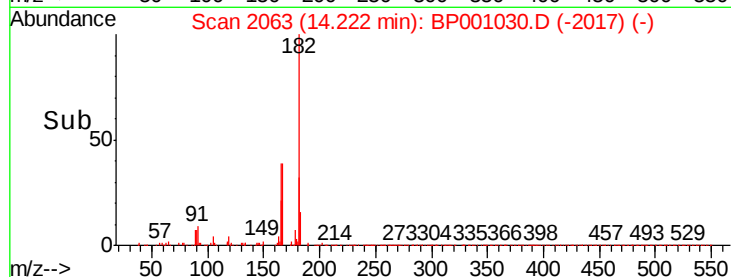
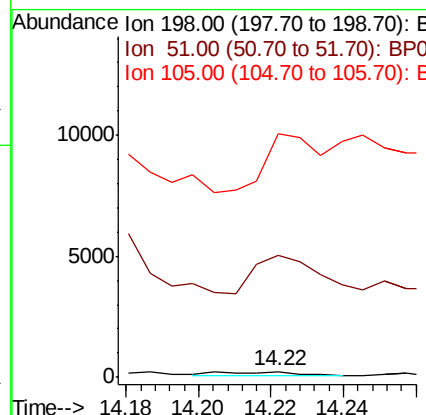
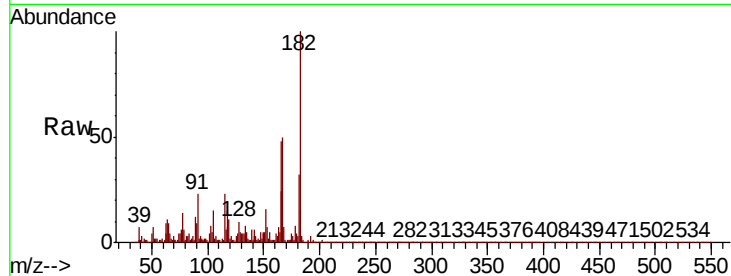




#65
4,6-Dinitro-2-methylphenol
Concen: 9.944 ng
RT: 14.22 min Scan# 2063
Delta R.T. -0.03 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

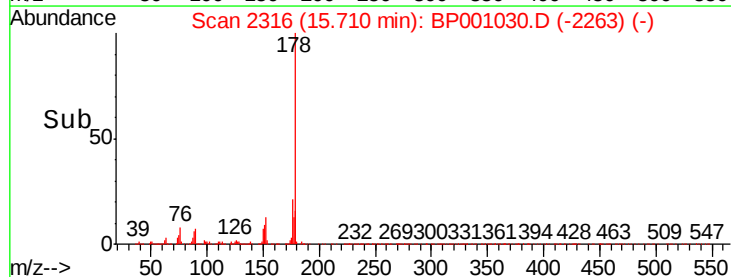
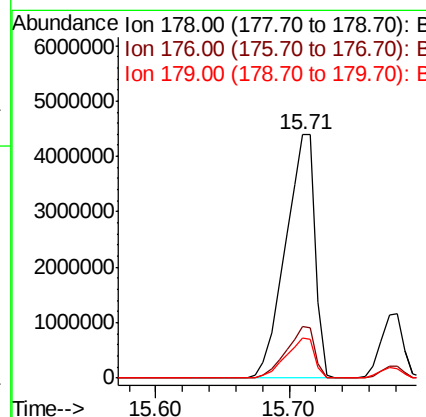
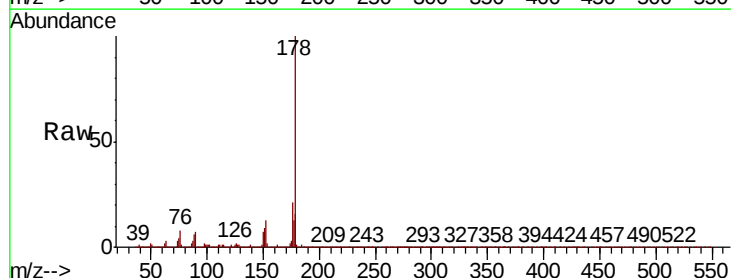
Instrument :
BNA_P
ClientSampleId :

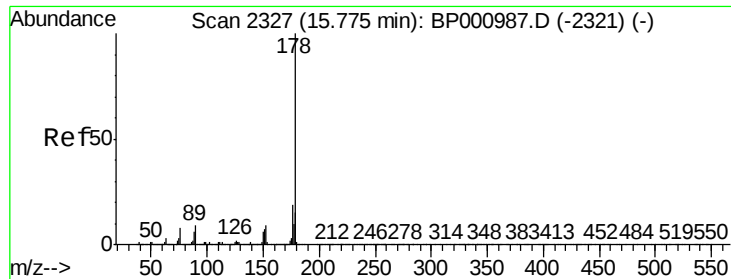
Tot Ion:198 Resp: 216
Ion Ratio Lower Upper
198 100
51 2072.1 16.0 56.0#
105 4121.3 24.9 64.9#



#71
Phenanthrene
Concen: 151.858 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:178 Resp: 6785572
Ion Ratio Lower Upper
178 100
176 21.0 15.5 23.3
179 16.4 12.3 18.5





#72

Anthracene

Concen: 30.538 ng

RT: 15.78 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampled :

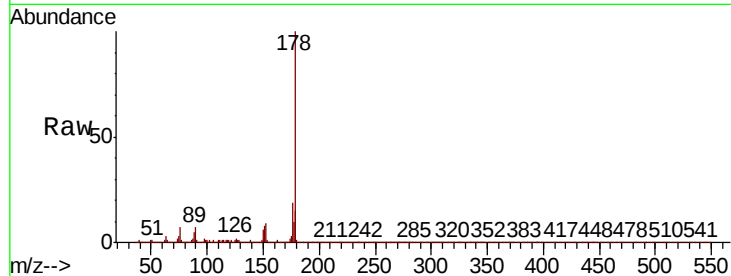
Tot Ion:178 Resp: 1331112

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	12.3	18.5

178 100

176 19.0 15.1 22.7

179 15.5 12.3 18.5

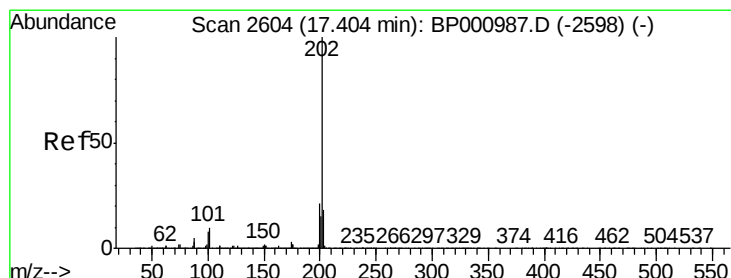
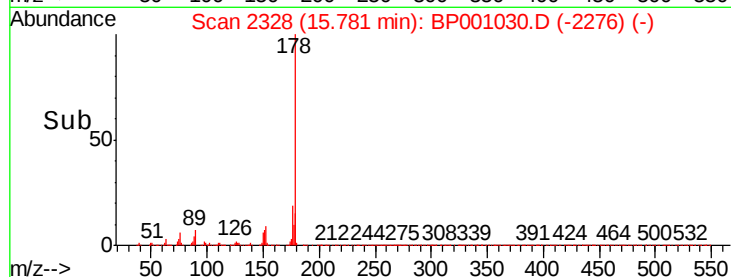
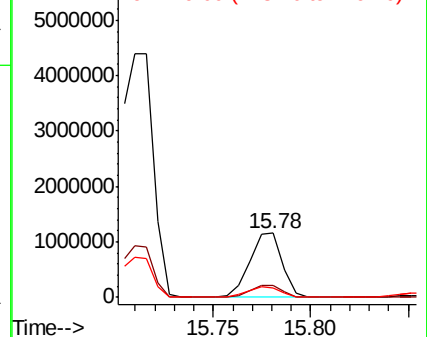


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 77.204 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

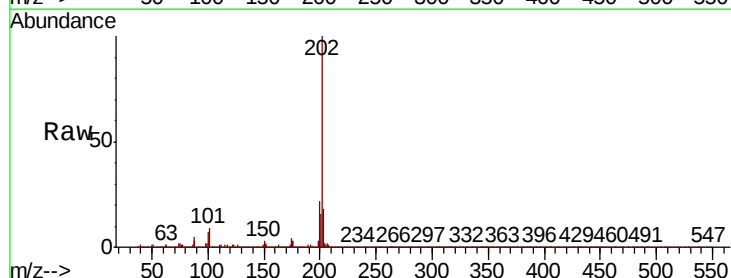
Tgt Ion:202 Resp: 3899261

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.1
203	18.1	0.0	37.7

202 100

101 9.5 0.0 30.1

203 18.1 0.0 37.7

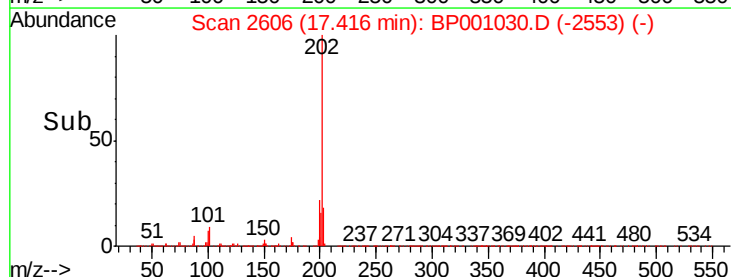
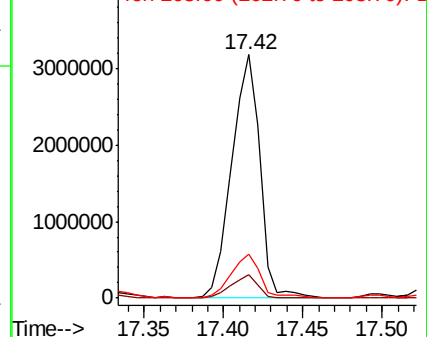


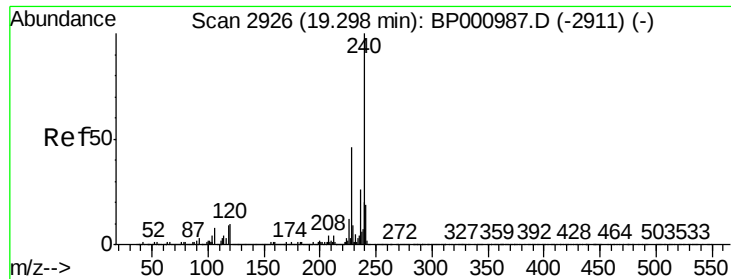
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

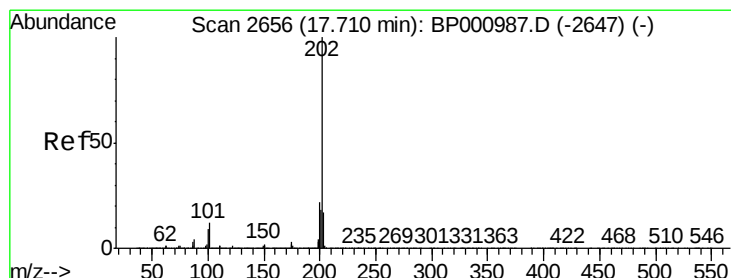
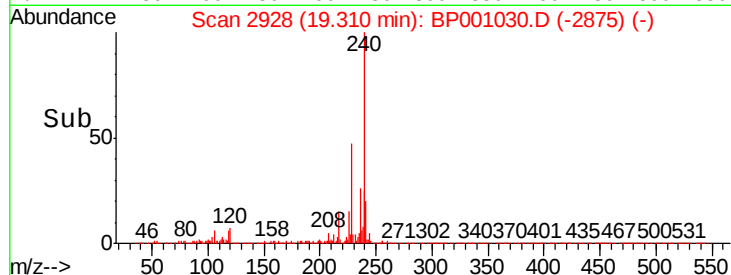
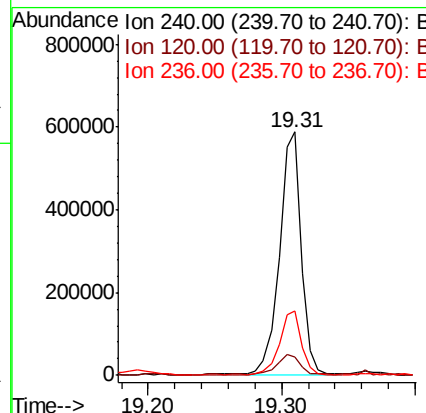
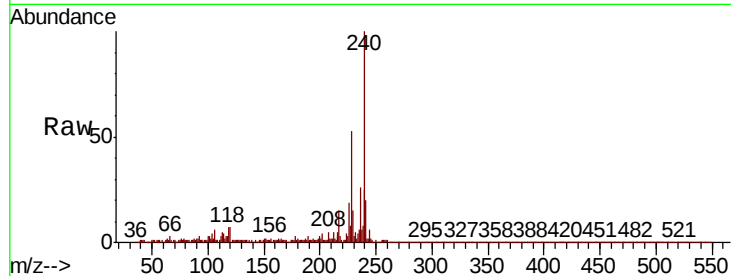




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 19.31 min Scan# 2928
 Delta R.T. 0.01 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

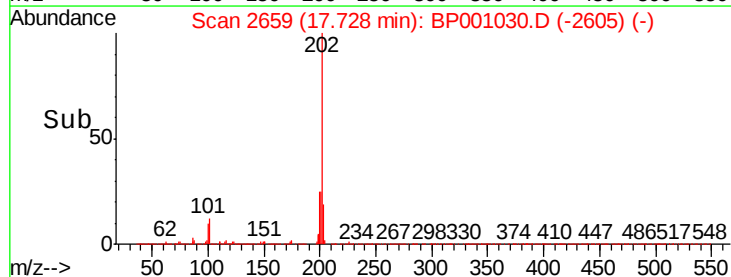
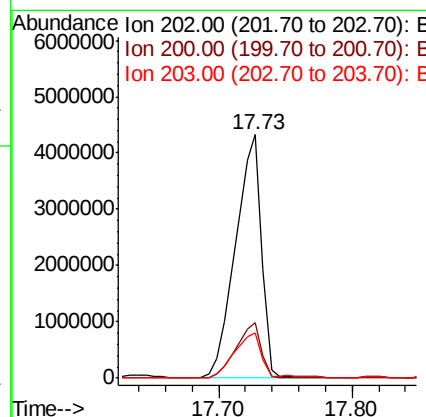
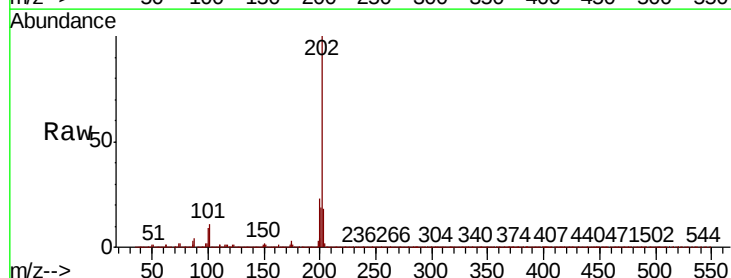
Instrument :
 BNA_P
 ClientSampleId :

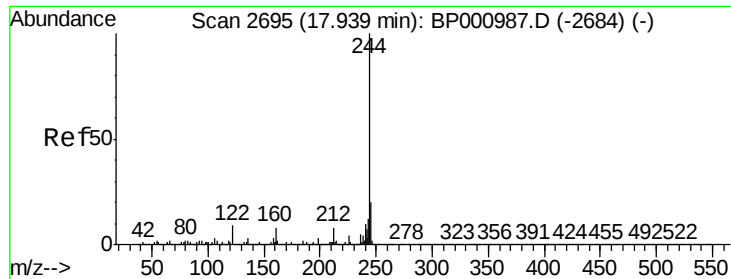
Tot Ion:240 Resp: 669579
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.2 12.2#
 236 26.4 20.5 30.7



#78
 Pyrene
 Concen: 124.410 ng
 RT: 17.73 min Scan# 2659
 Delta R.T. 0.02 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Tgt Ion:202 Resp: 5887058
 Ion Ratio Lower Upper
 202 100
 200 22.8 17.2 25.8
 203 18.5 14.0 21.0





#79

Terphenyl-d14

Concen: 49.934 ng

RT: 17.94 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampleId :

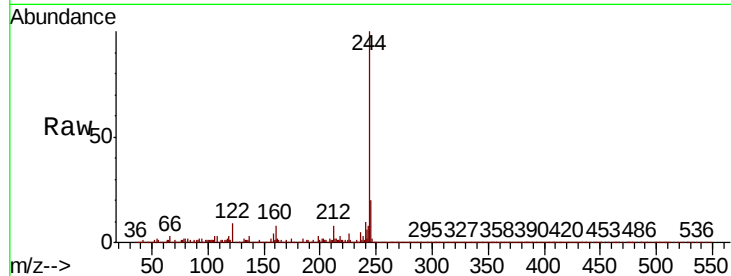
Tot Ion:244 Resp: 1680871

Ion Ratio Lower Upper

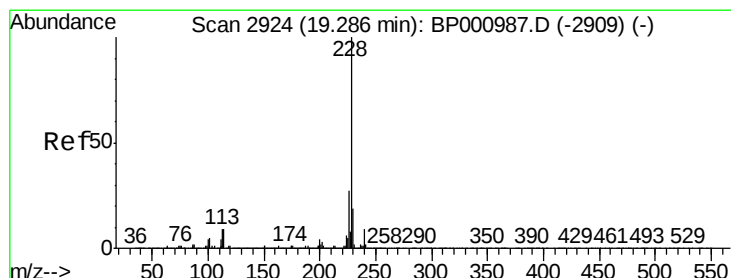
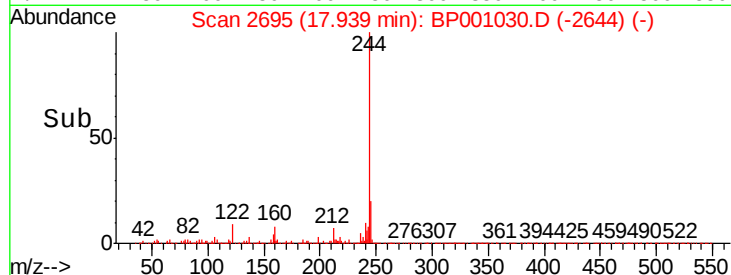
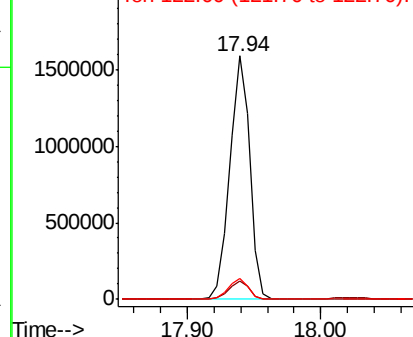
244 100

212 7.7 6.0 9.0

122 8.8 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 61.922 ng

RT: 19.29 min Scan# 2925

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

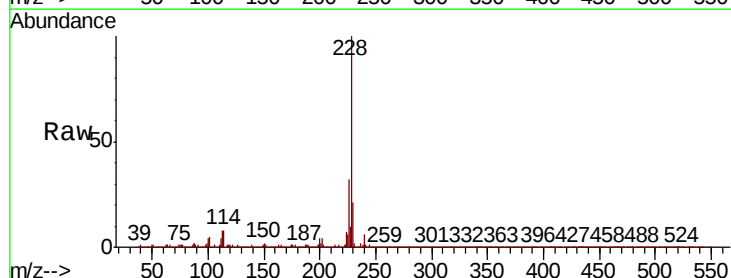
Tgt Ion:228 Resp: 2792443

Ion Ratio Lower Upper

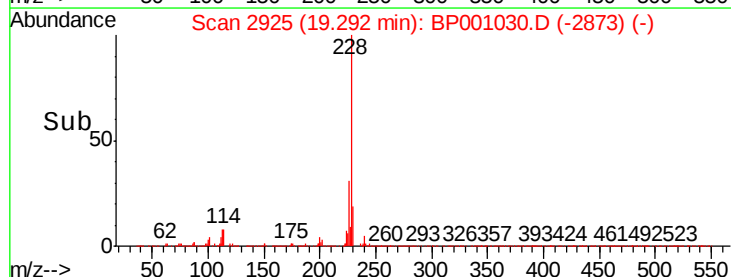
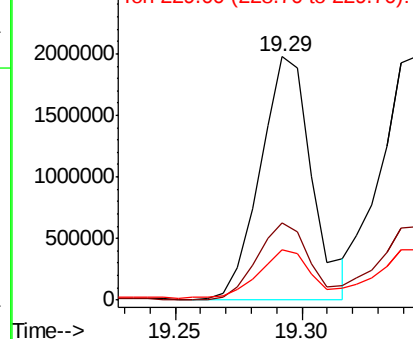
228 100

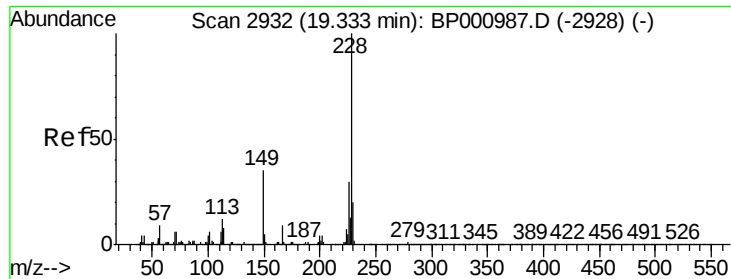
226 31.5 21.8 32.8

229 20.8 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

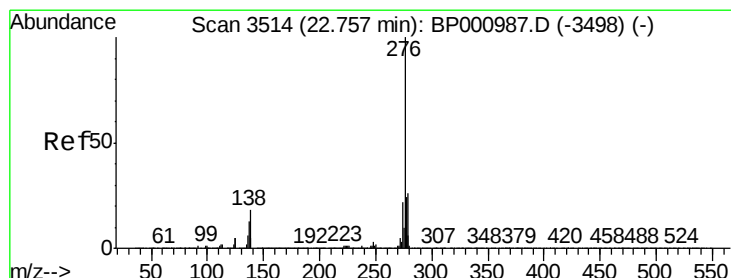
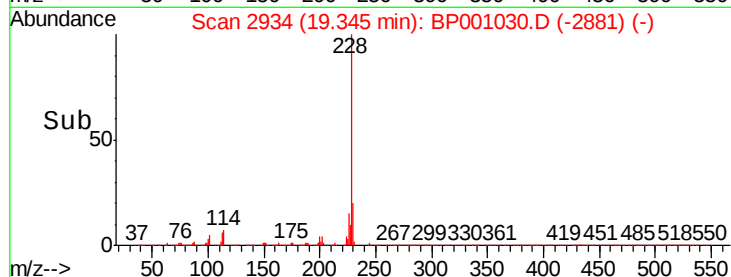
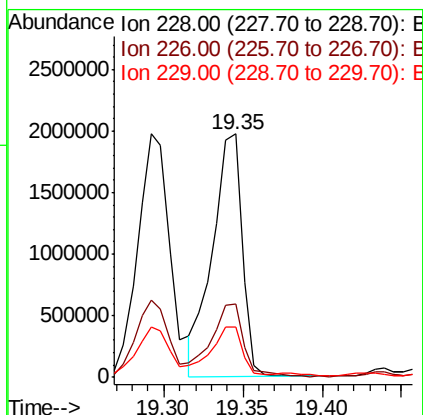
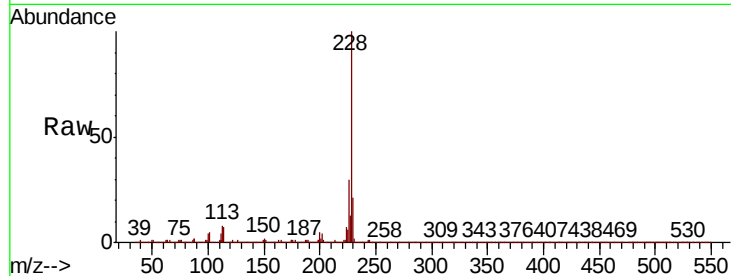




#83
Chrysene
Concen: 65.045 ng
RT: 19.35 min Scan# 2934
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

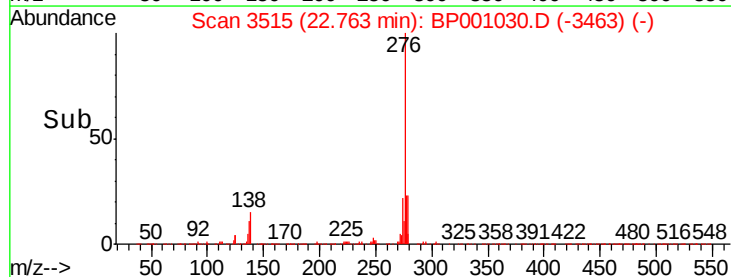
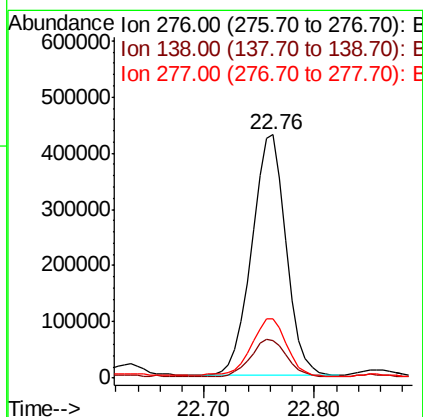
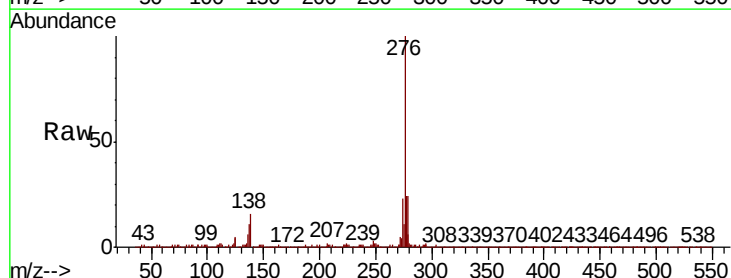
Instrument :
BNA_P
ClientSampleId :

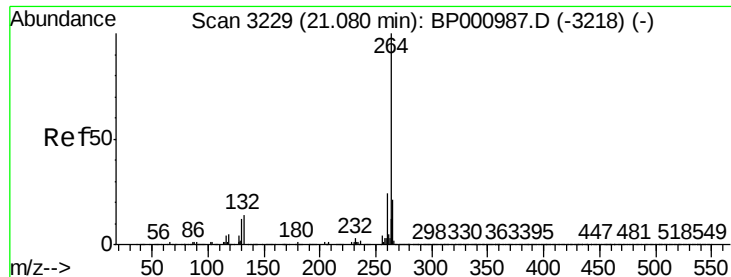
Tot Ion:228 Resp: 2575202
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 20.7 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 17.184 ng
RT: 22.76 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:276 Resp: 930878
Ion Ratio Lower Upper
276 100
138 16.6 17.6 26.4#
277 25.7 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3231

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampleId :

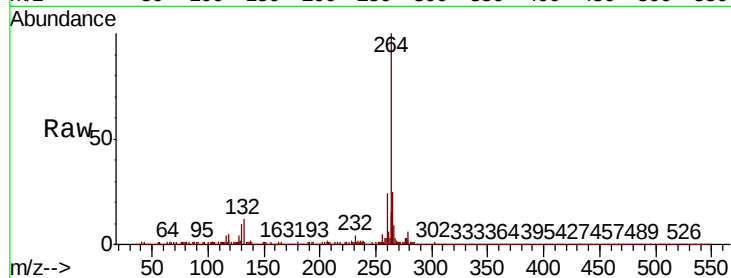
Tot Ion:264 Resp: 798689

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 24.7 17.1 25.7

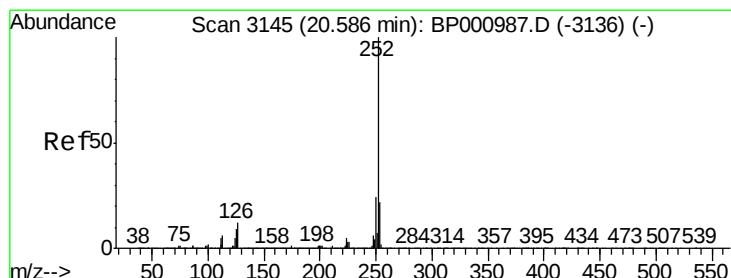
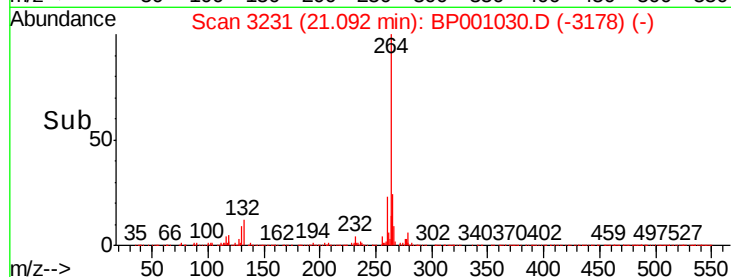
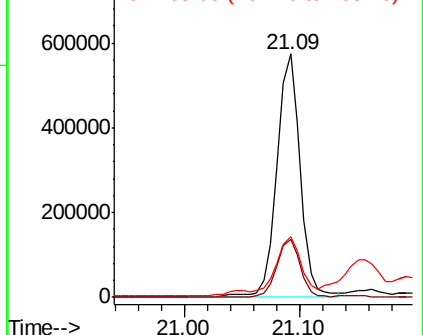


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 60.399 ng

RT: 20.60 min Scan# 3148

Delta R.T. 0.02 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

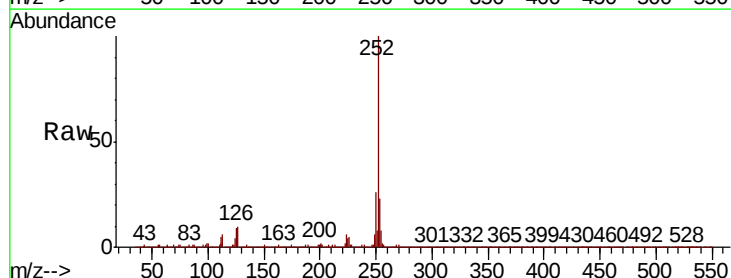
Tgt Ion:252 Resp: 2875524

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 8.7 7.3 10.9

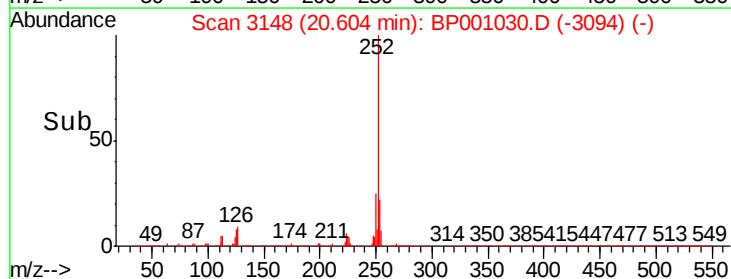
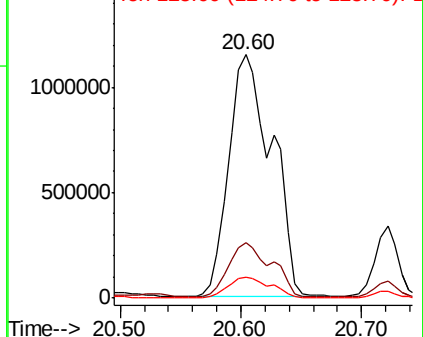


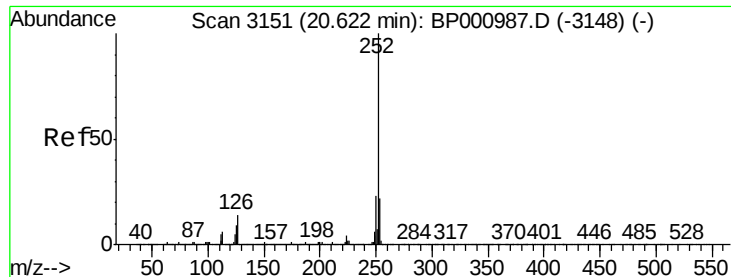
Abundance

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

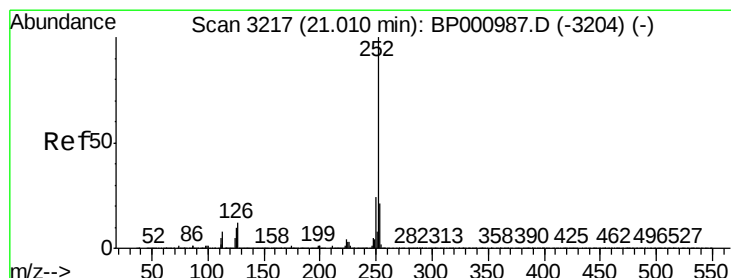
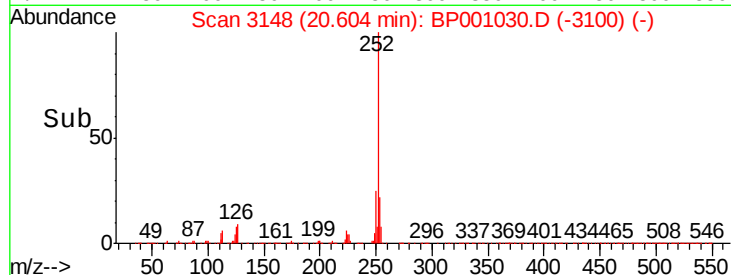
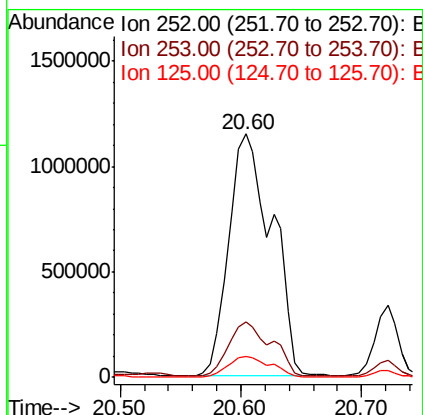
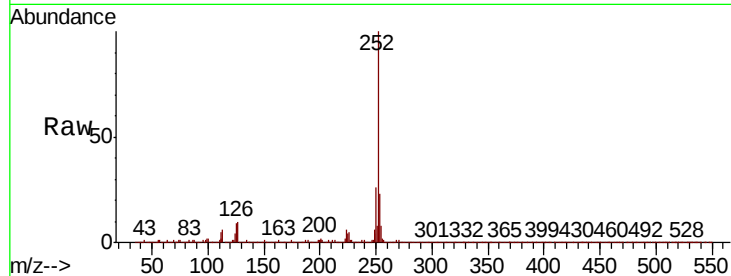




#89
Benzo(k)fluoranthene
Concen: 64.163 ng
RT: 20.60 min Scan# 3148
Delta R.T. -0.02 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

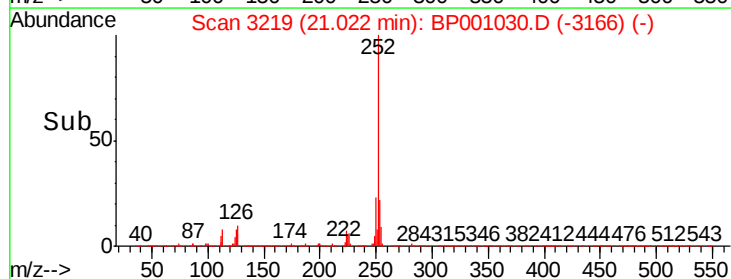
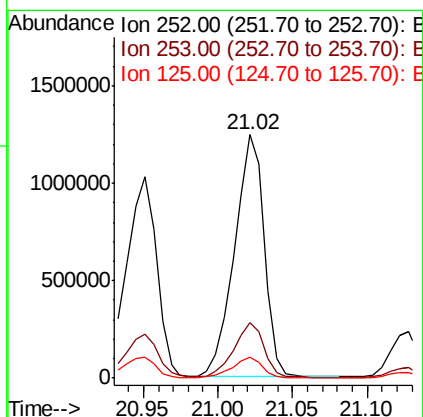
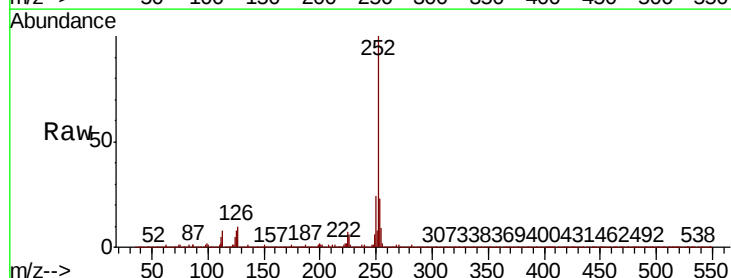
Instrument :
BNA_P
ClientSampleId :

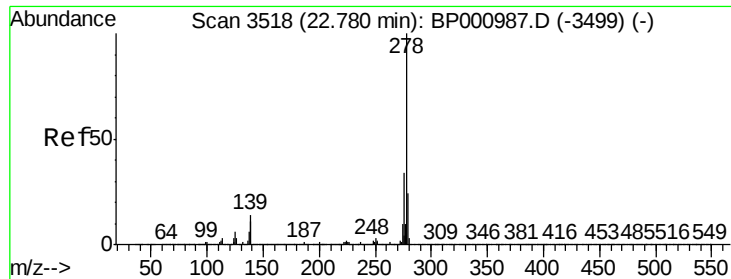
Tot Ion:252 Resp: 2875524
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 8.7 7.3 10.9



#90
Benzo(a)pyrene
Concen: 39.269 ng
RT: 21.02 min Scan# 3219
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:252 Resp: 1719101
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 8.4 7.6 11.4

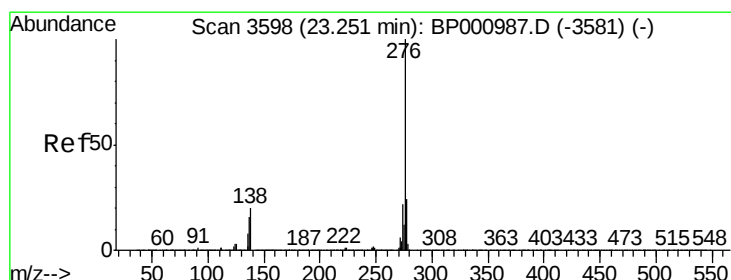
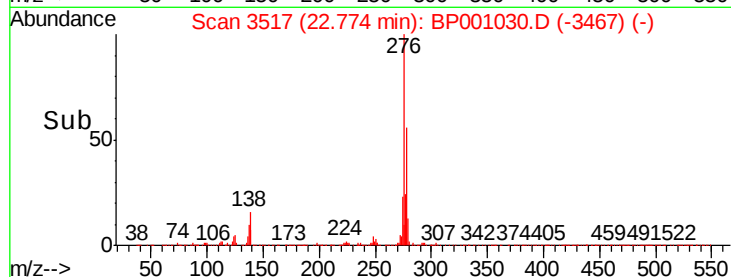
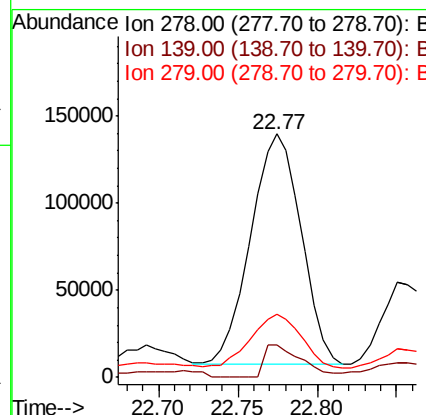
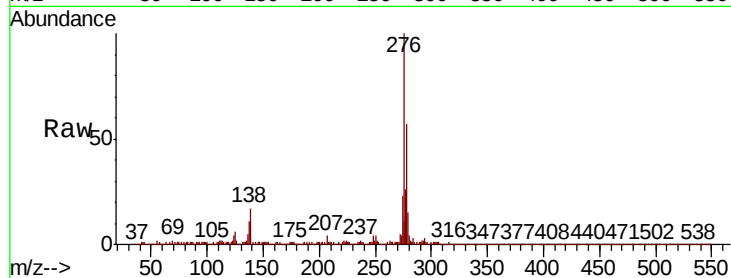




#91
Dibenzo(a,h)anthracene
Concen: 6.536 ng
RT: 22.77 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.3	16.9
279	25.9	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 21.773 ng
RT: 23.26 min Scan# 3599
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	17.3	15.7	23.5

