

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
 Data File : BP001324.D
 Acq On : 11 Dec 2019 21:27
 Operator : JU
 Sample : K6204-06 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 K072-AA-WC-1

Quant Time: Dec 12 06:42:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	55295	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	194805	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	114110	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	214966	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	171259	20.00	ng	-0.01
87) Perylene-d12	21.02	264	191204	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.21	112	118020	35.41	ng	0.00
7) Phenol-d6	7.75	99	185933	41.87	ng	-0.01
23) Nitrobenzene-d5	9.18	82	124061	27.63	ng	-0.02
42) 2,4,6-Tribromophenol	14.49	330	80512	73.61	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	287478	36.87	ng	-0.02
79) Terphenyl-d14	17.88	244	408021	44.08	ng	-0.01

Target Compounds

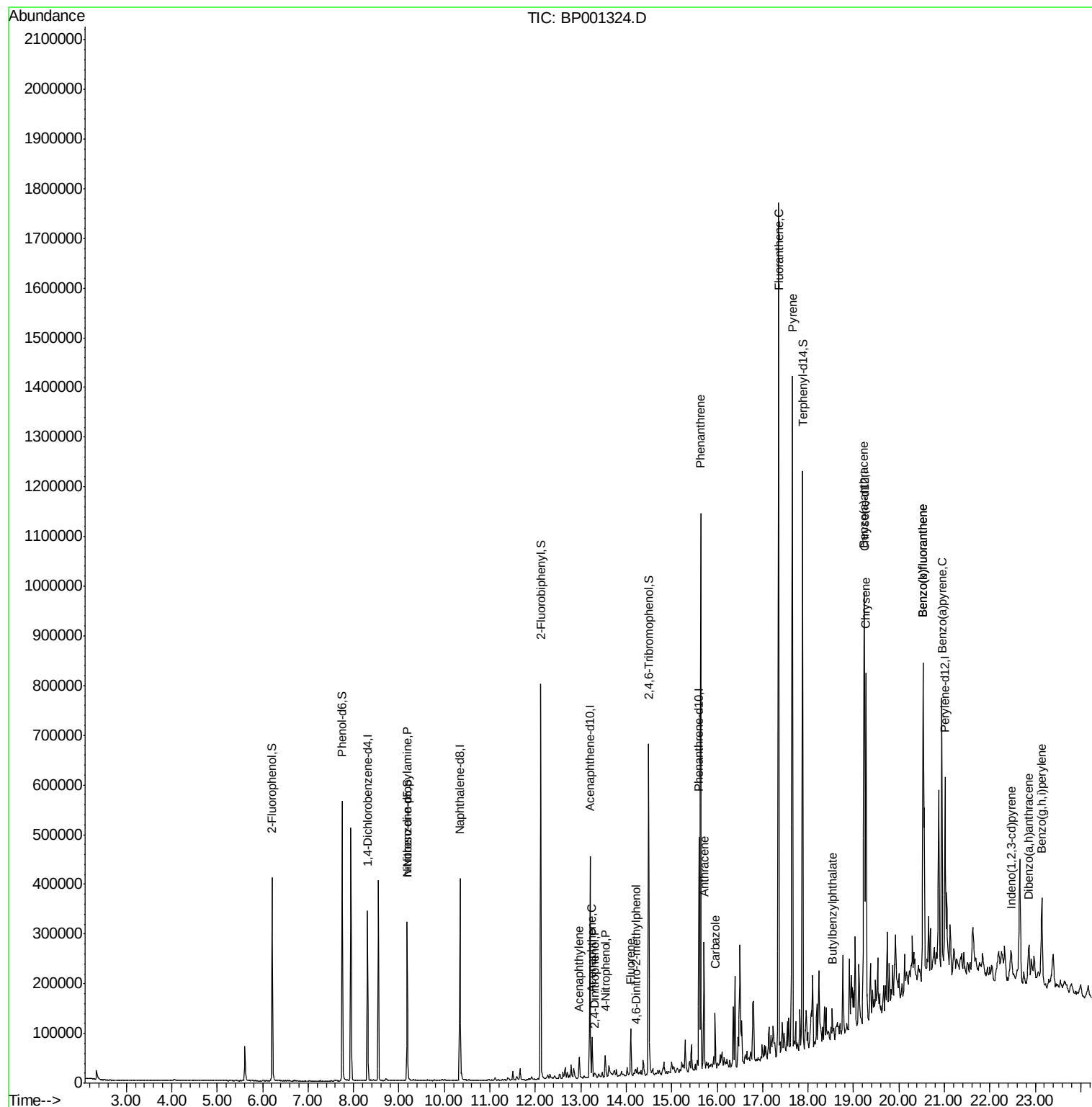
						Qvalue
9) Benzaldehyde	7.60	77	538	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	9.18	70	18802	5.868 ng	#	78
49) Acenaphthylene	12.96	152	21338	2.021 ng		98
52) Acenaphthene	13.25	154	20370	3.207 ng		94
54) 2,4-Dinitrophenol	13.30	184	6	7.116 ng	#	1
56) 4-Nitrophenol	13.54	139	8405	5.780 ng	#	1
58) Fluorene	14.10	166	27857	3.642 ng		96
65) 4,6-Dinitro-2-methylphenol	14.20	198	13	6.289 ng	#	1
71) Phenanthrene	15.64	178	499522	44.200 ng		99
72) Anthracene	15.71	178	115900	10.405 ng		99
73) Carbazole	15.96	167	50029	4.936 ng		98
75) Fluoranthene	17.35	202	785003	65.612 ng		99
78) Pyrene	17.66	202	638177	47.312 ng		98
80) Butylbenzylphthalate	18.53	149	13072	2.098 ng		95
81) Benzo(a)anthracene	19.23	228	336882	28.371 ng		98
83) Chrysene	19.27	228	306933	28.867 ng		97
86) Indeno(1,2,3-cd)pyrene	22.48	276	30263	2.415 ng		98
88) Benzo(b)fluoranthene	20.53	252	526579	45.089 ng		97
89) Benzo(k)fluoranthene	20.53	252	526579	46.814 ng		97
90) Benzo(a)pyrene	20.94	252	271415	25.231 ng		96
91) Dibenzo(a,h)anthracene	22.86	278	37529	3.565 ng		98
92) Benzo(g,h,i)perylene	23.14	276	163165	15.696 ng		97

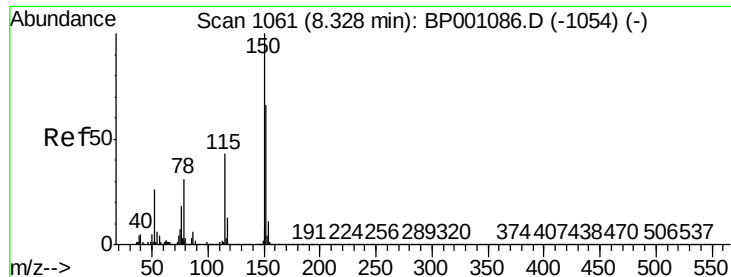
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

BNA_P

ClientSampleId :

K072-AA-WC-1

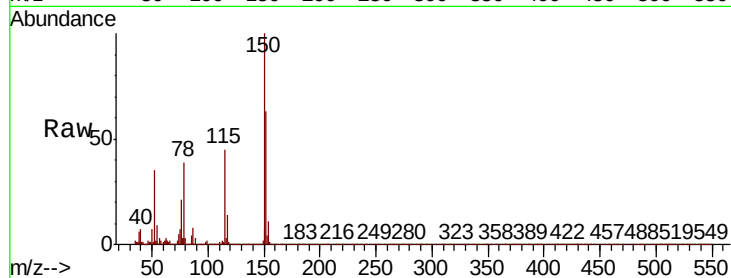
Tot Ion:152 Resp: 55295

Ion Ratio Lower Upper

152 100

150 159.7 127.3 190.9

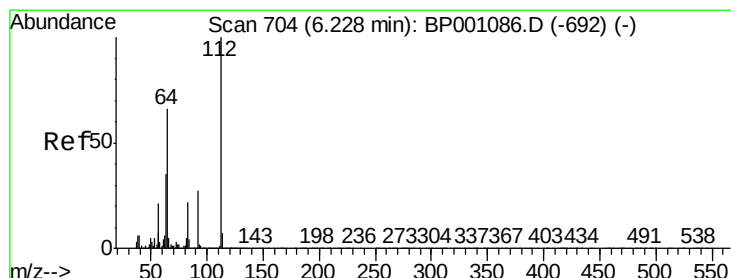
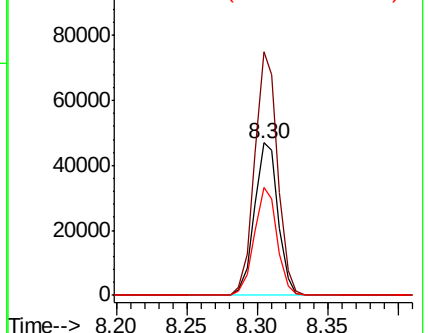
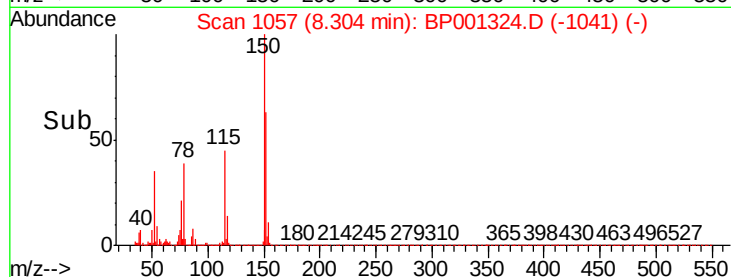
115 71.2 56.0 84.0



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



#5

2-Fluorophenol

Concen: 35.411 ng

RT: 6.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

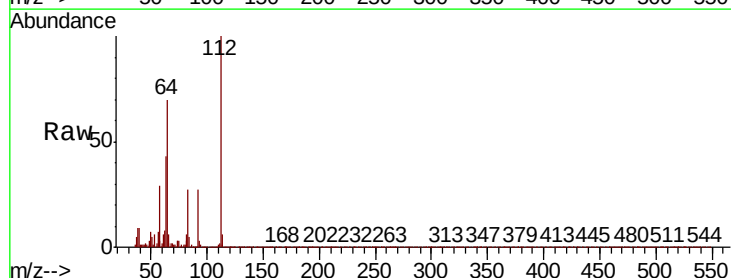
Tgt Ion:112 Resp: 118020

Ion Ratio Lower Upper

112 100

64 69.9 56.8 85.2

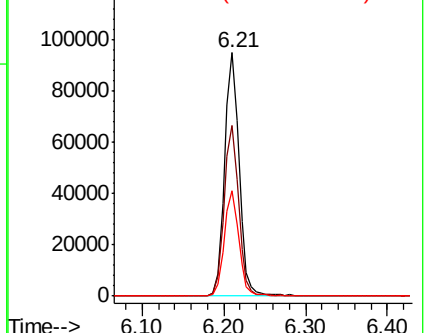
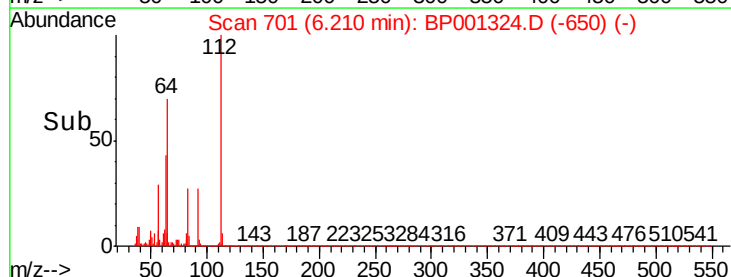
63 43.3 32.2 48.2

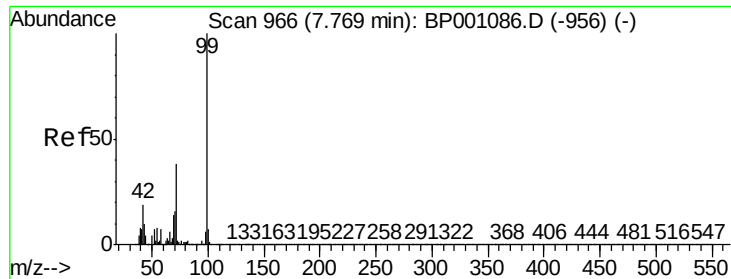


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 41.875 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

BNA_P

ClientSampleId :

K072-AA-WC-1

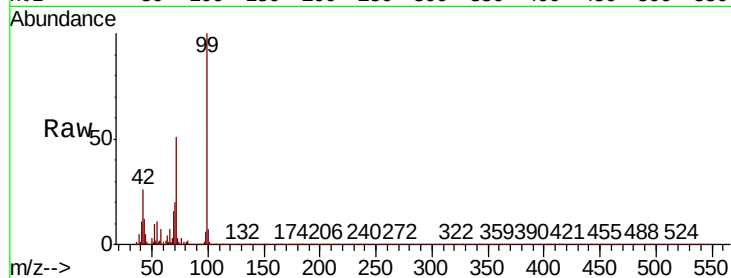
Tot Ion: 99 Resp: 185933

Ion Ratio Lower Upper

99 100

42 26.1 17.6 26.4

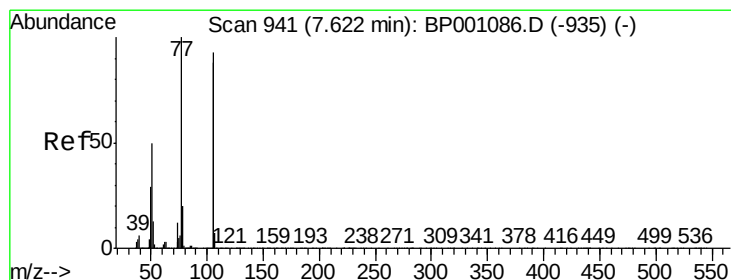
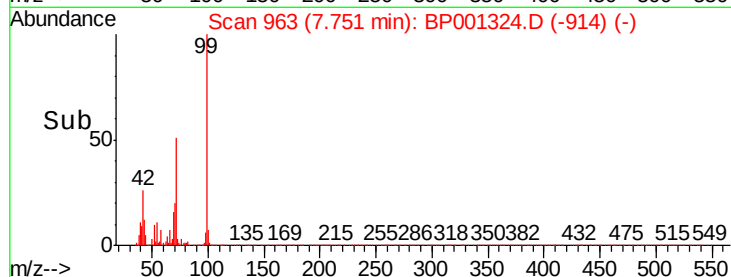
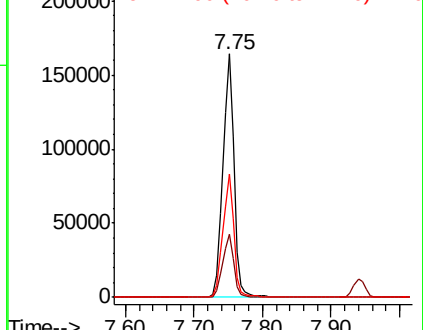
71 50.8 33.8 50.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

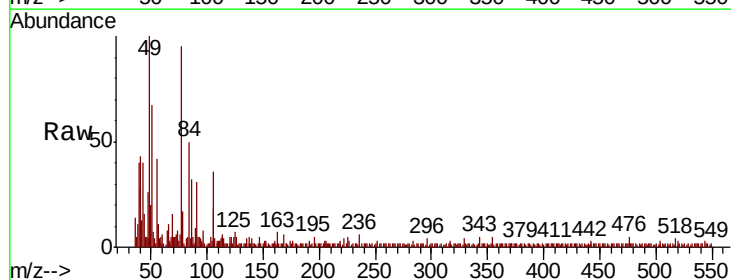
Tgt Ion: 77 Resp: 538

Ion Ratio Lower Upper

77 100

105 19.2 69.7 109.7#

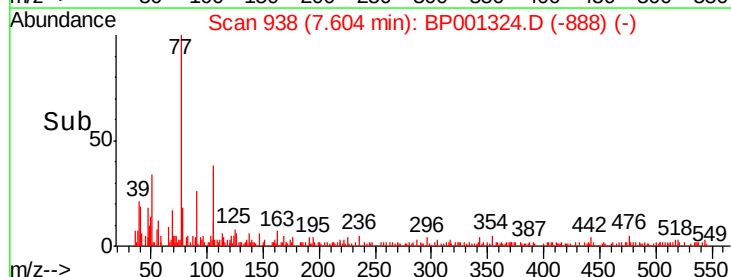
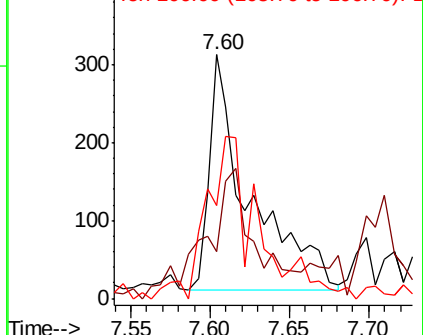
106 38.3 67.1 107.1#

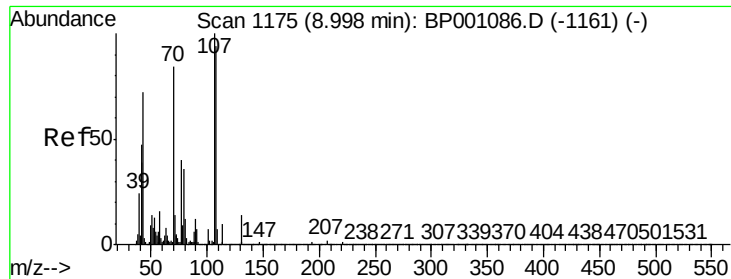


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

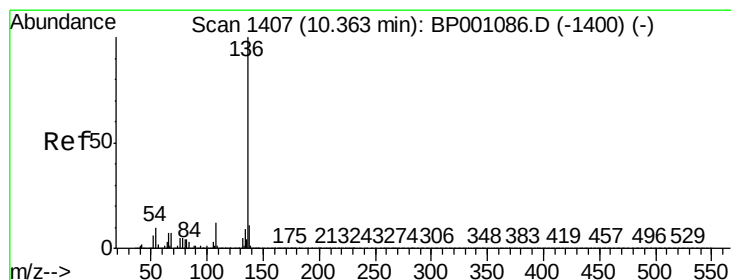
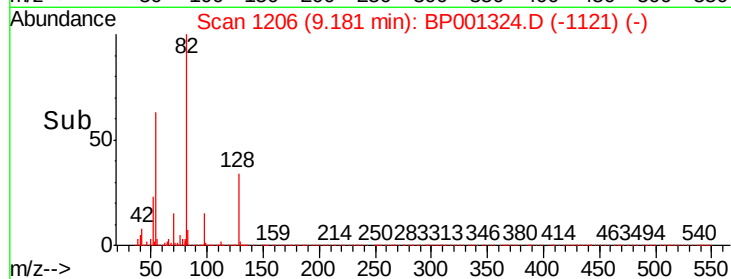
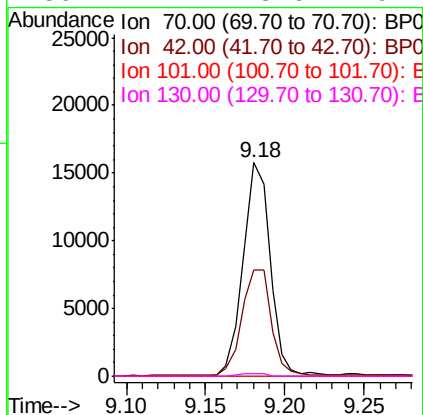
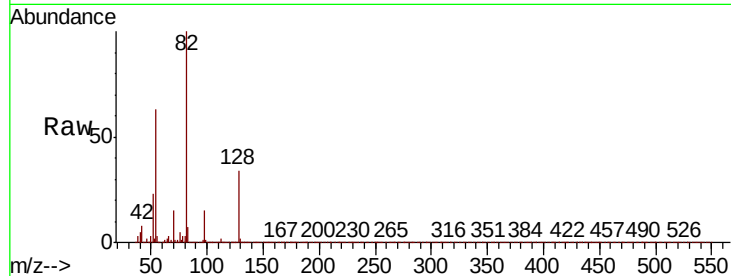




#19
n-Nitroso-di-n-propylamine
Concen: 5.868 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.20 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

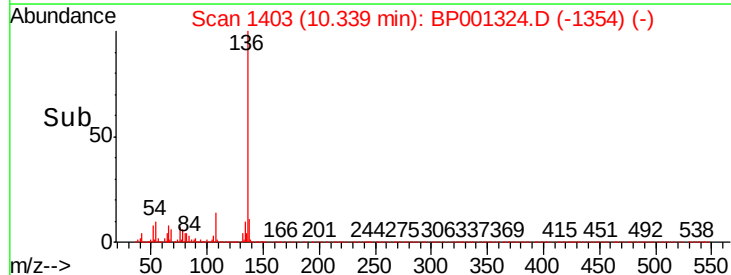
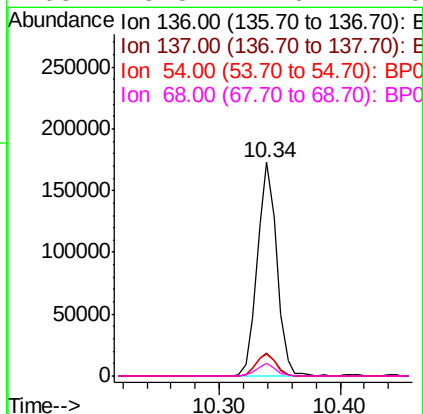
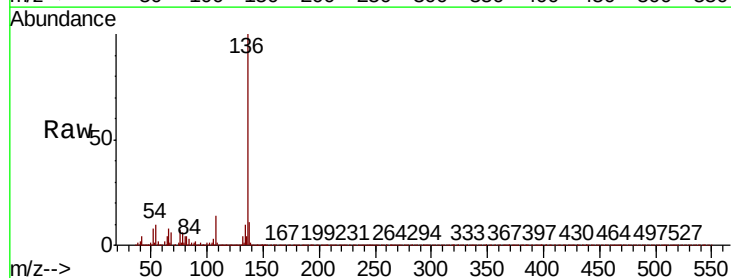
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

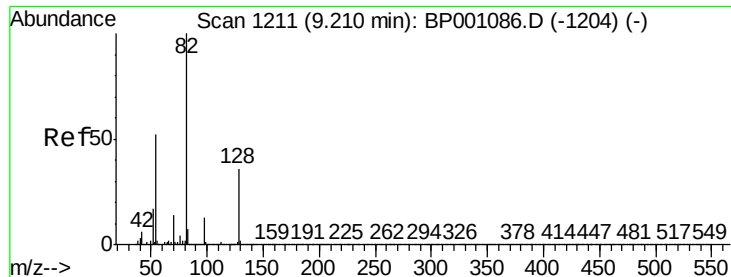
Tot Ion: 70 Resp: 18802
Ion Ratio Lower Upper
70 100
42 50.0 50.6 76.0#
101 0.1 7.1 10.7#
130 1.2 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion: 136 Resp: 194805
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.0 7.4 11.0
68 5.8 4.6 7.0

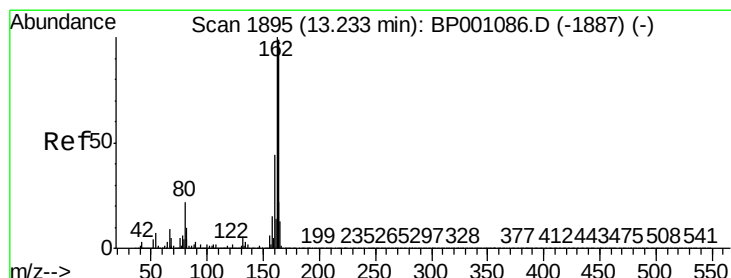
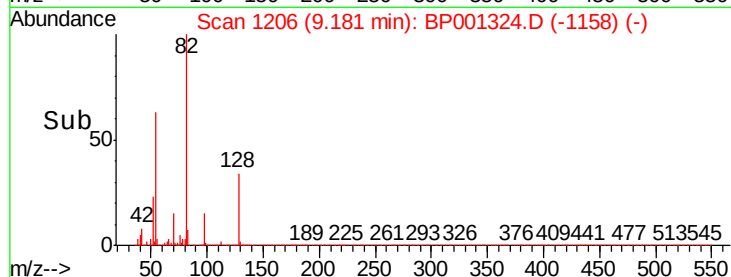
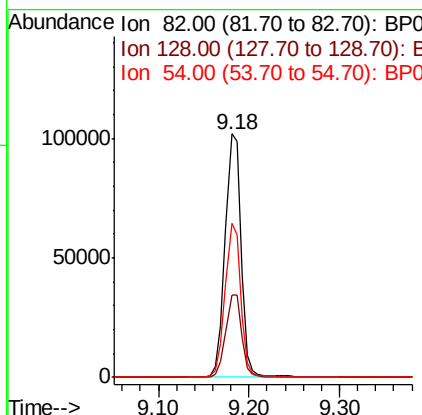
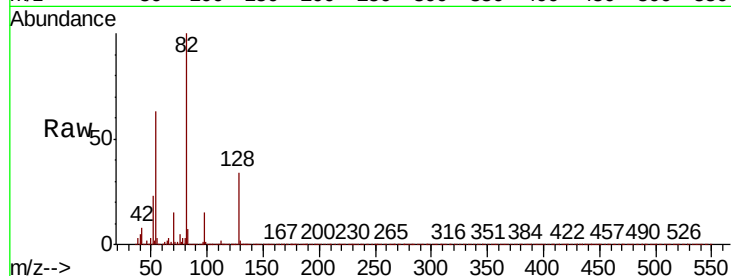




#23
 Nitrobenzene-d5
 Concen: 27.630 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BP001324.D
 Acq: 11 Dec 2019 21:27

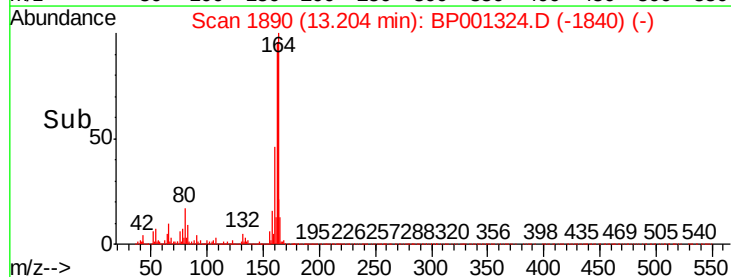
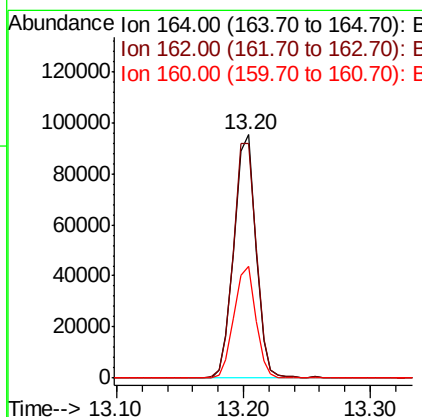
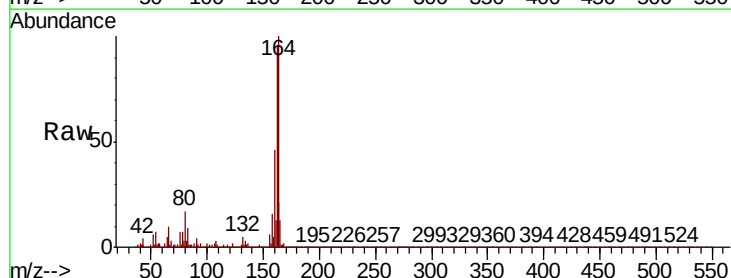
Instrument :
 BNA_P
 ClientSampleId :
 K072-AA-WC-1

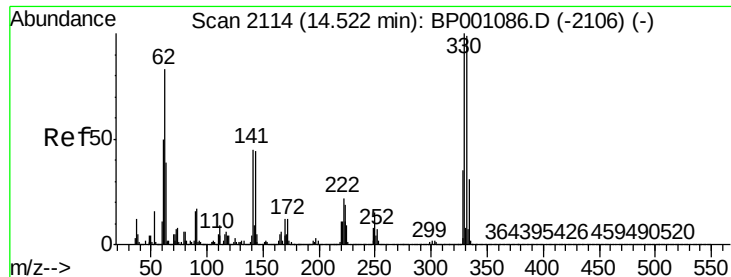
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.0	27.5	41.3
54	63.2	45.7	68.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.20 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BP001324.D
 Acq: 11 Dec 2019 21:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	80.7	121.1
160	45.7	36.3	54.5

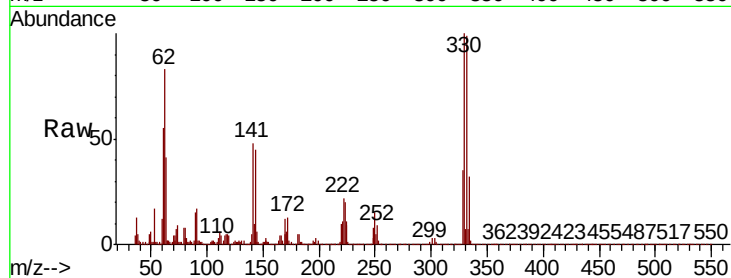




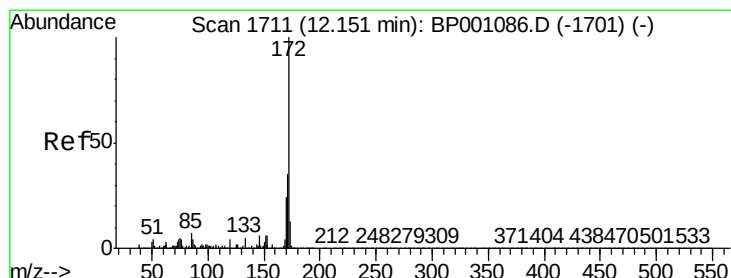
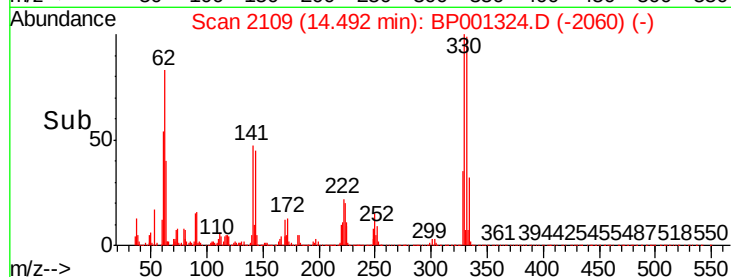
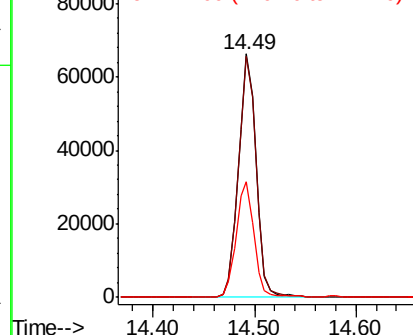
#42
2,4,6-Tribromophenol
Concen: 73.611 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

Tot Ion:330 Resp: 80512
Ion Ratio Lower Upper
330 100
332 99.5 79.1 118.7
141 48.2 35.9 53.9

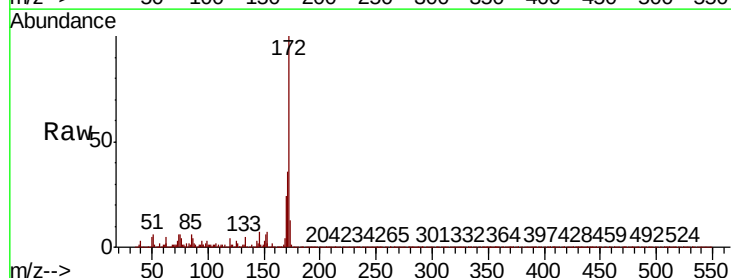


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

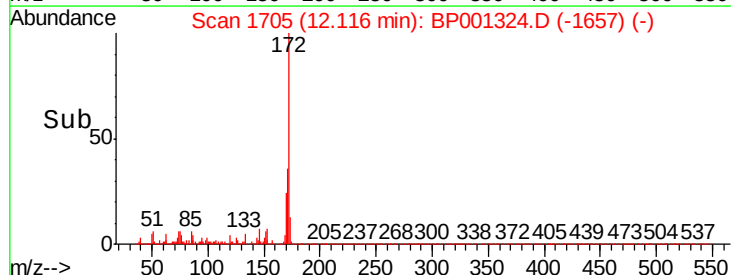
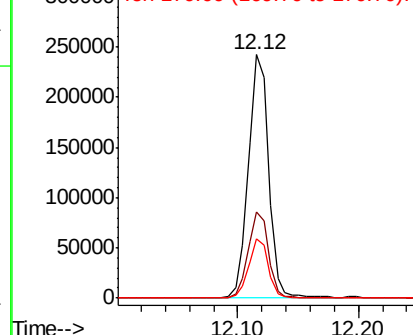


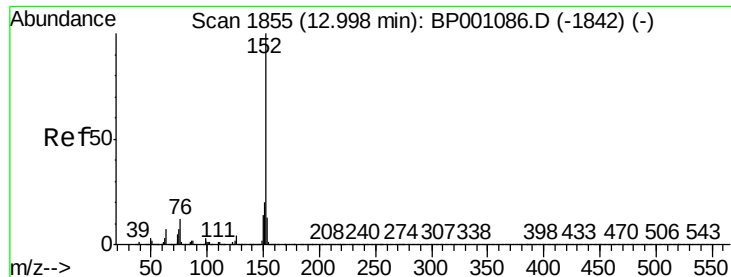
#45
2-Fluorobiphenyl
Concen: 36.872 ng
RT: 12.12 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:172 Resp: 287478
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.2 19.2 28.8



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





#49

Acenaphthylene

Concen: 2.021 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.02 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

BNA_P

ClientSampleId :

K072-AA-WC-1

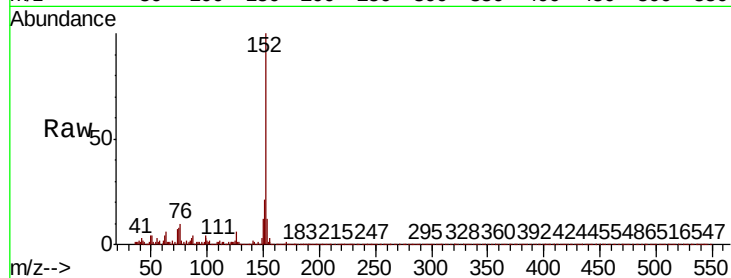
Tot Ion:152 Resp: 21338

Ion Ratio Lower Upper

152 100

151 21.0 16.0 24.0

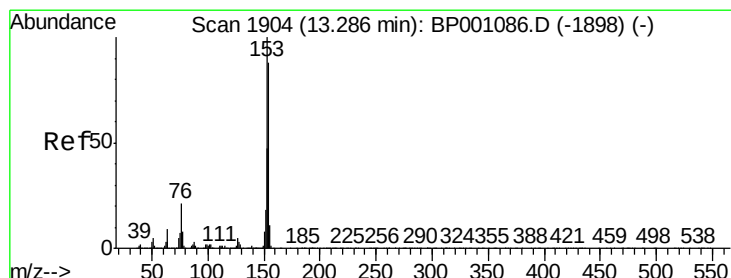
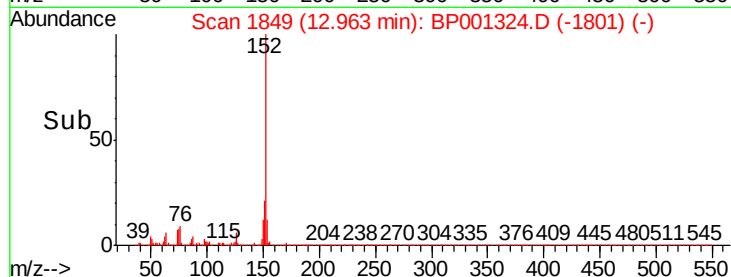
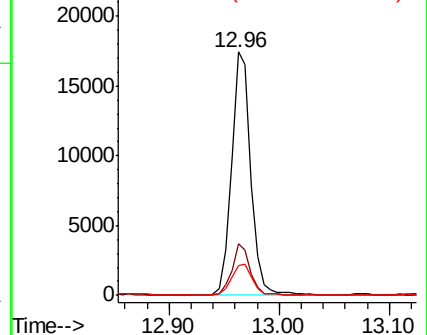
153 12.2 10.3 15.5



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



#52

Acenaphthene

Concen: 3.207 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

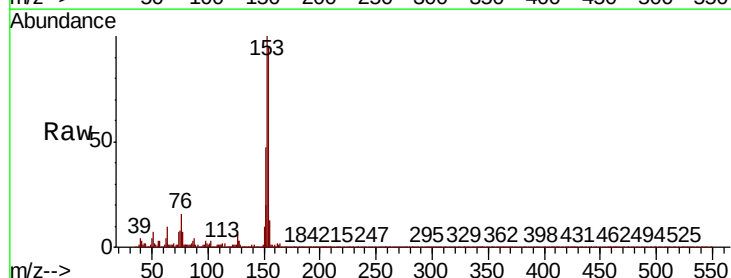
Tgt Ion:154 Resp: 20370

Ion Ratio Lower Upper

154 100

153 105.7 90.3 135.5

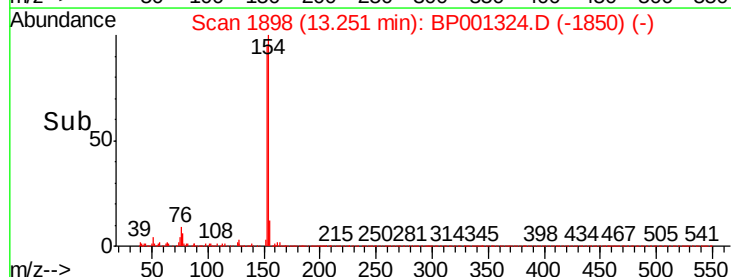
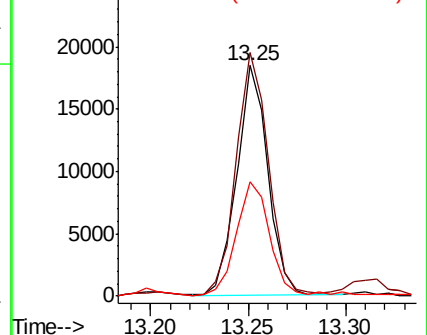
152 49.8 42.9 64.3

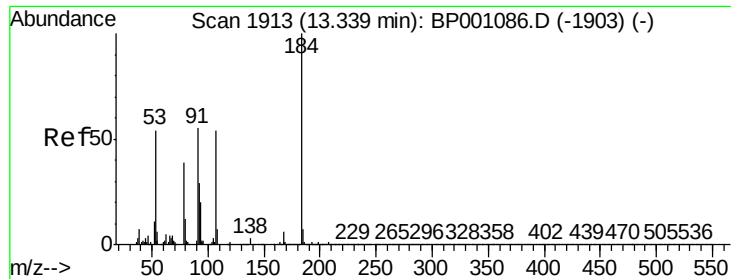


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

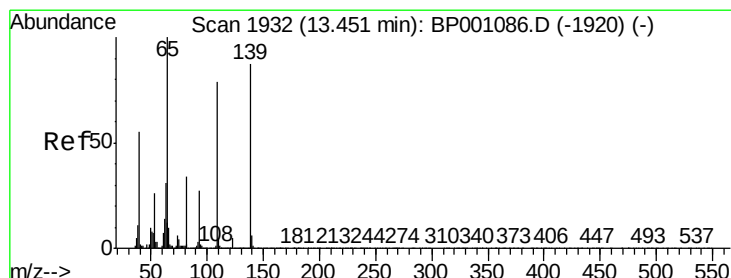
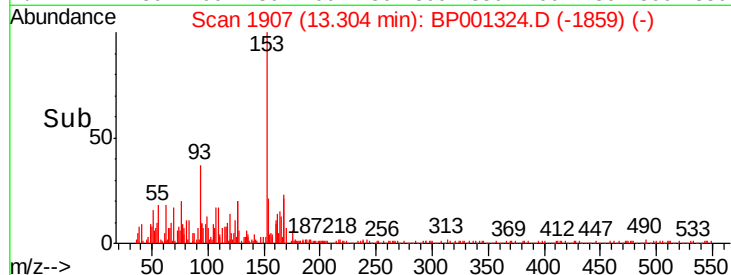
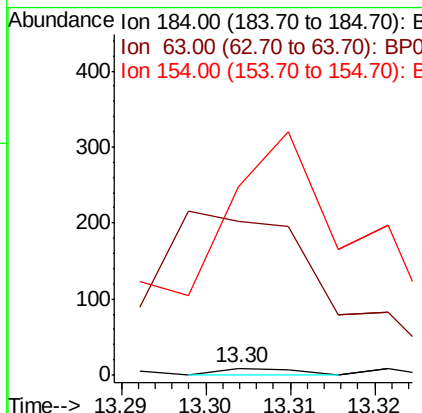
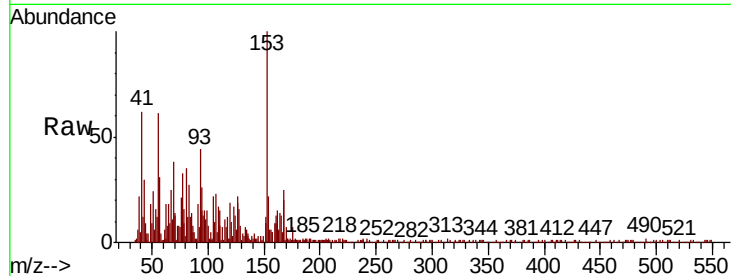




#54
2,4-Dinitrophenol
Concen: 7.116 ng
RT: 13.30 min Scan# 1907
Delta R.T. -0.02 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

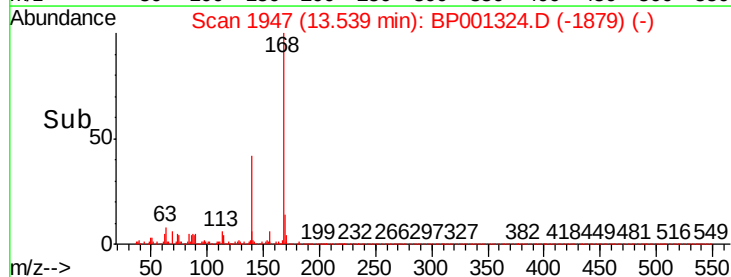
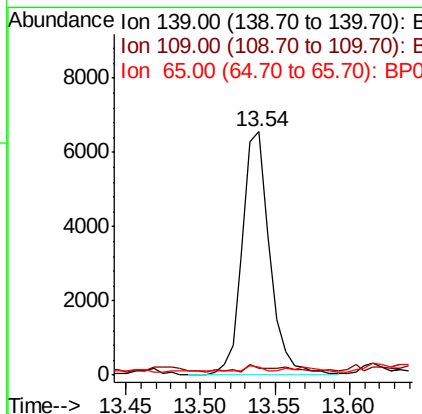
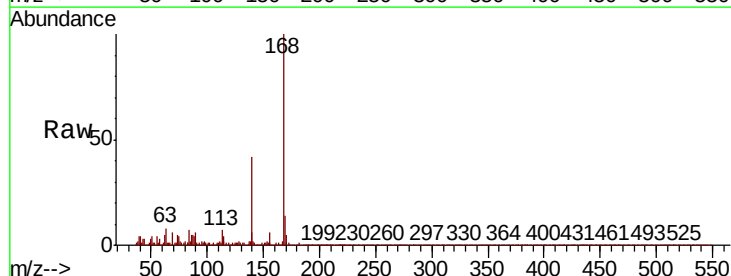
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

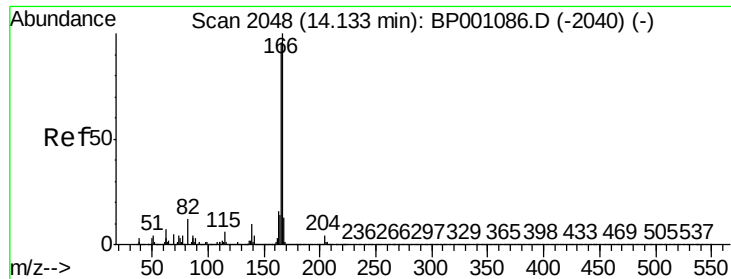
Tot Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 2255.6 69.4 104.0#
154 2755.6 57.4 86.2#



#56
4-Nitrophenol
Concen: 5.780 ng
RT: 13.54 min Scan# 1947
Delta R.T. 0.10 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:139 Resp: 8405
Ion Ratio Lower Upper
139 100
109 2.7 87.8 127.8#
65 3.3 111.9 151.9#





#58

Fluorene

Concen: 3.642 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

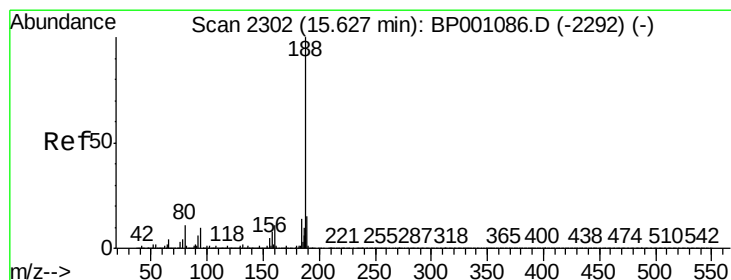
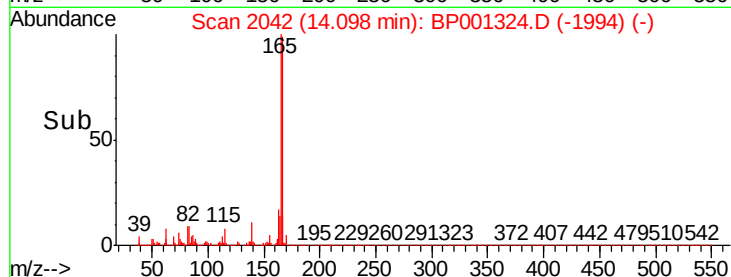
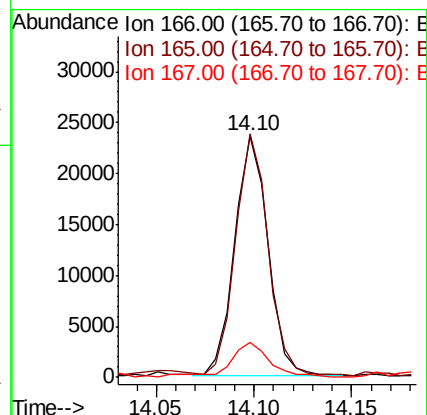
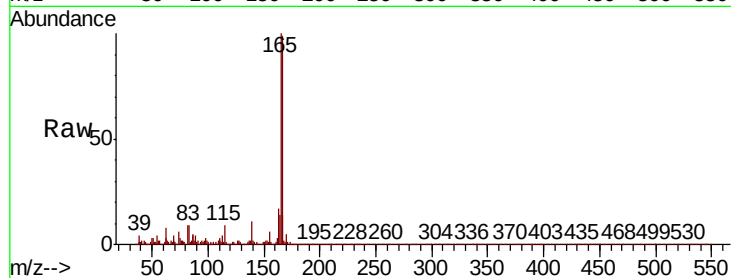
BNA_P

ClientSampleId :

K072-AA-WC-1

Tot Ion:166 Resp: 27857

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.8
167	14.5	10.5	15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

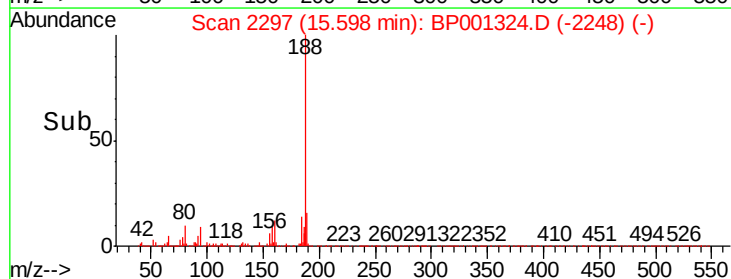
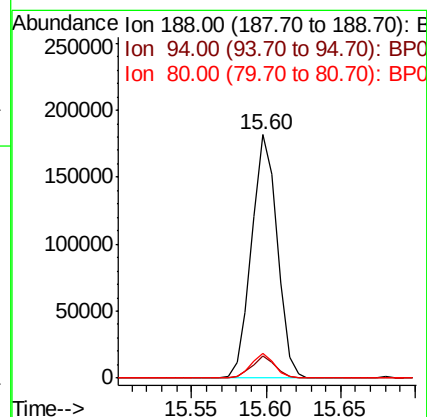
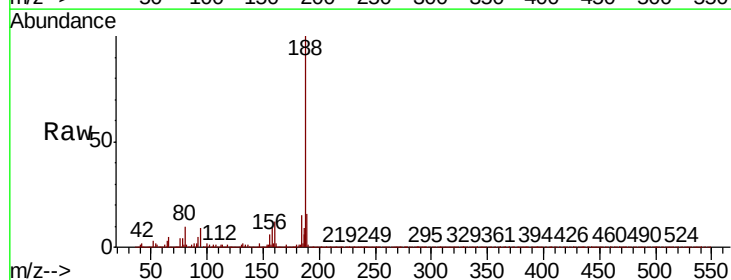
Delta R.T. -0.01 min

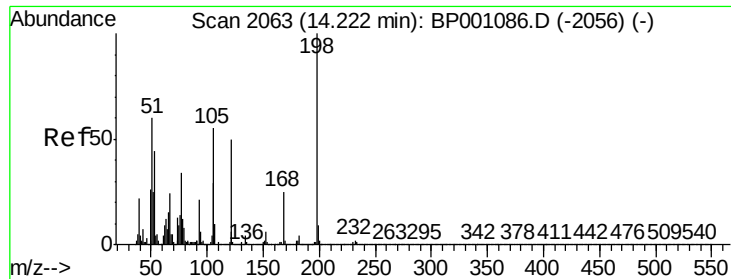
Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Tgt Ion:188 Resp: 214966

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.0	7.8	11.6

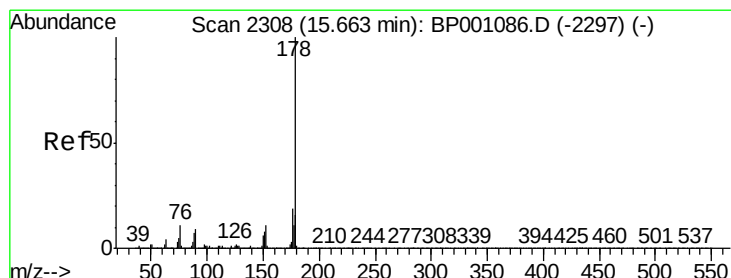
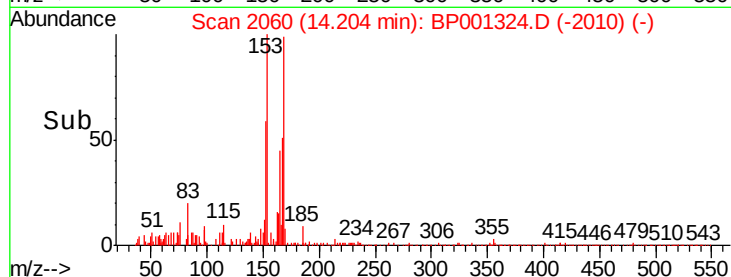
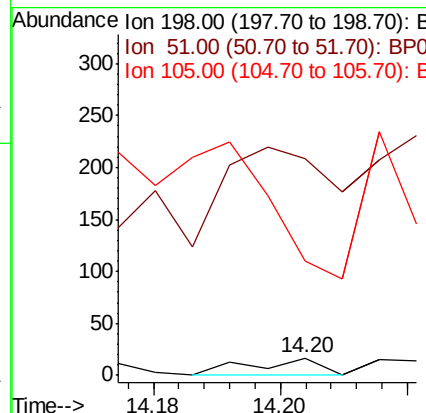
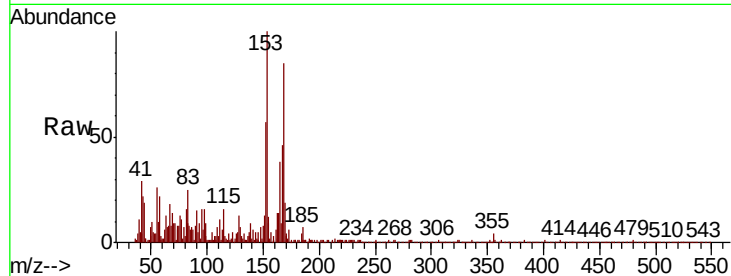




#65
4,6-Dinitro-2-methylphenol
Concen: 6.289 ng
RT: 14.20 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

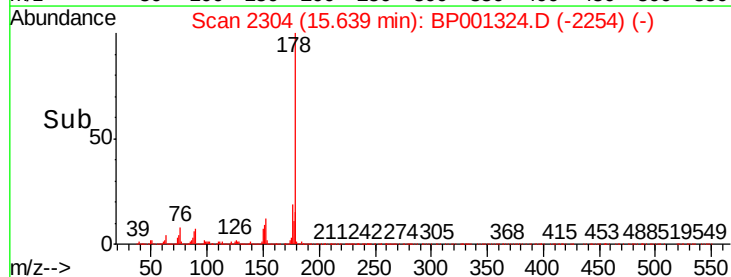
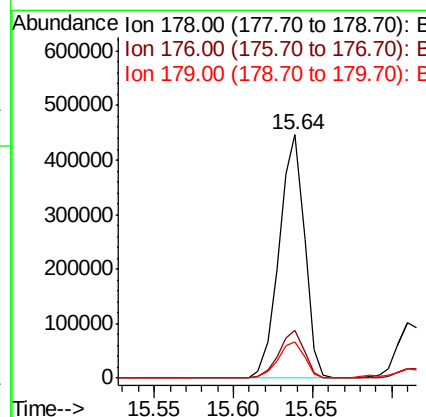
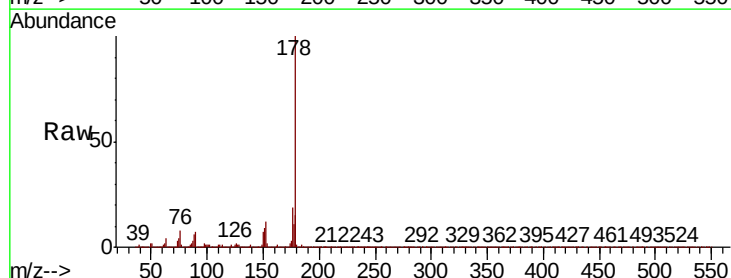
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

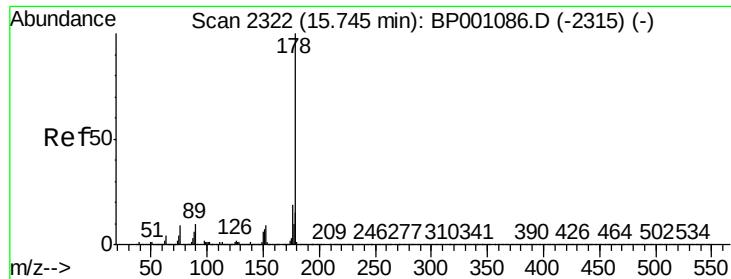
Tot Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 1223.5 36.2 76.2#
105 647.1 30.2 70.2#



#71
Phenanthrene
Concen: 44.200 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:178 Resp: 499522
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.1 12.4 18.6





#72

Anthracene

Concen: 10.405 ng

RT: 15.71 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

BNA_P

ClientSampleId :

K072-AA-WC-1

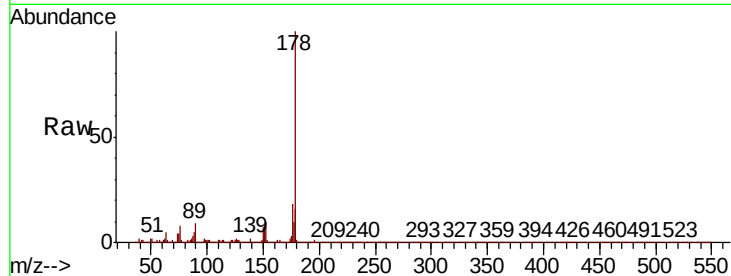
Tot Ion:178 Resp: 115900

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

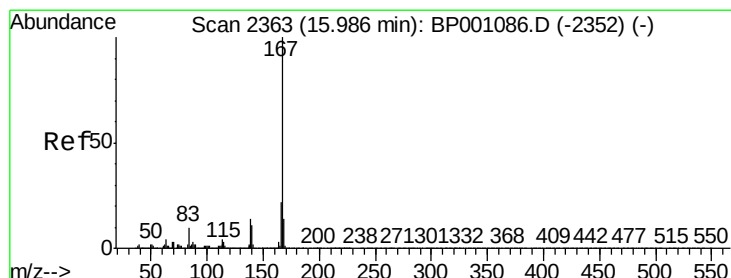
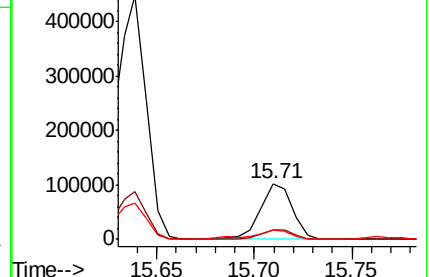
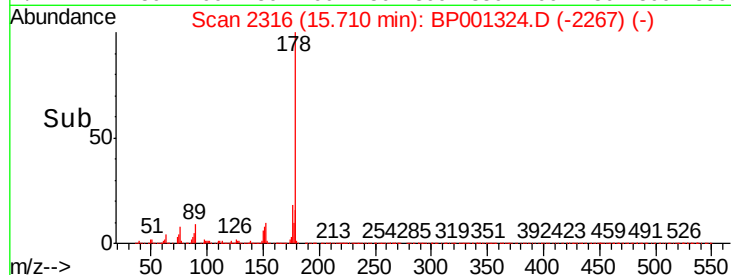
179 15.8 12.7 19.1



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



#73

Carbazole

Concen: 4.936 ng

RT: 15.96 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

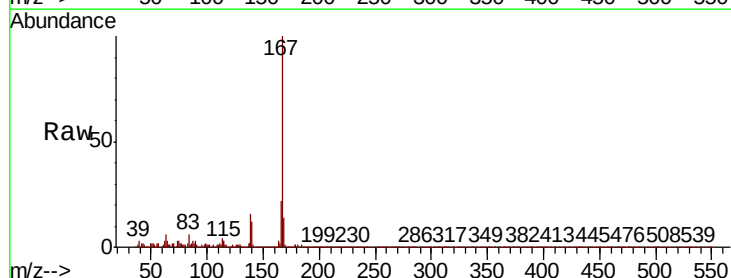
Tgt Ion:167 Resp: 50029

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

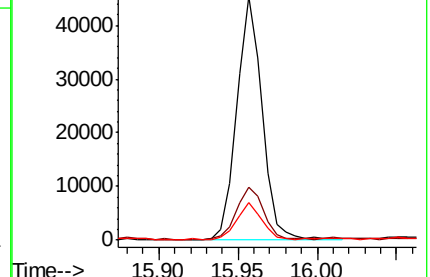
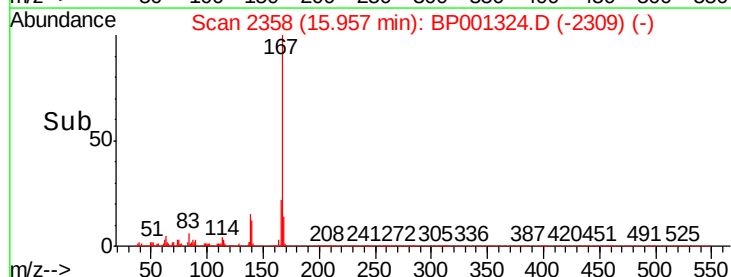
139 15.6 11.4 17.0

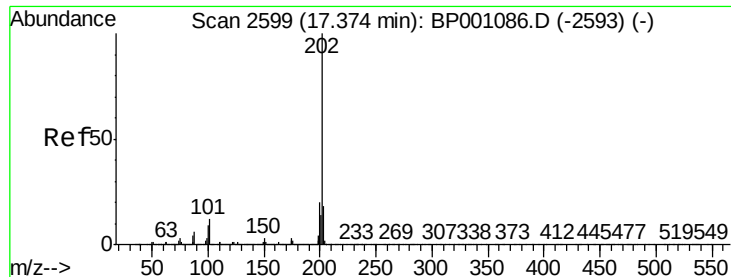


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 65.612 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

Instrument :

BNA_P

ClientSampleId :

K072-AA-WC-1

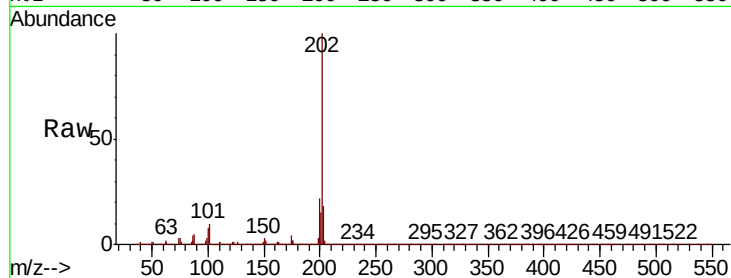
Tot Ion:202 Resp: 785003

Ion Ratio Lower Upper

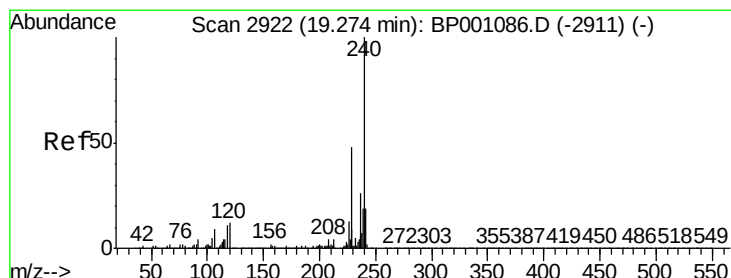
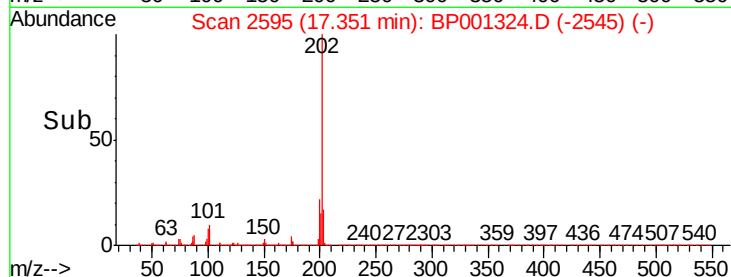
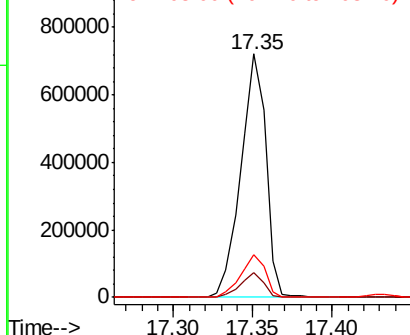
202 100

101 9.9 0.0 30.0

203 17.5 0.0 37.1



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: 19.24 min Scan# 2917

Delta R.T. -0.01 min

Lab File: BP001324.D

Acq: 11 Dec 2019 21:27

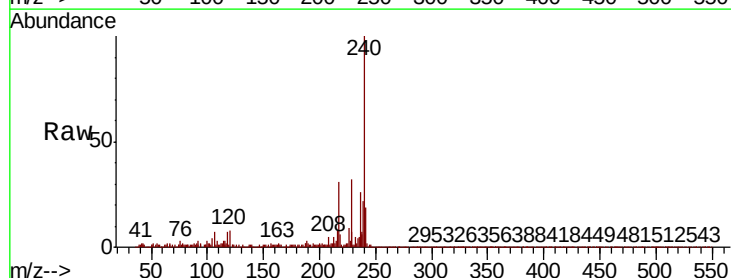
Tgt Ion:240 Resp: 171259

Ion Ratio Lower Upper

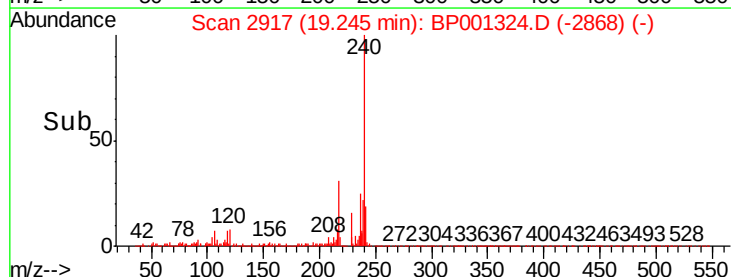
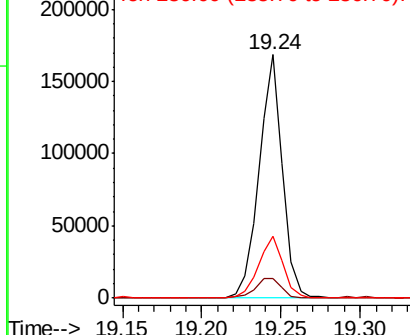
240 100

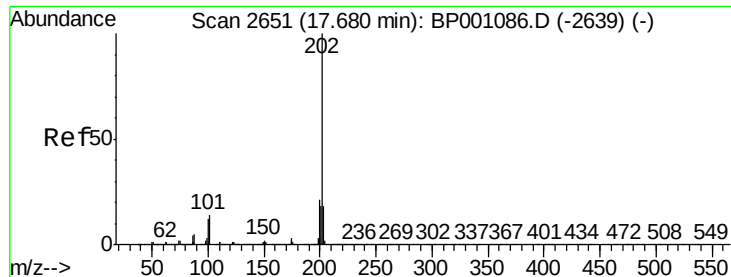
120 8.2 7.0 10.6

236 25.6 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

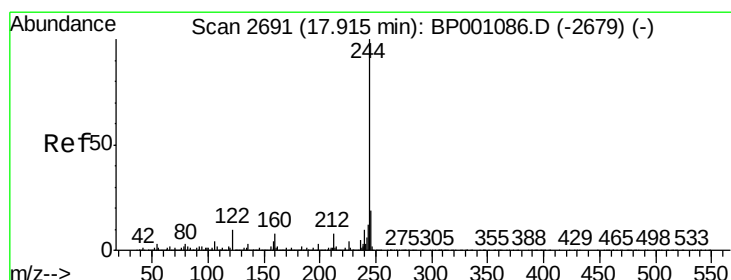
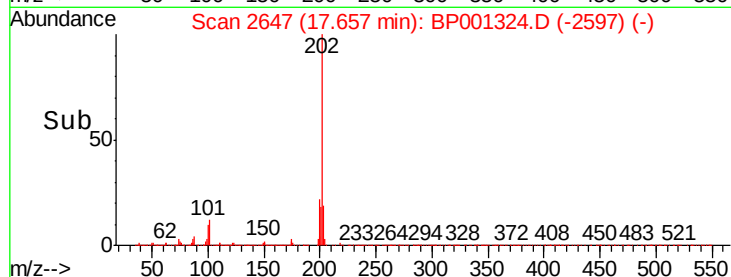
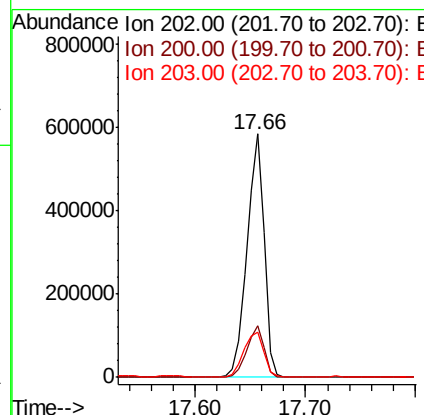
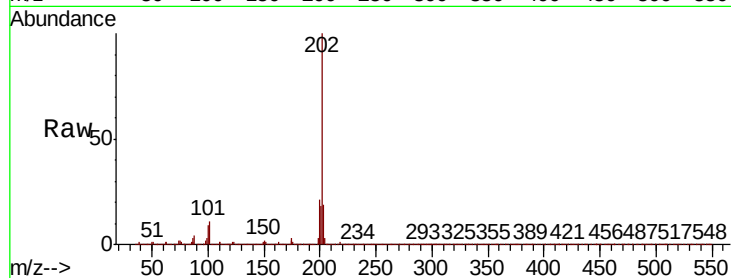




#78
Pvrene
Concen: 47.312 ng
RT: 17.66 min Scan# 2647
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

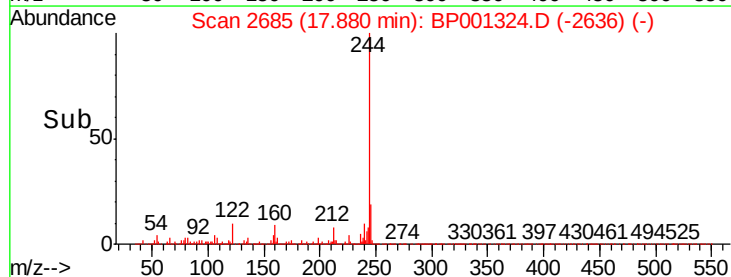
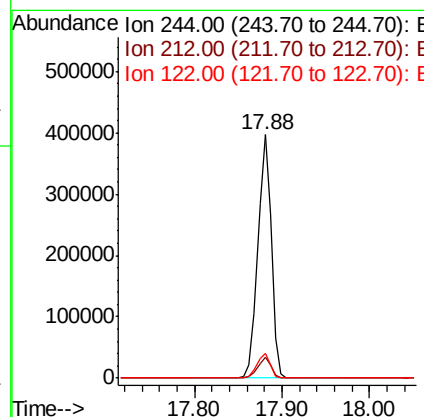
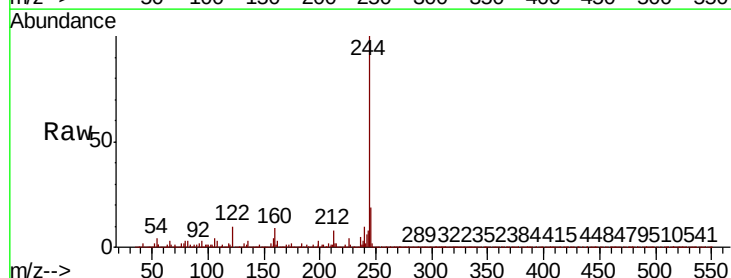
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

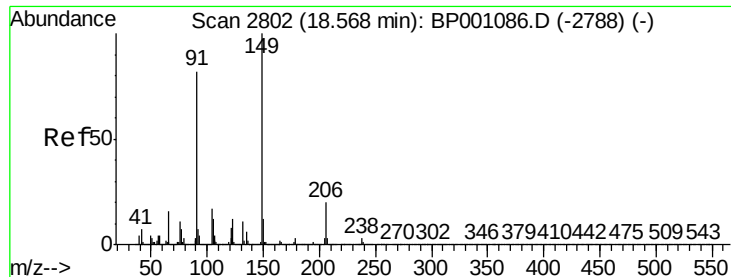
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	18.7	13.8	20.8



#79
Terphenyl-d14
Concen: 44.078 ng
RT: 17.88 min Scan# 2685
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	9.8
122	10.0	9.2	13.8

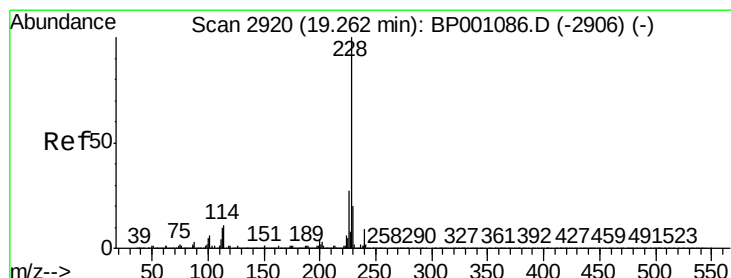
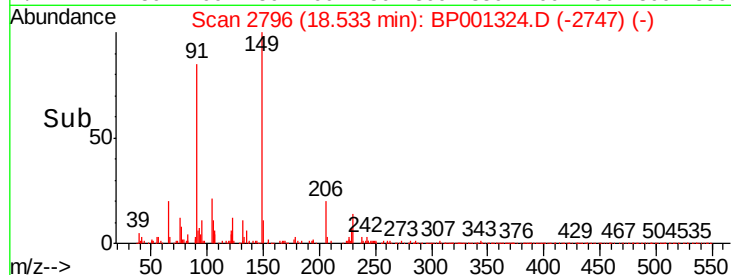
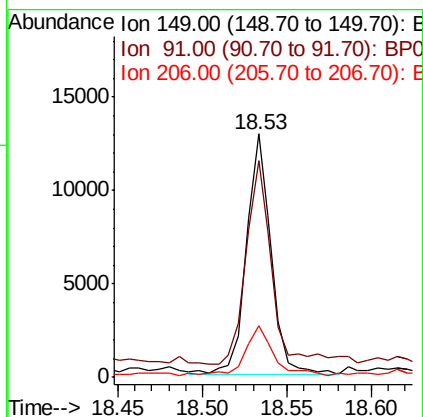
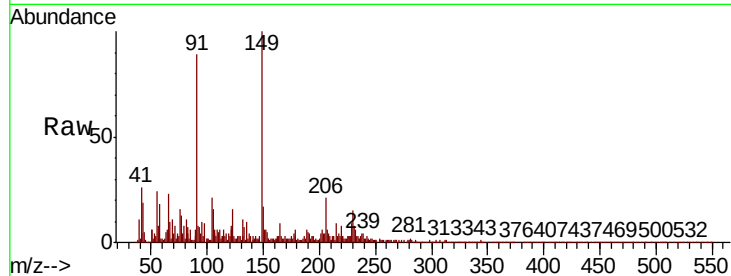




#80
Butylbenzylphthalate
Concen: 2.098 ng
RT: 18.53 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

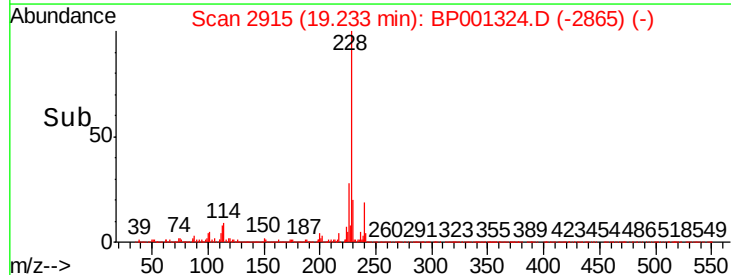
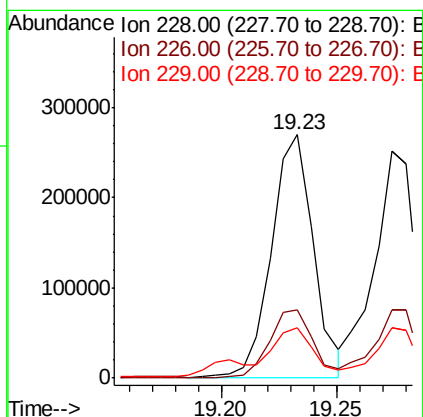
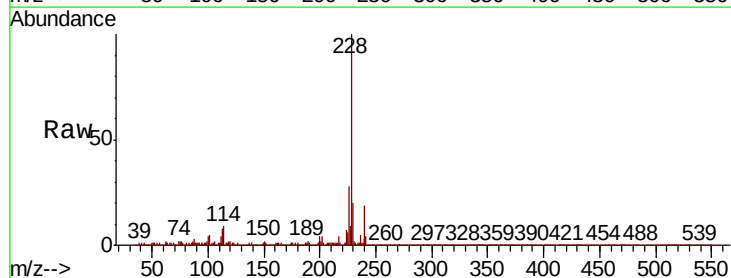
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

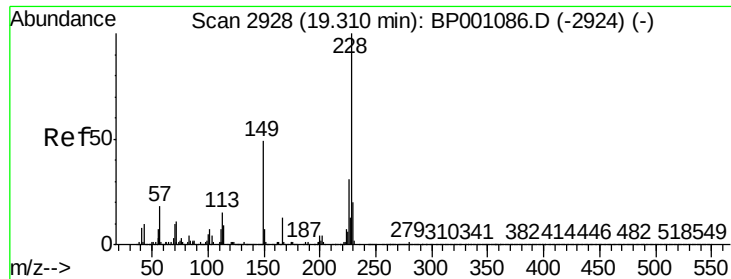
Tot Ion:149 Resp: 13072
Ion Ratio Lower Upper
149 100
91 89.1 67.4 101.2
206 21.2 15.0 22.4



#81
Benzo(a)anthracene
Concen: 28.371 ng
RT: 19.23 min Scan# 2915
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:228 Resp: 336882
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.4 15.8 23.6

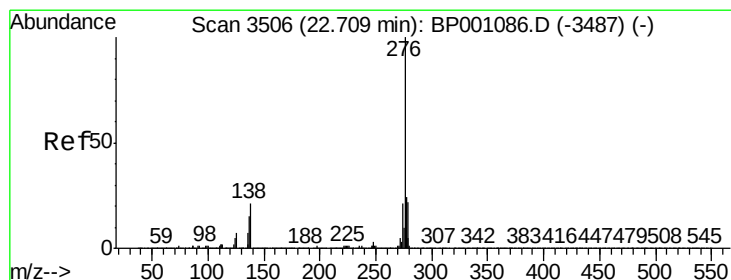
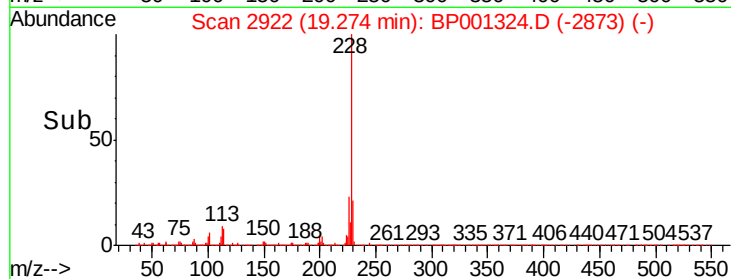
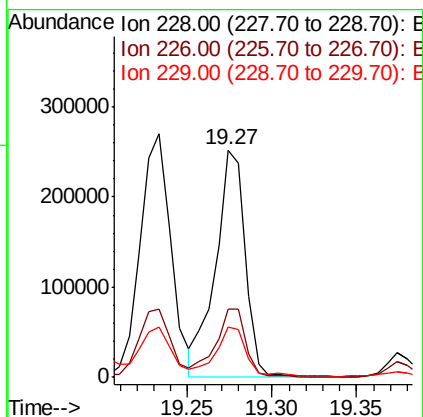
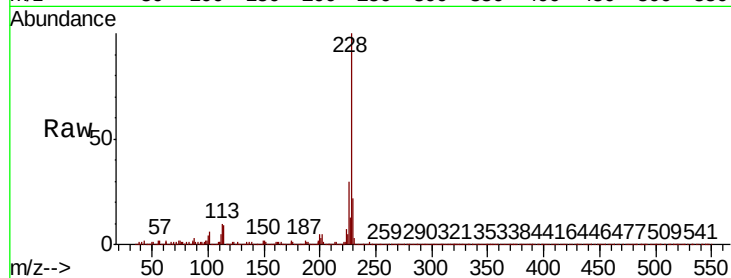




#83
Chrysene
Concen: 28.867 ng
RT: 19.27 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

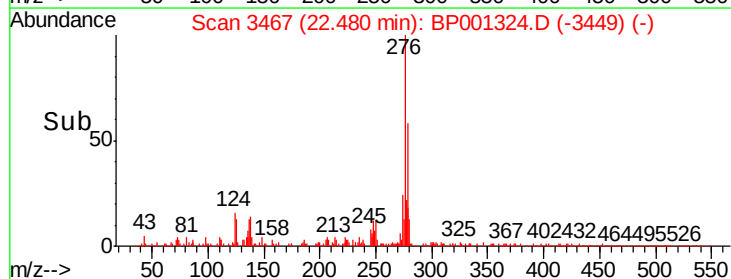
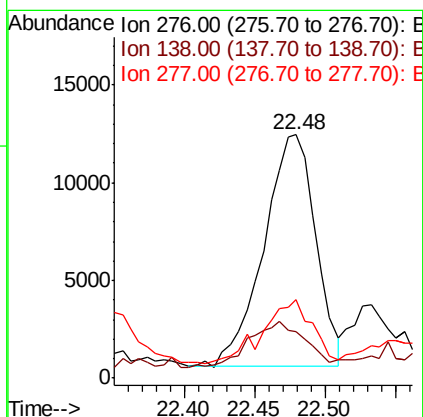
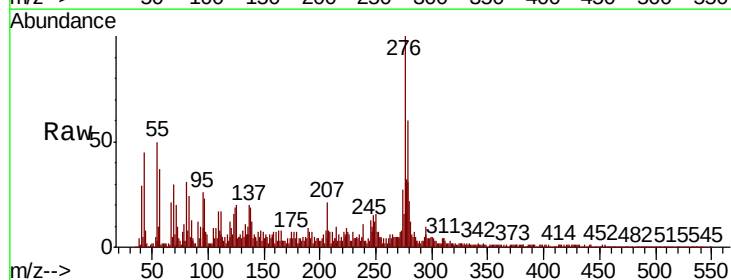
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

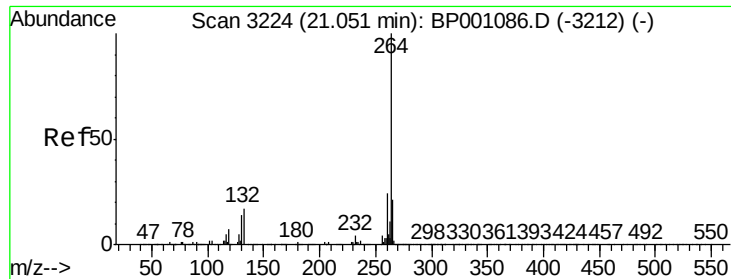
Tot Ion:228 Resp: 306933
Ion Ratio Lower Upper
228 100
226 29.9 23.7 35.5
229 22.4 15.2 22.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.415 ng
RT: 22.48 min Scan# 3467
Delta R.T. -0.19 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:276 Resp: 30263
Ion Ratio Lower Upper
276 100
138 22.7 17.9 26.9
277 26.9 20.1 30.1

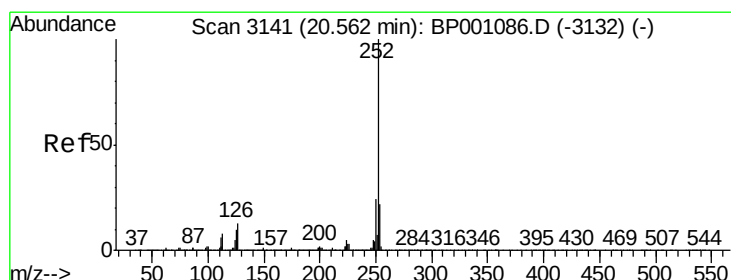
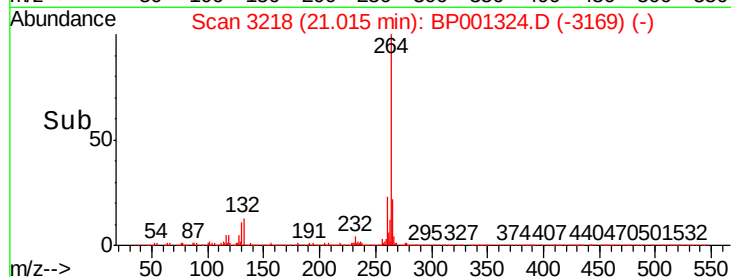
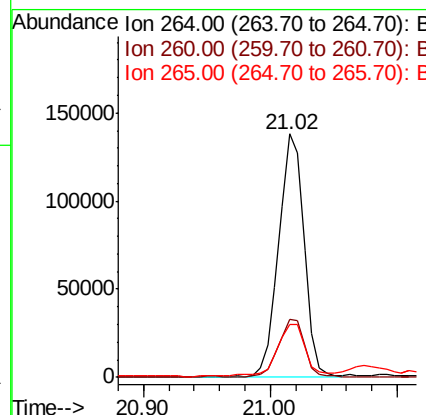
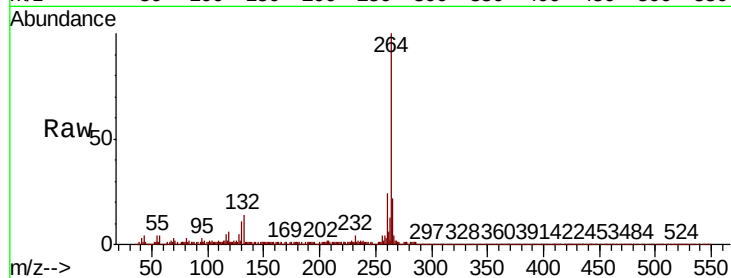




#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

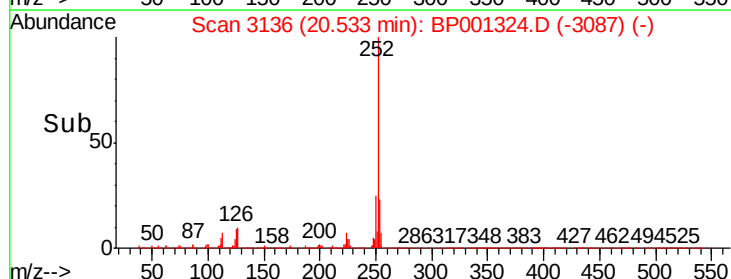
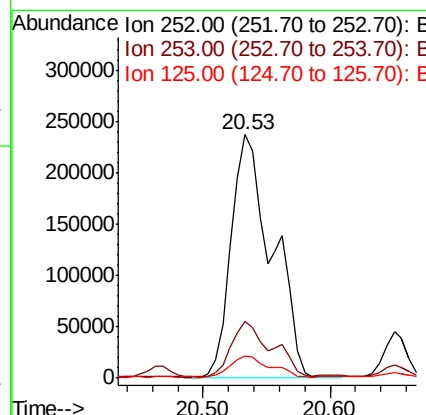
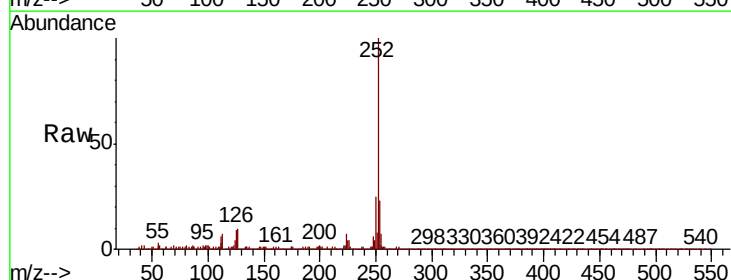
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

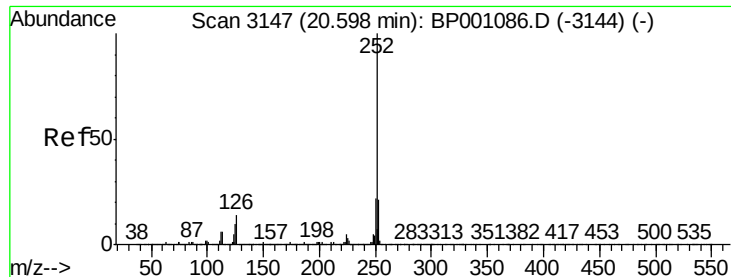
Tot Ion:264 Resp: 191204
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.0 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 45.089 ng
RT: 20.53 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion:252 Resp: 526579
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 8.9 6.6 9.8

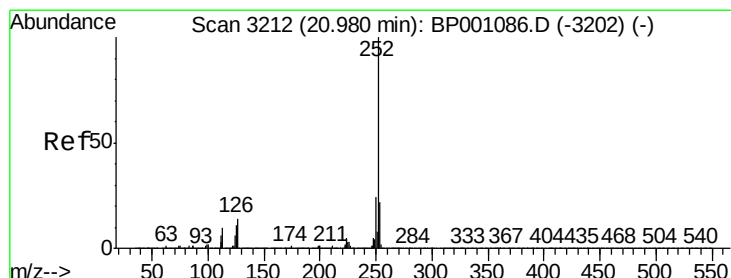
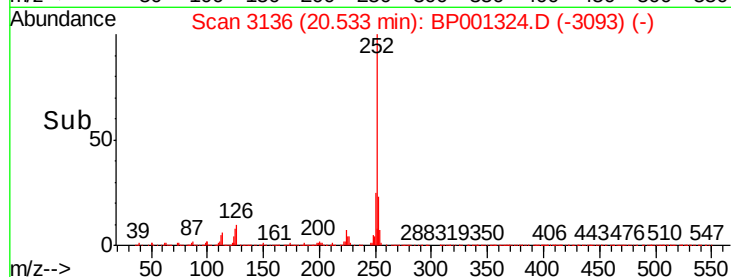
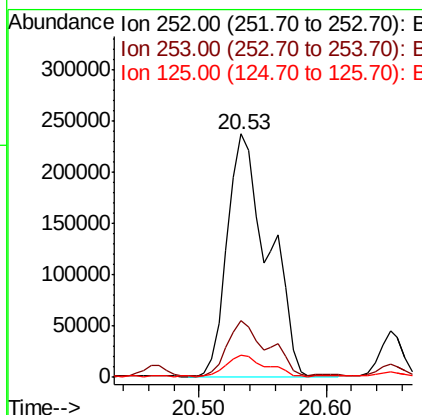
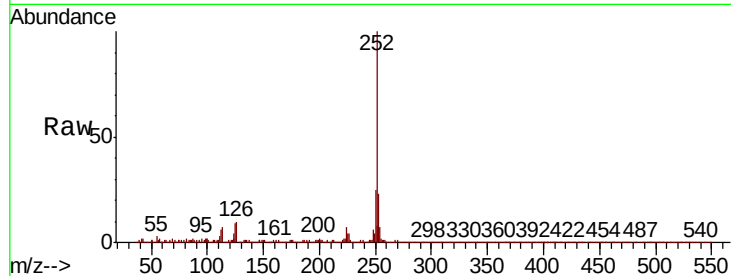




#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 20.53 min Scan# 3136
Delta R.T. -0.05 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

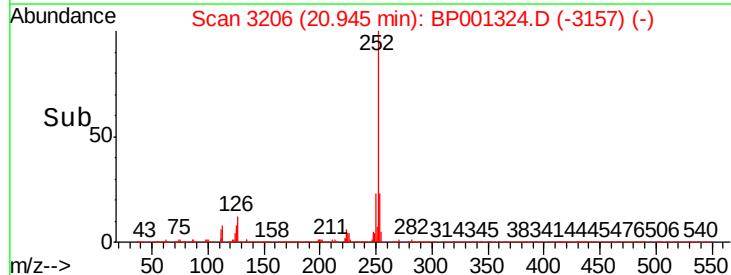
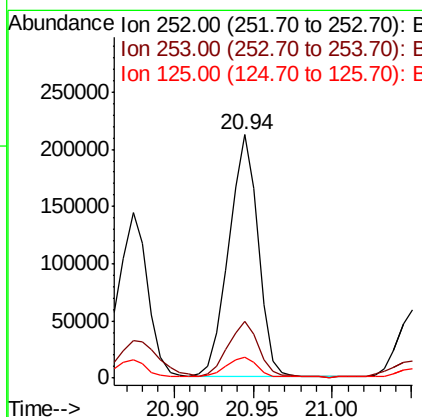
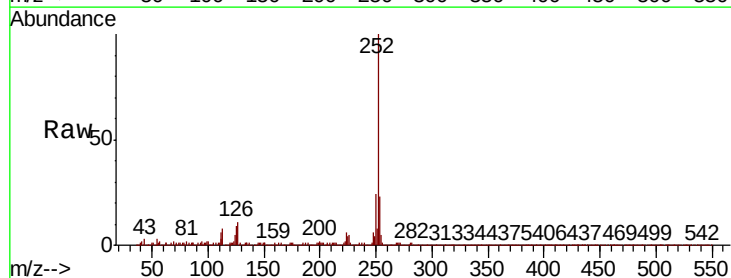
Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

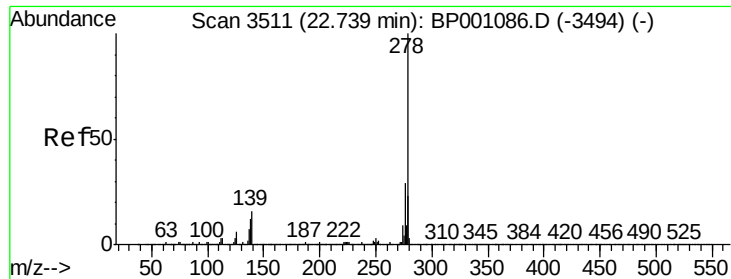
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	8.9	6.2	9.4



#90
Benzo(a)pyrene
Concen: 25.231 ng
RT: 20.94 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.8	25.2
125	8.7	7.8	11.6

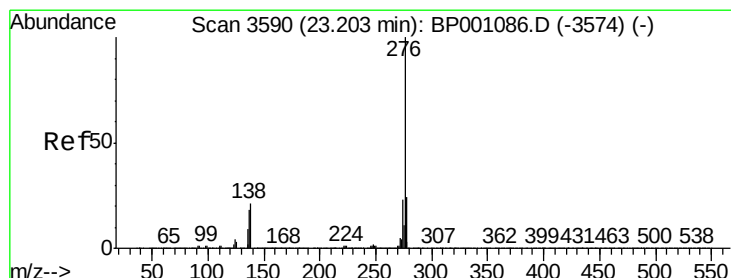
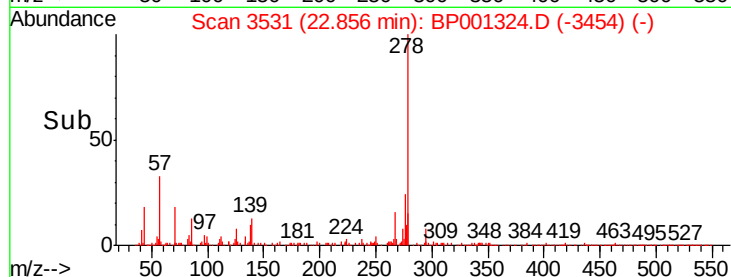
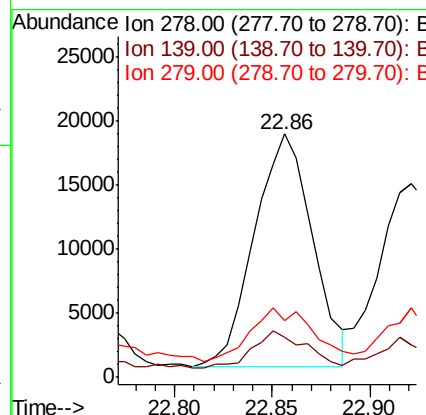
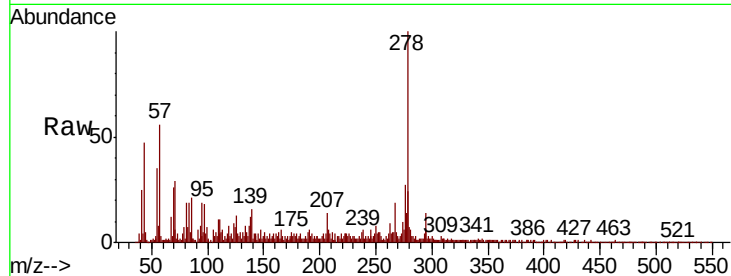




#91
Dibenzo(a,h)anthracene
Concen: 3.565 ng
RT: 22.86 min Scan# 3531
Delta R.T. 0.15 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Instrument :
BNA_P
ClientSampleId :
K072-AA-WC-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.6	17.4
279	23.5	18.7	28.1



#92
Benzo(g,h,i)perylene
Concen: 15.696 ng
RT: 23.14 min Scan# 3580
Delta R.T. -0.02 min
Lab File: BP001324.D
Acq: 11 Dec 2019 21:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	17.2	15.6	23.4

