

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001406.D
 Acq On : 25 Dec 2019 01:04
 Operator : JU
 Sample : K6399-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 07:12:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	47679	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	163194	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	88843	20.00	ng	0.00
64) Phenanthrene-d10	15.59	188	156215	20.00	ng	0.00
76) Chrysene-d12	19.25	240	128745	20.00	ng	0.02
87) Perylene-d12	21.02	264	125137	20.00	ng	0.03

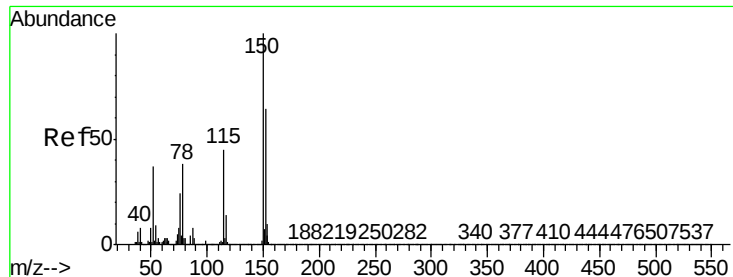
System Monitoring Compounds

5) 2-Fluorophenol	6.20	112	116673	39.55	ng	0.00
7) Phenol-d6	7.75	99	156675	40.70	ng	0.00
23) Nitrobenzene-d5	9.16	82	106462	25.05	ng	-0.01
42) 2,4,6-Tribromophenol	14.47	330	38299	34.48	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	165858	23.61	ng	0.00
79) Terphenyl-d14	17.87	244	143691	19.12	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	16201	5.928	ng	# 79
32) Benzoic acid	9.97	122	154	5.100	ng	# 74
50) Dimethylphthalate	12.77	163	25476	3.495	ng	99
52) Acenaphthene	13.23	154	41161	7.776	ng	98
55) Dibenzofuran	13.52	168	36098	4.352	ng	97
56) 4-Nitrophenol	13.52	139	16099	14.173	ng	# 1
58) Fluorene	14.08	166	79962	12.054	ng	98
71) Phenanthrene	15.63	178	1517864	170.307	ng	99
72) Anthracene	15.70	178	243952	27.650	ng	98
73) Carbazole	15.95	167	182227	23.166	ng	99
75) Fluoranthene	17.36	202	3097972	310.862	ng	97
78) Pvrene	17.67	202	2418284	241.919	ng	99
81) Benzo(a)anthracene	19.24	228	1205523	128.501	ng	99
83) Chrysene	19.29	228	1376859	152.052	ng	97
86) Indeno(1,2,3-cd)pyrene	22.69	276	643977	65.849	ng	97
88) Benzo(b)fluoranthene	20.56	252	2385421	290.263	ng	# 98
89) Benzo(k)fluoranthene	20.56	252	2385421	304.712	ng	# 97
90) Benzo(a)pyrene	20.97	252	1064622	142.206	ng	# 97
91) Dibenzo(a,h)anthracene	22.69	278	161572	22.073	ng	96
92) Benzo(a,h,i)perylene	23.17	276	562871	80.473	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

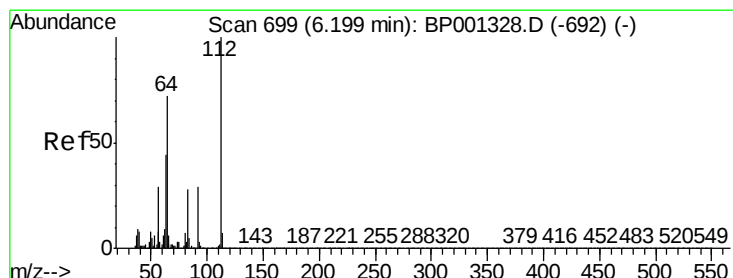
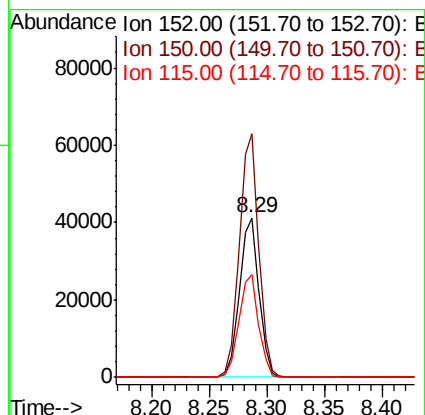
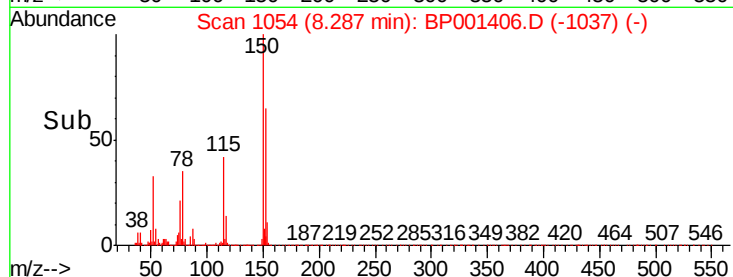
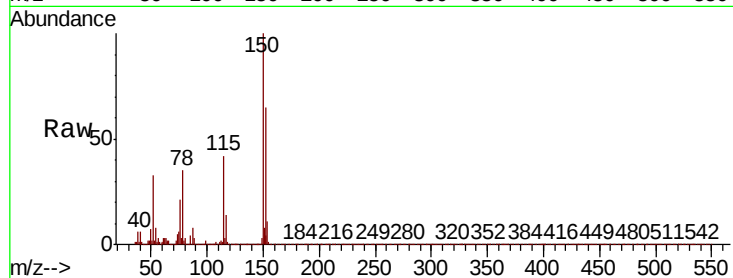
Tot Ion:152 Resp: 47679

Ion Ratio Lower Upper

152 100

150 152.8 127.0 190.6

115 64.2 56.1 84.1



#5

2-Fluorophenol

Concen: 39.549 ng

RT: 6.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

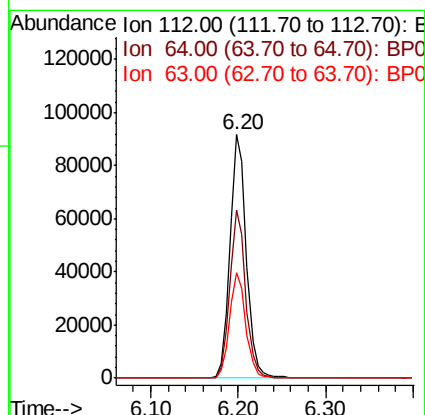
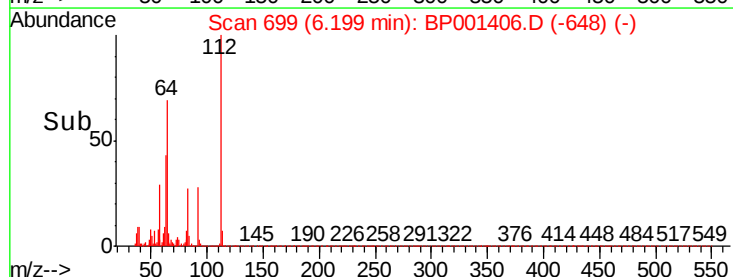
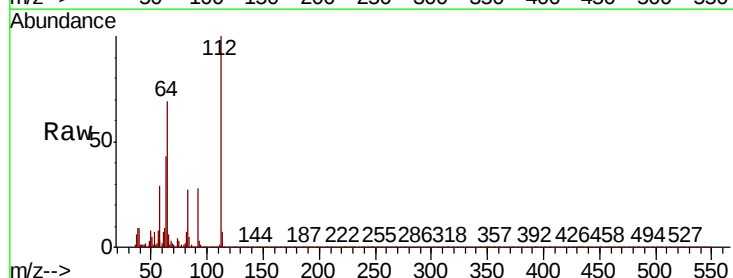
Tgt Ion:112 Resp: 116673

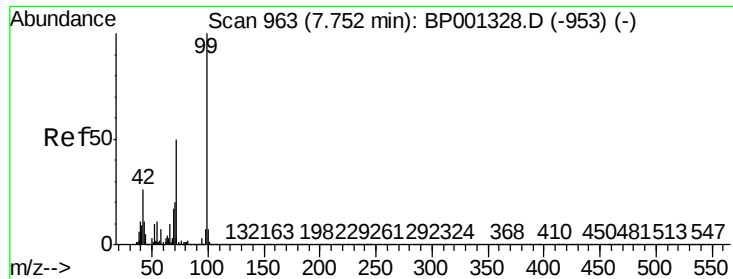
Ion Ratio Lower Upper

112 100

64 69.1 53.9 80.9

63 43.4 33.4 50.0





#7

Phenol-d6

Concen: 40.700 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

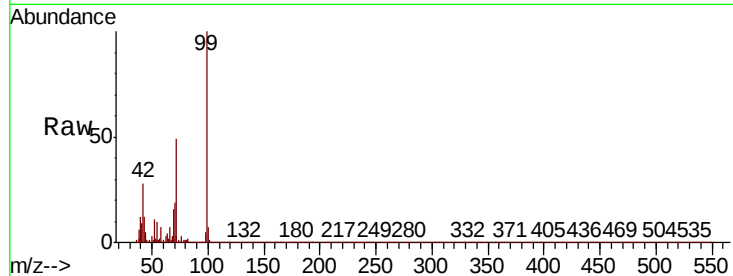
Tot Ion: 99 Resp: 156675

Ion Ratio Lower Upper

99 100

42 27.5 20.8 31.2

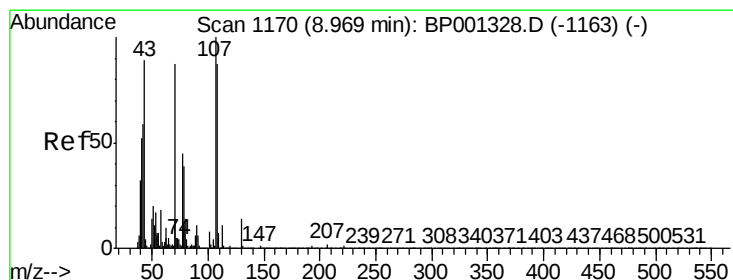
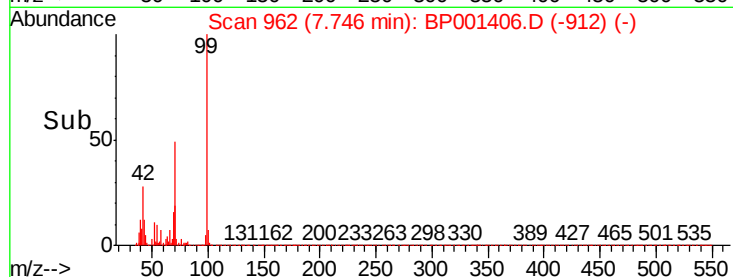
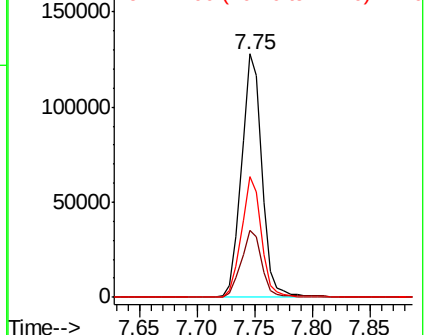
71 49.3 38.2 57.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.928 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.21 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion: 70 Resp: 16201

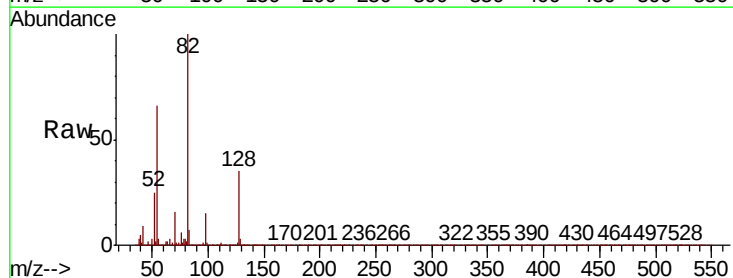
Ion Ratio Lower Upper

70 100

42 56.9 55.8 83.8

101 0.0 8.2 12.2#

130 1.6 14.5 21.7#

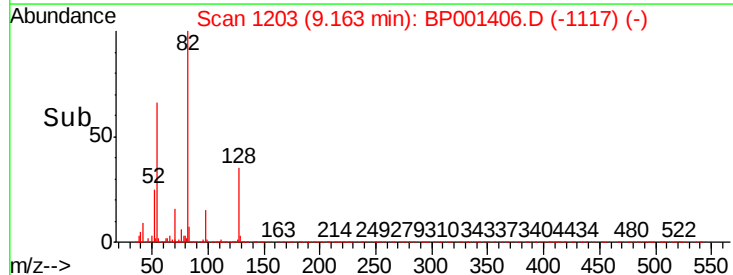
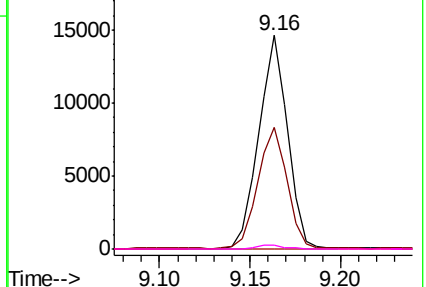


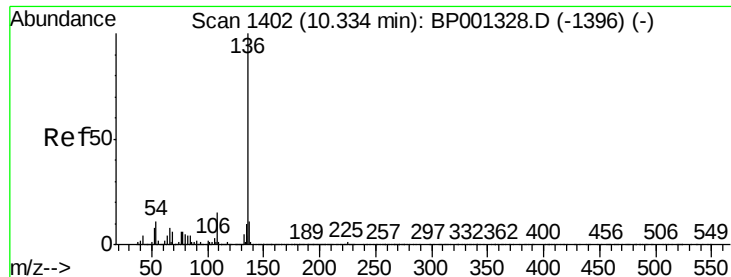
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

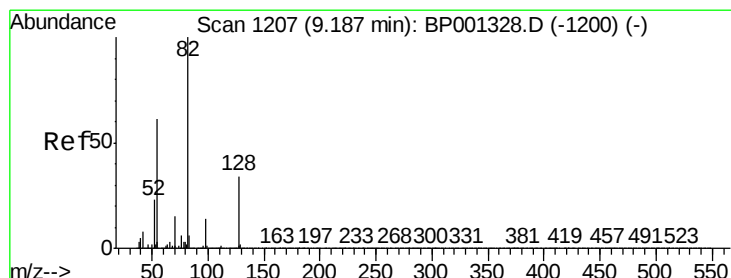
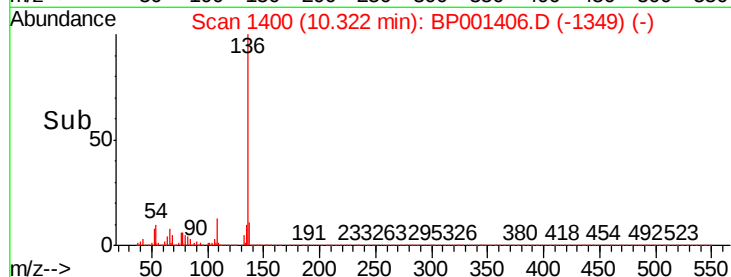
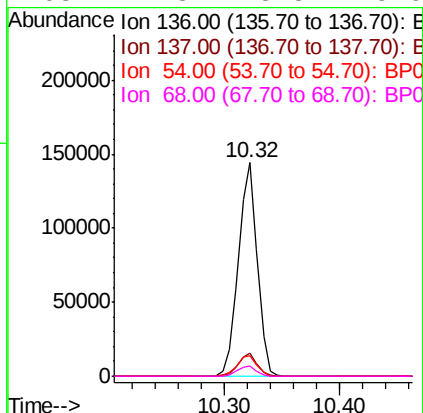
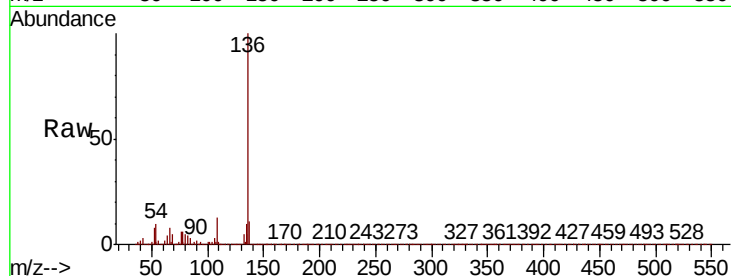




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

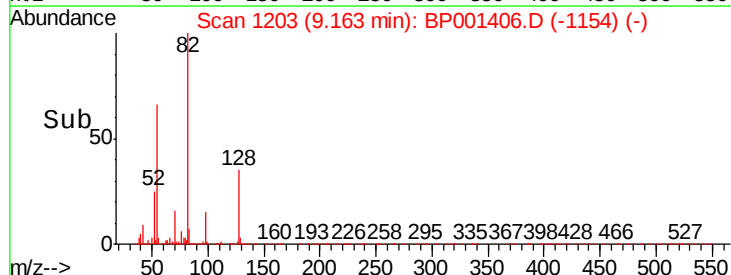
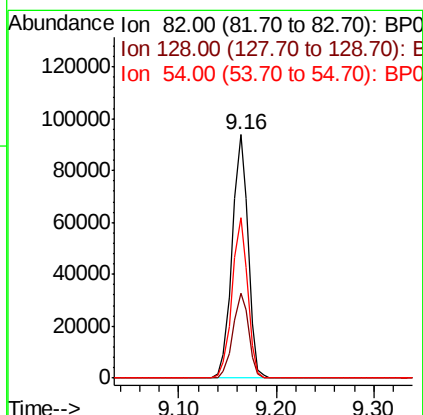
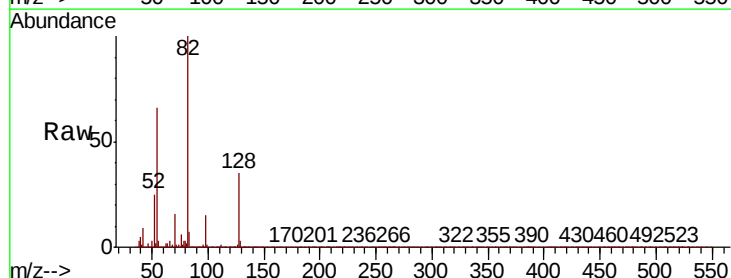
Instrument :
BNA_P
ClientSampleId :

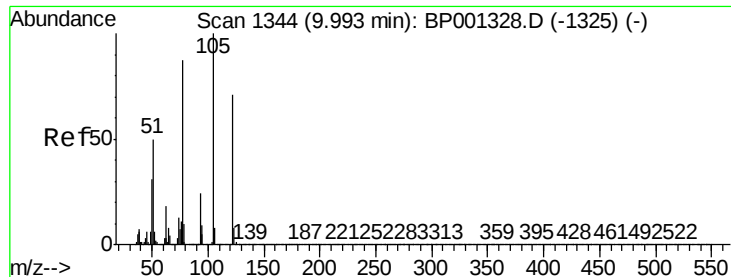
Tot Ion:136	Resp:	163194
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.0	13.4
54 9.8	7.3	10.9
68 4.8	3.8	5.6



#23
Nitrobenzene-d5
Concen: 25.052 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt	Ion: 82	Resp:	106462
Ion	Ratio	Lower	Upper
82	100		
128	34.8	27.4	41.0
54	66.0	47.5	71.3

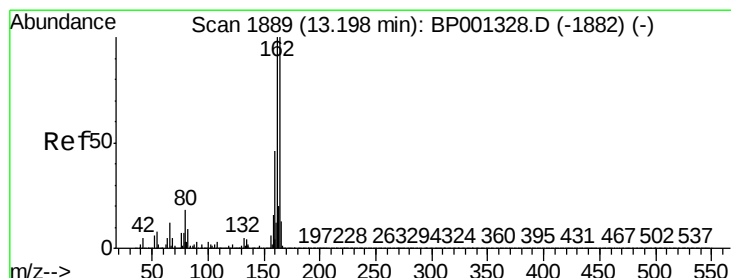
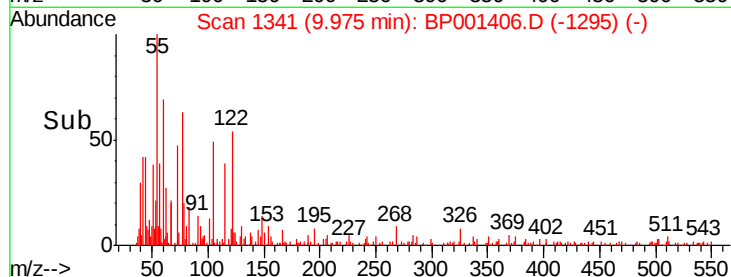
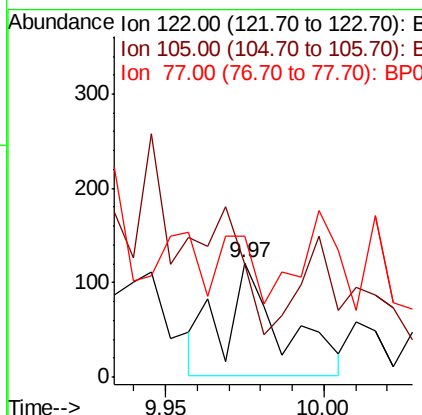
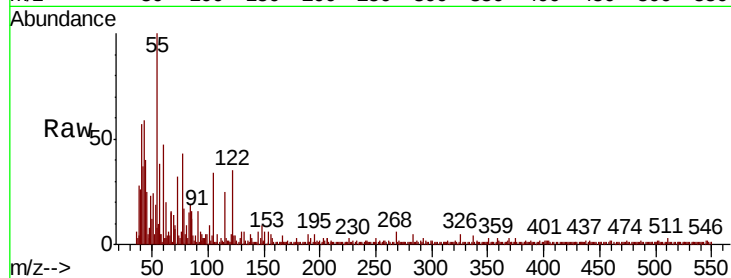




#32
Benzoic acid
Concen: 5.100 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

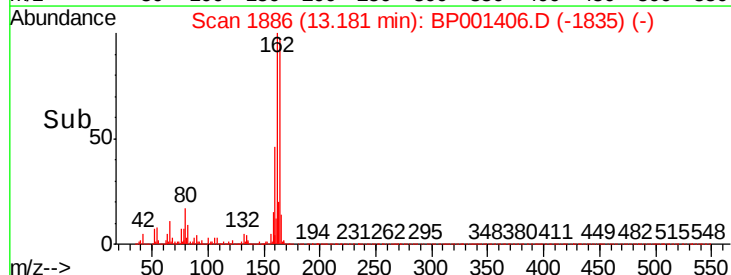
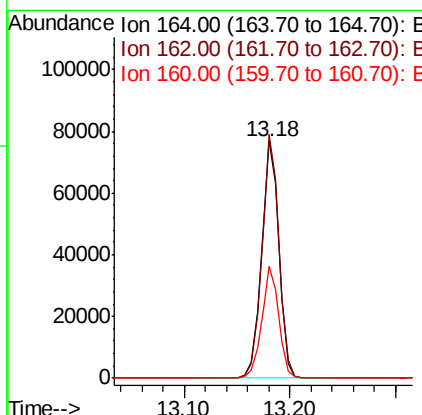
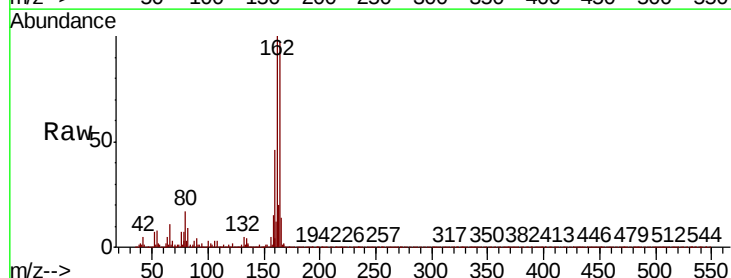
Instrument :
BNA_P
ClientSampled :

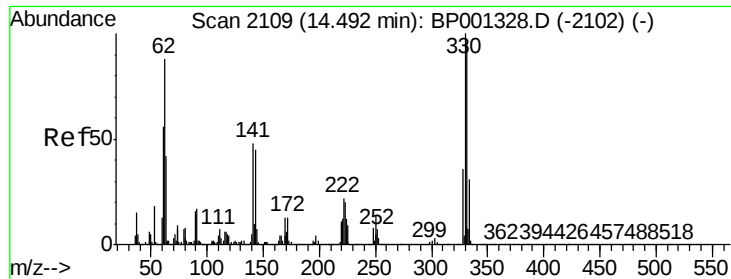
Tot Ion	Ratio	Lower	Upper
122	100		
105	98.3	117.8	157.8#
77	123.1	85.6	125.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	78.2	117.4
160	47.4	35.1	52.7

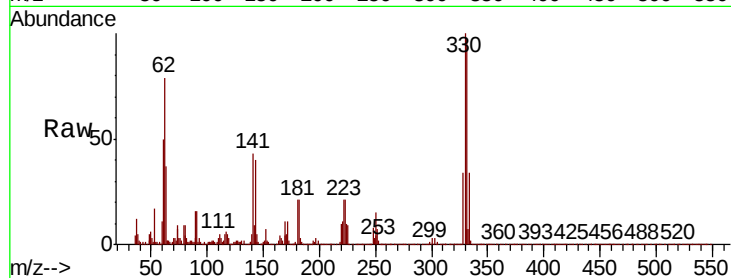




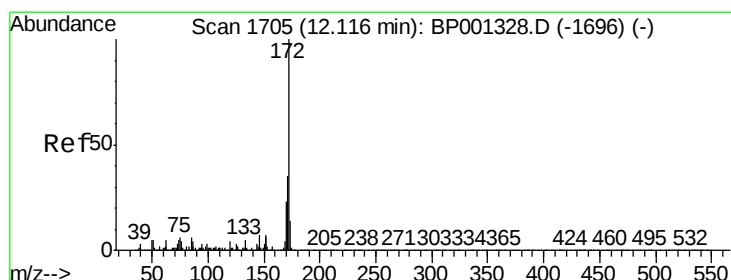
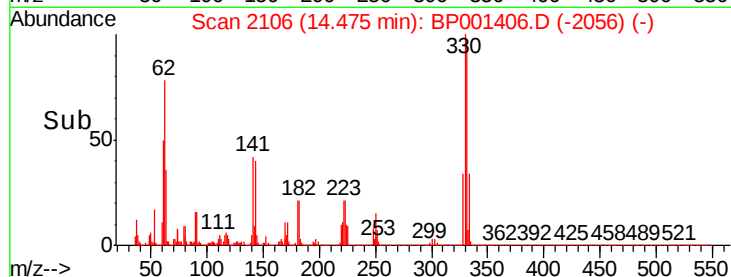
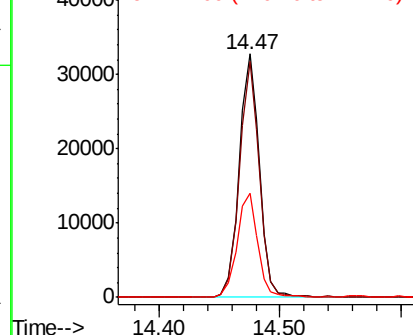
#42
2,4,6-Tribromophenol
Concen: 34.481 ng
RT: 14.47 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 38299
Ion Ratio Lower Upper
330 100
332 95.0 78.3 117.5
141 44.1 26.8 40.2#

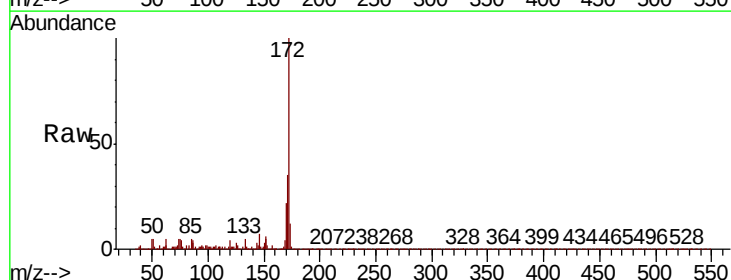


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

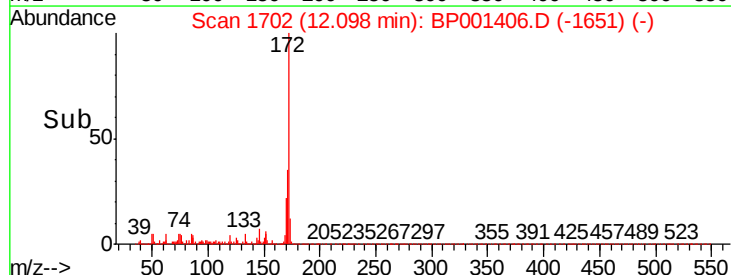
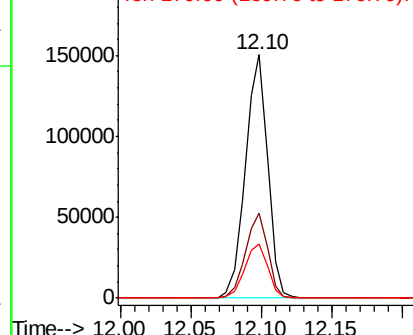


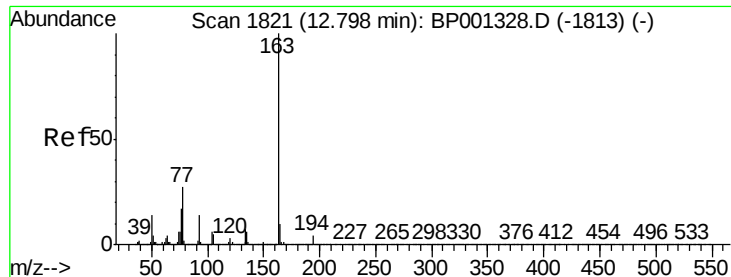
#45
2-Fluorobiphenyl
Concen: 23.606 ng
RT: 12.10 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion:172 Resp: 165858
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 22.2 18.2 27.4



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





#50

Dimethylphthalate

Concen: 3.495 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

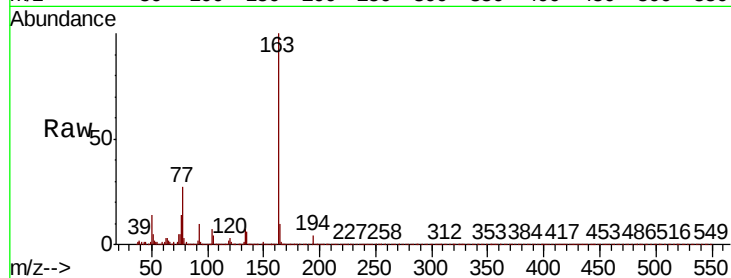
Tot Ion:163 Resp: 25476

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

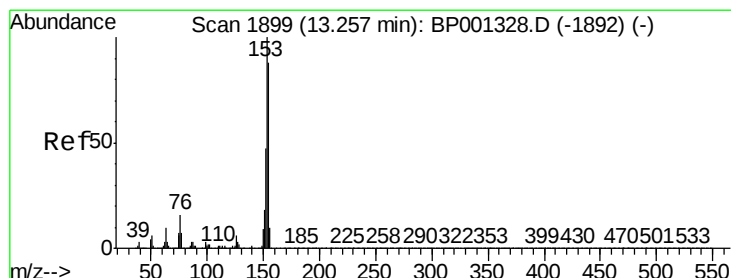
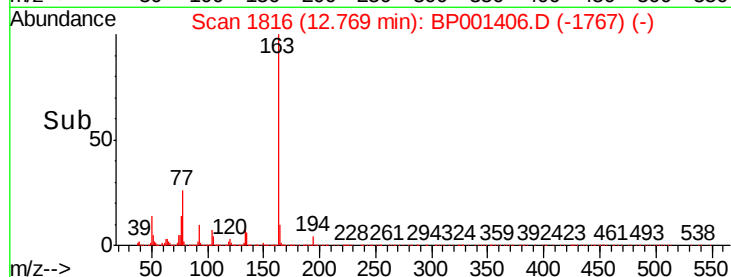
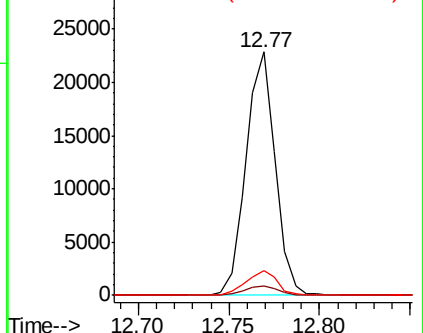
164 10.0 7.7 11.5



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



#52

Acenaphthene

Concen: 7.776 ng

RT: 13.23 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

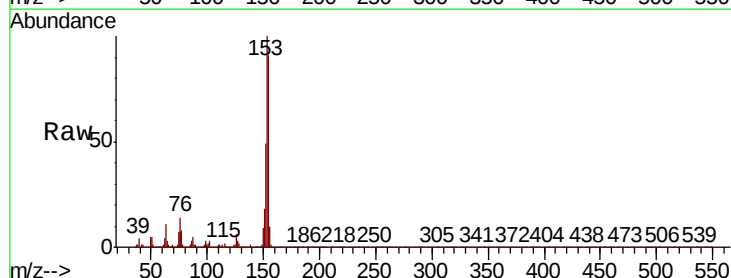
Tgt Ion:154 Resp: 41161

Ion Ratio Lower Upper

154 100

153 109.9 90.1 135.1

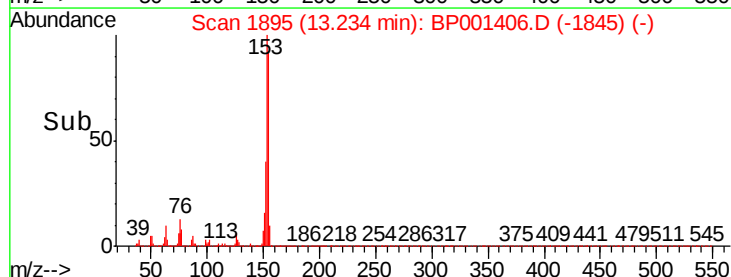
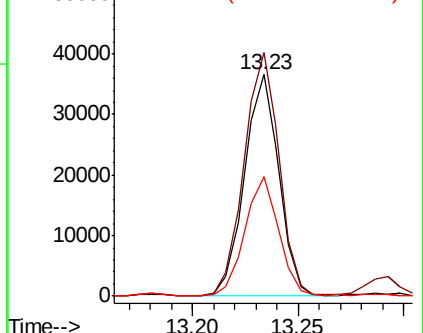
152 53.7 41.8 62.6

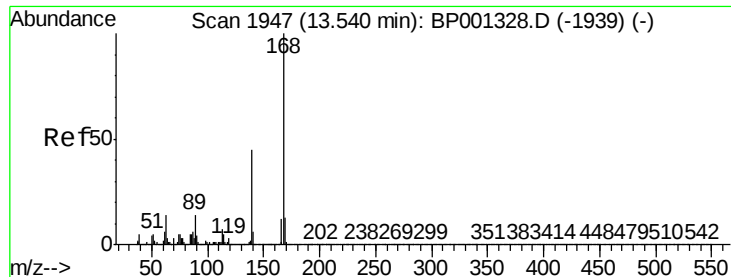


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 4.352 ng

RT: 13.52 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

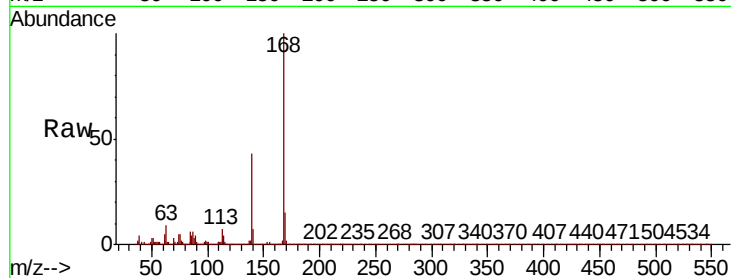
Instrument :

BNA_P

ClientSampleId :

Tot Ion:168 Resp: 36098

Ion	Ratio	Lower	Upper
168	100		
139	42.8	33.0	49.4
169	14.6	10.6	16.0

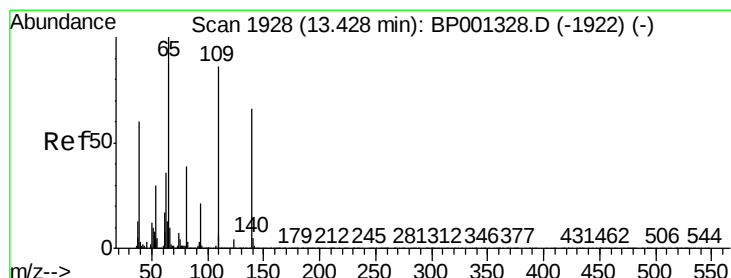
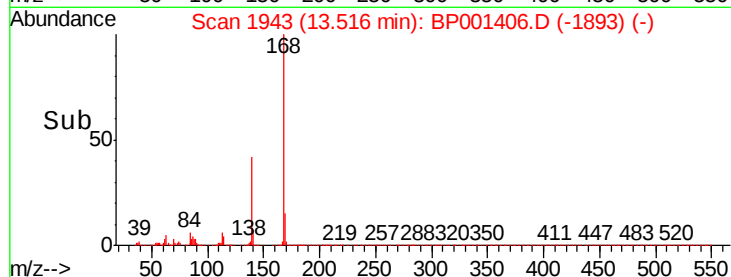
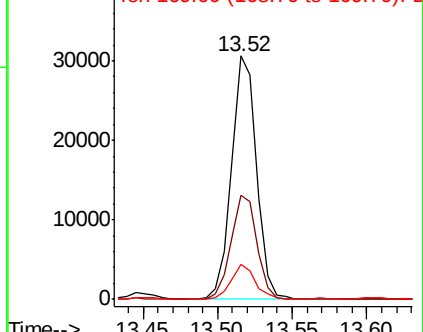


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 14.173 ng

RT: 13.52 min Scan# 1943

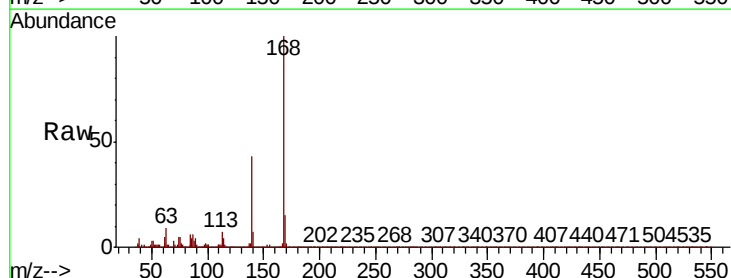
Delta R.T. 0.09 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion:139 Resp: 16099

Ion	Ratio	Lower	Upper
139	100		
109	1.5	99.7	139.7#
65	2.9	115.0	155.0#

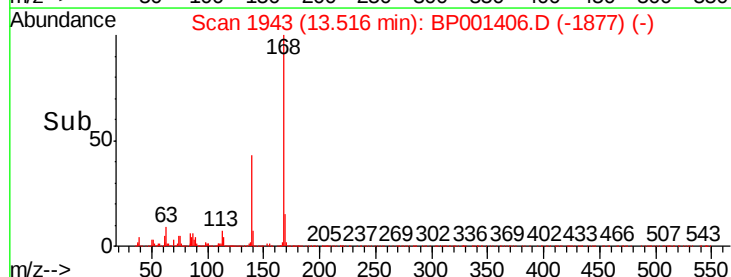
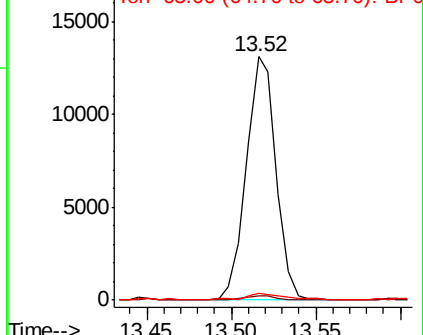


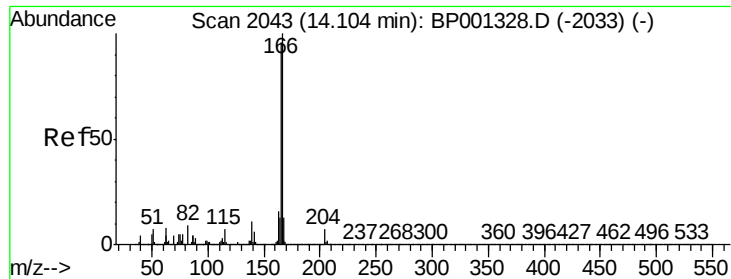
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO





#58

Fluorene

Concen: 12.054 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

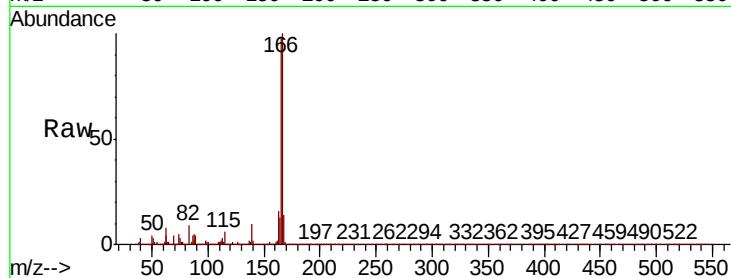
Tot Ion:166 Resp: 79962

Ion Ratio Lower Upper

166 100

165 97.6 76.6 114.8

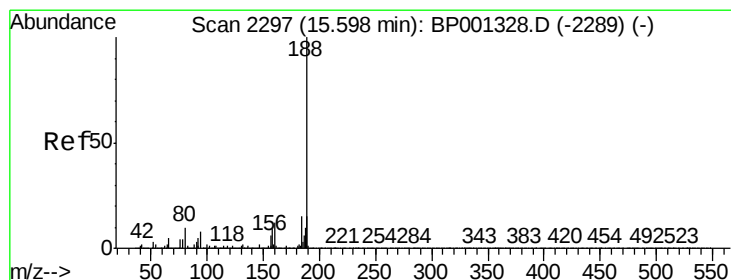
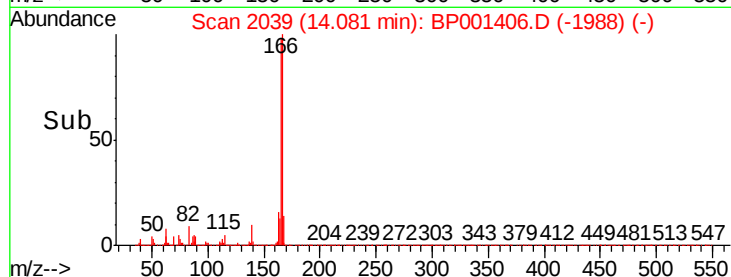
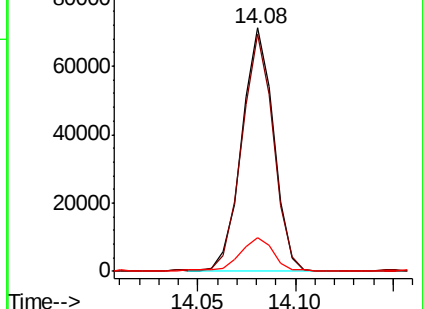
167 13.9 11.0 16.4



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: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

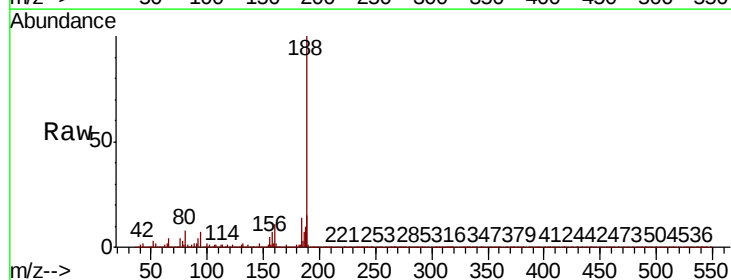
Tgt Ion:188 Resp: 156215

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.8

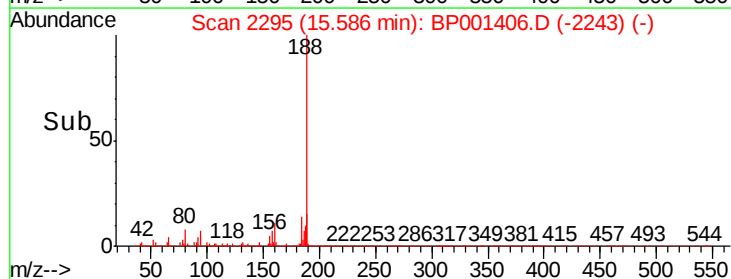
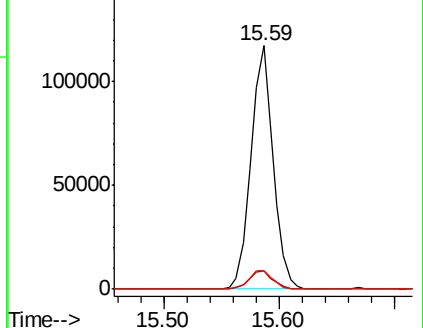
80 7.6 5.7 8.5

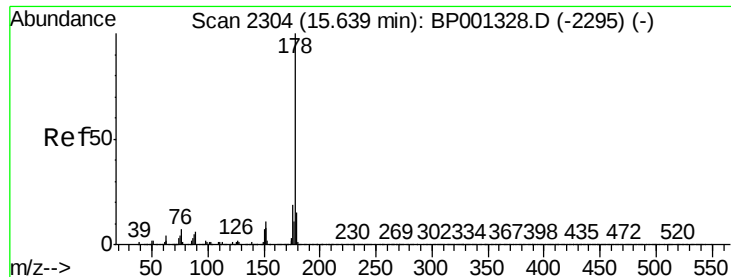


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 170.307 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.02 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

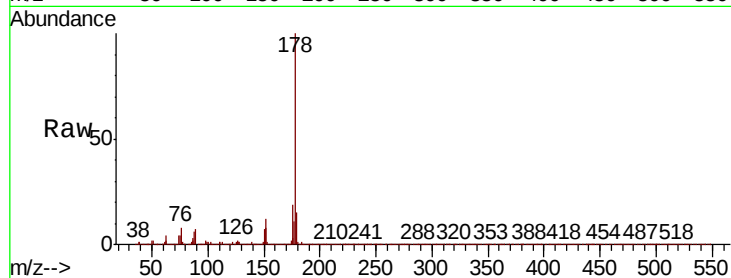
Tot Ion:178 Resp: 1517864

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.2	12.2	18.2

178 100

176 18.7 15.4 23.0

179 15.2 12.2 18.2

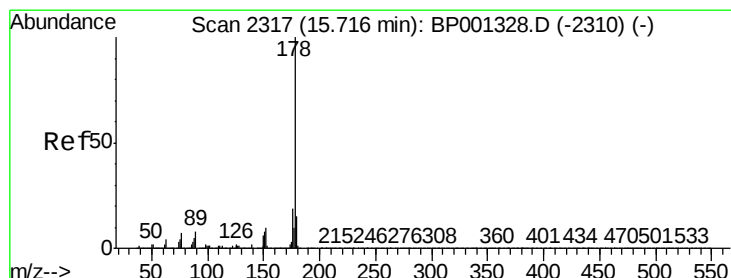
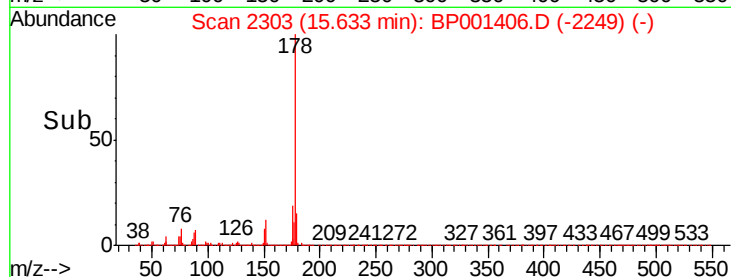
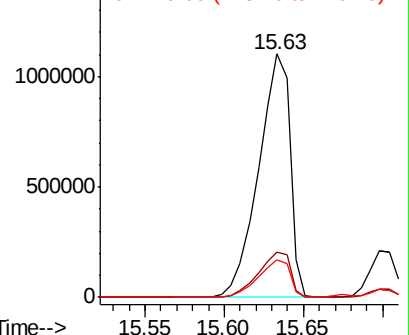


Abundance

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



#72

Anthracene

Concen: 27.650 ng

RT: 15.70 min Scan# 2314

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

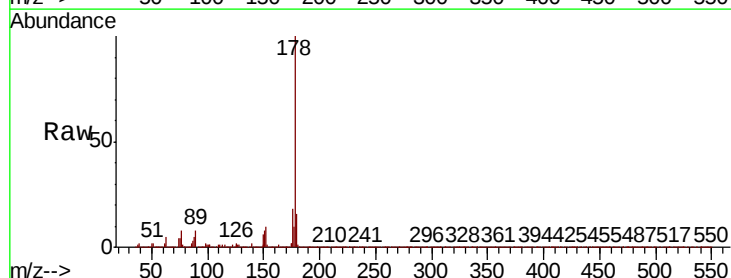
Tgt Ion:178 Resp: 243952

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.5	21.7
179	16.0	11.8	17.8

178 100

176 18.4 14.5 21.7

179 16.0 11.8 17.8

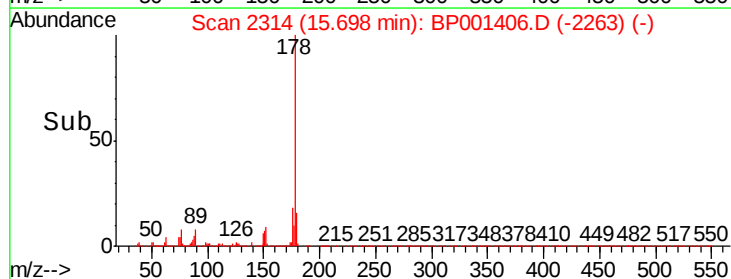
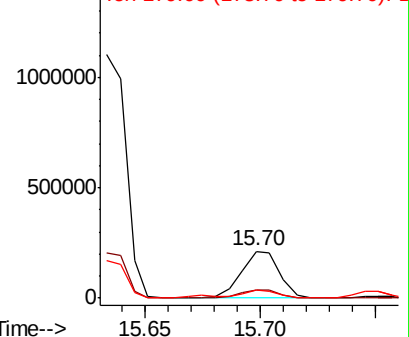


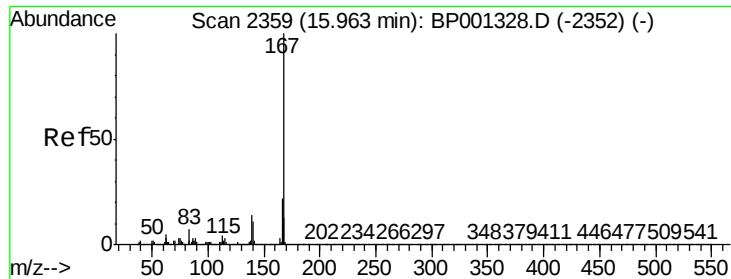
Abundance

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

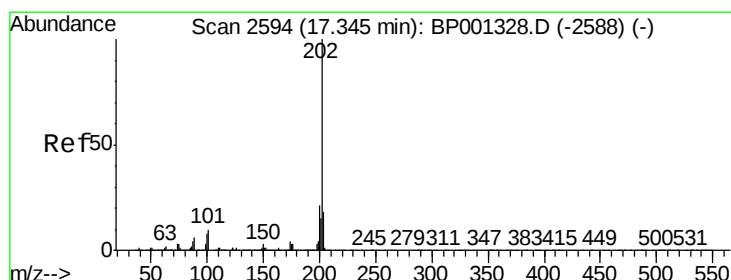
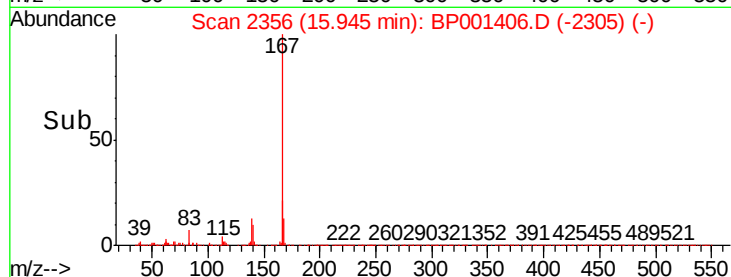
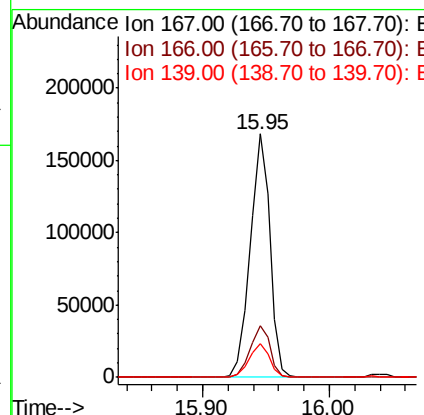
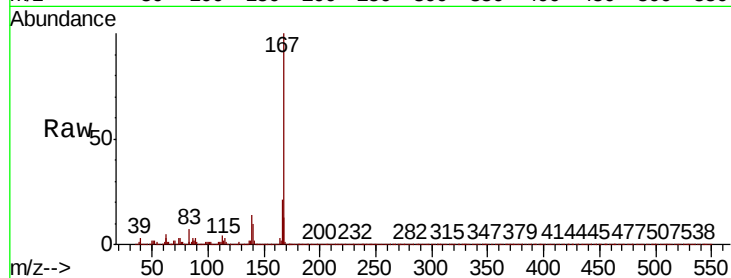




#73
 Carbazole
 Concen: 23.166 ng
 RT: 15.95 min Scan# 2356
 Delta R.T. -0.00 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

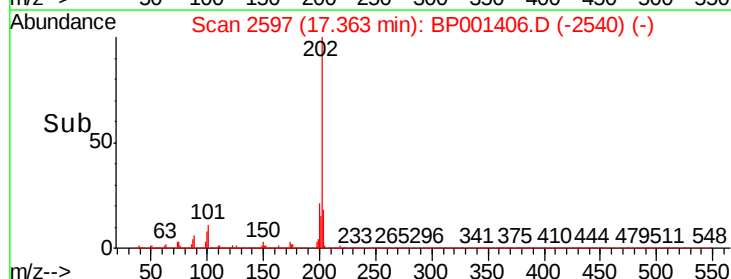
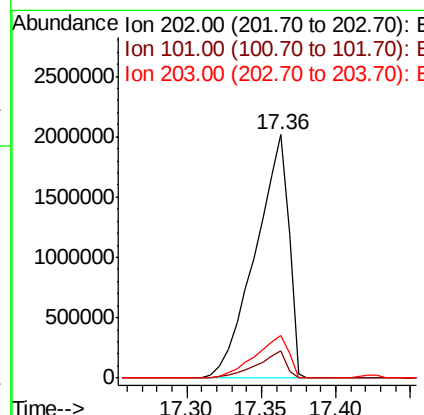
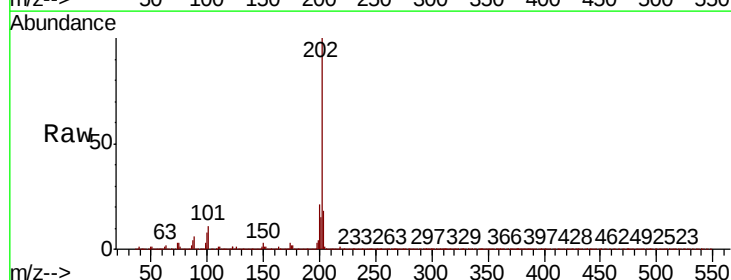
Instrument :
 BNA_P
 ClientSampleId :

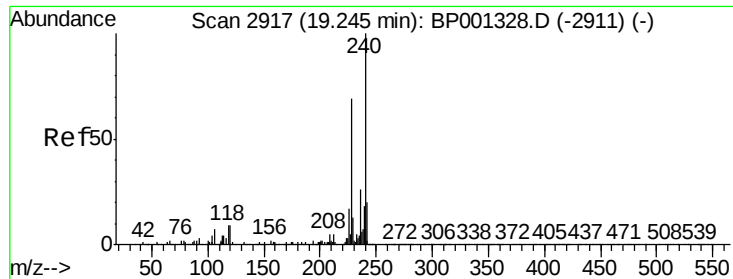
Tot Ion:167 Resp: 182227
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 13.9 10.9 16.3



#75
 Fluoranthene
 Concen: 310.862 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. 0.04 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

Tgt Ion:202 Resp: 3097972
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 28.7
 203 17.7 0.0 37.4

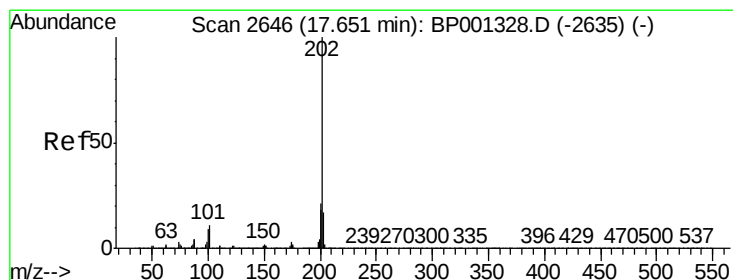
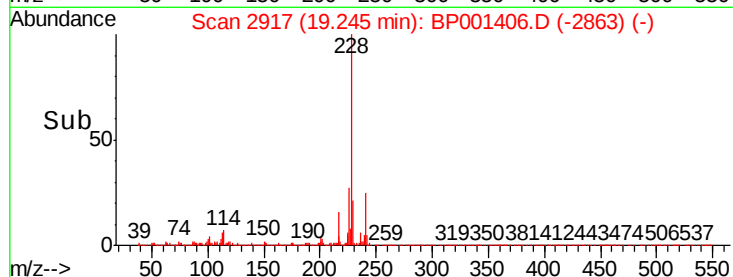
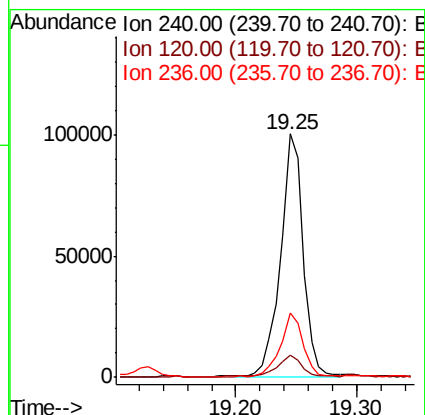
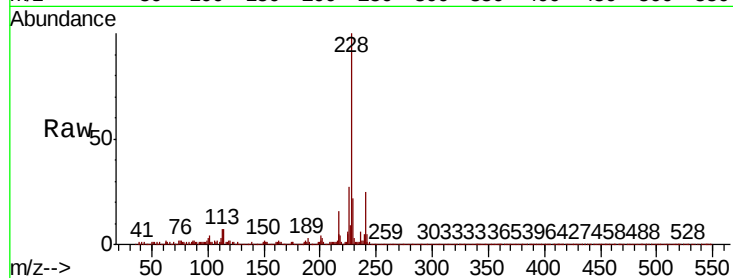




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2917
Delta R.T. 0.02 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

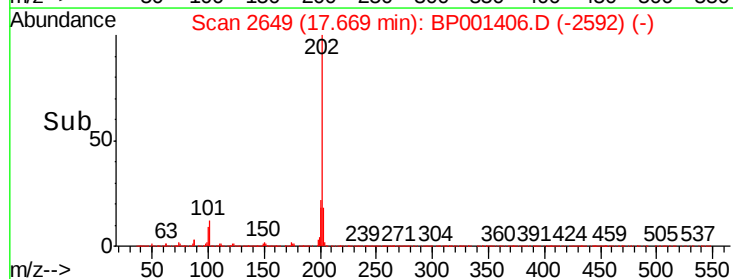
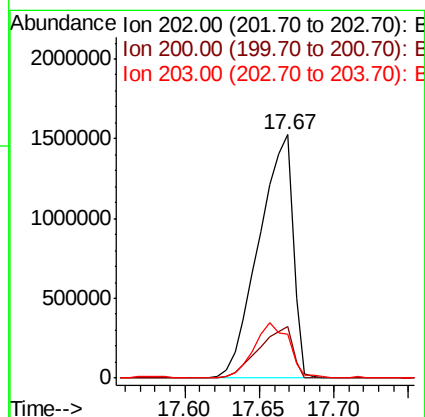
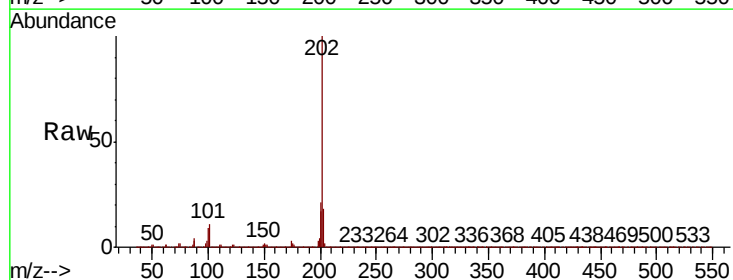
Instrument :
BNA_P
ClientSampled :

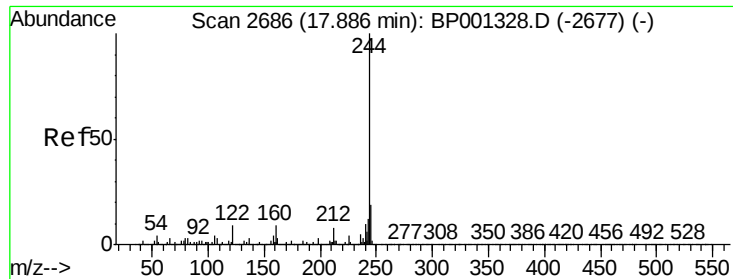
Tot Ion:240 Resp: 128745
Ion Ratio Lower Upper
240 100
120 8.9 6.2 9.2
236 26.2 20.2 30.2



#78
Pyrene
Concen: 241.919 ng
RT: 17.67 min Scan# 2649
Delta R.T. 0.04 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion:202 Resp: 2418284
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 17.9 14.3 21.5

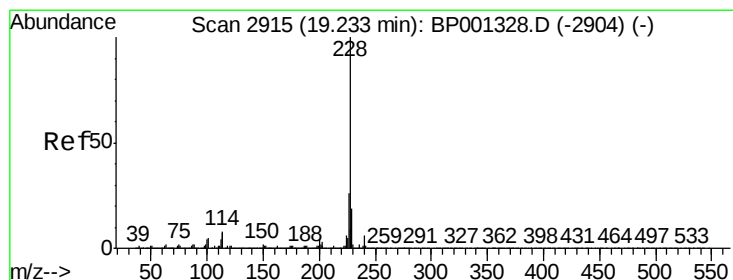
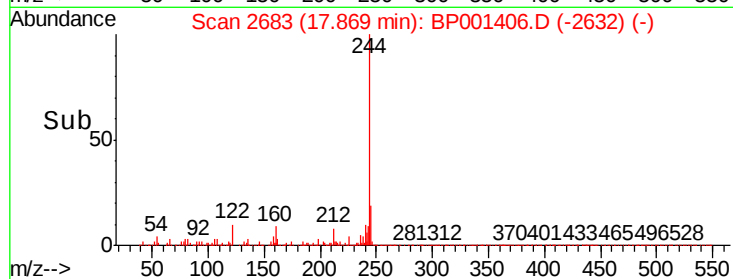
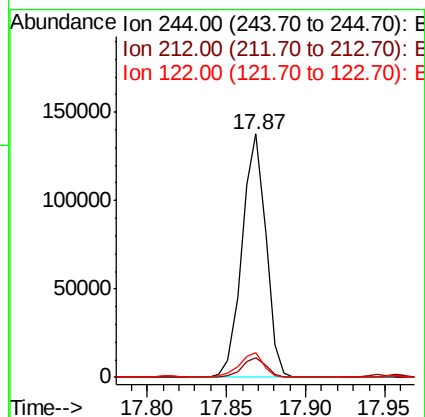
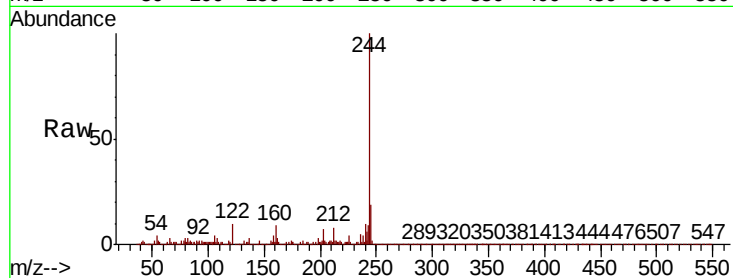




#79
 Terphenyl-d14
 Concen: 19.116 ng
 RT: 17.87 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

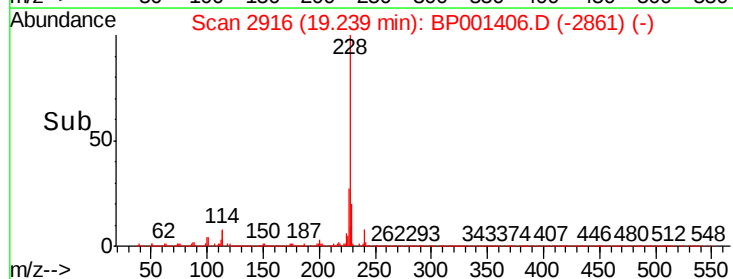
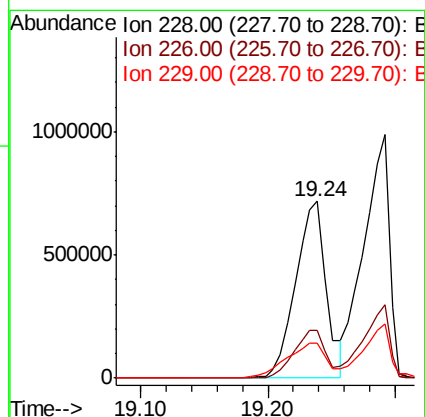
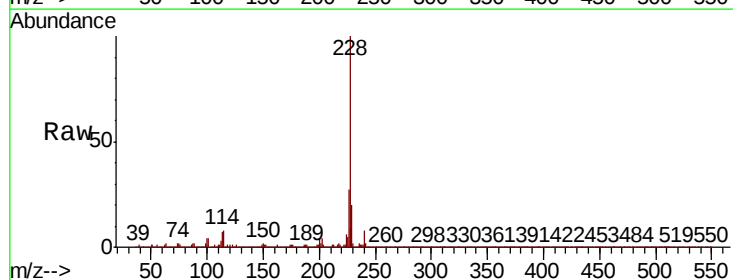
Instrument :
 BNA_P
 ClientSampleId :

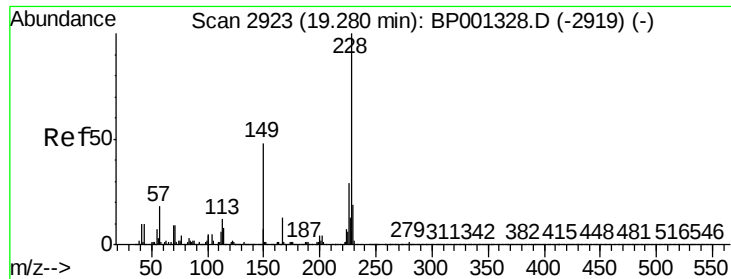
Tot Ion:244 Resp: 143691
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.8 8.8
 122 9.9 6.4 9.6#



#81
 Benzo(a)anthracene
 Concen: 128.501 ng
 RT: 19.24 min Scan# 2916
 Delta R.T. 0.02 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

Tgt Ion:228 Resp: 1205523
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.4 32.2
 229 20.0 15.7 23.5





#83

Chrysene

Concen: 152.052 ng

RT: 19.29 min Scan# 2925

Delta R.T. 0.03 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

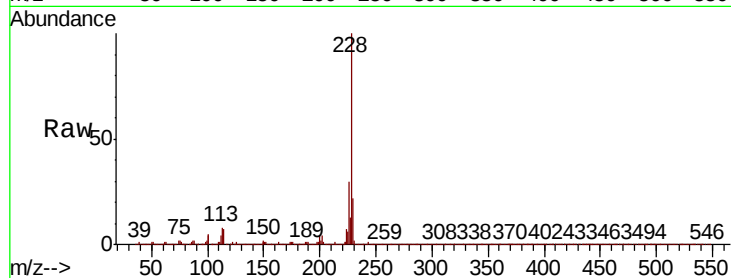
Instrument :

BNA_P

ClientSampled :

Tot Ion:228 Resp: 1376859

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	22.4	15.5	23.3

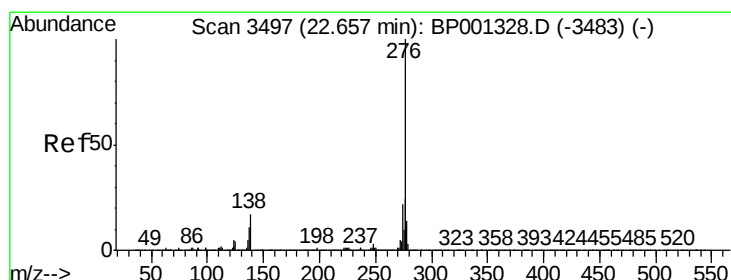
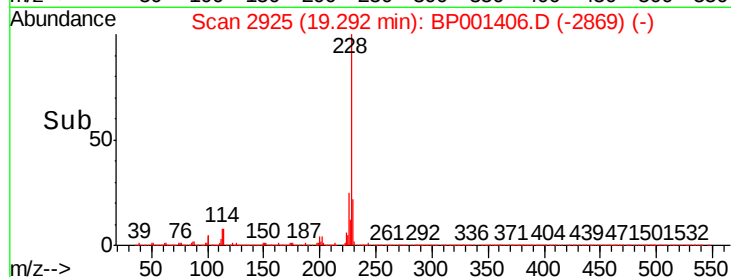
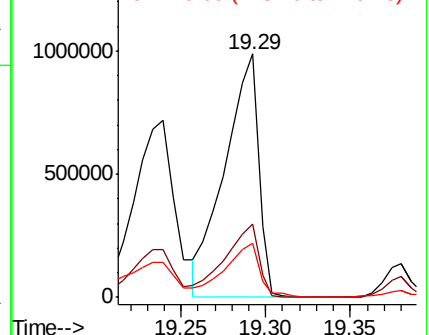


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 65.849 ng

RT: 22.69 min Scan# 3502

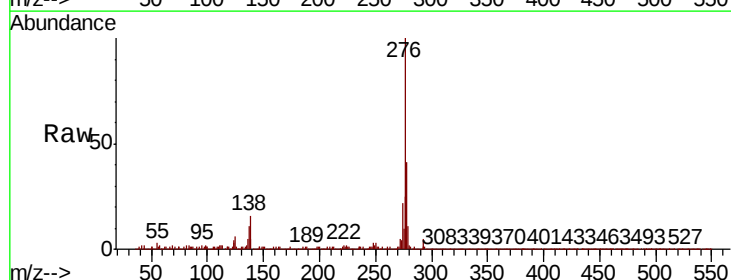
Delta R.T. 0.06 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion:276 Resp: 643977

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	27.2	19.9	29.9

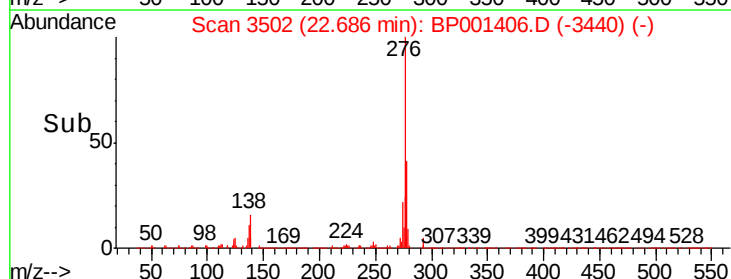
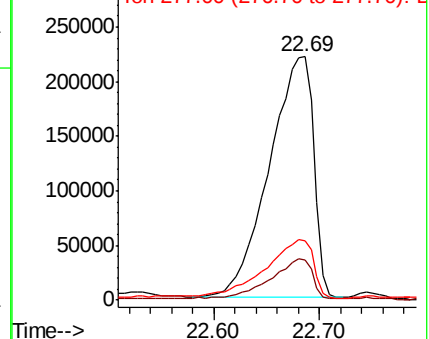


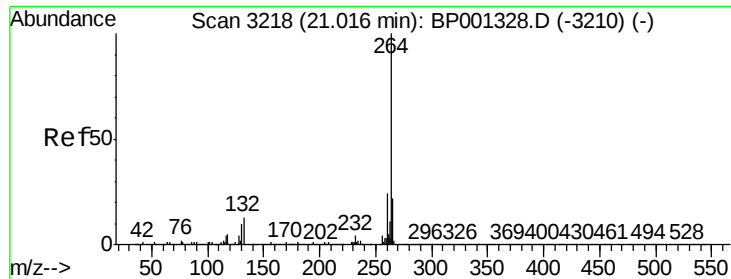
Abundance

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



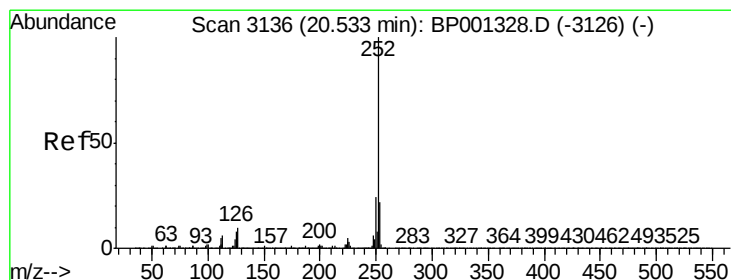
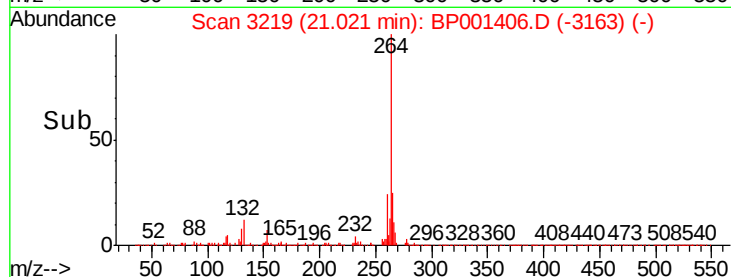
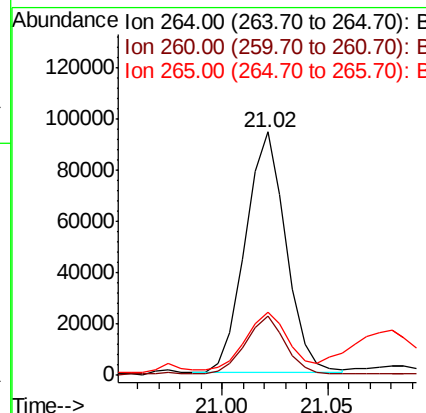
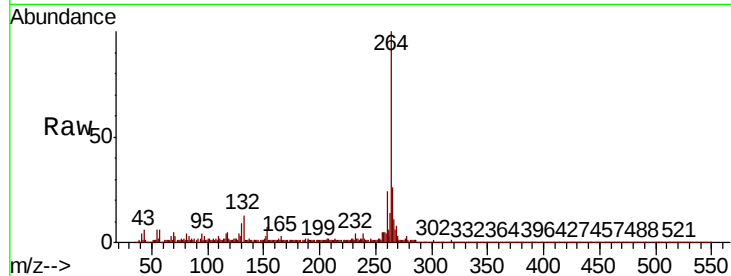


#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3219
Delta R.T. 0.03 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 125137

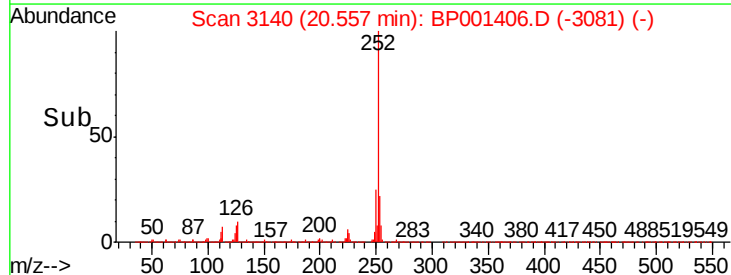
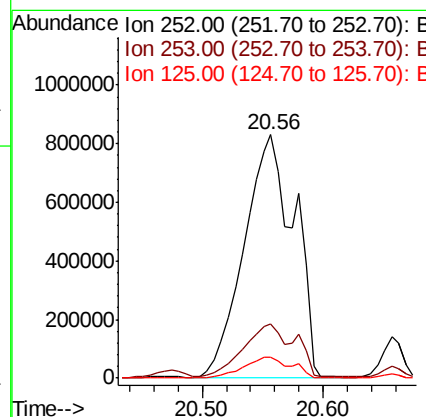
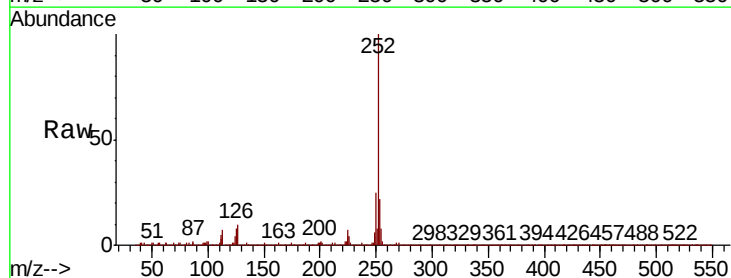
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	25.7	17.0	25.4#

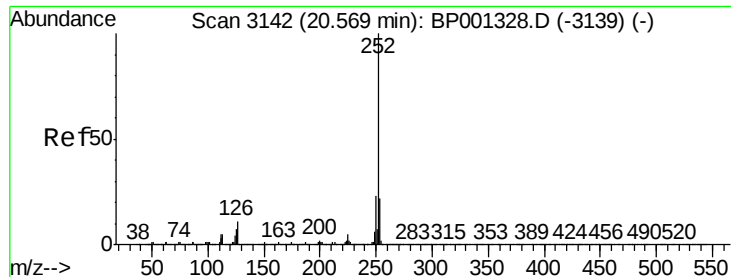


#88
Benzo(b)fluoranthene
Concen: 290.263 ng
RT: 20.56 min Scan# 3140
Delta R.T. 0.05 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion:252 Resp: 2385421

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.5	5.6	8.4#

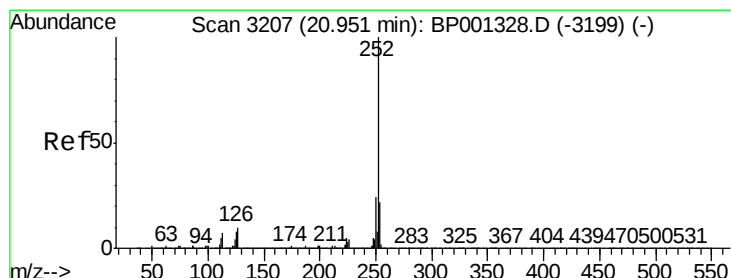
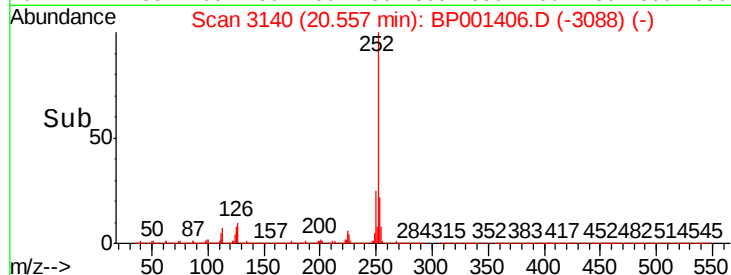
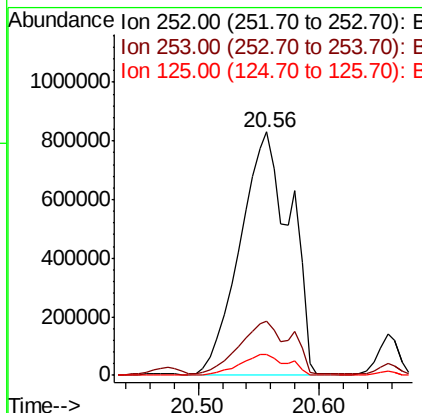
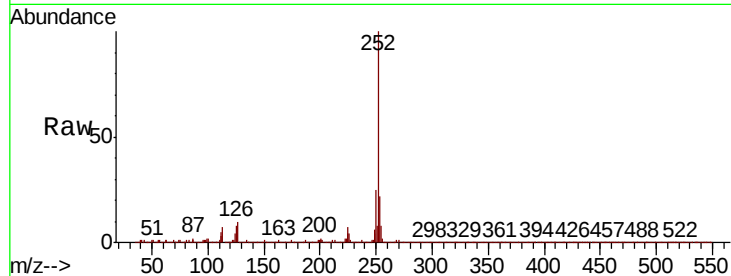




#89
Benzo(k)fluoranthene
Concen: 304.712 ng
RT: 20.56 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

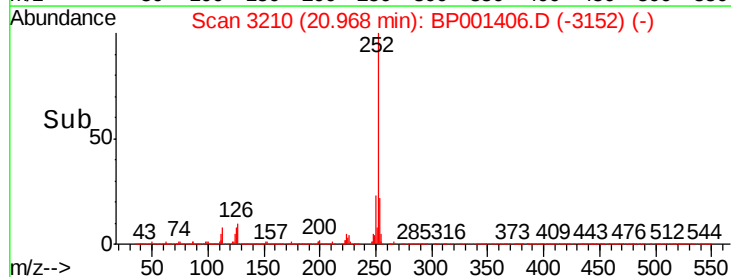
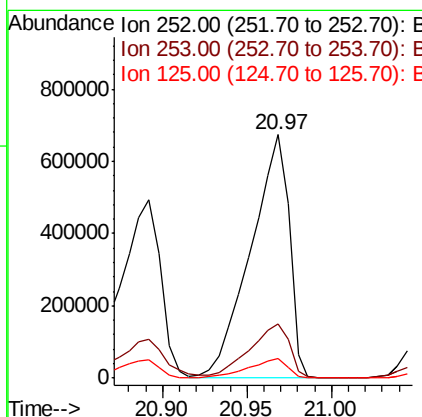
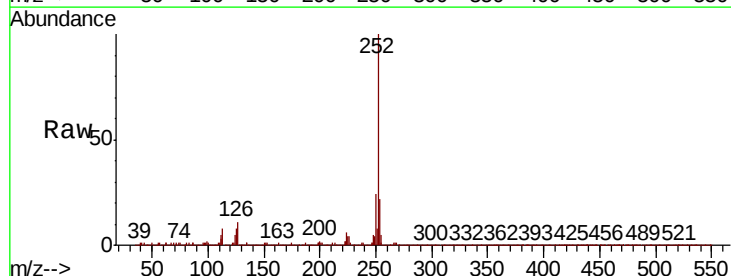
Instrument :
BNA_P
ClientSampleId :

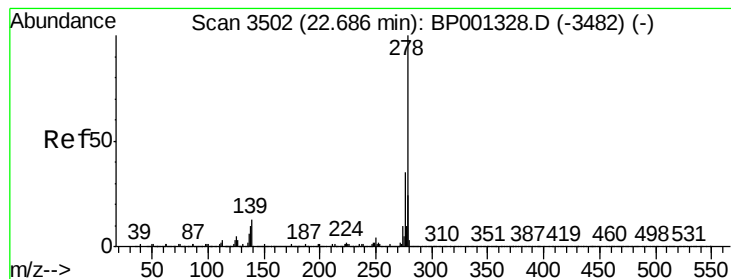
Tot Ion:252 Resp: 2385421
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.5 4.5 6.7#



#90
Benzo(a)pyrene
Concen: 142.206 ng
RT: 20.97 min Scan# 3210
Delta R.T. 0.04 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion:252 Resp: 1064622
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 8.2 5.2 7.8#





#91

Dibenzo(a,h)anthracene

Concen: 22.073 ng

RT: 22.69 min Scan# 3503

Delta R.T. 0.05 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

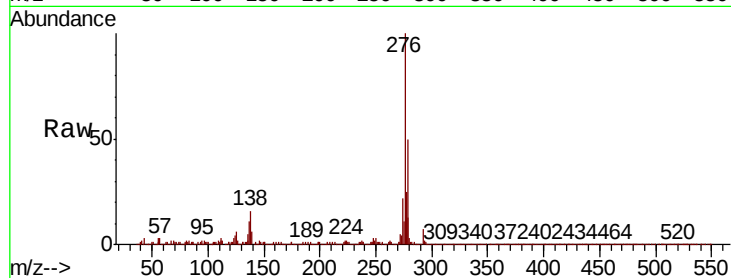
Instrument :

BNA_P

ClientSampleId :

Tot Ion:278 Resp: 161572

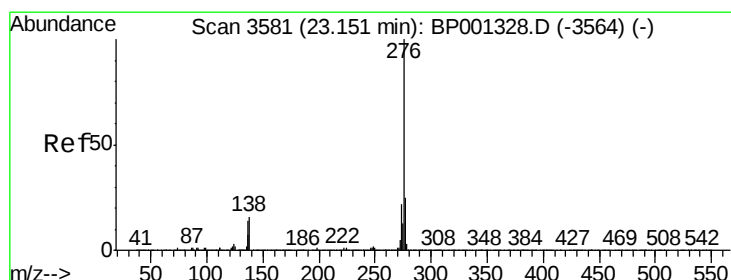
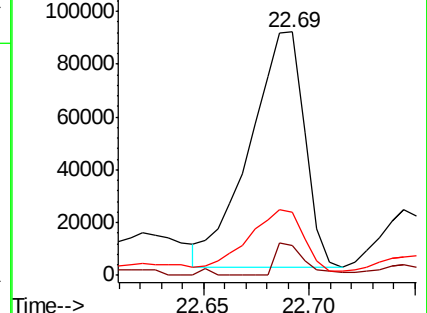
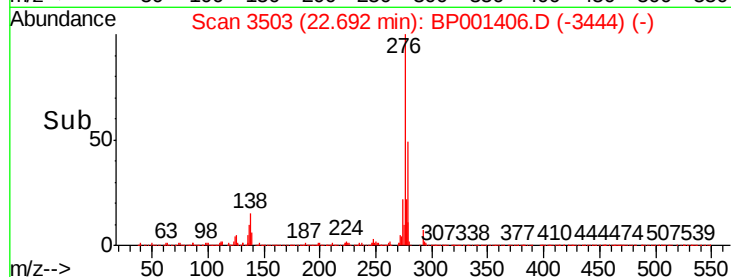
Ion	Ratio	Lower	Upper
278	100		
139	12.2	8.3	12.5
279	25.7	19.1	28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 80.473 ng

RT: 23.17 min Scan# 3585

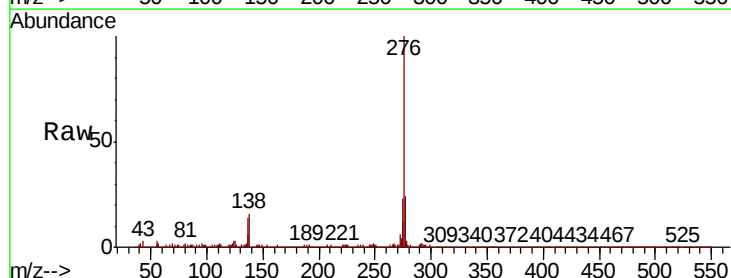
Delta R.T. 0.06 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion:276 Resp: 562871

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	27.8
138	16.0	10.5	15.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

