

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001372.D
 Acq On : 23 Dec 2019 17:38
 Operator : JU
 Sample : K6372-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 24 01:30:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 03:20:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	51312	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	196102	20.00	ng	0.05
39) Acenaphthene-d10	13.20	164	101490	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	188774	20.00	ng	0.00
76) Chrysene-d12	19.25	240	148573	20.00	ng	0.00
87) Perylene-d12	21.03	264	153122	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.21	112	172665	54.38	ng	0.01
7) Phenol-d6	7.76	99	130383	31.47	ng	0.00
23) Nitrobenzene-d5	9.20	82	411286	80.54	ng	0.02
42) 2,4,6-Tribromophenol	14.50	330	167834	132.27	ng	0.01
45) 2-Fluorobiphenyl	12.13	172	705824	87.94	ng	0.01
79) Terphenyl-d14	17.89	244	819290	94.45	ng	0.00

Target Compounds

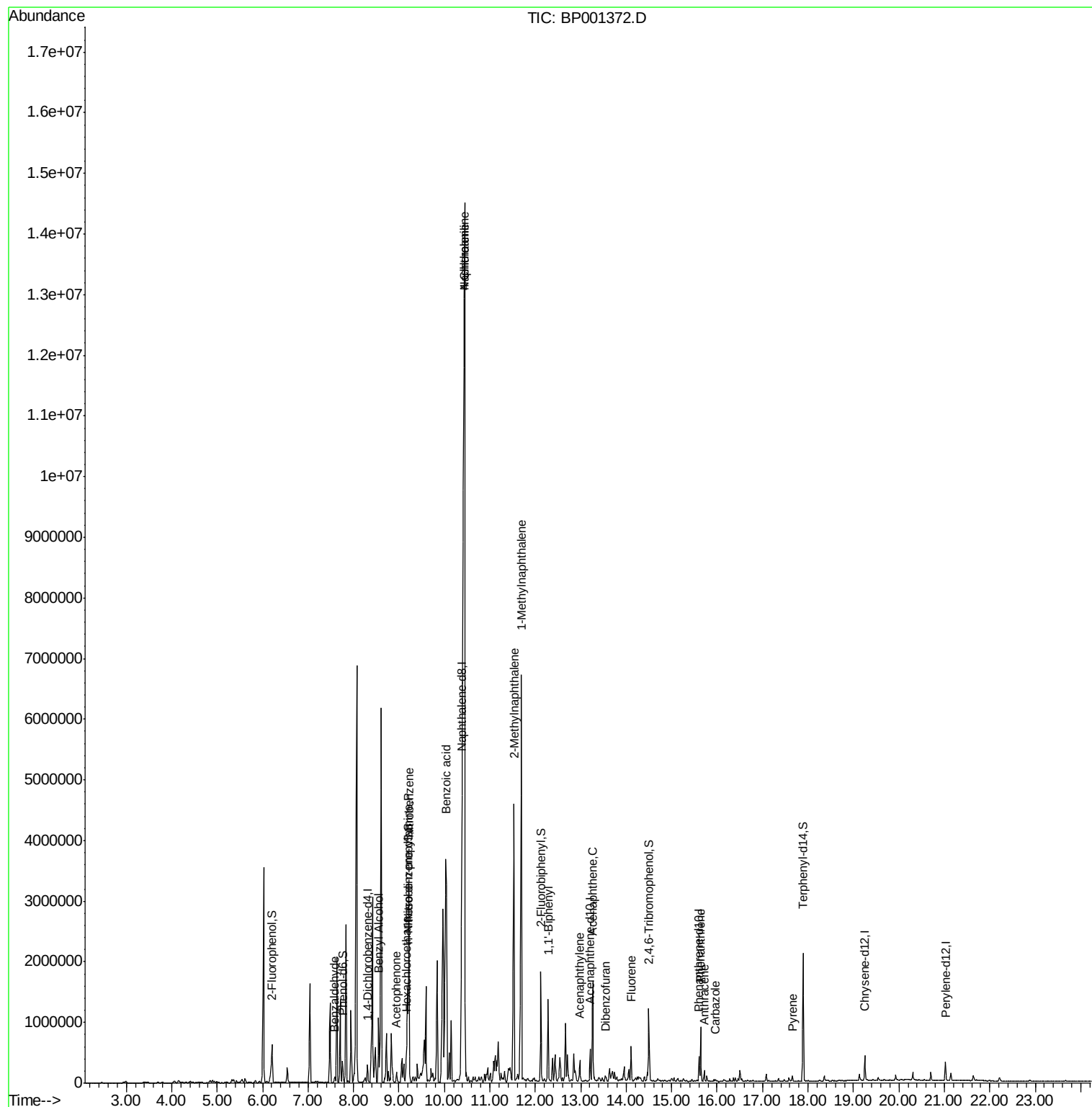
						Qvalue
9) Benzaldehyde	7.59	77	7084	2.438	ng	# 1
15) Benzyl Alcohol	8.55	79	10053	2.586	ng	# 59
18) Hexachloroethane	9.16	117	90826	52.711	ng	# 10
19) n-Nitroso-di-n-propylamine	9.20	70	62151	21.133	ng	# 83
22) Acetophenone	8.95	105	75472	12.170	ng	# 52
24) Nitrobenzene	9.22	77	86267	17.164	ng	# 1
31) Naphthalene	10.45	128	19512890	1822.855	ng	96
32) Benzoic acid	10.03	122	6648	7.816	ng	# 1
33) 4-Chloroaniline	10.45	127	2817787	643.662	ng	# 31
37) 2-Methylnaphthalene	11.53	142	1881543	254.603	ng	98
38) 1-Methylnaphthalene	11.70	142	3214688	462.695	ng	98
46) 1,1'-Biophenyl	12.28	154	481819	56.731	ng	100
49) Acenaphthylene	12.97	152	43891	4.373	ng	# 70
52) Acenaphthene	13.26	154	450000	74.415	ng	100
55) Dibenzofuran	13.54	168	27243	2.875	ng	97
58) Fluorene	14.10	166	195232	25.762	ng	97
71) Phenanthrene	15.64	178	397292	36.888	ng	98
72) Anthracene	15.72	178	83679	7.849	ng	99
73) Carbazole	15.96	167	20047	2.109	ng	98
78) Pvrene	17.66	202	38857	3.368	ng	99

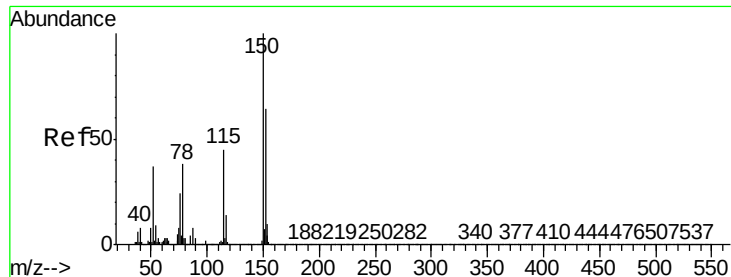
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

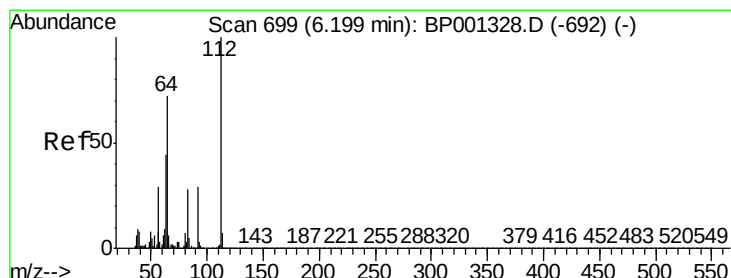
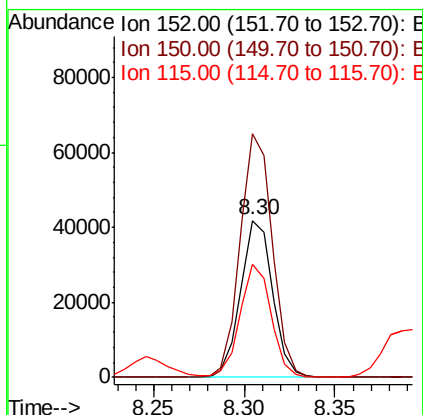
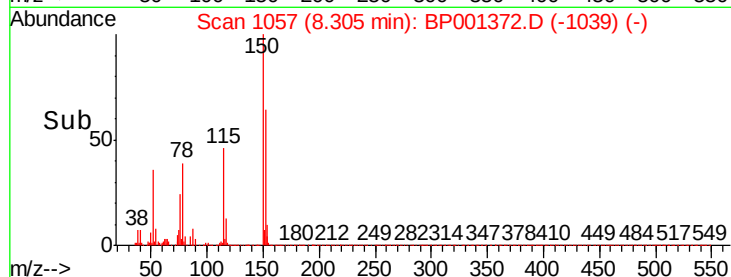
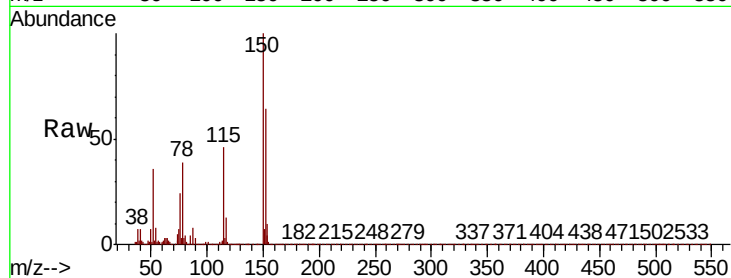
Tot Ion:152 Resp: 51312

Ion Ratio Lower Upper

152 100

150 155.2 124.0 186.0

115 71.8 59.3 88.9



#5

2-Fluorophenol

Concen: 54.385 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

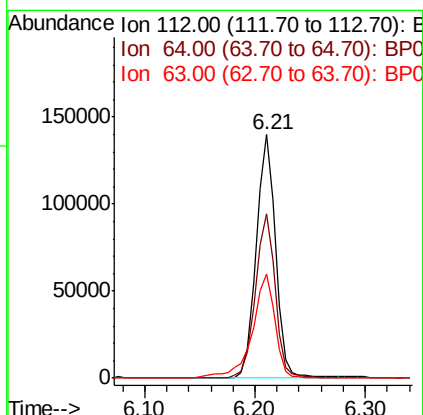
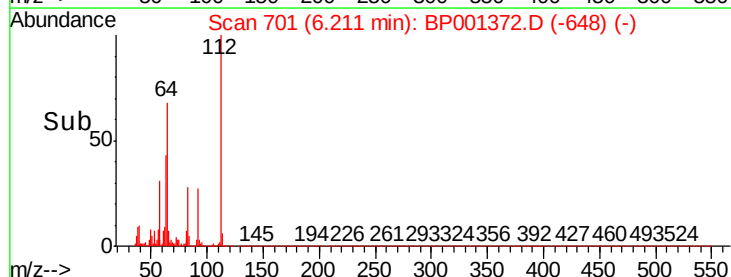
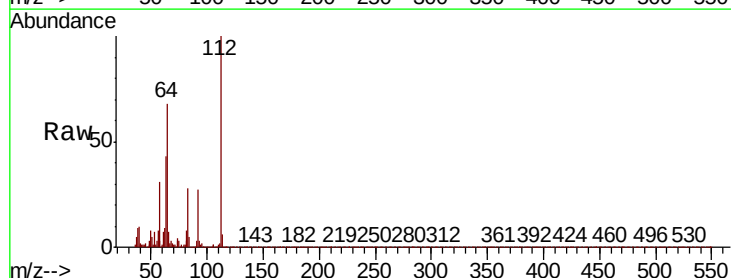
Tgt Ion:112 Resp: 172665

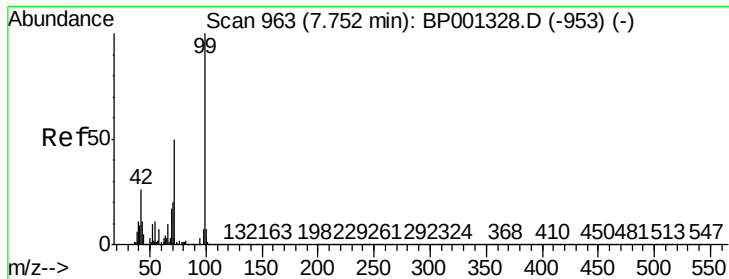
Ion Ratio Lower Upper

112 100

64 67.6 57.6 86.4

63 42.9 35.1 52.7





#7

Phenol-d6

Concen: 31.472 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

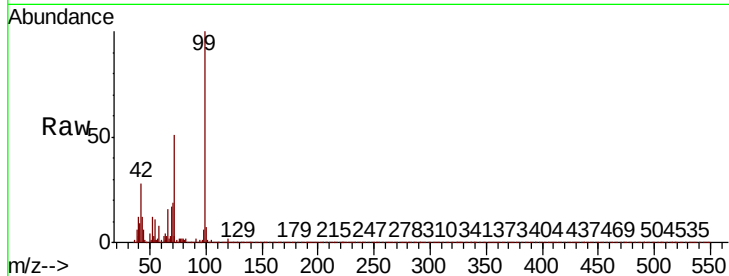
Tot Ion: 99 Resp: 130383

Ion Ratio Lower Upper

99 100

42 28.0 20.9 31.3

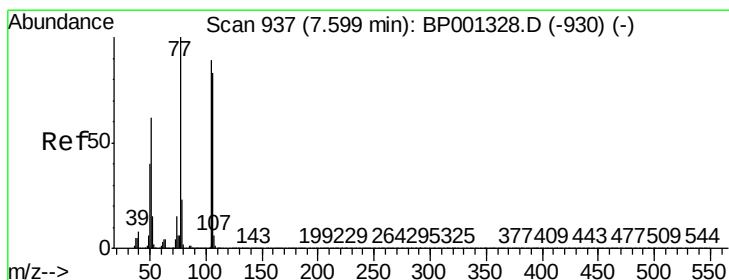
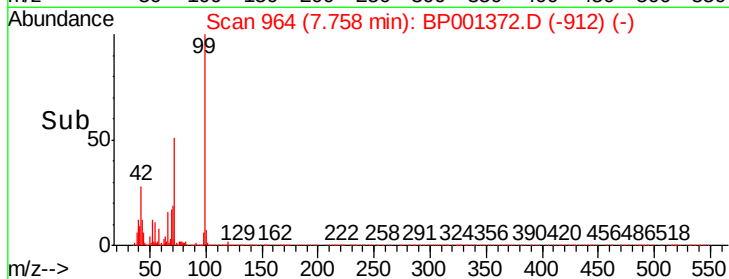
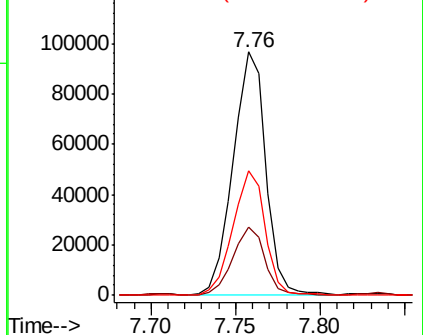
71 51.0 40.0 60.0



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



#9

Benzaldehyde

Concen: 2.438 ng

RT: 7.59 min Scan# 935

Delta R.T. -0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

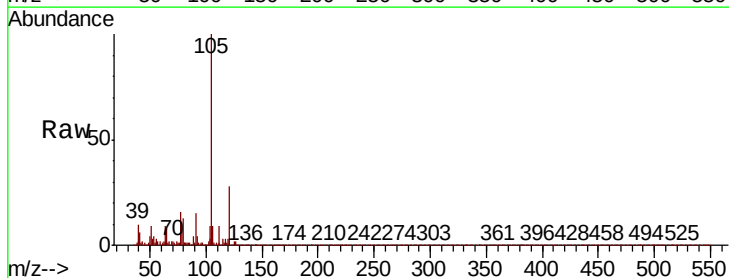
Tgt Ion: 77 Resp: 7084

Ion Ratio Lower Upper

77 100

105 643.5 68.6 108.6#

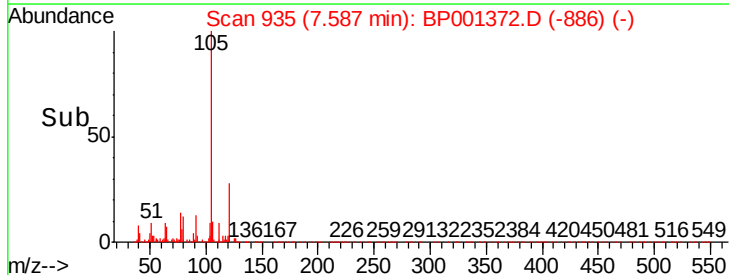
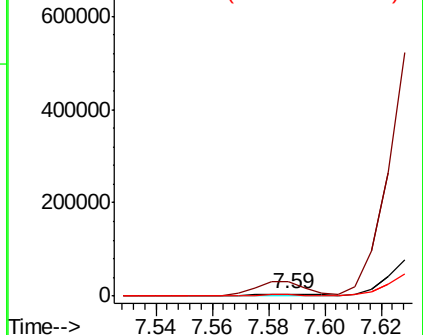
106 60.3 62.5 102.5#

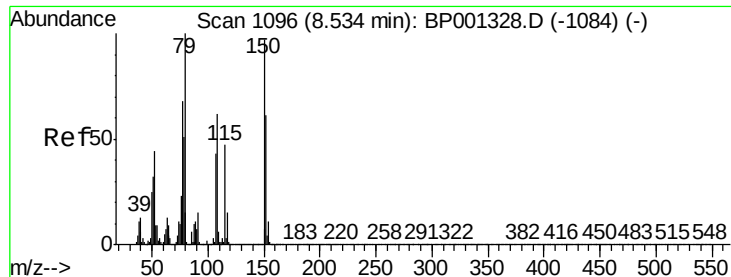


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.586 ng

RT: 8.55 min Scan# 1099

Delta R.T. 0.02 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

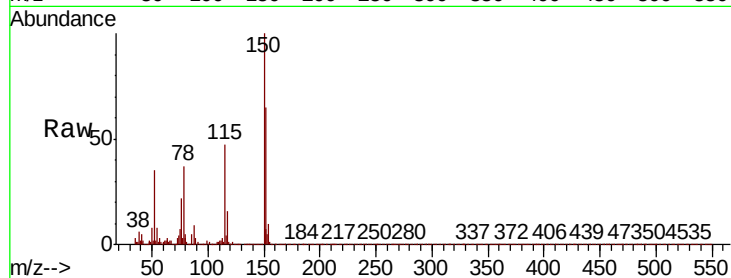
Tot Ion: 79 Resp: 10053

Ion Ratio Lower Upper

79 100

108 31.3 49.3 73.9#

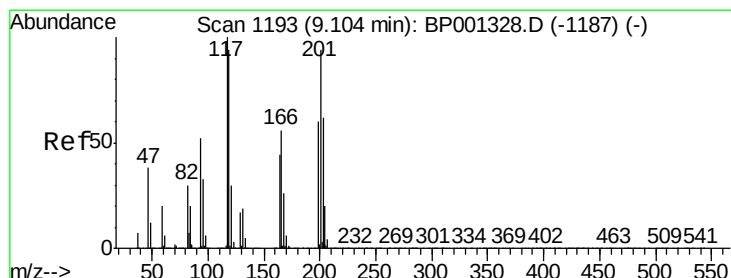
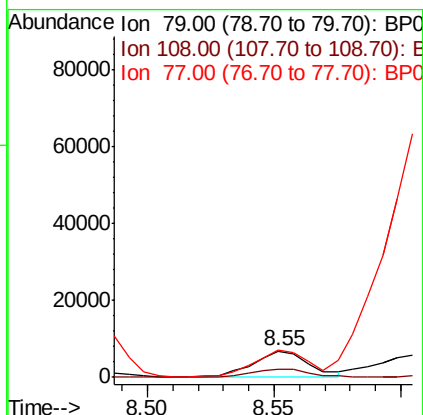
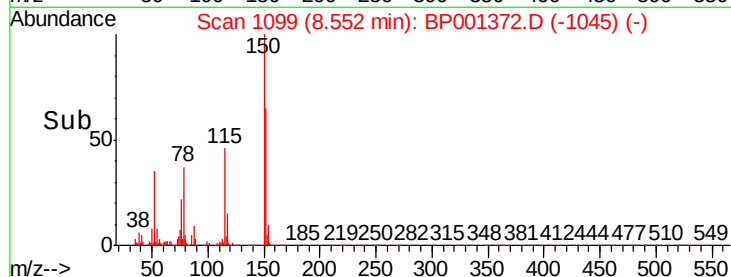
77 103.0 54.4 81.6#



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0



#18

Hexachloroethane

Concen: 52.711 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.05 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

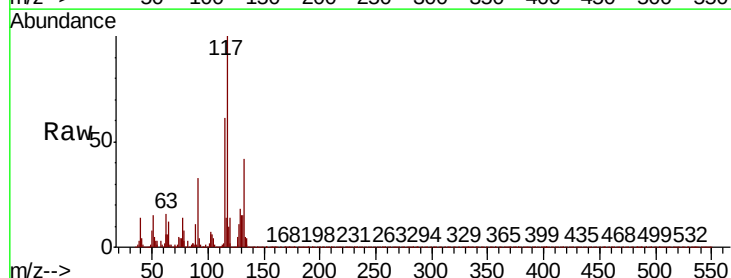
Tgt Ion: 117 Resp: 90826

Ion Ratio Lower Upper

117 100

119 14.2 75.0 112.4#

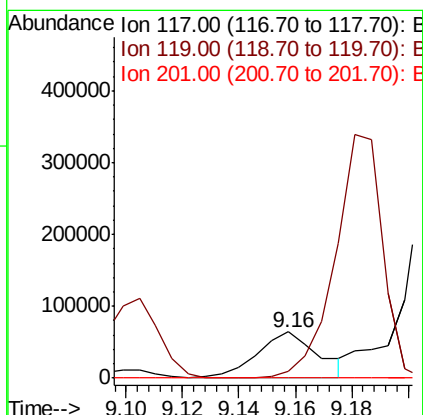
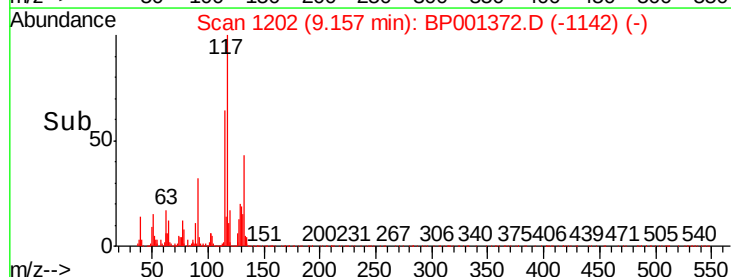
201 0.0 75.6 113.4#

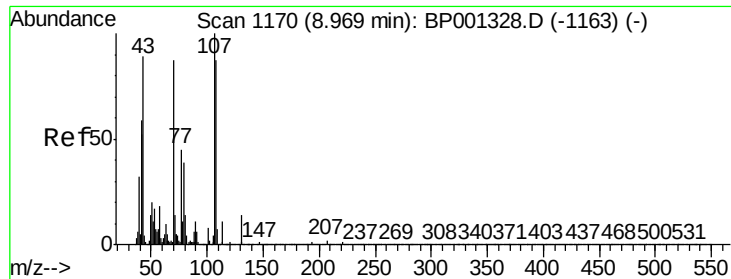


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

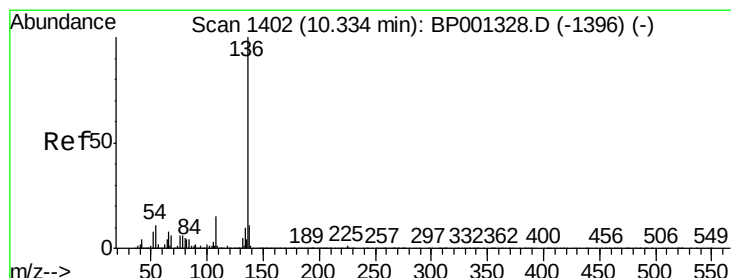
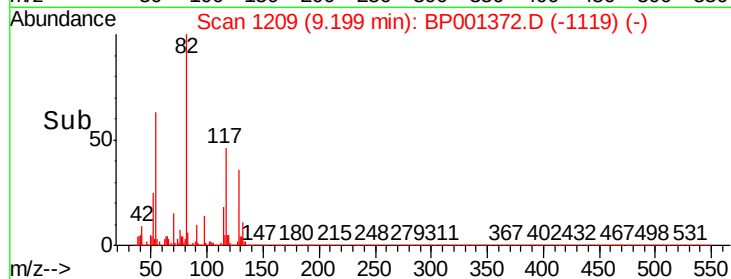
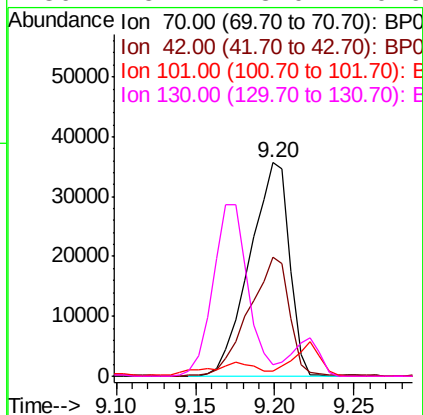
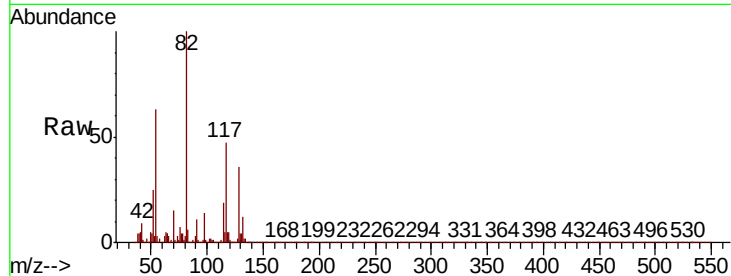




#19
n-Nitroso-di-n-propylamine
Concen: 21.133 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.23 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

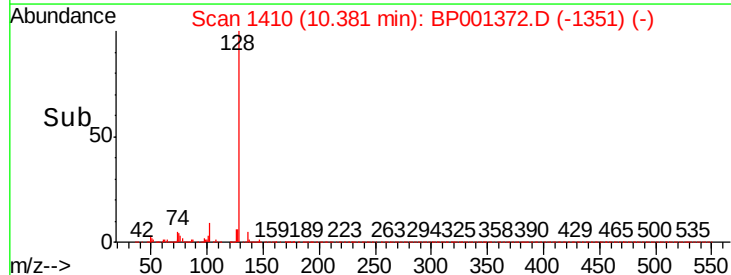
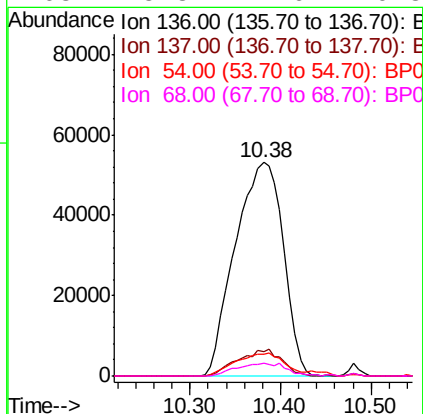
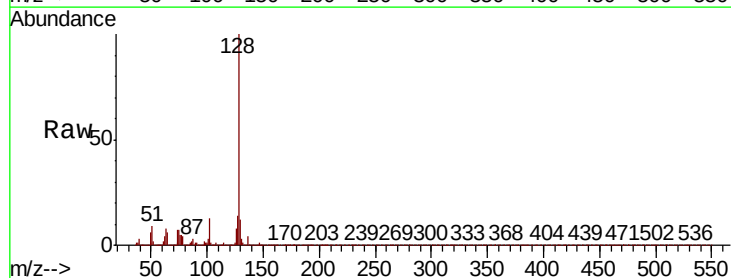
Instrument :
BNA_P
ClientSampleId :

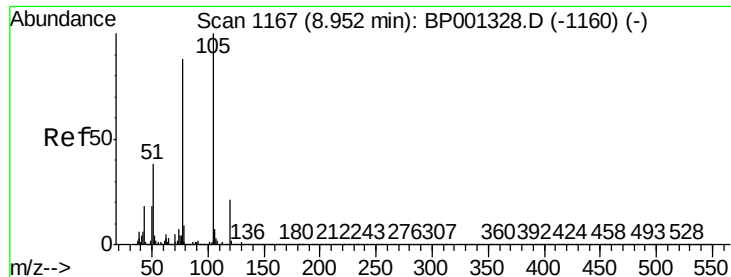
Tot Ion:	70	Resp:	62151
Ion	Ratio	Lower	Upper
70	100		
42	55.9	54.1	81.1
101	2.3	7.0	10.4#
130	5.2	13.0	19.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.05 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:	136	Resp:	196102
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.3	8.8	13.2
68	5.8	4.6	6.8





#22

Acetophenone

Concen: 12.170 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

Tot Ion:105 Resp: 75472

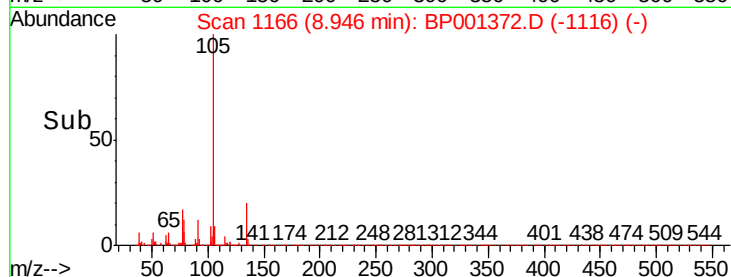
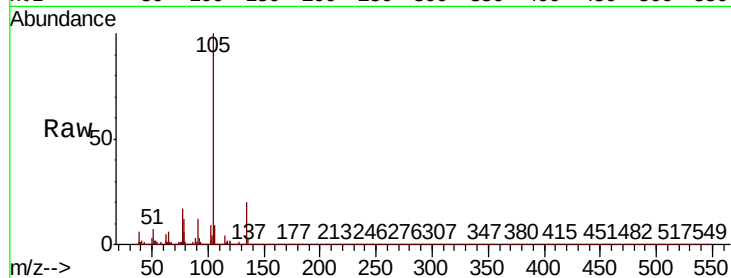
Ion Ratio Lower Upper

105 100

71 0.1 0.8 1.2#

51 6.7 30.6 45.8#

120 0.8 16.5 24.7#

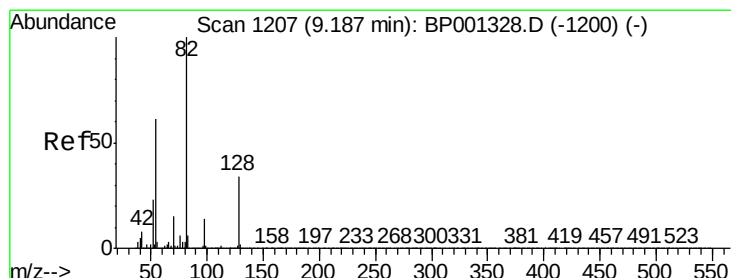
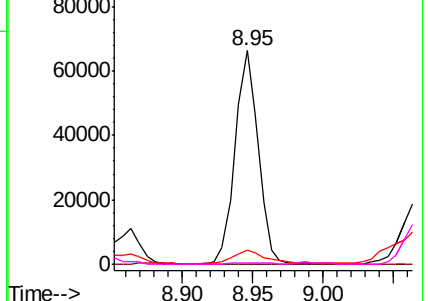


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 80.539 ng

RT: 9.20 min Scan# 1210

Delta R.T. 0.02 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

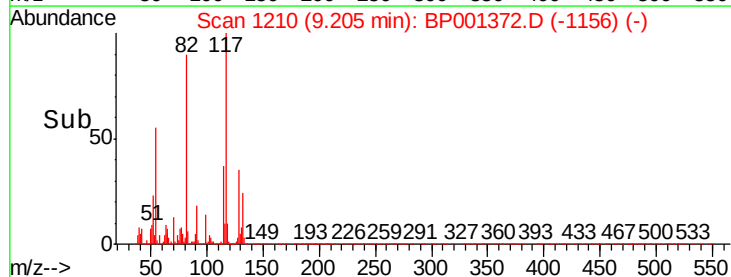
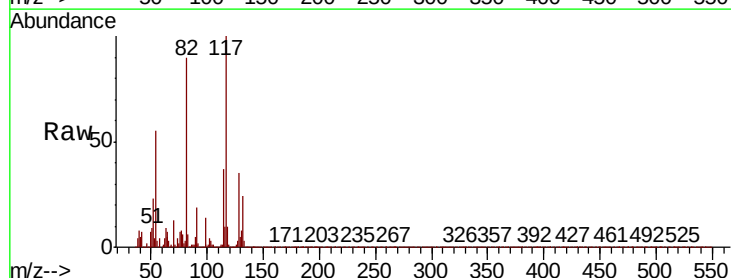
Tgt Ion: 82 Resp: 411286

Ion Ratio Lower Upper

82 100

128 39.3 27.0 40.4

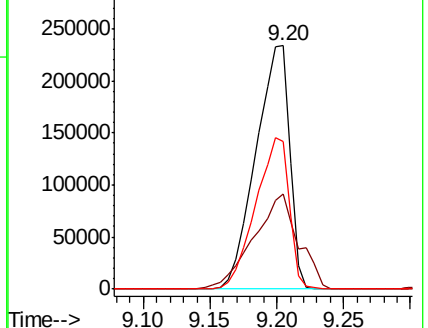
54 60.5 49.0 73.4

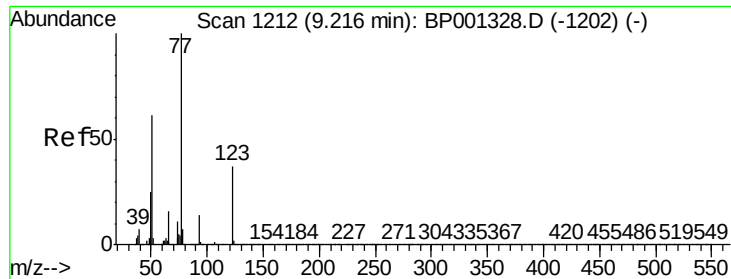


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

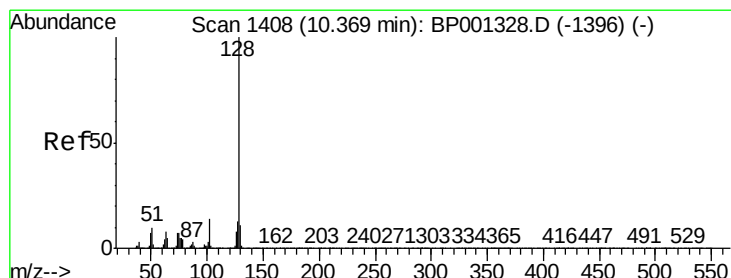
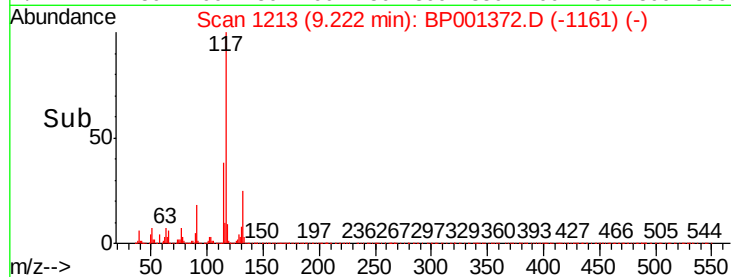
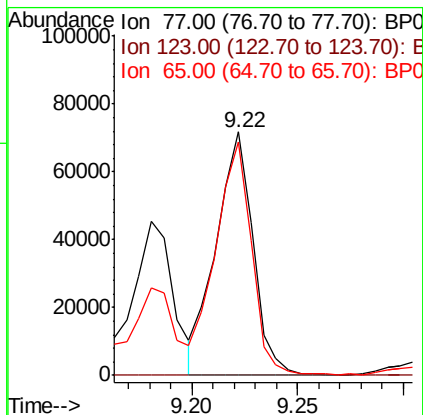
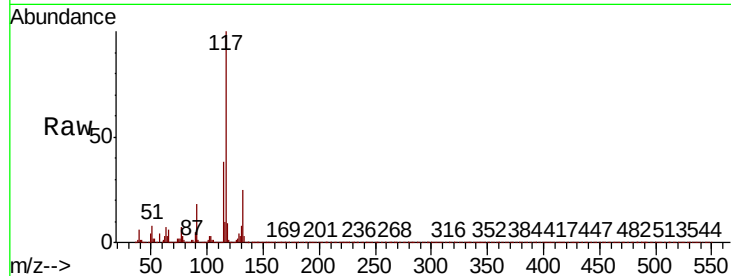




#24
 Nitrobenzene
 Concen: 17.164 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

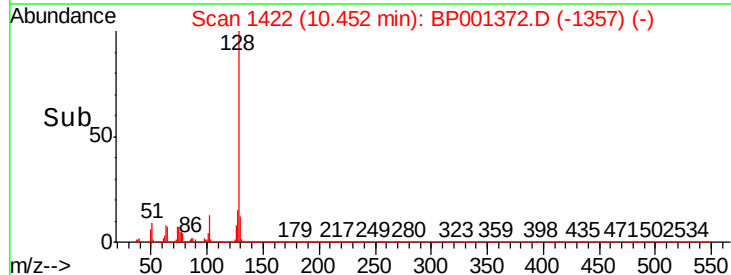
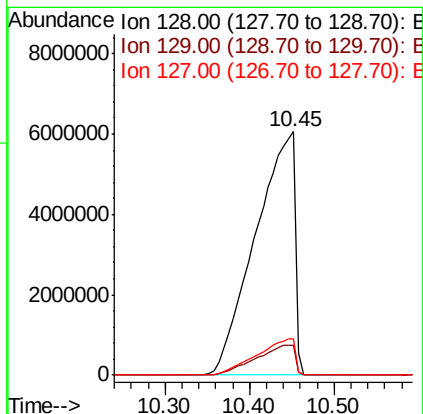
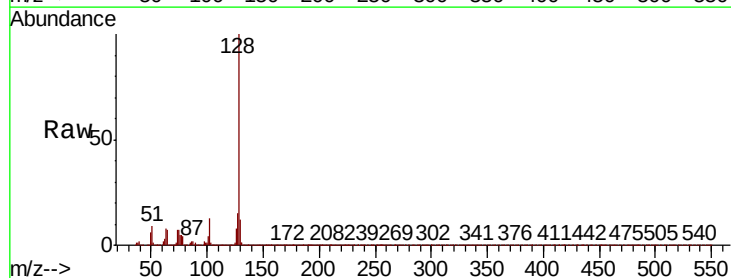
Instrument :
 BNA_P
 ClientSampleId :

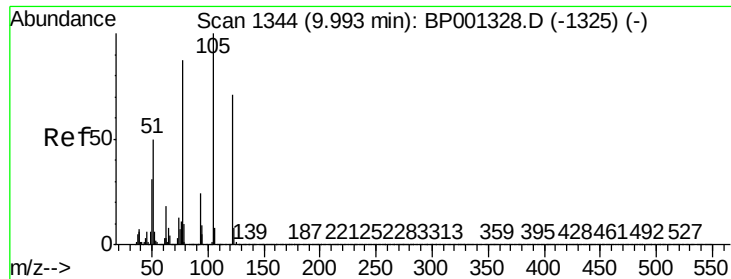
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.3	29.4	44.0#
65	96.0	12.4	18.6#



#31
 Naphthalene
 Concen: 1822.855 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.08 min
 Lab File: BP001372.D
 Acq: 23 Dec 2019 17:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.9	13.3
127	15.1	10.7	16.1

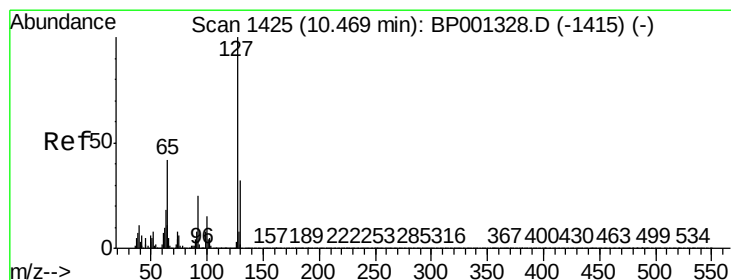
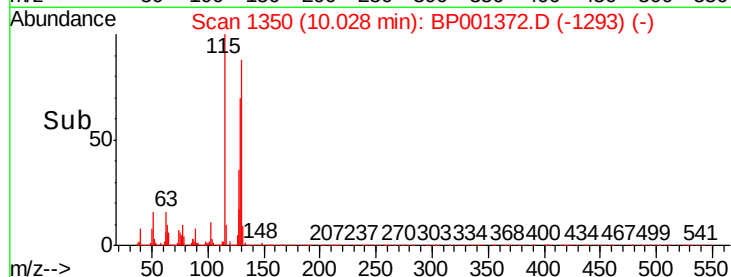
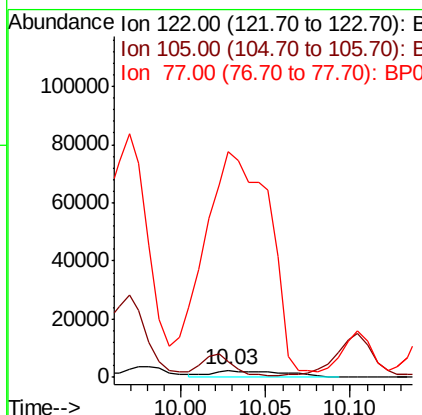
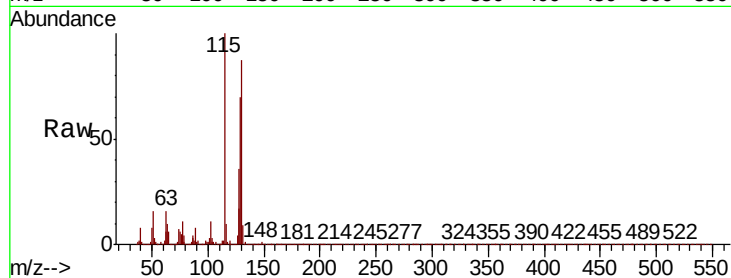




#32
Benzoic acid
Concen: 7.816 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.04 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

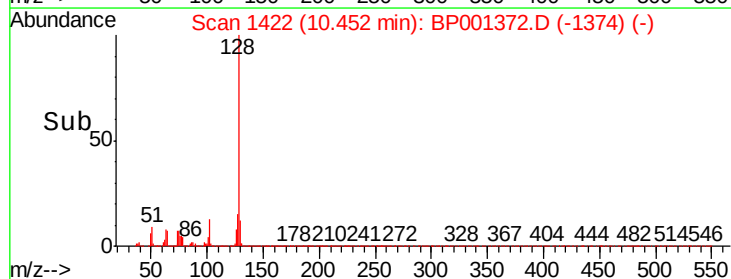
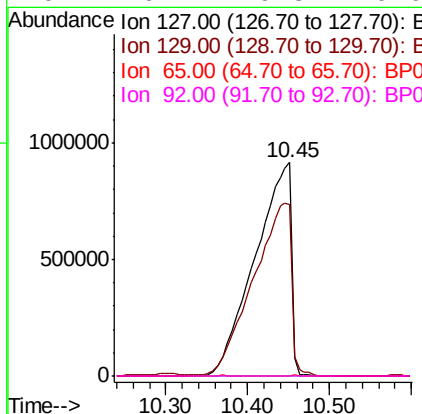
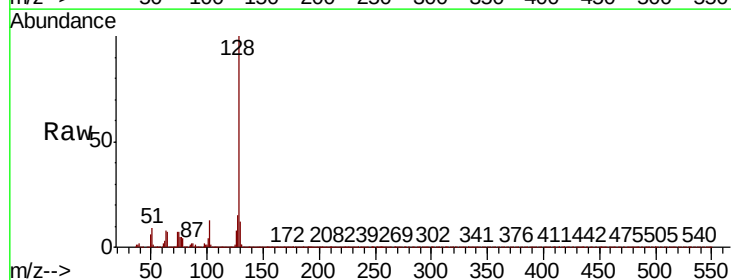
Instrument :
BNA_P
ClientSampleId :

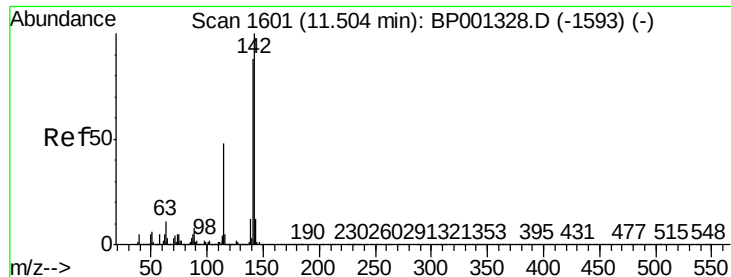
Tot Ion:122 Resp: 6648
Ion Ratio Lower Upper
122 100
105 206.1 118.5 158.5#
77 3031.9 101.3 141.3#



#33
4-Chloroaniline
Concen: 643.662 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.02 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:127 Resp: 2817787
Ion Ratio Lower Upper
127 100
129 80.1 25.2 37.8#
65 0.0 33.6 50.4#
92 0.2 19.8 29.6#

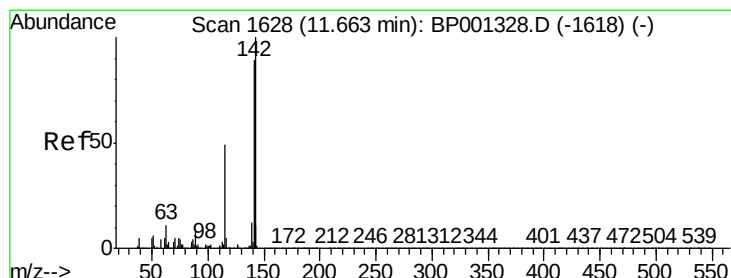
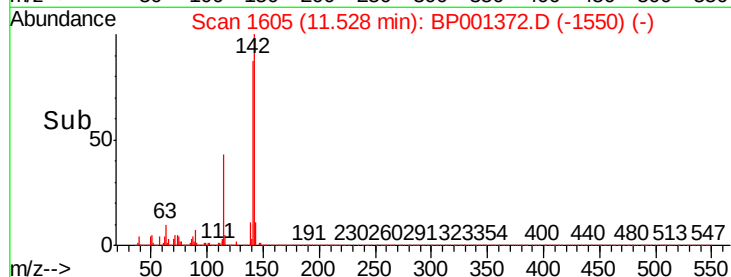
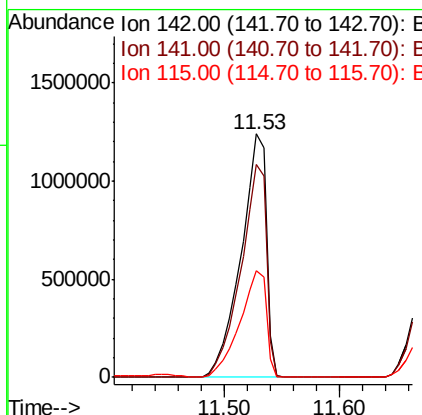
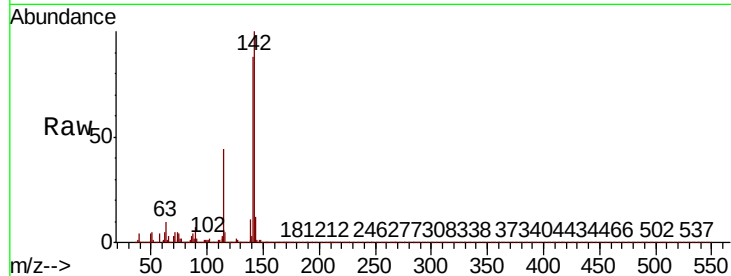




#37
2-Methylnaphthalene
Concen: 254.603 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.02 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

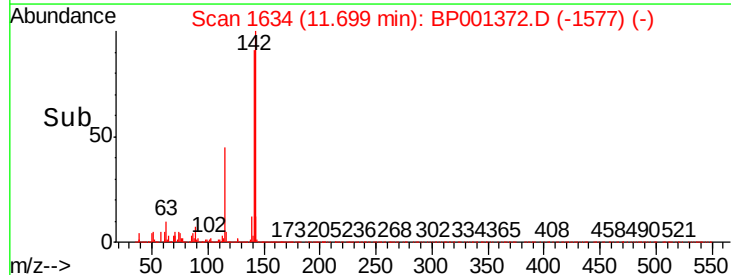
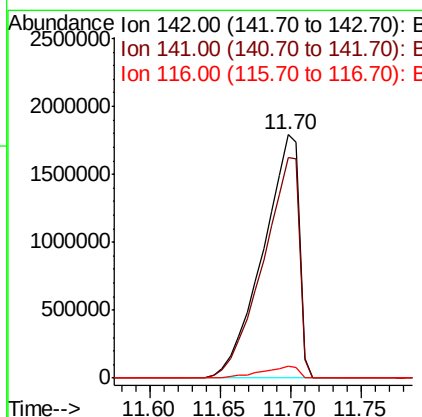
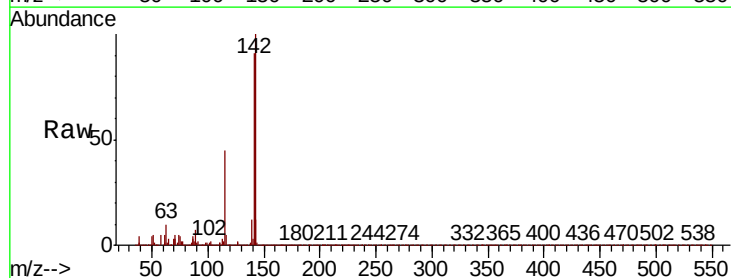
Instrument :
BNA_P
ClientSampleId :

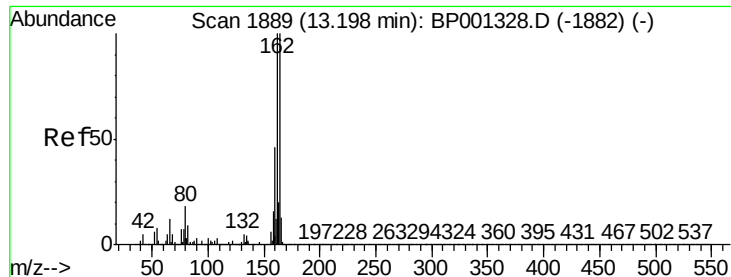
Tot Ion:142 Resp: 1881543
Ion Ratio Lower Upper
142 100
141 87.6 70.2 105.4
115 44.0 38.7 58.1



#38
1-Methylnaphthalene
Concen: 462.695 ng
RT: 11.70 min Scan# 1634
Delta R.T. 0.04 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:142 Resp: 3214688
Ion Ratio Lower Upper
142 100
141 90.7 71.3 106.9
116 4.7 4.2 6.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1890

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

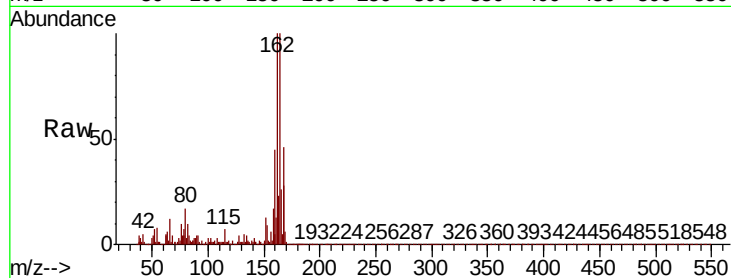
Instrument :

BNA_P

ClientSampleId :

Tot Ion:164 Resp: 101490

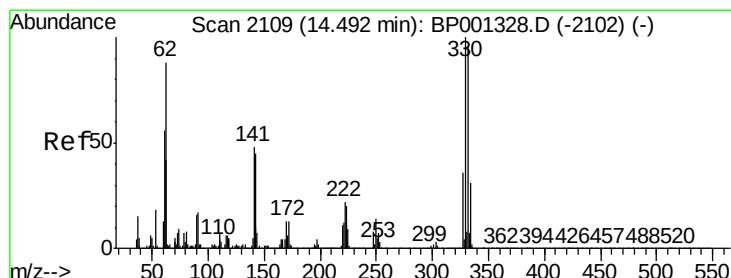
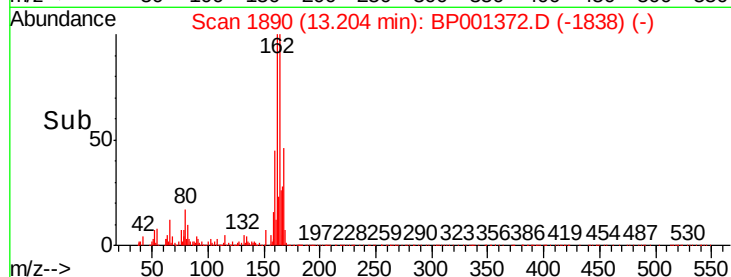
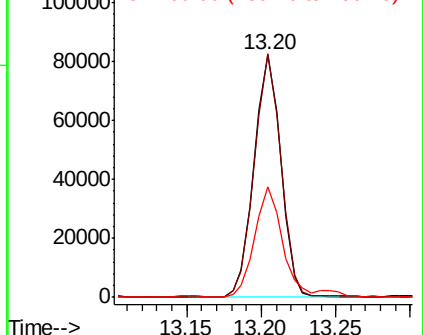
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.3	120.5
160	45.6	36.6	54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 132.272 ng

RT: 14.50 min Scan# 2111

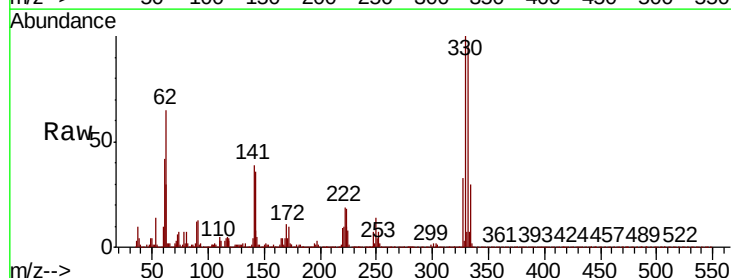
Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Tgt Ion:330 Resp: 167834

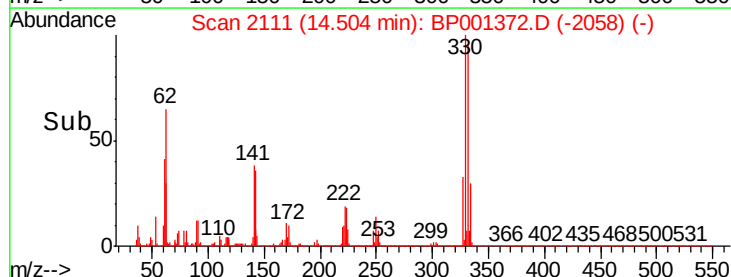
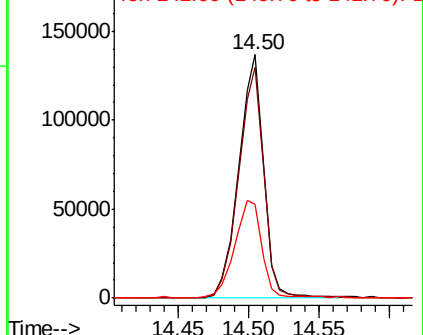
Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.7	118.1
141	42.7	36.2	54.4

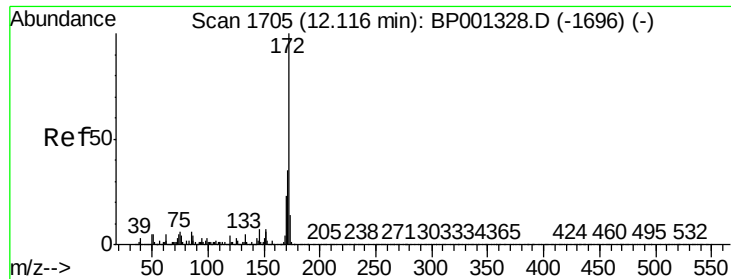


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

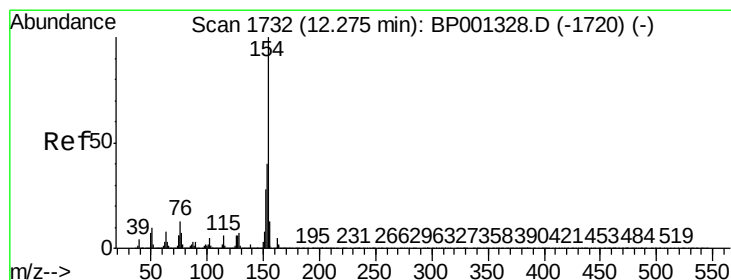
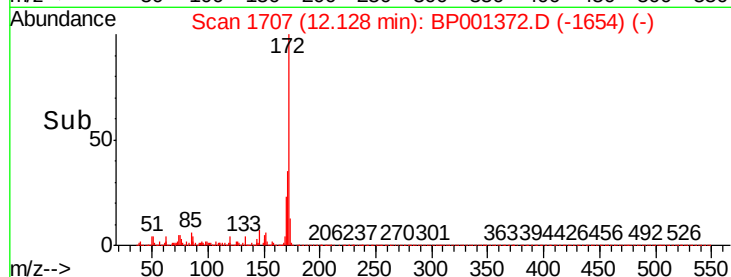
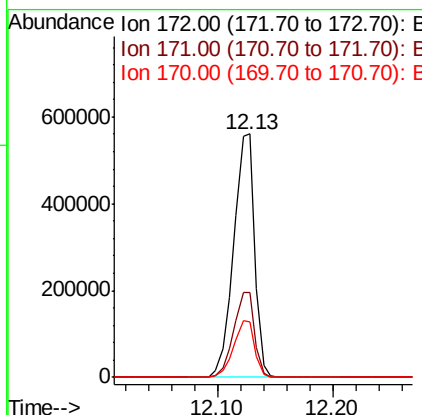
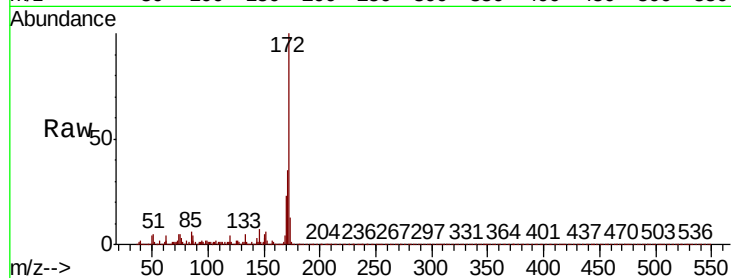




#45
2-Fluorobiphenyl
Concen: 87.940 ng
RT: 12.13 min Scan# 1707
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

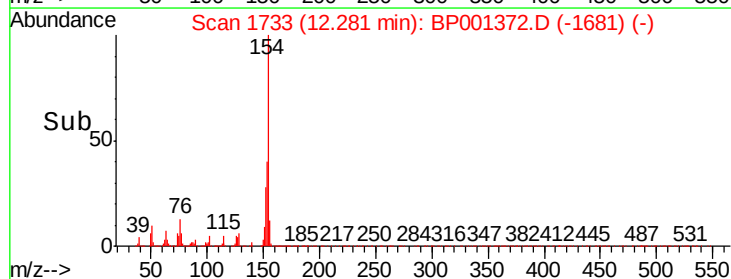
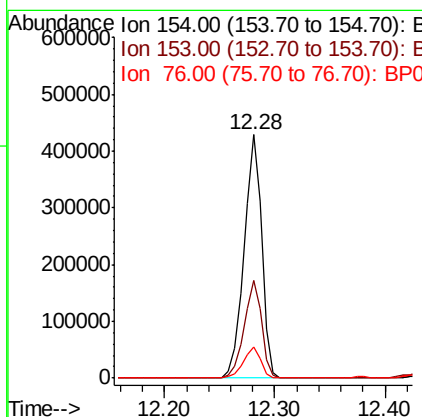
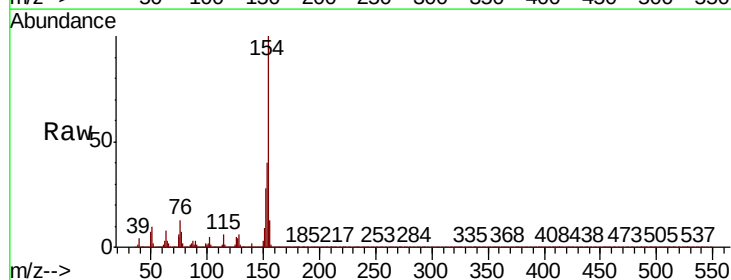
Instrument :
BNA_P
ClientSampleId :

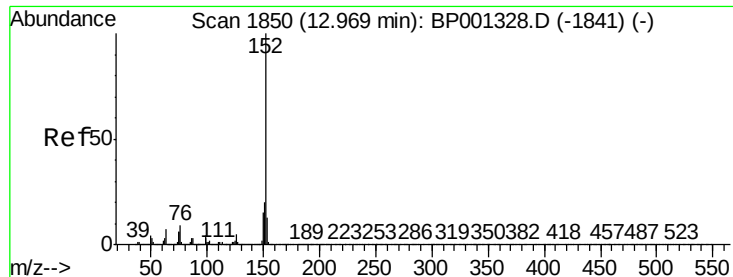
Tot Ion:172 Resp: 705824
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 56.731 ng
RT: 12.28 min Scan# 1733
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:154 Resp: 481819
Ion Ratio Lower Upper
154 100
153 40.3 20.2 60.2
76 12.7 0.0 33.1





#49

Acenaphthylene

Concen: 4.373 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BP001372.D

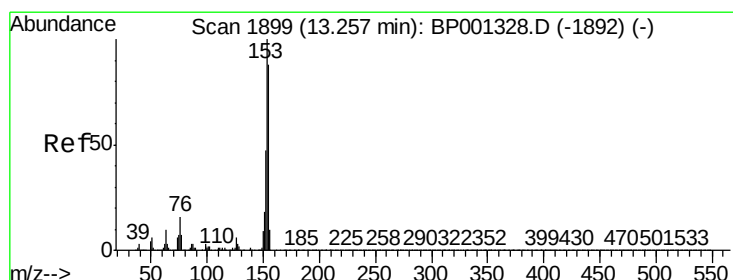
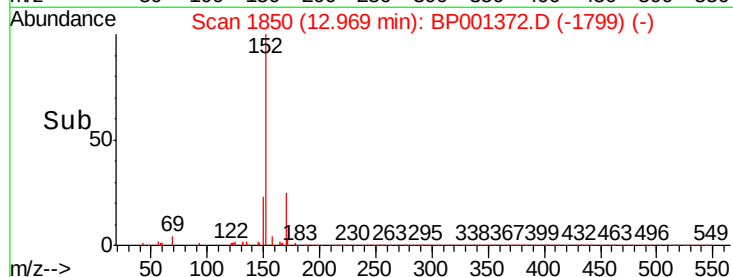
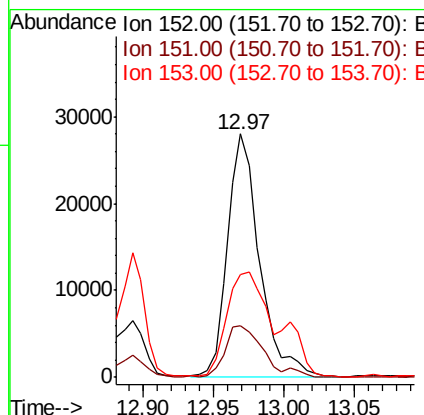
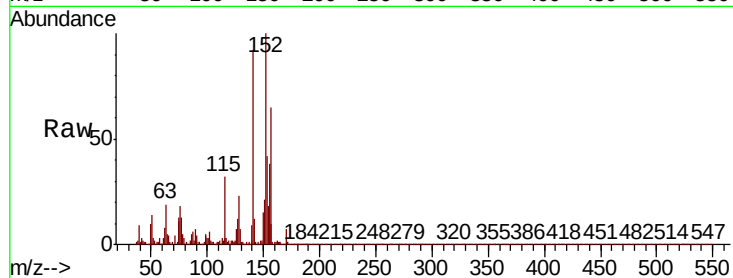
Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	152	Resp:	43891
Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.2	24.2
153	42.1	10.4	15.6#



#52

Acenaphthene

Concen: 74.415 ng

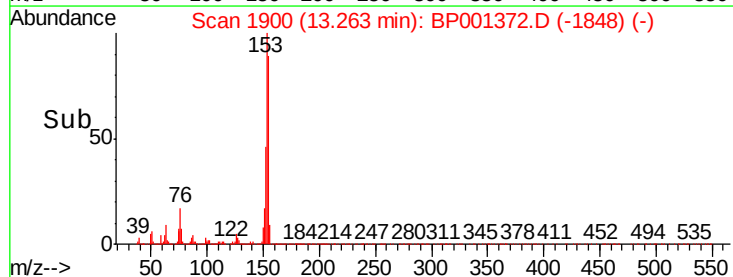
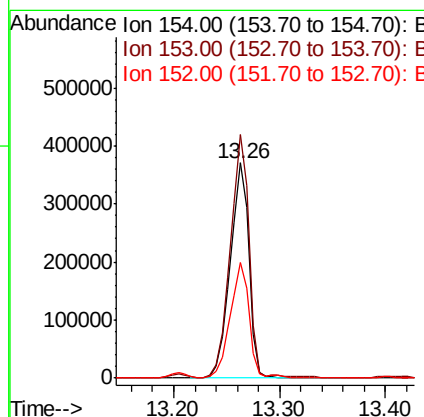
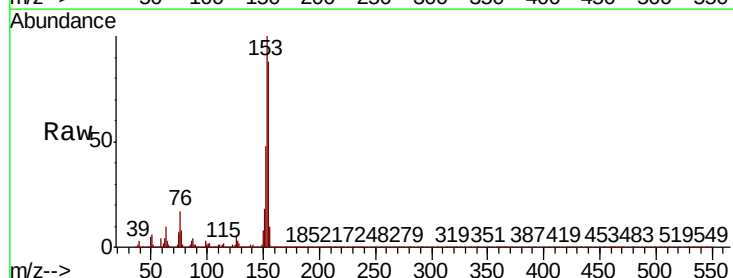
RT: 13.26 min Scan# 1900

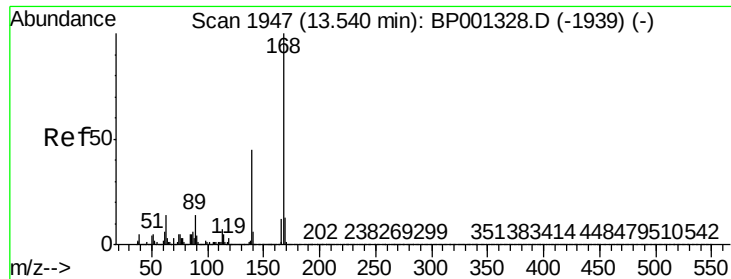
Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Tgt Ion:	154	Resp:	450000
Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.6	135.8
152	53.9	42.4	63.6





#55

Dibenzenofuran

Concen: 2.875 ng

RT: 13.54 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

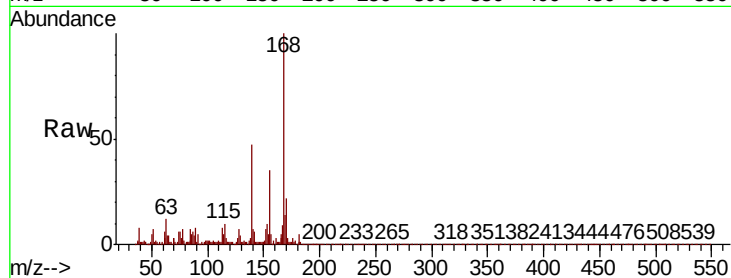
Instrument :

BNA_P

ClientSampleId :

Tot Ion:168 Resp: 27243

Ion	Ratio	Lower	Upper
168	100		
139	47.0	35.8	53.8
169	14.2	10.5	15.7

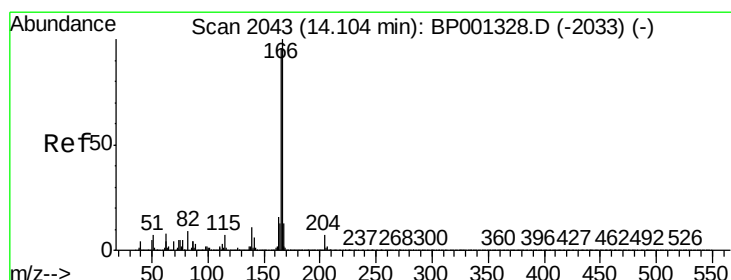
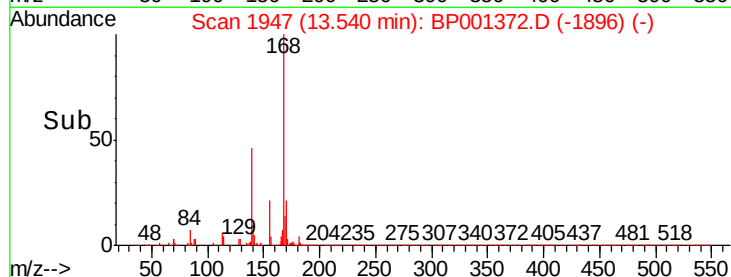
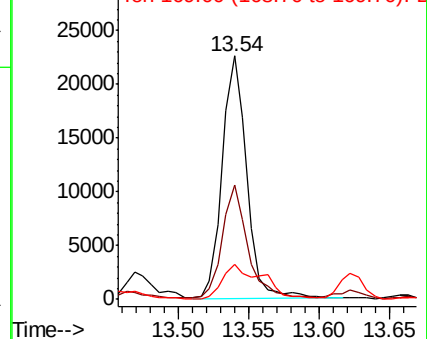


Abundance

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



#58

Fluorene

Concen: 25.762 ng

RT: 14.10 min Scan# 2043

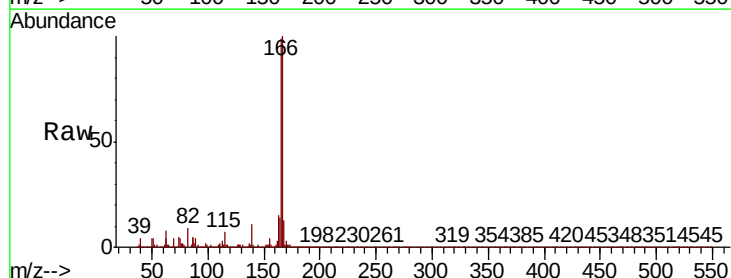
Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Tgt Ion:166 Resp: 195232

Ion	Ratio	Lower	Upper
166	100		
165	99.4	76.9	115.3
167	13.4	10.3	15.5

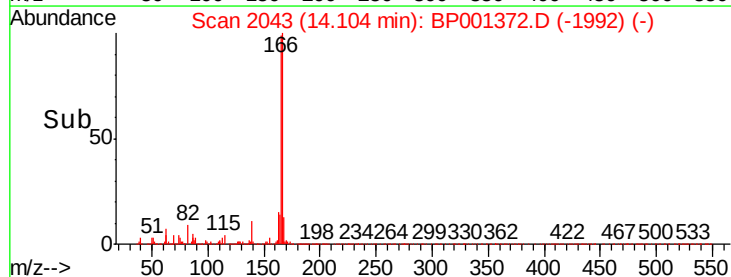
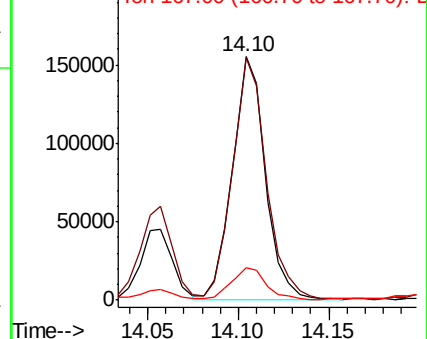


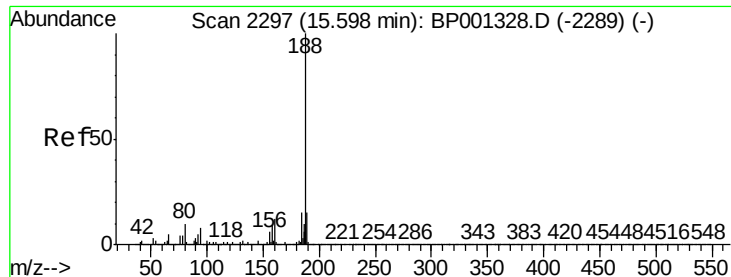
Abundance

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: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

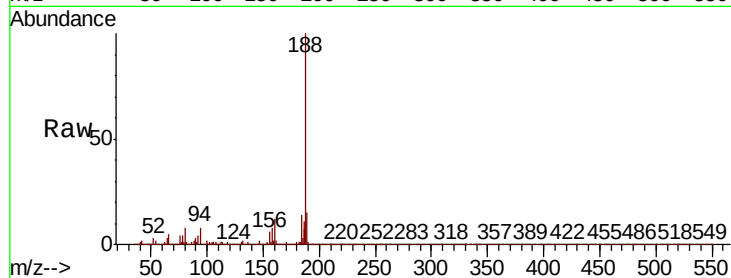
Tot Ion:188 Resp: 188774

Ion Ratio Lower Upper

188 100

94 8.0 6.6 10.0

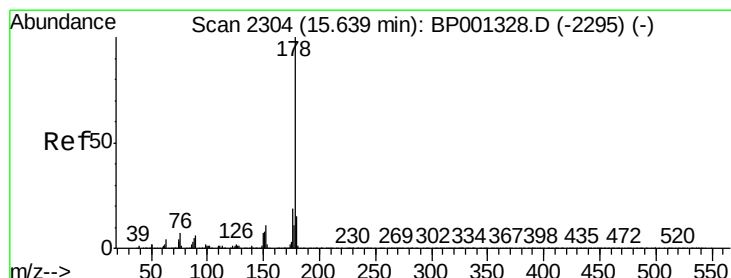
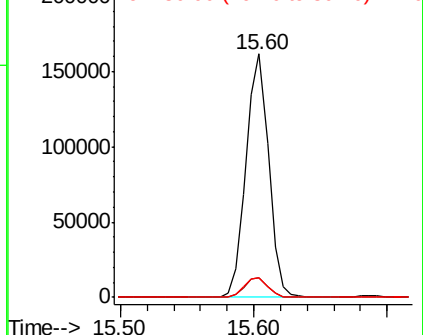
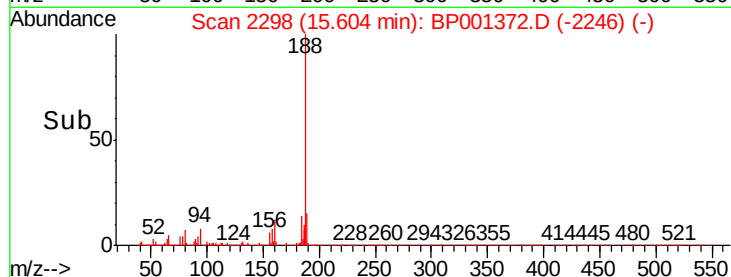
80 7.9 7.8 11.6



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: 36.888 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

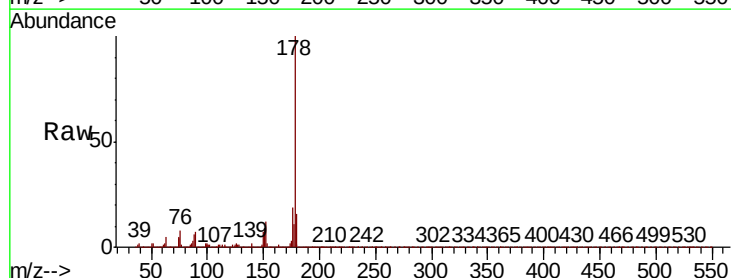
Tgt Ion:178 Resp: 397292

Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

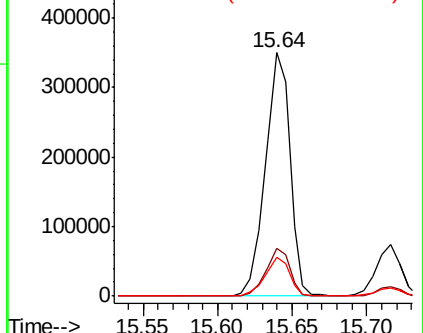
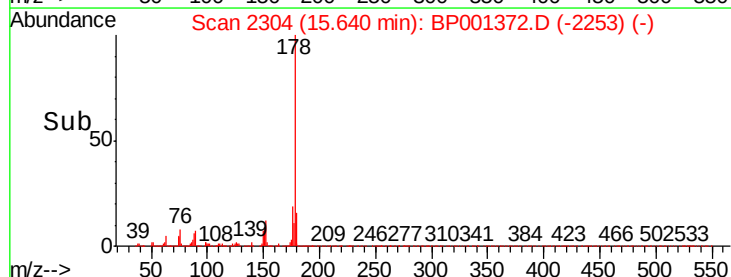
179 16.0 12.0 18.0

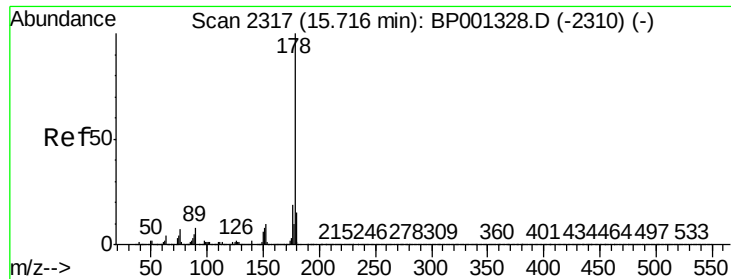


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.849 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

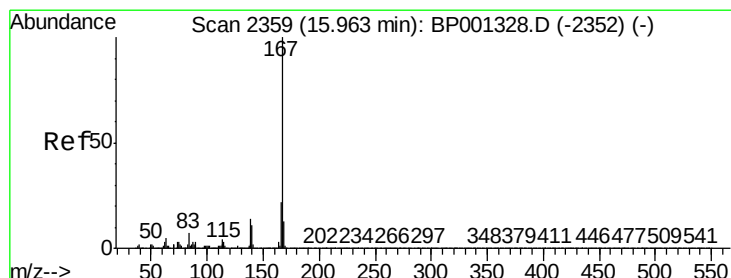
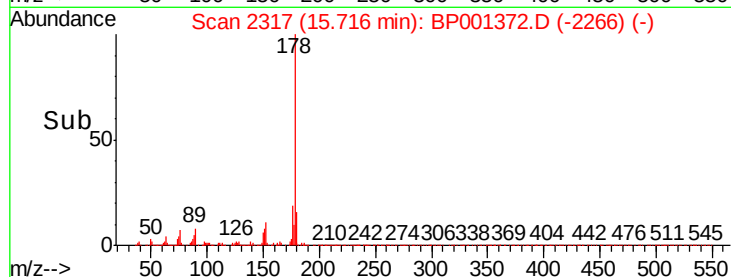
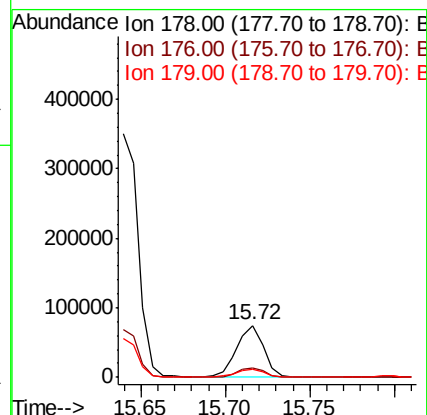
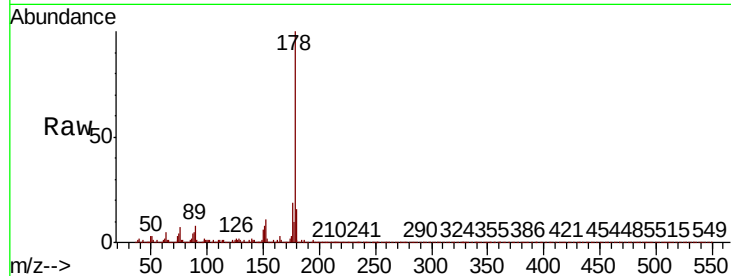
Tot Ion:178 Resp: 83679

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 16.0 11.9 17.9



#73

Carbazole

Concen: 2.109 ng

RT: 15.96 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

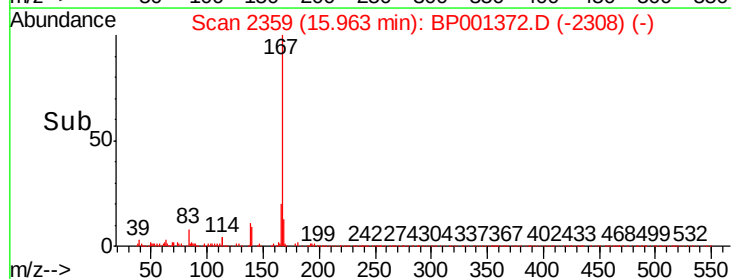
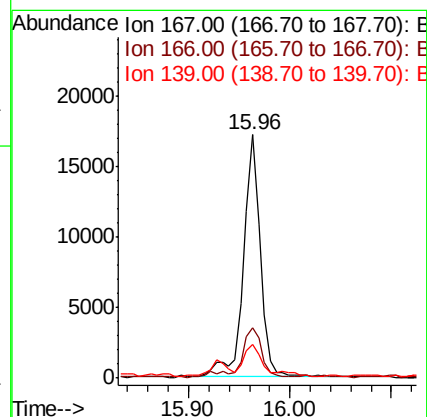
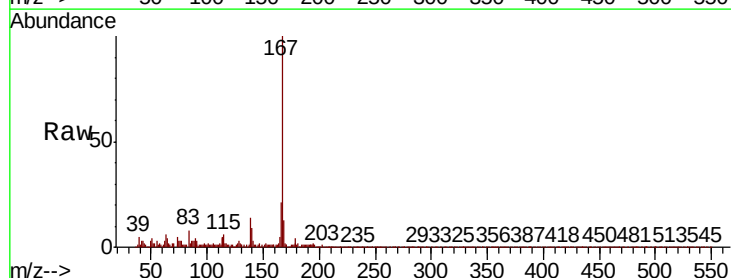
Tgt Ion:167 Resp: 20047

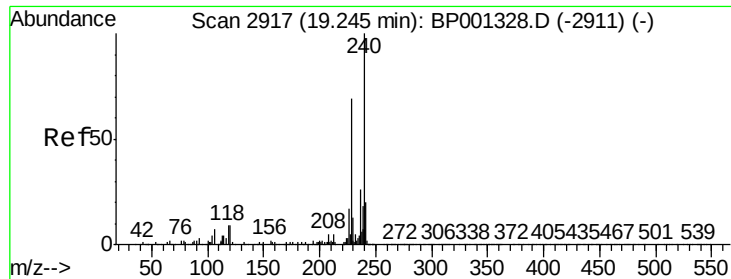
Ion Ratio Lower Upper

167 100

166 20.7 17.6 26.4

139 14.0 11.1 16.7

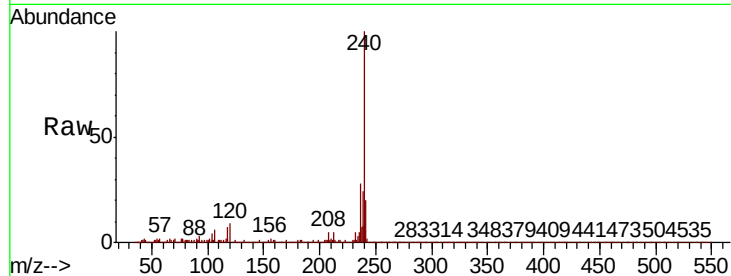




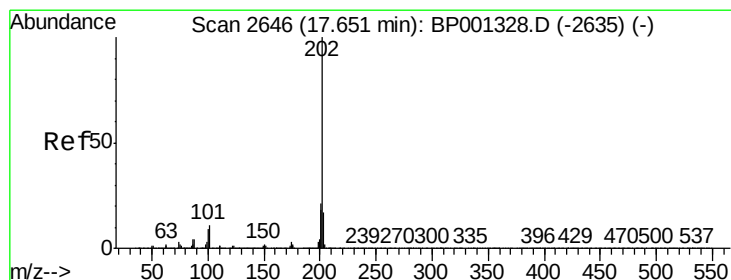
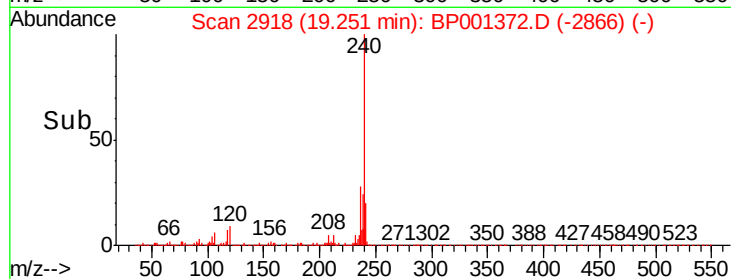
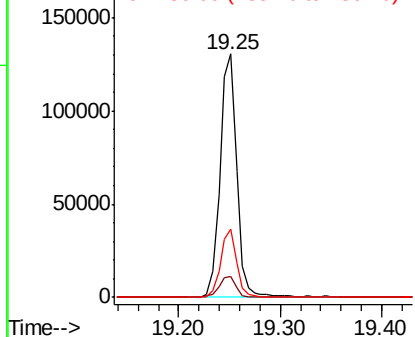
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 148573
Ion Ratio Lower Upper
240 100
120 8.7 7.6 11.4
236 28.0 21.0 31.4

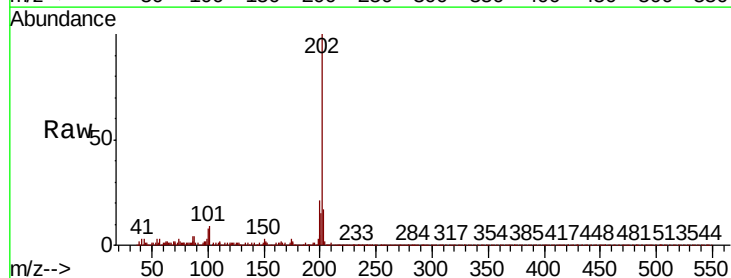


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

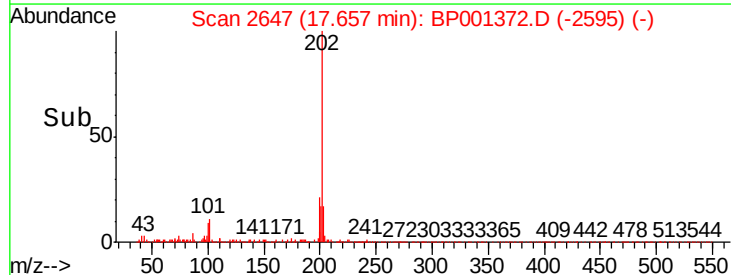
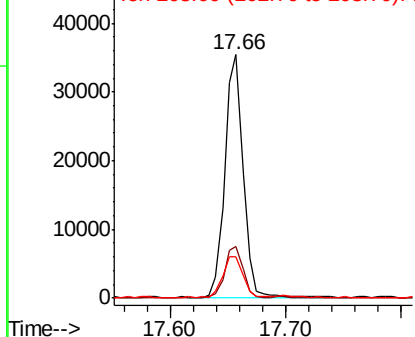


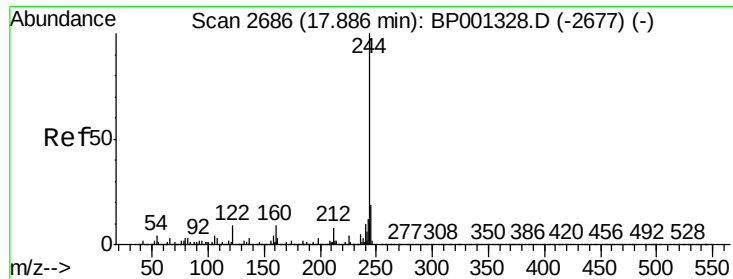
#78
Pyrene
Concen: 3.368 ng
RT: 17.66 min Scan# 2647
Delta R.T. 0.01 min
Lab File: BP001372.D
Acq: 23 Dec 2019 17:38

Tgt Ion:202 Resp: 38857
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 16.9 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.449 ng

RT: 17.89 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

Instrument :

BNA_P

ClientSampleId :

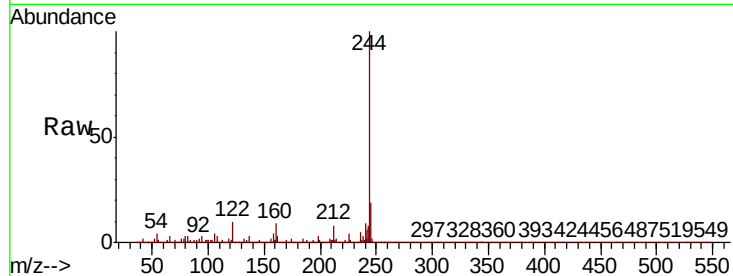
Tot Ion:244 Resp: 819290

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

122 10.1 7.6 11.4

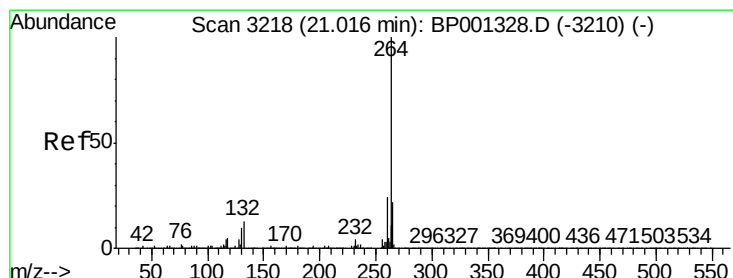
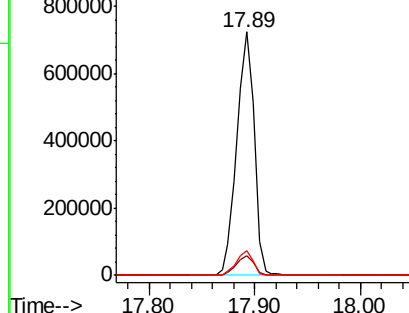
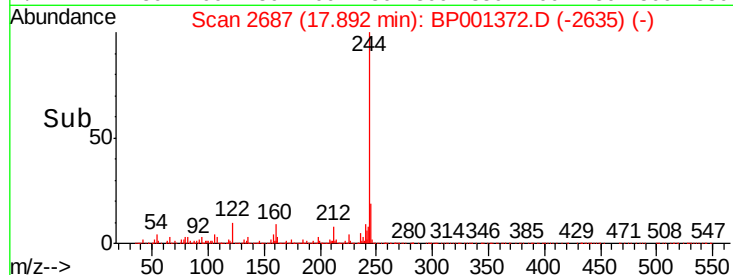


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.03 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BP001372.D

Acq: 23 Dec 2019 17:38

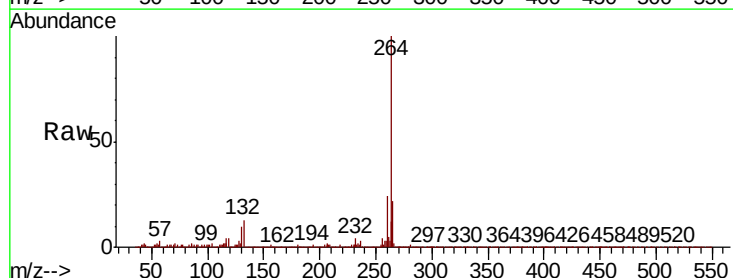
Tgt Ion:264 Resp: 153122

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 17.4 26.2



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

