

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001400.D
 Acq On : 24 Dec 2019 22:04
 Operator : JU
 Sample : K6401-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 25 00:58:42 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	8.32	152	52210	20.00	ng	0.03
21) Naphthalene-d8	10.33	136	186757	20.00	ng	0.01
39) Acenaphthene-d10	13.19	164	84685	20.00	ng	0.01
64) Phenanthrene-d10	15.60	188	163342	20.00	ng	0.02
76) Chrysene-d12	19.23	240	123652	20.00	ng	0.00
87) Perylene-d12	21.02	264	127675	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	272300	84.29	ng	0.01
7) Phenol-d6	7.77	99	69359	16.45	ng	0.02
23) Nitrobenzene-d5	9.18	82	242289	49.82	ng	0.00
42) 2,4,6-Tribromophenol	14.53	330	92343	87.22	ng	0.05
45) 2-Fluorobiphenyl	12.11	172	417133	62.28	ng	0.01
79) Terphenyl-d14	17.87	244	433447	60.04	ng	0.00

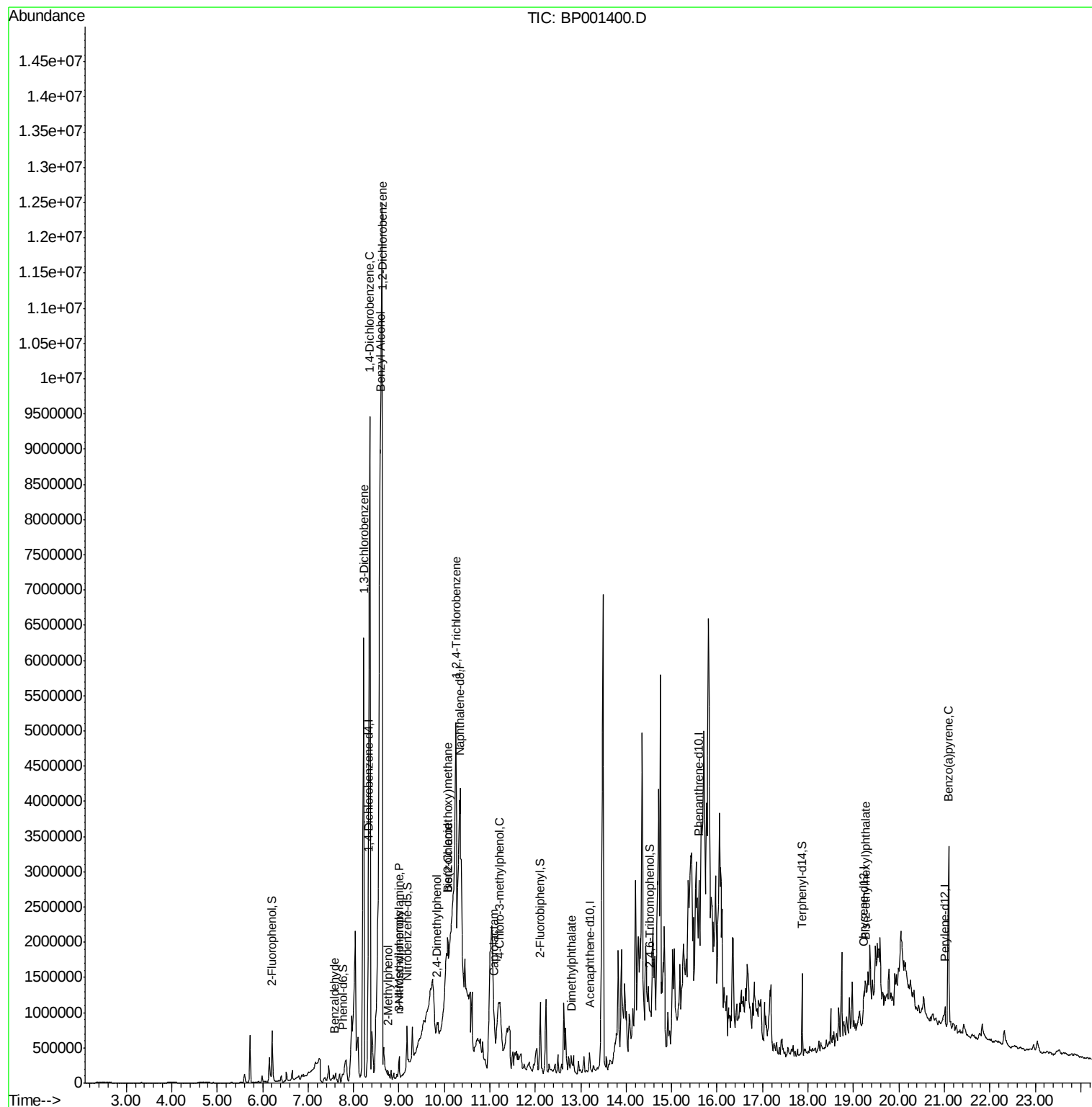
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.58	77	9657	3.266	ng	# 44
12) 1,3-Dichlorobenzene	8.23	146	2772468	685.363	ng	97
13) 1,4-Dichlorobenzene	8.36	146	4183955	1015.182	ng	100
14) 1,2-Dichlorobenzene	8.63	146	7695476	1959.969	ng	99
15) Benzyl Alcohol	8.59	79	140600	35.548	ng	# 74
17) 2-Methylphenol	8.76	107	7378	2.571	ng	# 70
19) n-Nitroso-di-n-propylamine	8.99	70	6289	2.102	ng	# 48
20) 3+4-Methylphenols	9.00	107	86548	22.726	ng	94
27) 2,4-Dimethylphenol	9.84	122	30288	12.065	ng	95
28) bis(2-Chloroethoxy)methane	10.07	93	15397	3.297	ng	# 1
30) 1,2,4-Trichlorobenzene	10.25	180	370029	96.779	ng	98
32) Benzoic acid	10.07	122	223084	103.432	ng	# 17
35) Caprolactam	11.10	113	6052	6.543	ng	# 1
36) 4-Chloro-3-methylphenol	11.23	107	130941	36.048	ng	# 25
50) Dimethylphthalate	12.79	163	81140	11.679	ng	97
84) Bis(2-ethylhexyl)phthalate	19.27	149	17236	2.624	ng	# 87
90) Benzo(a)pyrene	21.09	252	32148	4.209	ng	# 46

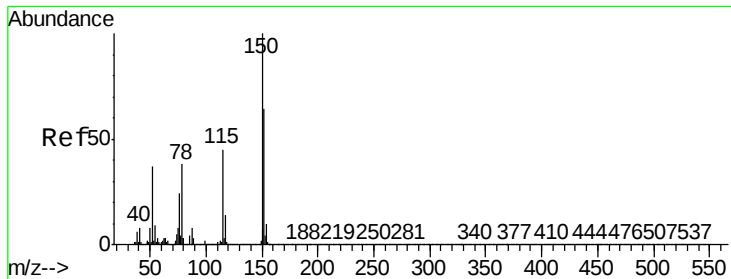
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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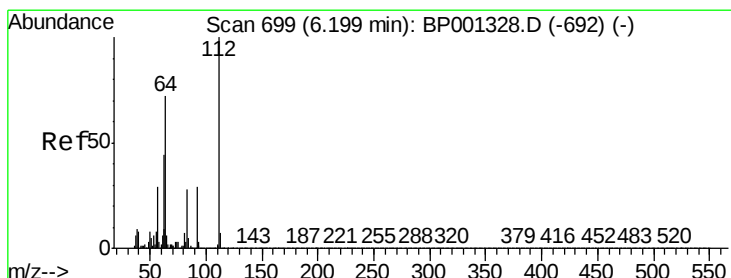
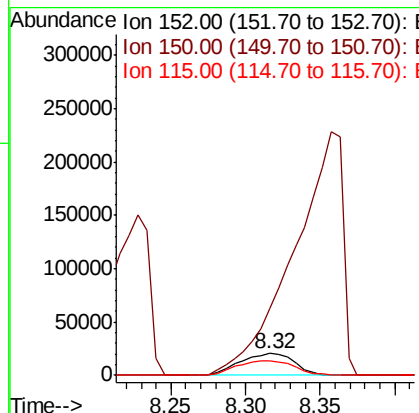
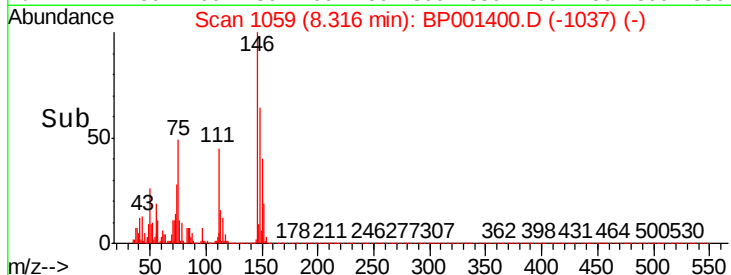
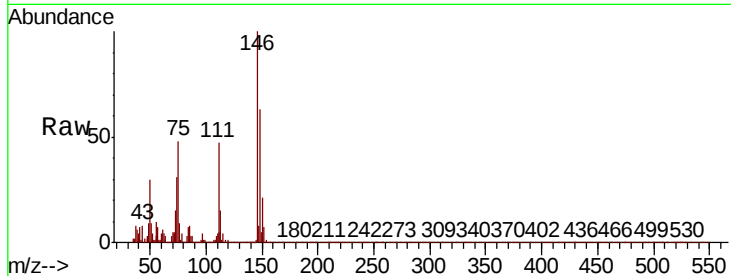




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.32 min Scan# 1059
Delta R.T. 0.03 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

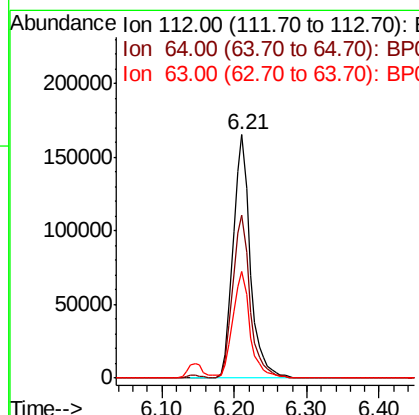
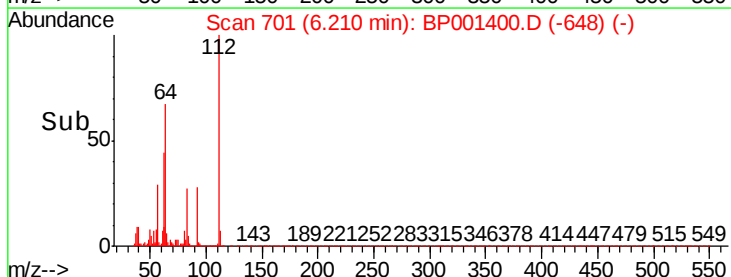
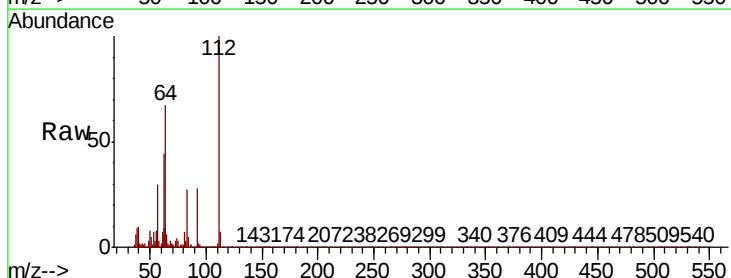
Instrument :
BNA_P
ClientSampleId :

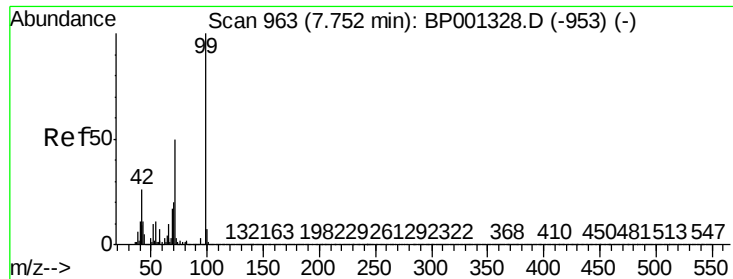
Tot Ion	Ratio	Lower	Upper
152	100		
150	309.3	127.0	190.6
115	67.3	56.1	84.1



#5
2-Fluorophenol
Concen: 84.292 ng
RT: 6.21 min Scan# 701
Delta R.T. 0.01 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.9	80.9
63	43.6	33.4	50.0





#7

Phenol-d6

Concen: 16.454 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

Instrument :

BNA_P

ClientSampled :

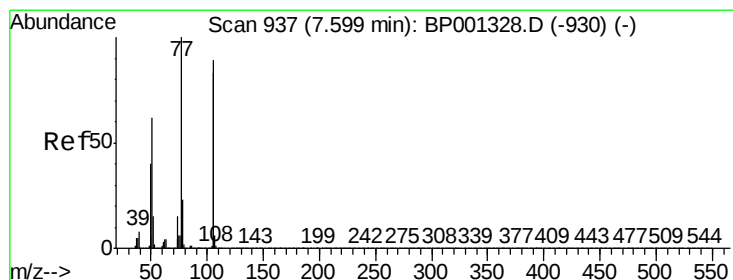
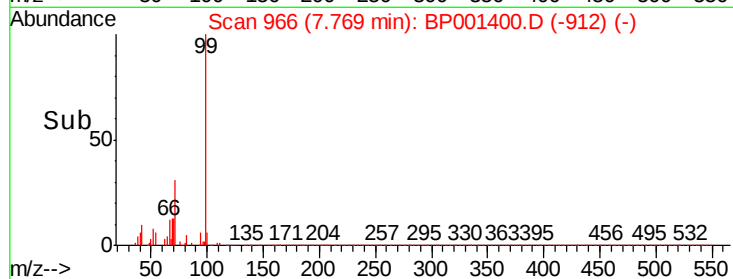
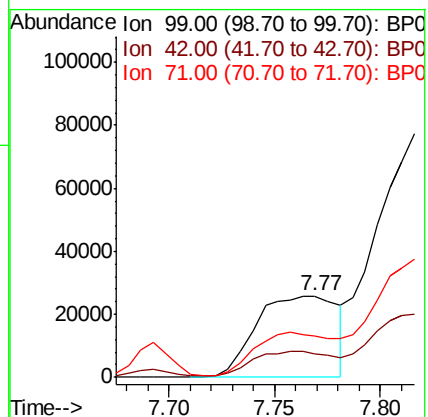
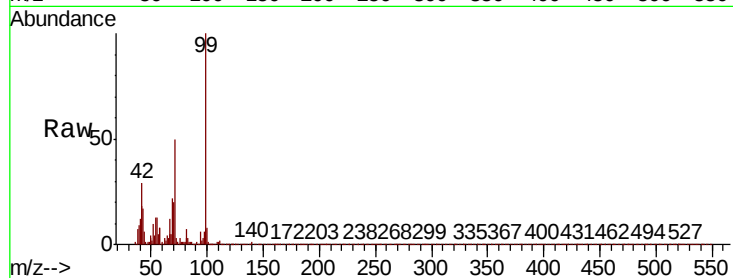
Tot Ion: 99 Resp: 69359

Ion Ratio Lower Upper

99 100

42 28.7 20.8 31.2

71 50.0 38.2 57.4



#9

Benzaldehyde

Concen: 3.266 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.00 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

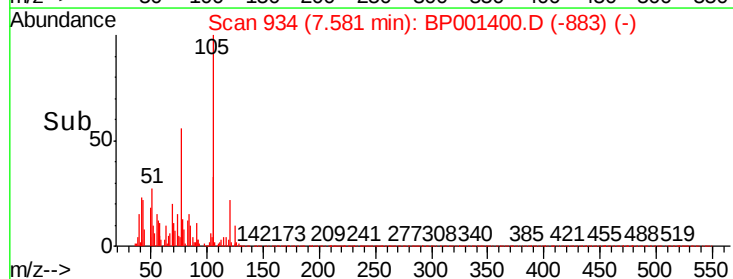
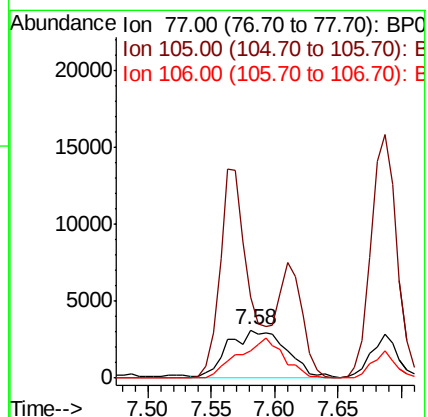
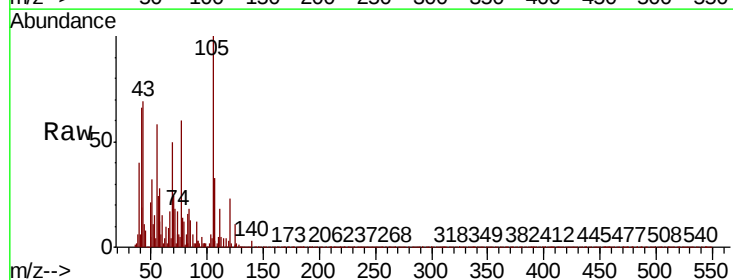
Tgt Ion: 77 Resp: 9657

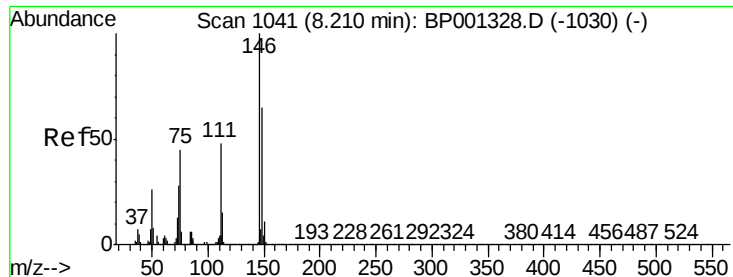
Ion Ratio Lower Upper

77 100

105 167.6 75.7 115.7#

106 55.6 70.5 110.5#





#12

1,3-Dichlorobenzene

Concen: 685.363 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.04 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

Instrument :

BNA_P

ClientSampleId :

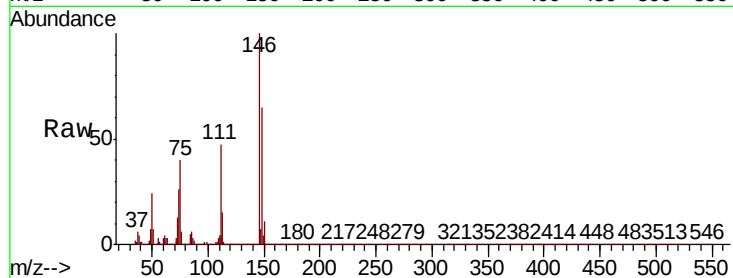
Tot Ion:146 Resp: 2772468

Ion Ratio Lower Upper

146 100

148 65.0 52.2 78.2

75 40.3 35.8 53.8

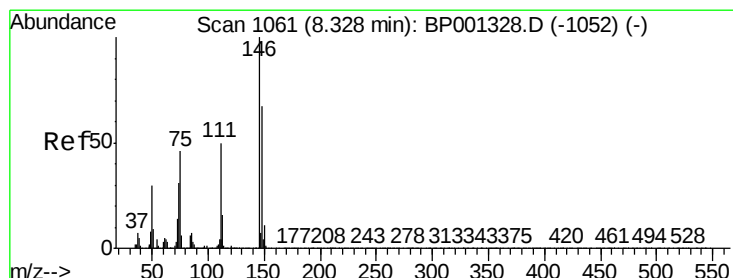
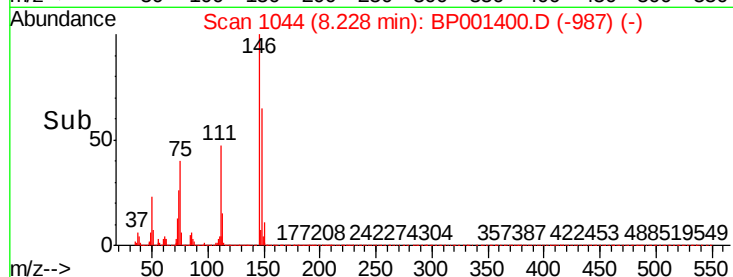
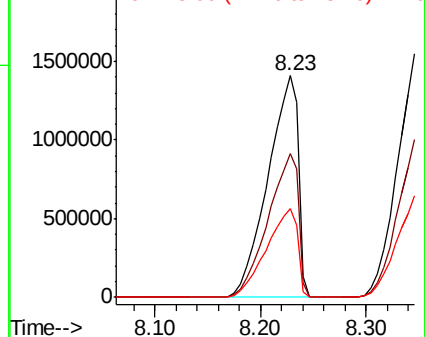


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BP



#13

1,4-Dichlorobenzene

Concen: 1015.182 ng

RT: 8.36 min Scan# 1066

Delta R.T. 0.04 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

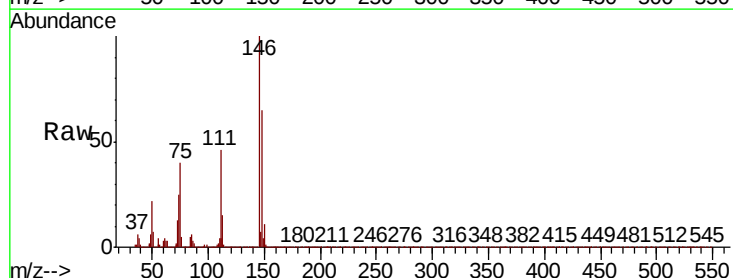
Tgt Ion:146 Resp: 4183955

Ion Ratio Lower Upper

146 100

148 64.8 51.9 77.9

111 46.2 36.8 55.2

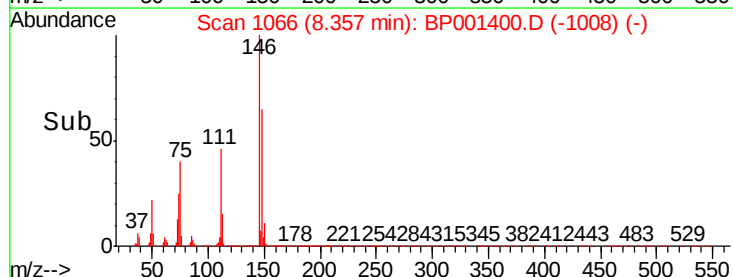
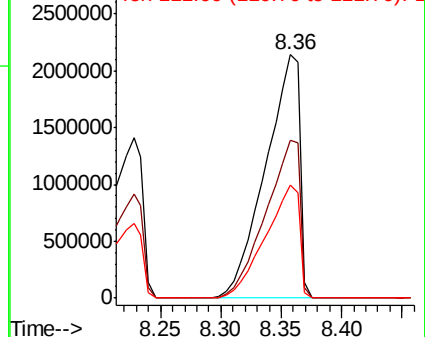


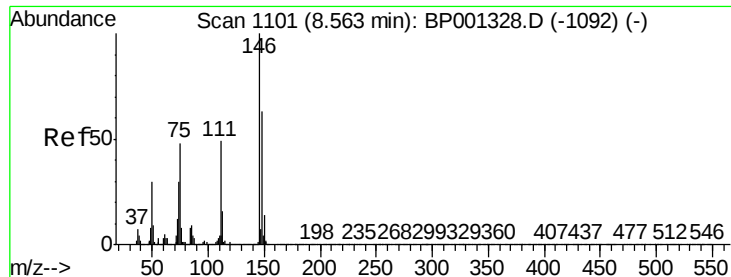
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

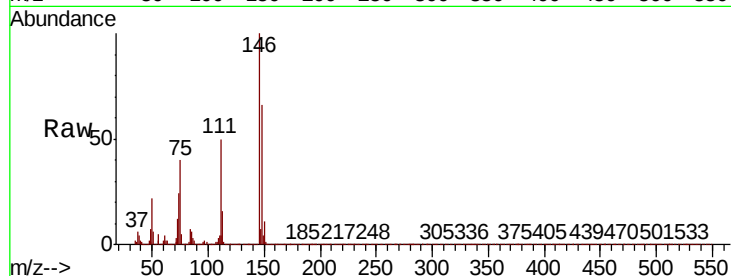




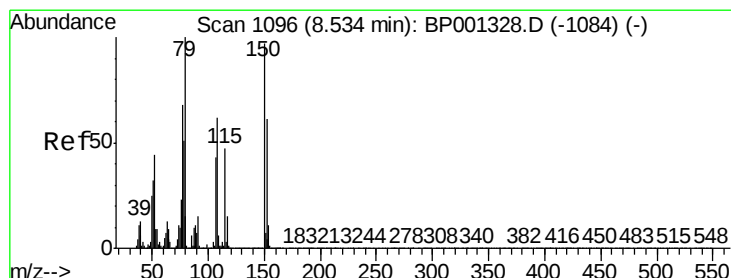
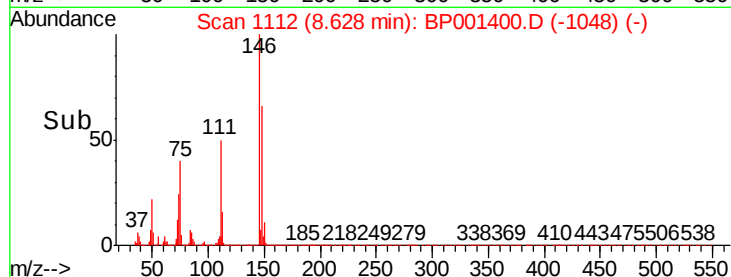
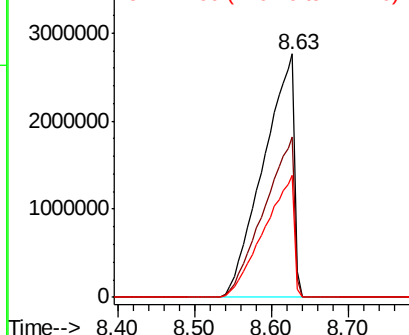
#14
1,2-Dichlorobenzene
Concen: 1959.969 ng
RT: 8.63 min Scan# 1112
Delta R.T. 0.08 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:146 Resp: 7695476
Ion Ratio Lower Upper
146 100
148 65.9 53.1 79.7
111 49.9 39.5 59.3

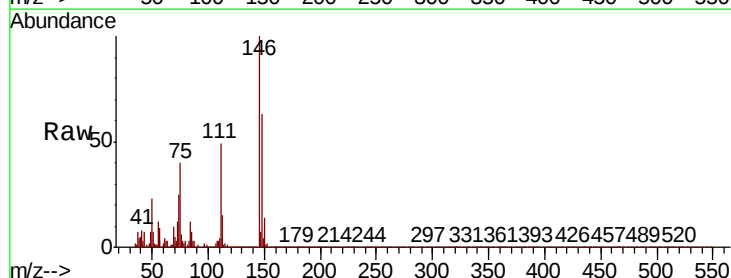


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

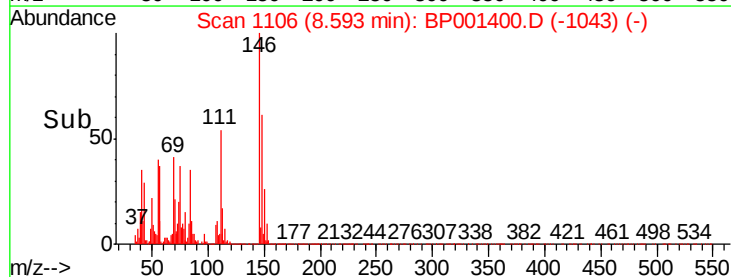
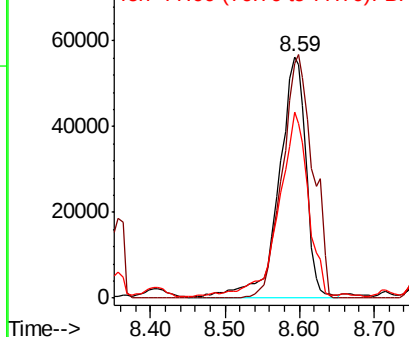


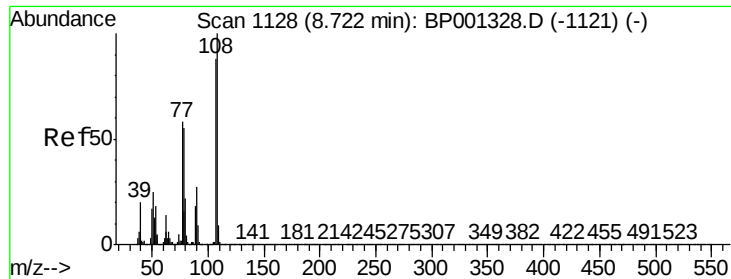
#15
Benzyl Alcohol
Concen: 35.548 ng
RT: 8.59 min Scan# 1106
Delta R.T. 0.07 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion: 79 Resp: 140600
Ion Ratio Lower Upper
79 100
108 97.4 49.0 73.4#
77 77.1 56.7 85.1



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

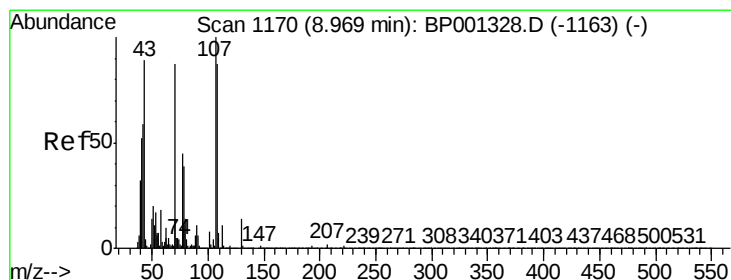
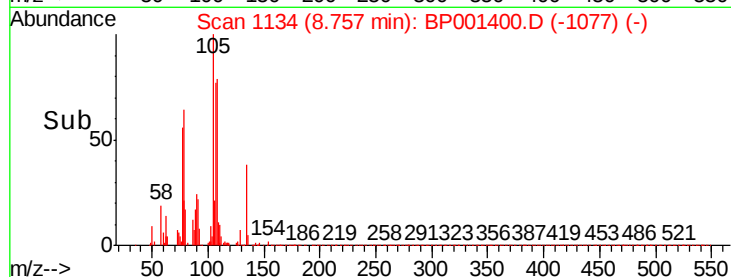
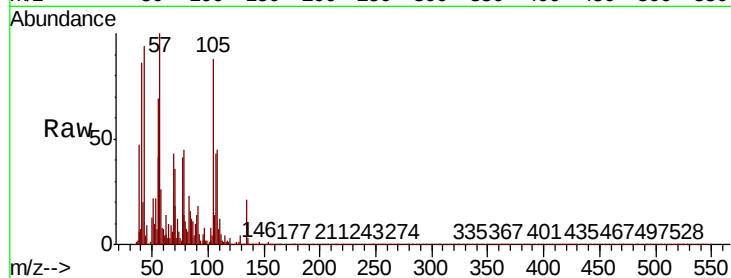
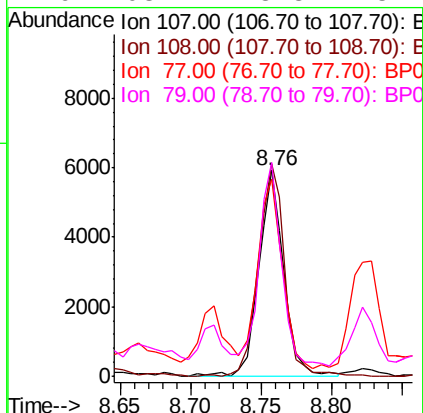




#17
2-Methylphenol
Concen: 2.571 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.04 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

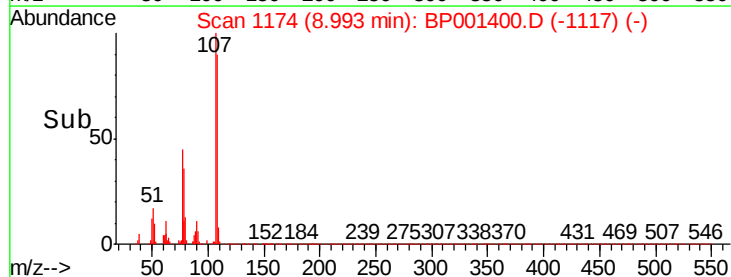
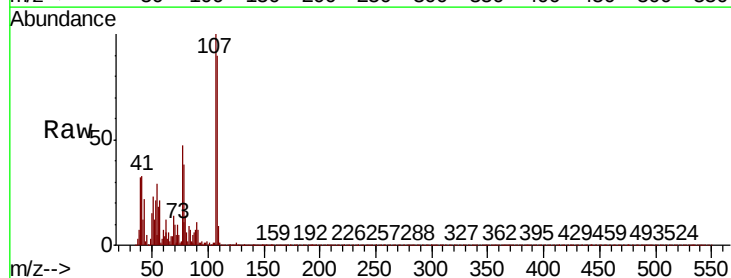
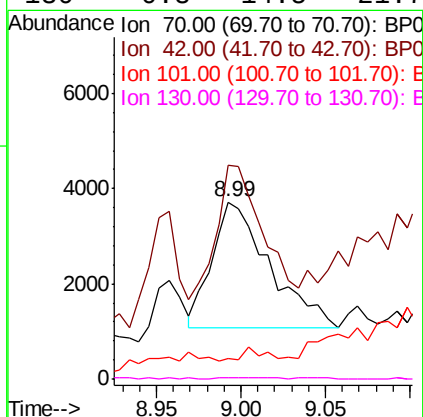
Instrument :
BNA_P
ClientSampleId :

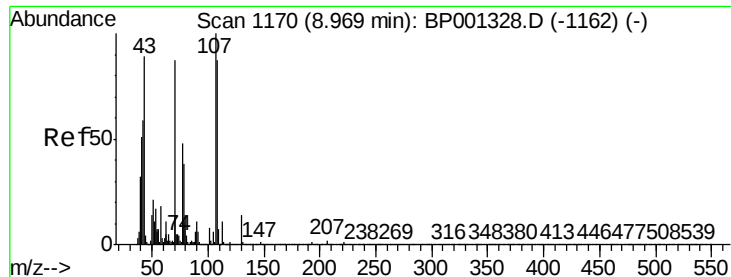
Tot Ion	Ratio	Lower	Upper
107	100		
108	103.4	88.8	133.2
77	95.7	48.9	73.3#
79	103.7	48.8	73.2#



#19
n-Nitroso-di-n-propylamine
Concen: 2.102 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.04 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
70	100		
42	120.5	55.8	83.8#
101	11.3	8.2	12.2
130	0.8	14.5	21.7#

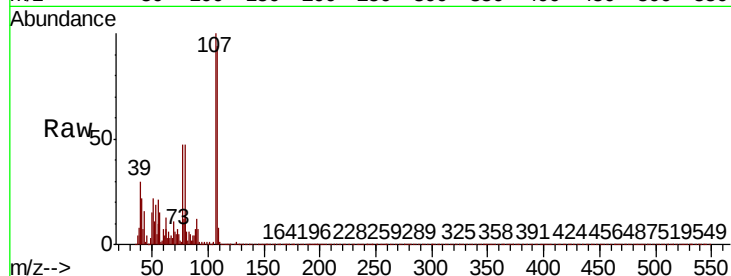




#20
3+4-Methylphenols
Concen: 22.726 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.04 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Instrument :
BNA_P
ClientSampleId :

Tot Ion:107	Resp:	86548
Ion Ratio	Lower	Upper
107	100	
108	94.3	70.4 110.4
77	47.1	24.5 64.5
79	46.8	18.8 58.8



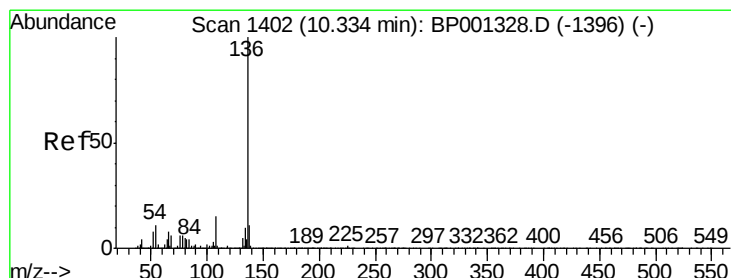
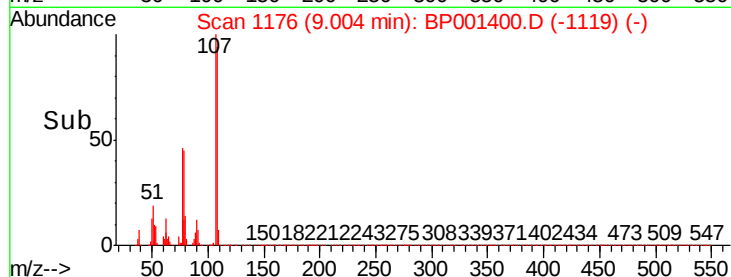
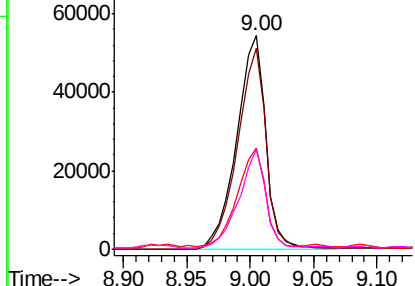
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

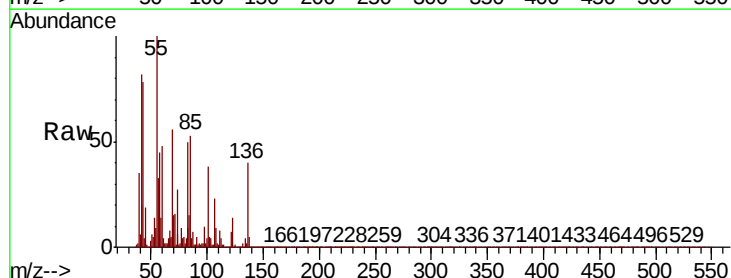
Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion:136	Resp:	186757
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	21.1	7.3 10.9#
68	13.0	3.8 5.6#



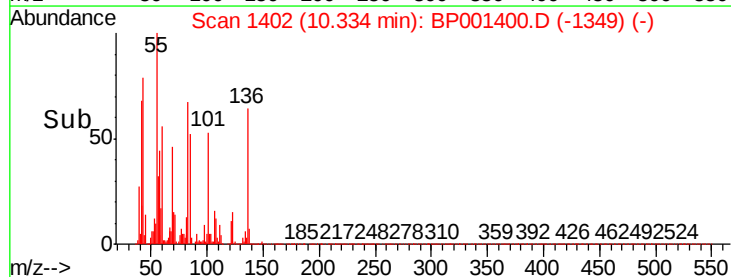
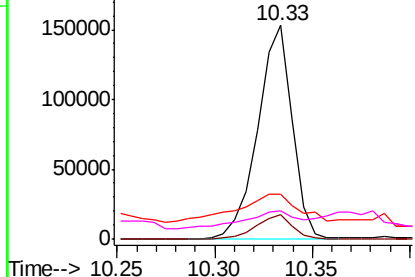
Abundance

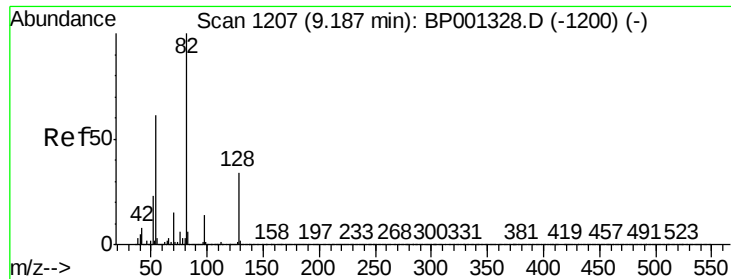
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

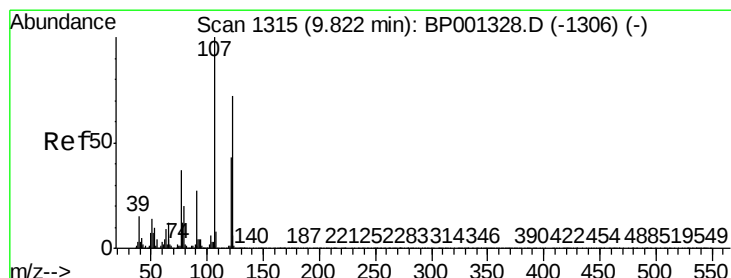
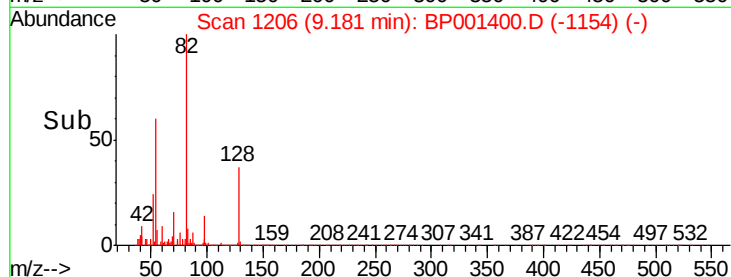
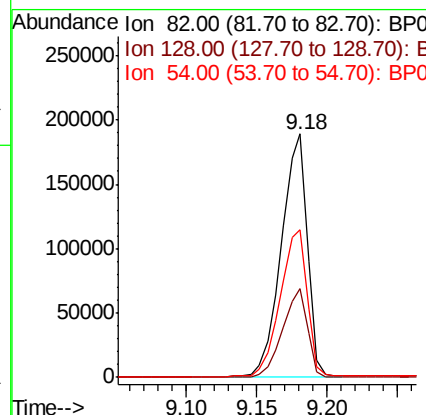
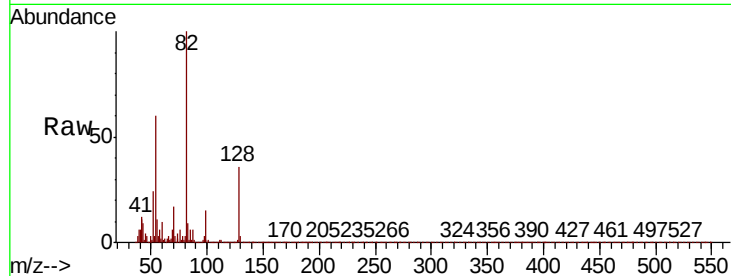




#23
 Nitrobenzene-d5
 Concen: 49.820 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

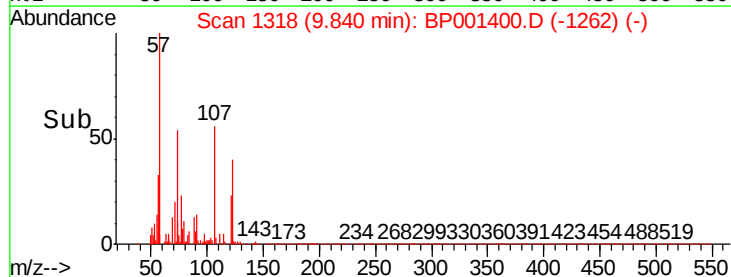
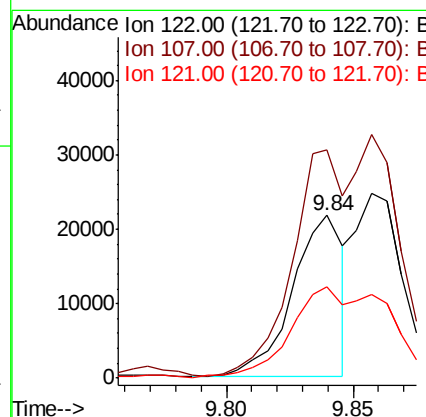
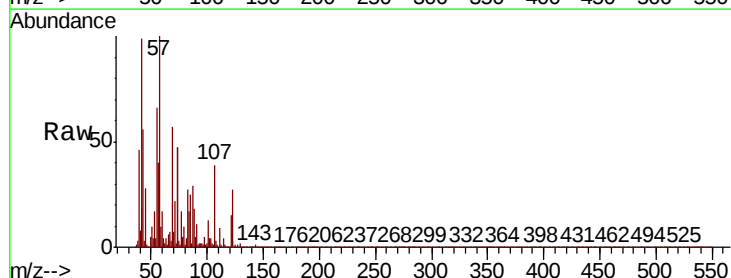
Instrument :
 BNA_P
 ClientSampleId :

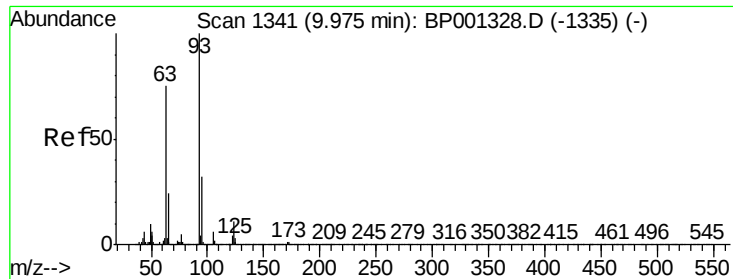
Tot Ion	82	Resp	242289
Ion Ratio	100	Lower	Upper
128	36.4	27.4	41.0
54	60.5	47.5	71.3



#27
 2,4-Dimethylphenol
 Concen: 12.065 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.03 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

Tgt Ion	122	Resp	30288
Ion Ratio	100	Lower	Upper
107	140.4	106.5	159.7
121	56.4	47.1	70.7

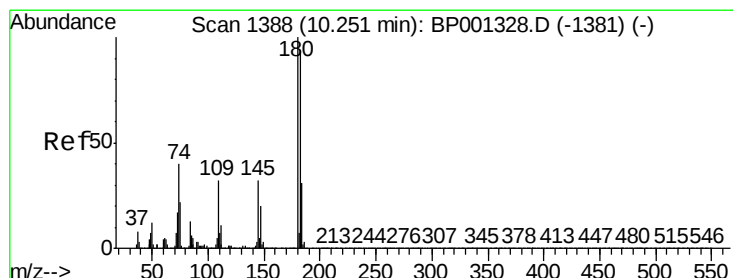
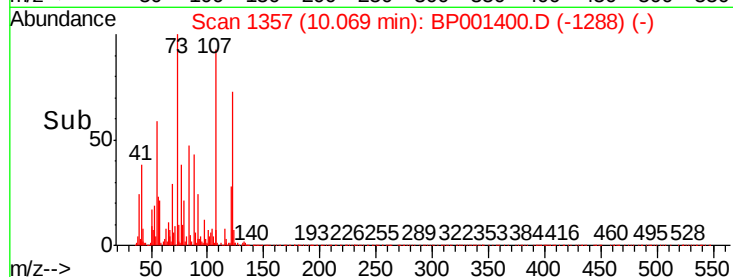
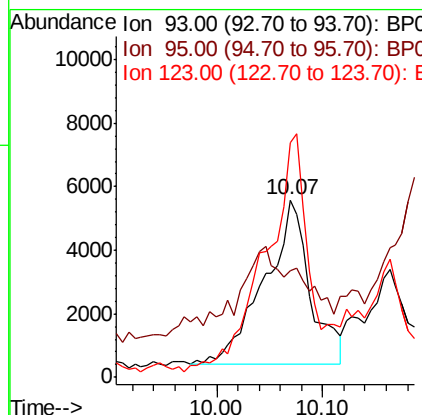
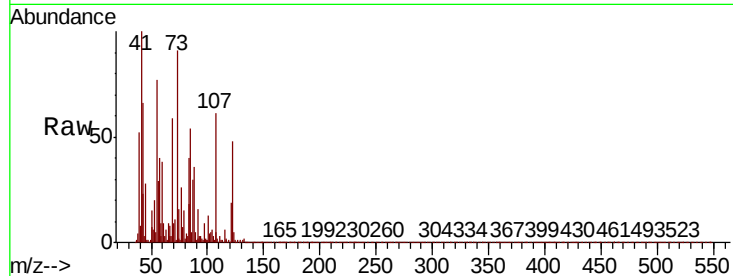




#28
bis(2-Chloroethoxy)methane
Concen: 3.297 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.11 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

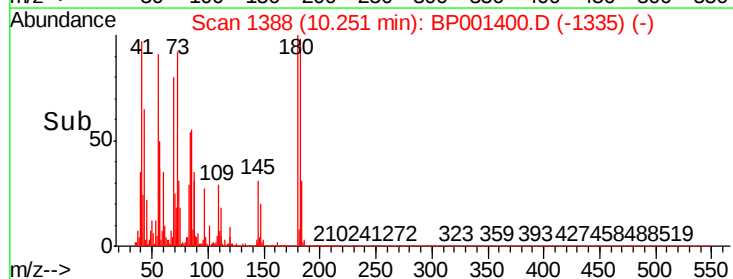
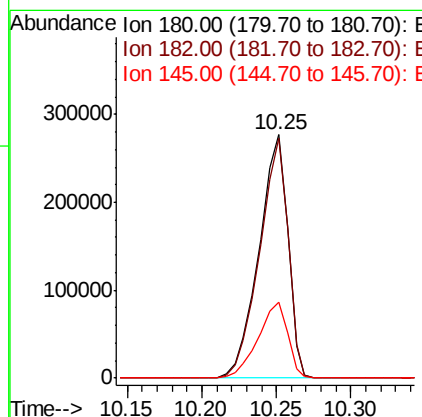
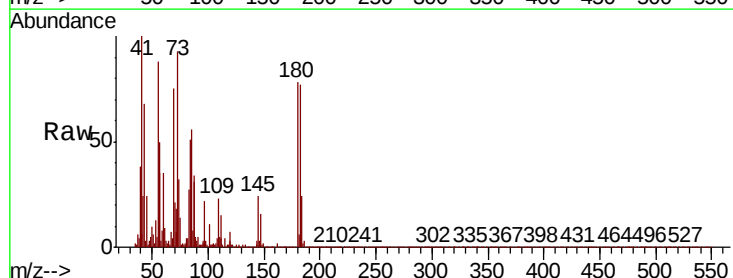
Instrument :
BNA_P
ClientSampleId :

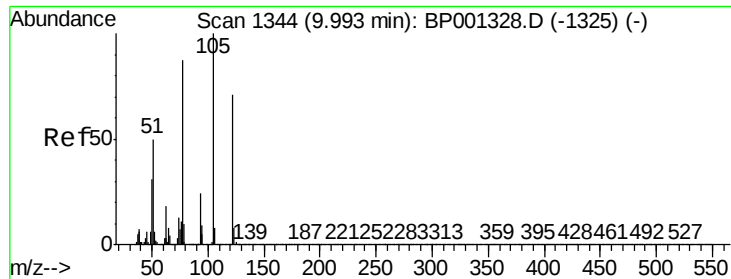
Tot Ion: 93 Resp: 15397
Ion Ratio Lower Upper
93 100
95 59.8 26.3 39.5#
123 132.1 9.0 13.6#



#30
1,2,4-Trichlorobenzene
Concen: 96.779 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion: 180 Resp: 370029
Ion Ratio Lower Upper
180 100
182 98.3 79.3 118.9
145 31.2 23.1 34.7

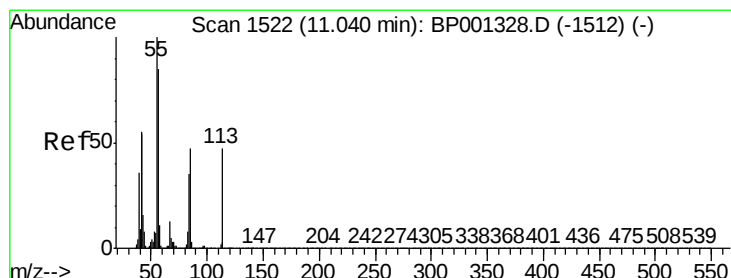
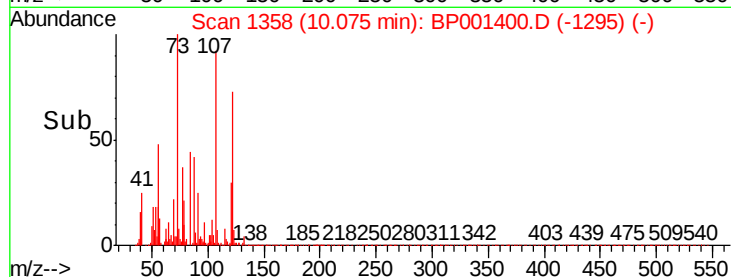
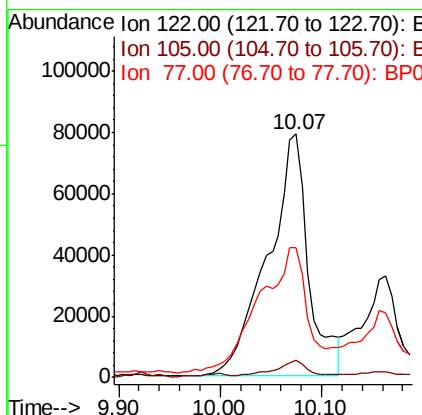
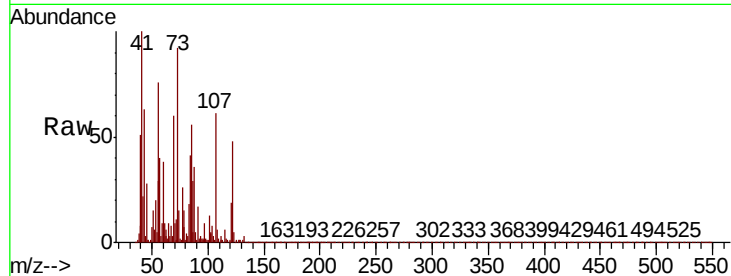




#32
Benzoic acid
Concen: 103.432 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.07 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

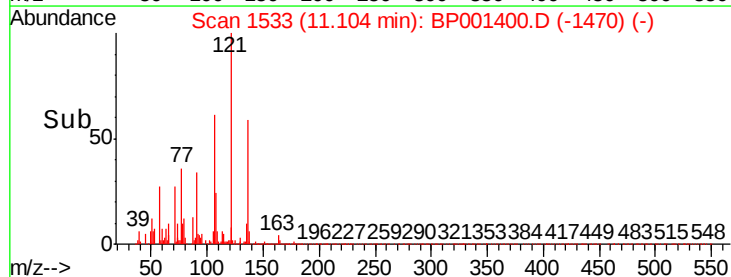
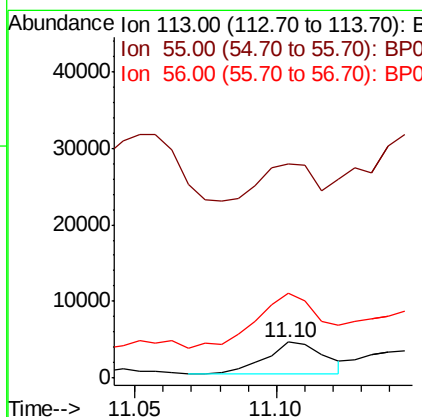
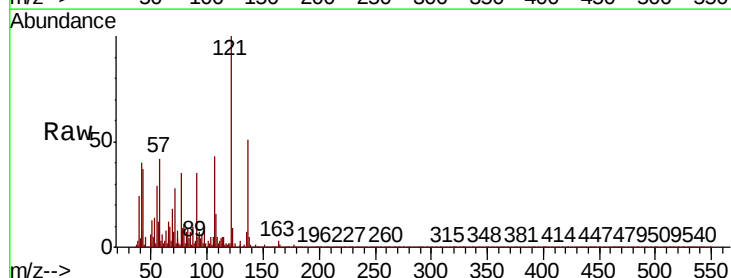
Instrument :
BNA_P
ClientSampled :

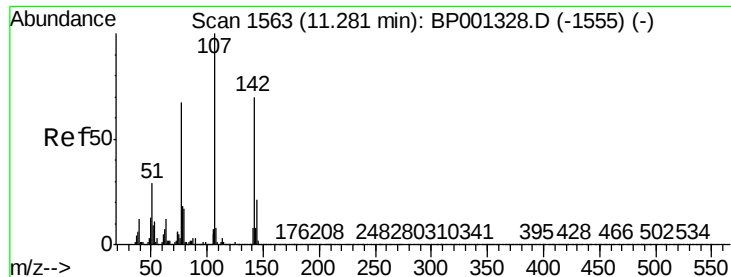
Tot Ion:122 Resp: 223084
Ion Ratio Lower Upper
122 100
105 6.8 117.8 157.8#
77 53.5 85.6 125.6#



#35
Caprolactam
Concen: 6.543 ng
RT: 11.10 min Scan# 1533
Delta R.T. 0.07 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion:113 Resp: 6052
Ion Ratio Lower Upper
113 100
55 599.1 164.2 204.2#
56 238.2 130.8 170.8#

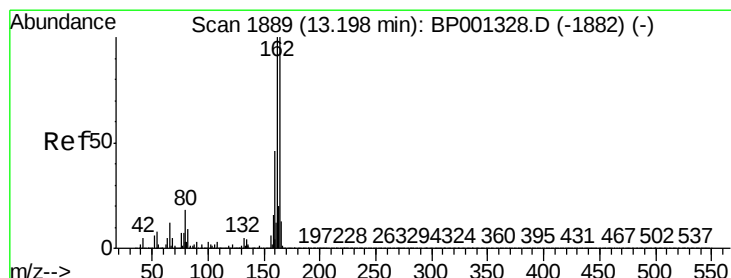
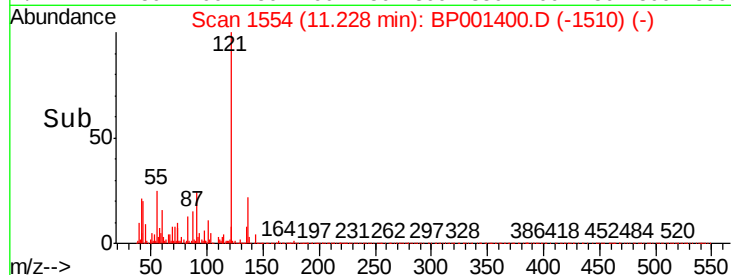
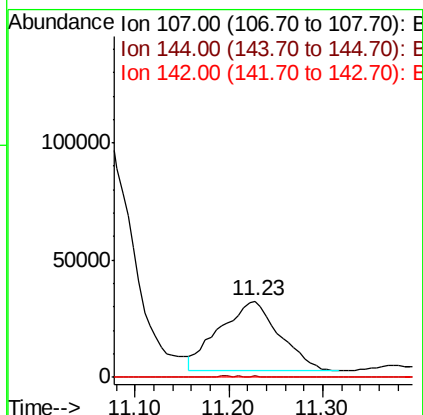
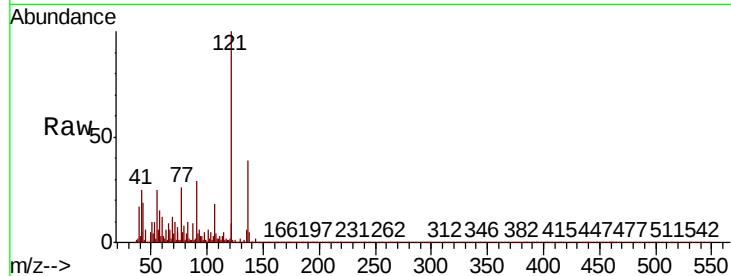




#36
4-Chloro-3-methylphenol
Concen: 36.048 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.04 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

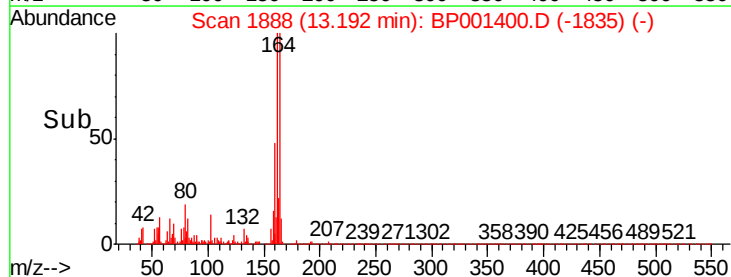
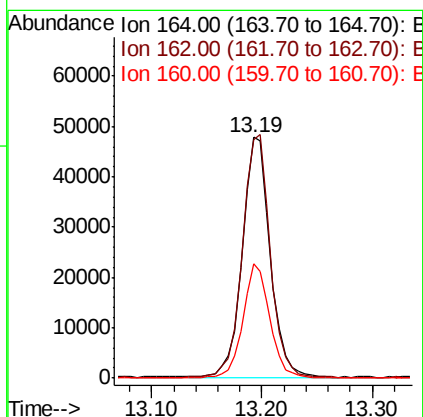
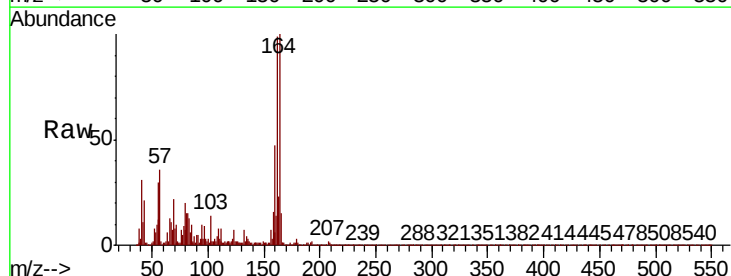
Instrument :
BNA_P
ClientSampled :

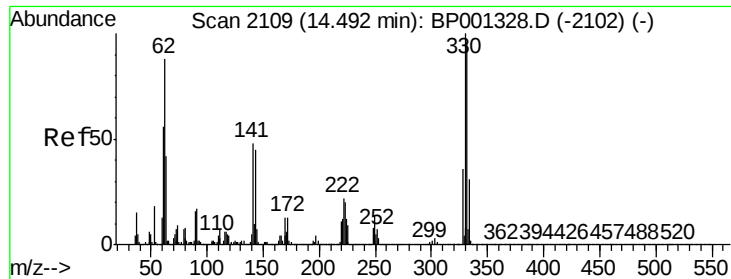
Tot Ion:107 Resp: 130941
Ion Ratio Lower Upper
107 100
144 1.4 17.8 26.8#
142 0.1 56.2 84.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.19 min Scan# 1888
Delta R.T. 0.01 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion:164 Resp: 84685
Ion Ratio Lower Upper
164 100
162 99.1 78.2 117.4
160 47.5 35.1 52.7

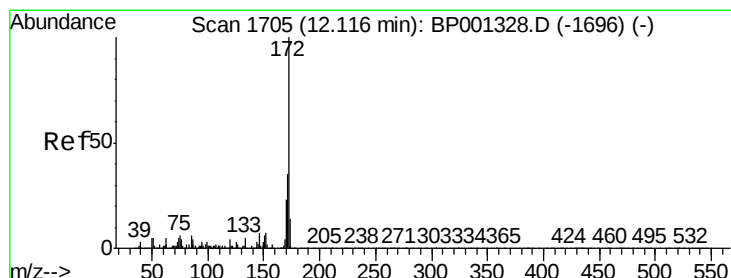
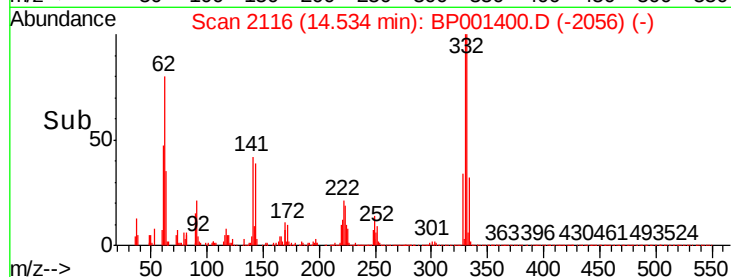
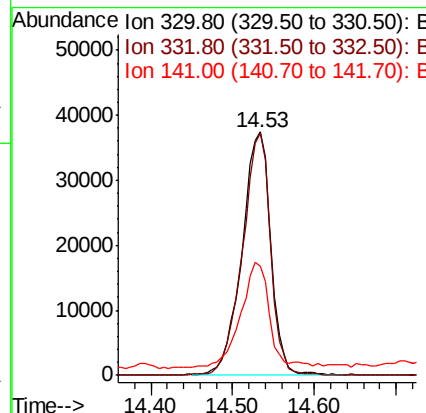
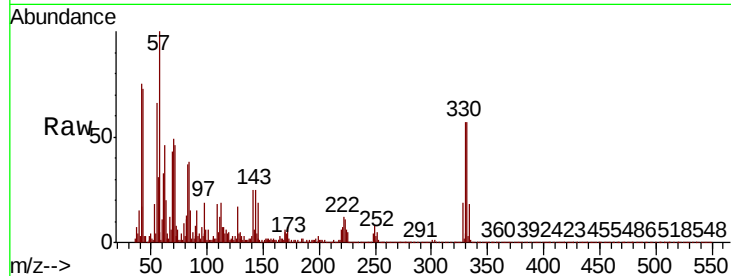




#42
2,4,6-Tribromophenol
Concen: 87.218 ng
RT: 14.53 min Scan# 2116
Delta R.T. 0.05 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

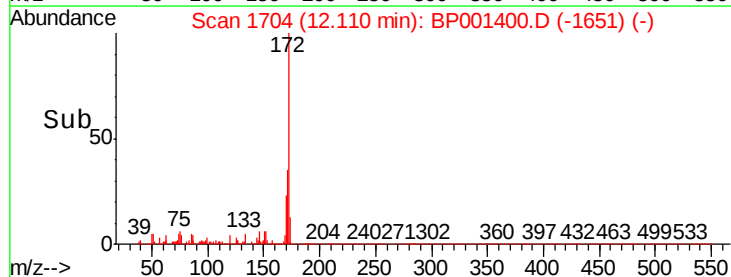
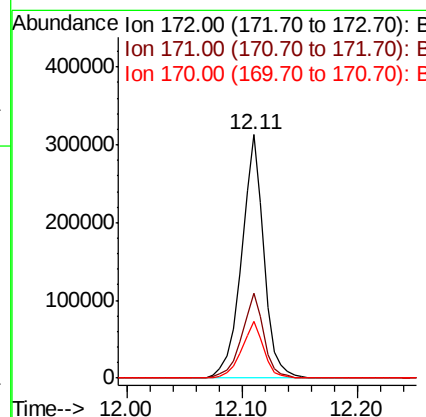
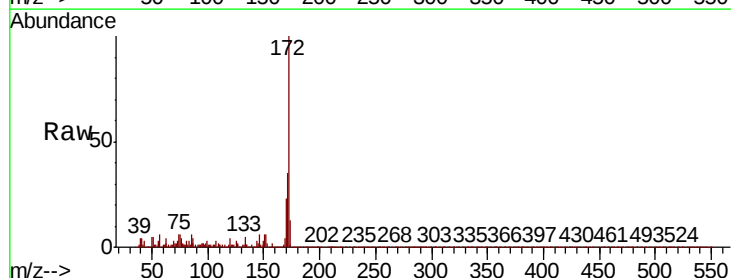
Instrument :
BNA_P
ClientSampleId :

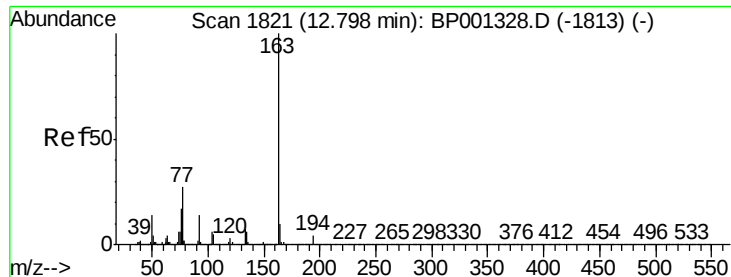
Tot Ion:330 Resp: 92343
Ion Ratio Lower Upper
330 100
332 97.1 78.3 117.5
141 44.8 26.8 40.2#



#45
2-Fluorobiphenyl
Concen: 62.285 ng
RT: 12.11 min Scan# 1704
Delta R.T. 0.01 min
Lab File: BP001400.D
Acq: 24 Dec 2019 22:04

Tgt Ion:172 Resp: 417133
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.0
170 23.3 18.2 27.4





#50

Dimethylphthalate

Concen: 11.679 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

Instrument :

BNA_P

ClientSampleId :

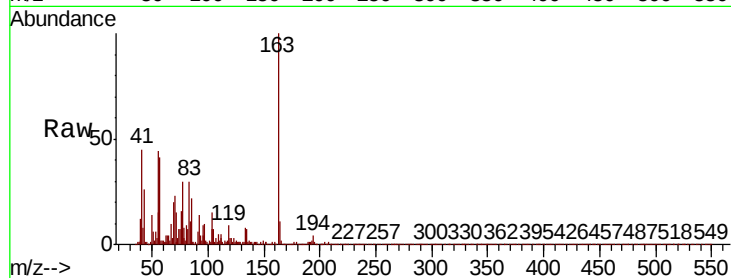
Tot Ion:163 Resp: 81140

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

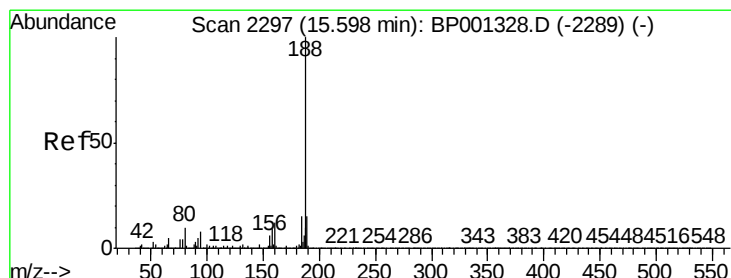
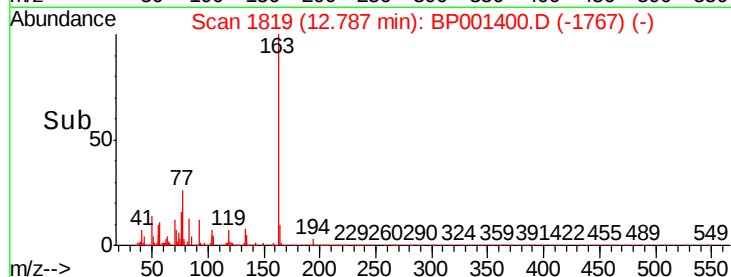
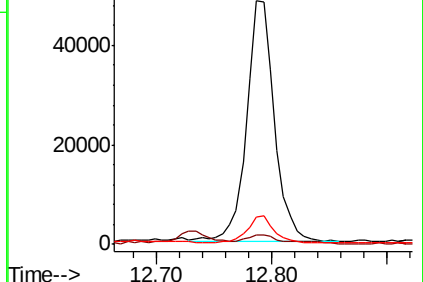
164 11.0 7.7 11.5



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.02 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

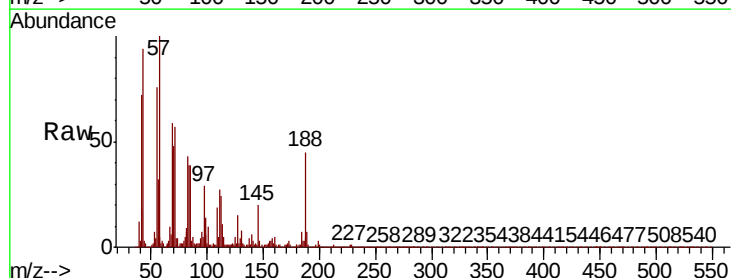
Tgt Ion:188 Resp: 163342

Ion Ratio Lower Upper

188 100

94 9.1 5.8 8.8#

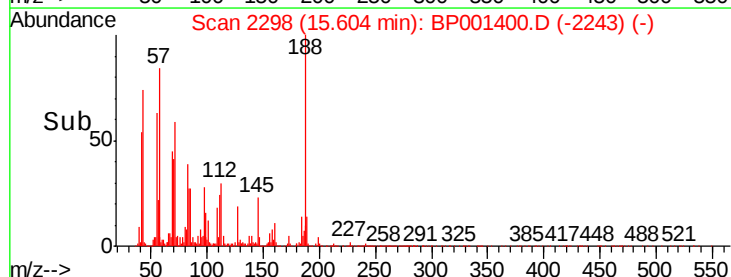
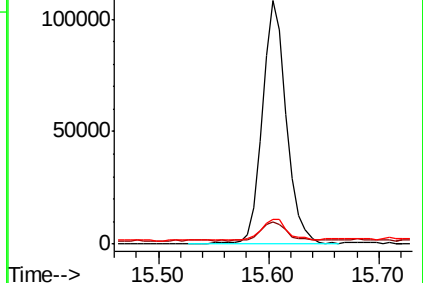
80 10.3 5.7 8.5#

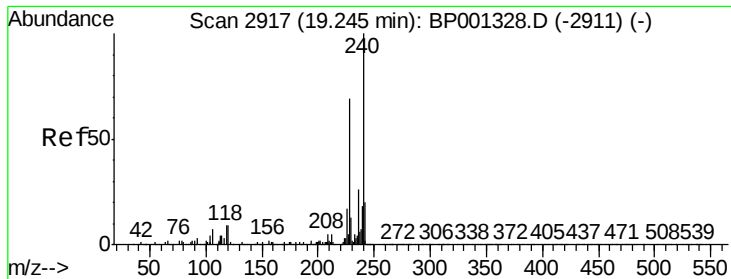


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

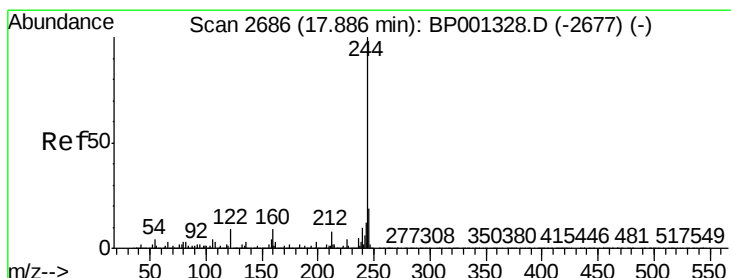
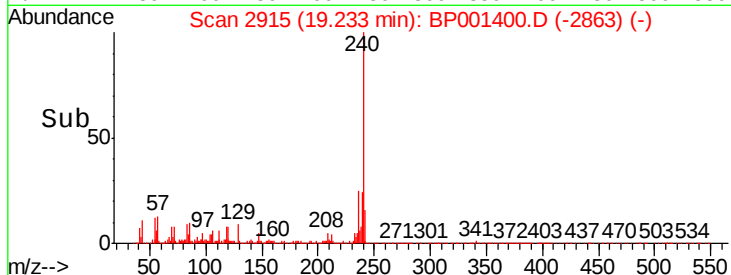
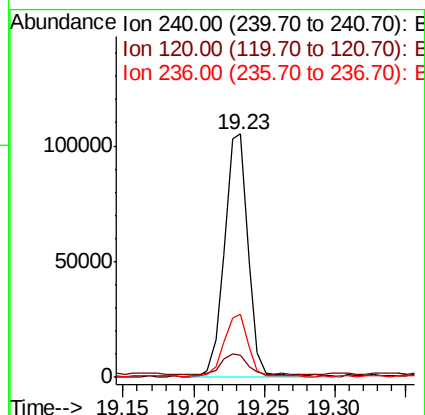
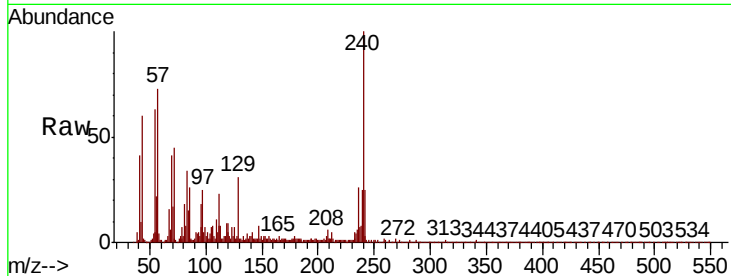




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 19.23 min Scan# 2915
 Delta R.T. 0.01 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

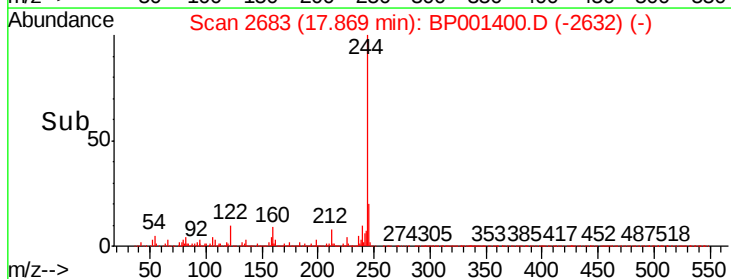
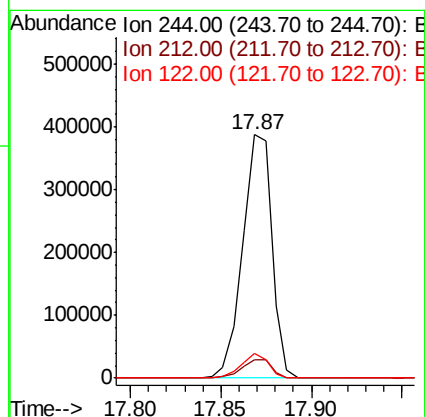
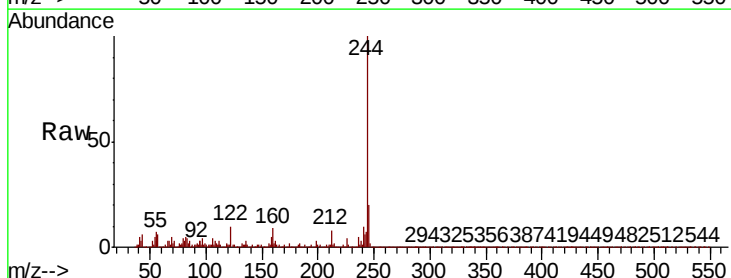
Instrument :
 BNA_P
 ClientSampleId :

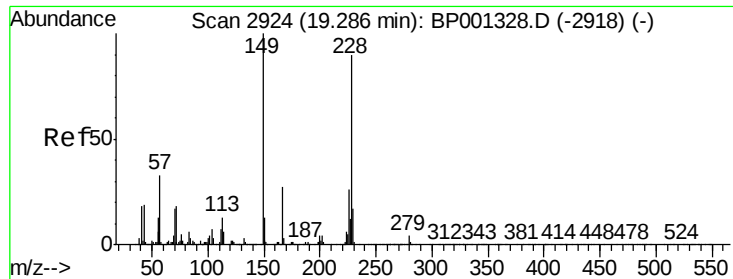
Tot Ion:240 Resp: 123652
 Ion Ratio Lower Upper
 240 100
 120 9.2 6.2 9.2
 236 25.7 20.2 30.2



#79
 Terphenyl-d14
 Concen: 60.039 ng
 RT: 17.87 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

Tgt Ion:244 Resp: 433447
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 10.2 6.4 9.6#

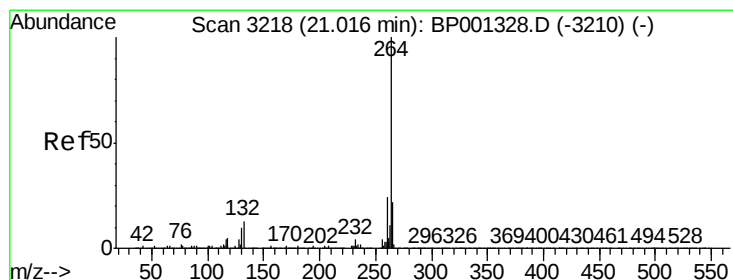
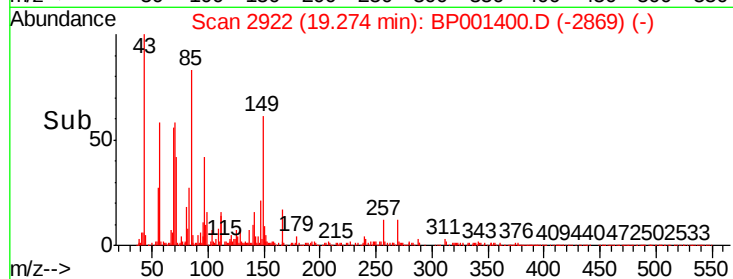
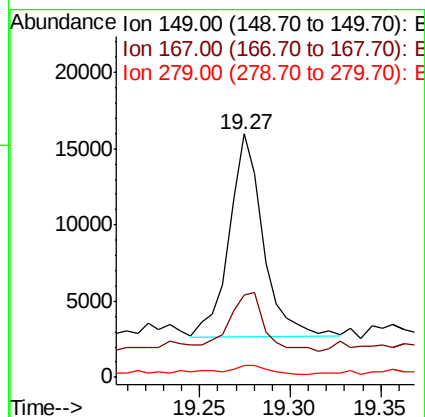
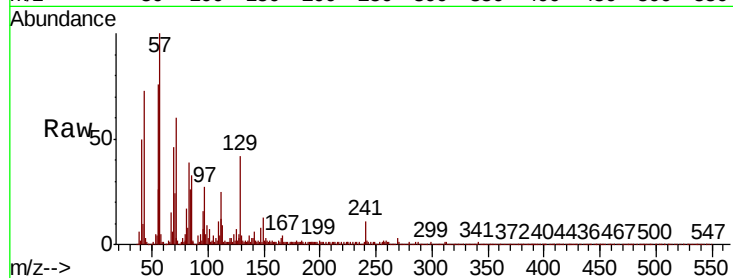




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.624 ng
 RT: 19.27 min Scan# 2922
 Delta R.T. 0.01 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

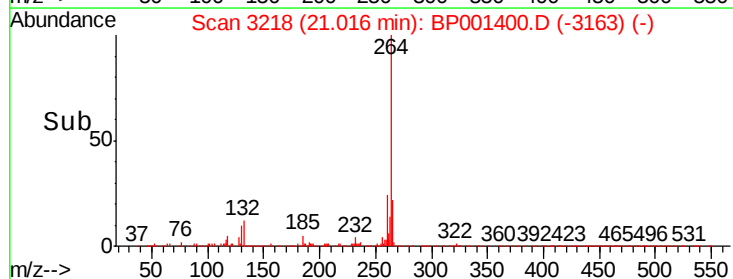
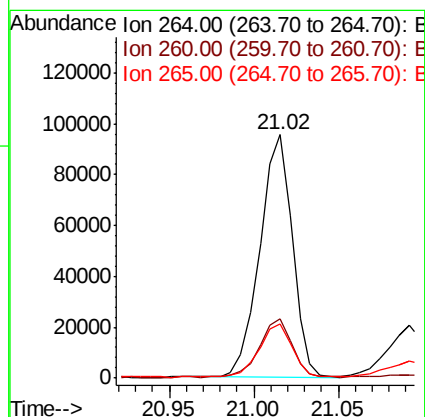
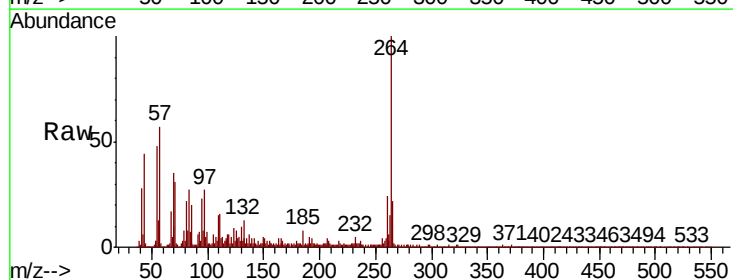
Instrument :
 BNA_P
 ClientSampleId :

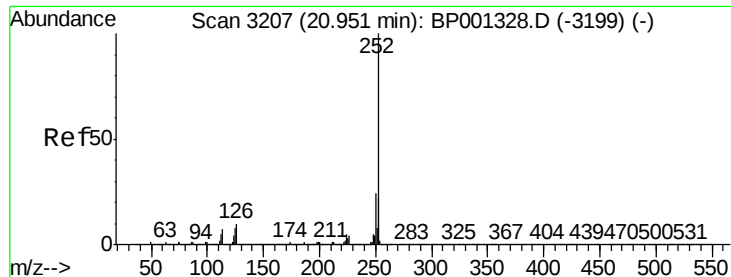
Tot Ion:149 Resp: 17236
 Ion Ratio Lower Upper
 149 100
 167 33.9 21.4 32.0#
 279 4.9 3.2 4.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.02 min Scan# 3218
 Delta R.T. 0.02 min
 Lab File: BP001400.D
 Acq: 24 Dec 2019 22:04

Tgt Ion:264 Resp: 127675
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 22.1 17.0 25.4





#90

Benzo(a)pyrene

Concen: 4.209 ng

RT: 21.09 min Scan# 3231

Delta R.T. 0.16 min

Lab File: BP001400.D

Acq: 24 Dec 2019 22:04

Instrument :

BNA_P

ClientSampleId :

Tot Ion: 252 Resp: 32148

Ion Ratio Lower Upper

252 100

253 14.6 17.2 25.8#

125 69.5 5.2 7.8#

