

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001035.D
 Acq On : 12 Nov 2019 00:38
 Operator : JU
 Sample : K5673-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 12 04:37:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	238939	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	857873	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	462688	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	864208	20.00	ng	0.00
76) Chrysene-d12	19.30	240	664285	20.00	ng	0.00
87) Perylene-d12	21.09	264	603007	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.30	112	521548	39.73	ng	0.00
7) Phenol-d6	7.81	99	682563	41.12	ng	0.00
23) Nitrobenzene-d5	9.25	82	393617	25.38	ng	-0.01
42) 2,4,6-Tribromophenol	14.56	330	226480	41.00	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	886408	28.85	ng	0.00
79) Terphenyl-d14	17.94	244	1014603	30.38	ng	0.00

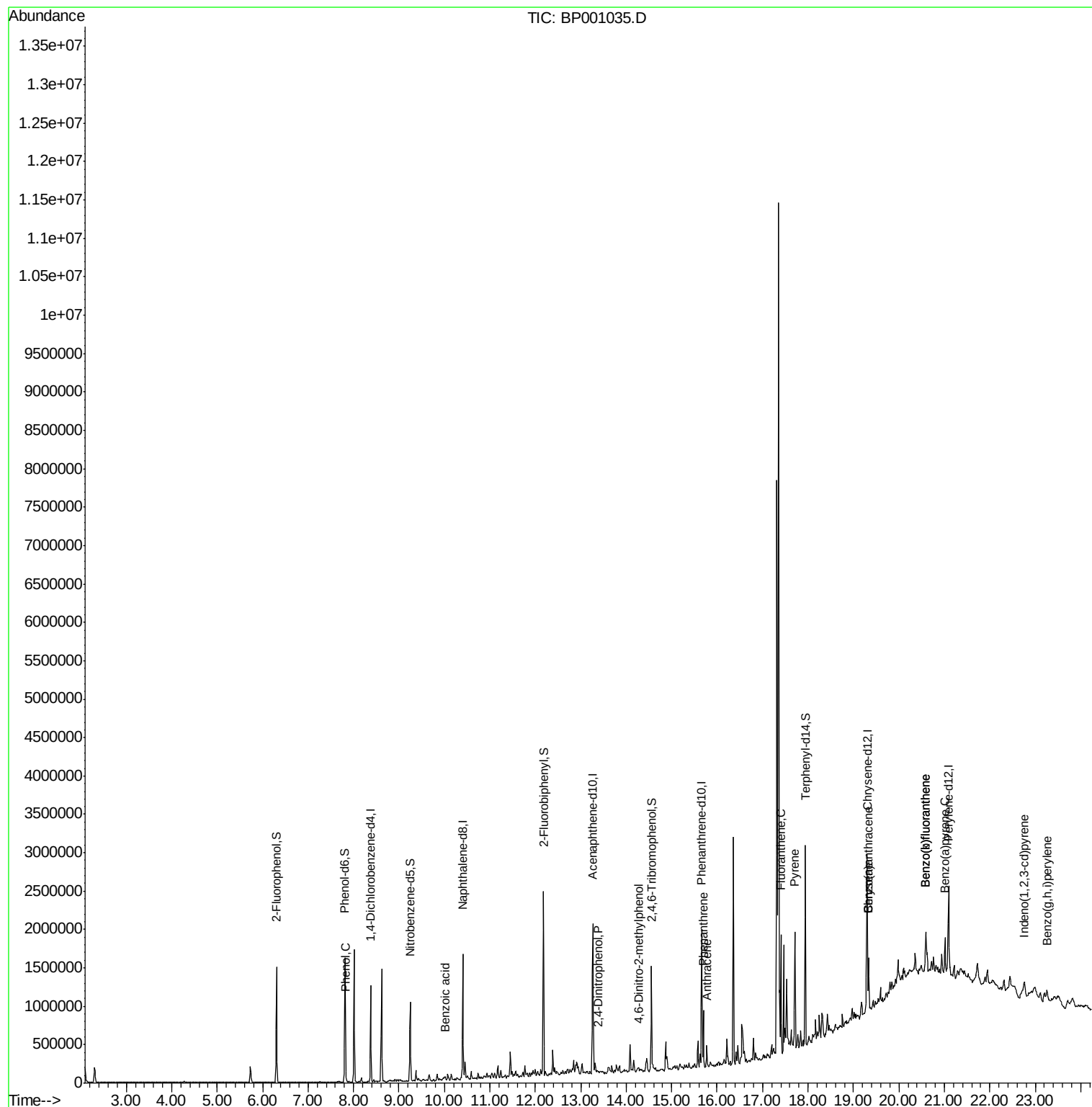
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.83	94	40633	2.238	ng	87
32) Benzoic acid	10.03	122	104	7.681	ng	# 1
54) 2,4-Dinitrophenol	13.38	184	47	8.327	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.26	198	26	9.889	ng	# 1
71) Phenanthrene	15.70	178	357126	8.074	ng	99
72) Anthracene	15.77	178	140807	3.263	ng	99
75) Fluoranthene	17.40	202	709174	14.185	ng	98
78) Pyrene	17.71	202	707928	15.080	ng	97
81) Benzo(a)anthracene	19.33	228	310122	6.932	ng	93
83) Chrysene	19.33	228	310122	7.896	ng	96
86) Indeno(1,2,3-cd)pyrene	22.76	276	124375	2.314	ng	# 94
88) Benzo(b)fluoranthene	20.59	252	337567	9.391	ng	# 95
89) Benzo(k)fluoranthene	20.59	252	337567	9.977	ng	# 94
90) Benzo(a)pyrene	21.02	252	244128	7.386	ng	# 94
92) Benzo(a,h,i)perylene	23.26	276	107650	3.169	ng	# 92

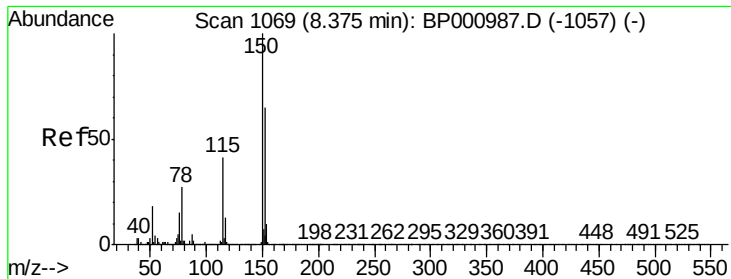
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampleId :

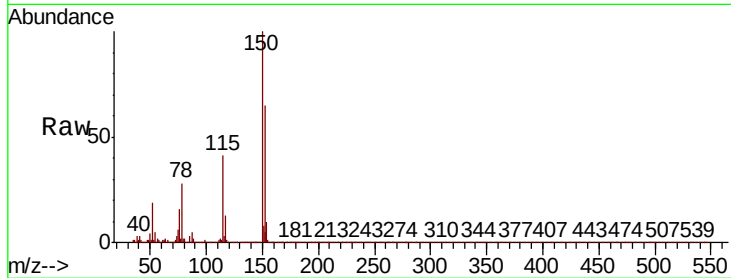
Tot Ion:152 Resp: 238939

Ion Ratio Lower Upper

152 100

150 153.6 123.6 185.4

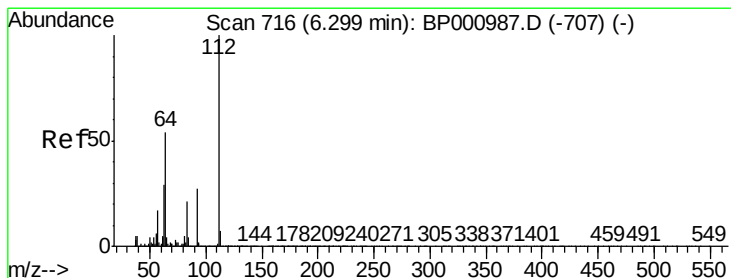
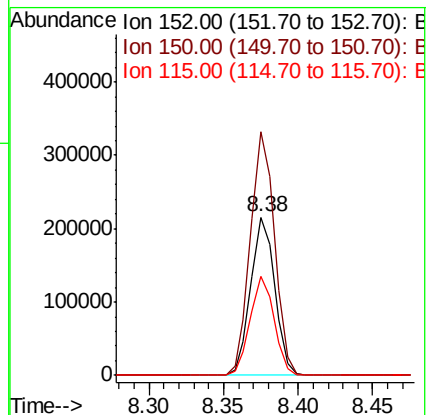
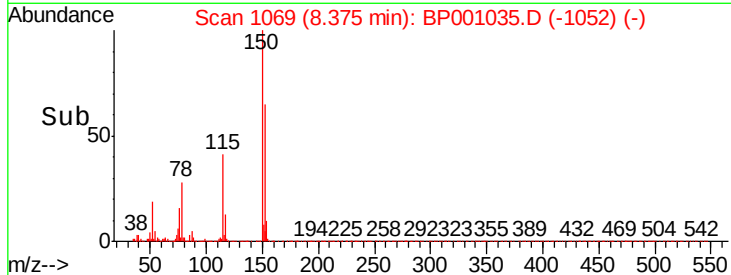
115 62.3 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 39.730 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

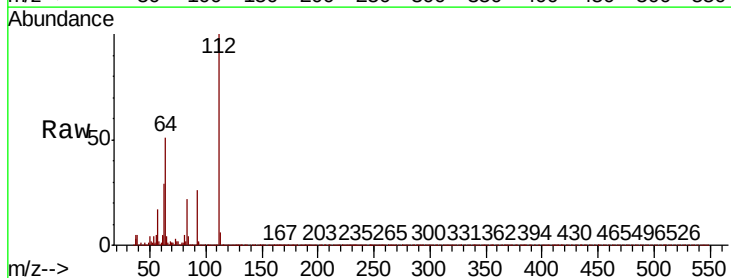
Tgt Ion:112 Resp: 521548

Ion Ratio Lower Upper

112 100

64 50.8 43.4 65.0

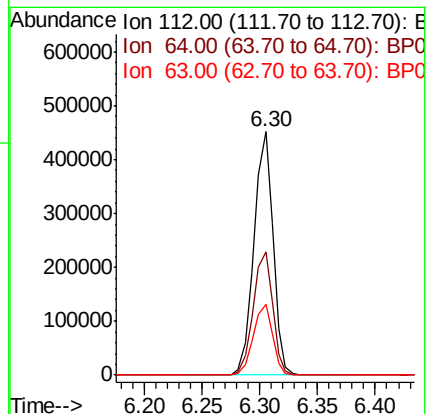
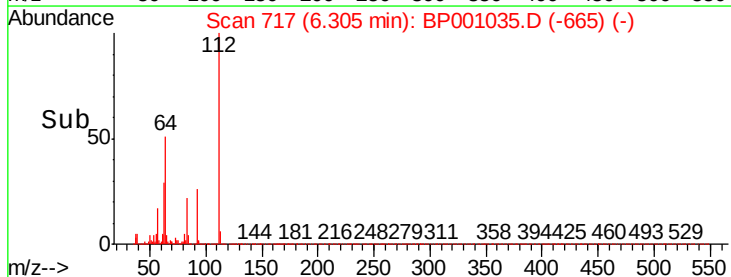
63 29.2 23.4 35.0

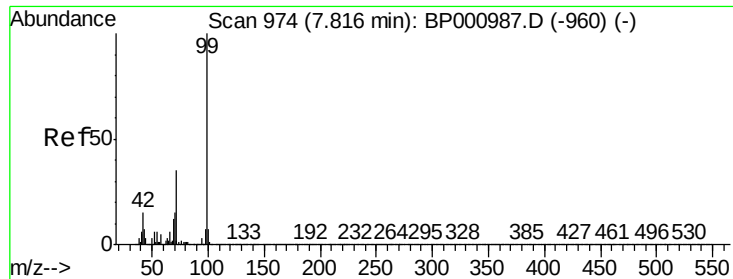


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 41.118 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampleId :

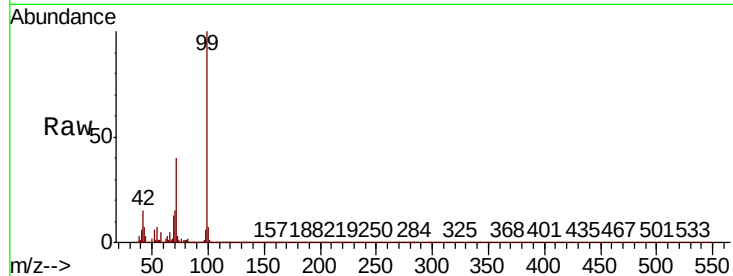
Tot Ion: 99 Resp: 682563

Ion Ratio Lower Upper

99 100

42 15.5 11.6 17.4

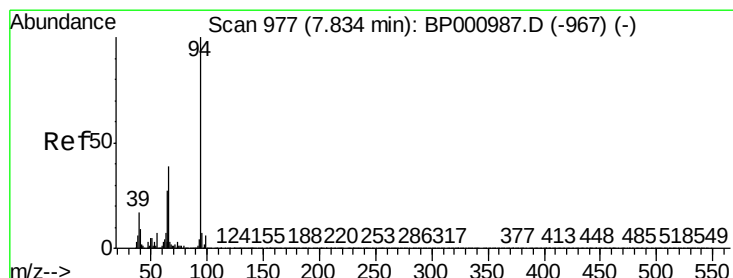
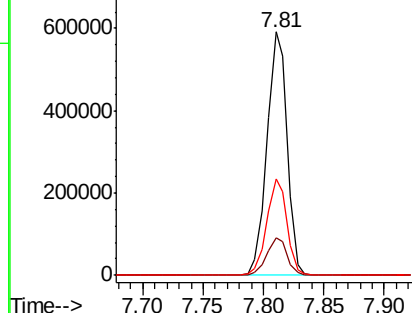
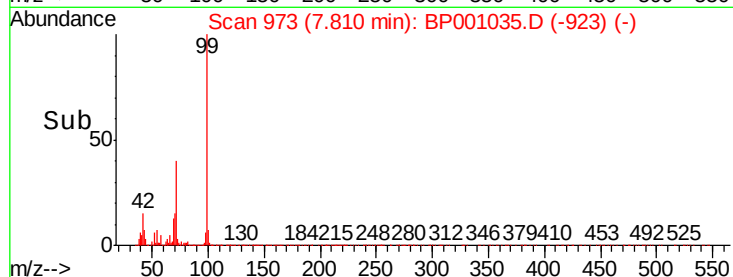
71 39.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 2.238 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

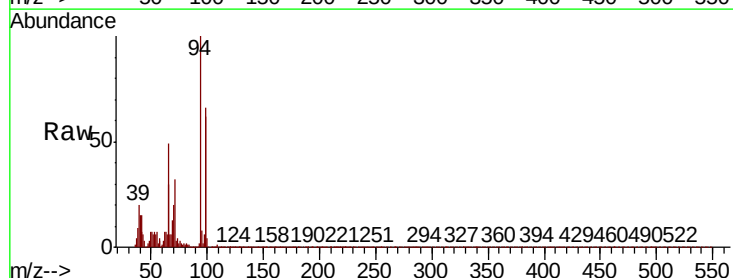
Tgt Ion: 94 Resp: 40633

Ion Ratio Lower Upper

94 100

65 29.5 6.7 46.7

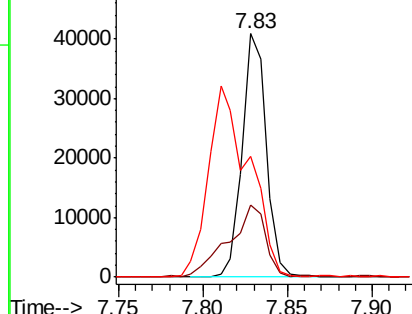
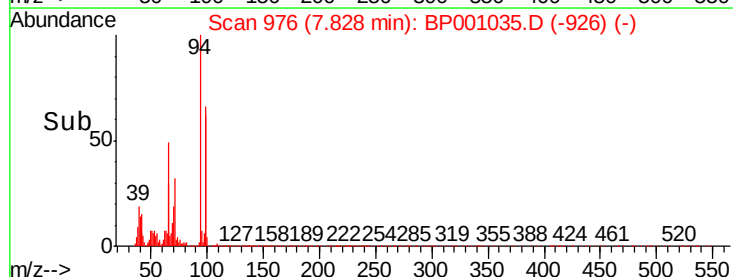
66 49.4 18.6 58.6

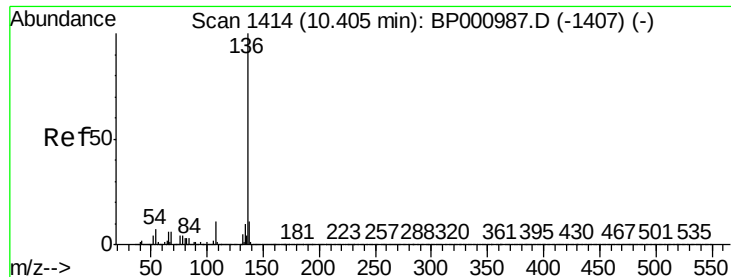


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

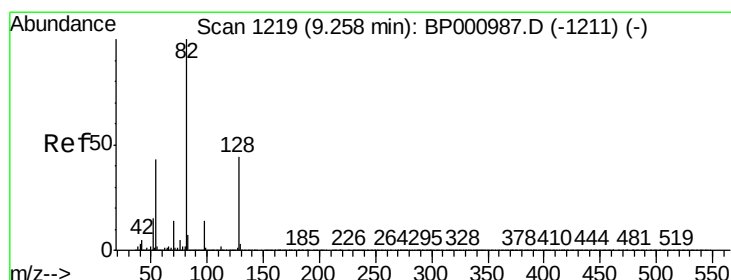
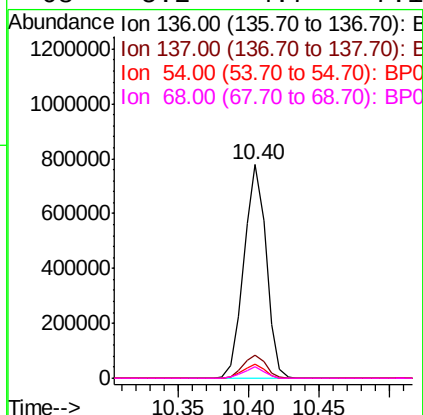
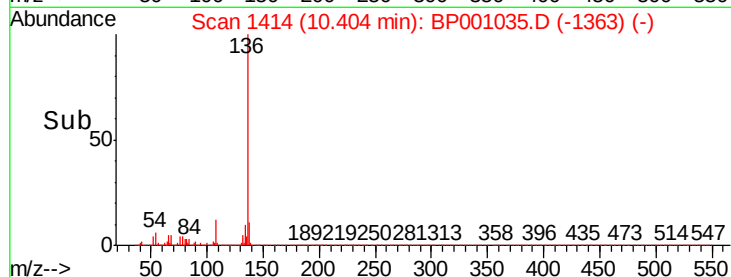
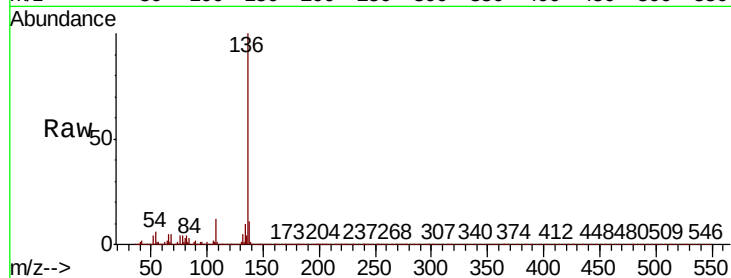




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

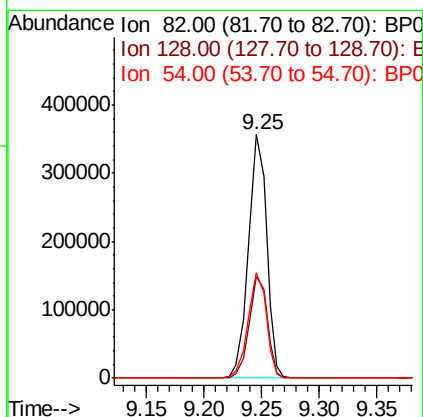
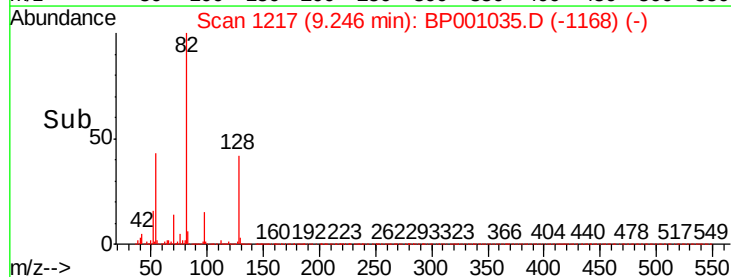
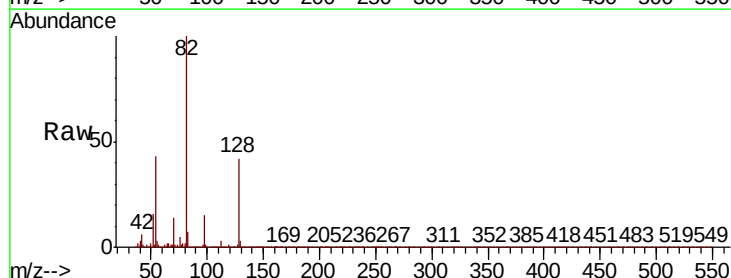
Instrument :
BNA_P
ClientSampled :

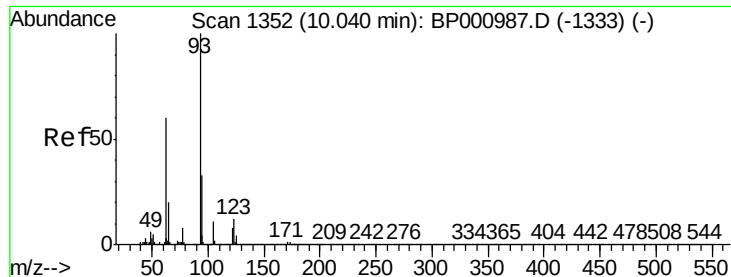
Tot Ion:136	Resp:	857873	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.0	13.6	
54 6.4	5.4	8.2	
68 5.2	4.7	7.1	



#23
Nitrobenzene-d5
Concen: 25.381 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion: 82	Resp: 393617
Ion Ratio	Lower Upper
82 100	
128 41.9	35.3 52.9
54 43.4	34.3 51.5





#32

Benzoic acid

Concen: 7.681 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BP001035.D

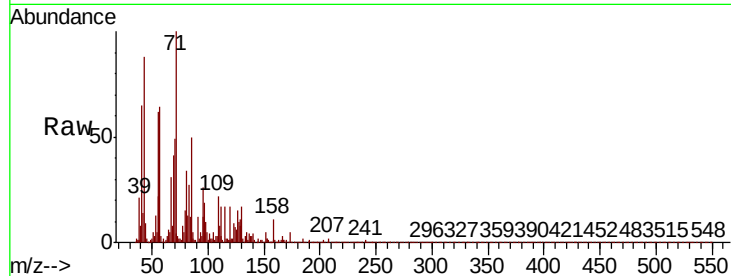
Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampleId :

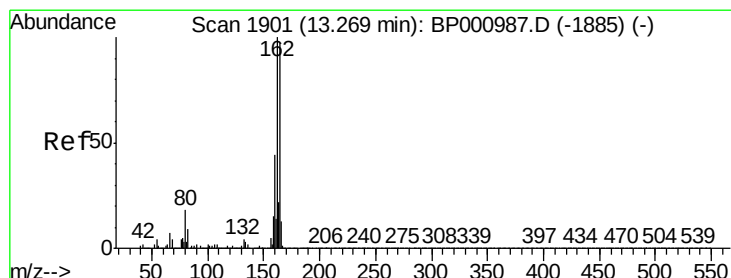
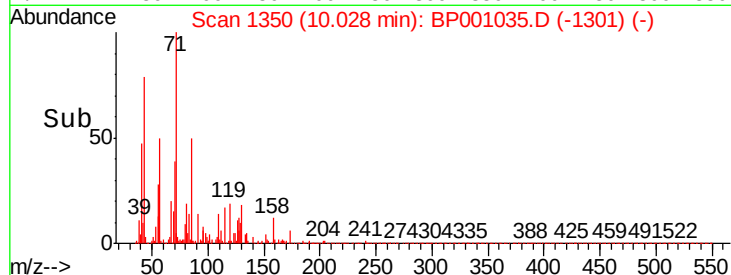
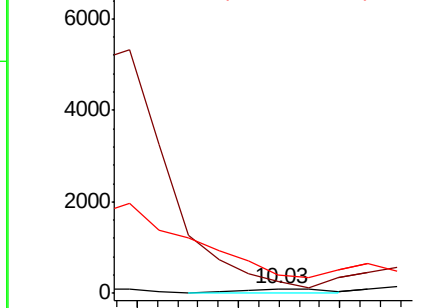
Tot Ion:	122	Resp:	104
Ion	Ratio	Lower	Upper
122	100		
105	261.8	110.5	150.5#
77	405.9	77.9	117.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#39

Acenaphthene-d10

Concen: 20.000 ng

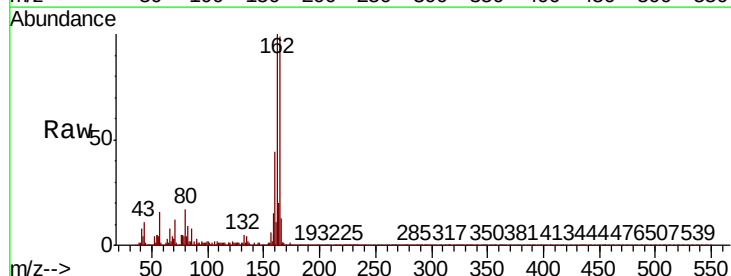
RT: 13.26 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

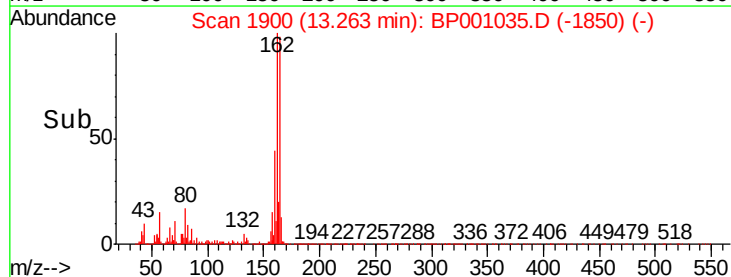
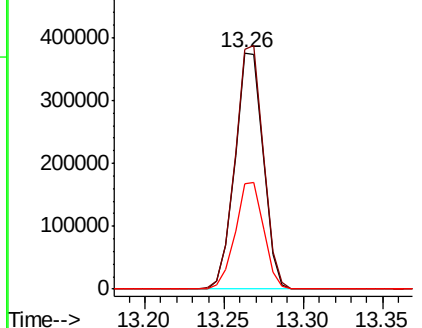
Tgt Ion:	164	Resp:	462688
Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.5	36.5	54.7

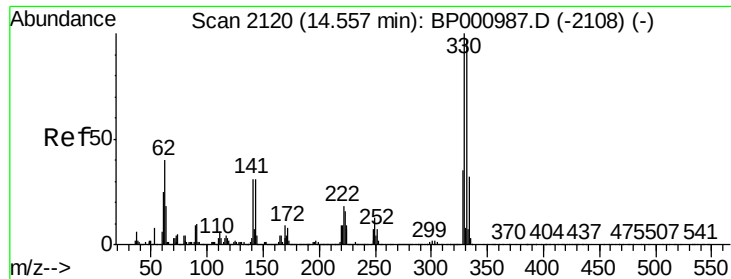


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

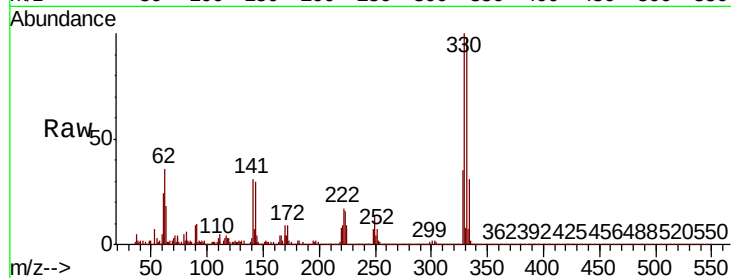




#42
 2,4,6-Tribromophenol
 Concen: 41.003 ng
 RT: 14.56 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: BP001035.D
 Acq: 12 Nov 2019 00:38

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.3	117.5
141	33.0	25.0	37.4

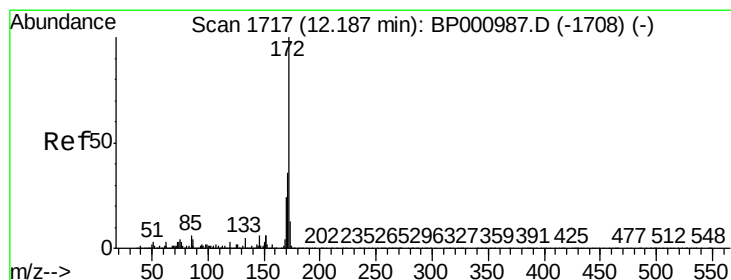
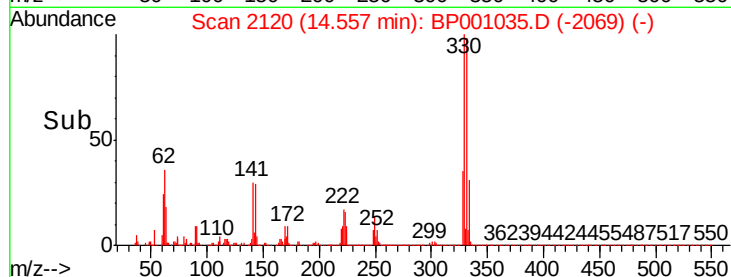
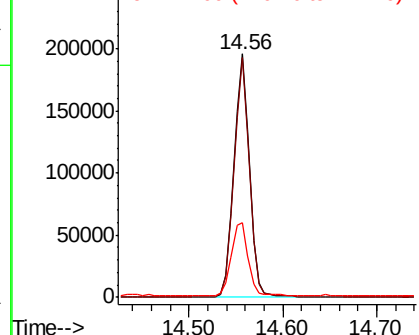


Abundance

Ion 329.80 (329.50 to 330.50): E

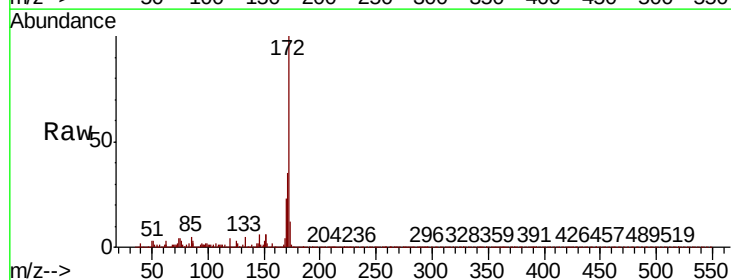
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.853 ng
 RT: 12.18 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BP001035.D
 Acq: 12 Nov 2019 00:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.4	18.9	28.3

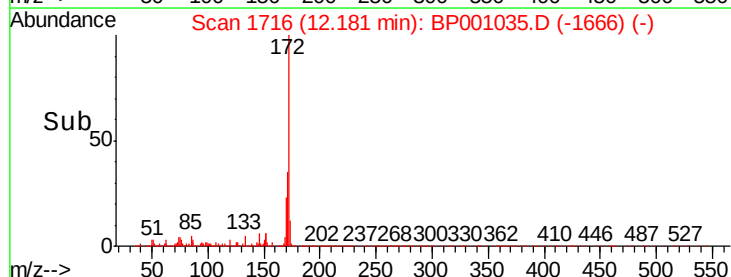
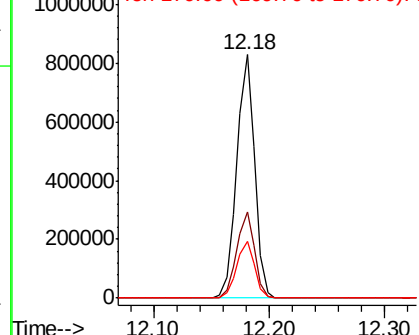


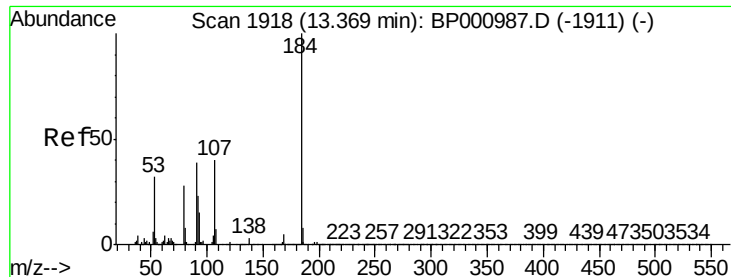
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

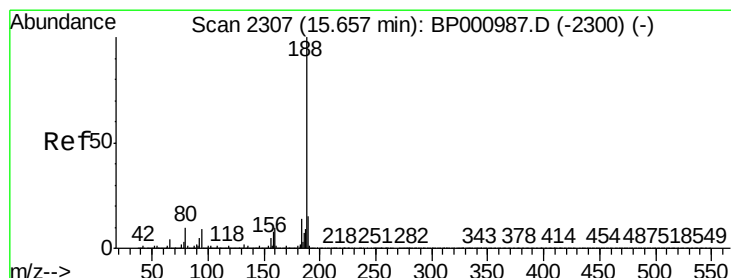
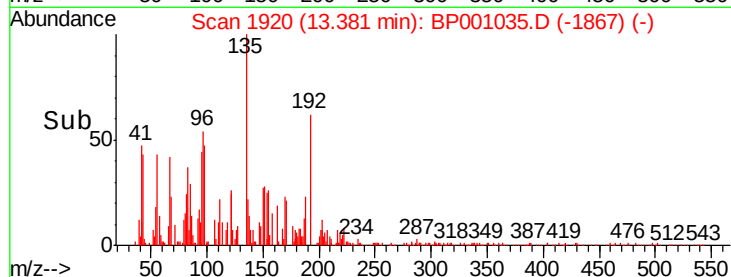
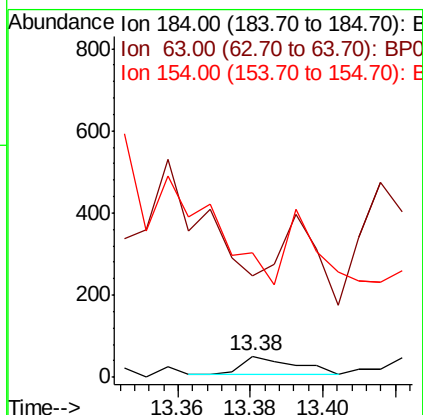
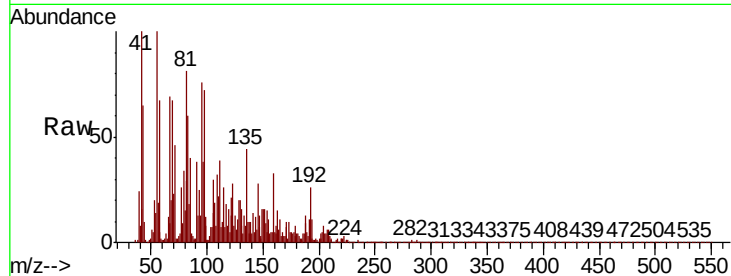




#54
2,4-Dinitrophenol
Concen: 8.327 ng
RT: 13.38 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

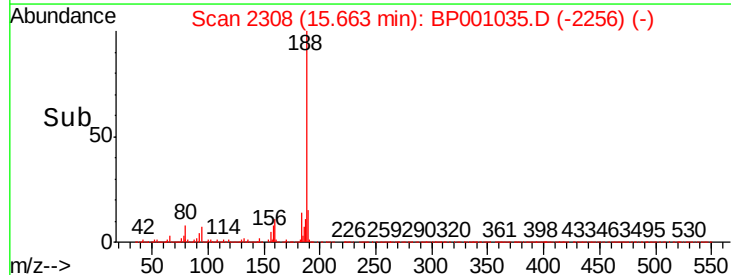
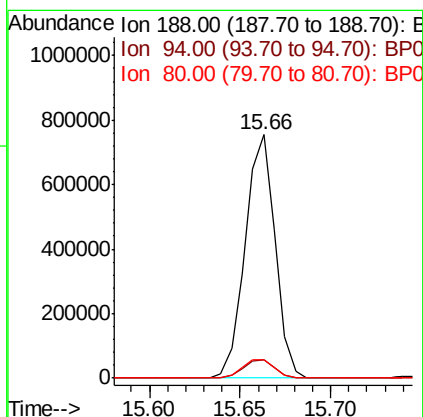
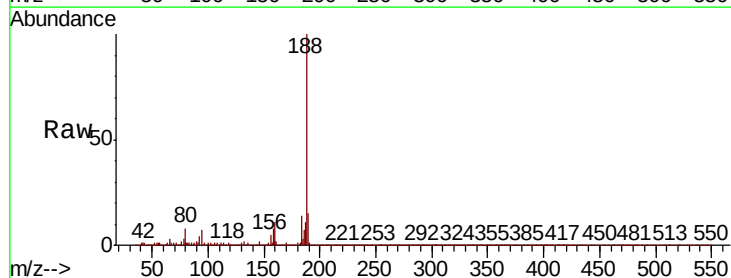
Instrument :
BNA_P
ClientSampleId :

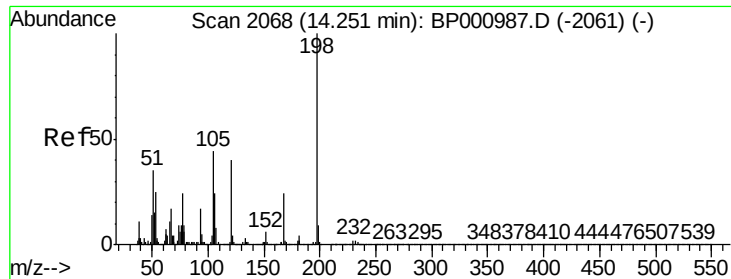
Tot Ion:184 Resp: 47
Ion Ratio Lower Upper
184 100
63 482.4 41.0 61.6#
154 596.1 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion:188 Resp: 864208
Ion Ratio Lower Upper
188 100
94 7.4 7.4 11.2#
80 7.7 7.9 11.9#

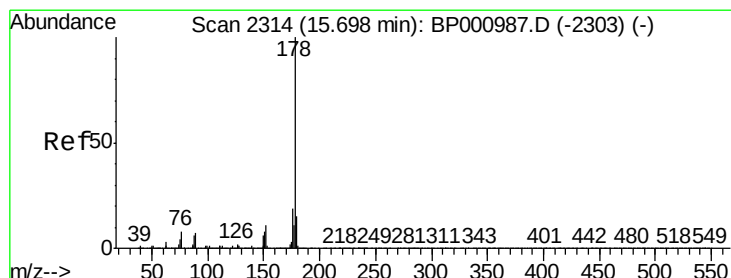
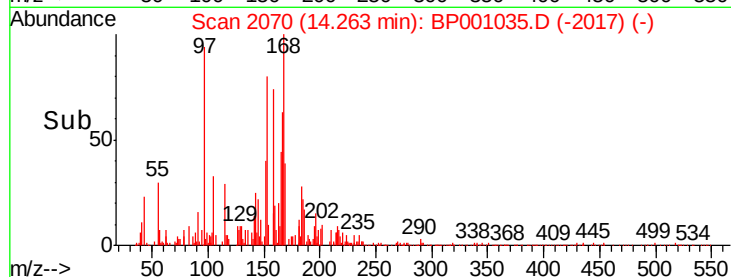
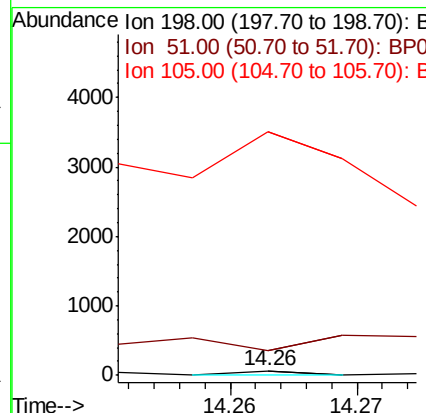
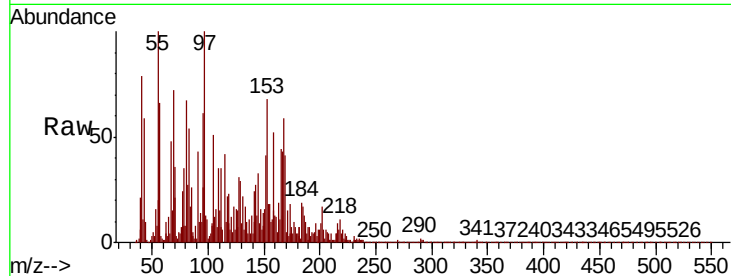




#65
4,6-Dinitro-2-methylphenol
Concen: 9.889 ng
RT: 14.26 min Scan# 2070
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

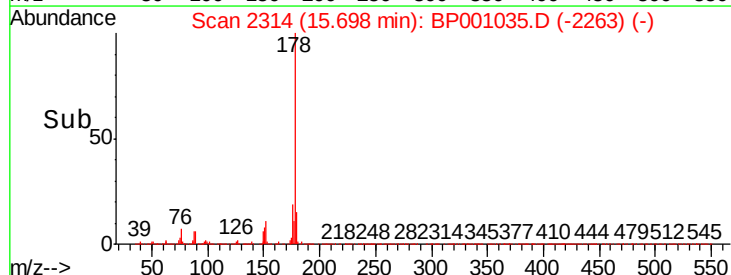
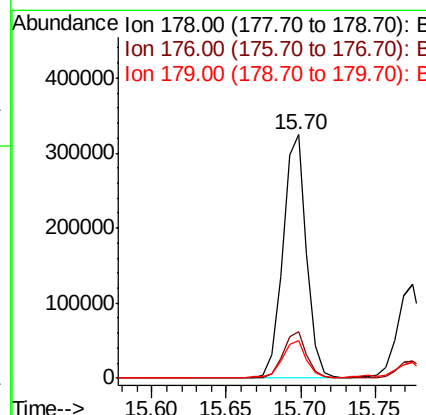
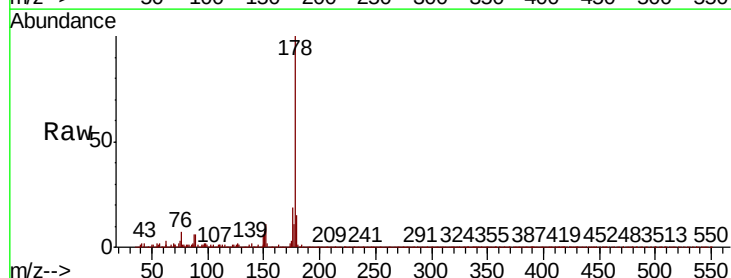
Instrument :
BNA_P
ClientSampleId :

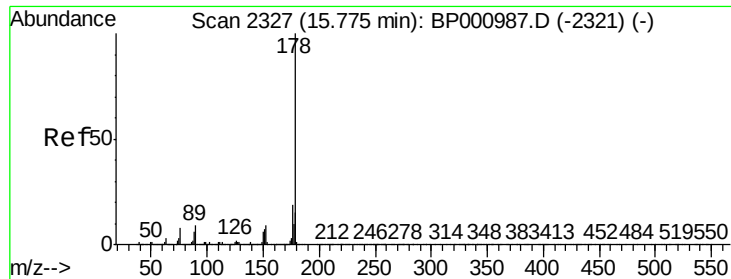
Tot Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 561.9 16.0 56.0#
105 5563.5 24.9 64.9#



#71
Phenanthrene
Concen: 8.074 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion:178 Resp: 357126
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.2 12.3 18.5





#72

Anthracene

Concen: 3.263 ng

RT: 15.77 min Scan# 2327

Delta R.T. -0.00 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampled :

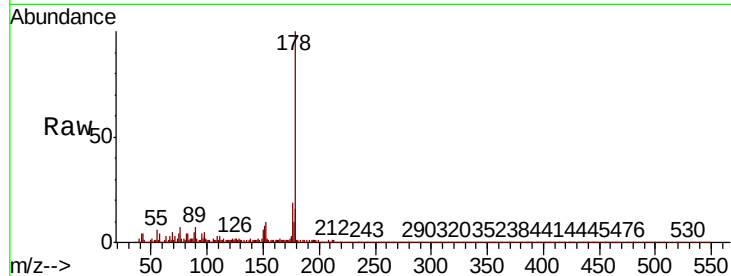
Tot Ion:178 Resp: 140807

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

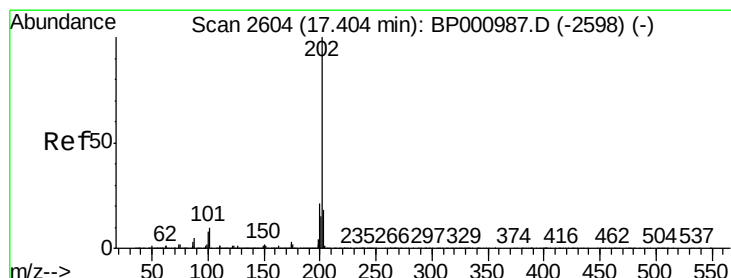
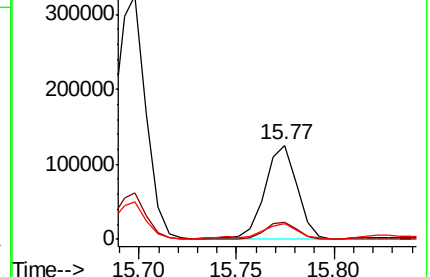
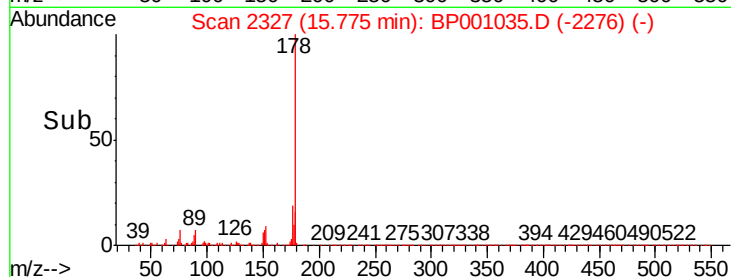
179 16.5 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 14.185 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.00 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

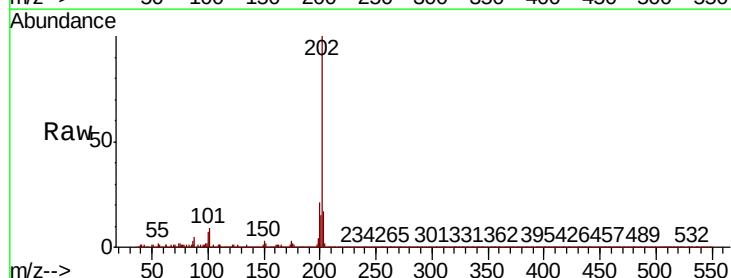
Tgt Ion:202 Resp: 709174

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.1

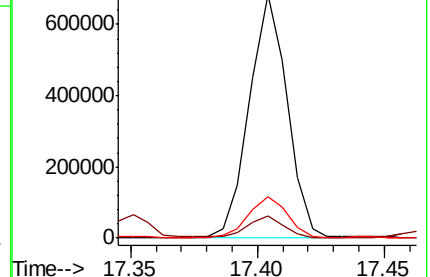
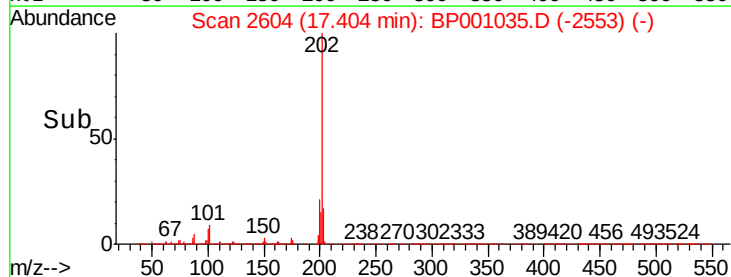
203 17.2 0.0 37.7

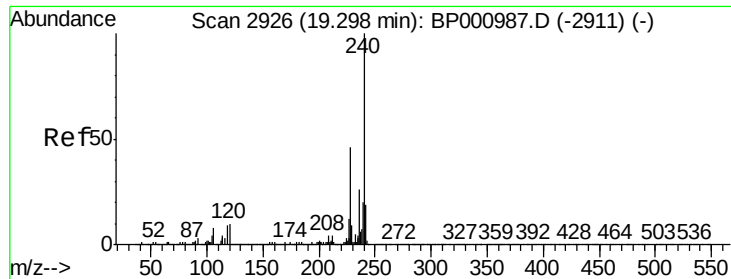


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

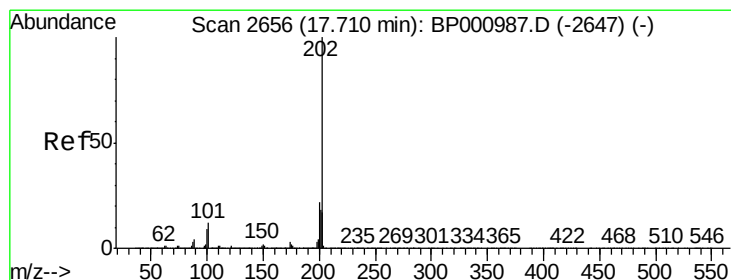
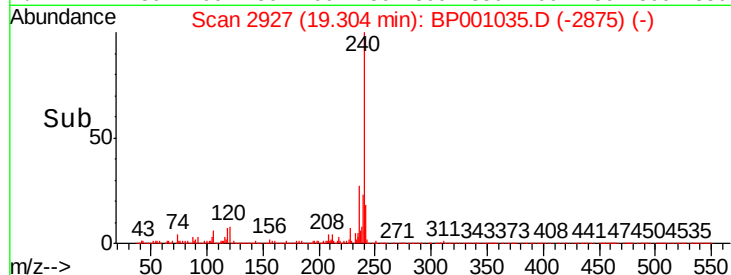
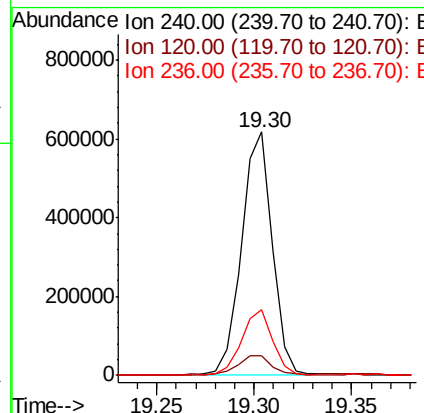
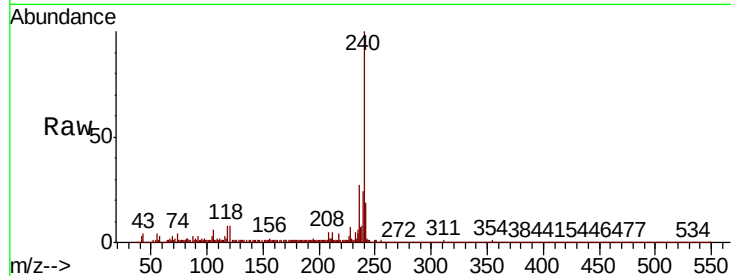




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.30 min Scan# 2927
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

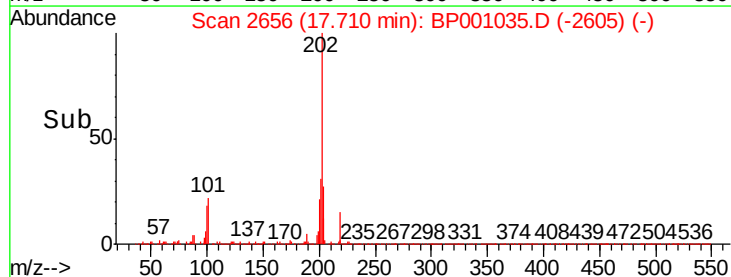
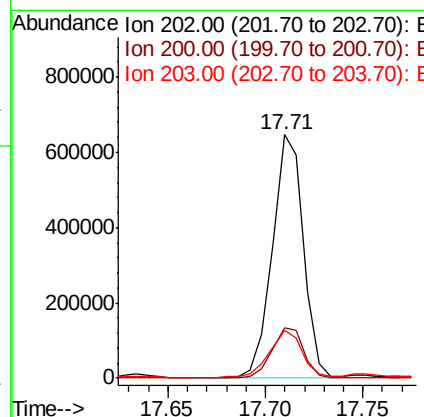
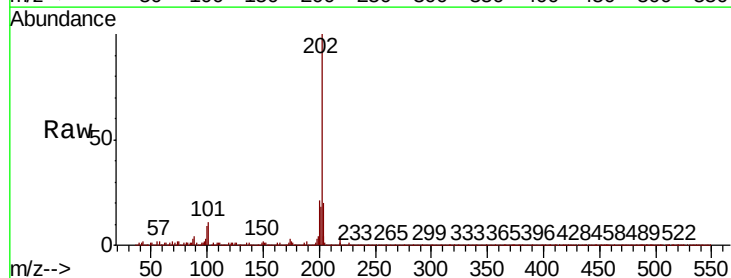
Instrument :
BNA_P
ClientSampleId :

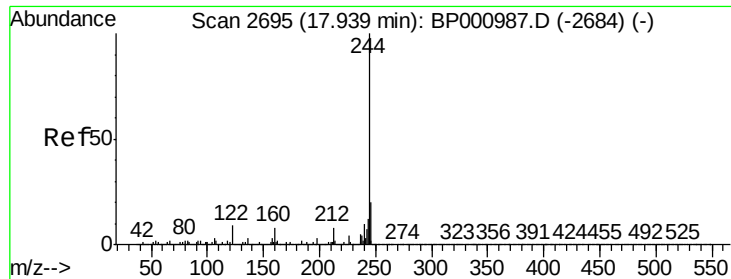
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	8.2	12.2
236	26.8	20.5	30.7



#78
Pyrene
Concen: 15.080 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.00 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	19.5	14.0	21.0

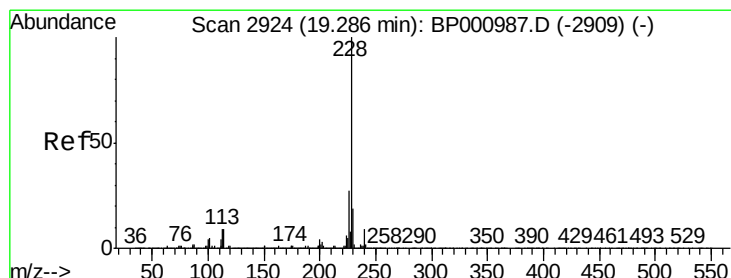
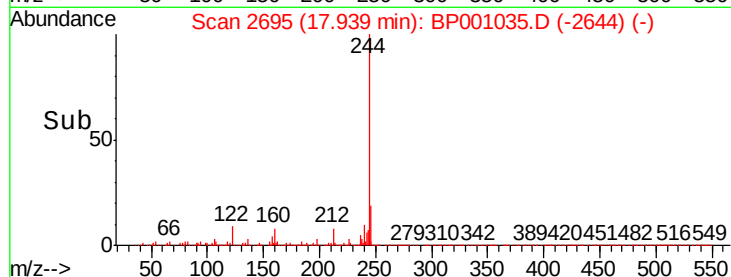
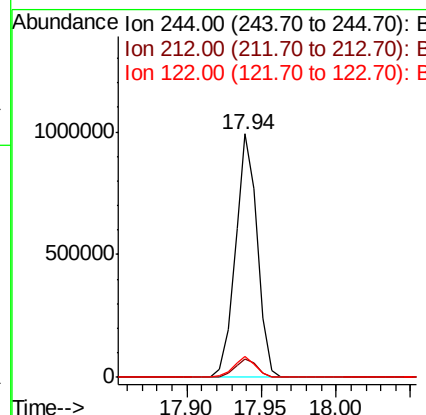
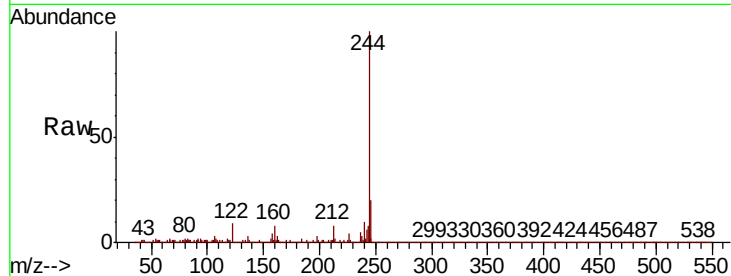




#79
 Terphenyl-d14
 Concen: 30.382 ng
 RT: 17.94 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: BP001035.D
 Acq: 12 Nov 2019 00:38

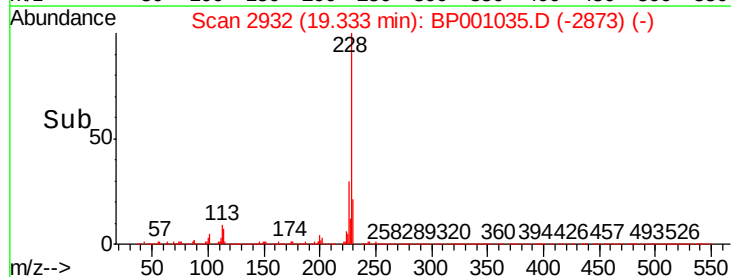
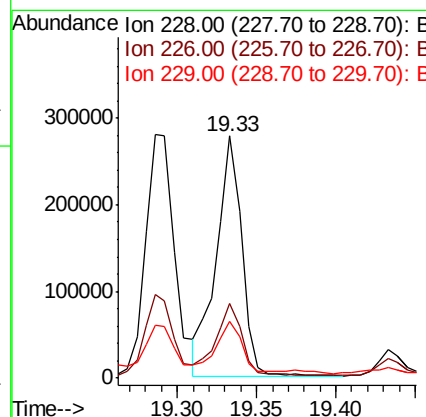
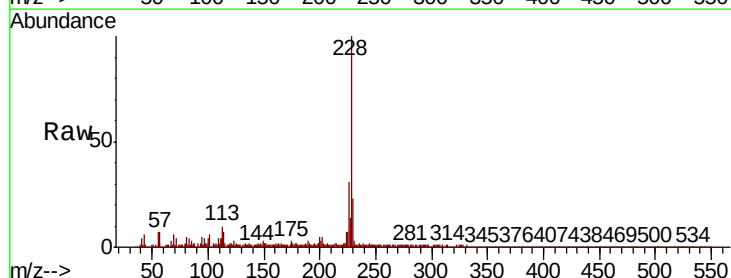
Instrument :
 BNA_P
 ClientSampleId :

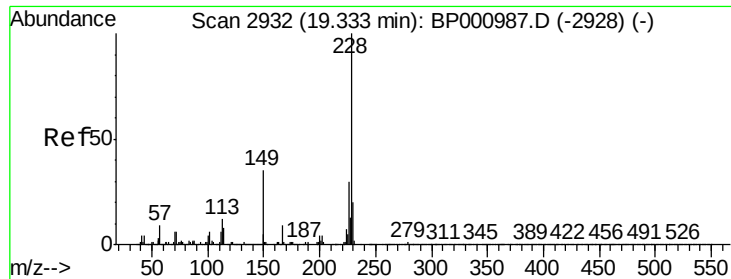
Tot Ion:244 Resp: 1014603
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 8.6 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 6.932 ng
 RT: 19.33 min Scan# 2932
 Delta R.T. 0.05 min
 Lab File: BP001035.D
 Acq: 12 Nov 2019 00:38

Tgt Ion:228 Resp: 310122
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 23.3 15.6 23.4





#83

Chrysene

Concen: 7.896 ng

RT: 19.33 min Scan# 2932

Delta R.T. -0.00 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampleId :

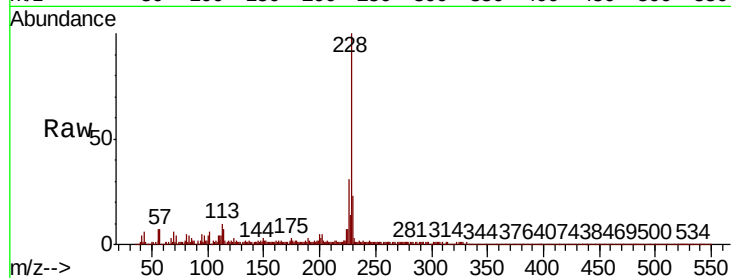
Tot Ion:228 Resp: 310122

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

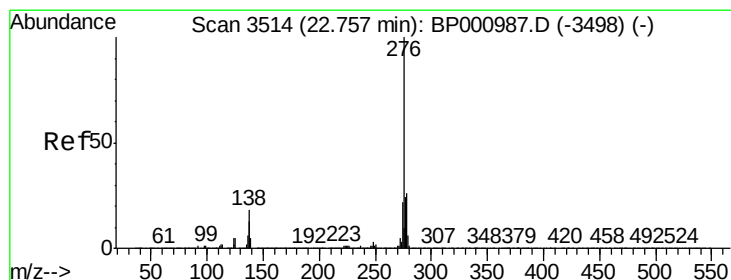
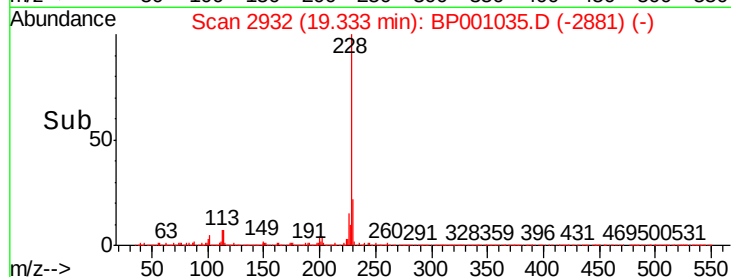
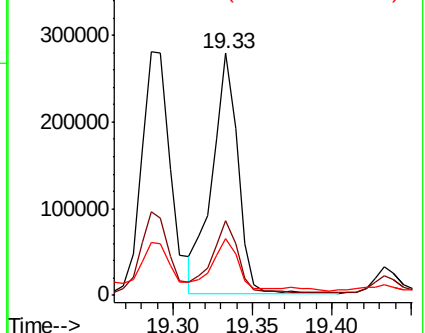
229 23.3 15.8 23.6



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: 2.314 ng

RT: 22.76 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

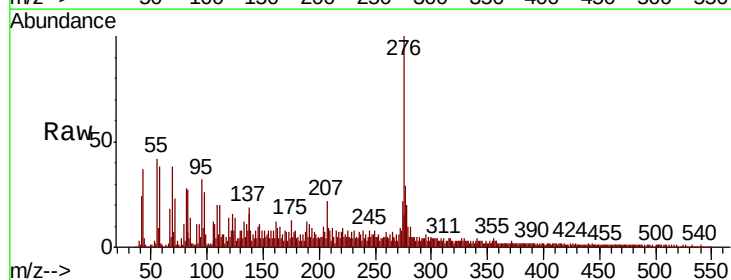
Tgt Ion:276 Resp: 124375

Ion Ratio Lower Upper

276 100

138 17.2 17.6 26.4#

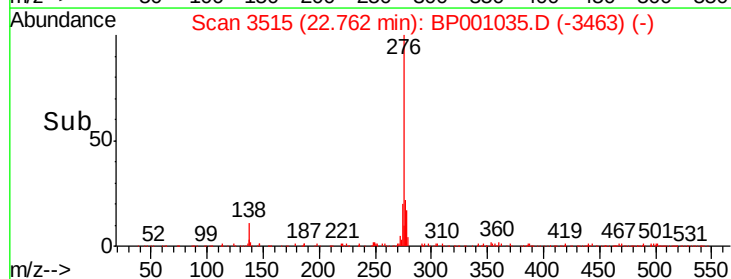
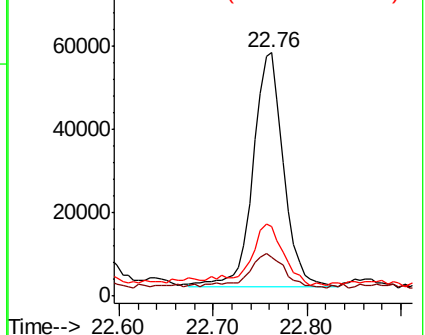
277 26.3 20.2 30.4

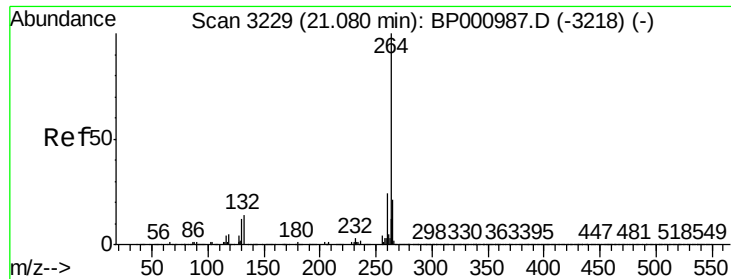


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



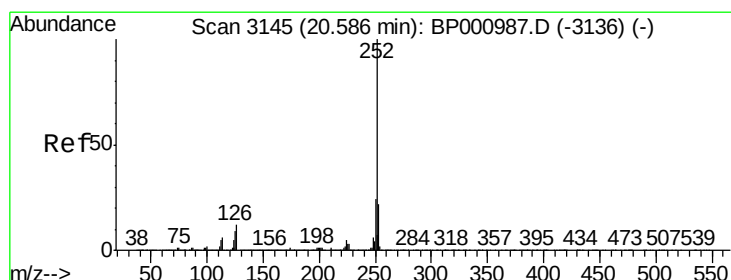
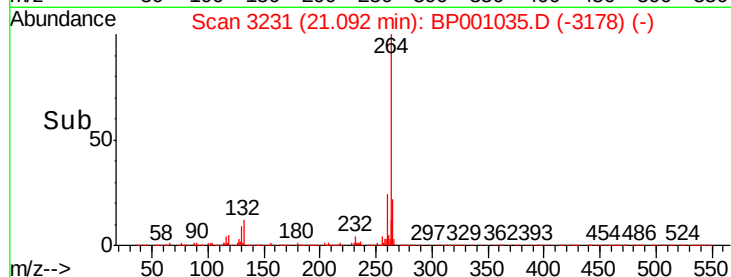
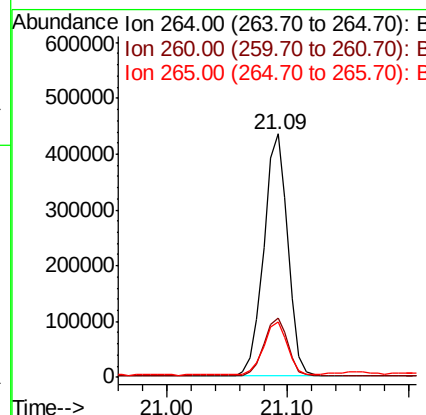
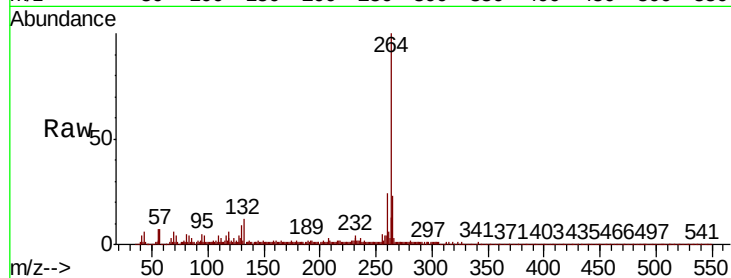


#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3231
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 603007

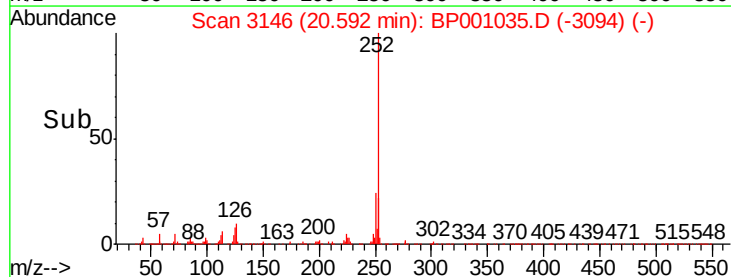
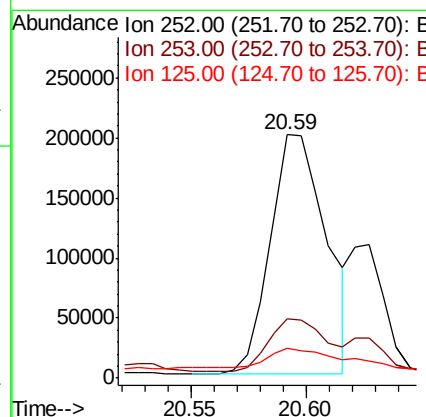
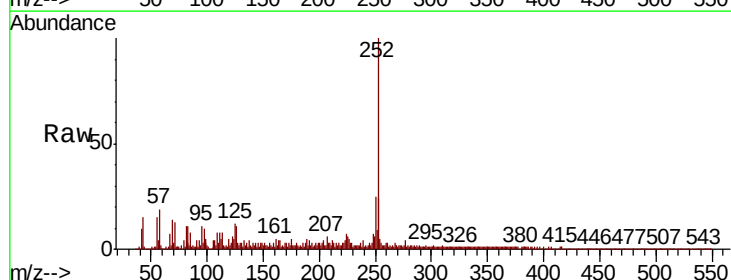
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	22.9	17.1	25.7

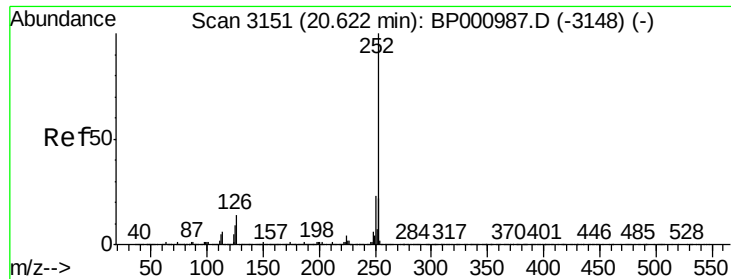


#88
Benzo(b)fluoranthene
Concen: 9.391 ng
RT: 20.59 min Scan# 3146
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion:252 Resp: 337567

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	12.3	7.3	10.9

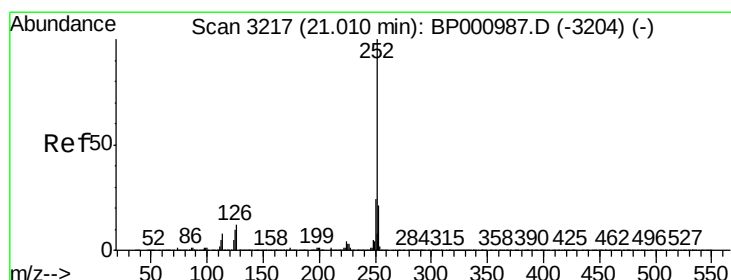
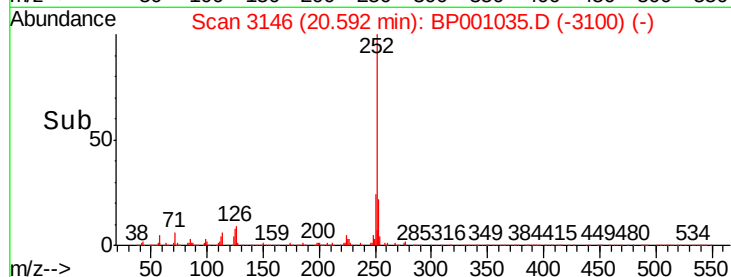
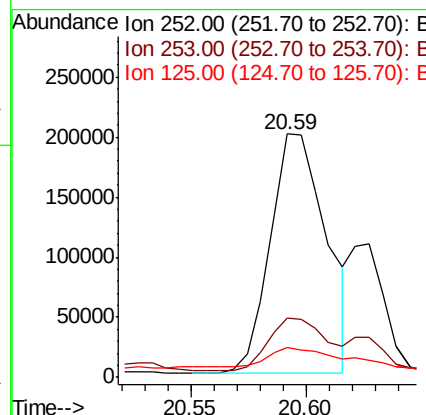
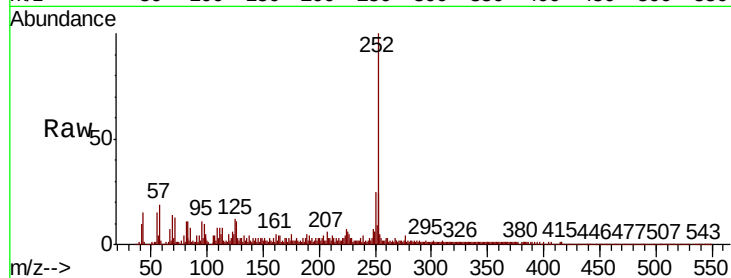




#89
Benzo(k)fluoranthene
Concen: 9.977 ng
RT: 20.59 min Scan# 3146
Delta R.T. -0.03 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

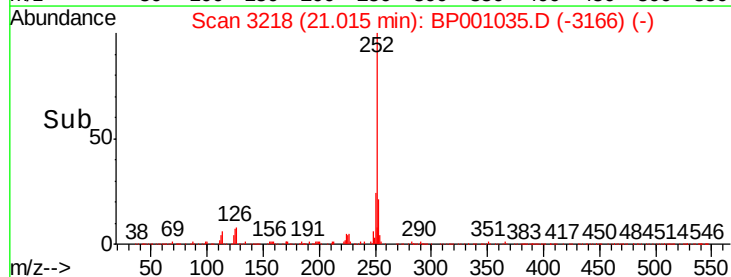
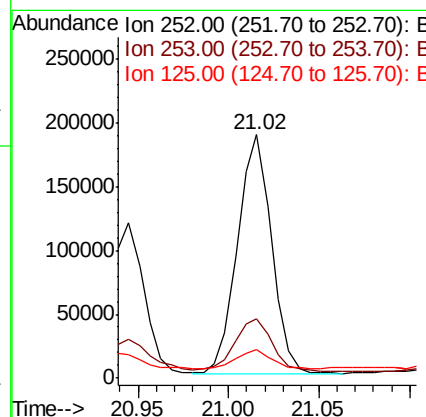
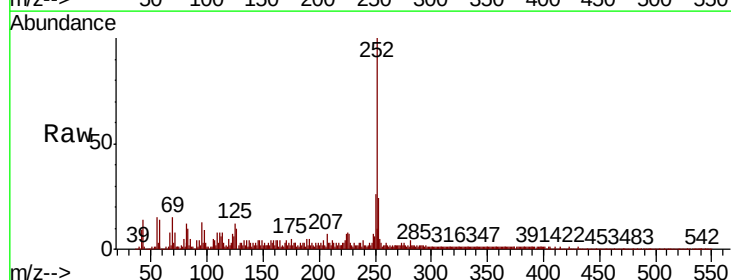
Instrument :
BNA_P
ClientSampleId :

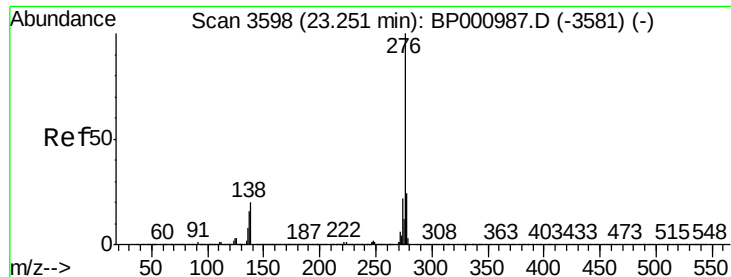
Tot Ion:252 Resp: 337567
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 12.3 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 7.386 ng
RT: 21.02 min Scan# 3218
Delta R.T. 0.01 min
Lab File: BP001035.D
Acq: 12 Nov 2019 00:38

Tgt Ion:252 Resp: 244128
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 11.6 7.6 11.4#





#92

Benzo(a,h,i)perylene

Concen: 3.169 ng

RT: 23.26 min Scan# 3599

Delta R.T. 0.01 min

Lab File: BP001035.D

Acq: 12 Nov 2019 00:38

Instrument :

BNA_P

ClientSampleId :

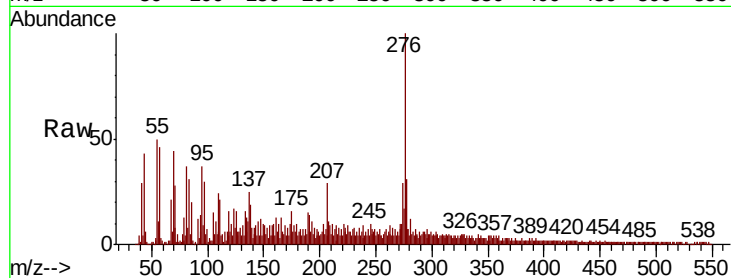
Tot Ion: 276 Resp: 107650

Ion Ratio Lower Upper

276 100

277 30.5 19.0 28.4#

138 18.9 15.7 23.5



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

