

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP112719\
 Data File : BP001101.D
 Acq On : 28 Nov 2019 01:36
 Operator : JU
 Sample : K5977-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 28 03:02:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	160042	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	626153	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	343779	20.00	ng	0.00
64) Phenanthrene-d10	15.62	188	639121	20.00	ng	0.00
76) Chrysene-d12	19.27	240	506408	20.00	ng	0.00
87) Perylene-d12	21.04	264	544790	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.23	112	395657	41.02	ng	0.00
7) Phenol-d6	7.77	99	1142656	88.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	796011	55.16	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	2891	0.88	ng	0.00
45) 2-Fluorobiphenyl	12.15	172	1360957	57.94	ng	0.00
79) Terphenyl-d14	17.91	244	1514598	55.33	ng	0.00

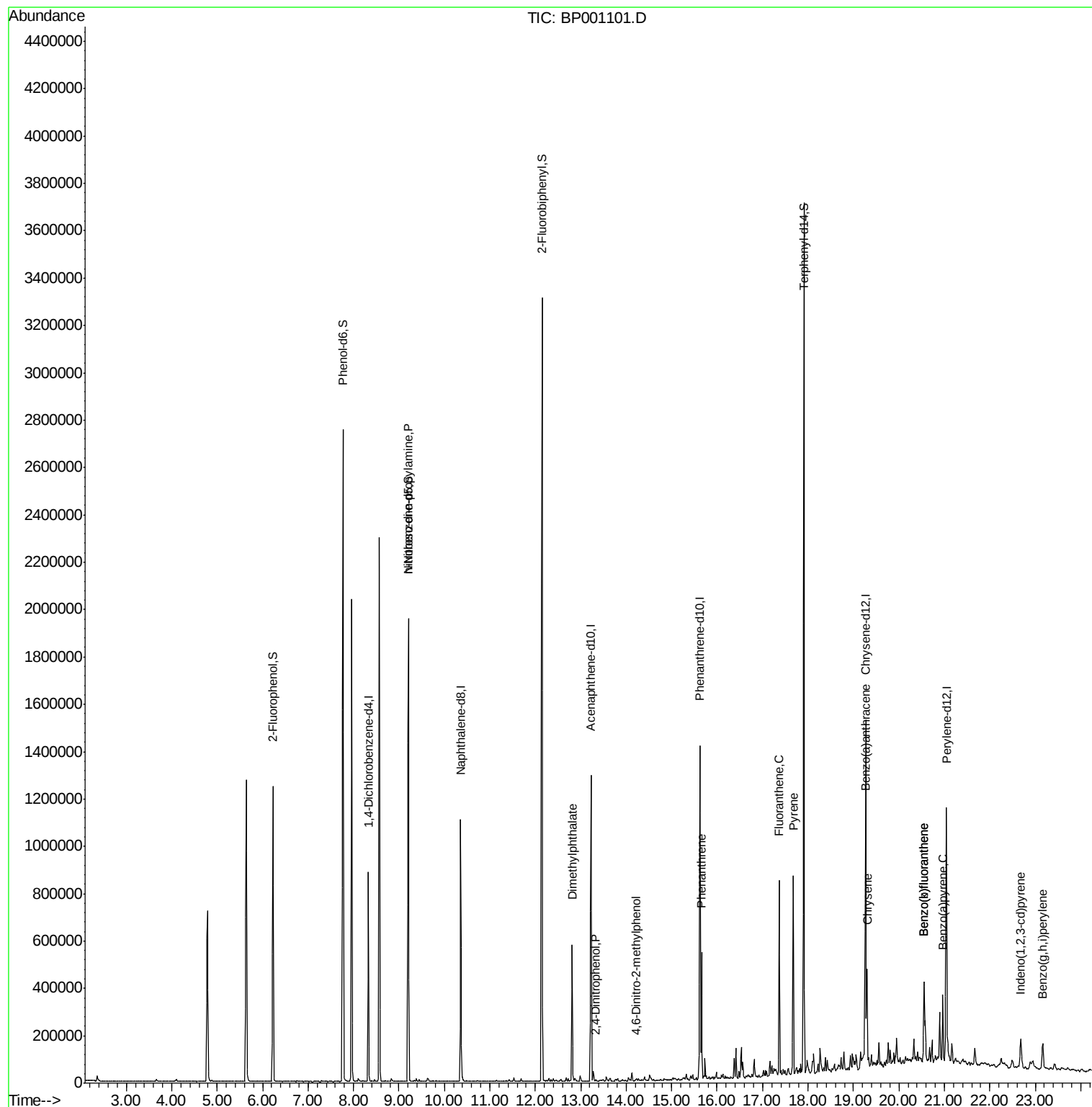
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.62	77	796	Below Cal		95
19) n-Nitroso-di-n-propylamine	9.20	70	109727	11.832	ng	# 80
50) Dimethylphthalate	12.81	163	263408	10.245	ng	100
54) 2,4-Dinitrophenol	13.32	184	18	7.116	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.20	198	12	6.280	ng	# 1
71) Phenanthrene	15.66	178	225784	6.720	ng	99
75) Fluoranthene	17.37	202	380203	10.688	ng	99
78) Pyrene	17.67	202	375862	9.423	ng	99
81) Benzo(a)anthracene	19.25	228	186917	5.324	ng	96
83) Chrysene	19.30	228	173956	5.533	ng	98
86) Indeno(1,2,3-cd)pyrene	22.68	276	94287	2.545	ng	96
88) Benzo(b)fluoranthene	20.55	252	274348	8.245	ng	99
89) Benzo(k)fluoranthene	20.55	252	274348	8.560	ng	100
90) Benzo(a)pyrene	20.97	252	150877	4.923	ng	97
92) Benzo(a,h,i)perylene	23.17	276	94698	3.197	ng	95

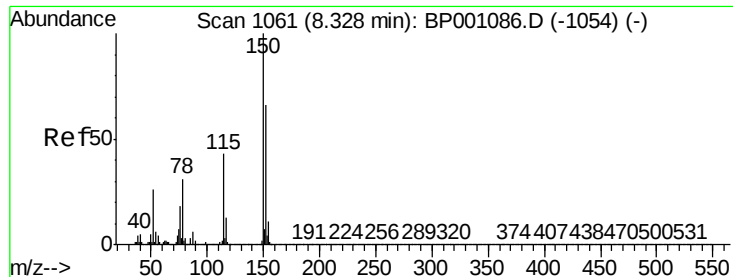
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampled :

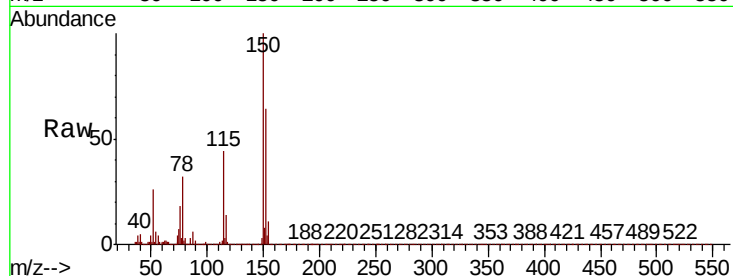
Tot Ion:152 Resp: 160042

Ion Ratio Lower Upper

152 100

150 155.6 120.6 181.0

115 68.2 51.6 77.4

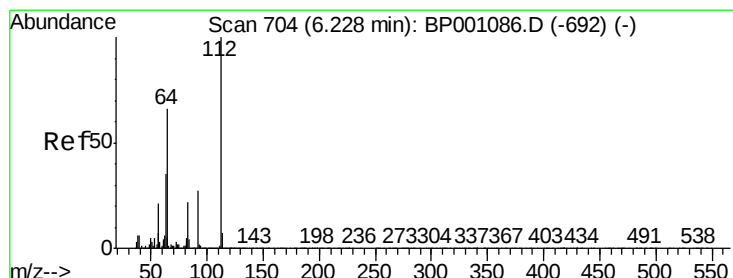
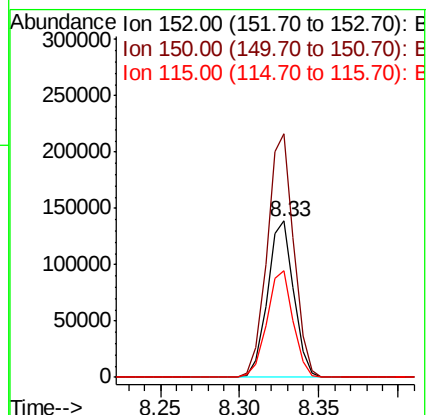
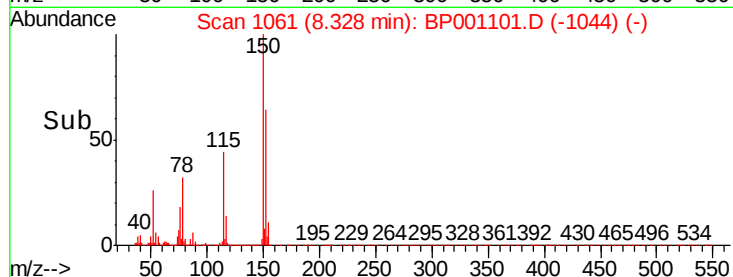


Abundance

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: 41.016 ng

RT: 6.23 min Scan# 704

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

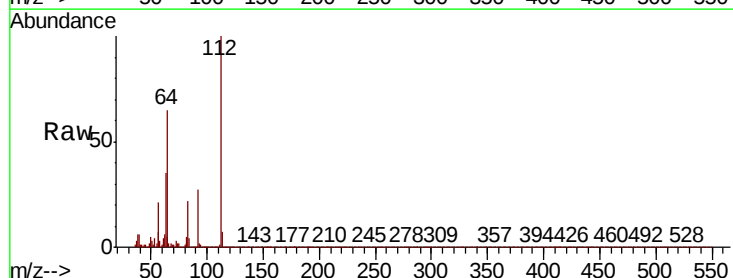
Tgt Ion:112 Resp: 395657

Ion Ratio Lower Upper

112 100

64 65.3 52.8 79.2

63 35.2 28.2 42.2

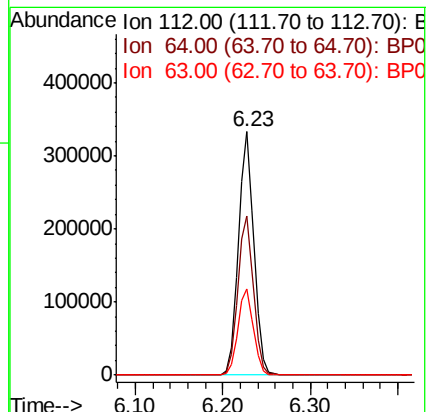
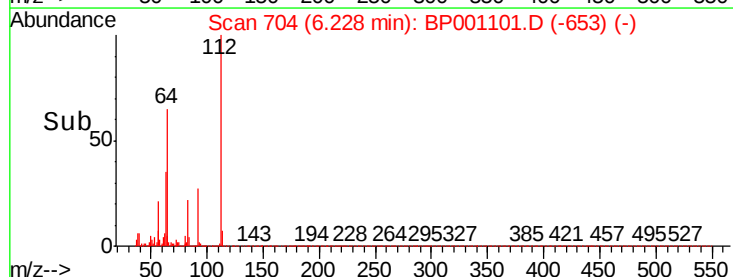


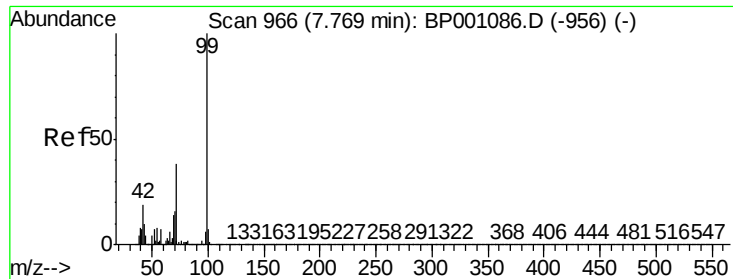
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 88.913 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampleId :

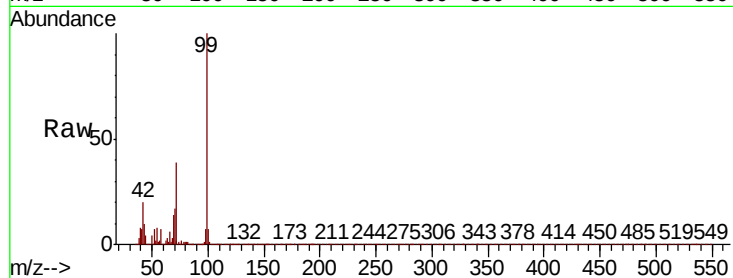
Tot Ion: 99 Resp: 1142656

Ion Ratio Lower Upper

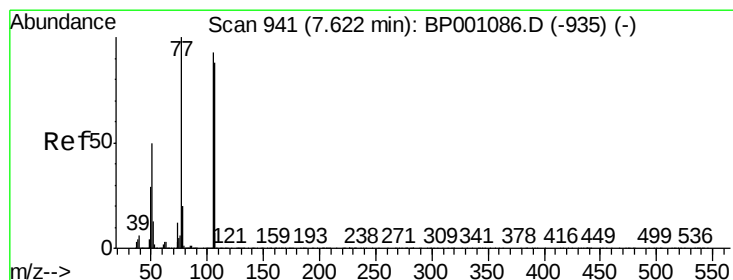
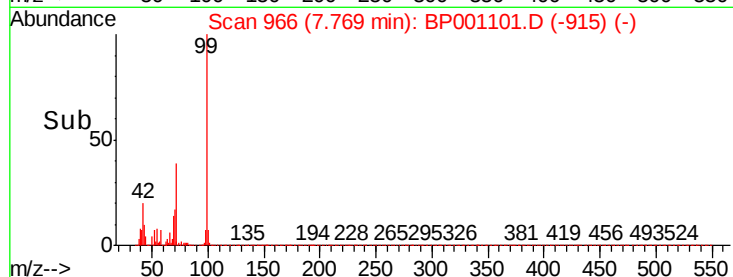
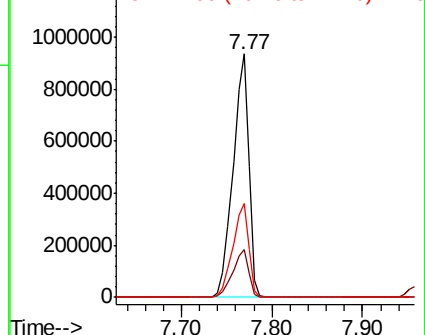
99 100

42 19.5 15.4 23.0

71 38.6 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 7.62 min Scan# 941

Delta R.T. 0.00 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

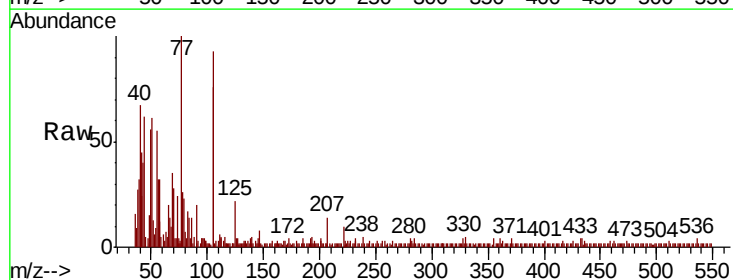
Tgt Ion: 77 Resp: 796

Ion Ratio Lower Upper

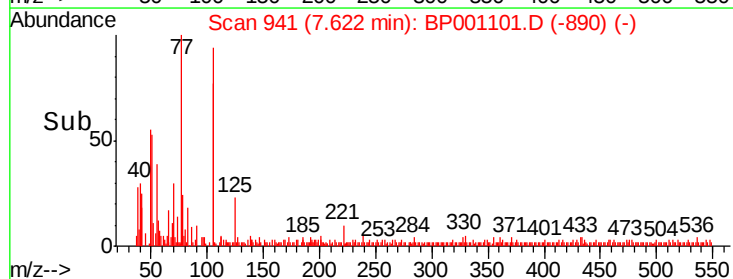
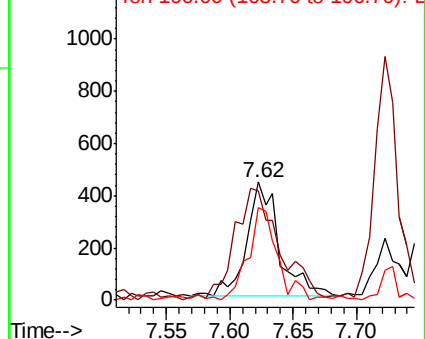
77 100

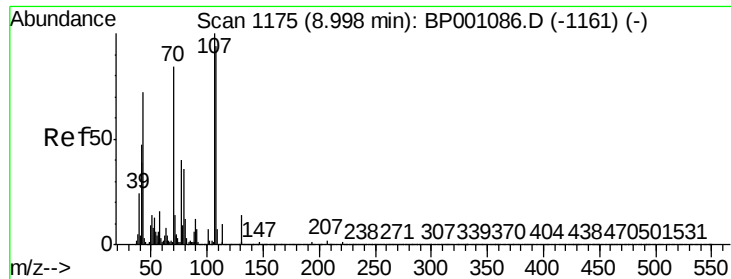
105 93.1 72.5 112.5

106 78.3 67.6 107.6



Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

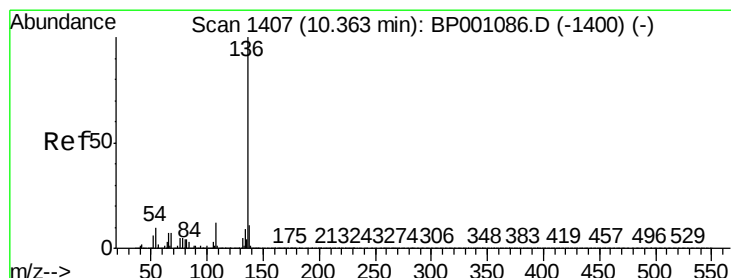
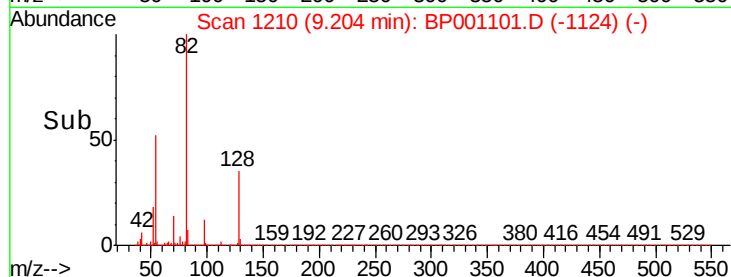
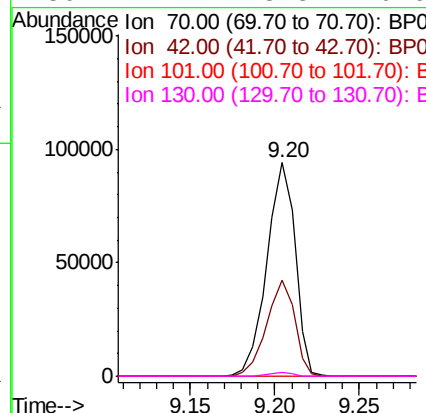
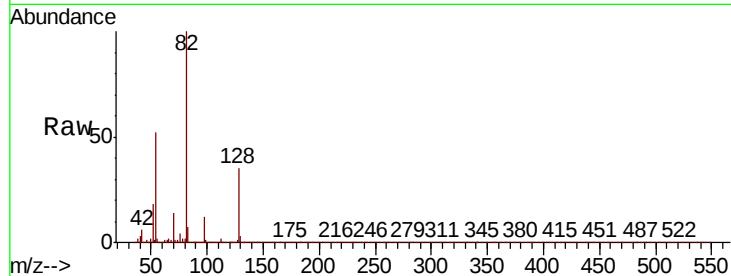




#19
n-Nitroso-di-n-propylamine
Concen: 11.832 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.21 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

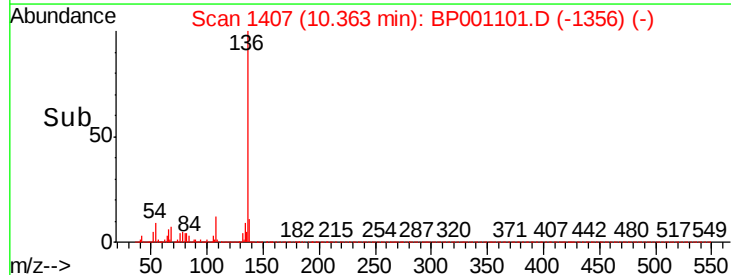
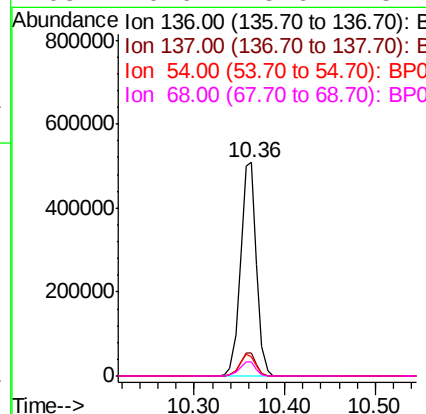
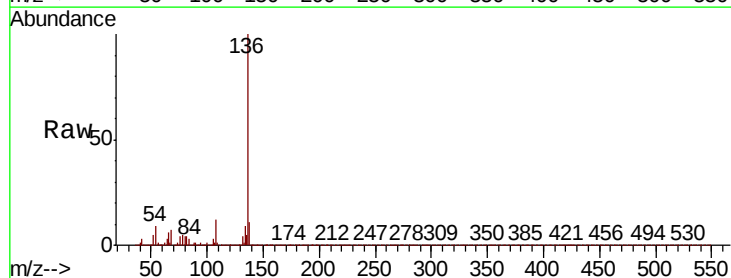
Instrument :
BNA_P
ClientSampled :

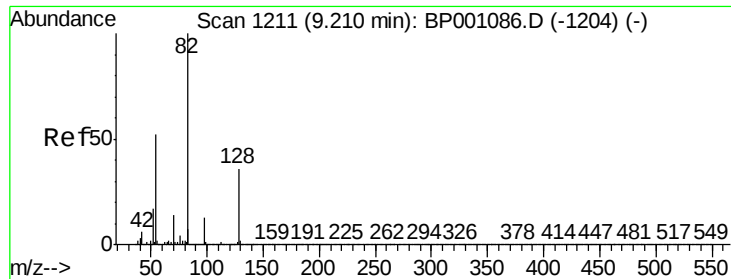
Tot Ion: 70 Resp: 109727
Ion Ratio Lower Upper
70 100
42 45.2 44.6 66.8
101 0.0 7.1 10.7#
130 1.7 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion: 136 Resp: 626153
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.2 7.9 11.9
68 6.6 5.6 8.4

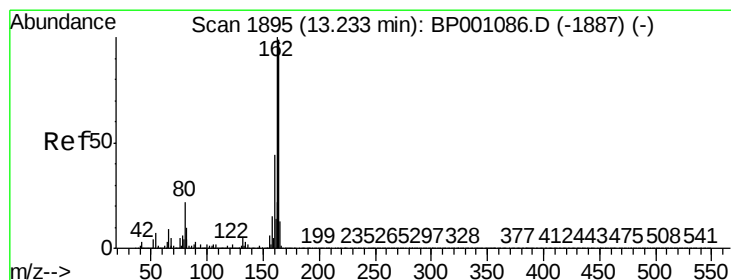
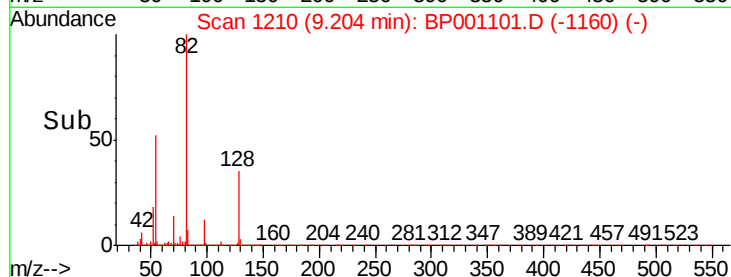
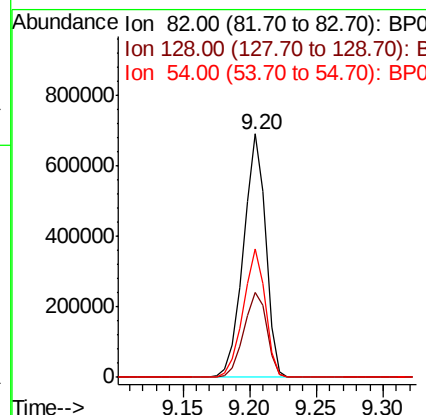
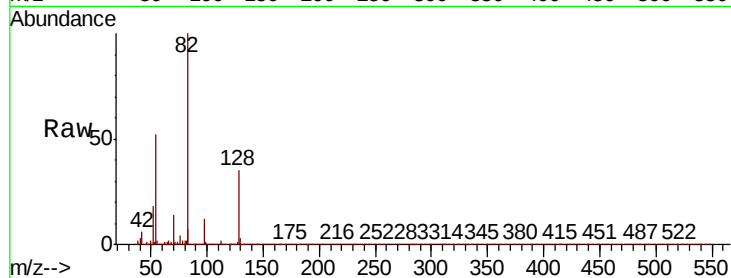




#23
Nitrobenzene-d5
Concen: 55.155 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

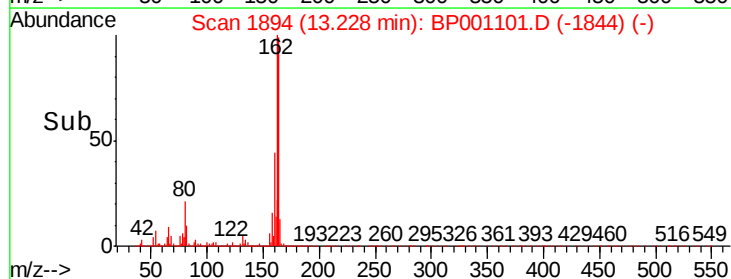
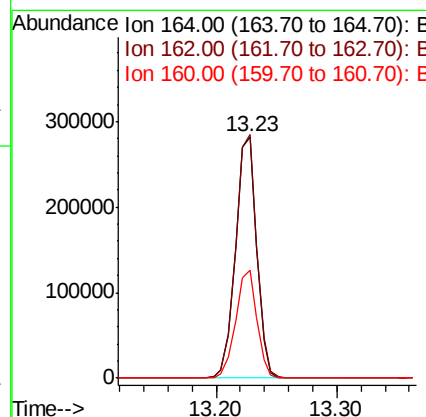
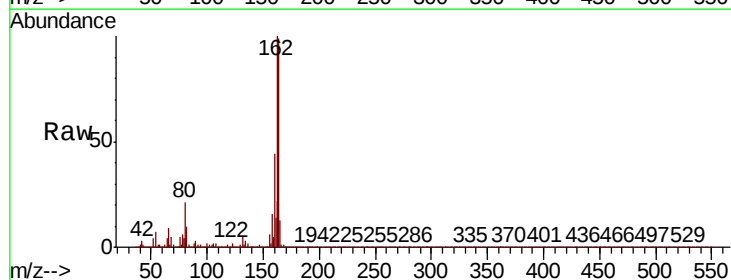
Instrument :
BNA_P
ClientSampleId :

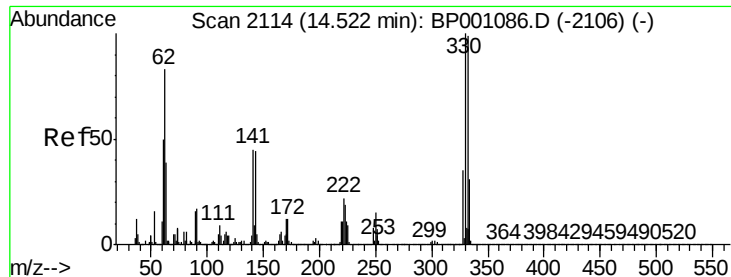
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.1	28.9	43.3
54	52.5	41.9	62.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.7	35.4	53.2

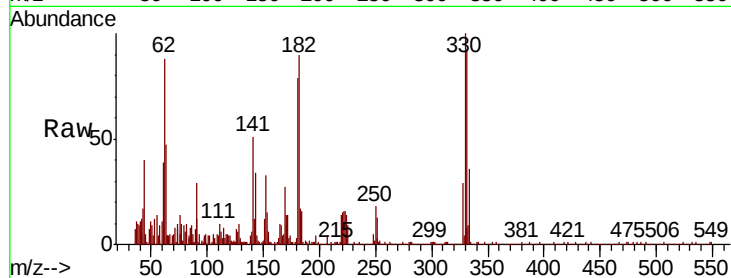




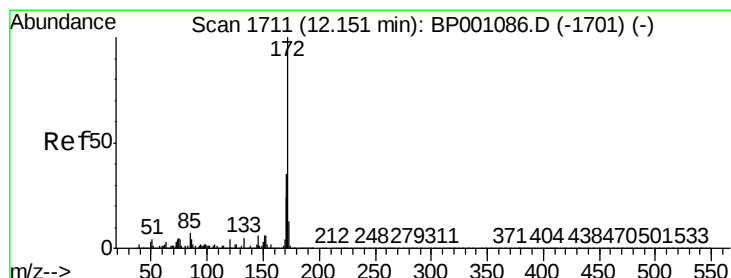
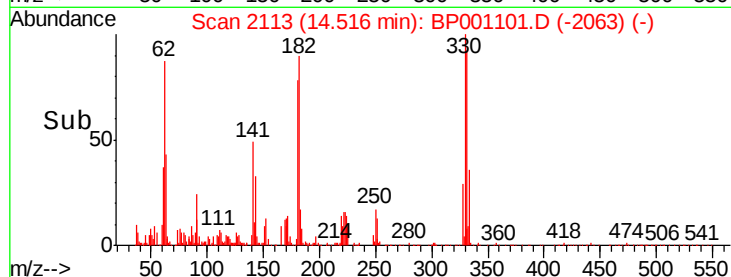
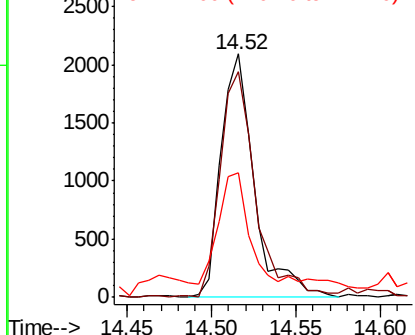
#42
2,4,6-Tribromophenol
Concen: 0.877 ng
RT: 14.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 2891
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 58.7 34.2 51.2#

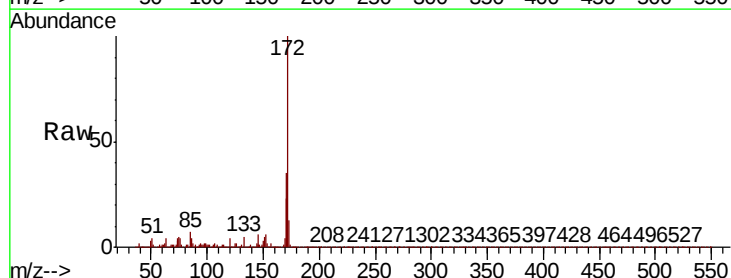


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

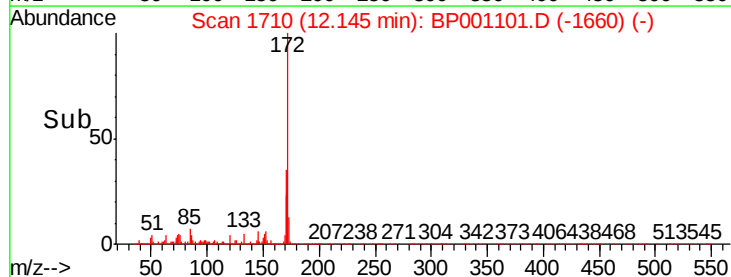
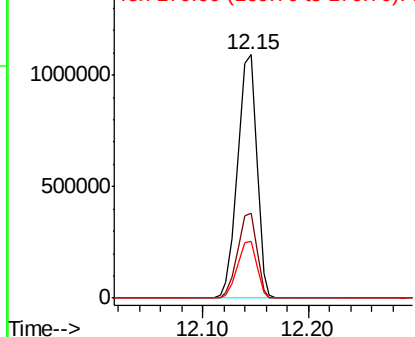


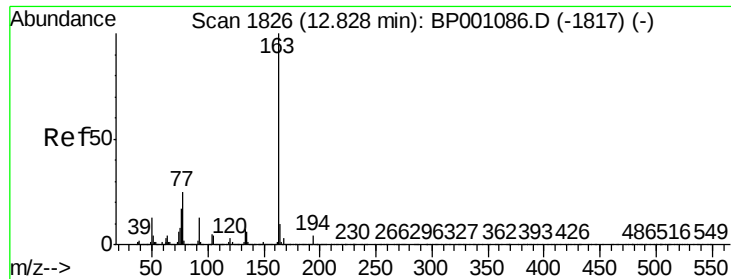
#45
2-Fluorobiphenyl
Concen: 57.940 ng
RT: 12.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion:172 Resp: 1360957
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.4 19.0 28.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

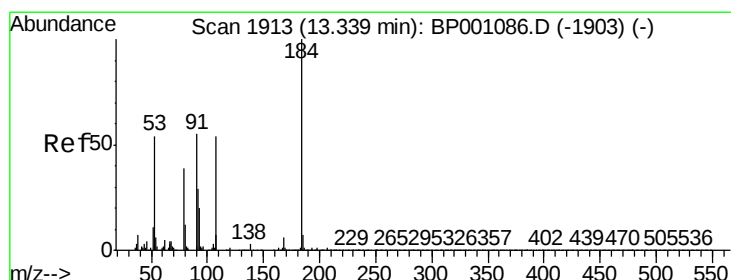
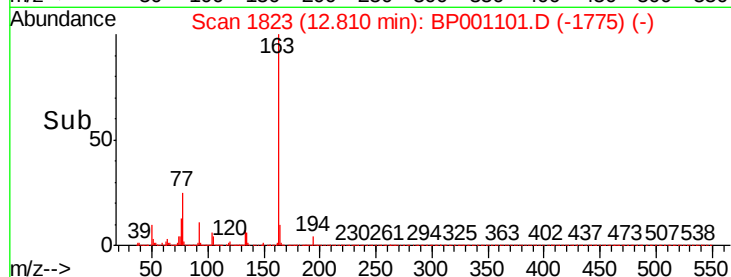
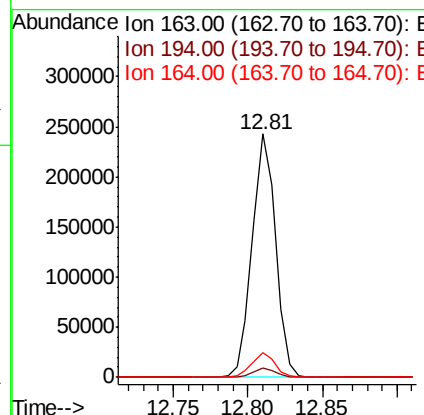
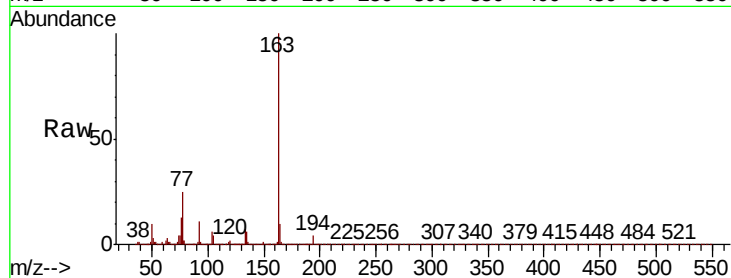




#50
Dimethylphthalate
Concen: 10.245 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

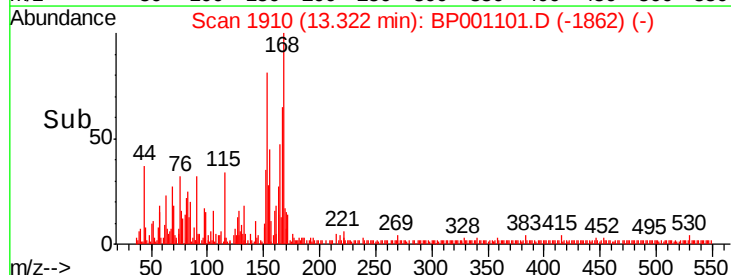
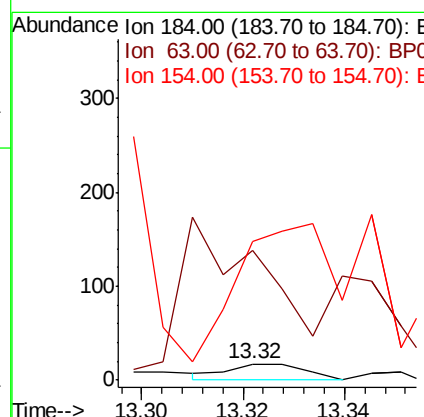
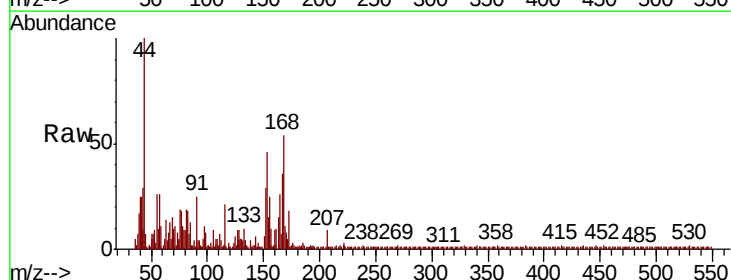
Instrument :
BNA_P
ClientSampleId :

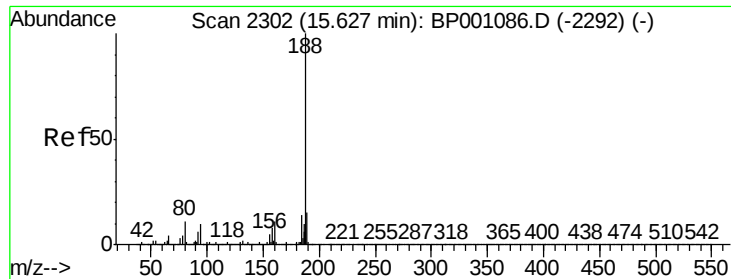
Tot Ion:163 Resp: 263408
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.1 12.1



#54
2,4-Dinitrophenol
Concen: 7.116 ng
RT: 13.32 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 811.8 60.7 91.1#
154 870.6 56.2 84.2#

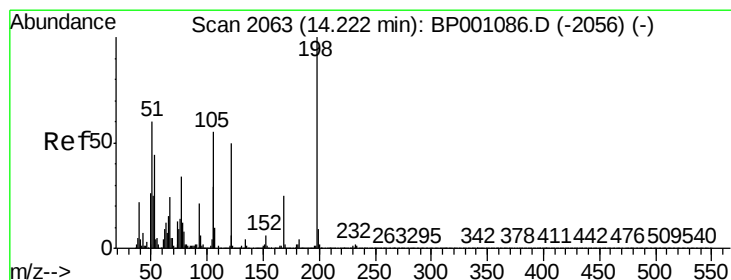
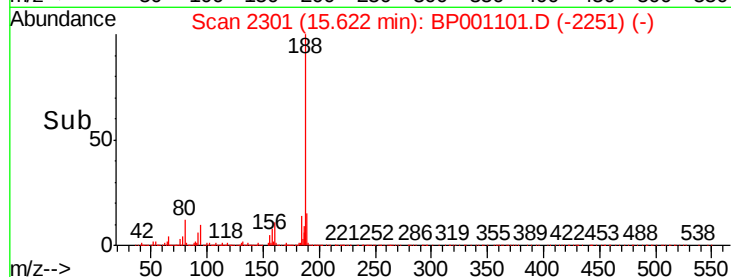
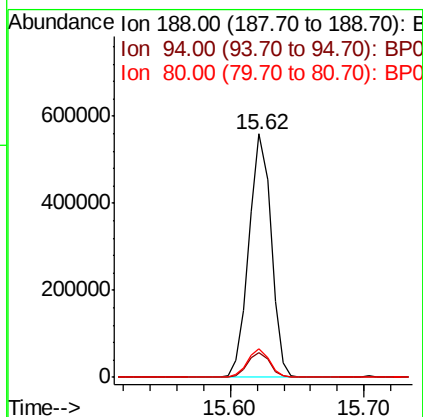
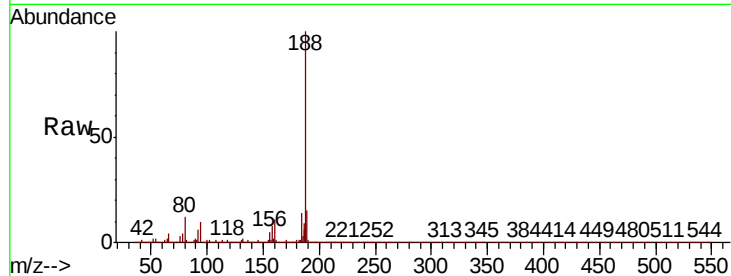




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

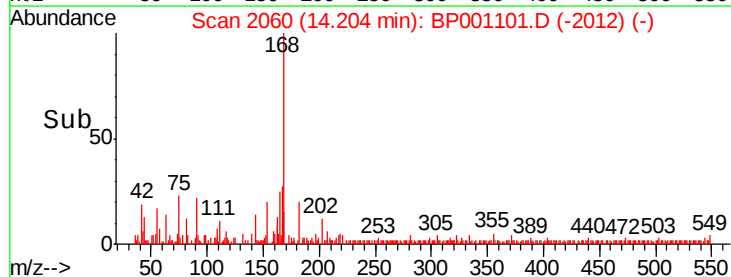
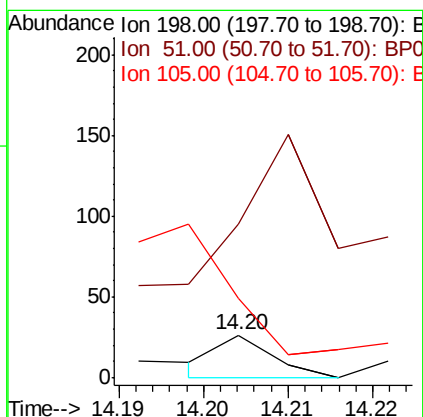
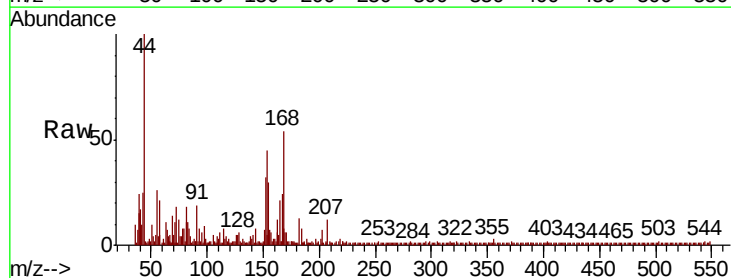
Instrument :
BNA_P
ClientSampleId :

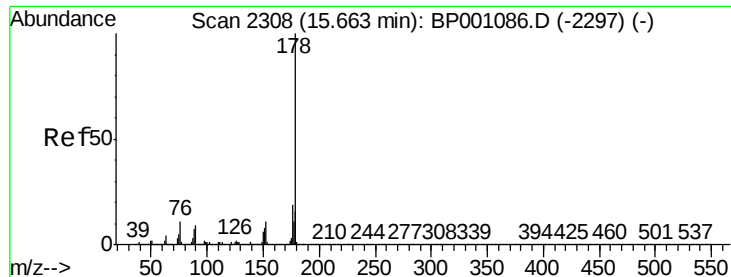
Tot Ion:188 Resp: 639121
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.8 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 6.280 ng
RT: 14.20 min Scan# 2060
Delta R.T. -0.02 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
51 365.4 40.5 80.5#
105 188.5 35.7 75.7#

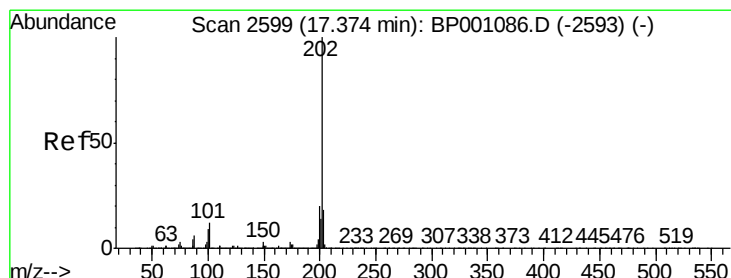
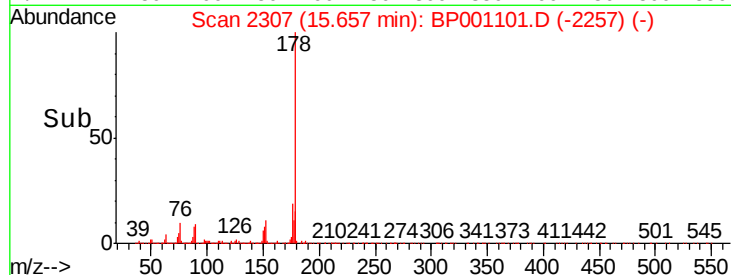
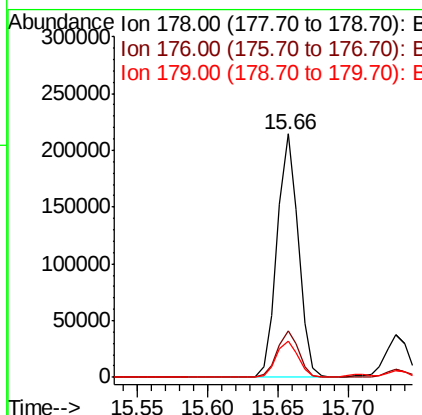
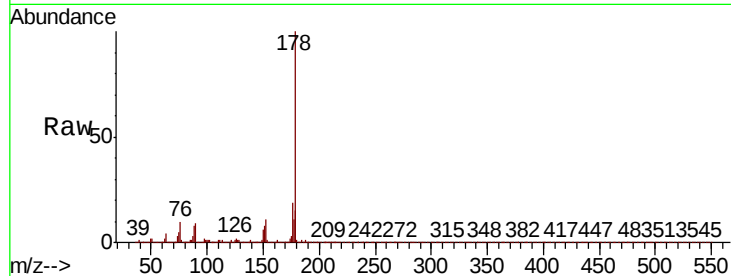




#71
Phenanthrene
Concen: 6.720 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

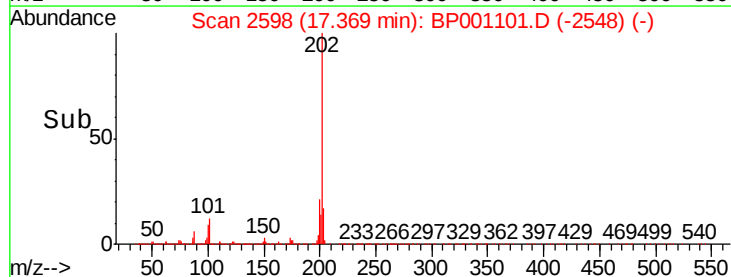
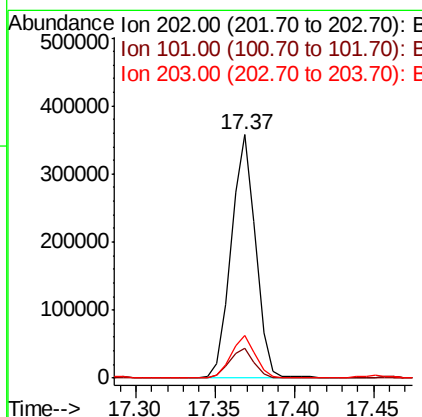
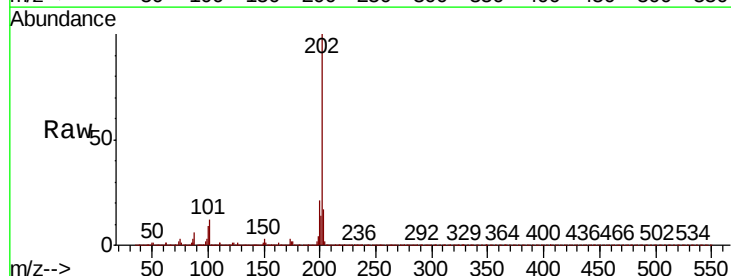
Instrument :
BNA_P
ClientSampleID :

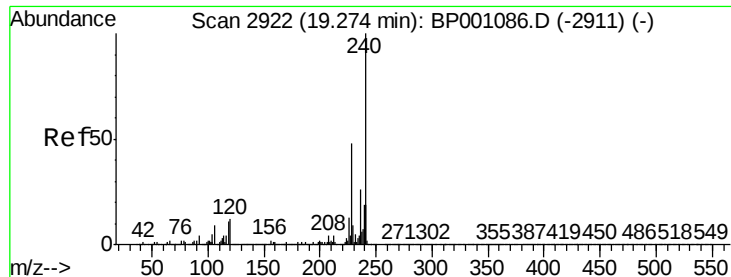
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.5	18.7



#75
Fluoranthene
Concen: 10.688 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.1
203	17.4	0.0	37.8

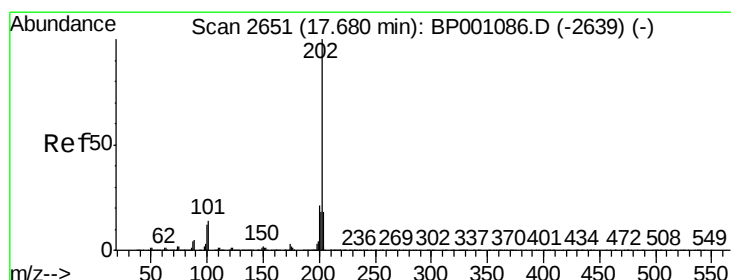
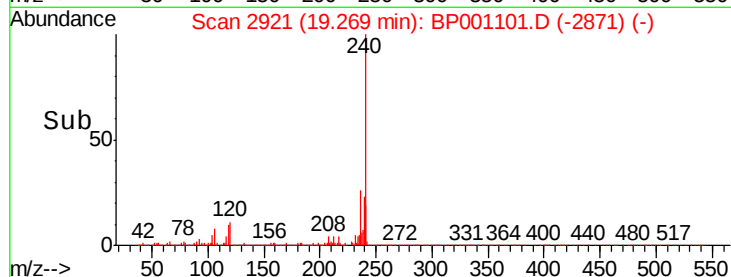
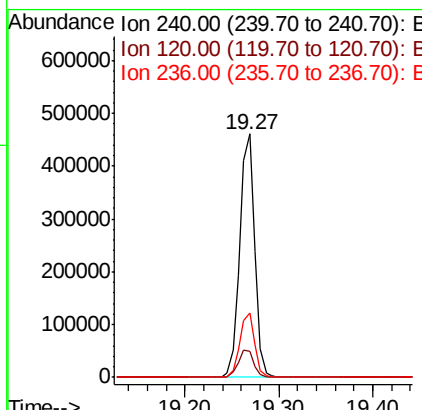
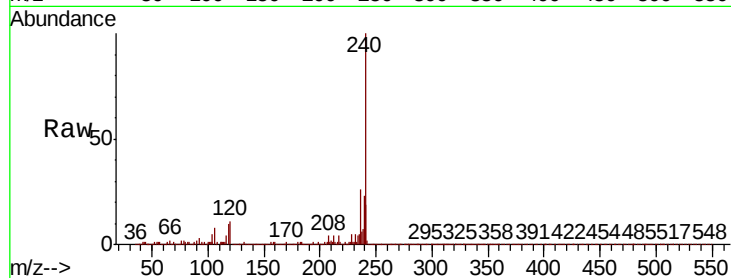




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

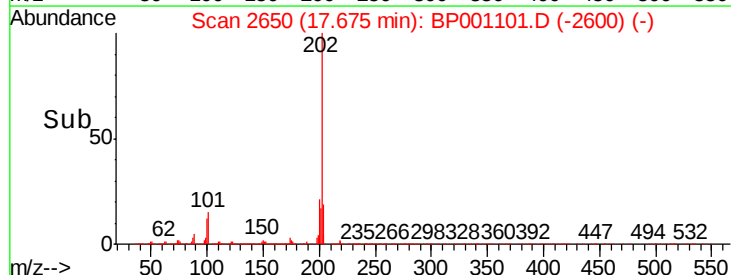
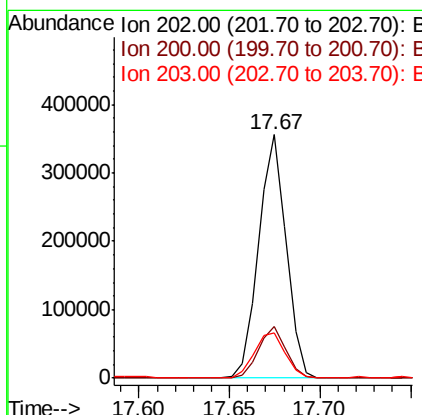
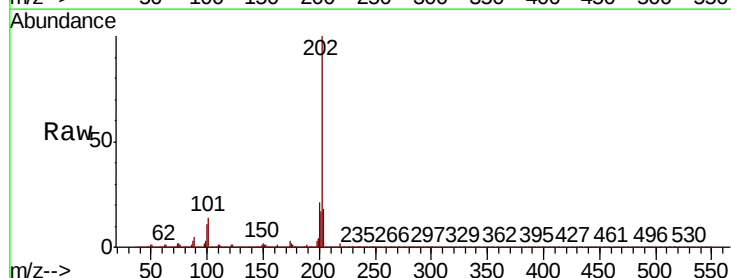
Instrument :
BNA_P
ClientSampleId :

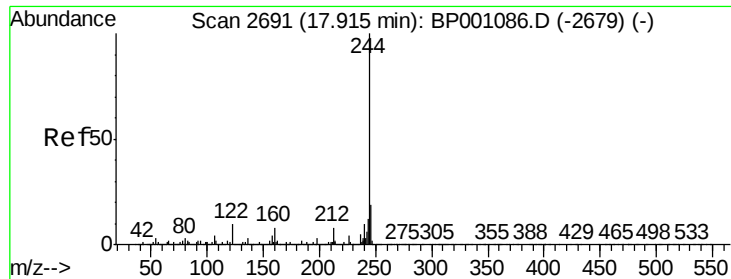
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.3	20.4	30.6



#78
Pyrene
Concen: 9.423 ng
RT: 17.67 min Scan# 2650
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	18.4	14.1	21.1





#79

Terphenyl-d14

Concen: 55.334 ng

RT: 17.91 min Scan# 2690

Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampleId :

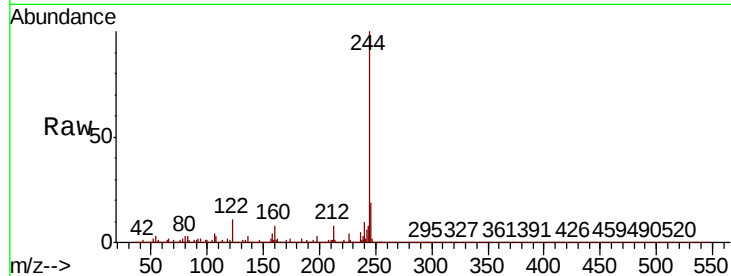
Tot Ion:244 Resp: 1514598

Ion Ratio Lower Upper

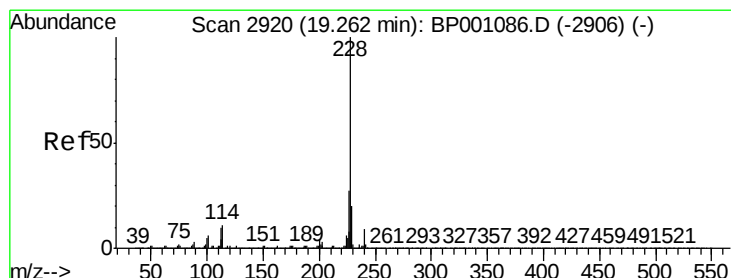
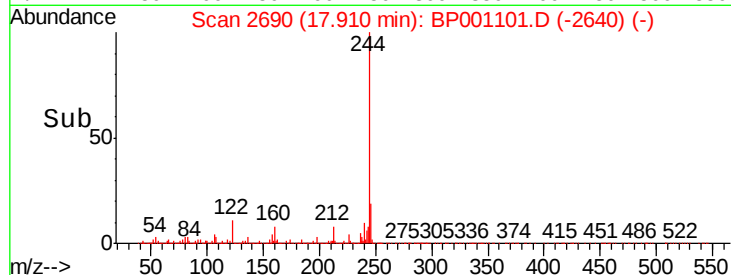
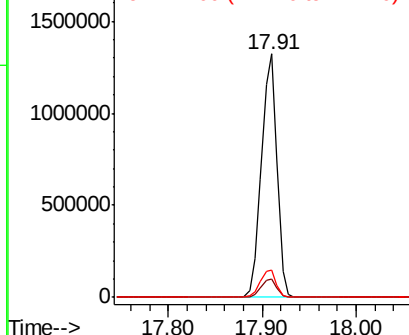
244 100

212 7.7 6.2 9.2

122 11.0 8.2 12.2



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



#81

Benzo(a)anthracene

Concen: 5.324 ng

RT: 19.25 min Scan# 2918

Delta R.T. -0.01 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

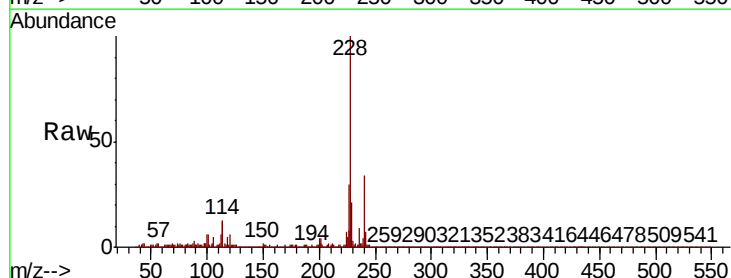
Tgt Ion:228 Resp: 186917

Ion Ratio Lower Upper

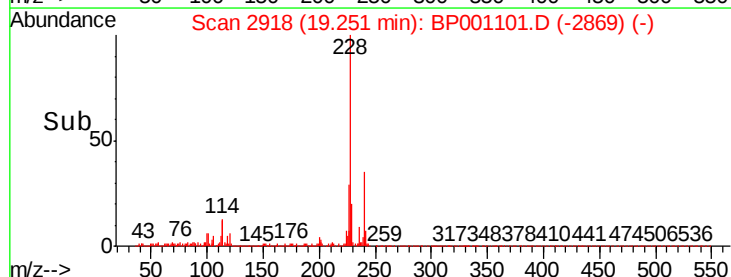
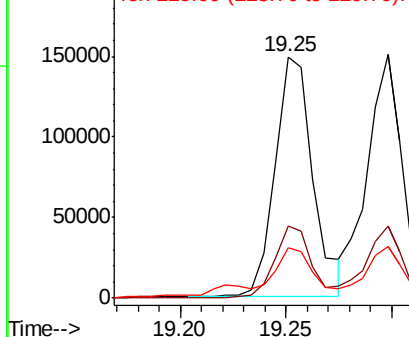
228 100

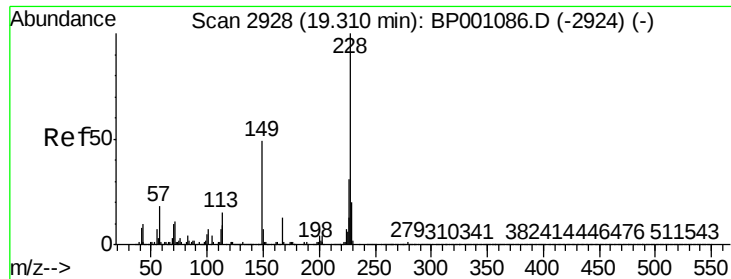
226 29.6 21.8 32.6

229 20.7 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

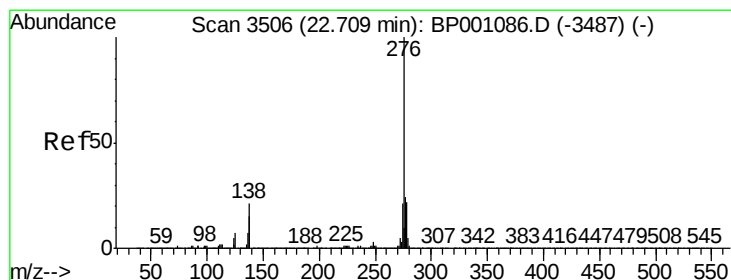
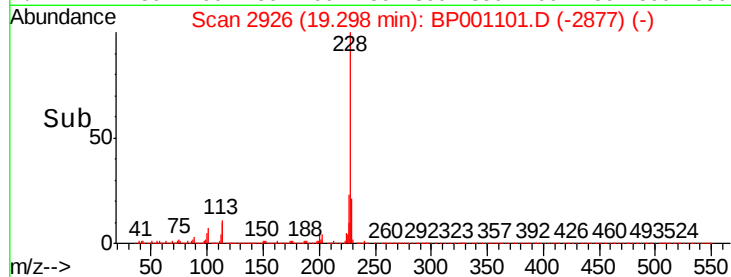
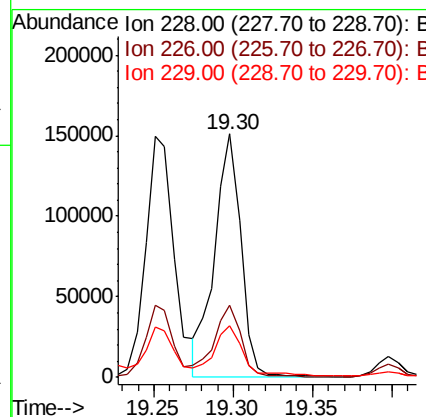
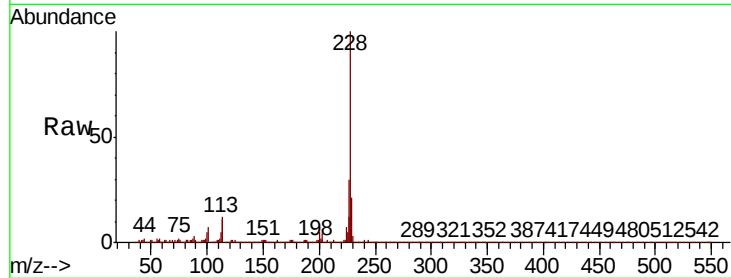




#83
Chrysene
Concen: 5.533 ng
RT: 19.30 min Scan# 2926
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

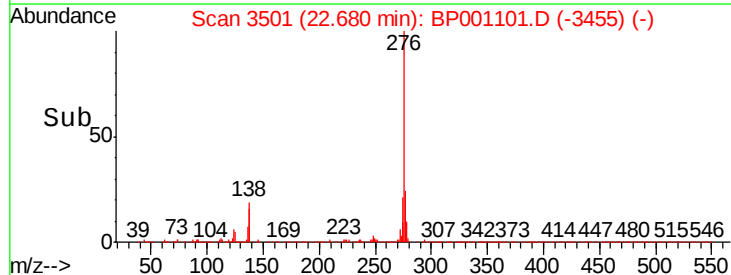
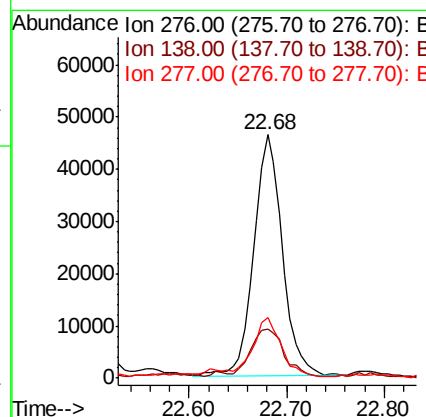
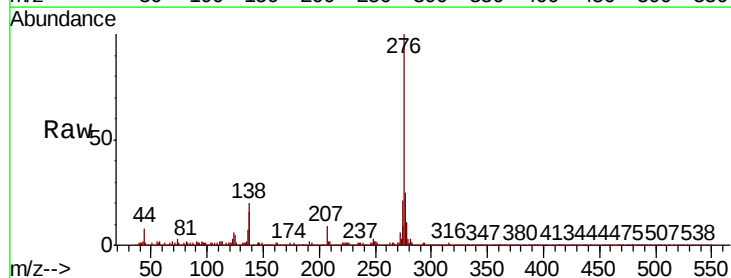
Instrument :
BNA_P
ClientSampleId :

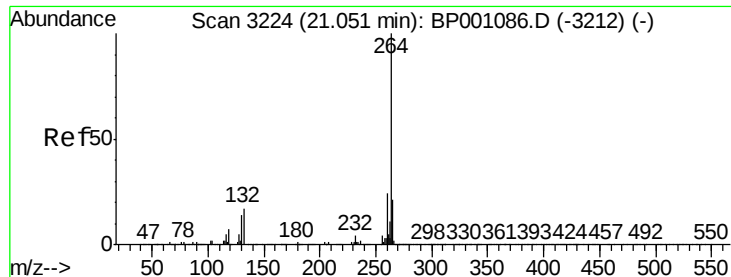
Tot Ion:228 Resp: 173956
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.5 15.7 23.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.545 ng
RT: 22.68 min Scan# 3501
Delta R.T. -0.03 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion:276 Resp: 94287
Ion Ratio Lower Upper
276 100
138 22.4 20.6 30.8
277 24.5 20.0 30.0



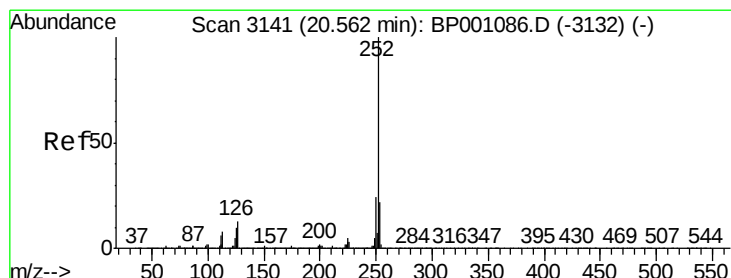
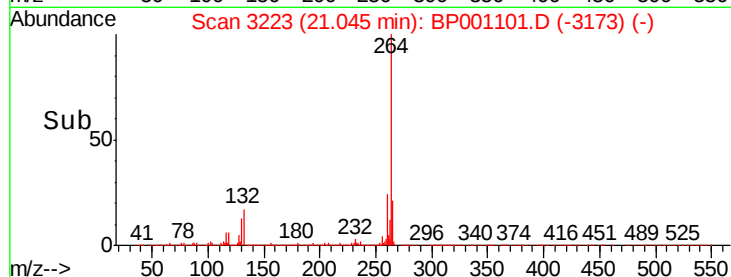
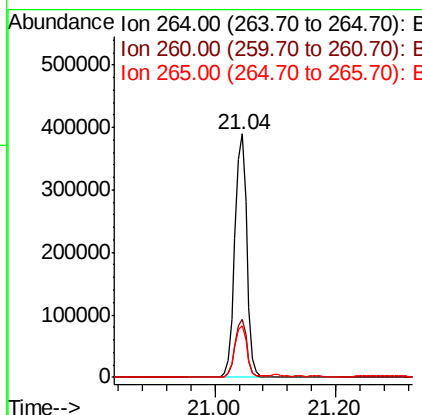
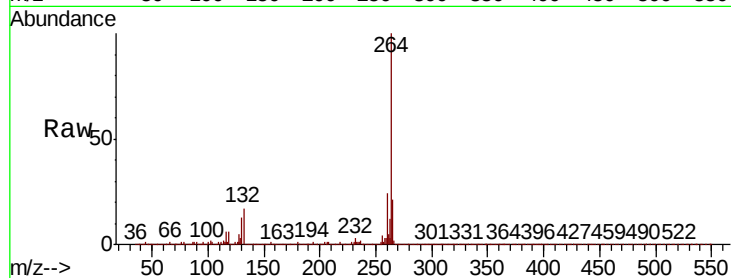


#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Instrument :
BNA_P
ClientSampled :

Tot Ion:264 Resp: 544790

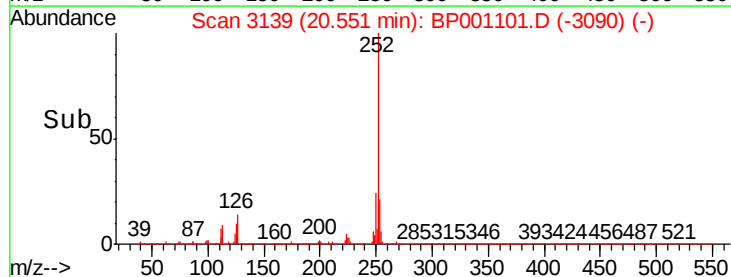
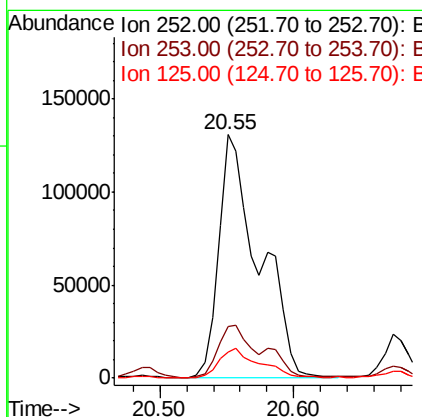
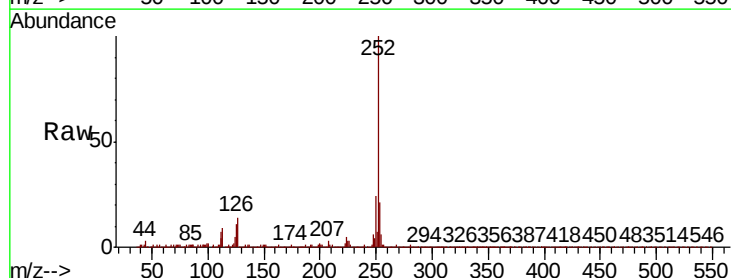
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.3	16.9	25.3

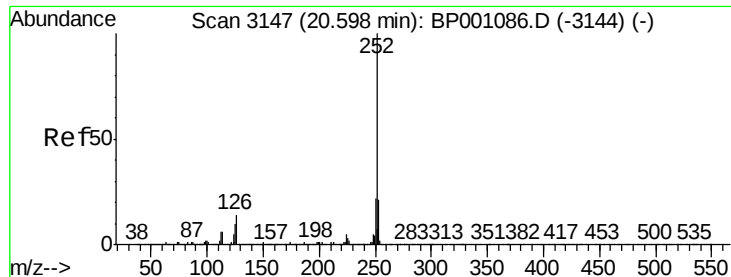


#88
Benzo(b)fluoranthene
Concen: 8.245 ng
RT: 20.55 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion:252 Resp: 274348

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	10.7	8.1	12.1

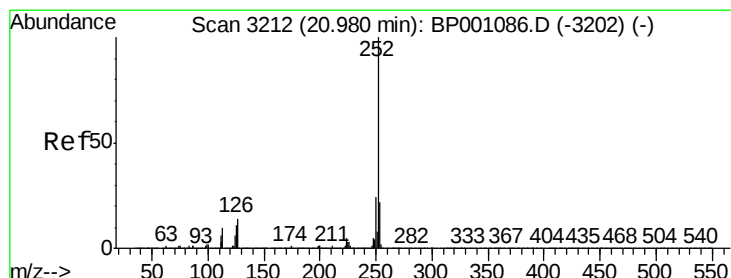
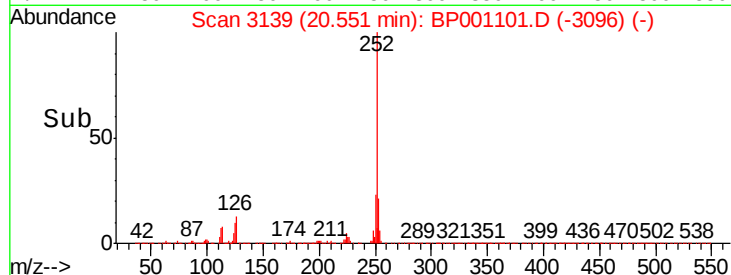
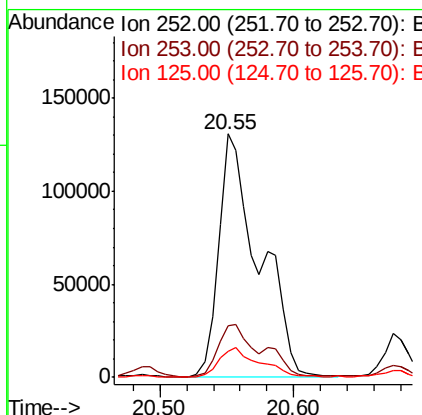
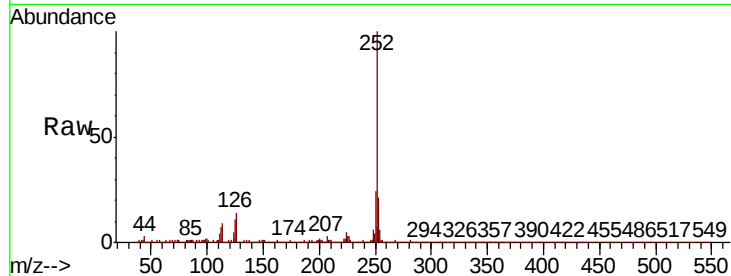




#89
Benzo(k)fluoranthene
Concen: 8.560 ng
RT: 20.55 min Scan# 3139
Delta R.T. -0.05 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

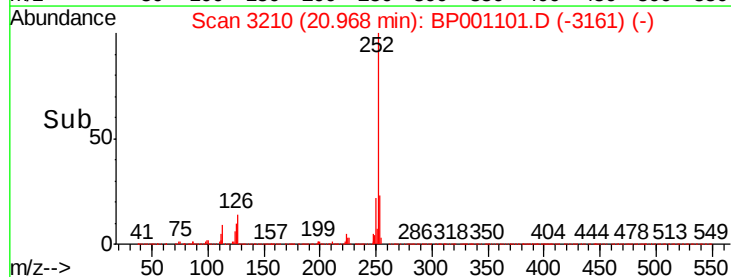
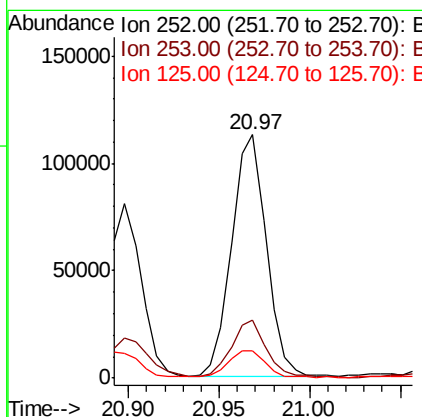
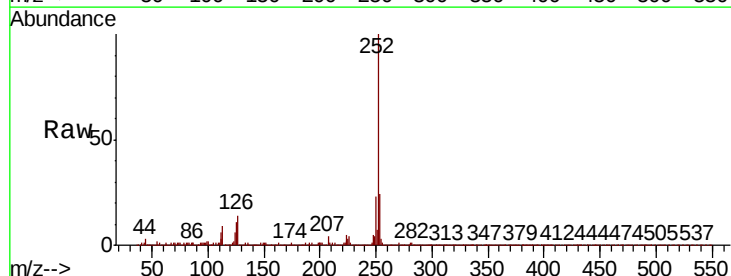
Instrument :
BNA_P
ClientSampleId :

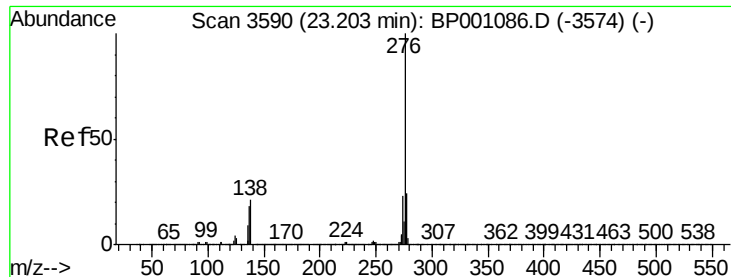
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.7	8.2	12.2



#90
Benzo(a)pyrene
Concen: 4.923 ng
RT: 20.97 min Scan# 3210
Delta R.T. -0.01 min
Lab File: BP001101.D
Acq: 28 Nov 2019 01:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	11.0	8.7	13.1





#92

Benzo(a,h,i)perylene

Concen: 3.197 ng

RT: 23.17 min Scan# 3584

Delta R.T. -0.04 min

Lab File: BP001101.D

Acq: 28 Nov 2019 01:36

Instrument :

BNA_P

ClientSampleId :

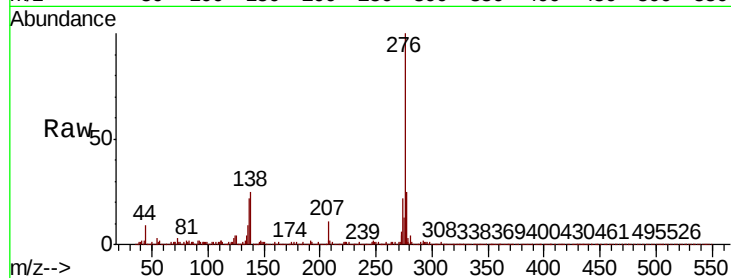
Tot Ion: 276 Resp: 94698

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 24.8 17.2 25.8



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

