

Data File : BP001622.D
Acq On : 15 Jan 2020 22:28
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BW-1-3.0

Quant Time: Jan 16 06:03:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	40796	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	150008	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	98646	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	209922	20.00	ng	0.00
76) Chrysene-d12	21.15	240	168899	20.00	ng	0.00
87) Perylene-d12	23.39	264	177902	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	199482	95.79	ng	0.00
7) Phenol-d6	6.83	99	289809	87.07	ng	0.00
23) Nitrobenzene-d5	8.78	82	204187	59.48	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	114335	76.14	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	423923	63.18	ng	0.00
79) Terphenyl-d14	19.63	244	567431	61.45	ng	0.00

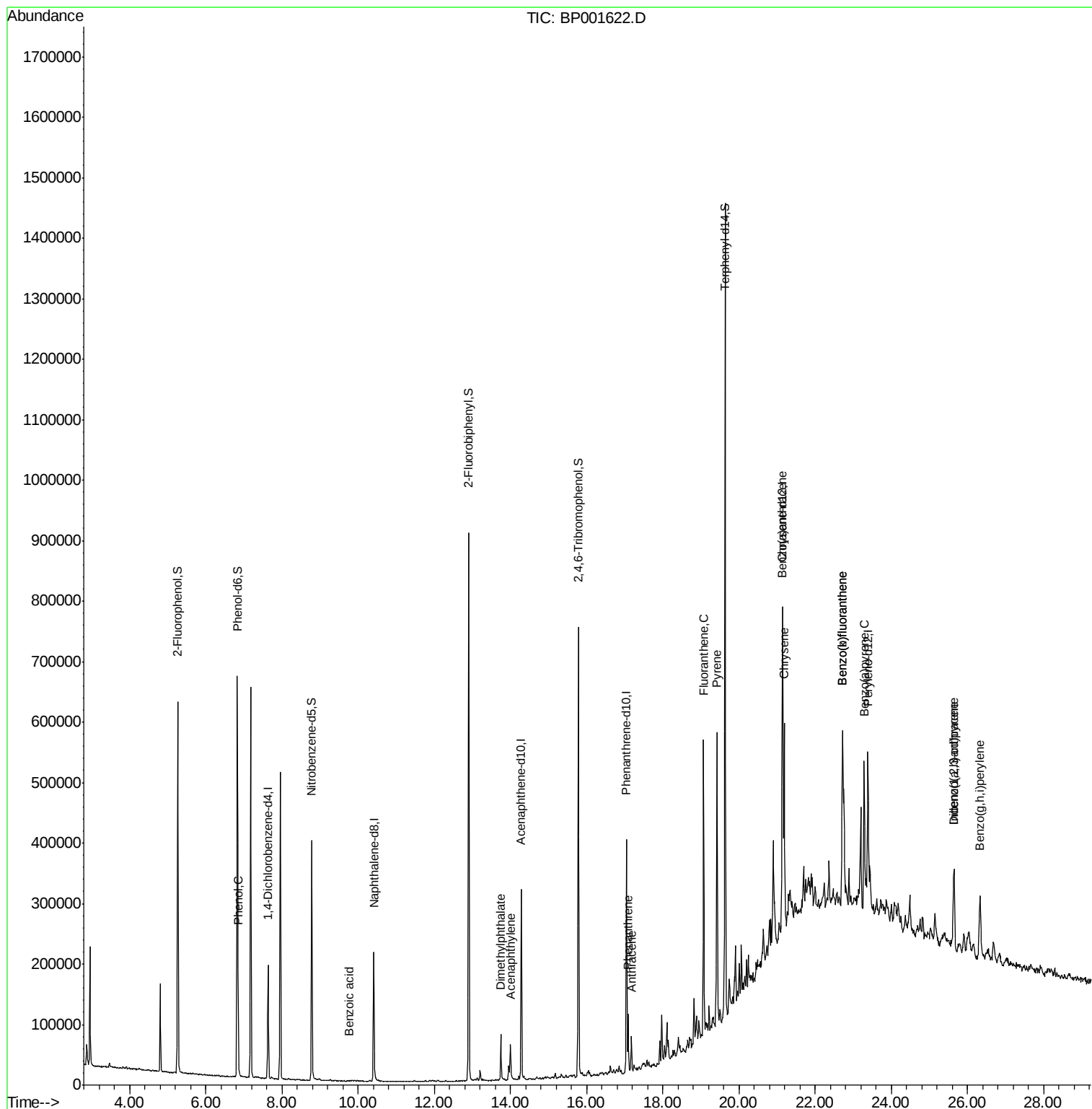
Target Compounds				Qvalue		
10) Phenol	6.85	94	7981	2.318	ng	91
32) Benzoic acid	9.76	122	30	4.718	ng	# 43
49) Acenaphthylene	14.00	152	38447	4.243	ng	99
50) Dimethylphthalate	13.75	163	40643	5.002	ng	# 96
71) Phenanthrene	17.09	178	53495	4.686	ng	99
72) Anthracene	17.17	178	31229	2.810	ng	97
75) Fluoranthene	19.07	202	270220	17.989	ng	99
78) Pyrene	19.42	202	284000	22.890	ng	98
81) Benzo(a)anthracene	21.13	228	196960	16.744	ng	95
83) Chrysene	21.19	228	182798	15.946	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	122169	9.104	ng	99
88) Benzo(b)fluoranthene	22.72	252	328010	29.259	ng	# 98
89) Benzo(k)fluoranthene	22.72	252	328010	30.009	ng	# 99
90) Benzo(a)pyrene	23.29	252	186329	17.505	ng	# 97
91) Dibenzo(a,h)anthracene	25.65	278	29237	2.662	ng	# 90
92) Benzo(g,h,i)perylene	26.33	276	122559	11.226	ng	97

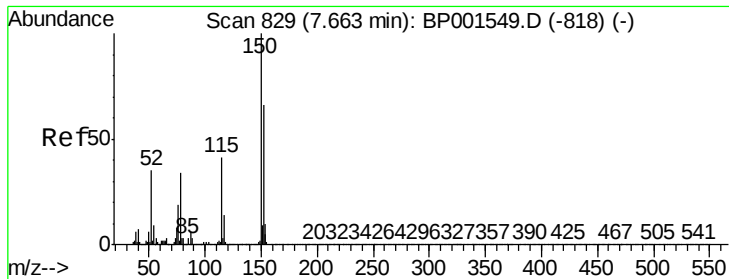
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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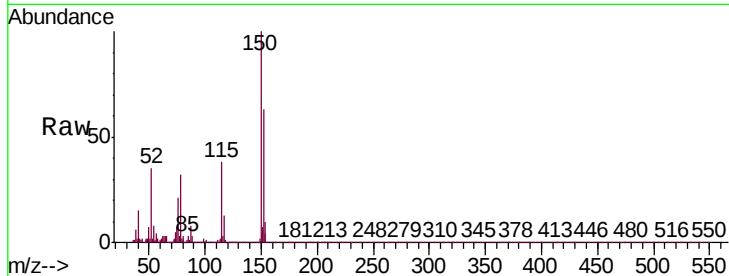




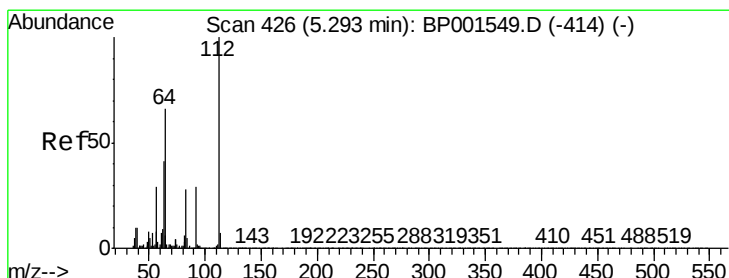
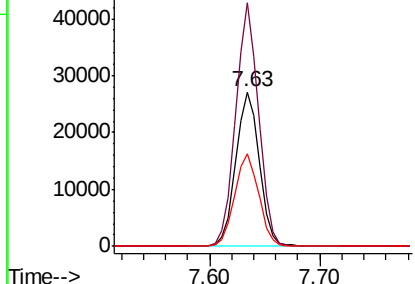
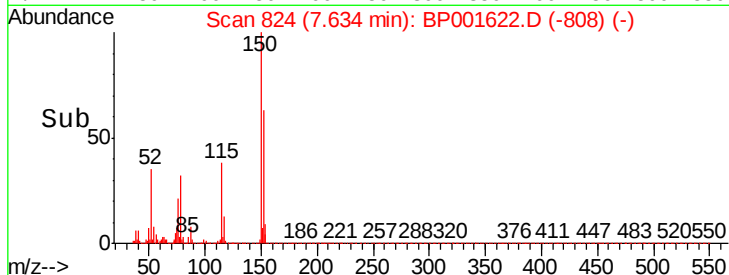
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BP001622.D
 Acq: 15 Jan 2020 22:28

Instrument :
 BNA_P
 ClientSampleId :
 BW-1-3.0

Tgt Ion:152 Resp: 40796
 Ion Ratio Lower Upper
 152 100
 150 157.9 122.0 183.0
 115 60.4 50.7 76.1

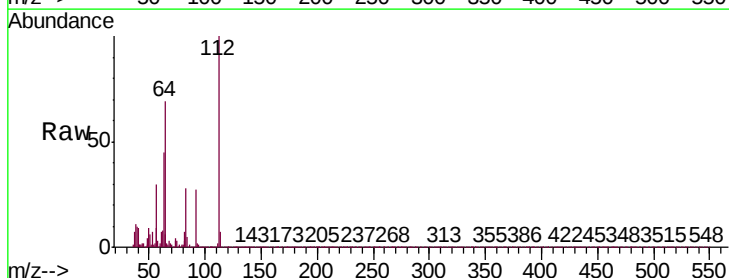


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

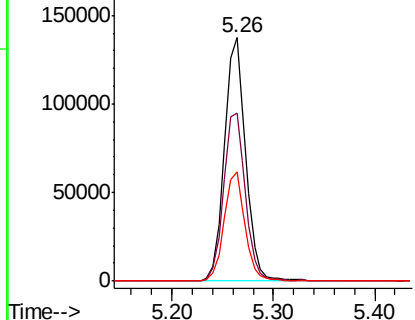
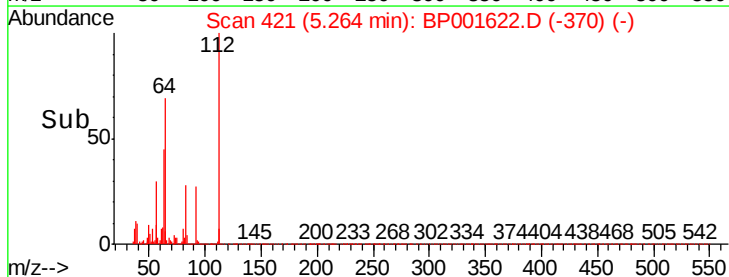


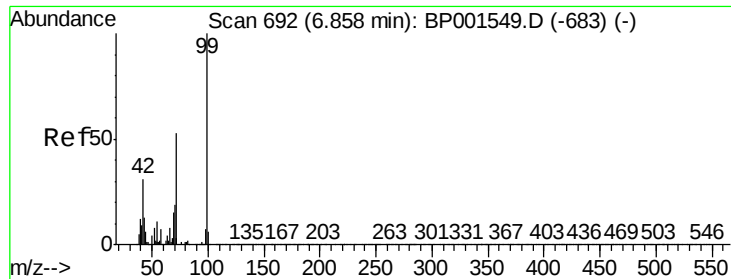
#5
 2-Fluorophenol
 Concen: 95.785 ng
 RT: 5.26 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BP001622.D
 Acq: 15 Jan 2020 22:28

Tgt Ion:112 Resp: 199482
 Ion Ratio Lower Upper
 112 100
 64 69.1 52.8 79.2
 63 44.6 33.1 49.7



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: 87.072 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

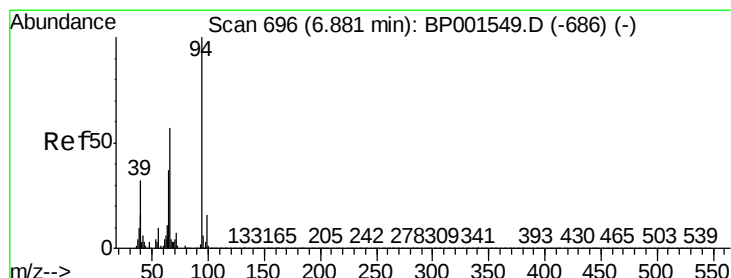
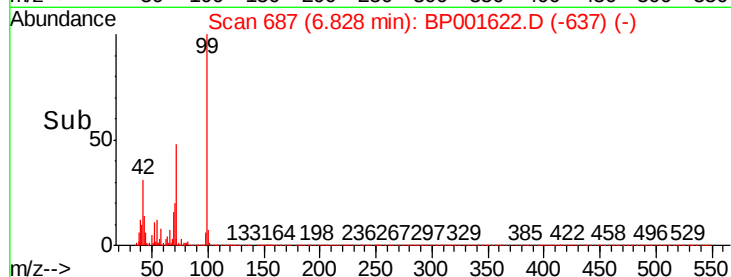
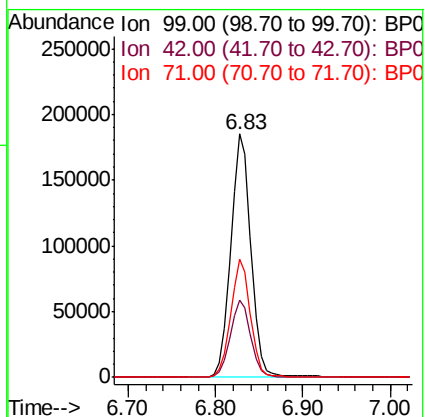
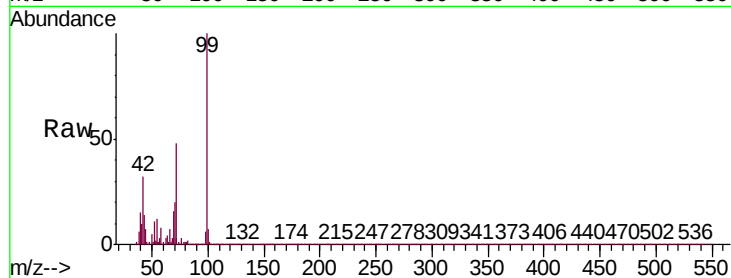
Tgt Ion: 99 Resp: 289809

Ion Ratio Lower Upper

99 100

42 31.5 24.5 36.7

71 48.3 42.4 63.6



#10

Phenol

Concen: 2.318 ng

RT: 6.85 min Scan# 691

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

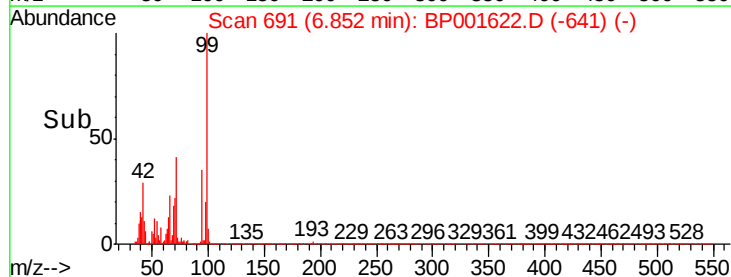
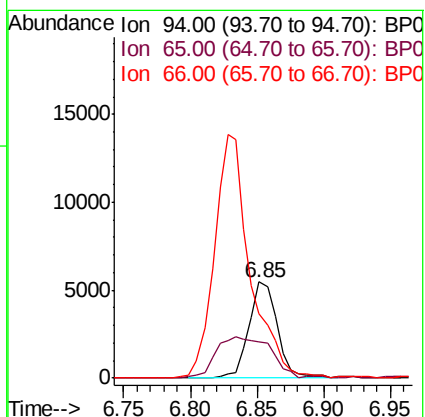
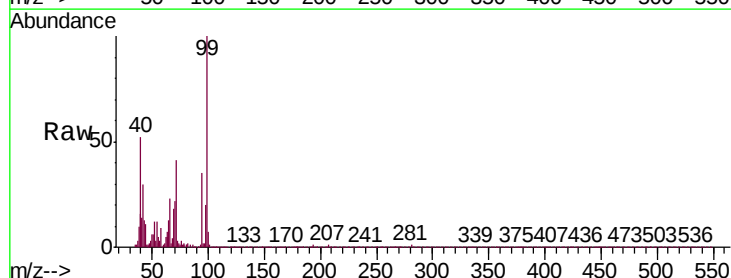
Tgt Ion: 94 Resp: 7981

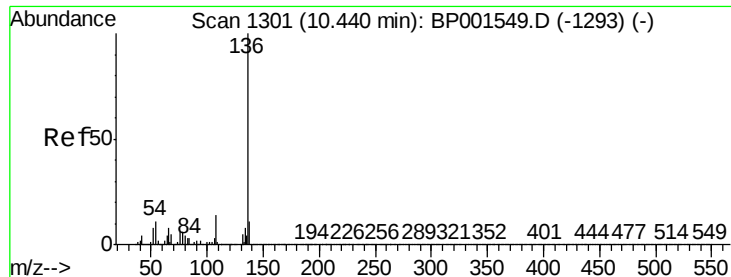
Ion Ratio Lower Upper

94 100

65 37.6 17.5 57.5

66 67.0 36.7 76.7

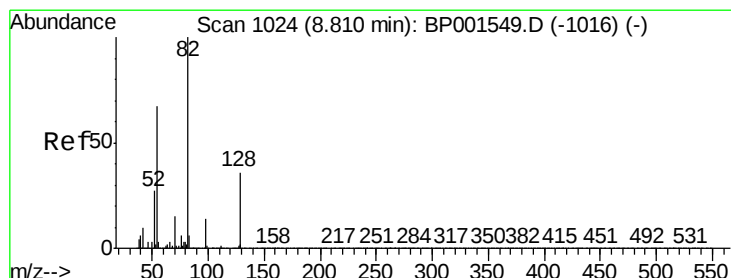
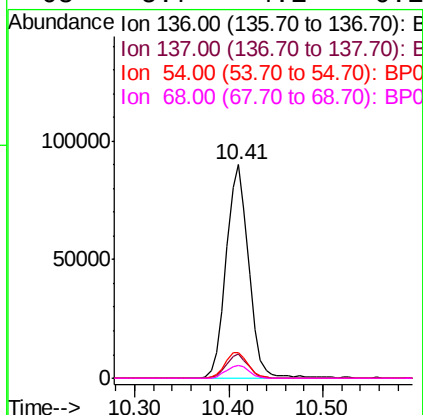
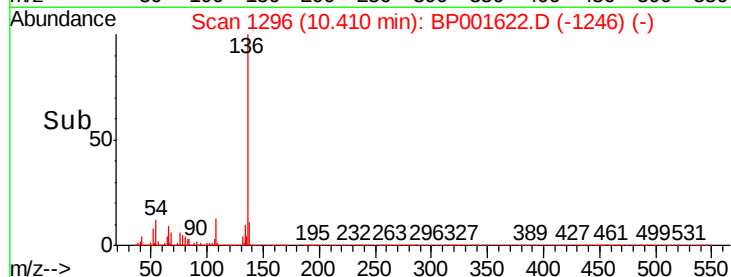
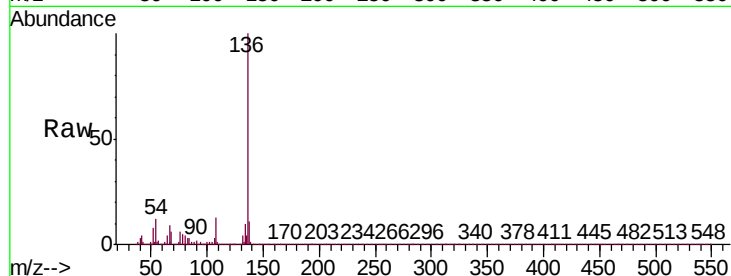




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.41 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

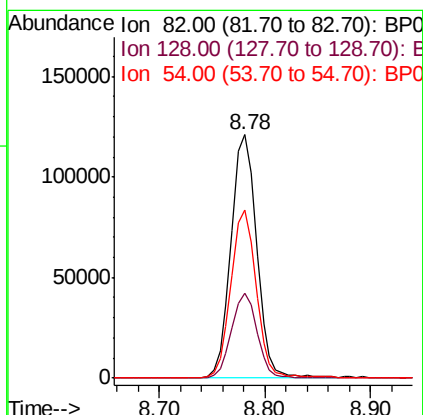
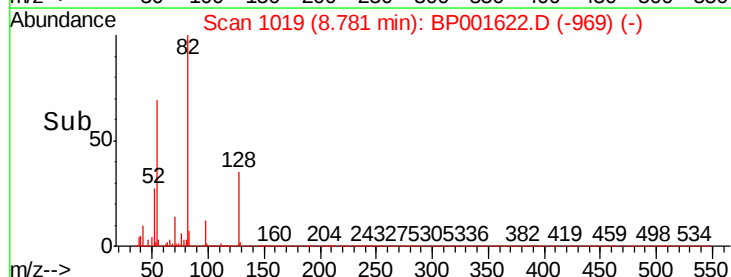
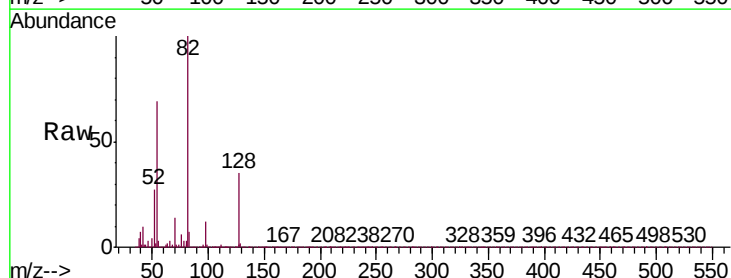
Instrument :
BNA_P
ClientSampleId :
BW-1-3.0

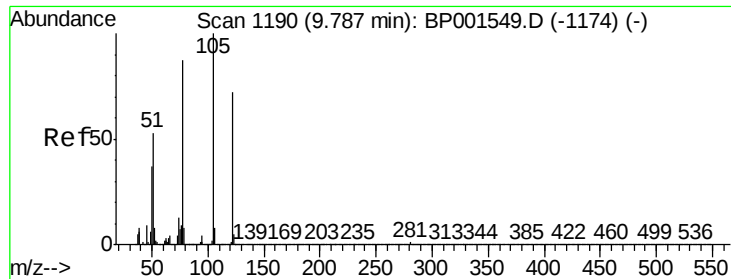
Tgt Ion:	136	Resp:	150008
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	11.8	9.2	13.8
68	5.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 59.480 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Tgt Ion:	82	Resp:	204187
Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.4	42.6
54	68.9	53.4	80.2

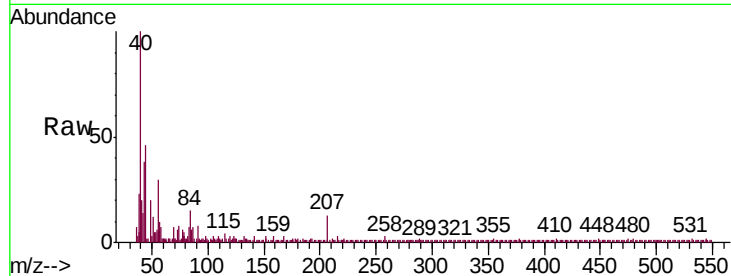




#32
Benzoic acid
Concen: 4.718 ng
RT: 9.76 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Instrument :
BNA_P
ClientSampleId :
BW-1-3.0

Tgt Ion	Ratio	Lower	Upper
122	100		
105	83.3	119.5	159.5#
77	200.0	102.8	142.8#

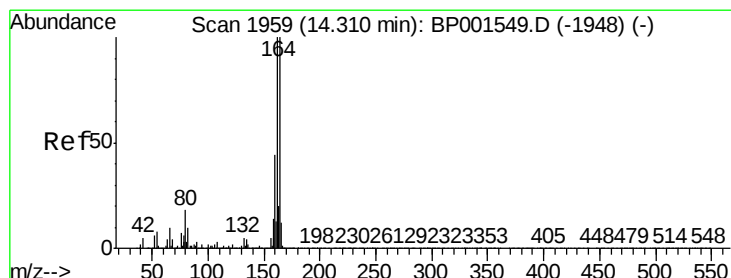
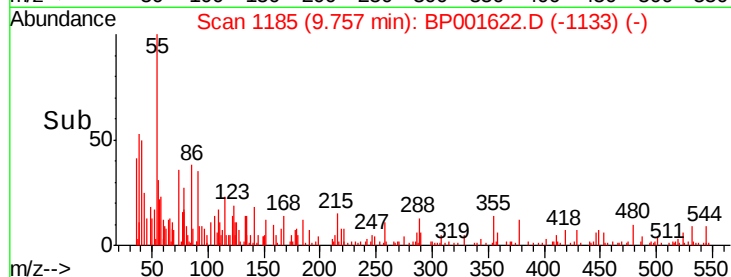
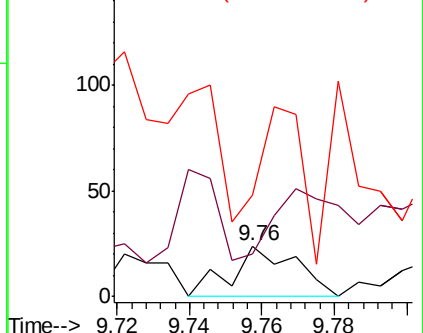


Abundance

Ion 122.00 (121.70 to 122.70): E

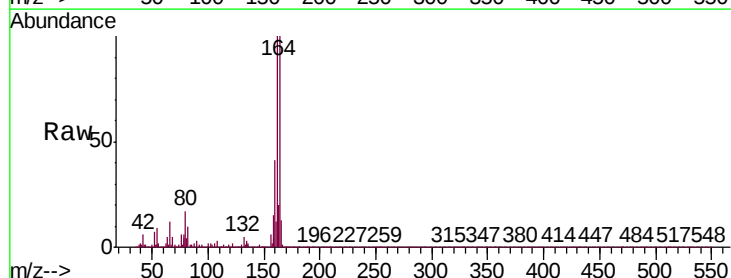
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.8	119.6
160	41.3	35.0	52.6

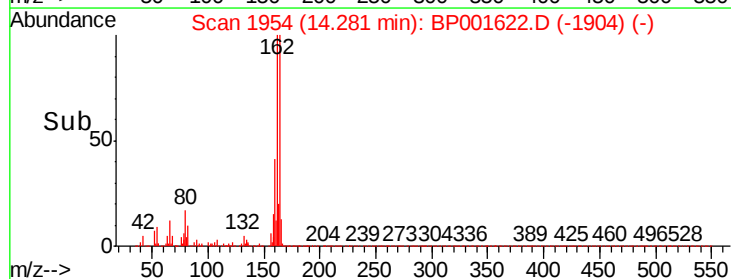
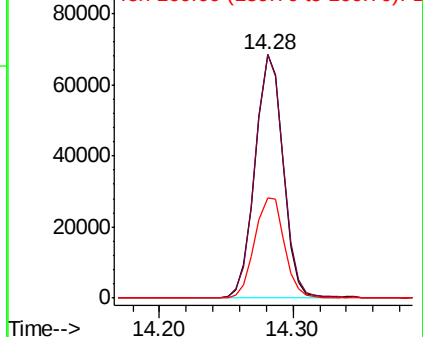


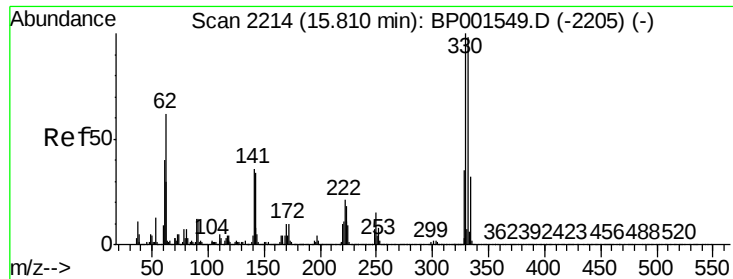
Abundance

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

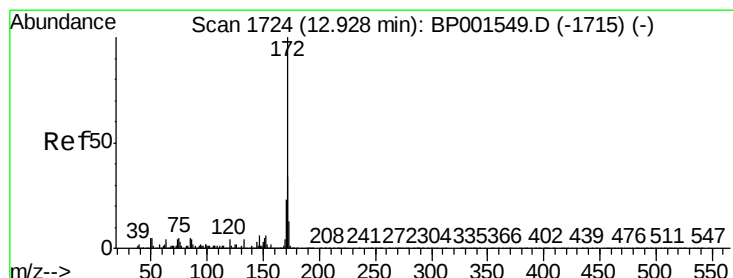
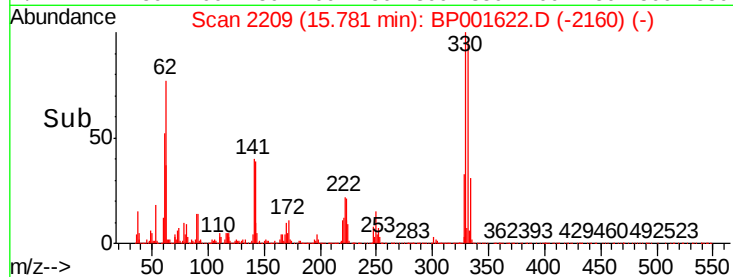
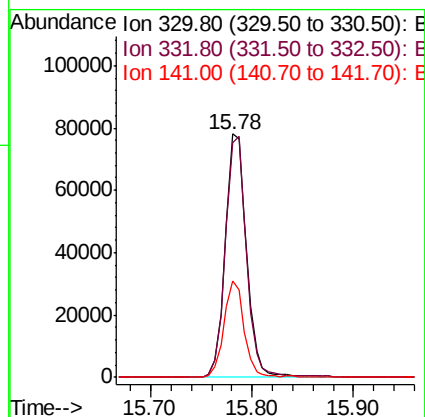
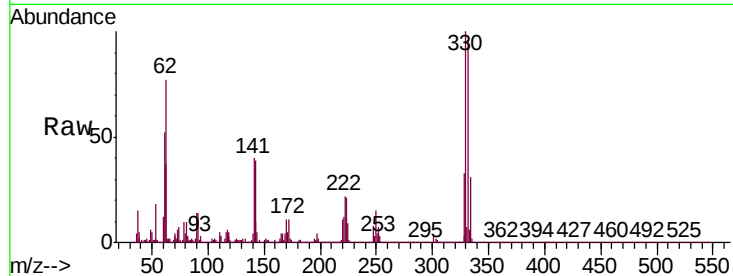




#42
 2,4,6-Tribromophenol
 Concen: 76.143 ng
 RT: 15.78 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BP001622.D
 Acq: 15 Jan 2020 22:28

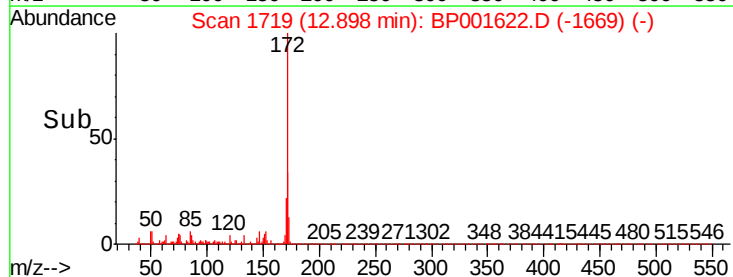
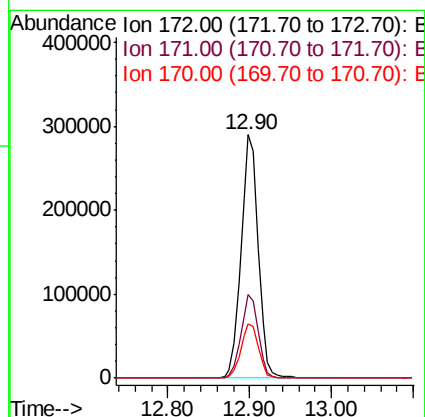
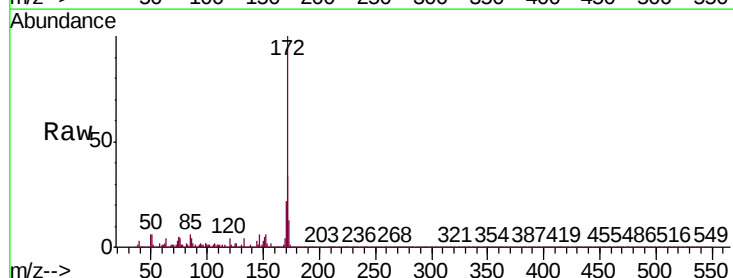
Instrument :
 BNA_P
 ClientSampleId :
 BW-1-3.0

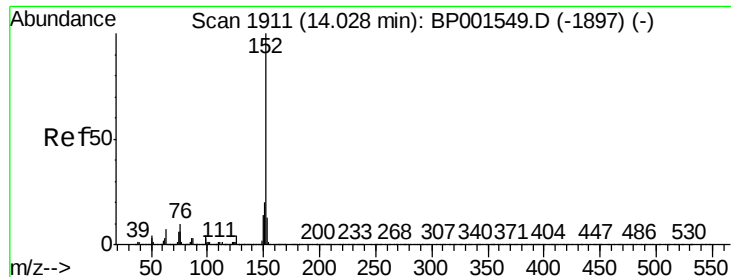
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.8	116.6
141	38.1	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 63.184 ng
 RT: 12.90 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BP001622.D
 Acq: 15 Jan 2020 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.6	41.4
170	22.4	18.3	27.5





#49

Acenaphthylene

Concen: 4.243 ng

RT: 14.00 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

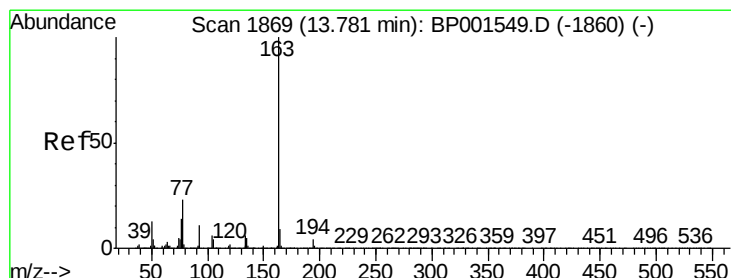
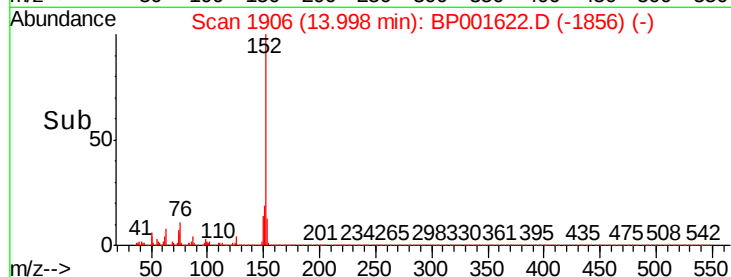
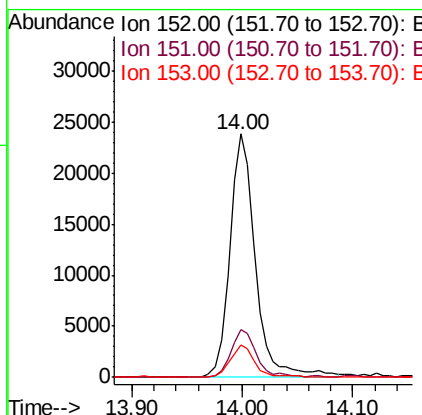
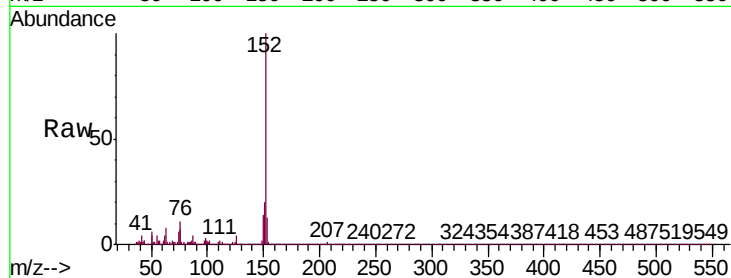
Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

Tgt Ion:	152	Resp:	38447
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	13.1	10.4	15.6



#50

Dimethylphthalate

Concen: 5.002 ng

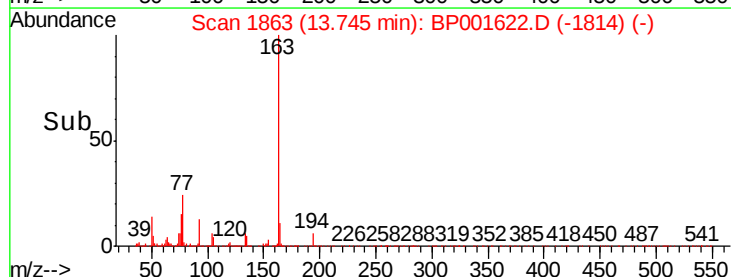
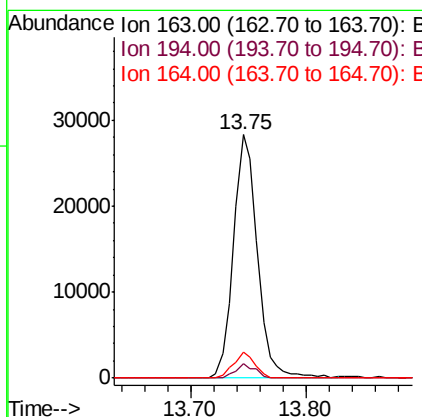
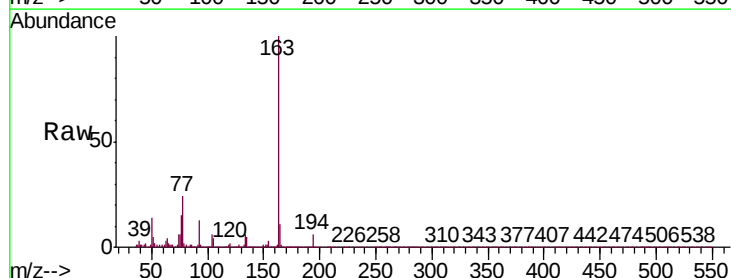
RT: 13.75 min Scan# 1863

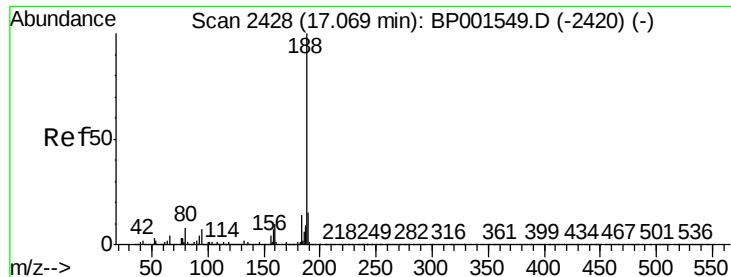
Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Tgt Ion:	163	Resp:	40643
Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.6	5.4#
164	10.7	7.5	11.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

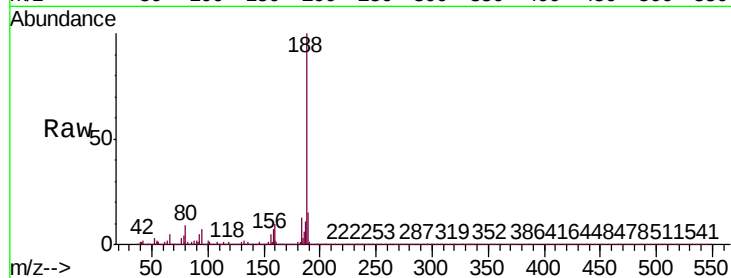
Tgt Ion:188 Resp: 209922

Ion Ratio Lower Upper

188 100

94 7.2 5.9 8.9

80 9.1 6.8 10.2



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

200000

150000

100000

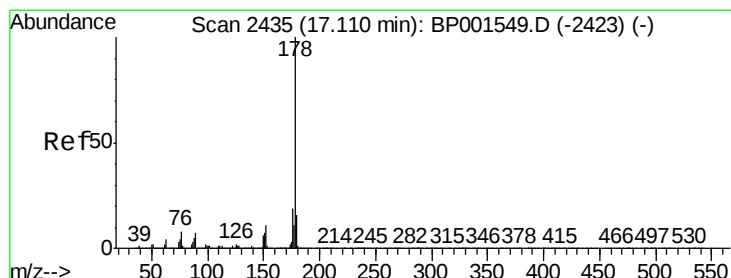
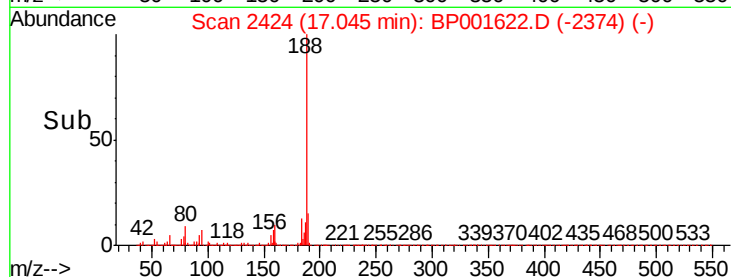
50000

0

17.05

17.00 17.10

Time-->



#71

Phenanthrene

Concen: 4.686 ng

RT: 17.09 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

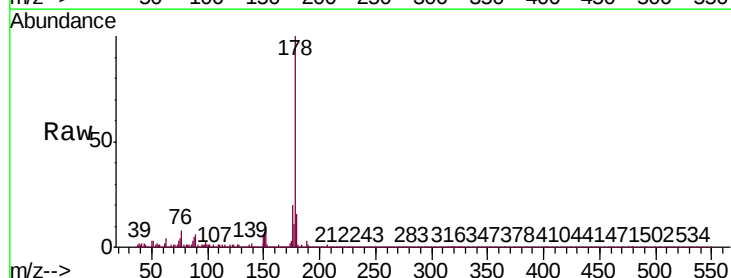
Tgt Ion:178 Resp: 53495

Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

179 15.6 12.5 18.7



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

50000

40000

30000

20000

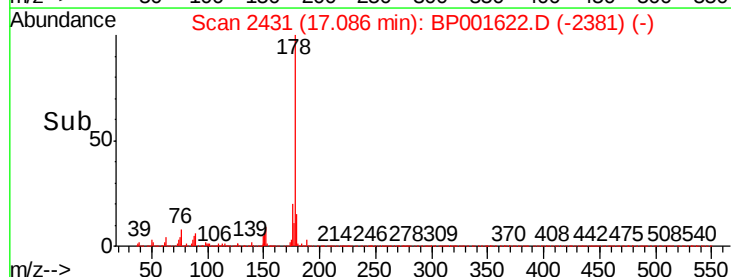
10000

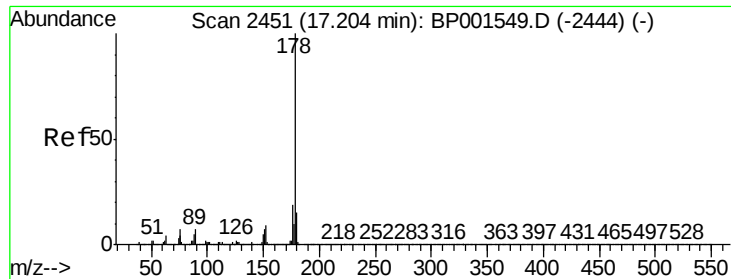
0

17.09

17.05 17.10 17.15

Time-->





#72

Anthracene

Concen: 2.810 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

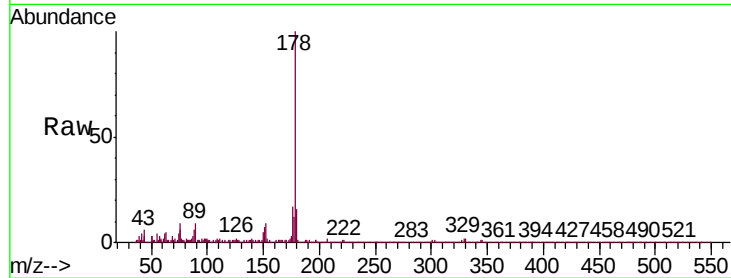
Tgt Ion:178 Resp: 31229

Ion Ratio Lower Upper

178 100

176 17.3 15.0 22.6

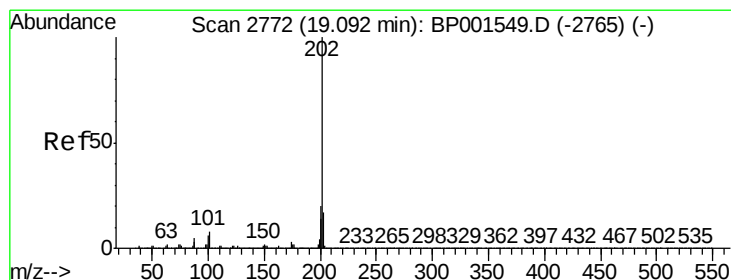
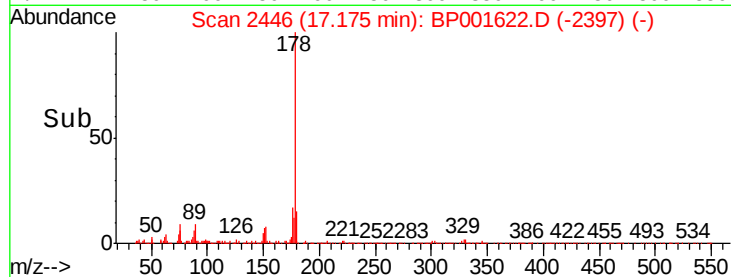
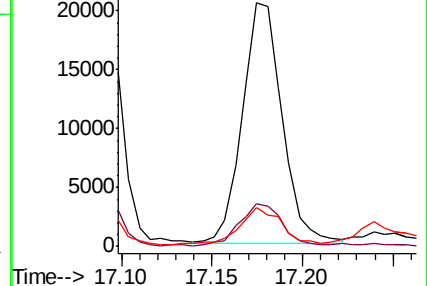
179 15.8 11.8 17.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.989 ng

RT: 19.07 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

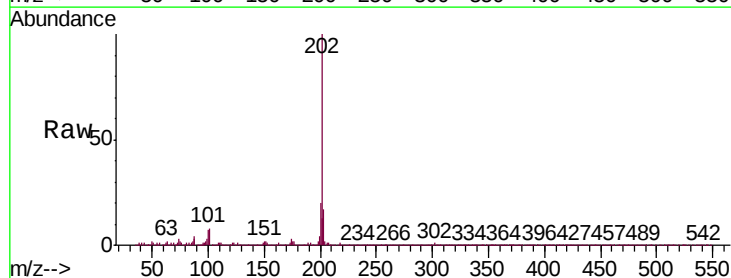
Tgt Ion:202 Resp: 270220

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.4

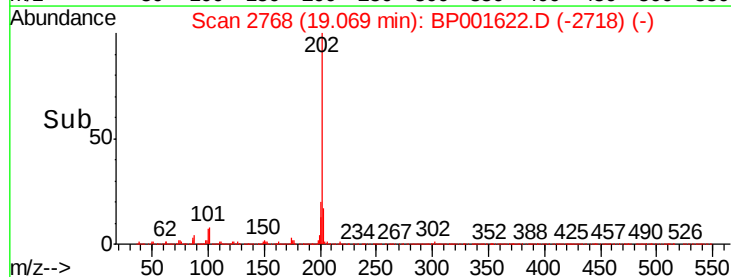
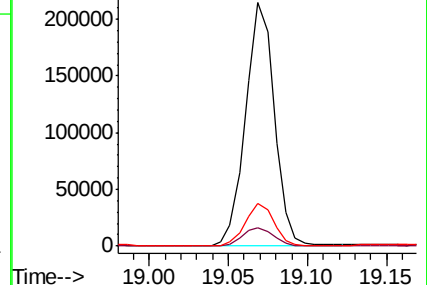
203 17.4 0.0 37.4

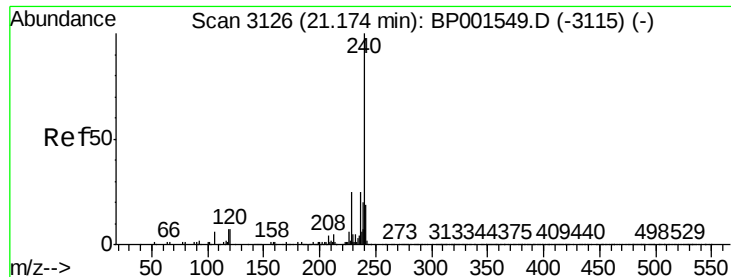


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

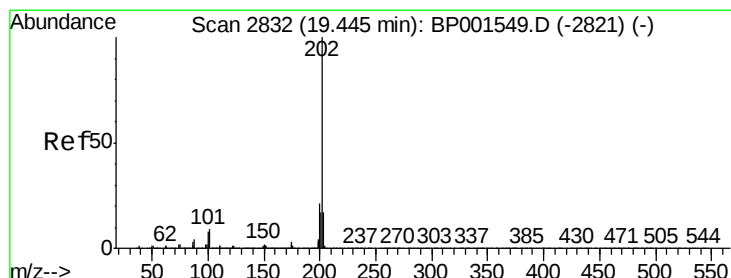
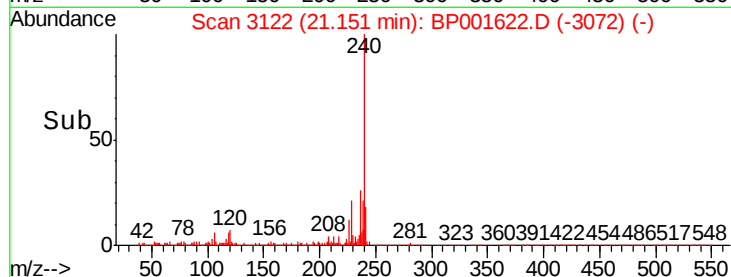
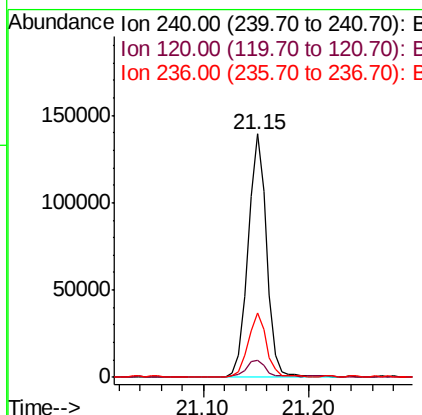
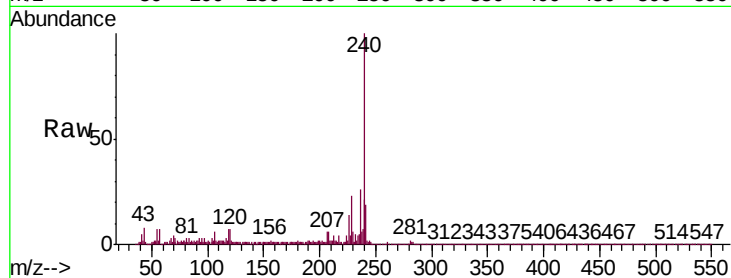




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

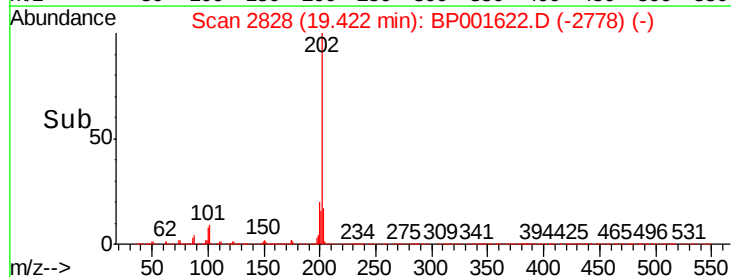
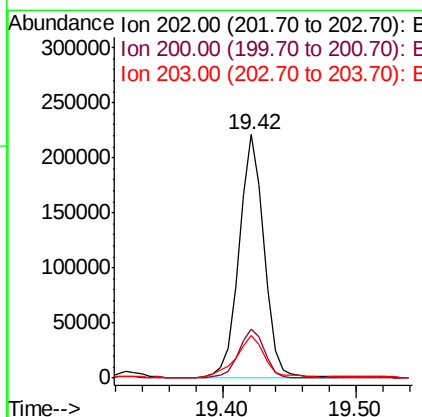
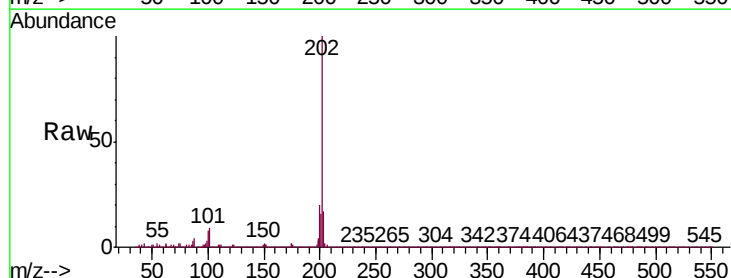
Instrument :
BNA_P
ClientSampleId :
BW-1-3.0

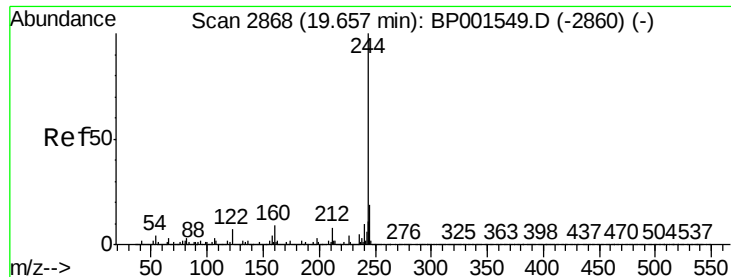
Tgt Ion:240 Resp: 168899
Ion Ratio Lower Upper
240 100
120 8.4 5.7 8.5
236 26.4 20.4 30.6



#78
Pyrene
Concen: 22.890 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Tgt Ion:202 Resp: 284000
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 17.5 13.7 20.5





#79

Terphenyl-d14

Concen: 61.448 ng

RT: 19.63 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

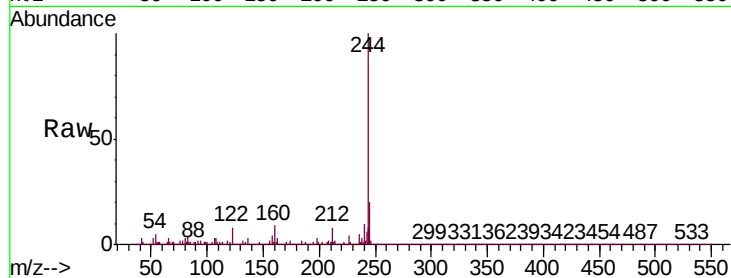
Tgt Ion:244 Resp: 567431

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

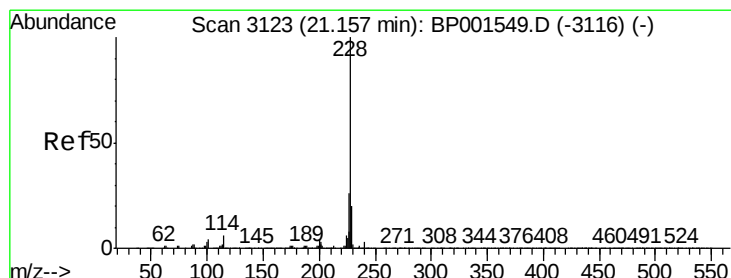
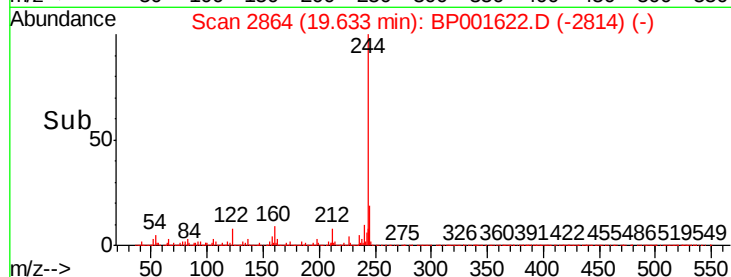
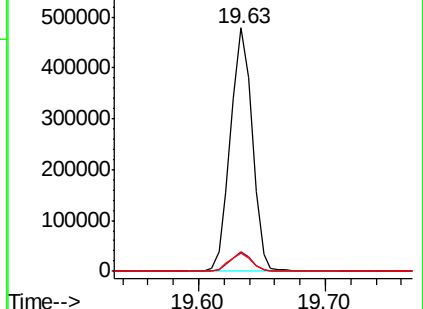
122 7.7 5.8 8.6



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: 16.744 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

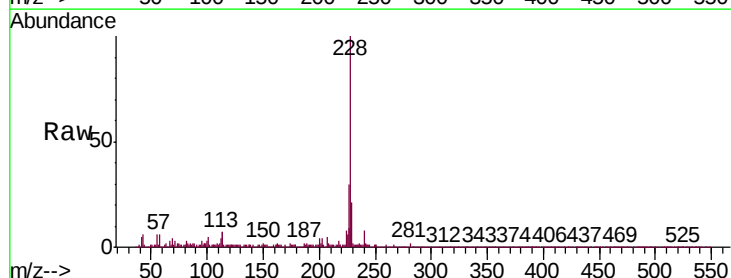
Tgt Ion:228 Resp: 196960

Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

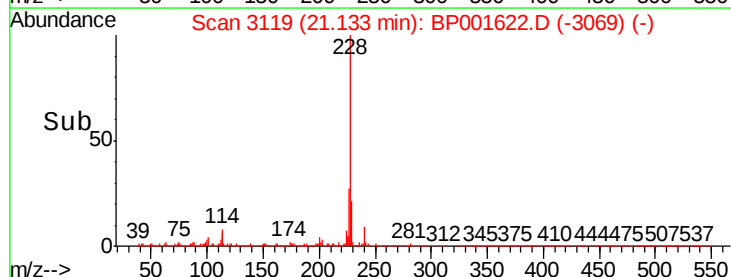
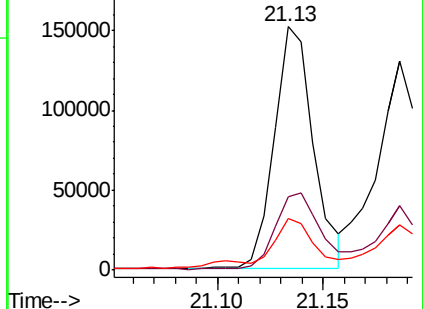
229 21.3 16.1 24.1

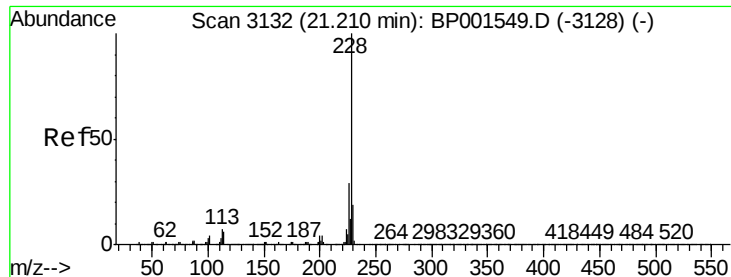


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.946 ng

RT: 21.19 min Scan# 3128

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

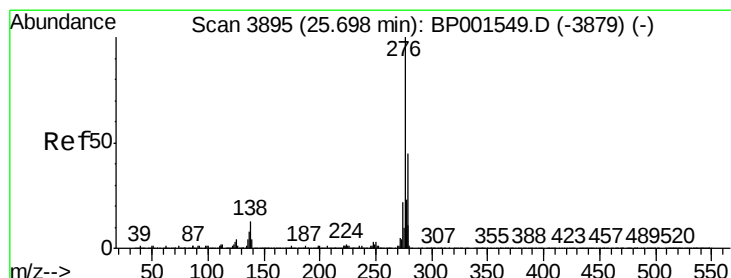
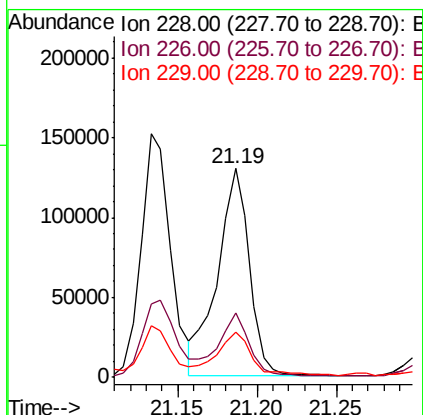
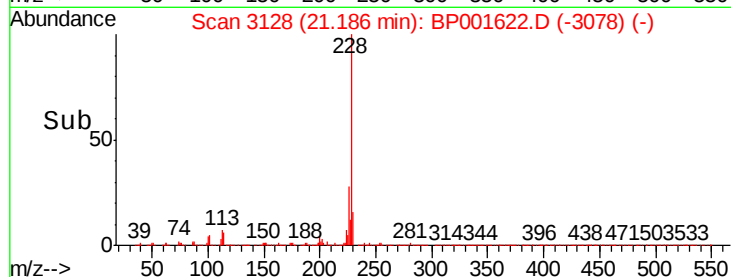
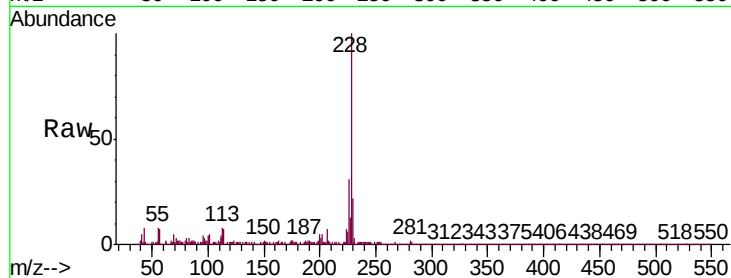
Tgt Ion:228 Resp: 182798

Ion Ratio Lower Upper

228 100

226 30.7 23.2 34.8

229 21.7 15.2 22.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.104 ng

RT: 25.64 min Scan# 3885

Delta R.T. -0.02 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

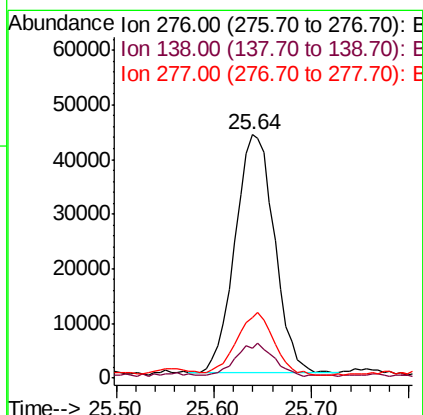
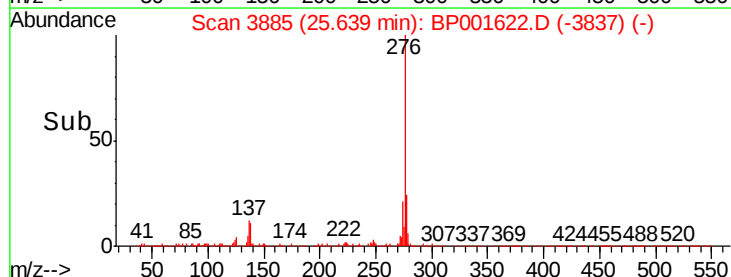
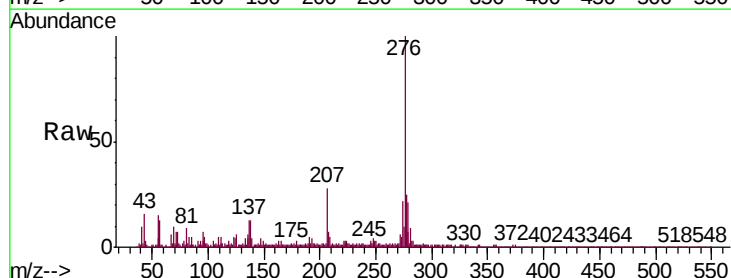
Tgt Ion:276 Resp: 122169

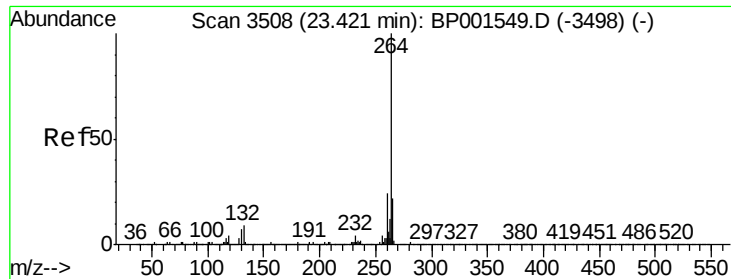
Ion Ratio Lower Upper

276 100

138 13.1 11.1 16.7

277 25.5 20.4 30.6



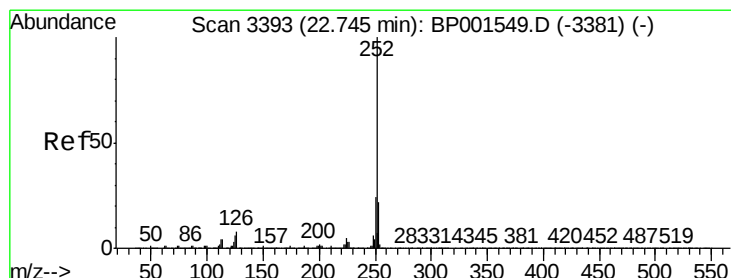
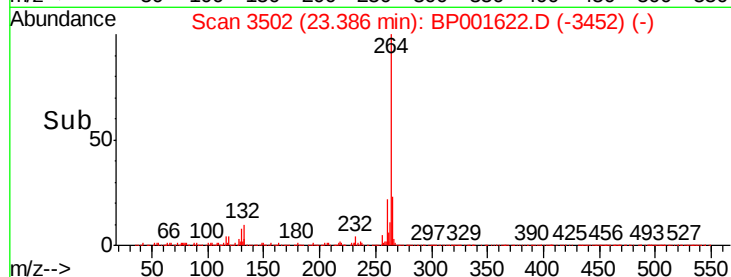
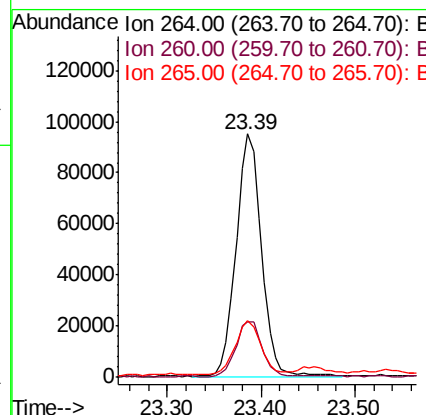
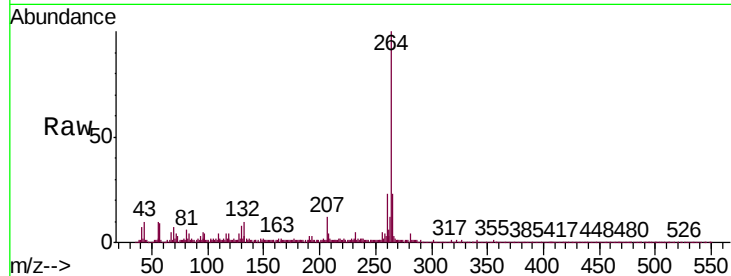


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Instrument :
BNA_P
ClientSampleId :
BW-1-3.0

Tgt Ion: 264 Resp: 177902

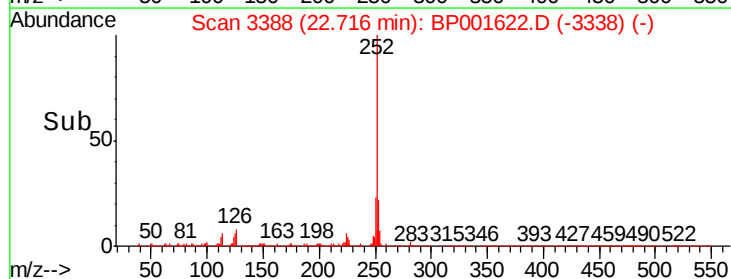
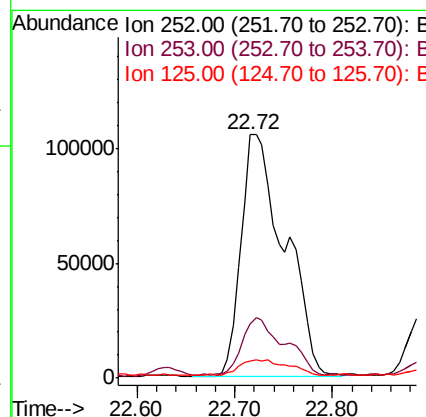
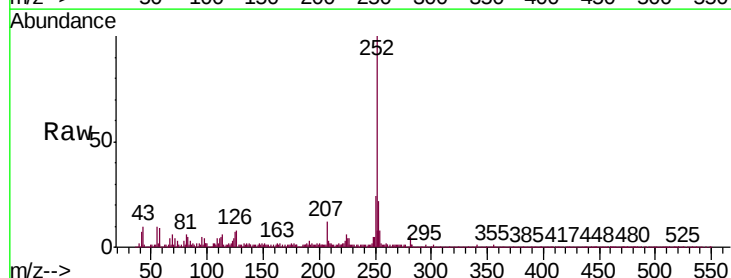
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.6
265	23.5	18.2	27.4

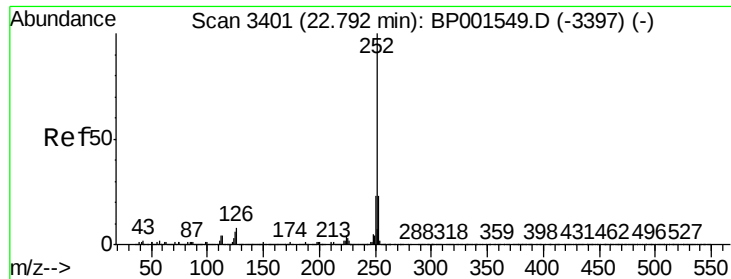


#88
Benzo(b)fluoranthene
Concen: 29.259 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001622.D
Acq: 15 Jan 2020 22:28

Tgt Ion: 252 Resp: 328010

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.1	4.6	7.0#





#89

Benzo(k)fluoranthene

Concen: 30.009 ng

RT: 22.72 min Scan# 3388

Delta R.T. -0.05 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

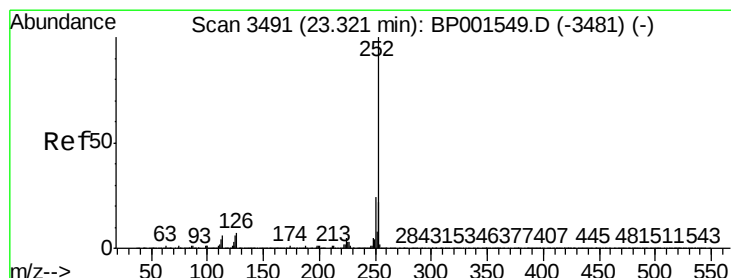
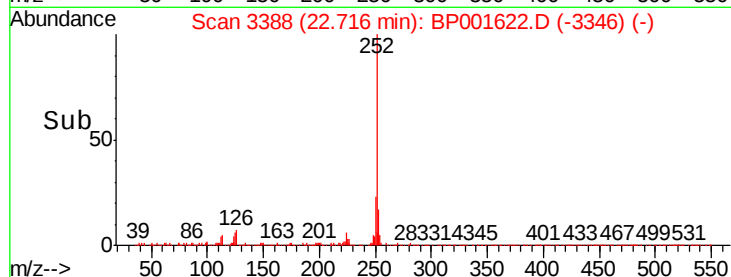
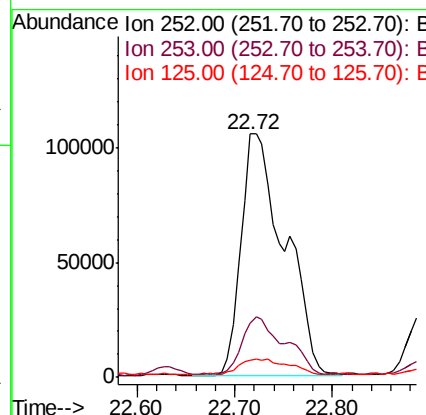
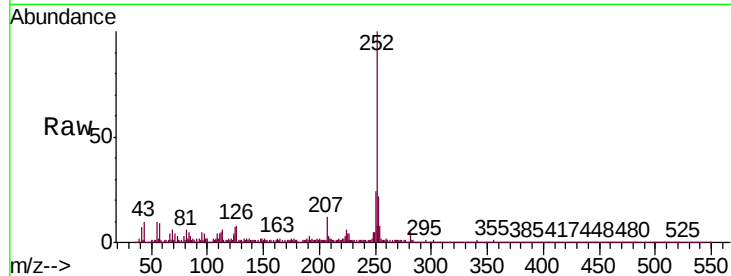
Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

Tgt Ion:	252	Resp:	328010
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	7.1	4.6	6.8#



#90

Benzo(a)pyrene

Concen: 17.505 ng

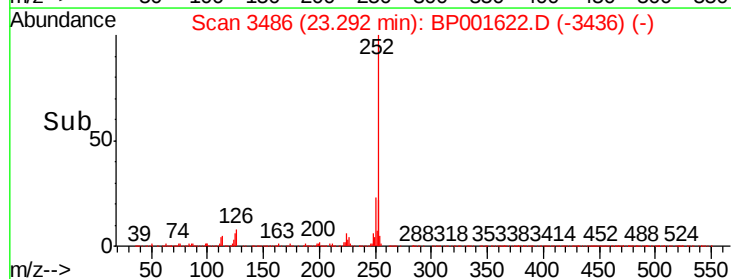
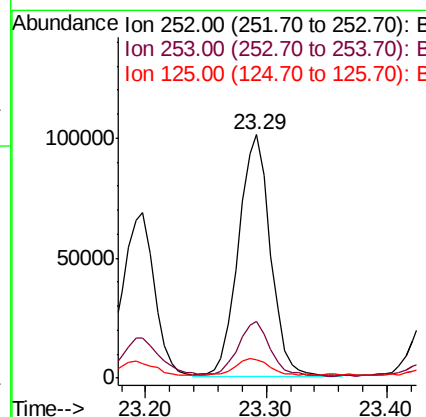
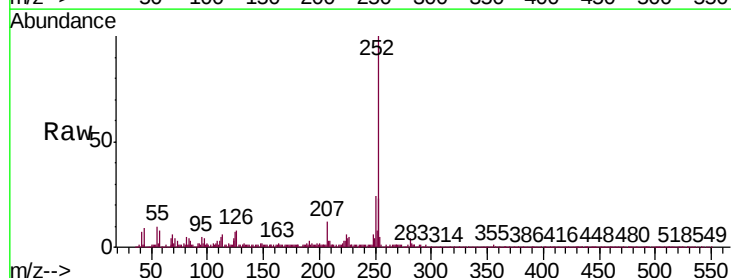
RT: 23.29 min Scan# 3486

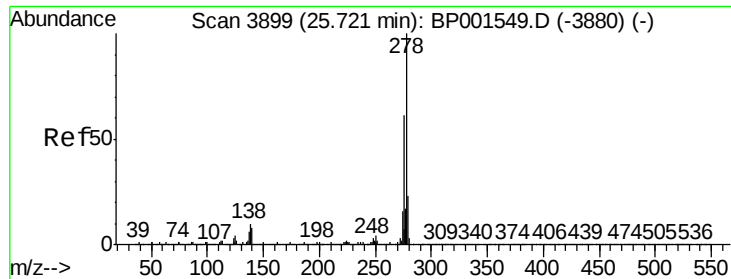
Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Tgt Ion:	252	Resp:	186329
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	7.5	5.0	7.4#





#91

Dibenzo(a,h)anthracene

Concen: 2.662 ng

RT: 25.65 min Scan# 3887

Delta R.T. -0.02 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

Instrument :

BNA_P

ClientSampleId :

BW-1-3.0

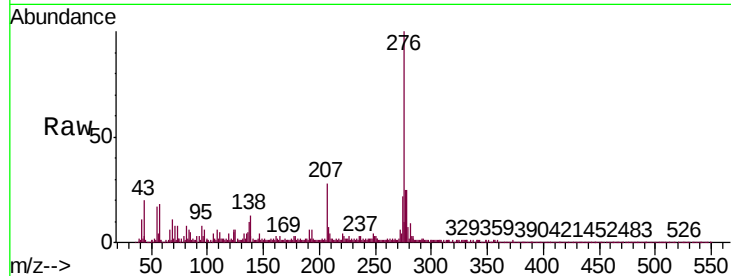
Tgt Ion:278 Resp: 29237

Ion Ratio Lower Upper

278 100

139 12.3 6.7 10.1#

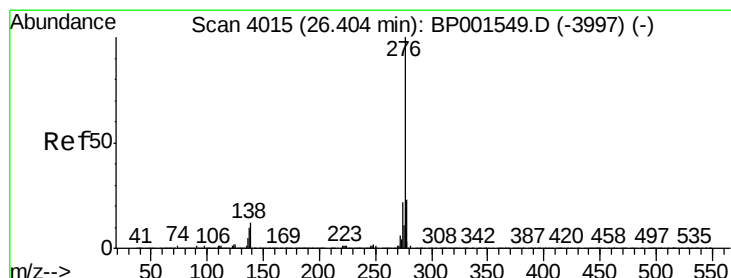
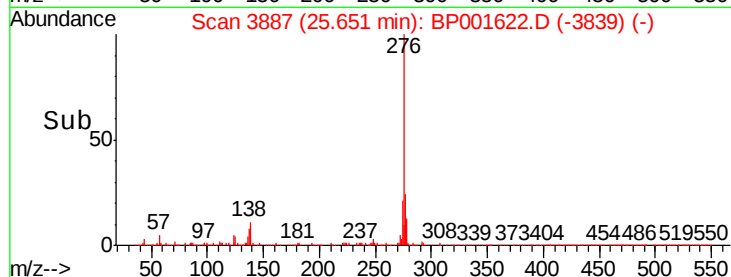
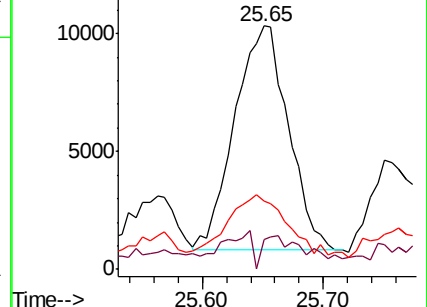
279 28.2 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 11.226 ng

RT: 26.33 min Scan# 4003

Delta R.T. -0.01 min

Lab File: BP001622.D

Acq: 15 Jan 2020 22:28

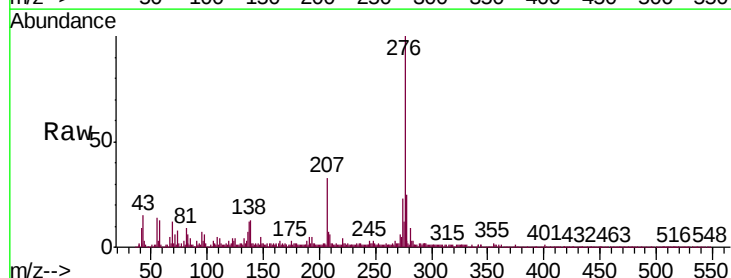
Tgt Ion:276 Resp: 122559

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 13.1 9.4 14.2



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

