

Data File : BP001649.D
Acq On : 17 Jan 2020 03:07
Operator : JU
Sample : L1108-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Quant Time: Jan 17 04:38:47 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	37768	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	145179	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	98176	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	213482	20.00	ng	0.00
76) Chrysene-d12	21.15	240	162718	20.00	ng	0.00
87) Perylene-d12	23.39	264	173350	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	44294	22.97	ng	0.00
7) Phenol-d6	6.83	99	66592	21.61	ng	0.00
23) Nitrobenzene-d5	8.78	82	43202	13.00	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	22696	15.19	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	97099	14.54	ng	0.00
79) Terphenyl-d14	19.63	244	136614	15.36	ng	-0.01

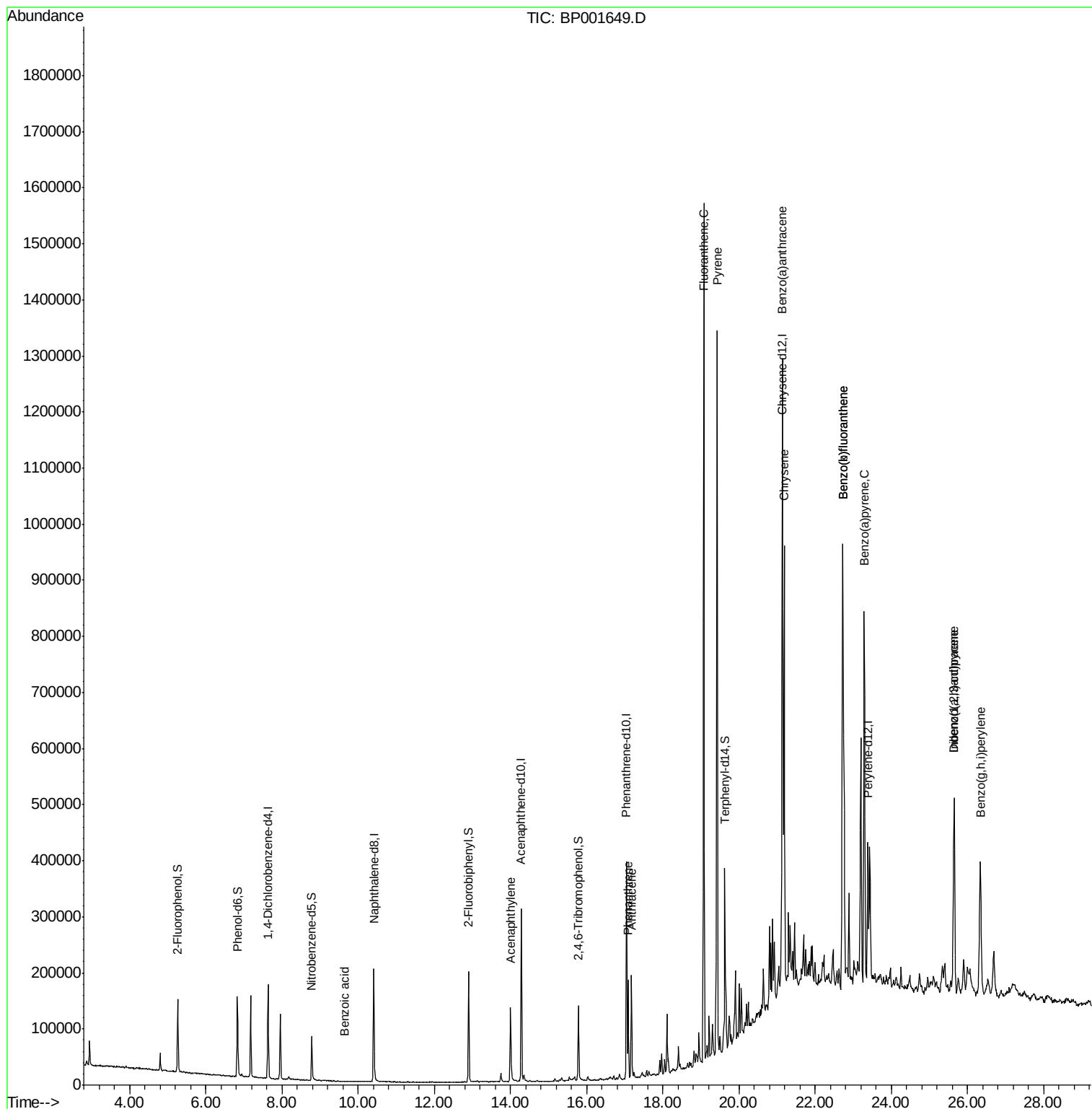
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.64	122	16	4.711	ng	94
49) Acenaphthylene	14.00	152	106243	11.782	ng	99
71) Phenanthrene	17.09	178	97729	8.418	ng	99
72) Anthracene	17.18	178	113111	10.008	ng	98
75) Fluoranthene	19.07	202	869957	56.947	ng	100
78) Pyrene	19.43	202	799236	66.865	ng	99
81) Benzo(a)anthracene	21.14	228	477073	42.099	ng	94
83) Chrysene	21.19	228	428516	38.801	ng	96
86) Indeno(1,2,3-cd)pyrene	25.65	276	333187	25.773	ng	99
88) Benzo(b)fluoranthene	22.73	252	705118	64.550	ng	99
89) Benzo(k)fluoranthene	22.73	252	705118	66.205	ng	99
90) Benzo(a)pyrene	23.29	252	499894	48.198	ng	97
91) Dibenzo(a,h)anthracene	25.65	278	77889	7.279	ng	# 90
92) Benzo(g,h,i)perylene	26.34	276	303080	28.490	ng	97

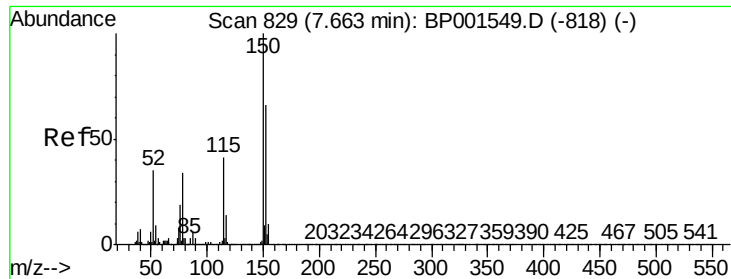
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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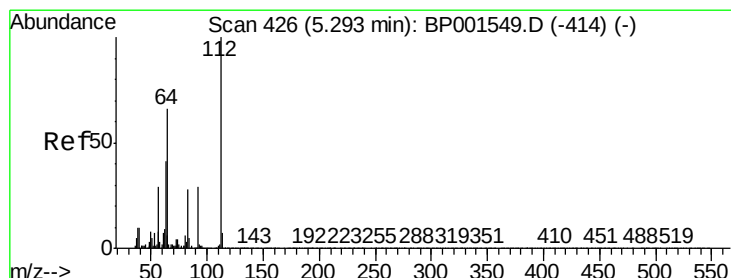
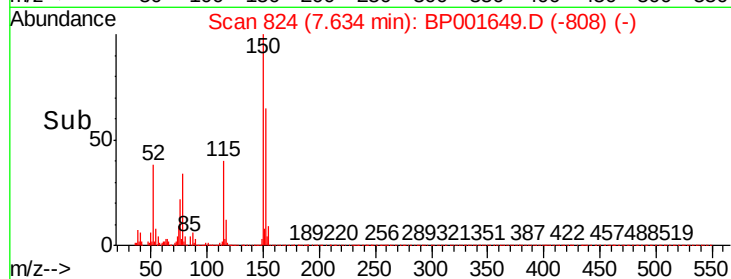
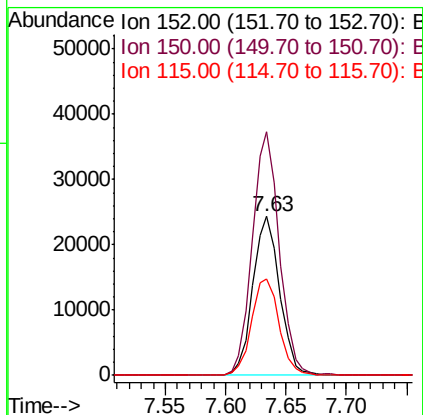
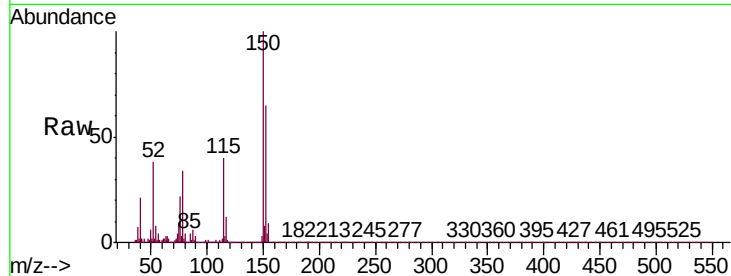


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

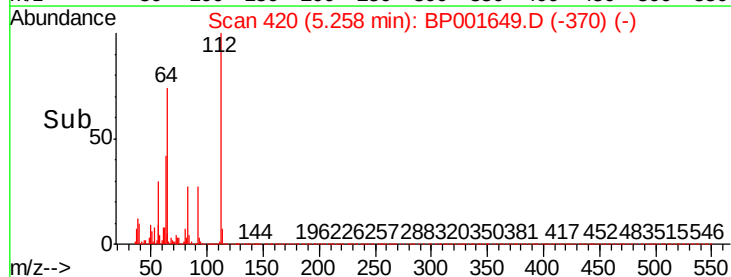
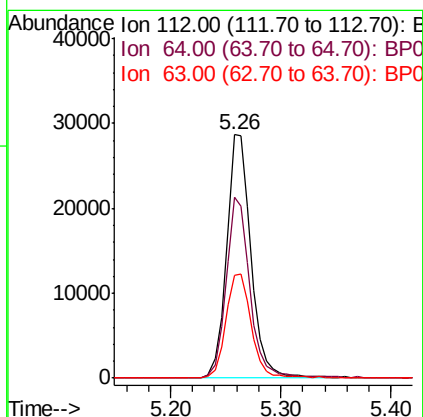
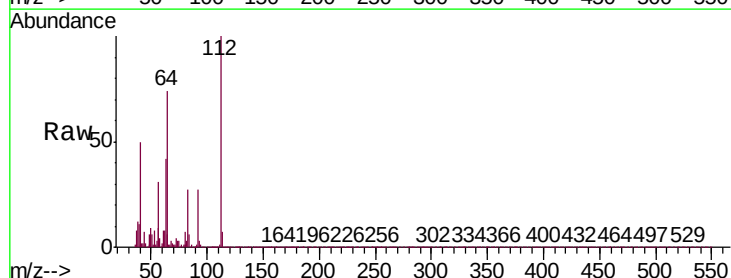
Tgt Ion:152 Resp: 37768
Ion Ratio Lower Upper
152 100
150 153.2 122.0 183.0
115 61.0 50.7 76.1

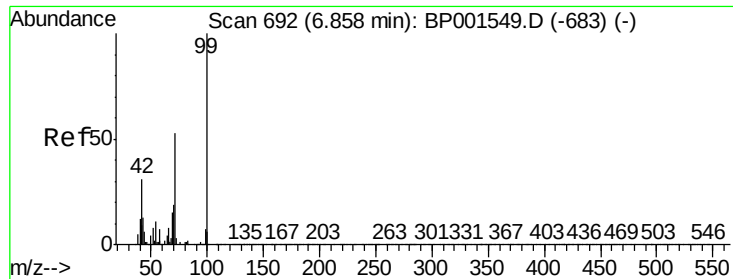


#5

2-Fluorophenol
Concen: 22.974 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion:112 Resp: 44294
Ion Ratio Lower Upper
112 100
64 74.2 52.8 79.2
63 42.3 33.1 49.7





#7

Phenol-d6

Concen: 21.611 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

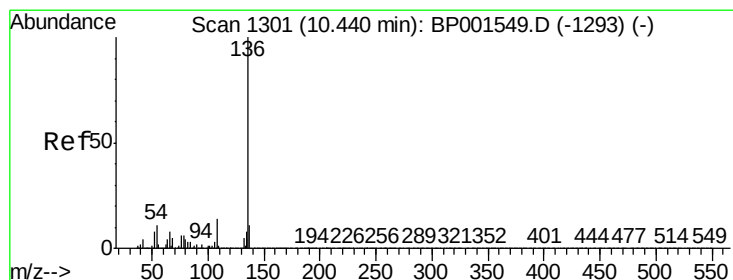
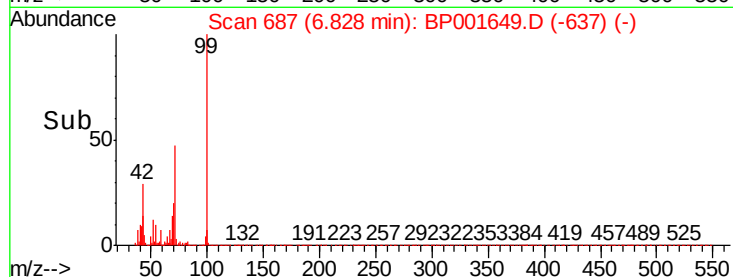
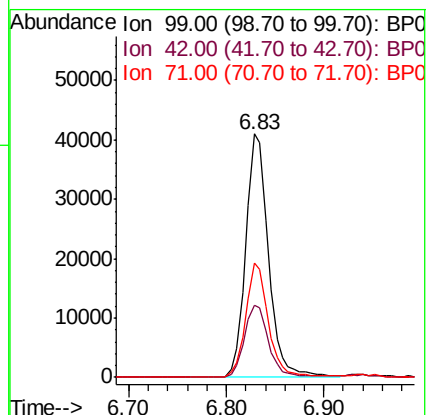
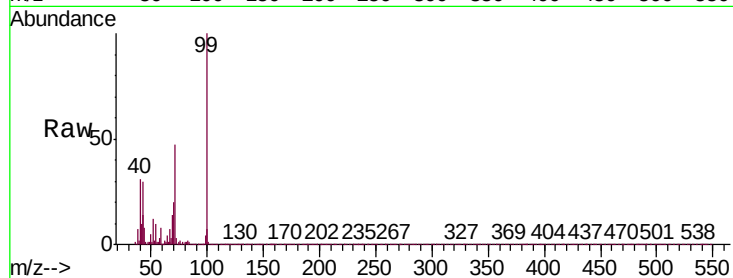
Tgt Ion: 99 Resp: 66592

Ion Ratio Lower Upper

99 100

42 29.8 24.5 36.7

71 46.8 42.4 63.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.41 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Tgt Ion: 136 Resp: 145179

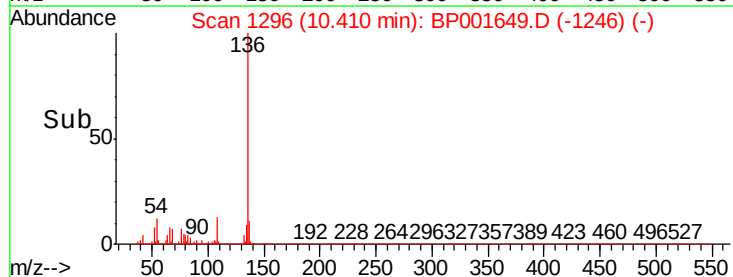
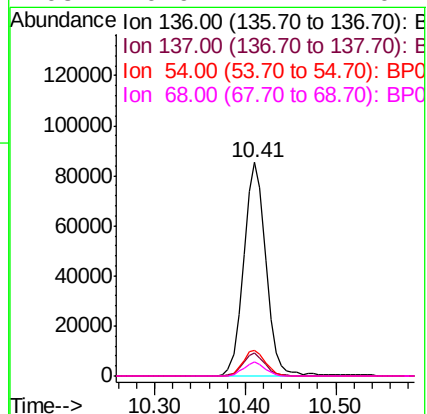
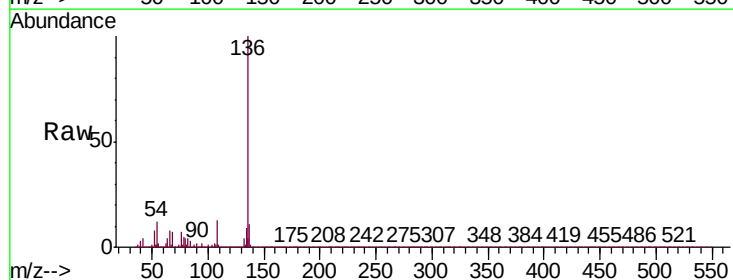
Ion Ratio Lower Upper

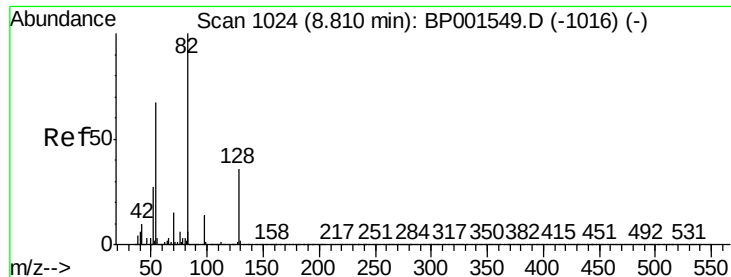
136 100

137 10.8 8.6 12.8

54 12.3 9.2 13.8

68 6.9 4.1 6.1#

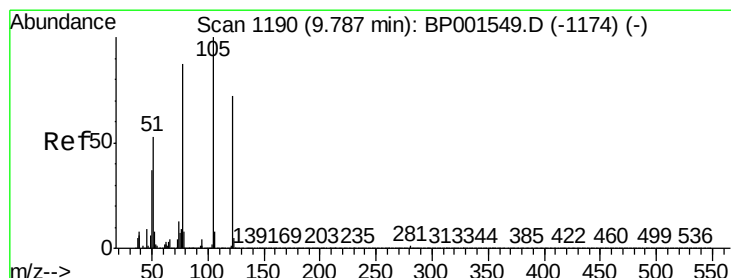
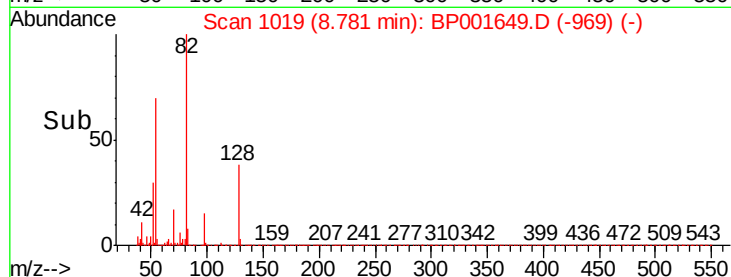
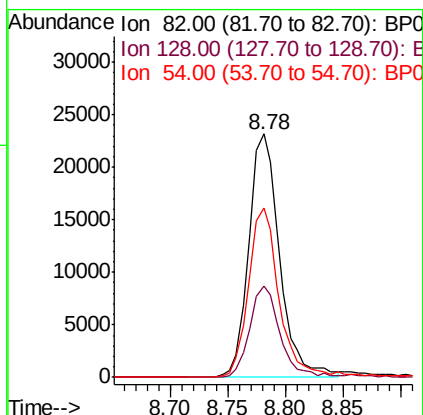
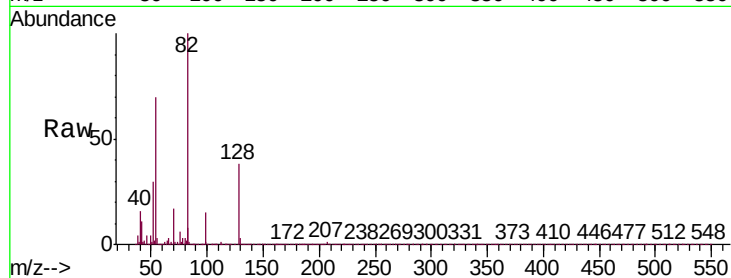




#23
 Nitrobenzene-d5
 Concen: 13.003 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001649.D
 Acq: 17 Jan 2020 03:07

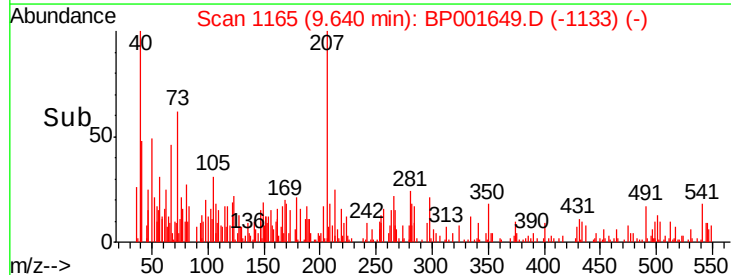
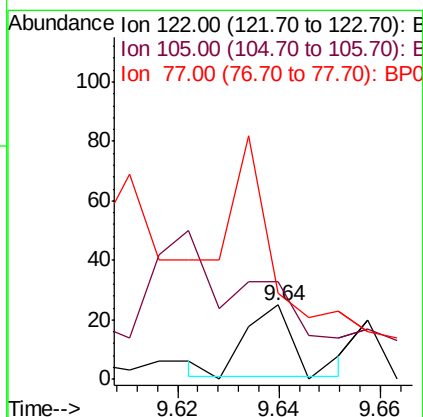
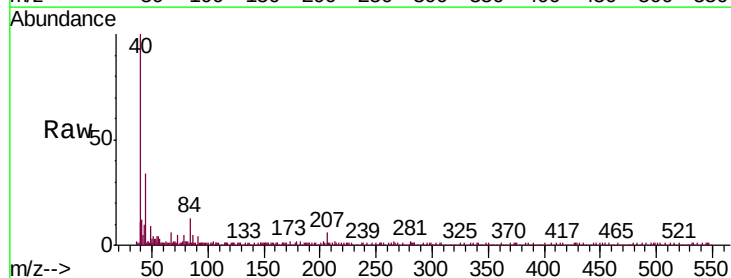
Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

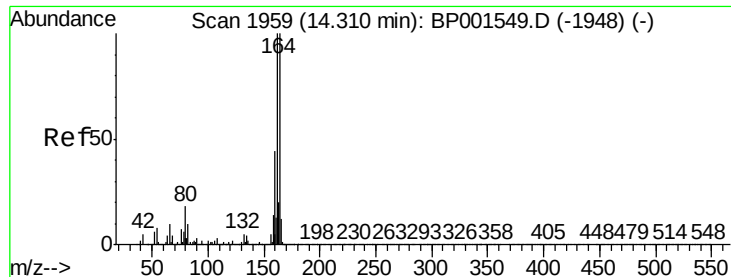
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.6	28.4	42.6
54	69.6	53.4	80.2



#32
 Benzoic acid
 Concen: 4.711 ng
 RT: 9.64 min Scan# 1165
 Delta R.T. -0.11 min
 Lab File: BP001649.D
 Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	132.0	119.5	159.5
77	116.0	102.8	142.8

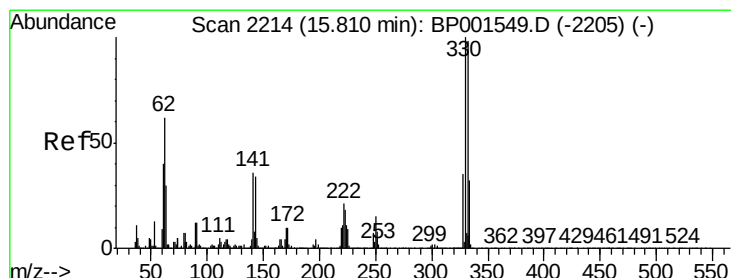
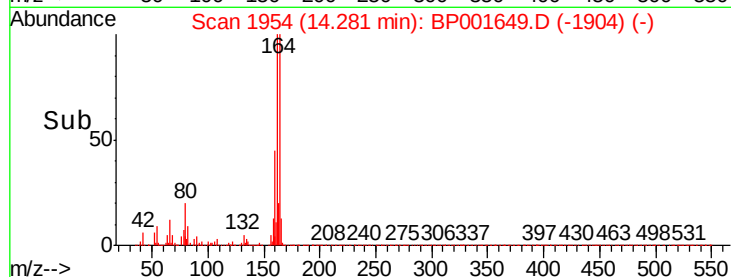
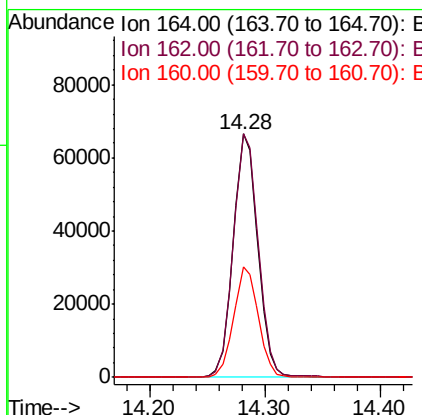
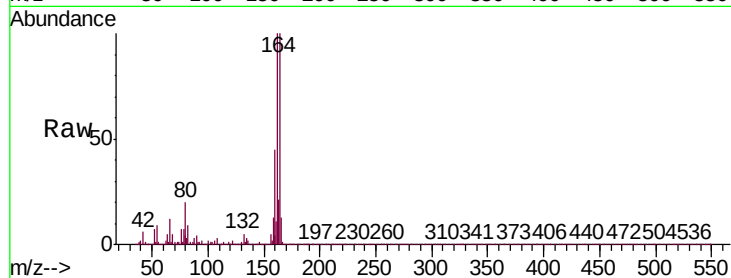




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

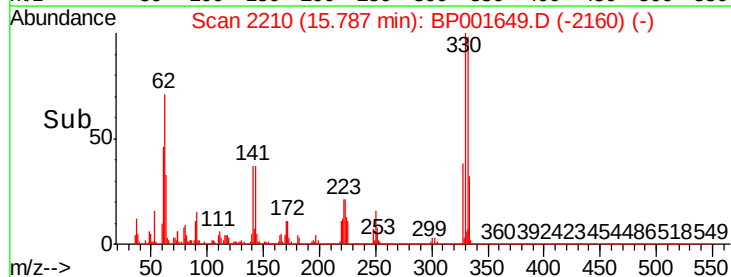
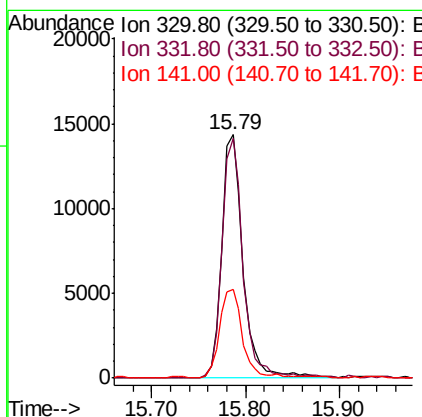
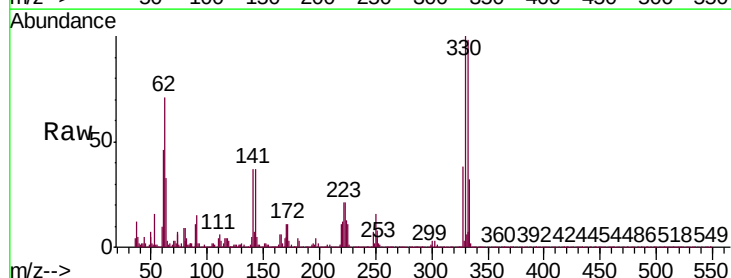
Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

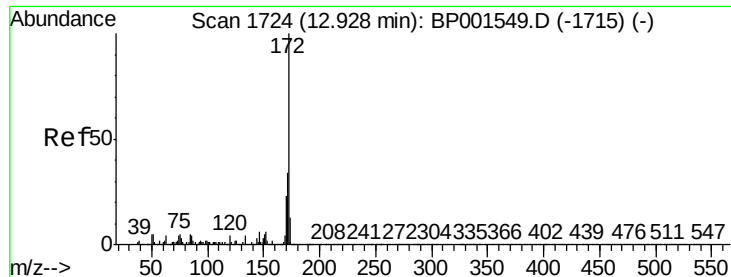
Tgt Ion:164 Resp: 98176
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.6
160 45.3 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 15.187 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion:330 Resp: 22696
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.6
141 39.2 28.7 43.1

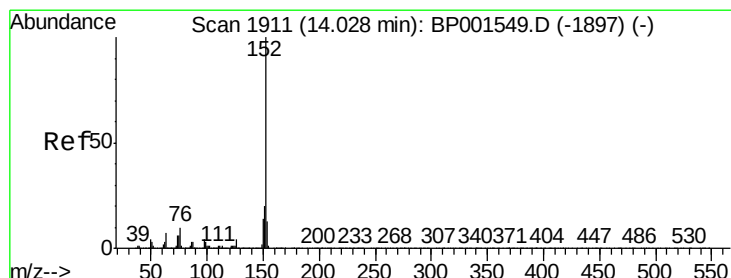
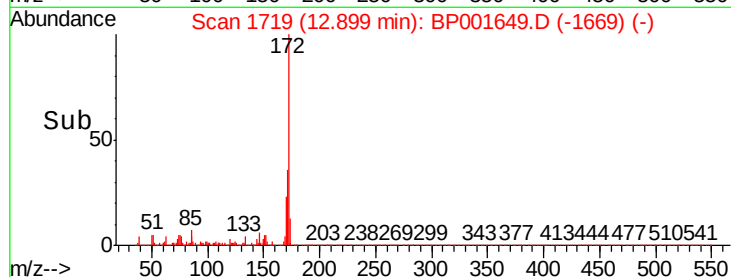
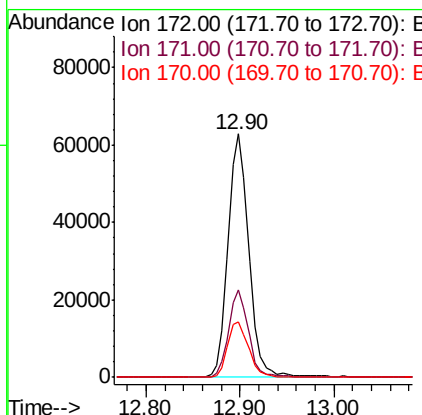
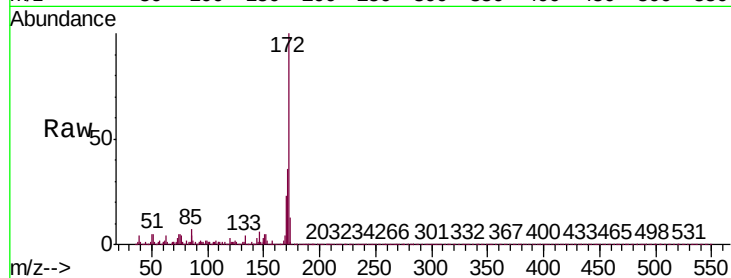




#45
2-Fluorobiphenyl
Concen: 14.541 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

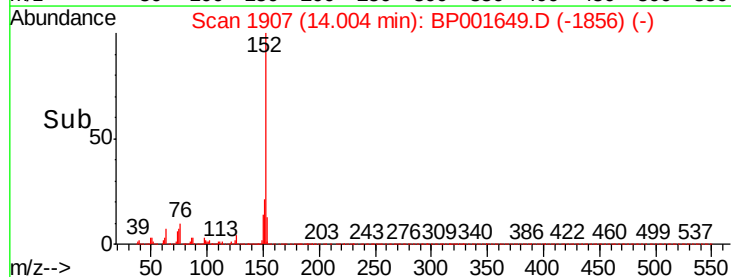
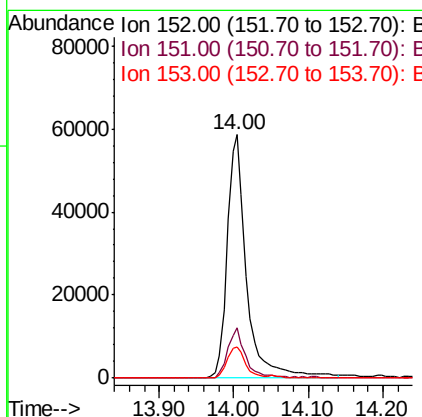
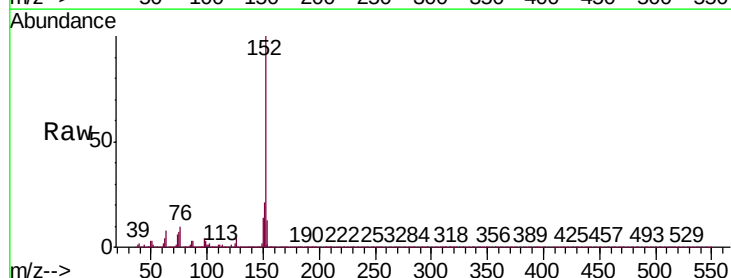
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BNA_P
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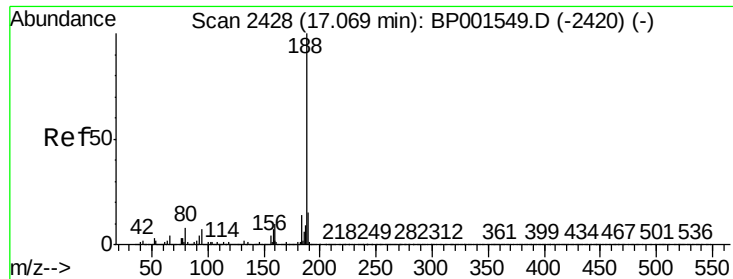
Tgt Ion:	172	Resp:	97099
Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.6	41.4
170	22.8	18.3	27.5



#49
Acenaphthylene
Concen: 11.782 ng
RT: 14.00 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion:	152	Resp:	106243
Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.9	23.9
153	12.7	10.4	15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

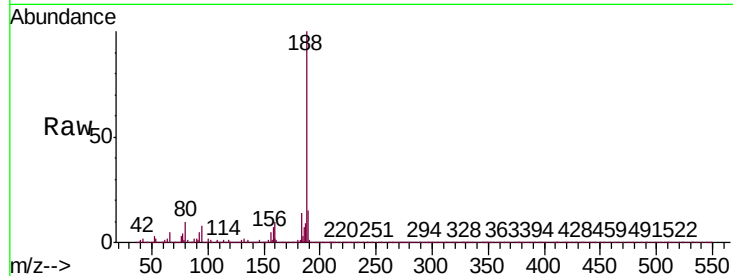
Tgt Ion:188 Resp: 213482

Ion Ratio Lower Upper

188 100

94 7.9 5.9 8.9

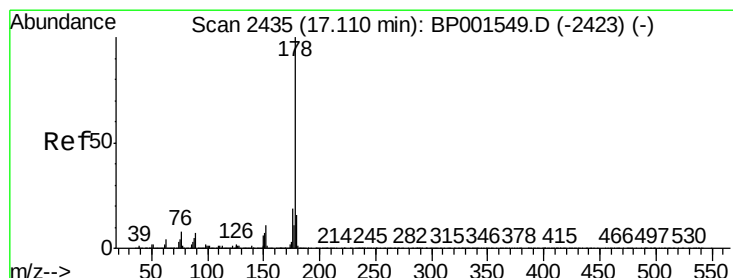
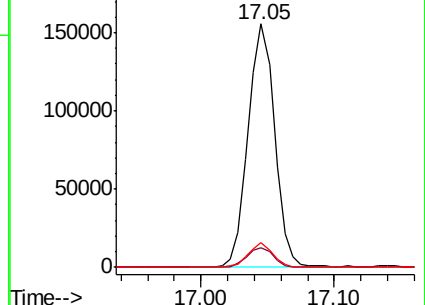
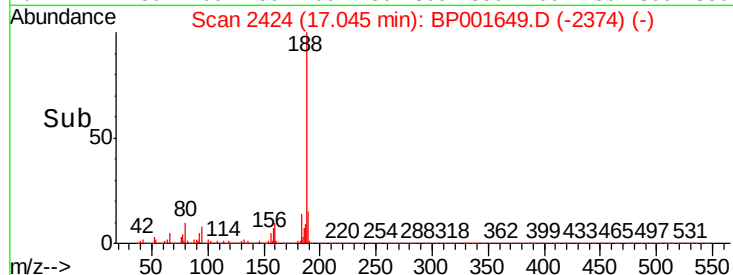
80 10.1 6.8 10.2



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



#71

Phenanthrene

Concen: 8.418 ng

RT: 17.09 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

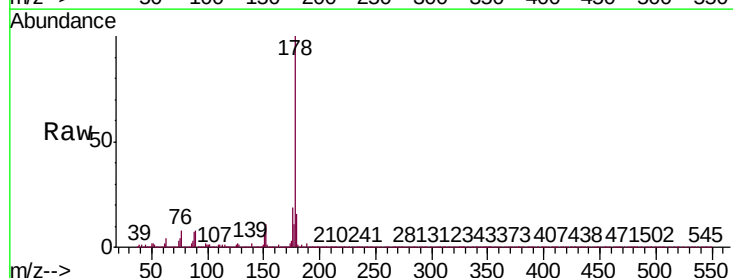
Tgt Ion:178 Resp: 97729

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

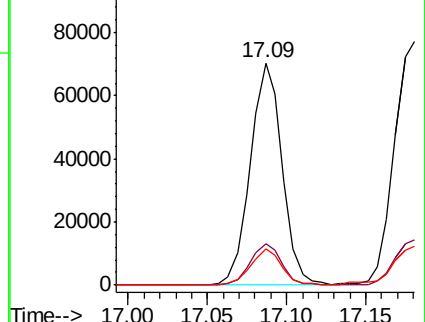
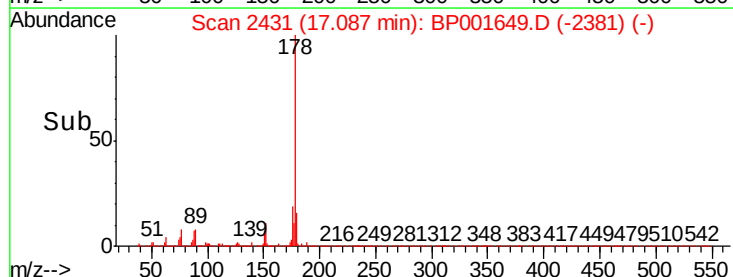
179 16.4 12.5 18.7

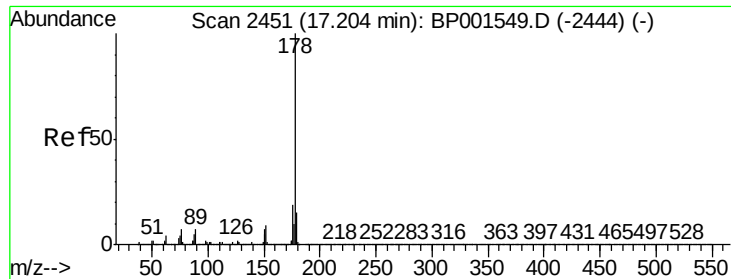


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 10.008 ng

RT: 17.18 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

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ClientSampleId :

INWOOD-BH-03-B

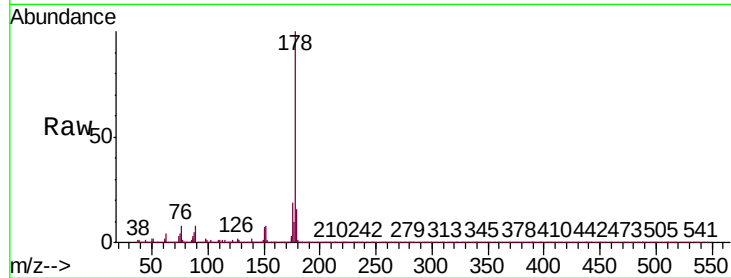
Tgt Ion:178 Resp: 113111

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

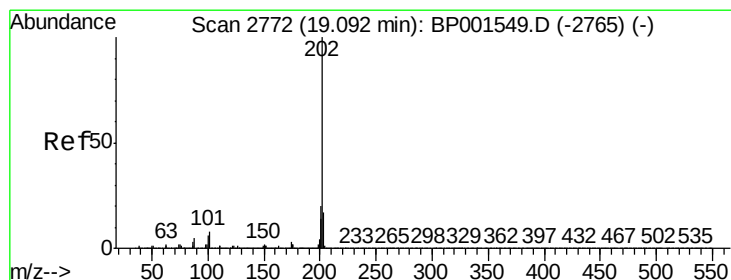
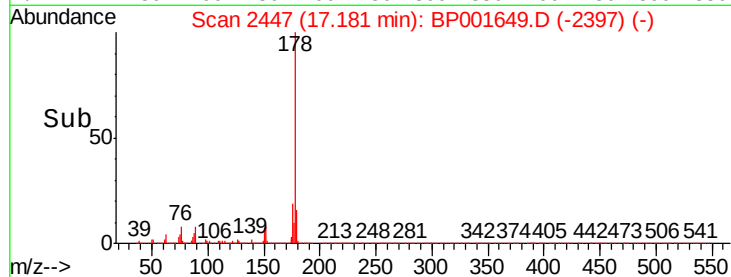
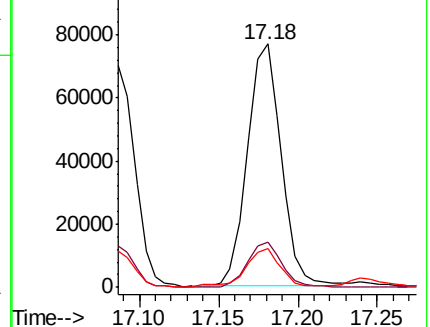
179 16.1 11.8 17.8



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: 56.947 ng

RT: 19.07 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

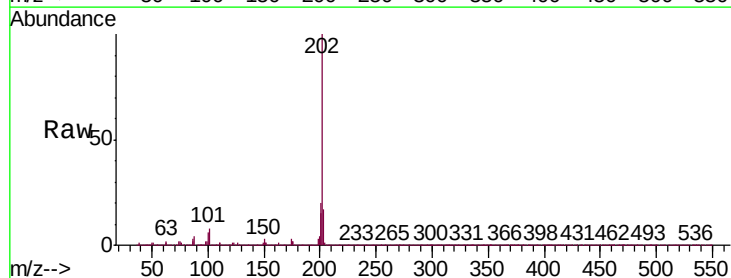
Tgt Ion:202 Resp: 869957

Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.4

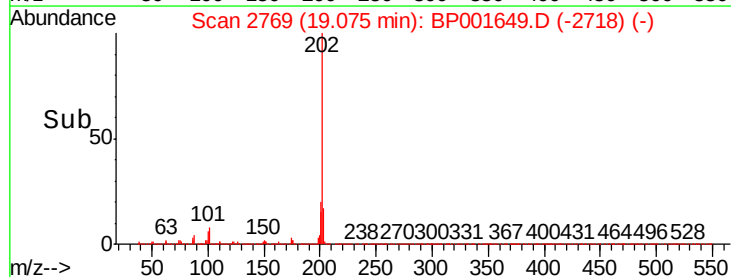
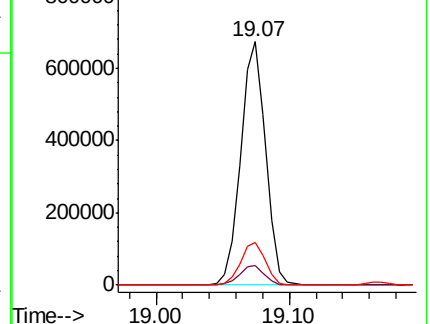
203 17.4 0.0 37.4

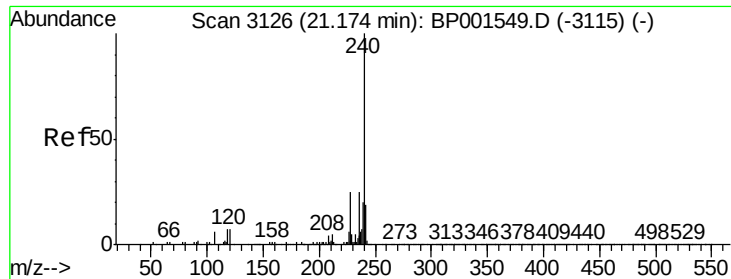


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

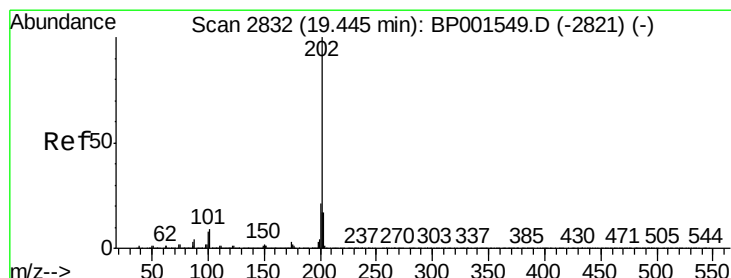
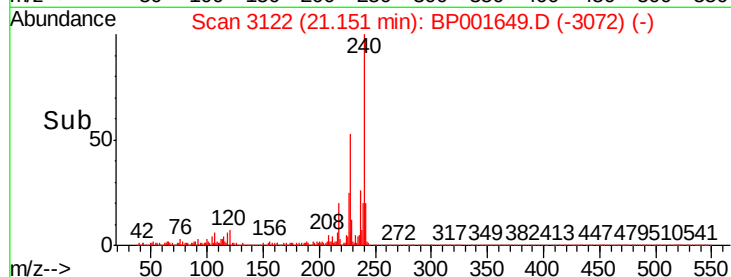
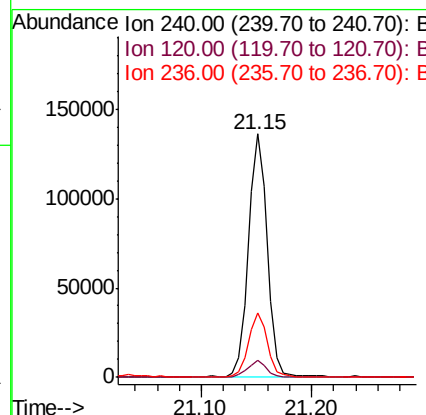
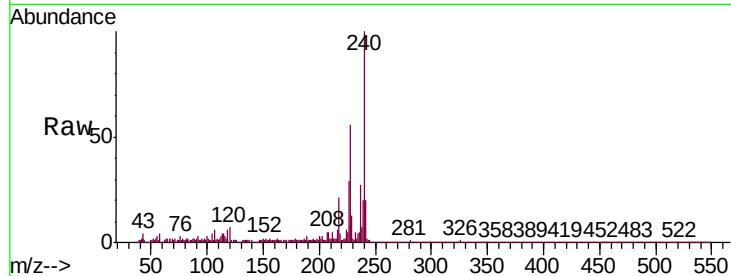




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

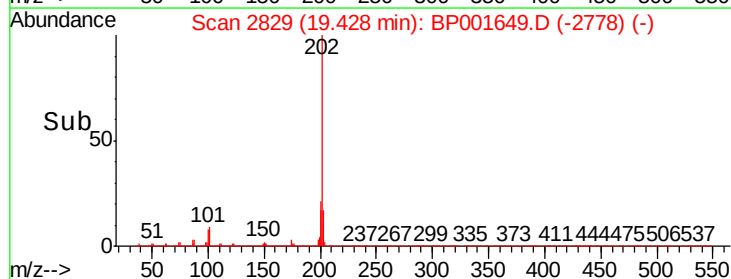
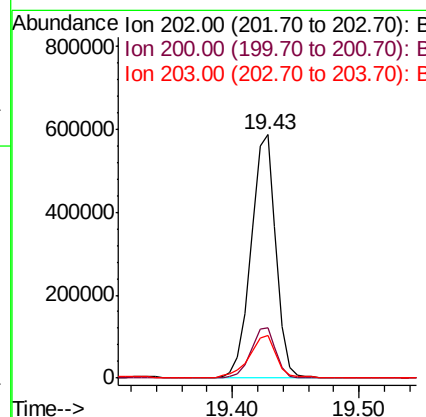
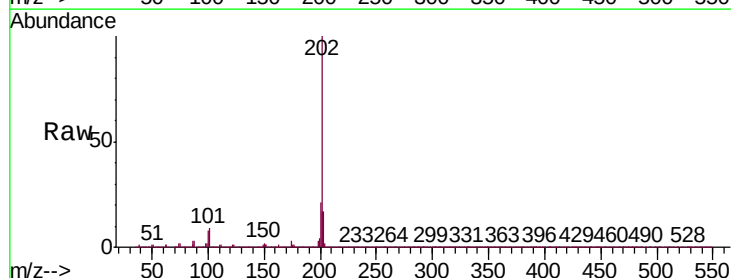
Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

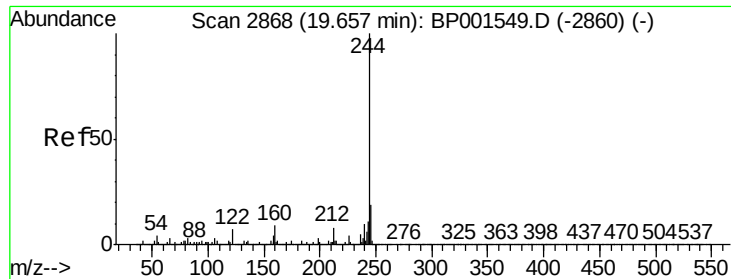
Tgt Ion:240 Resp: 162718
Ion Ratio Lower Upper
240 100
120 7.1 5.7 8.5
236 26.5 20.4 30.6



#78
Pyrene
Concen: 66.865 ng
RT: 19.43 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion:202 Resp: 799236
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 17.4 13.7 20.5





#79

Terphenyl-d14

Concen: 15.356 ng

RT: 19.63 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

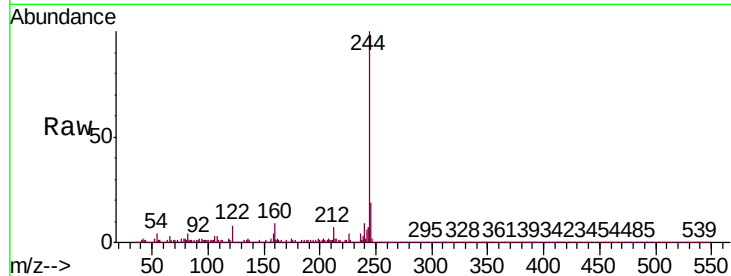
Tgt Ion:244 Resp: 136614

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

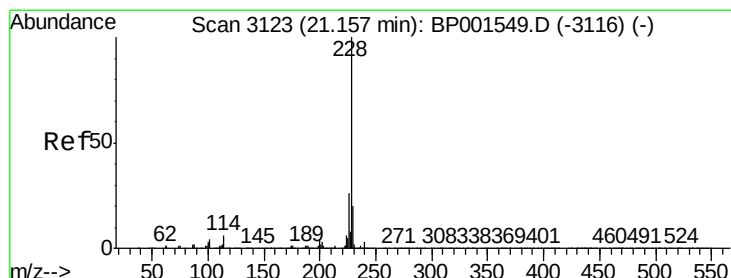
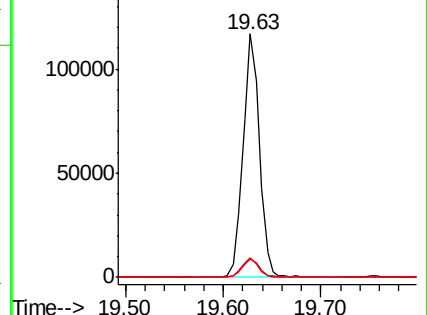
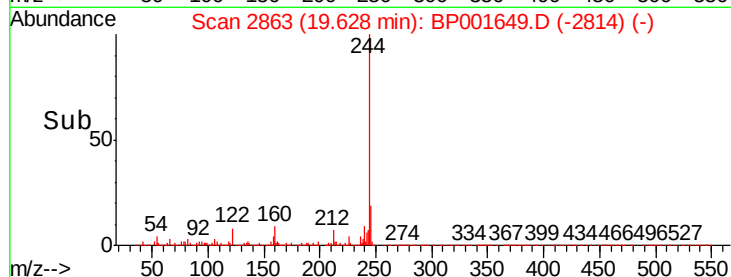
122 7.9 5.8 8.6



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: 42.099 ng

RT: 21.14 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

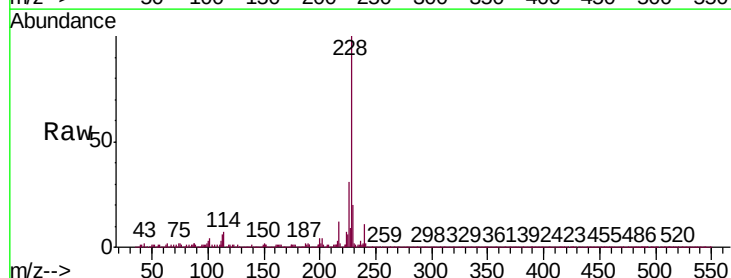
Tgt Ion:228 Resp: 477073

Ion Ratio Lower Upper

228 100

226 31.4 21.2 31.8

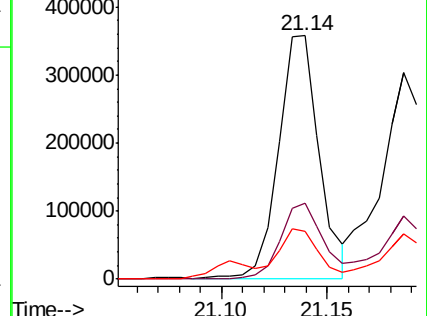
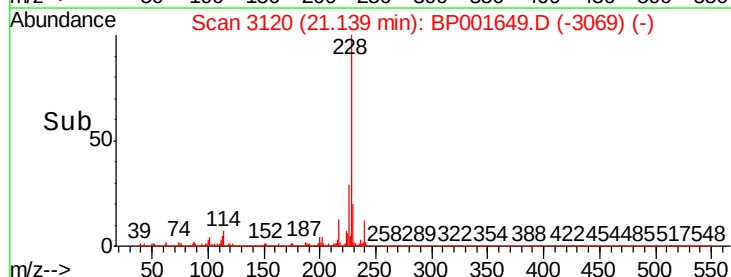
229 19.8 16.1 24.1

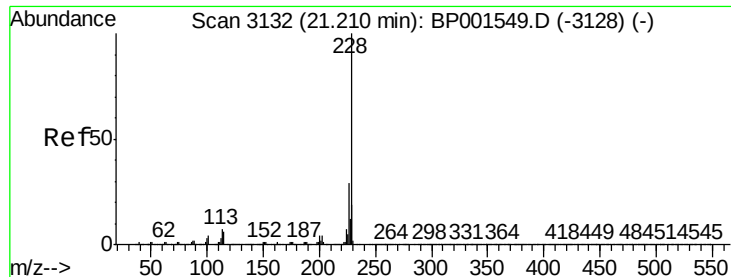


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

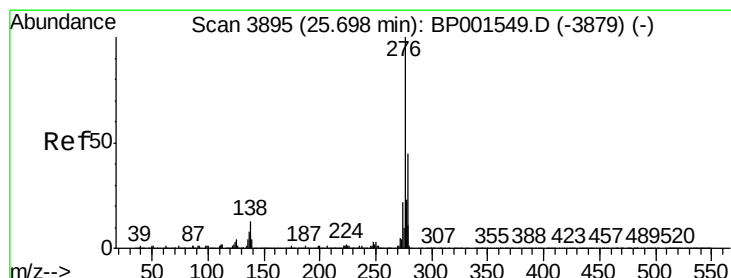
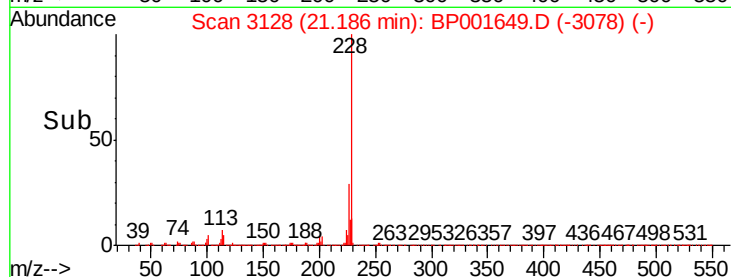
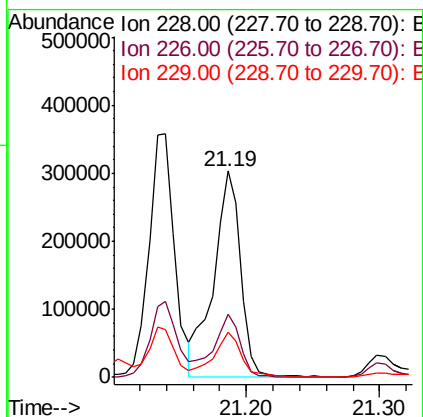
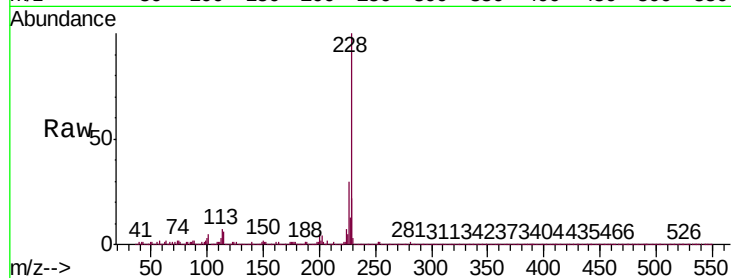




#83
 Chrysene
 Concen: 38.801 ng
 RT: 21.19 min Scan# 3128
 Delta R.T. -0.01 min
 Lab File: BP001649.D
 Acq: 17 Jan 2020 03:07

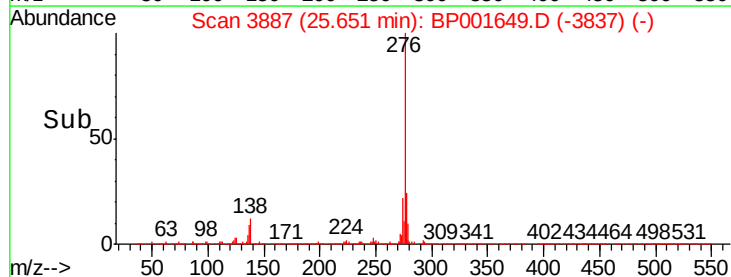
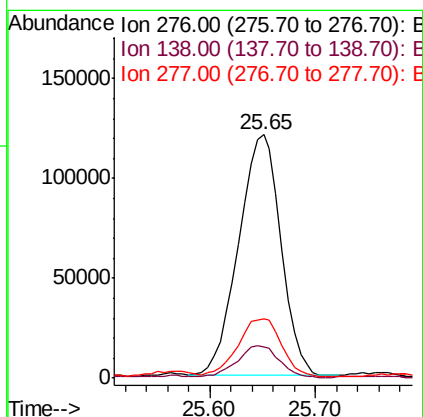
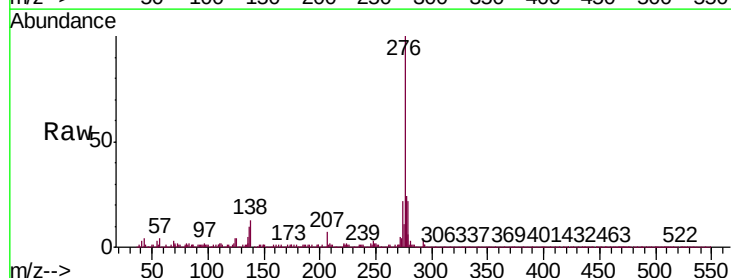
Instrument :
 BNA_P
 ClientSampleId :
 INWOOD-BH-03-B

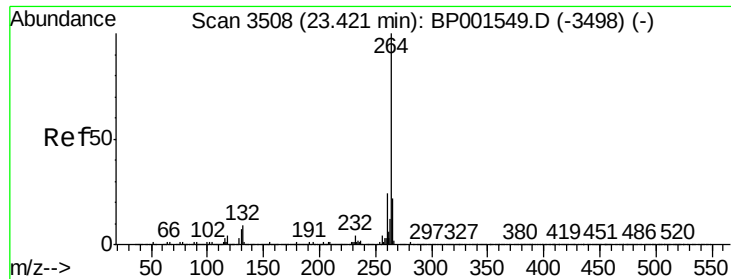
Tgt Ion: 228 Resp: 428516
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.2 34.8
 229 22.0 15.2 22.8



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 25.773 ng
 RT: 25.65 min Scan# 3887
 Delta R.T. -0.01 min
 Lab File: BP001649.D
 Acq: 17 Jan 2020 03:07

Tgt Ion: 276 Resp: 333187
 Ion Ratio Lower Upper
 276 100
 138 13.4 11.1 16.7
 277 25.0 20.4 30.6



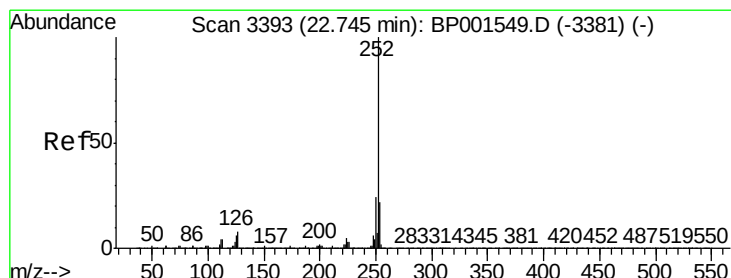
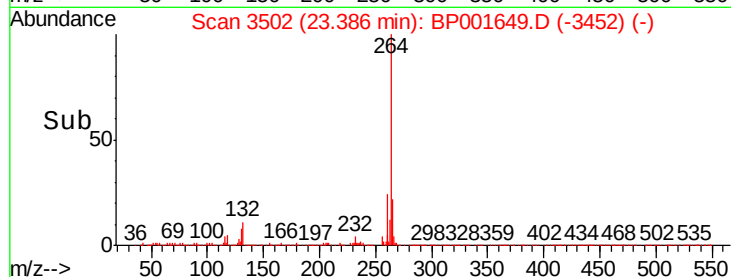
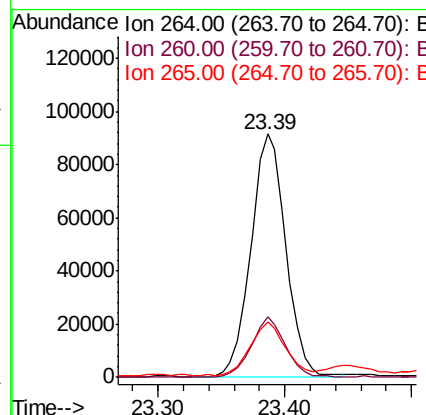
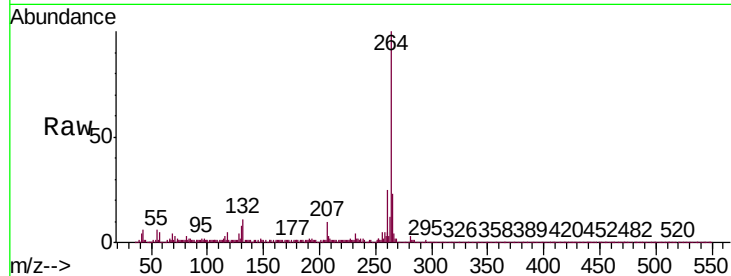


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

Tgt Ion: 264 Resp: 173350

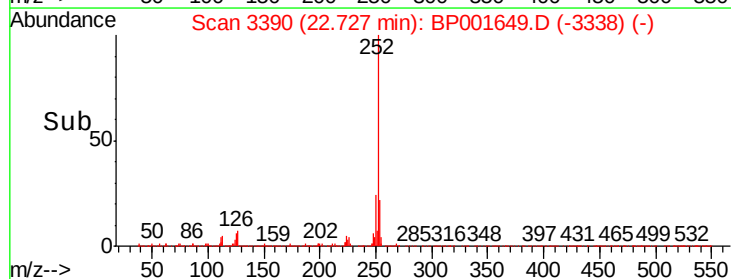
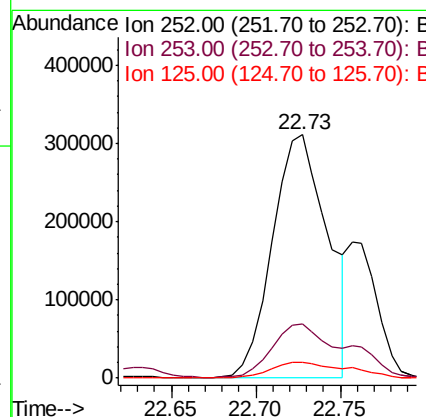
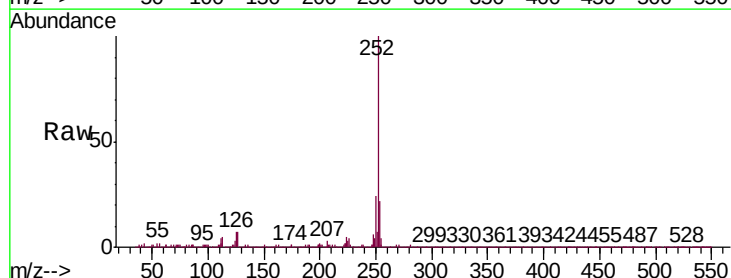
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.6	18.2	27.4

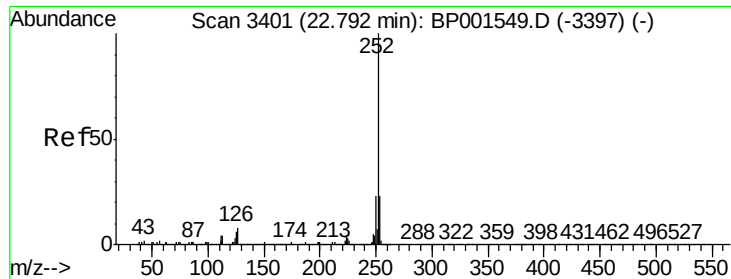


#88
Benzo(b)fluoranthene
Concen: 64.550 ng
RT: 22.73 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion: 252 Resp: 705118

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	6.7	4.6	7.0

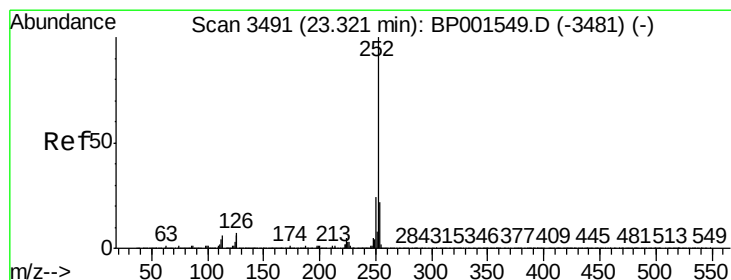
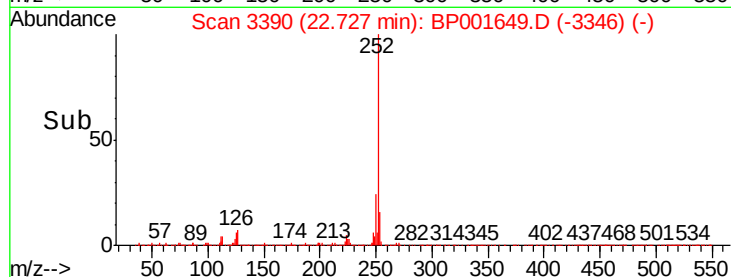
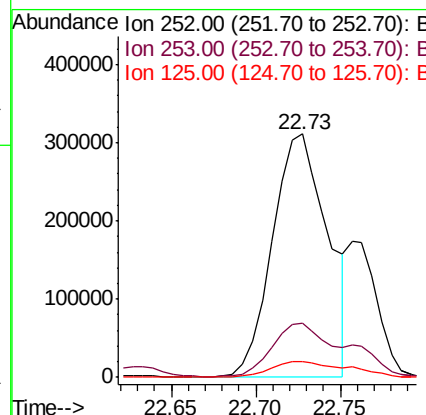
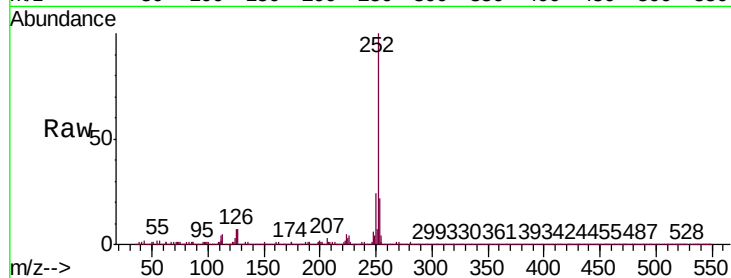




#89
Benzo(k)fluoranthene
Concen: 66.205 ng
RT: 22.73 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

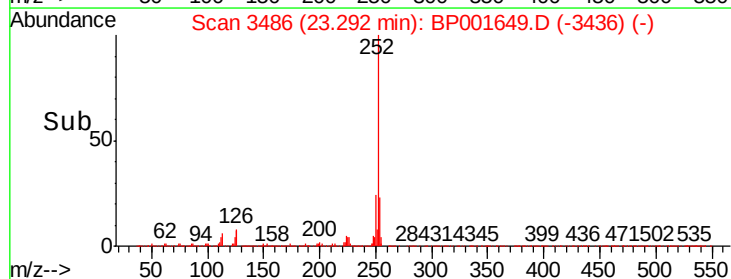
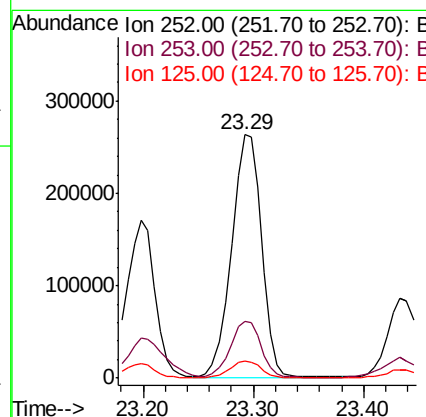
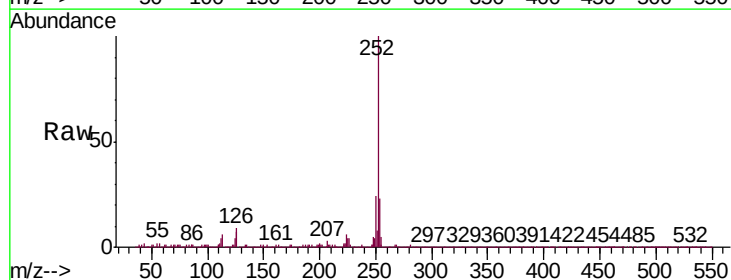
Instrument :
BNA_P
ClientSampleId :
INWOOD-BH-03-B

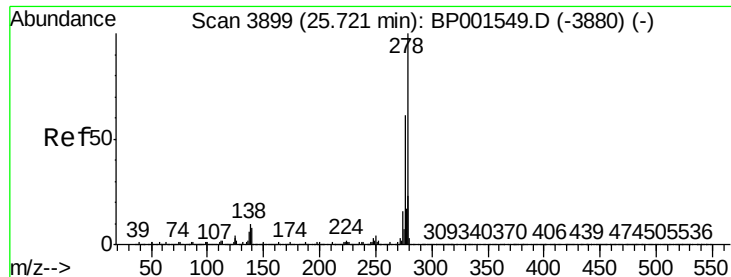
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	6.7	4.6	6.8



#90
Benzo(a)pyrene
Concen: 48.198 ng
RT: 23.29 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BP001649.D
Acq: 17 Jan 2020 03:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	7.1	5.0	7.4





#91

Dibenzo(a,h)anthracene

Concen: 7.279 ng

RT: 25.65 min Scan# 3887

Delta R.T. -0.02 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

Instrument :

BNA_P

ClientSampleId :

INWOOD-BH-03-B

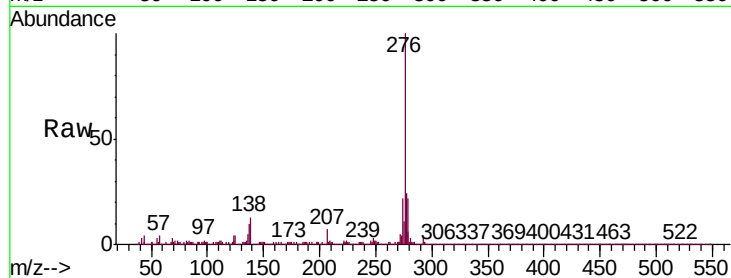
Tgt Ion:278 Resp: 77889

Ion Ratio Lower Upper

278 100

139 0.0 6.7 10.1#

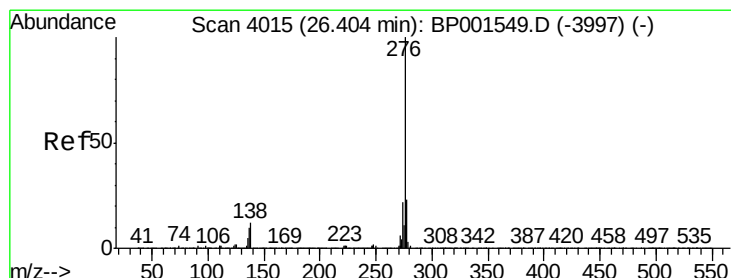
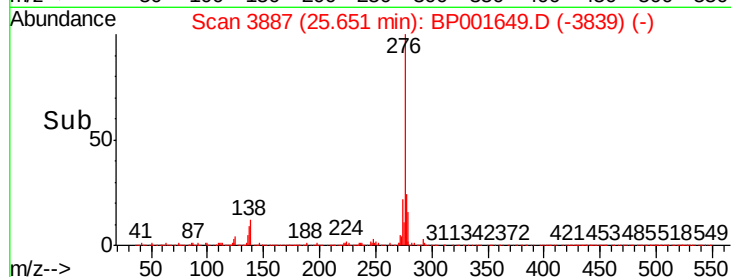
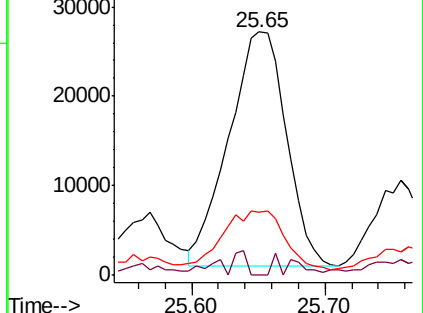
279 25.8 18.6 28.0



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: 28.490 ng

RT: 26.34 min Scan# 4004

Delta R.T. 0.00 min

Lab File: BP001649.D

Acq: 17 Jan 2020 03:07

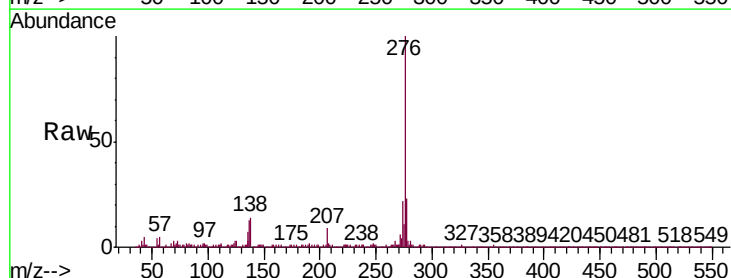
Tgt Ion:276 Resp: 303080

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 14.0 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

