

Data File : BP001645.D
Acq On : 17 Jan 2020 00:53
Operator : JU
Sample : L1006-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-011520

Quant Time: Jan 17 04:37:04 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	42769	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	161304	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	108470	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	240683	20.00	ng	0.00
76) Chrysene-d12	21.15	240	207454	20.00	ng	-0.01
87) Perylene-d12	23.38	264	221082	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	109082	49.96	ng	0.00
7) Phenol-d6	6.83	99	165829	47.52	ng	0.00
23) Nitrobenzene-d5	8.78	82	117396	31.80	ng	-0.01
42) 2,4,6-Tribromophenol	15.79	330	60541	36.67	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	226981	30.77	ng	0.00
79) Terphenyl-d14	19.63	244	343911	30.32	ng	-0.01

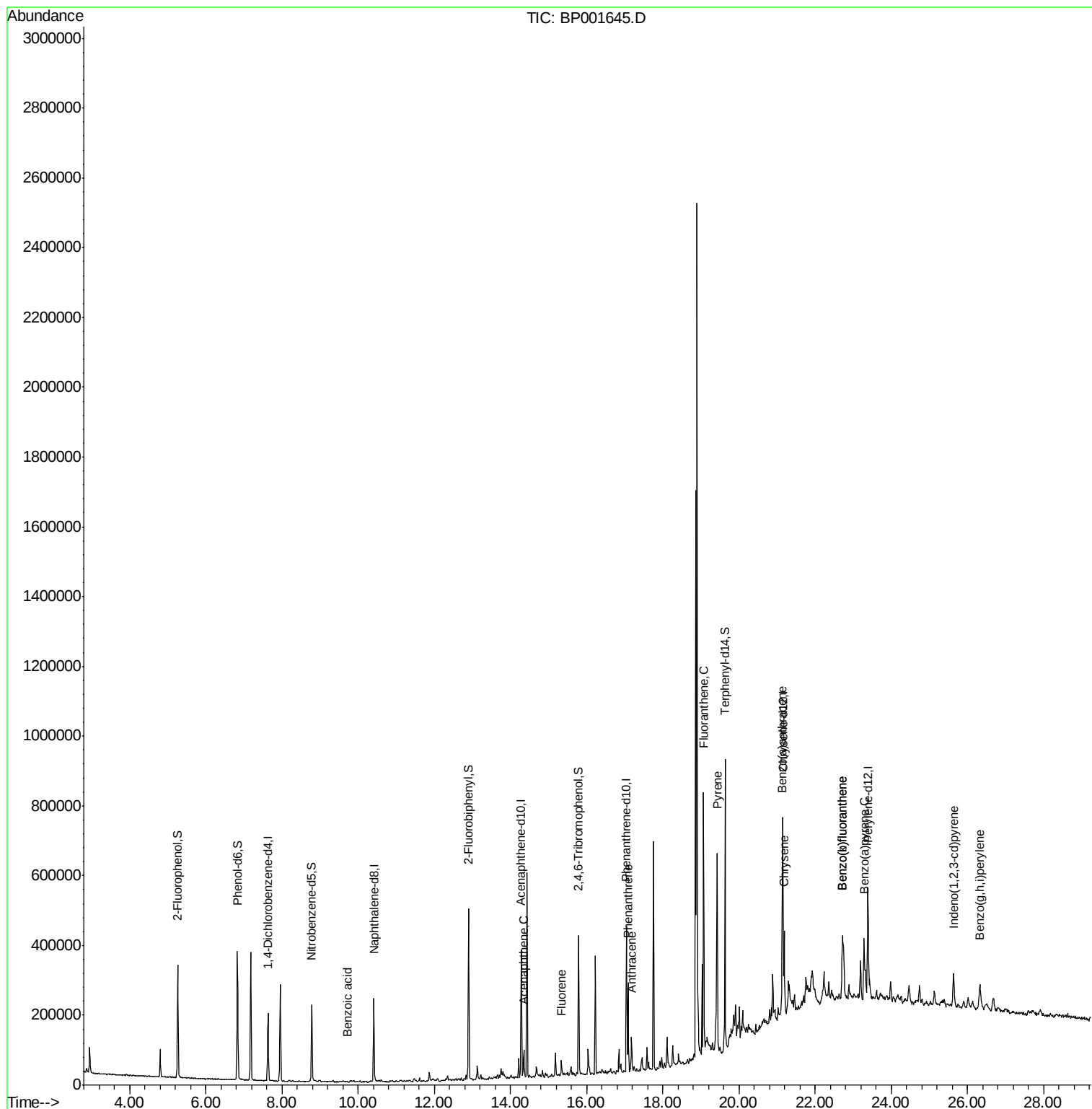
Target Compounds				Qvalue		
32) Benzoic acid	9.72	122	22	4.713	ng	# 1
52) Acenaphthene	14.35	154	24950	4.044	ng	97
58) Fluorene	15.34	166	19260	2.281	ng	91
71) Phenanthrene	17.09	178	140947	10.768	ng	98
72) Anthracene	17.17	178	54367	4.267	ng	97
75) Fluoranthene	19.07	202	414092	24.043	ng	98
78) Pyrene	19.42	202	337261	22.131	ng	98
81) Benzo(a)anthracene	21.13	228	135906	9.407	ng	94
83) Chrysene	21.18	228	127360	9.045	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	74185	4.501	ng	100
88) Benzo(b)fluoranthene	22.71	252	207566	14.899	ng	# 98
89) Benzo(k)fluoranthene	22.71	252	207566	15.281	ng	# 99
90) Benzo(a)pyrene	23.28	252	118393	8.950	ng	# 94
92) Benzo(g,h,i)perylene	26.32	276	80071	5.902	ng	# 98

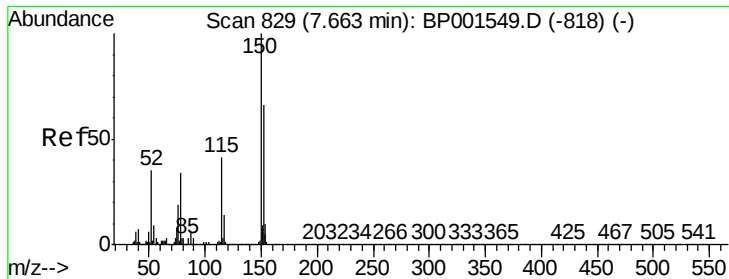
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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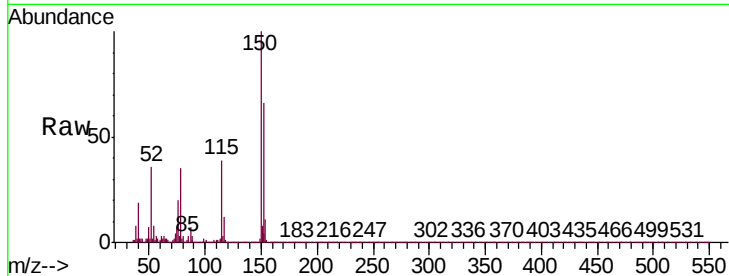


#1

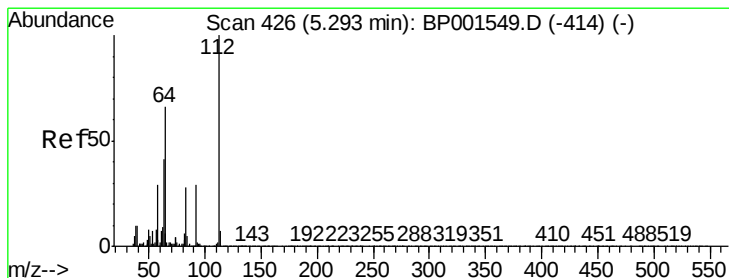
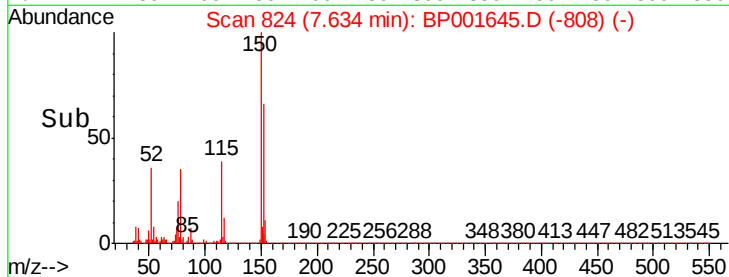
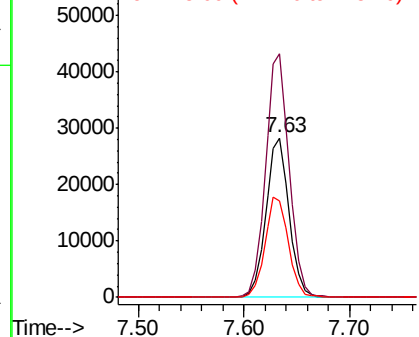
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Instrument :
BNA_P
ClientSampleId :
HD-01-011520

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.0	183.0
115	60.2	50.7	76.1



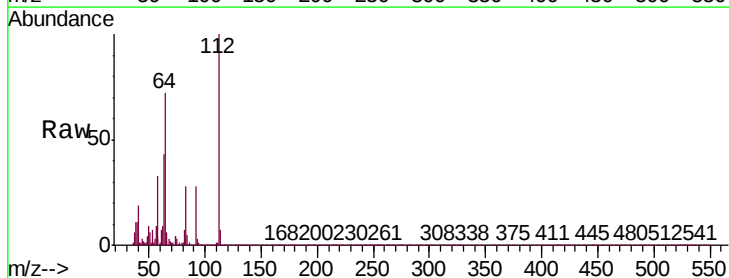
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



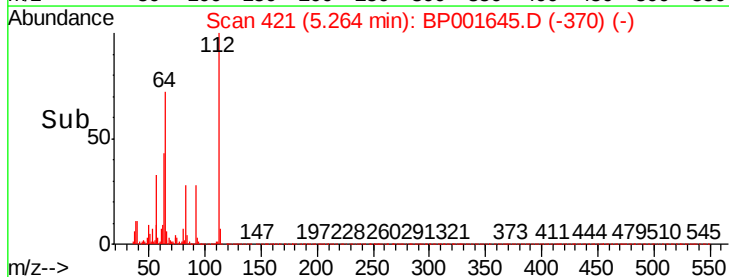
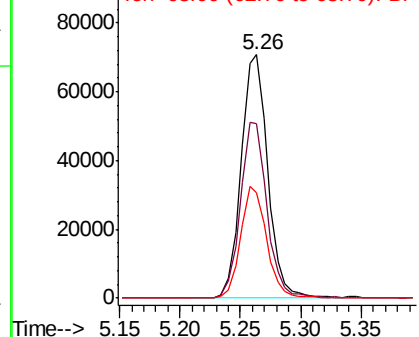
#5

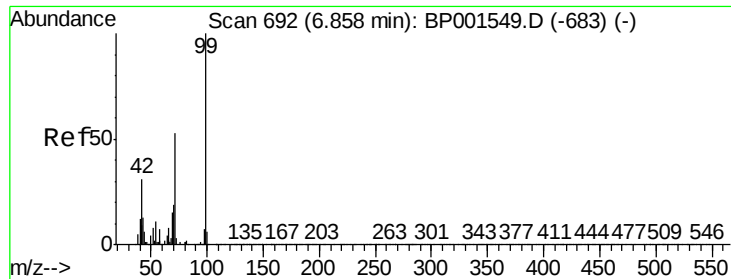
2-Fluorophenol
Concen: 49.962 ng
RT: 5.26 min Scan# 421
Delta R.T. -0.00 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	52.8	79.2
63	43.0	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: 47.524 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

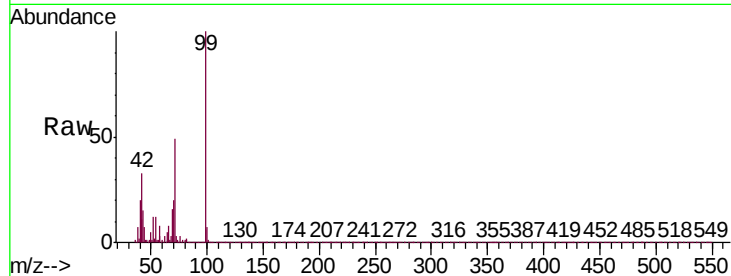
Tgt Ion: 99 Resp: 165829

Ion Ratio Lower Upper

99 100

42 32.8 24.5 36.7

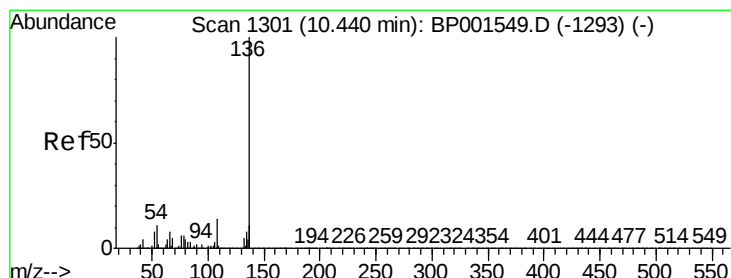
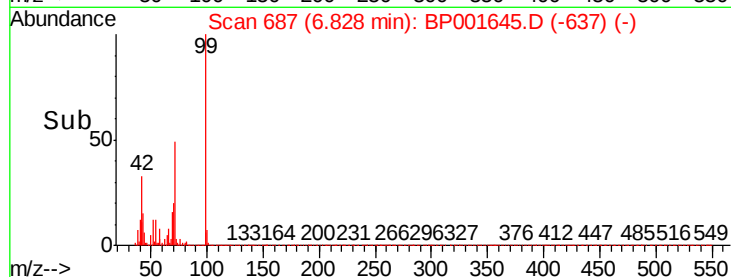
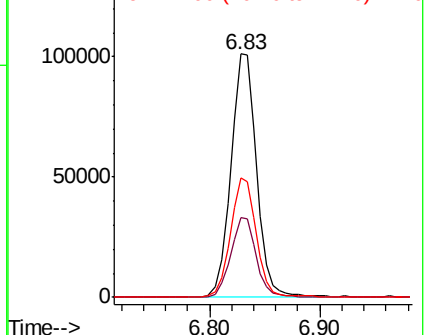
71 49.0 42.4 63.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.41 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Tgt Ion: 136 Resp: 161304

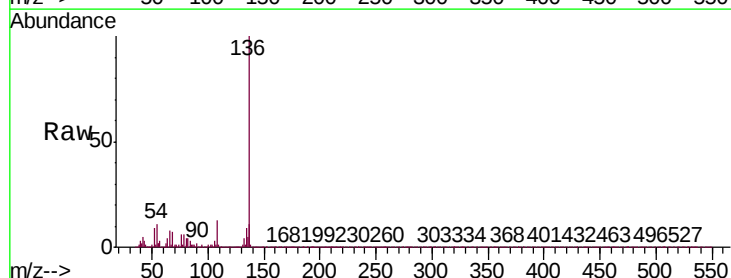
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 11.4 9.2 13.8

68 7.0 4.1 6.1#

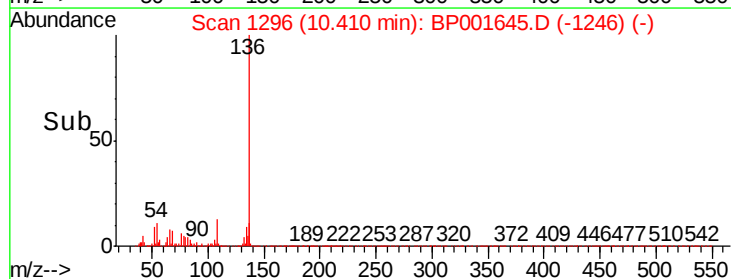
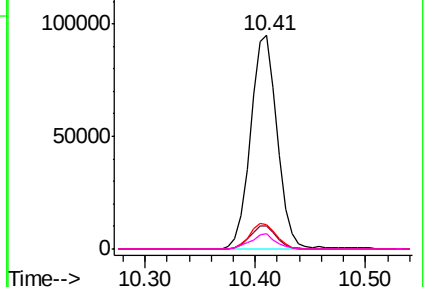


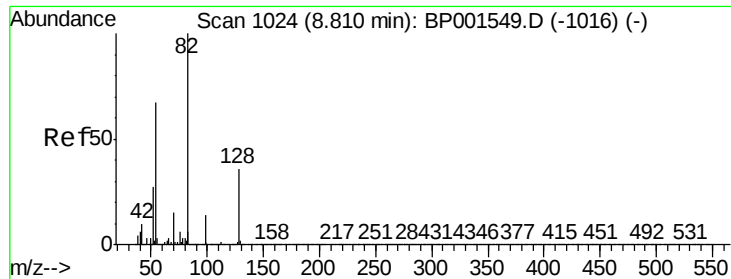
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

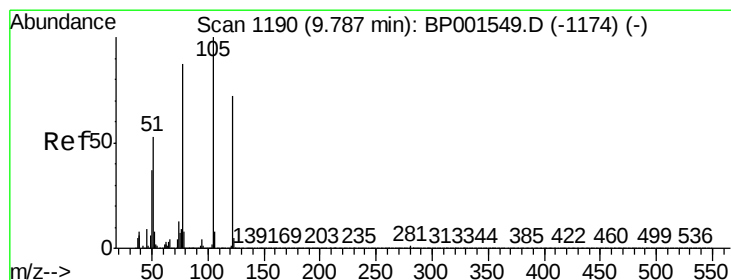
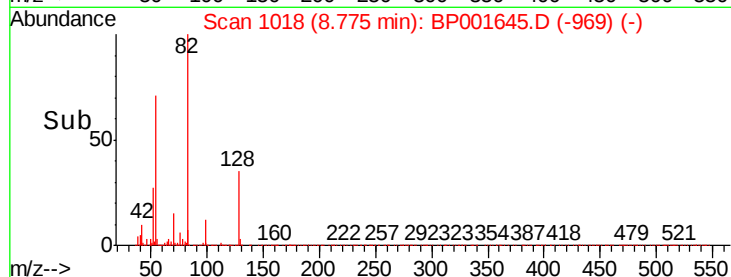
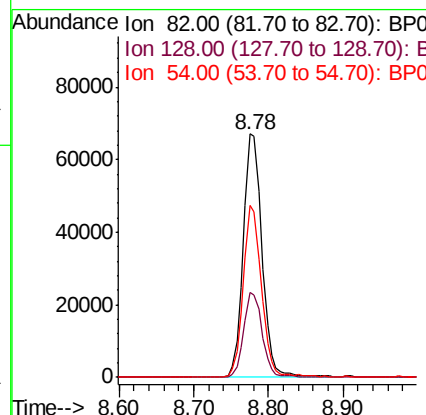
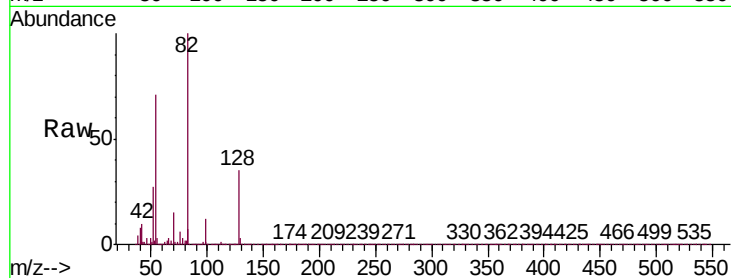




#23
 Nitrobenzene-d5
 Concen: 31.803 ng
 RT: 8.78 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BP001645.D
 Acq: 17 Jan 2020 00:53

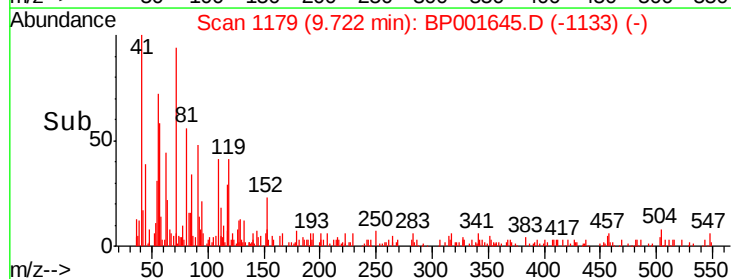
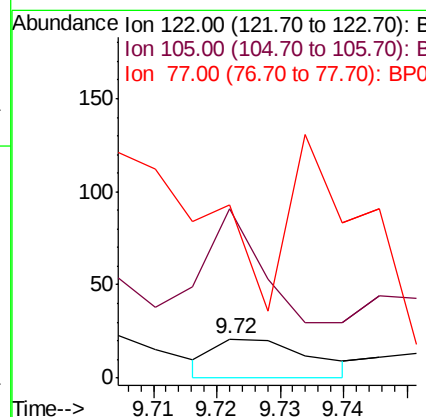
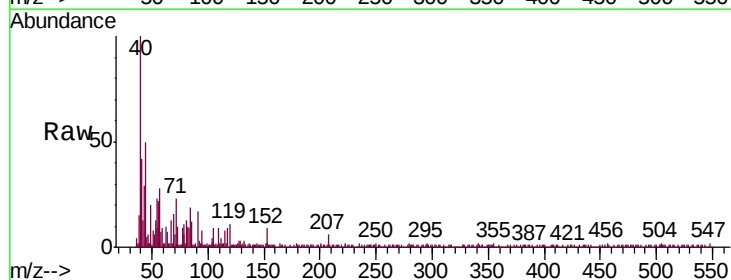
Instrument :
 BNA_P
 ClientSampleId :
 HD-01-011520

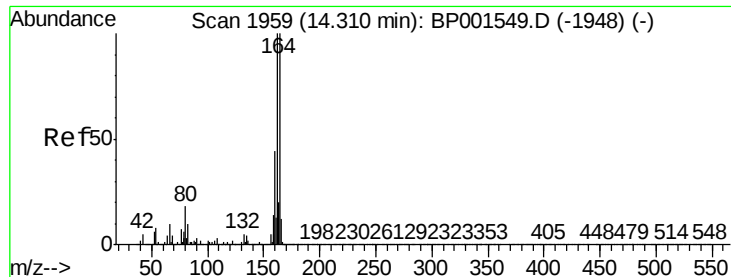
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.1	28.4	42.6
54	70.6	53.4	80.2



#32
 Benzoic acid
 Concen: 4.713 ng
 RT: 9.72 min Scan# 1179
 Delta R.T. -0.03 min
 Lab File: BP001645.D
 Acq: 17 Jan 2020 00:53

Tgt Ion	Ratio	Lower	Upper
122	100		
105	433.3	119.5	159.5#
77	442.9	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: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

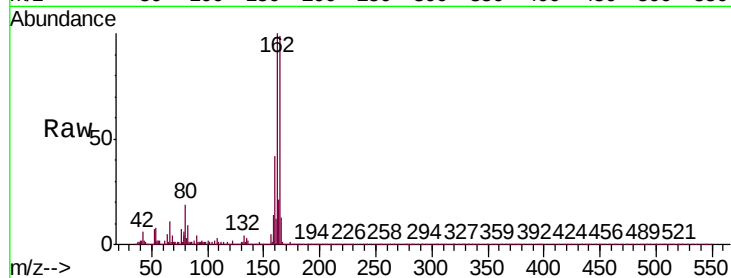
Tgt Ion:164 Resp: 108470

Ion Ratio Lower Upper

164 100

162 101.2 79.8 119.6

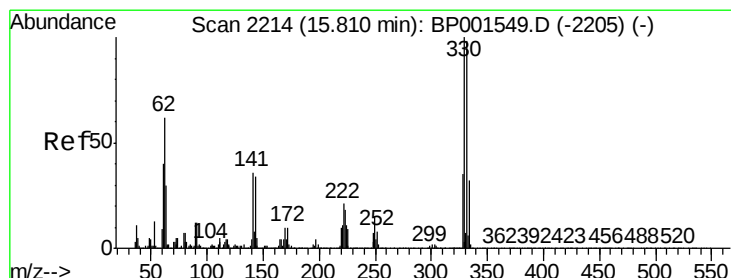
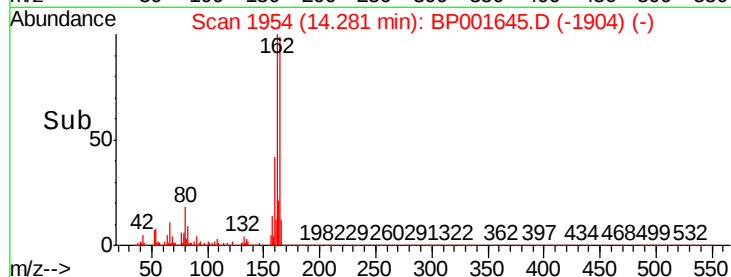
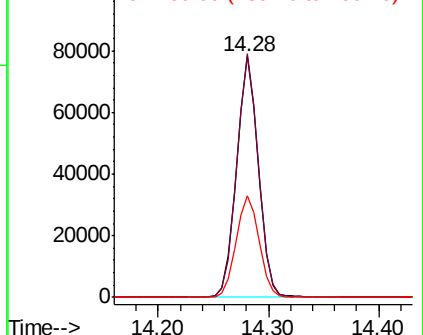
160 42.1 35.0 52.6



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: 36.666 ng

RT: 15.79 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

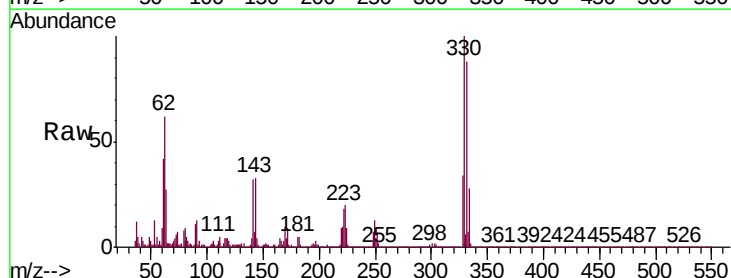
Tgt Ion:330 Resp: 60541

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.6

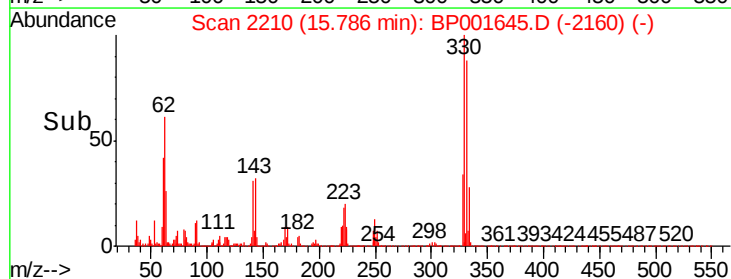
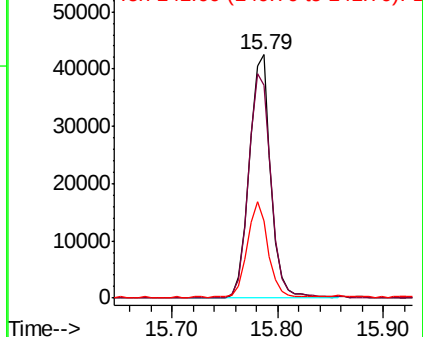
141 38.0 28.7 43.1

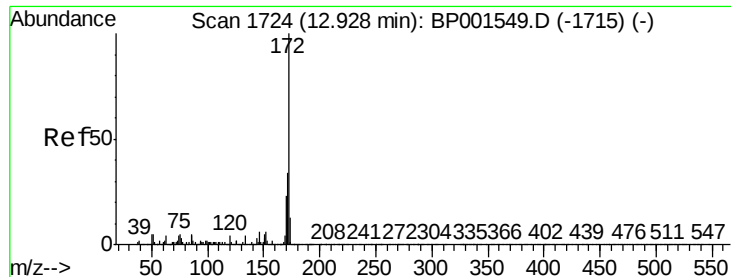


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

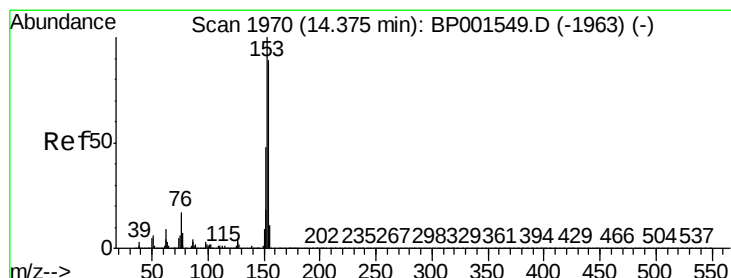
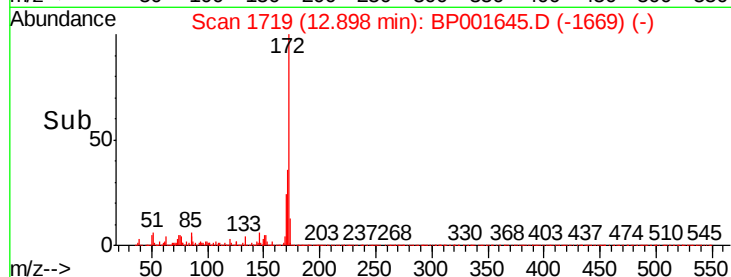
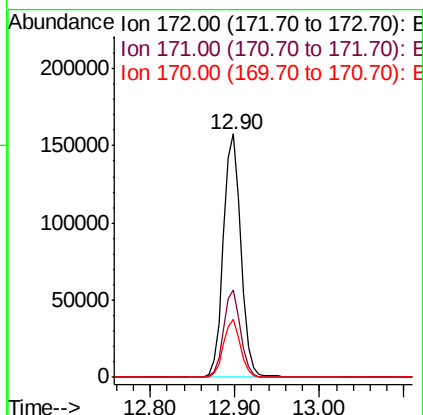
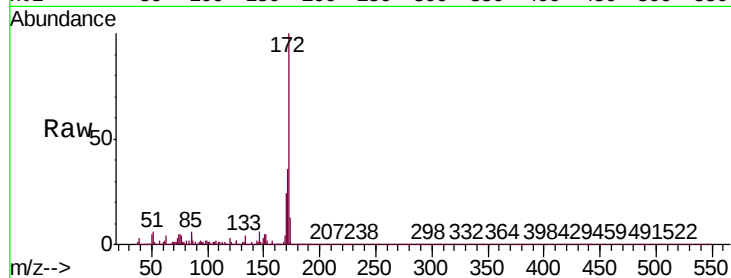




#45
2-Fluorobiphenyl
Concen: 30.767 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

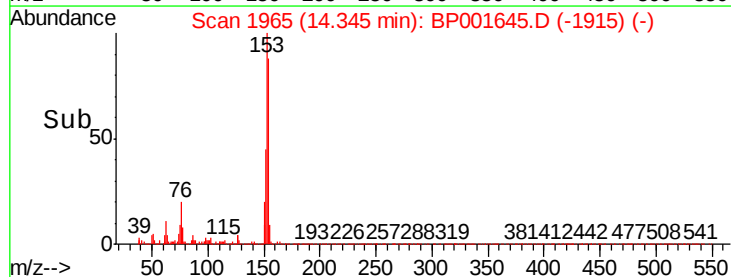
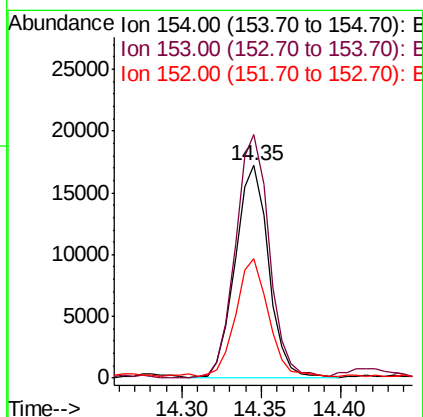
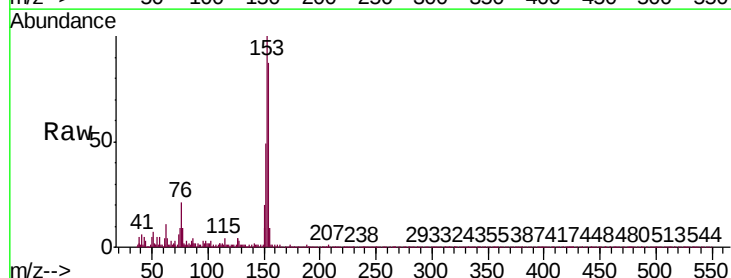
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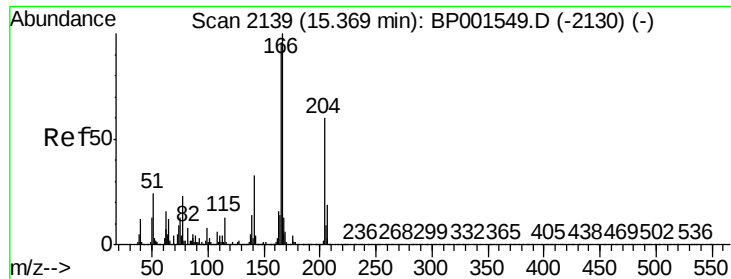
Tgt Ion:	172	Resp:	226981
Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.6	41.4
170	24.0	18.3	27.5



#52
Acenaphthene
Concen: 4.044 ng
RT: 14.35 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Tgt Ion:	154	Resp:	24950
Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.4	134.2
152	56.0	42.6	64.0





#58

Fluorene

Concen: 2.281 ng

RT: 15.34 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

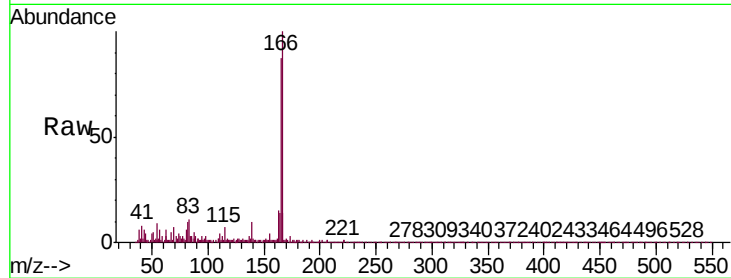
Tgt Ion:166 Resp: 19260

Ion Ratio Lower Upper

166 100

165 87.0 76.9 115.3

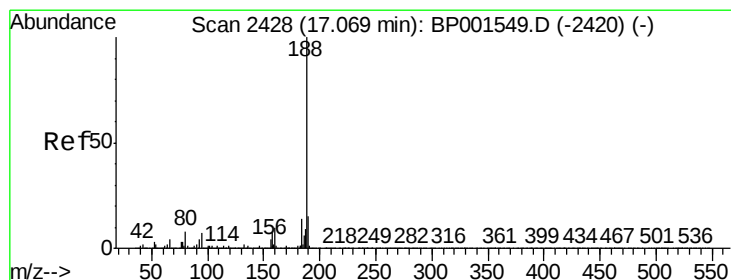
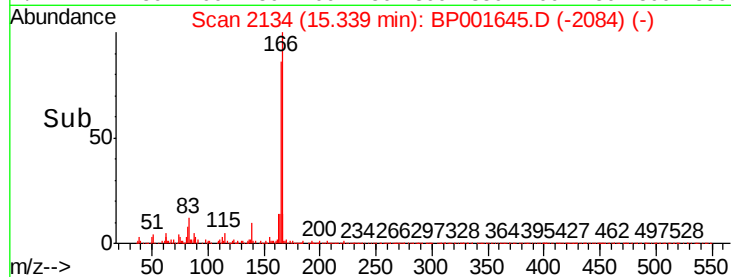
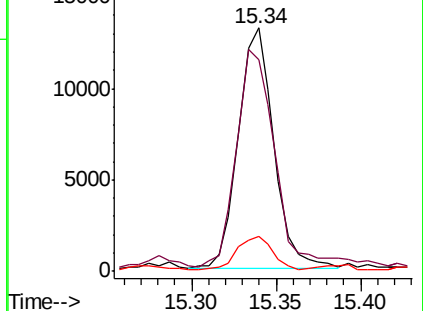
167 14.4 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

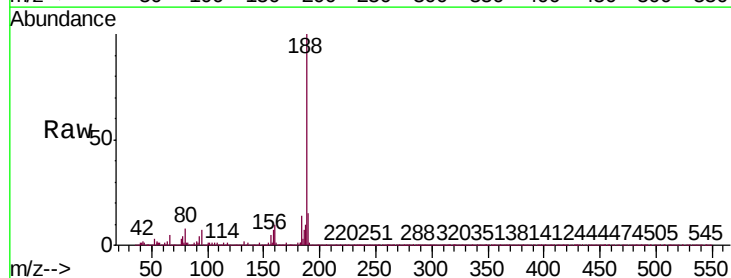
Tgt Ion:188 Resp: 240683

Ion Ratio Lower Upper

188 100

94 7.4 5.9 8.9

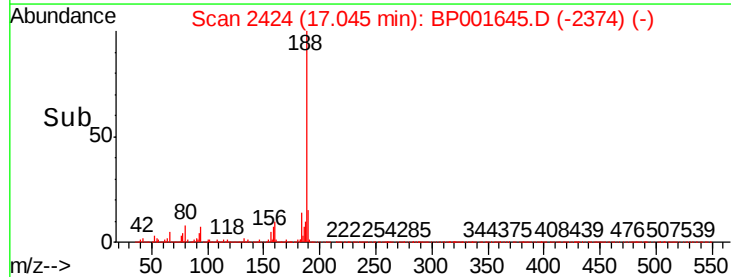
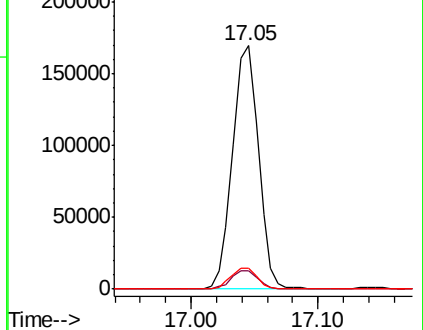
80 8.3 6.8 10.2

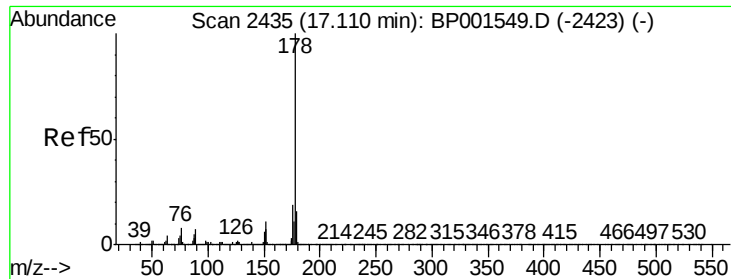


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

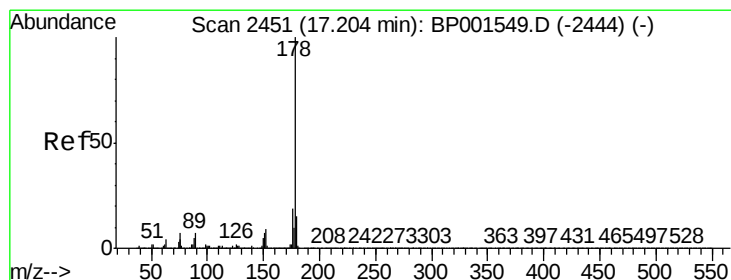
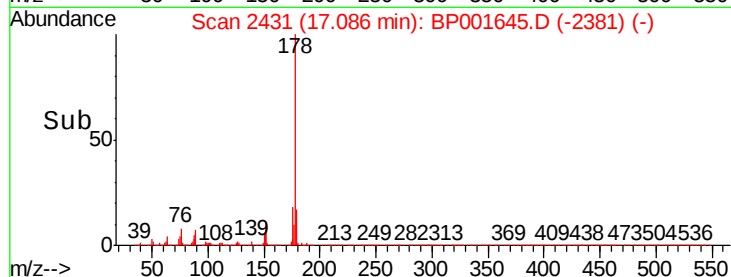
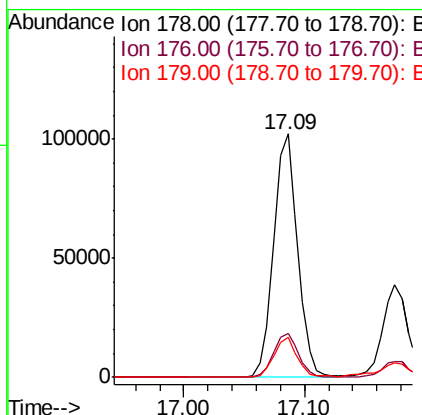
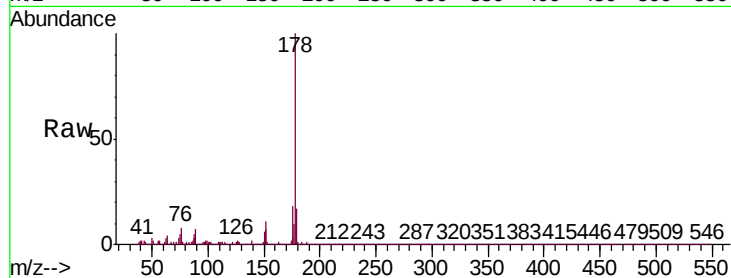




#71
Phenanthrene
Concen: 10.768 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

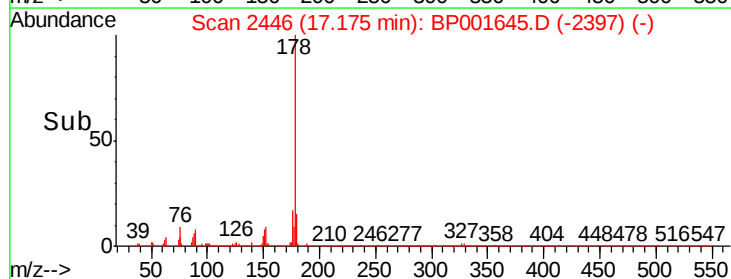
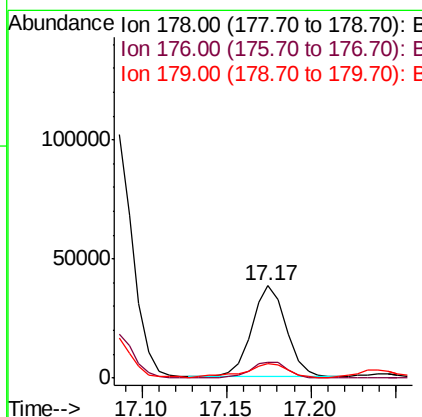
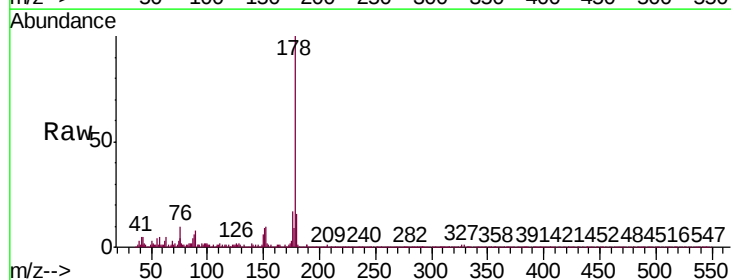
Instrument :
BNA_P
ClientSampleId :
HD-01-011520

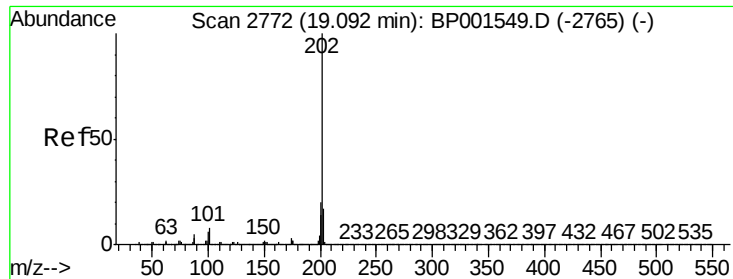
Tgt Ion:178 Resp: 140947
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 16.7 12.5 18.7



#72
Anthracene
Concen: 4.267 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Tgt Ion:178 Resp: 54367
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 15.5 11.8 17.8





#75

Fluoranthene

Concen: 24.043 ng

RT: 19.07 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

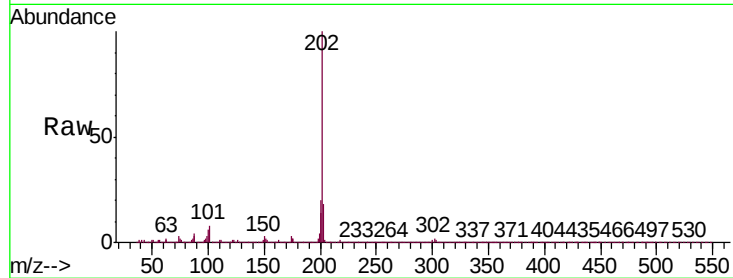
Tgt Ion:202 Resp: 414092

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.4

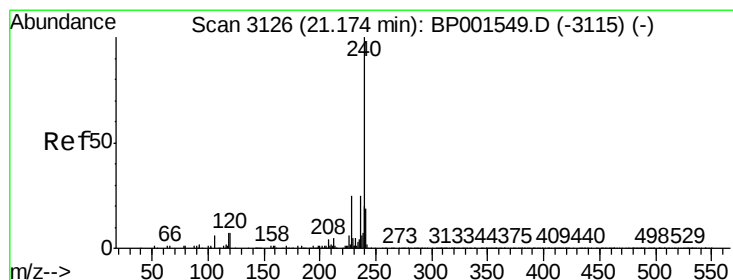
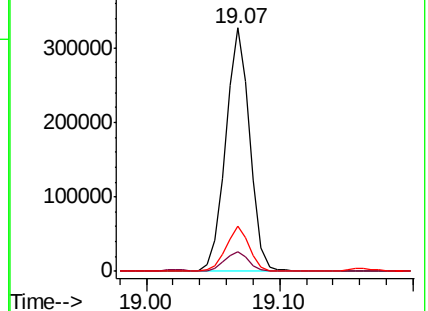
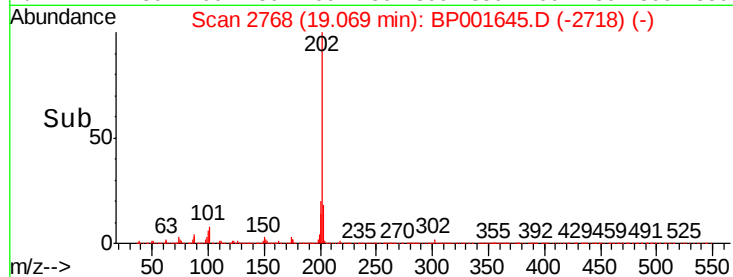
203 18.3 0.0 37.4



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# 3121

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

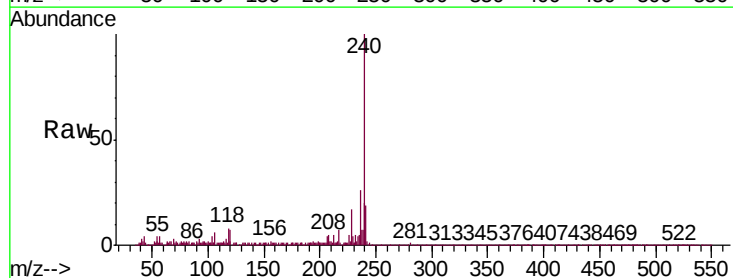
Tgt Ion:240 Resp: 207454

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

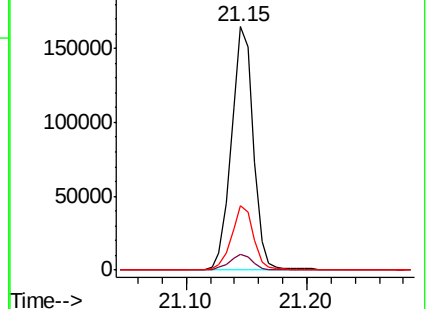
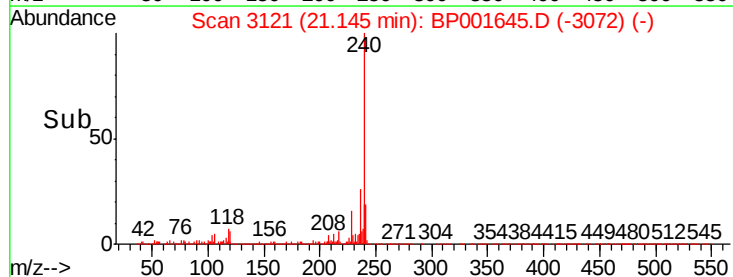
236 26.3 20.4 30.6

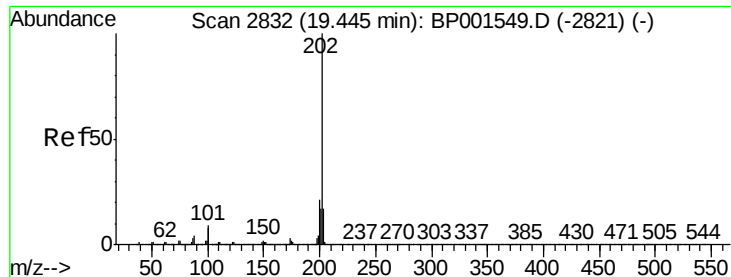


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 22.131 ng

RT: 19.42 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

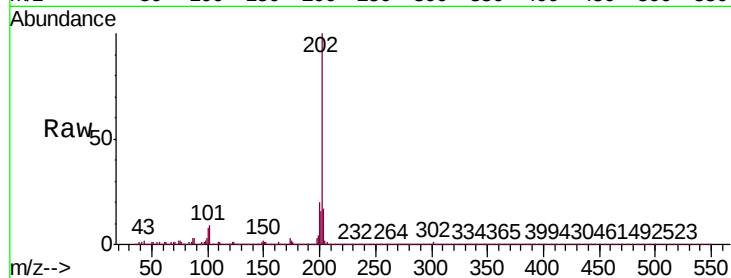
Tgt Ion:202 Resp: 337261

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

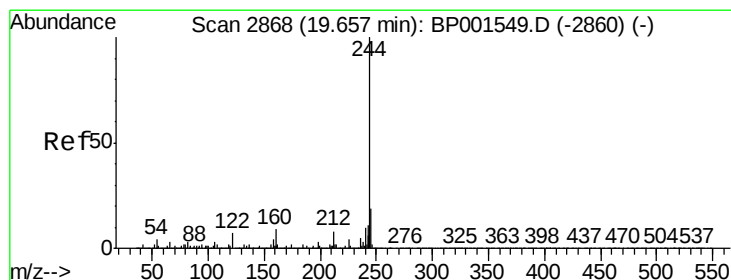
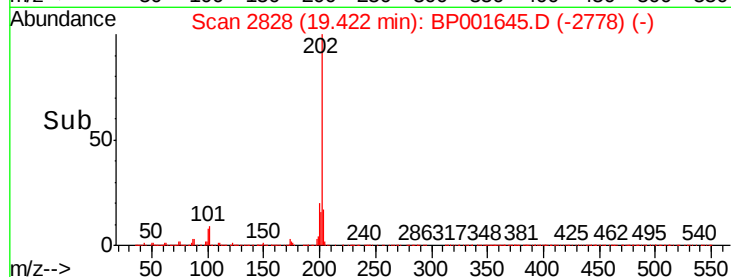
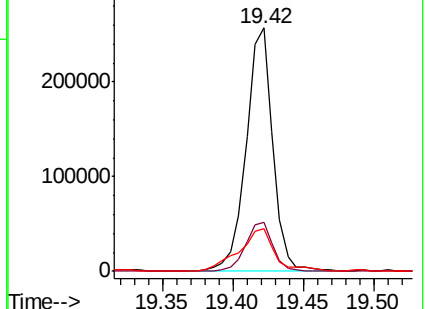
203 17.4 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 30.321 ng

RT: 19.63 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

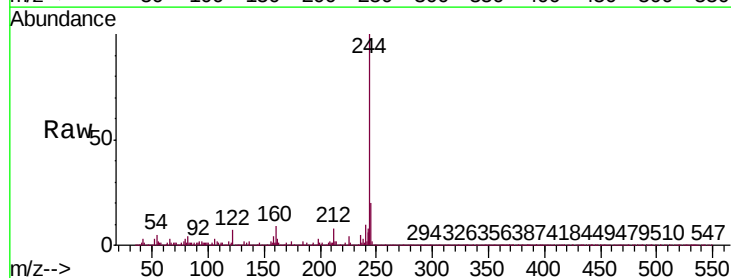
Tgt Ion:244 Resp: 343911

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

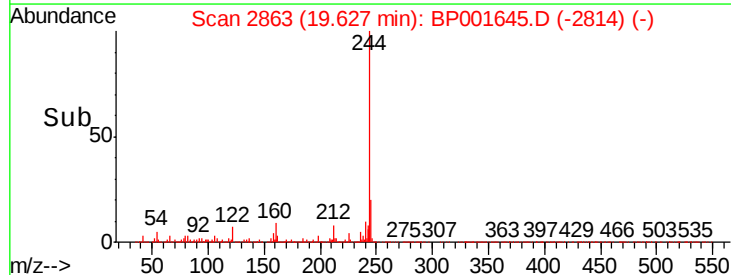
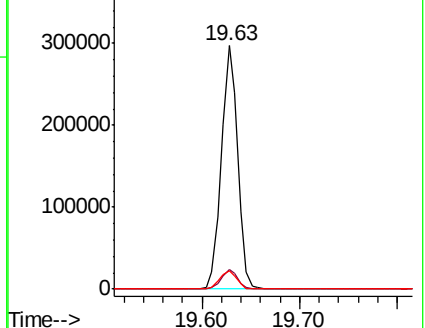
122 7.4 5.8 8.6

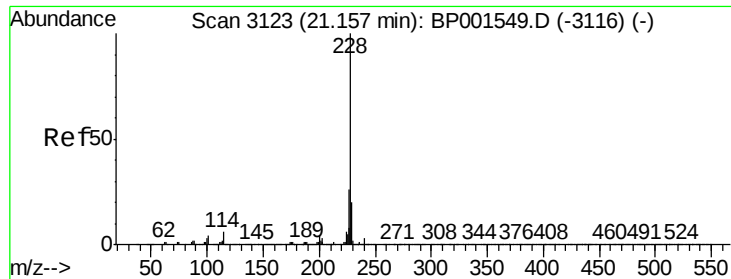


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.407 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

Instrument :

BNA_P

ClientSampleId :

HD-01-011520

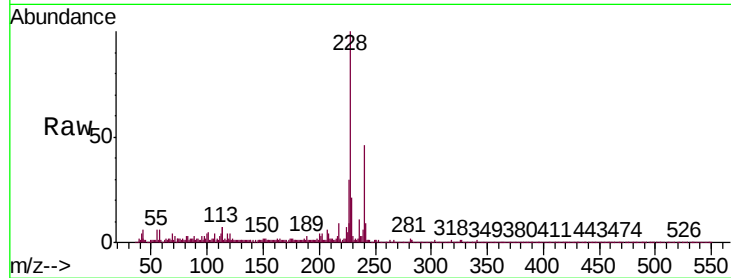
Tgt Ion:228 Resp: 135906

Ion Ratio Lower Upper

228 100

226 30.4 21.2 31.8

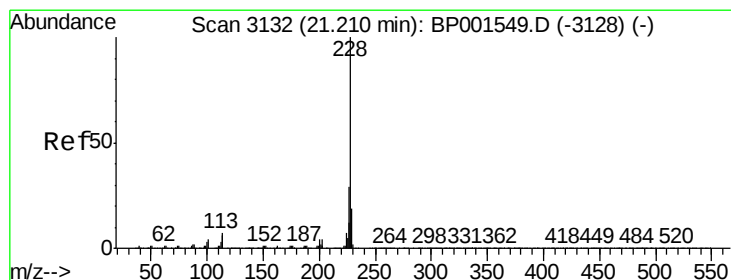
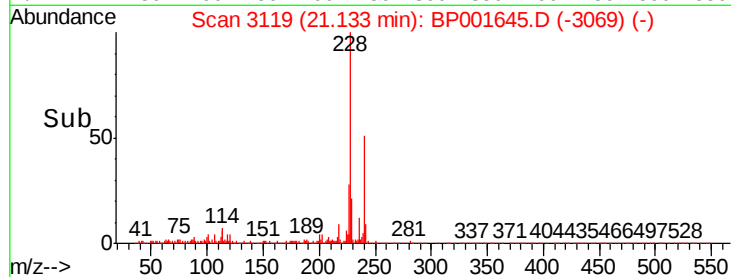
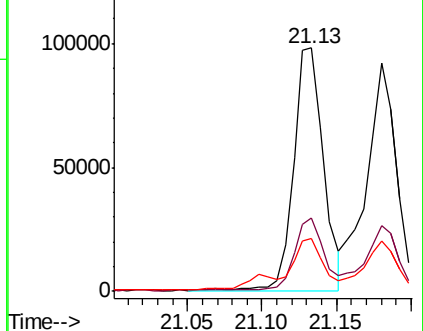
229 21.5 16.1 24.1



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: 9.045 ng

RT: 21.18 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BP001645.D

Acq: 17 Jan 2020 00:53

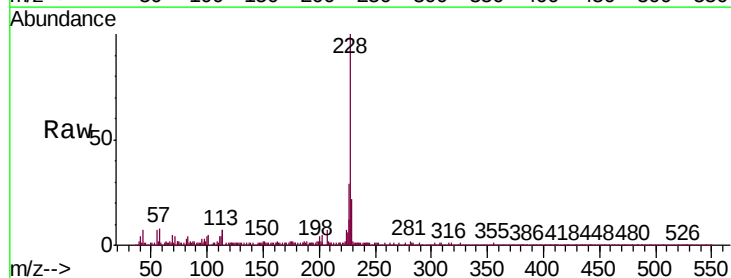
Tgt Ion:228 Resp: 127360

Ion Ratio Lower Upper

228 100

226 28.8 23.2 34.8

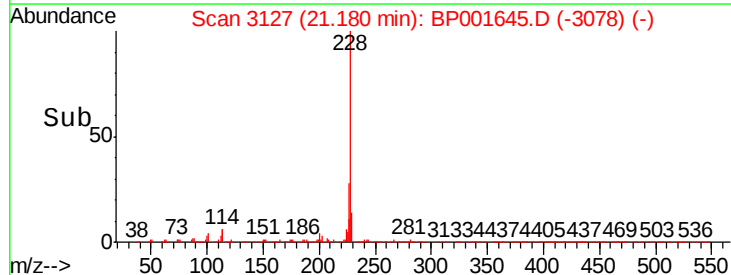
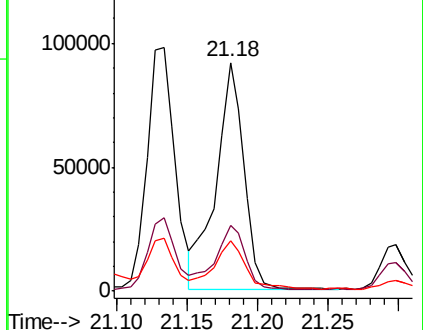
229 22.2 15.2 22.8

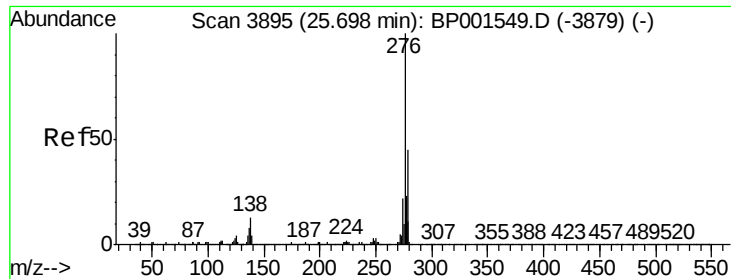


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

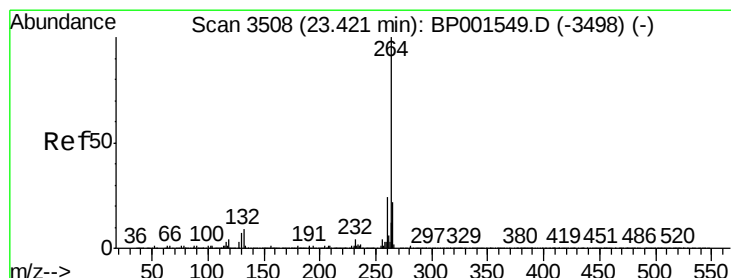
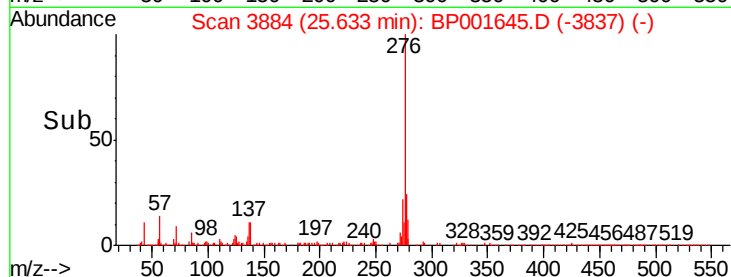
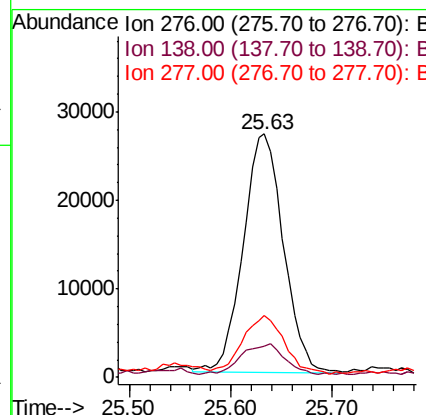
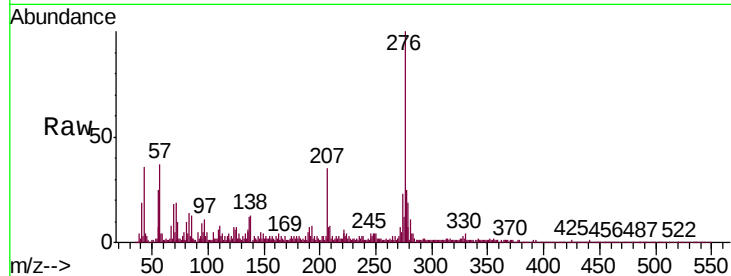




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.501 ng
 RT: 25.63 min Scan# 3884
 Delta R.T. -0.02 min
 Lab File: BP001645.D
 Acq: 17 Jan 2020 00:53

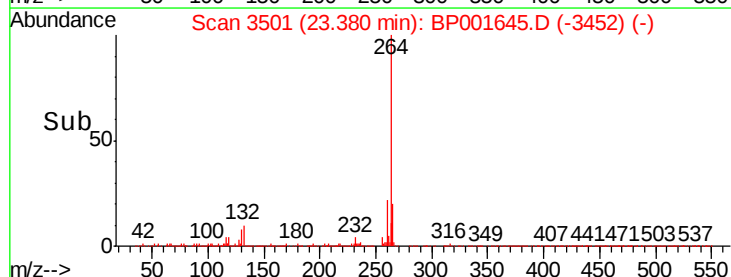
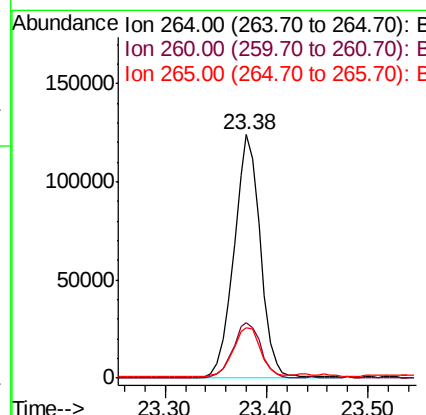
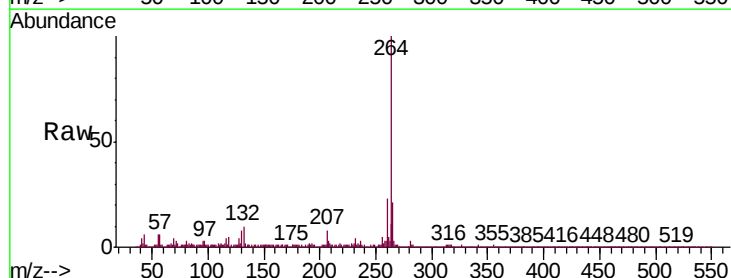
Instrument :
 BNA_P
 ClientSampleId :
 HD-01-011520

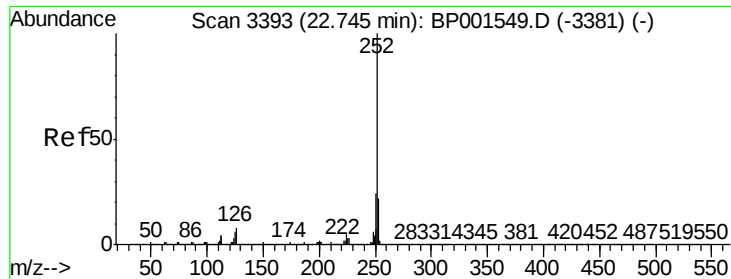
Tgt Ion:	276	Resp:	74185
Ion	Ratio	Lower	Upper
276	100		
138	14.3	11.1	16.7
277	25.4	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.38 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: BP001645.D
 Acq: 17 Jan 2020 00:53

Tgt Ion:	264	Resp:	221082
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.0	28.6
265	20.7	18.2	27.4

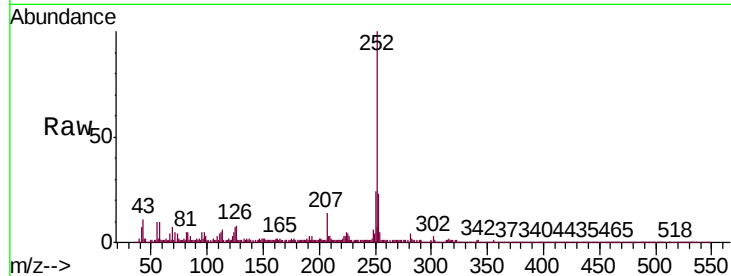




#88
Benzo(b)fluoranthene
Concen: 14.899 ng
RT: 22.71 min Scan# 3387
Delta R.T. -0.01 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Instrument :
BNA_P
ClientSampleId :
HD-01-011520

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	7.4	4.6	7.0

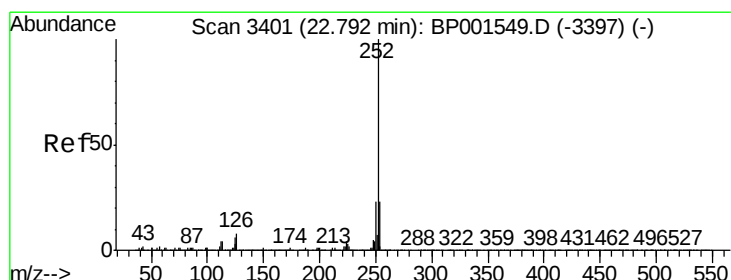
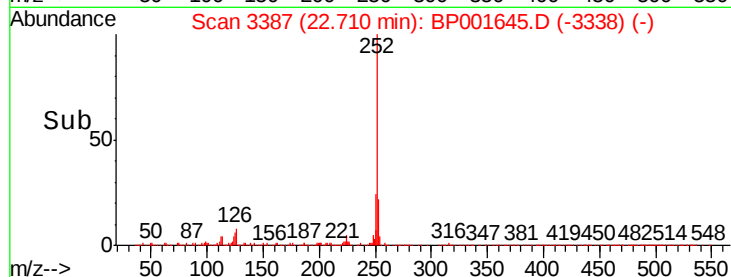
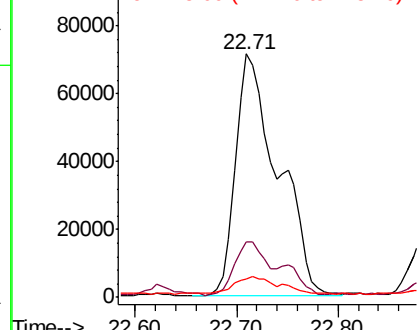


Abundance

Ion 252.00 (251.70 to 252.70): E

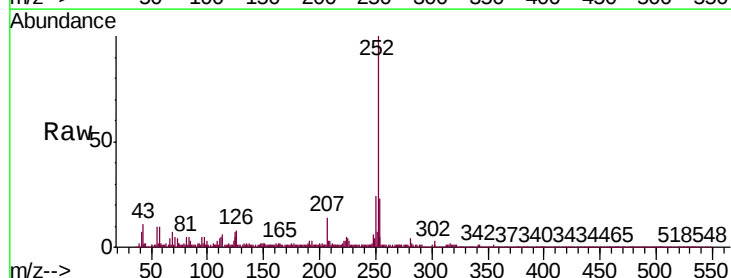
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 15.281 ng
RT: 22.71 min Scan# 3387
Delta R.T. -0.06 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	7.4	4.6	6.8

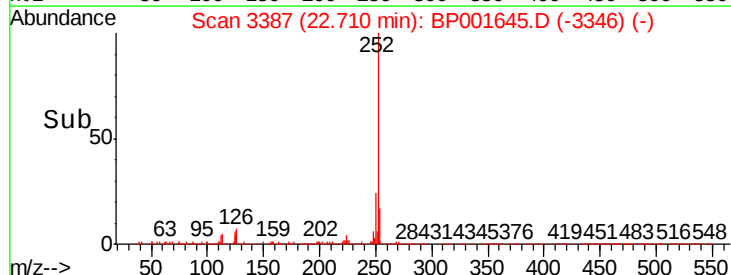
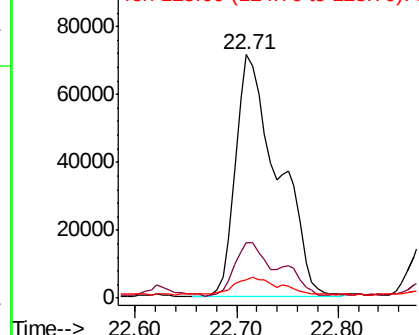


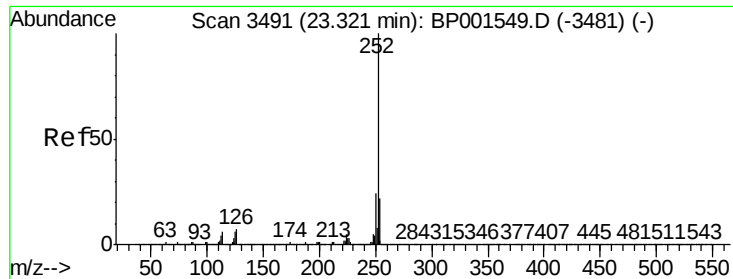
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

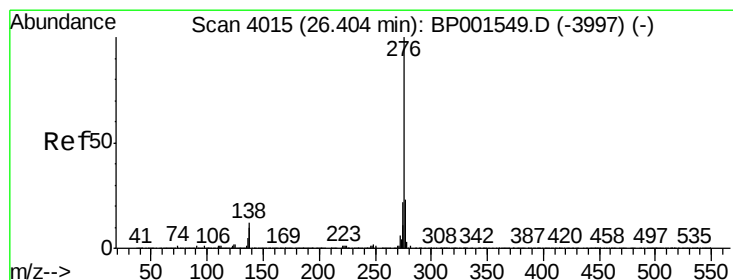
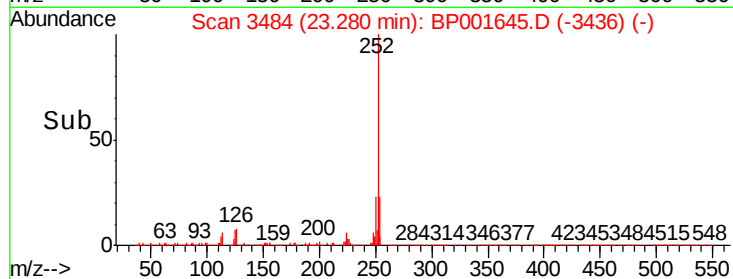
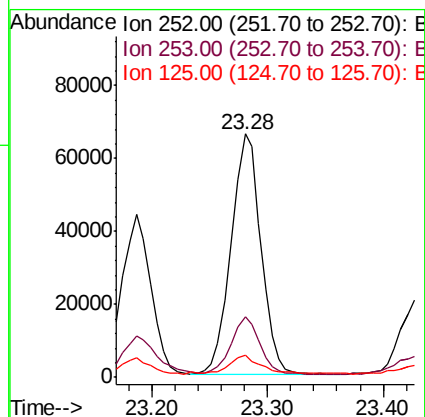
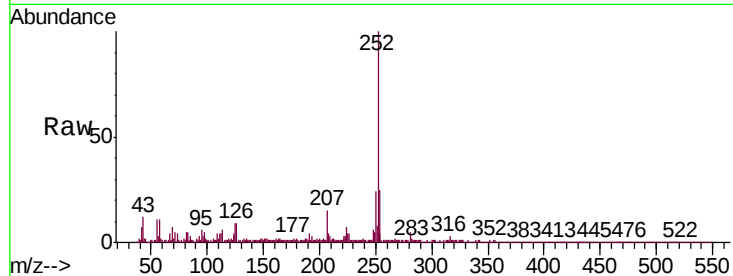




#90
Benzo(a)pyrene
Concen: 8.950 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Instrument :
BNA_P
ClientSampleId :
HD-01-011520

Tgt Ion: 252 Resp: 118393
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 9.0 5.0 7.4#



#92
Benzo(g,h,i)perylene
Concen: 5.902 ng
RT: 26.32 min Scan# 4001
Delta R.T. -0.02 min
Lab File: BP001645.D
Acq: 17 Jan 2020 00:53

Tgt Ion: 276 Resp: 80071
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 14.5 9.4 14.2#

