

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001657.D
 Acq On : 17 Jan 2020 15:05
 Operator : JU
 Sample : L1108-06 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 18 02:32:25 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

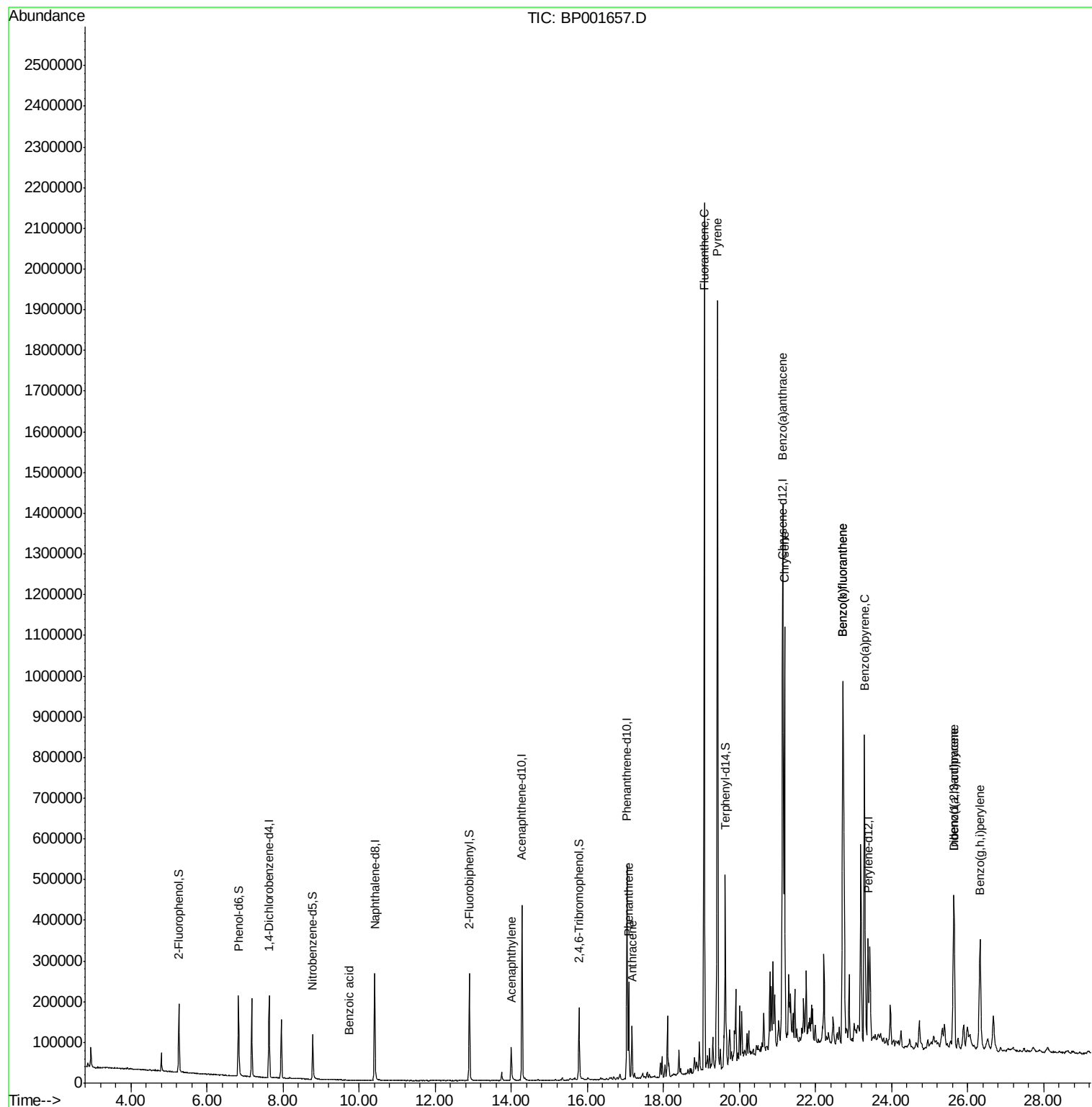
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	46274	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	194414	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	139261	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	310880	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	213090	20.00	ng	0.00
87) Perylene-d12	23.38	264	180247	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	56996	24.13	ng	0.00
7) Phenol-d6	6.83	99	91036	24.11	ng	0.00
23) Nitrobenzene-d5	8.78	82	63774	14.33	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	29668	14.00	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	134770	14.23	ng	-0.01
79) Terphenyl-d14	19.63	244	201756	17.32	ng	-0.01
Target Compounds						
32) Benzoic acid	9.73	122	8	4.706	ng	Qvalue # 1
49) Acenaphthylene	14.00	152	65846	5.148	ng	99
71) Phenanthrene	17.09	178	139655	8.260	ng	99
72) Anthracene	17.17	178	76184	4.629	ng	99
75) Fluoranthene	19.07	202	1256776	56.494	ng	99
78) Pyrene	19.42	202	1140193	72.841	ng	98
81) Benzo(a)anthracene	21.13	228	623701	42.027	ng	95
83) Chrysene	21.19	228	542697	37.524	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	349199	20.627	ng	99
88) Benzo(b)fluoranthene	22.72	252	734185	64.639	ng	# 97
89) Benzo(k)fluoranthene	22.72	252	734185	66.296	ng	# 99
90) Benzo(a)pyrene	23.29	252	531145	49.251	ng	# 97
91) Dibenzo(a,h)anthracene	25.64	278	81325	7.309	ng	# 88
92) Benzo(a,h,i)perylene	26.33	276	320038	28.933	ng	# 97

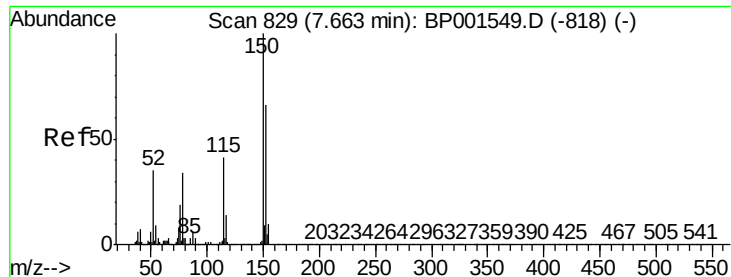
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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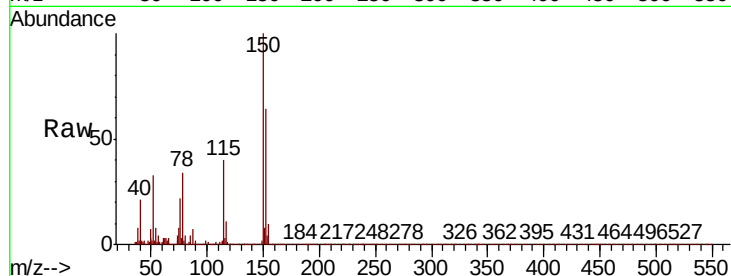


#1

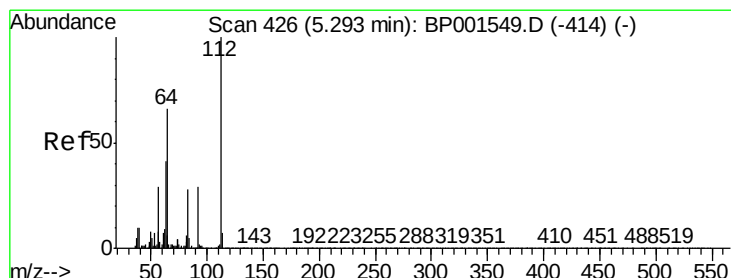
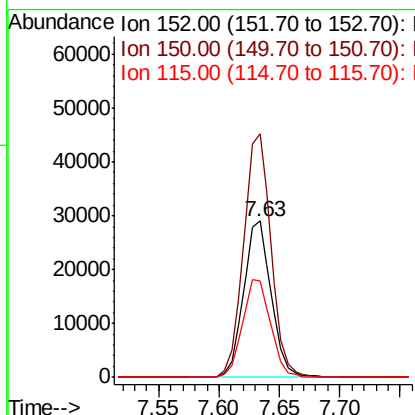
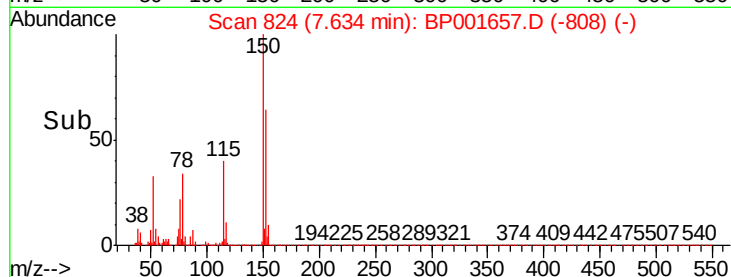
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 46274
Ion Ratio Lower Upper
152 100
150 155.7 122.0 183.0
115 61.5 50.7 76.1



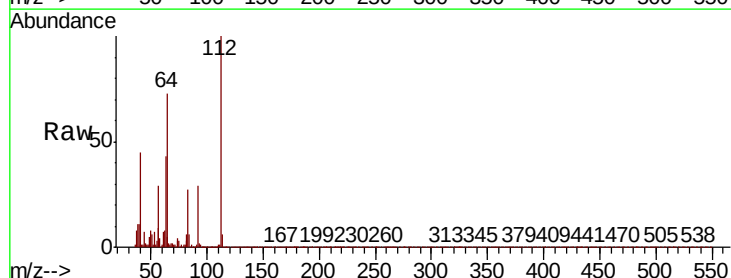
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



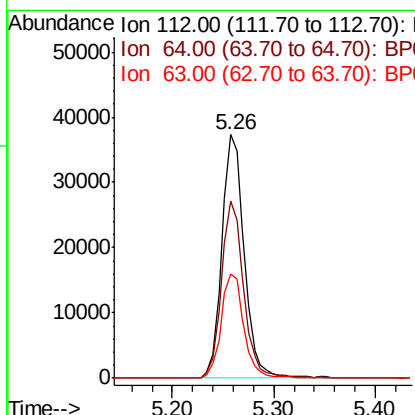
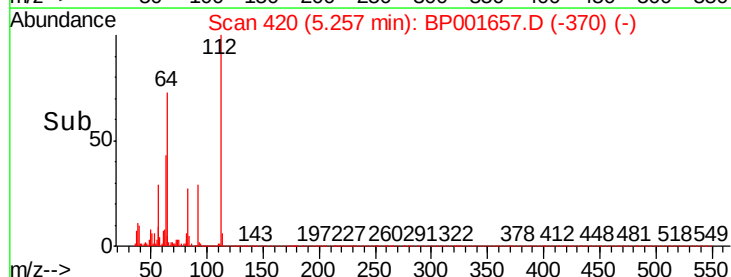
#5

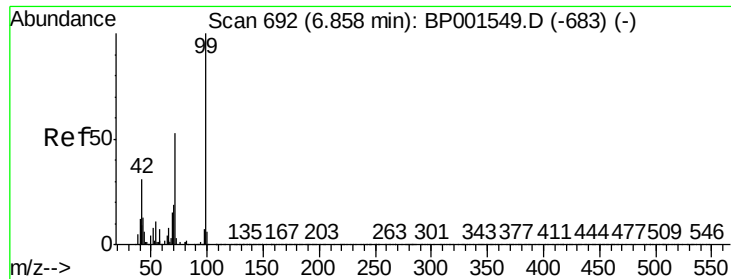
2-Fluorophenol
Concen: 24.128 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:112 Resp: 56996
Ion Ratio Lower Upper
112 100
64 72.8 52.8 79.2
63 42.8 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: 24.113 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

ClientSampleId :

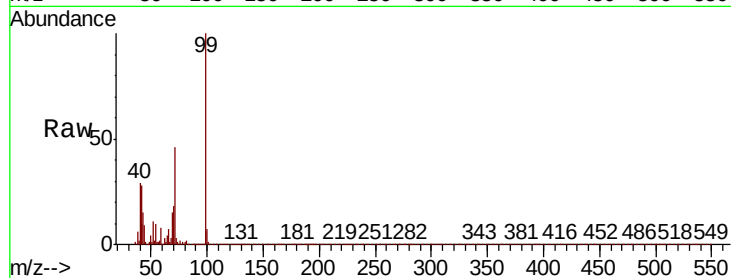
Tot Ion: 99 Resp: 91036

Ion Ratio Lower Upper

99 100

42 28.4 24.5 36.7

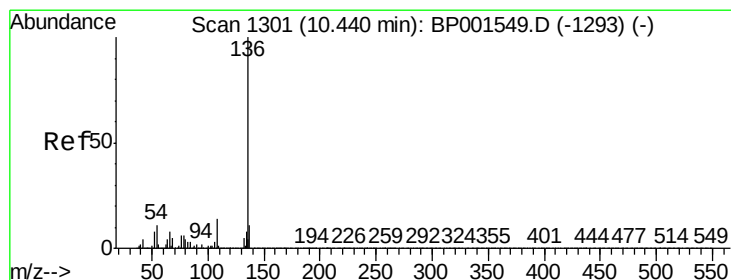
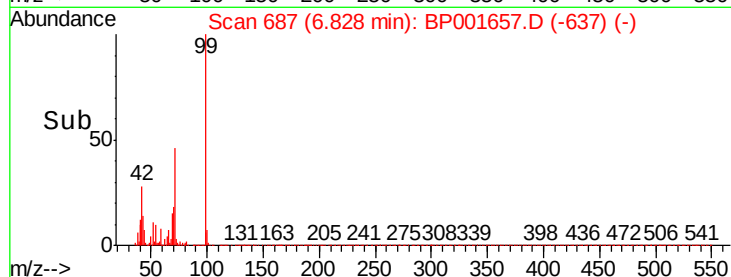
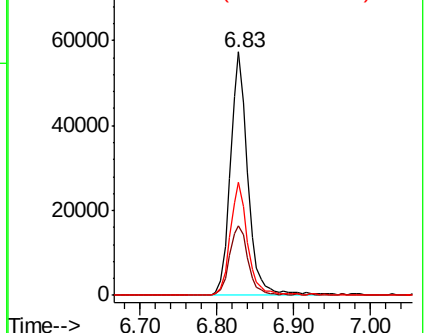
71 46.5 42.4 63.6



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: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt Ion: 136 Resp: 194414

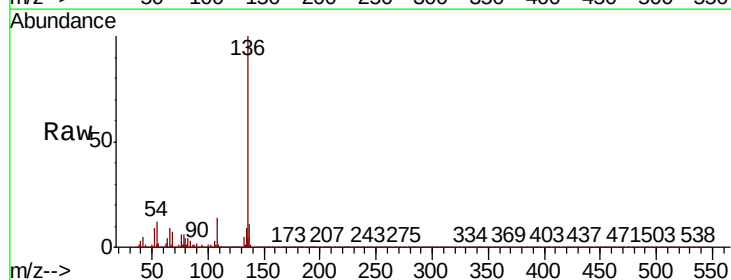
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 12.3 9.2 13.8

68 6.8 4.1 6.1#

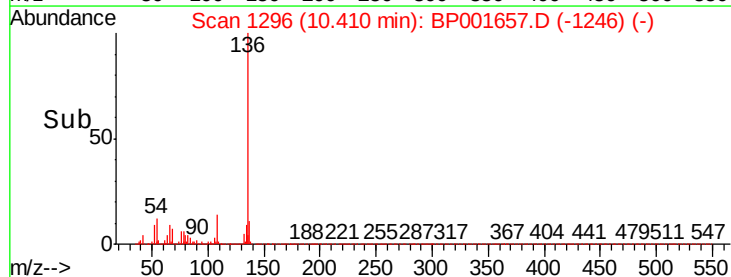
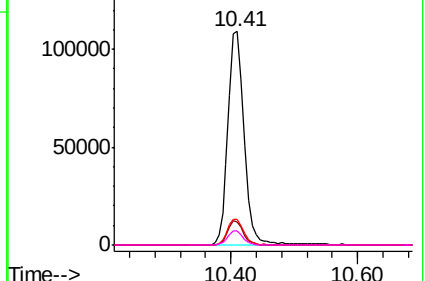


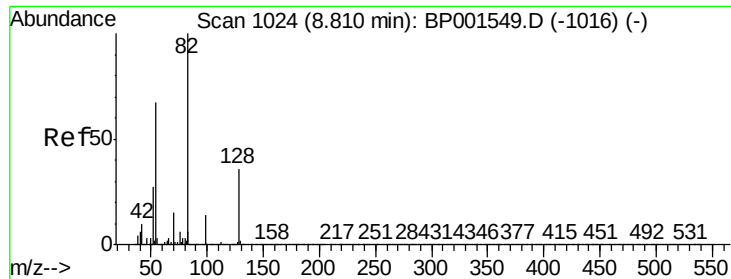
Abundance Ion 136.00 (135.70 to 136.70): E

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

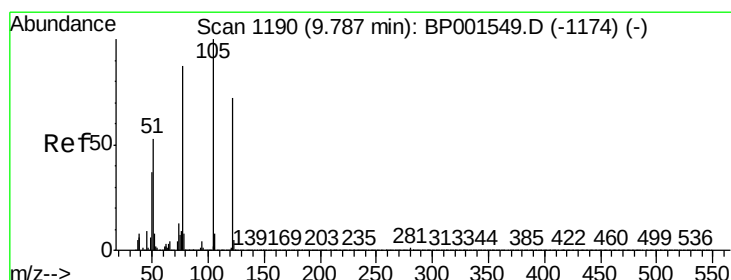
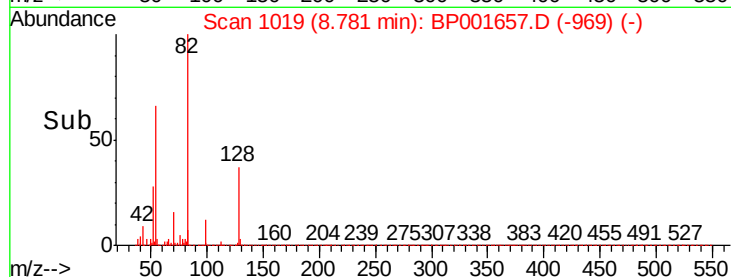
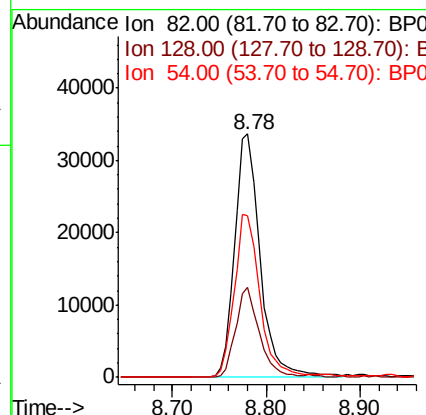
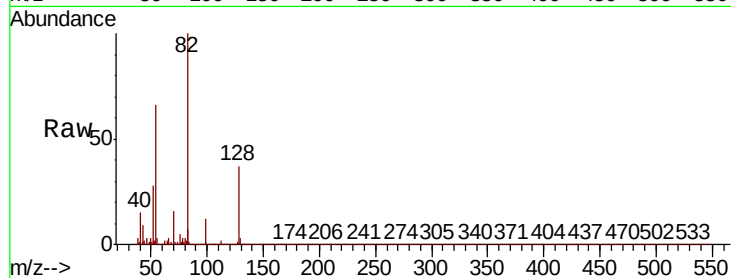




#23
 Nitrobenzene-d5
 Concen: 14.334 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

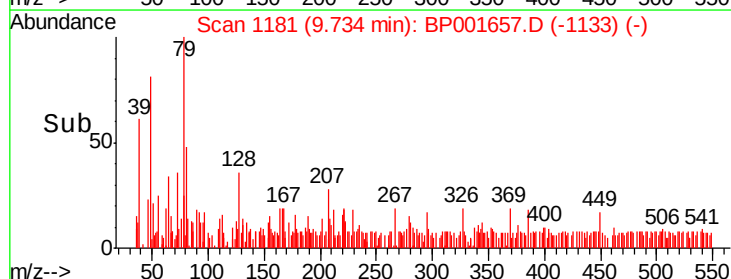
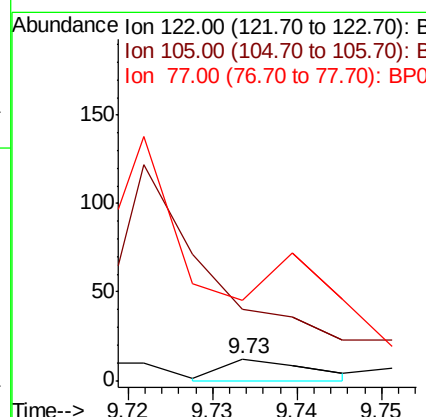
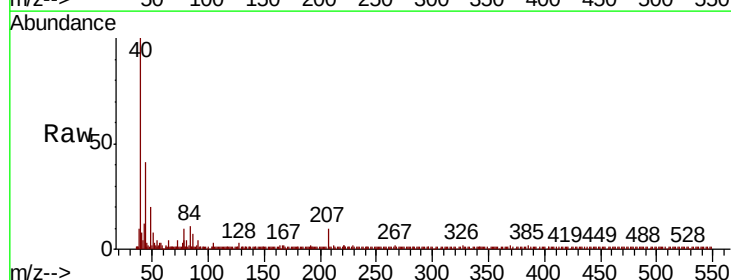
Instrument :
 BNA_P
 ClientSampleId :

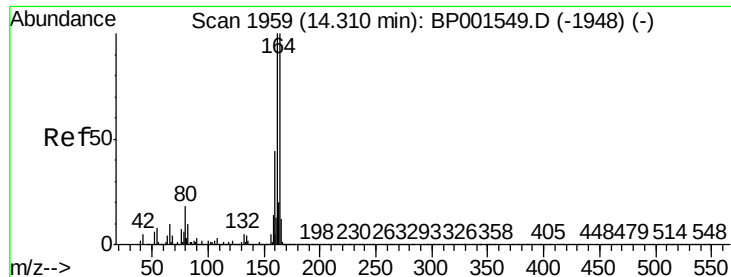
Tot Ion	82	Resp	63774
Ion Ratio	Lower	Upper	
82	100		
128	36.8	28.4	42.6
54	66.2	53.4	80.2



#32
 Benzoic acid
 Concen: 4.706 ng
 RT: 9.73 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BP001657.D
 Acq: 17 Jan 2020 15:05

Tgt Ion	122	Resp	8
Ion Ratio	Lower	Upper	
122	100		
105	333.3	119.5	159.5#
77	375.0	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: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

ClientSampleId :

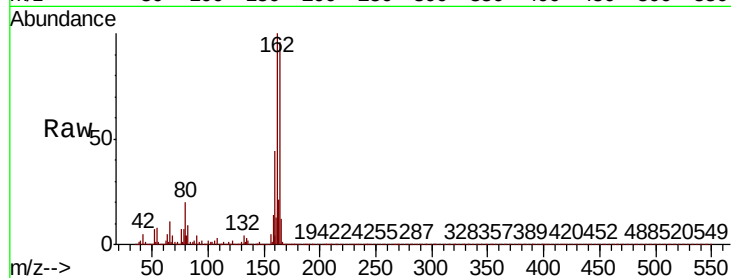
Tot Ion:164 Resp: 139261

Ion Ratio Lower Upper

164 100

162 104.0 79.8 119.6

160 46.0 35.0 52.6

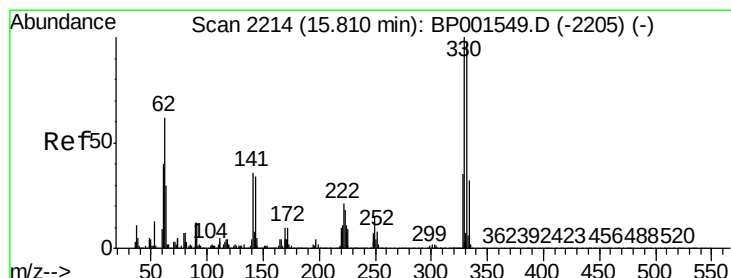
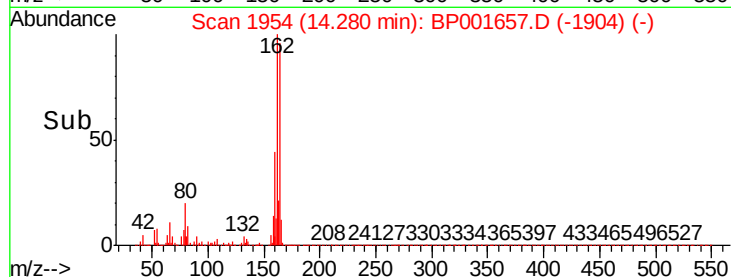
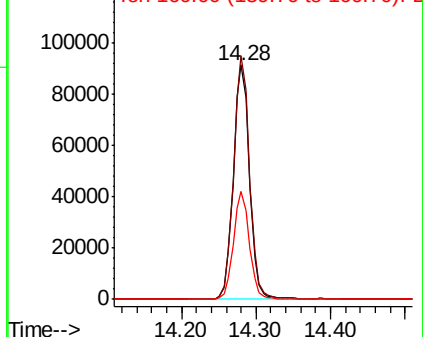


Abundance

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: 13.995 ng

RT: 15.78 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

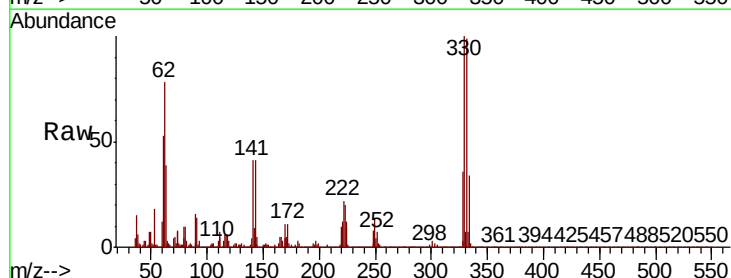
Tgt Ion:330 Resp: 29668

Ion Ratio Lower Upper

330 100

332 99.8 77.8 116.6

141 37.8 28.7 43.1

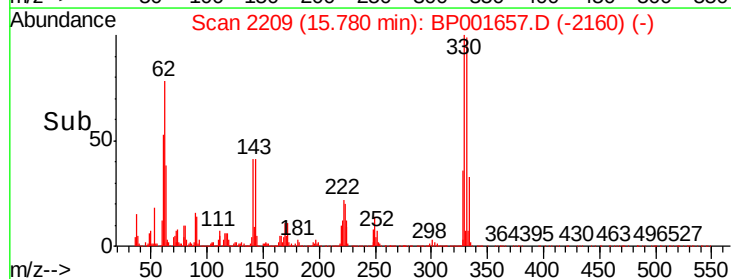
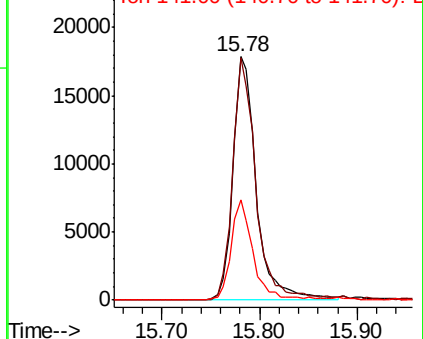


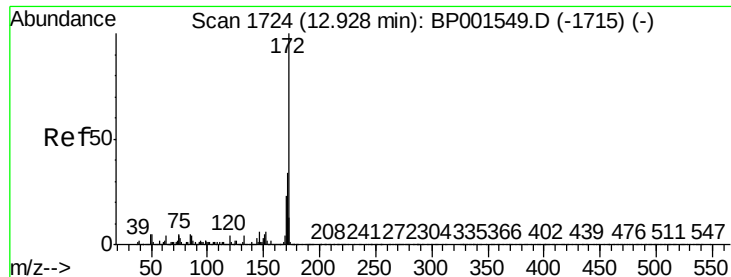
Abundance

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

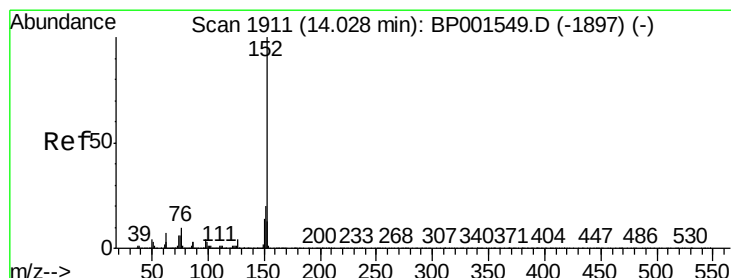
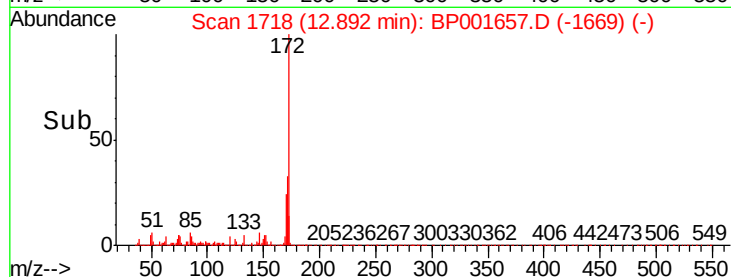
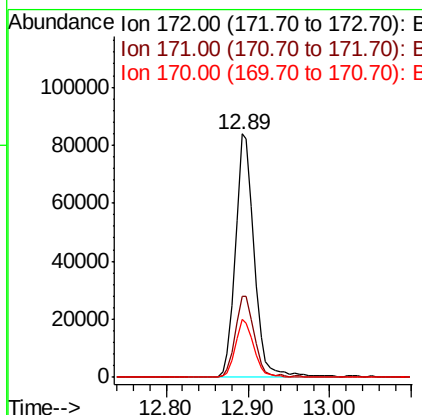
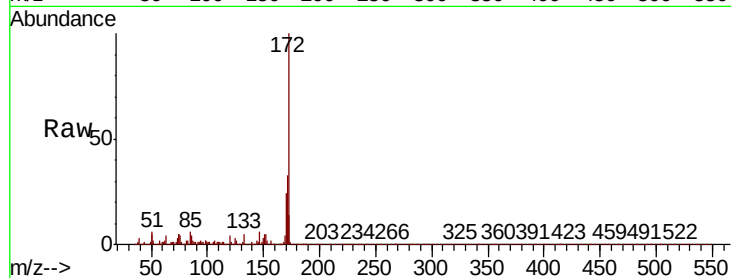




#45
2-Fluorobiphenyl
Concen: 14.229 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

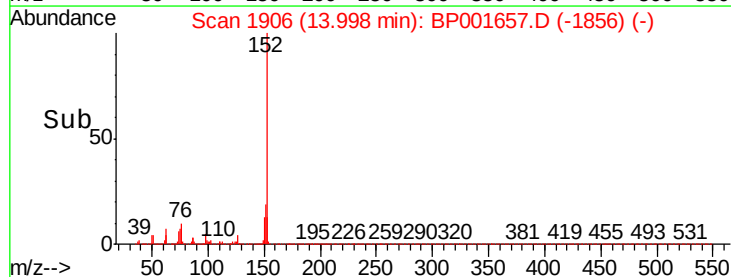
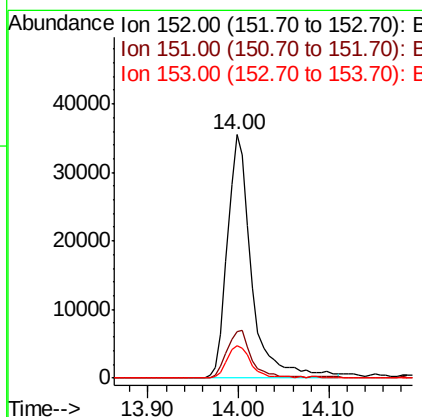
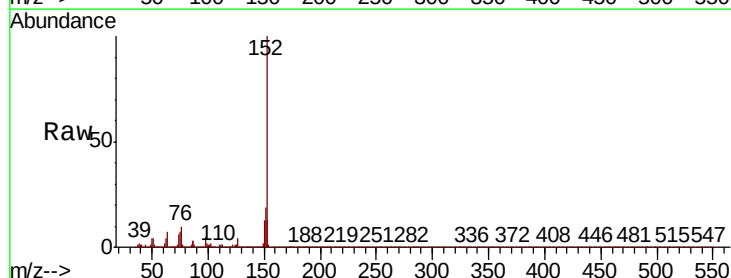
Instrument :
BNA_P
ClientSampleId :

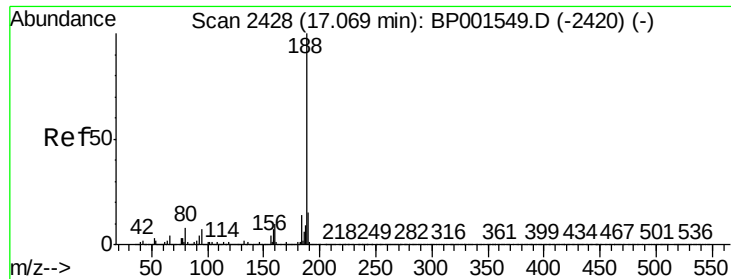
Tot Ion:172 Resp: 134770
Ion Ratio Lower Upper
172 100
171 33.3 27.6 41.4
170 23.9 18.3 27.5



#49
Acenaphthylene
Concen: 5.148 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:152 Resp: 65846
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 13.3 10.4 15.6

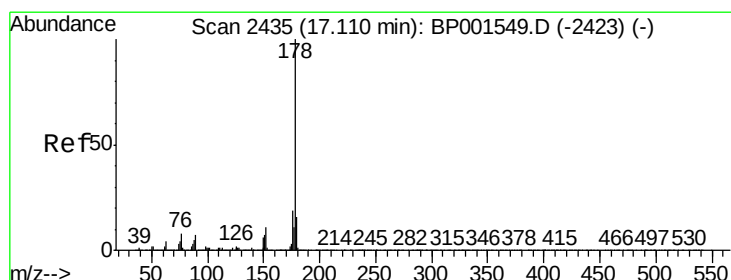
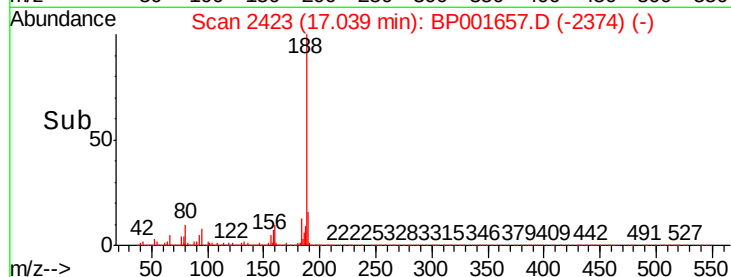
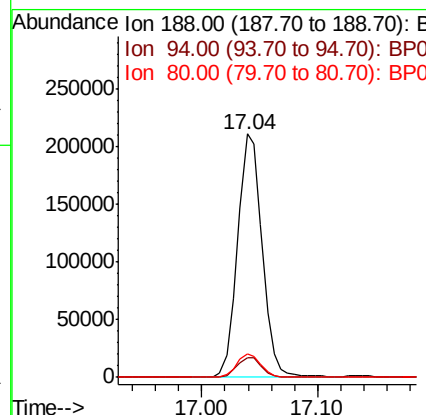
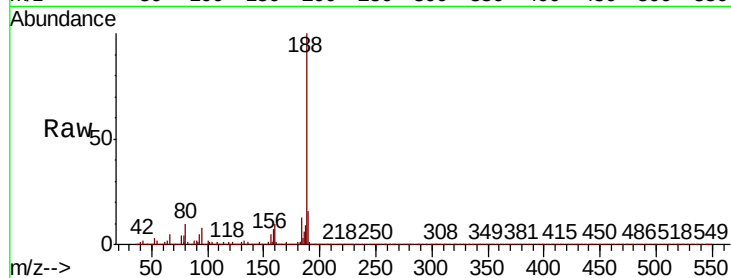




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

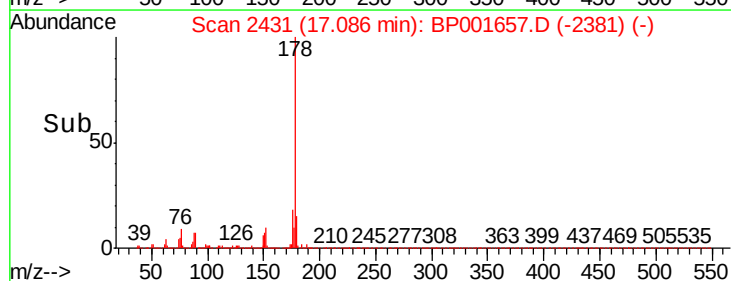
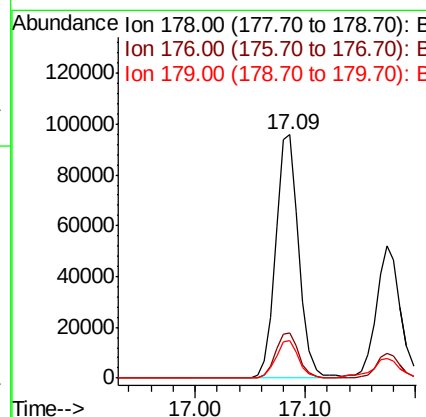
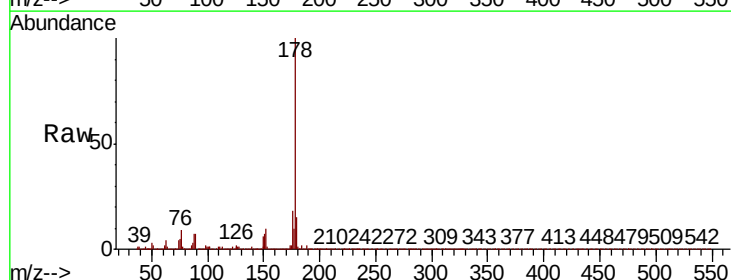
Instrument :
BNA_P
ClientSampled :

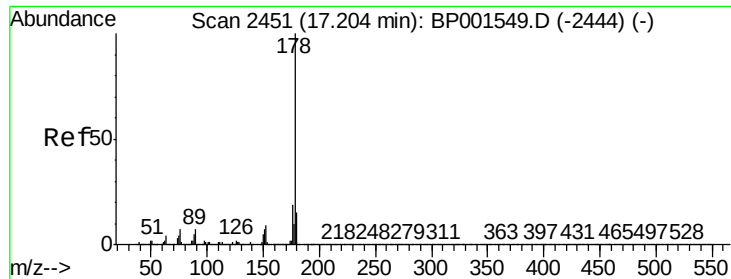
Tot Ion:188 Resp: 310880
Ion Ratio Lower Upper
188 100
94 8.1 5.9 8.9
80 9.7 6.8 10.2



#71
Phenanthrene
Concen: 8.260 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:178 Resp: 139655
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.2 12.5 18.7





#72

Anthracene

Concen: 4.629 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

ClientSampleId :

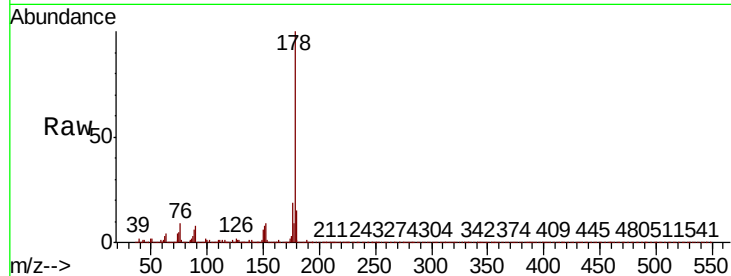
Tot Ion:178 Resp: 76184

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

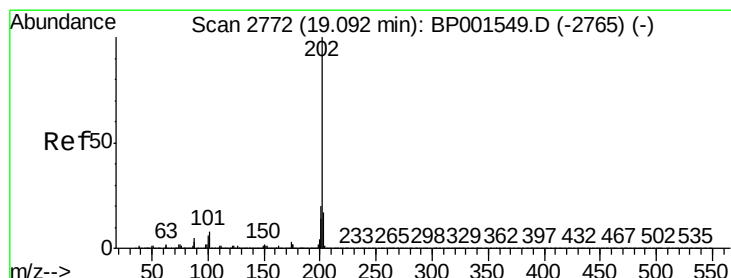
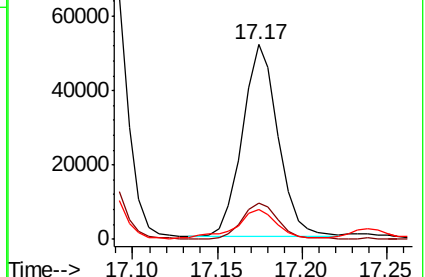
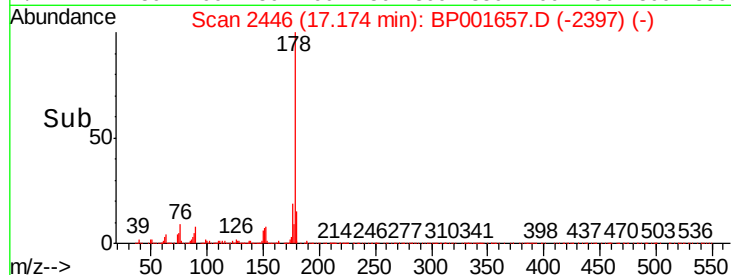
179 15.2 11.8 17.8



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: 56.494 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

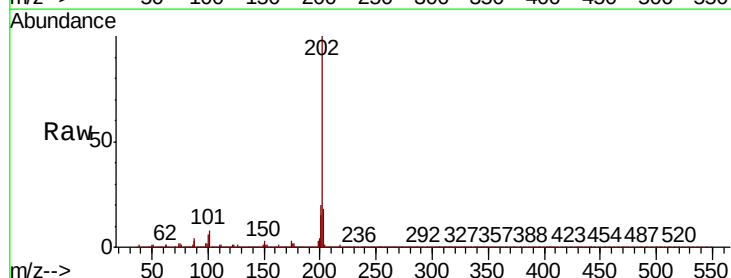
Tgt Ion:202 Resp: 1256776

Ion Ratio Lower Upper

202 100

101 7.9 0.0 28.4

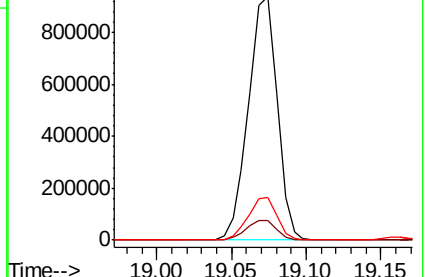
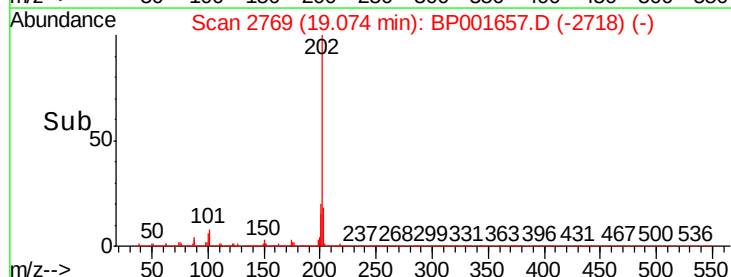
203 17.8 0.0 37.4

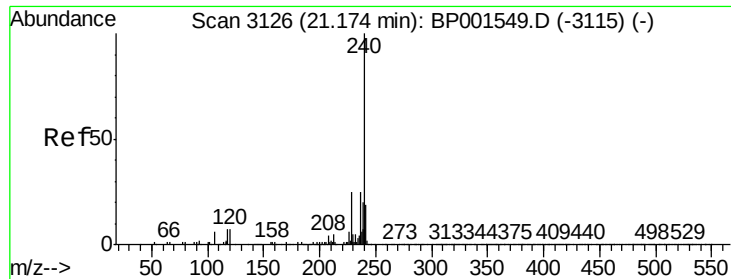


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

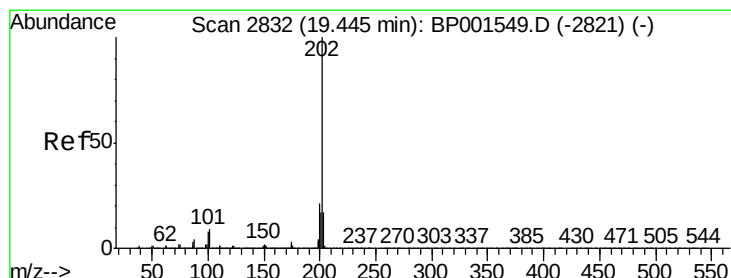
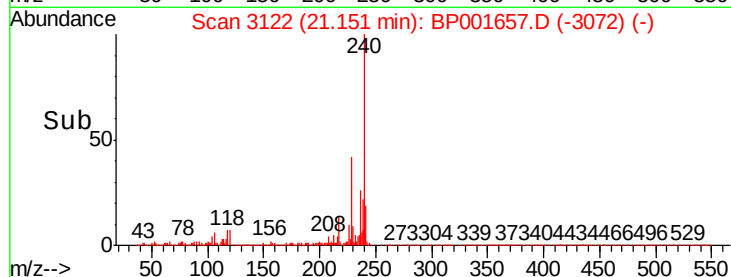
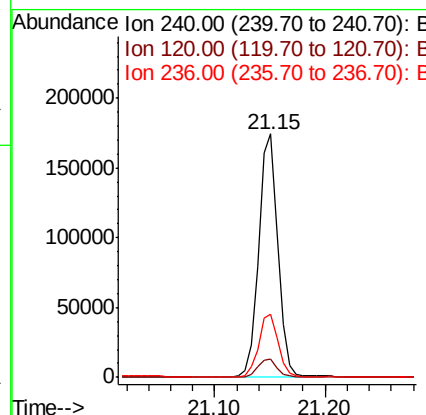
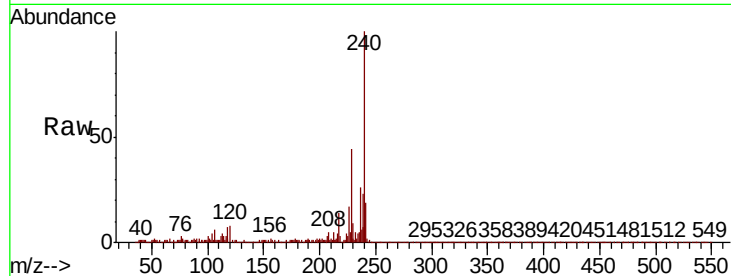




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

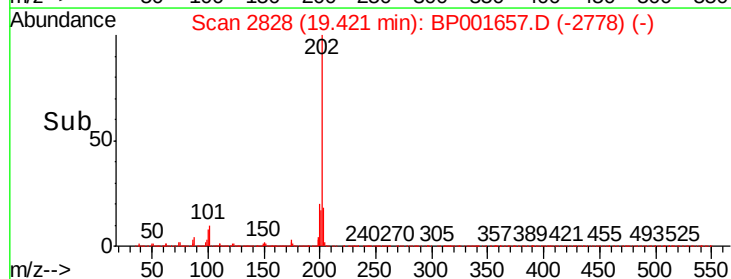
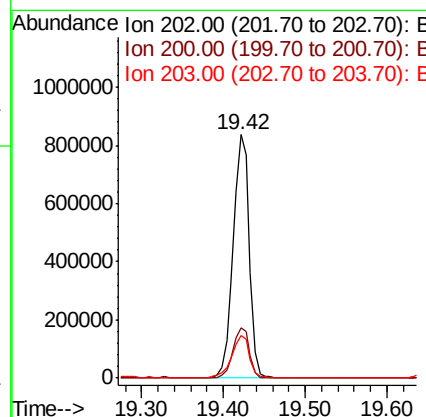
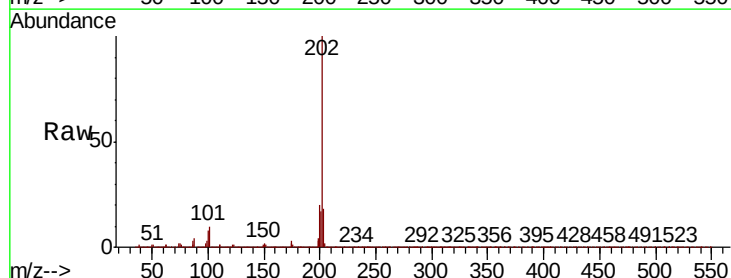
Instrument :
BNA_P
ClientSampleId :

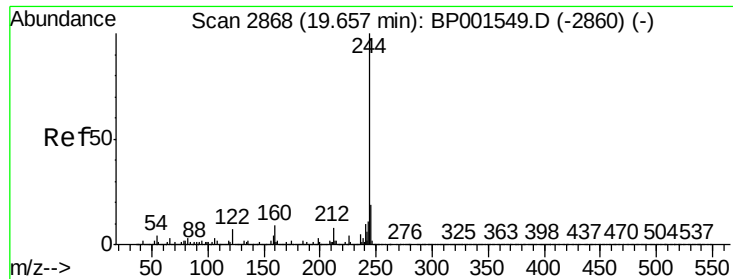
Tot Ion:240 Resp: 213090
Ion Ratio Lower Upper
240 100
120 7.5 5.7 8.5
236 26.1 20.4 30.6



#78
Pyrene
Concen: 72.841 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion:202 Resp: 1140193
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 17.7 13.7 20.5





#79

Terphenyl-d14

Concen: 17.317 ng

RT: 19.63 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BP001657.D

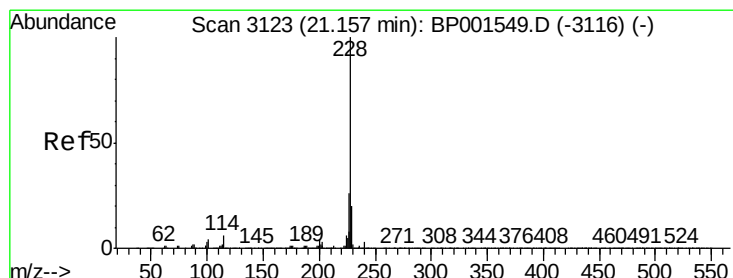
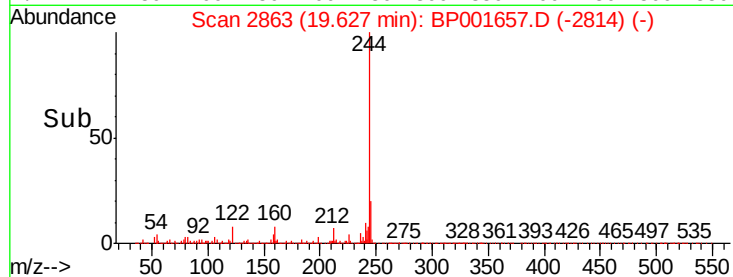
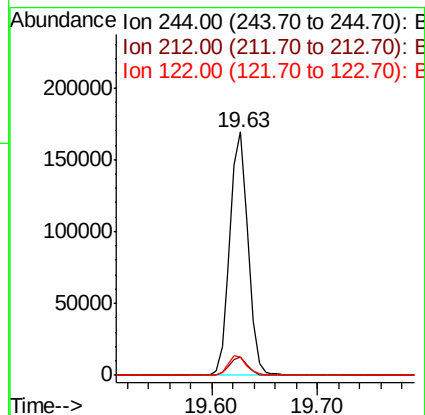
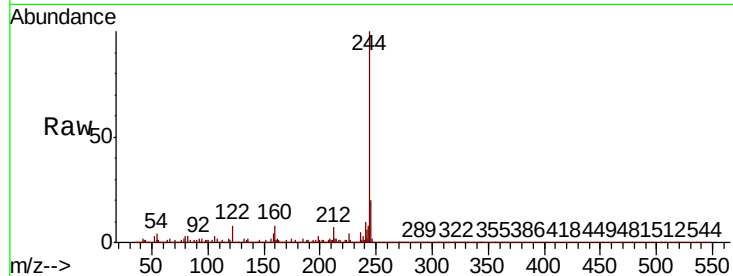
Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

ClientSampleId :

Tot Ion	244	Resp: Lower	201756 Upper
244	100		
212	7.4	6.3	9.5
122	7.8	5.8	8.6



#81

Benzo(a)anthracene

Concen: 42.027 ng

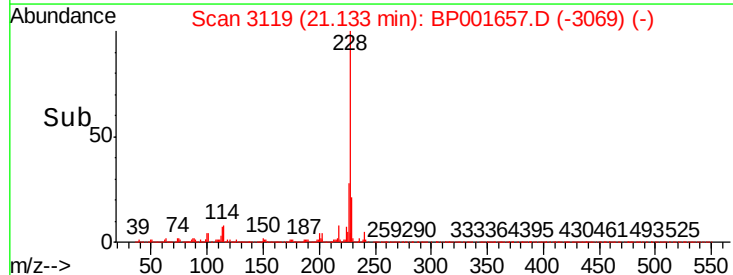
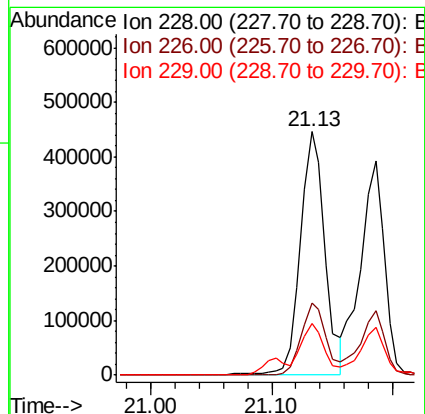
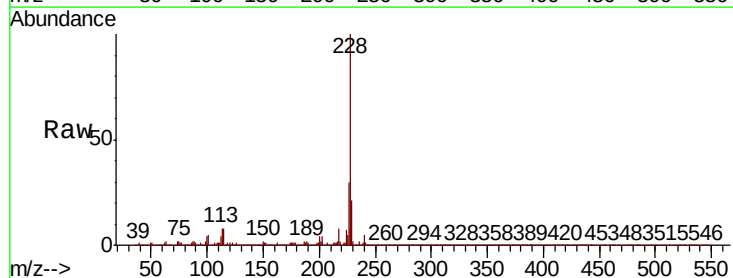
RT: 21.13 min Scan# 3119

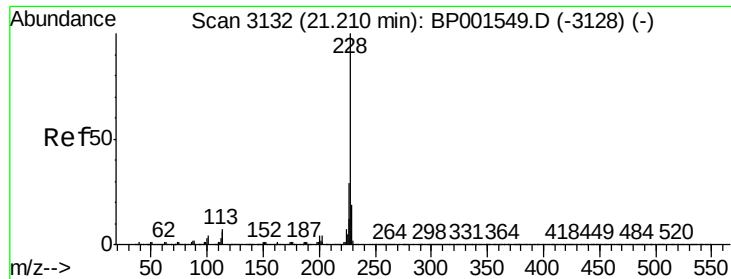
Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt	Ion:228	Resp:	623701
Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.2	31.8
229	21.0	16.1	24.1





#83

Chrysene

Concen: 37.524 ng

RT: 21.19 min Scan# 3128

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

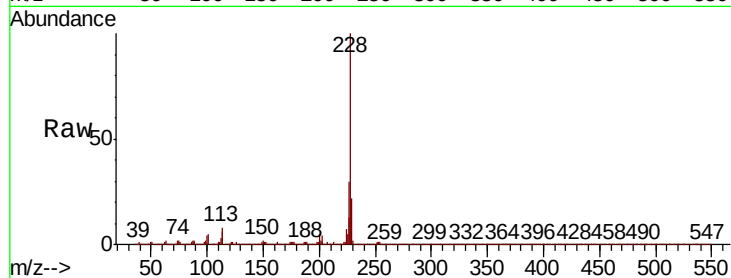
Instrument :

BNA_P

ClientSampled :

Tot Ion:228 Resp: 542697

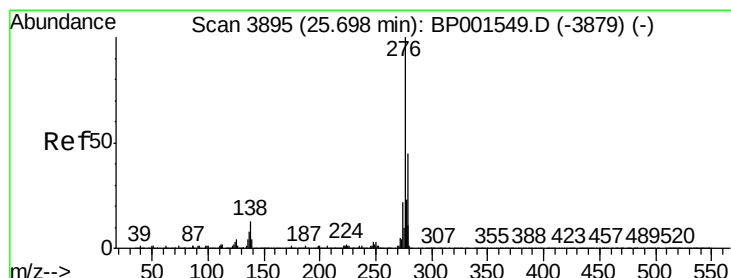
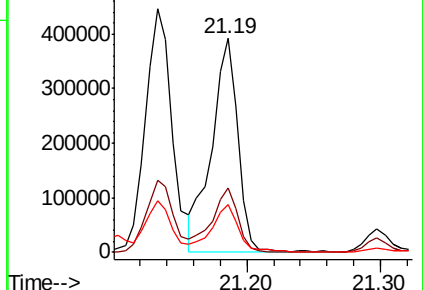
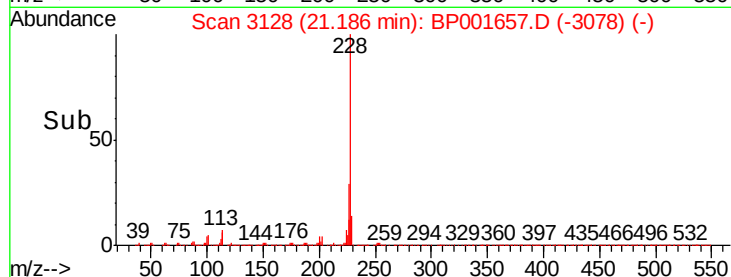
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	22.2	15.2	22.8



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: 20.627 ng

RT: 25.64 min Scan# 3885

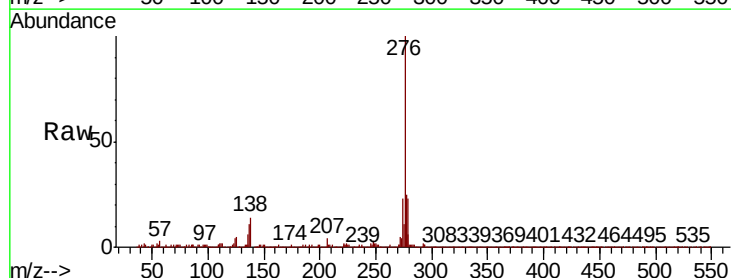
Delta R.T. -0.02 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Tgt Ion:276 Resp: 349199

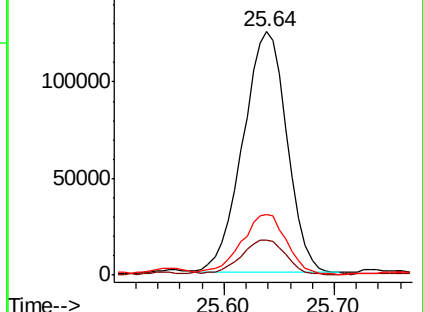
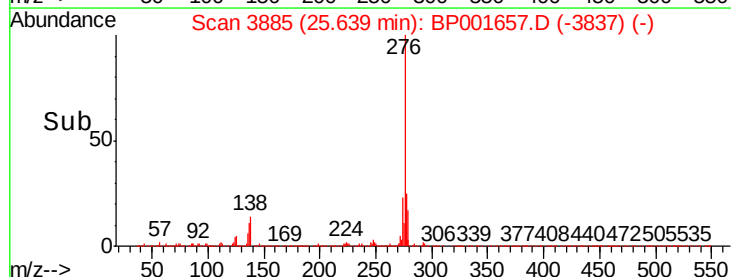
Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.1	16.7
277	25.2	20.4	30.6

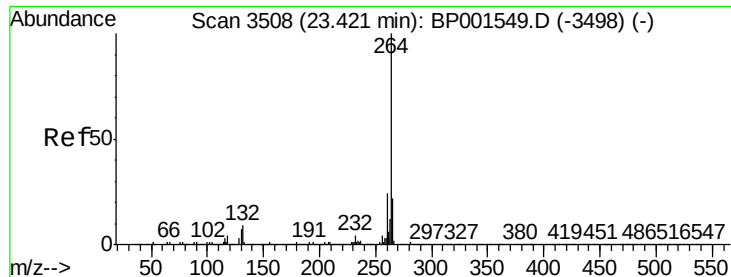


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

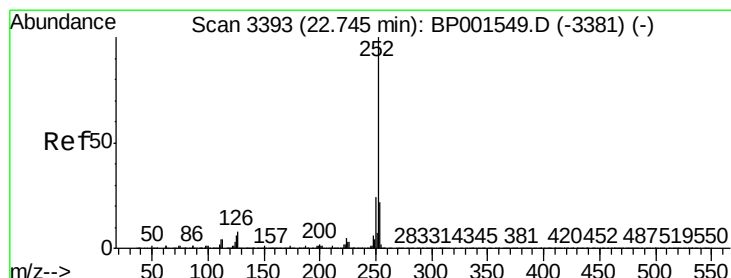
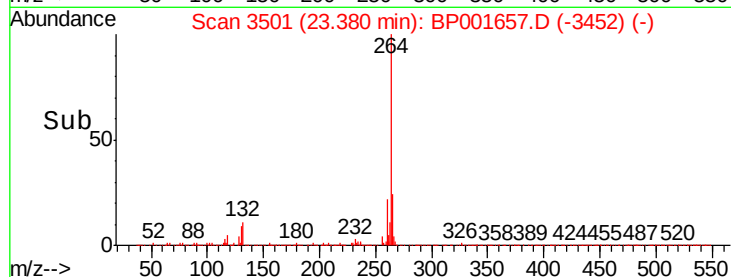
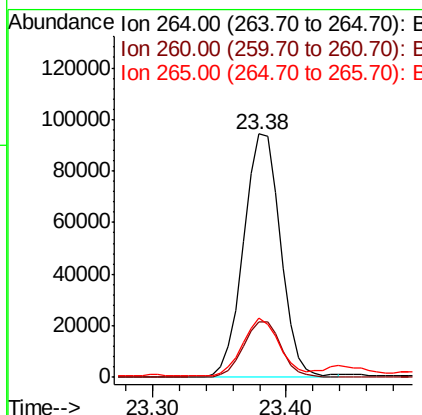
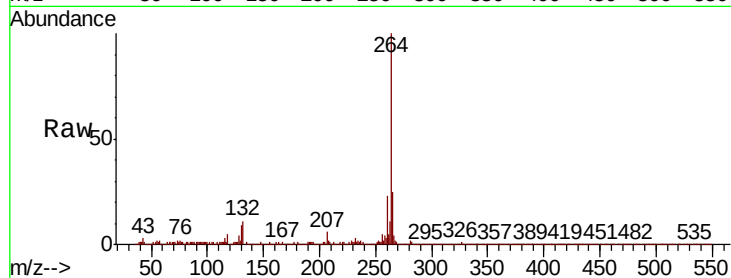




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

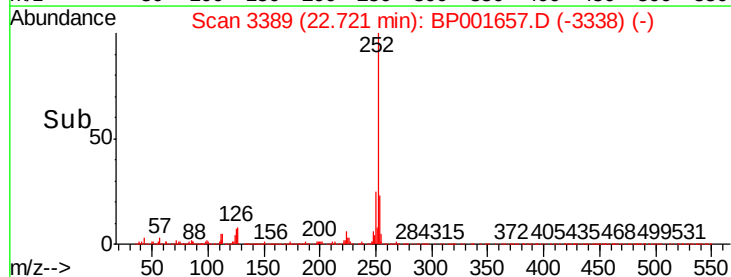
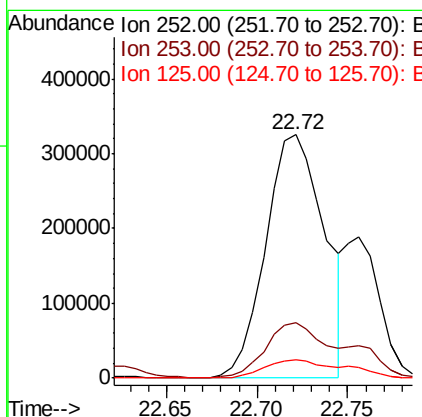
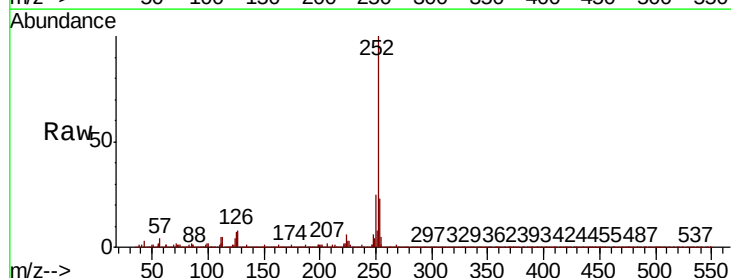
Instrument :
BNA_P
ClientSampleId :

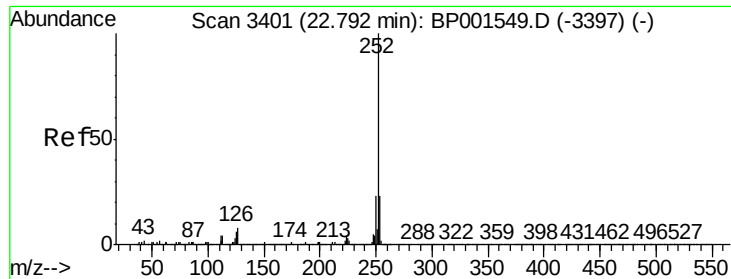
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	24.5	18.2	27.4



#88
Benzo(b)fluoranthene
Concen: 64.639 ng
RT: 22.72 min Scan# 3389
Delta R.T. -0.00 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	7.4	4.6	7.0





#89

Benzo(k)fluoranthene

Concen: 66.296 ng

RT: 22.72 min Scan# 3389

Delta R.T. -0.05 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

Instrument :

BNA_P

ClientSampleId :

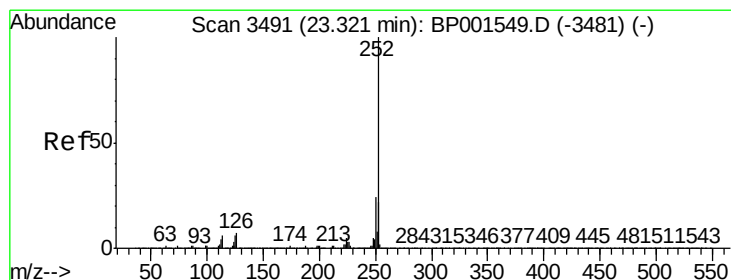
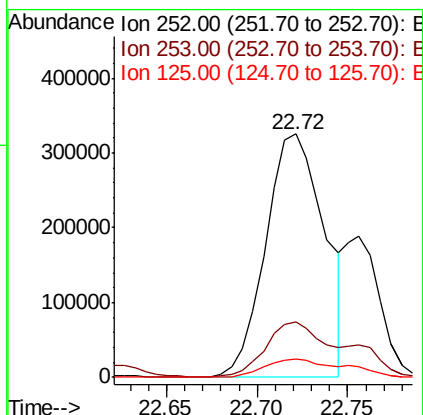
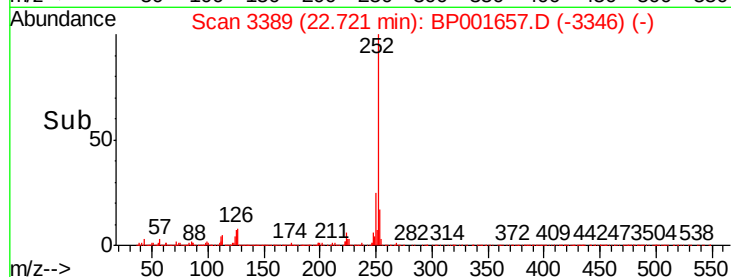
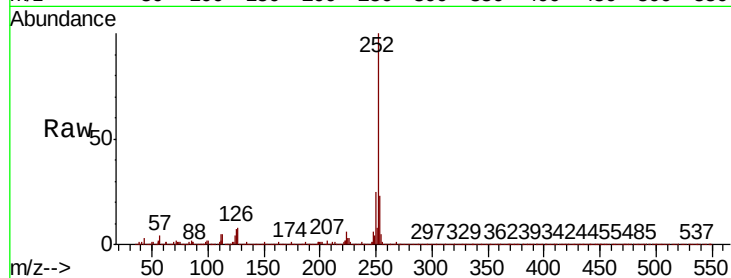
Tot Ion:252 Resp: 734185

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 7.4 4.6 6.8#



#90

Benzo(a)pyrene

Concen: 49.251 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001657.D

Acq: 17 Jan 2020 15:05

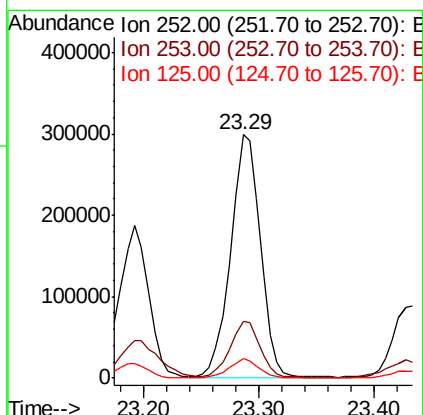
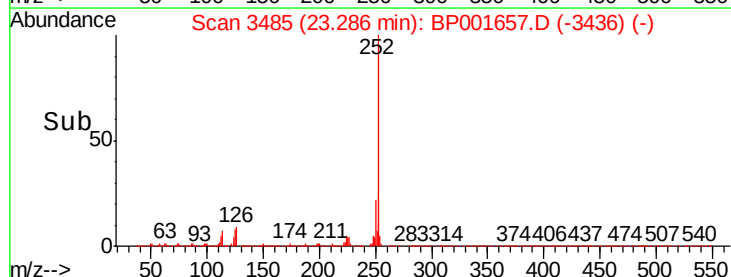
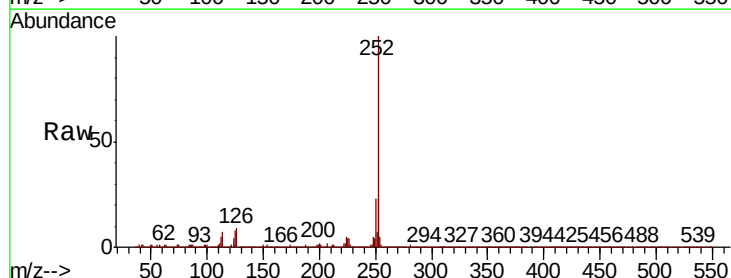
Tgt Ion:252 Resp: 531145

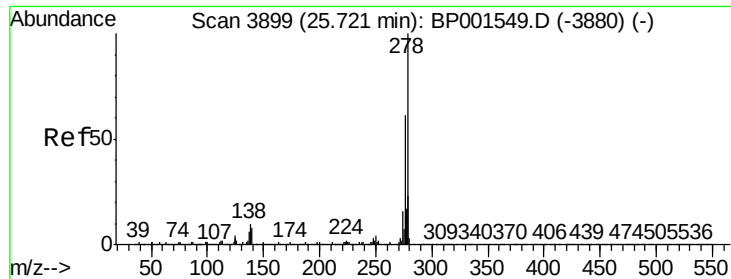
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 8.1 5.0 7.4#

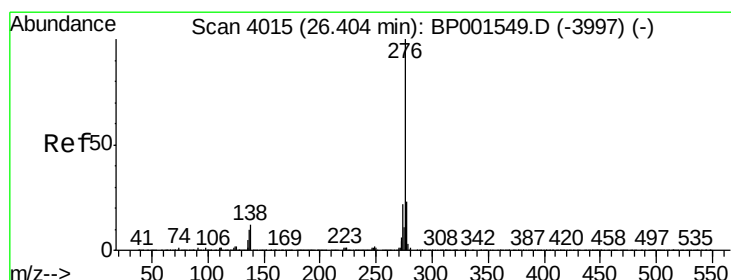
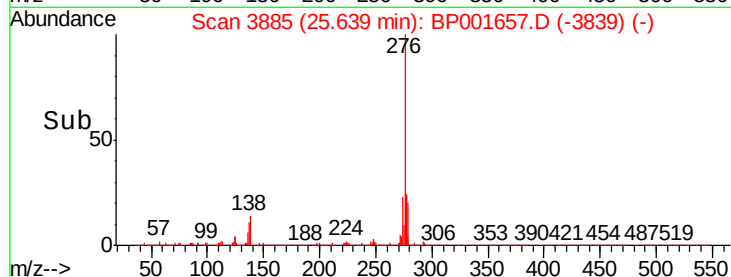
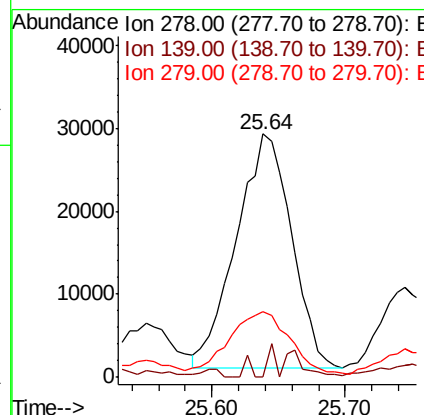
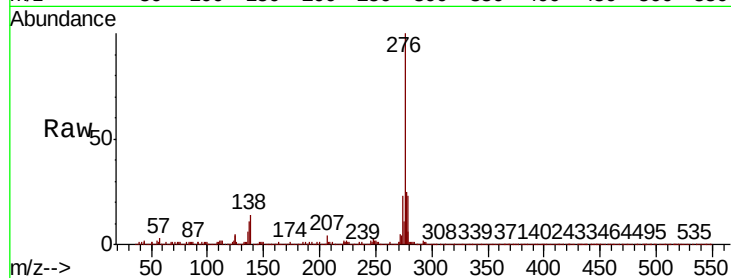




#91
Dibenzo(a,h)anthracene
Concen: 7.309 ng
RT: 25.64 min Scan# 3885
Delta R.T. -0.03 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.7	10.1#
279	27.1	18.6	28.0



#92
Benzo(g,h,i)perylene
Concen: 28.933 ng
RT: 26.33 min Scan# 4002
Delta R.T. -0.01 min
Lab File: BP001657.D
Acq: 17 Jan 2020 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	14.4	9.4	14.2#

