

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001655.D
 Acq On : 17 Jan 2020 13:58
 Operator : JU
 Sample : L1148-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 18 02:31:43 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	53096	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	211092	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	151225	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	317679	20.00	ng	0.00
76) Chrysene-d12	21.14	240	199991	20.00	ng	-0.01
87) Perylene-d12	23.38	264	187918	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	133291	49.18	ng	0.00
7) Phenol-d6	6.83	99	208977	48.24	ng	0.00
23) Nitrobenzene-d5	8.78	82	147559	30.55	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	80051	34.78	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	307312	29.88	ng	0.00
79) Terphenyl-d14	19.63	244	404204	36.97	ng	-0.01

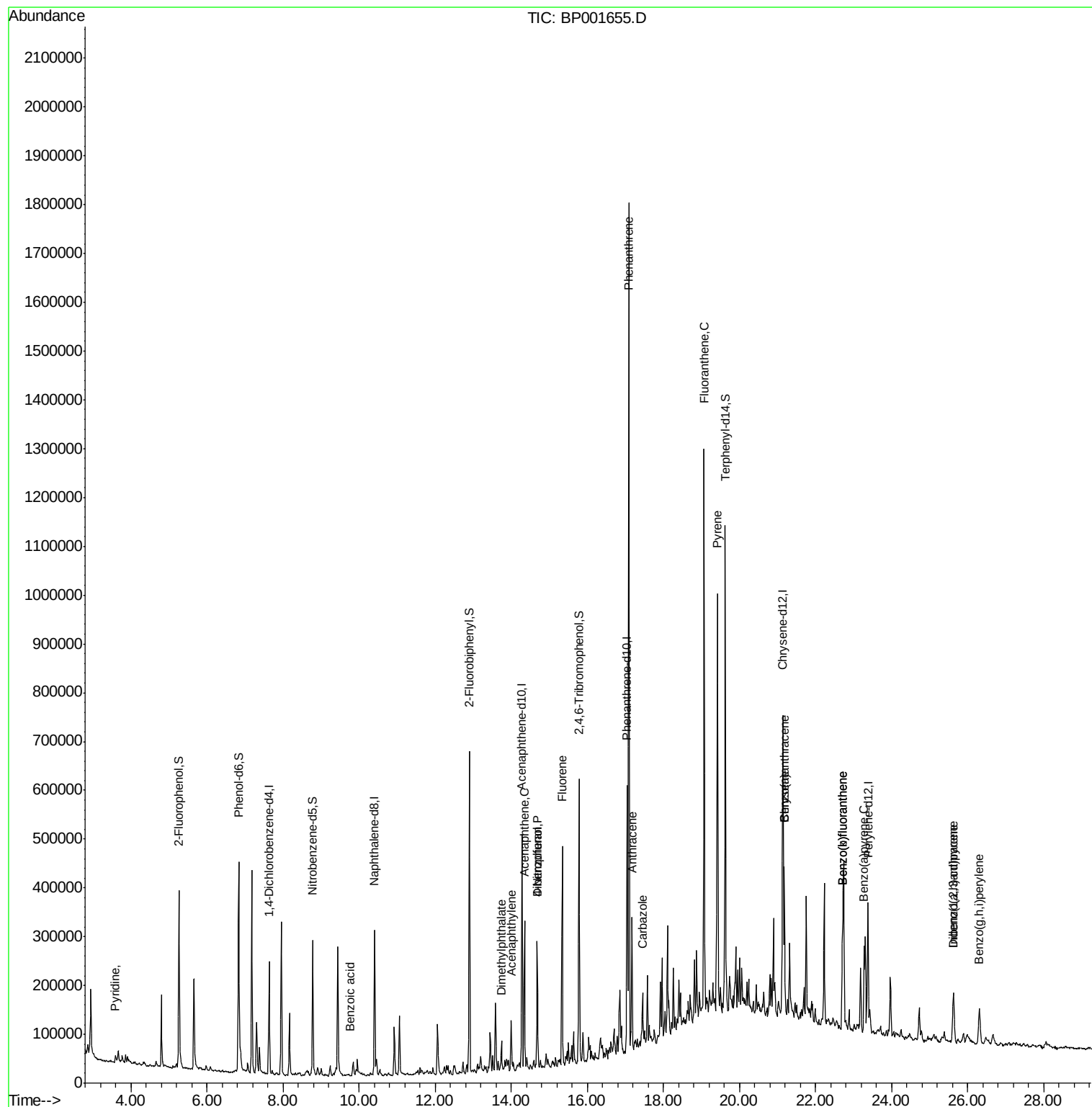
Target Compounds				Qvalue		
3) Pyridine	3.60	79	7365	2.356	ng	# 44
32) Benzoic acid	9.76	122	20	4.710	ng	# 1
49) Acenaphthylene	14.00	152	55388	3.988	ng	99
50) Dimethylphthalate	13.75	163	29559	2.373	ng	97
52) Acenaphthene	14.35	154	96972	11.273	ng	98
55) Dibenzofuran	14.68	168	141807	9.748	ng	98
56) 4-Nitrophenol	14.68	139	52615	23.627	ng	# 1
58) Fluorene	15.34	166	178647	15.176	ng	99
71) Phenanthrene	17.09	178	960208	55.579	ng	99
72) Anthracene	17.17	178	155861	9.267	ng	99
73) Carbazole	17.45	167	64988	4.116	ng	98
75) Fluoranthene	19.07	202	635019	27.934	ng	99
78) Pyrene	19.42	202	509105	34.654	ng	98
81) Benzo(a)anthracene	21.18	228	161795	11.616	ng	93
83) Chrysene	21.18	228	161795	11.920	ng	95
86) Indeno(1,2,3-cd)pyrene	25.63	276	84605	5.325	ng	98
88) Benzo(b)fluoranthene	22.71	252	229984	19.422	ng	98
89) Benzo(k)fluoranthene	22.71	252	229984	19.920	ng	99
90) Benzo(a)pyrene	23.28	252	121260	10.785	ng	# 98
91) Dibenzo(a,h)anthracene	25.63	278	25177	2.170	ng	# 94
92) Benzo(g,h,i)perylene	26.31	276	88902	7.709	ng	98

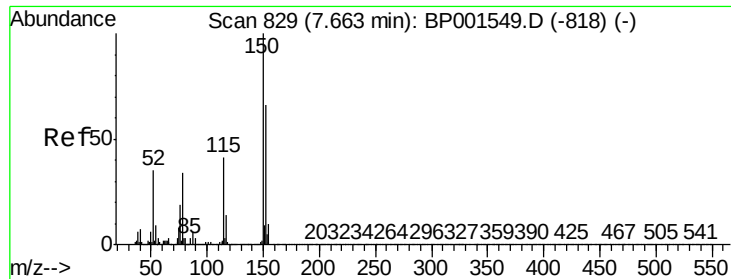
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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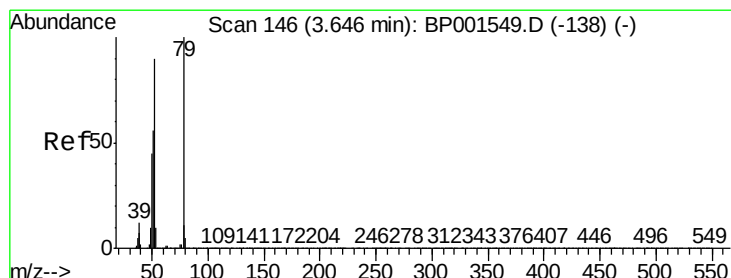
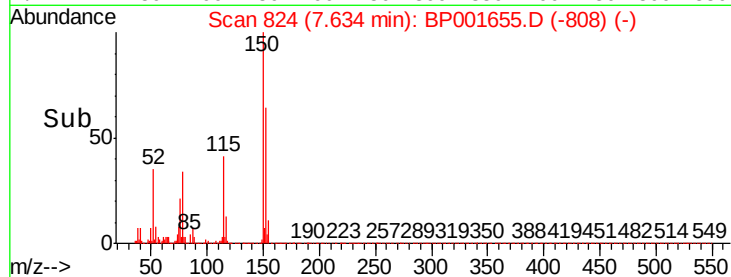
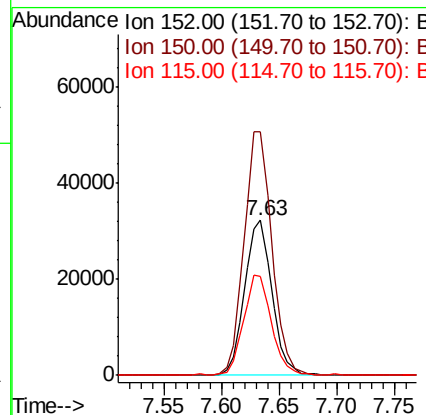
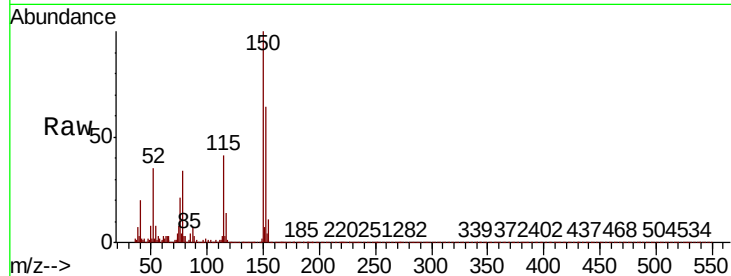


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :

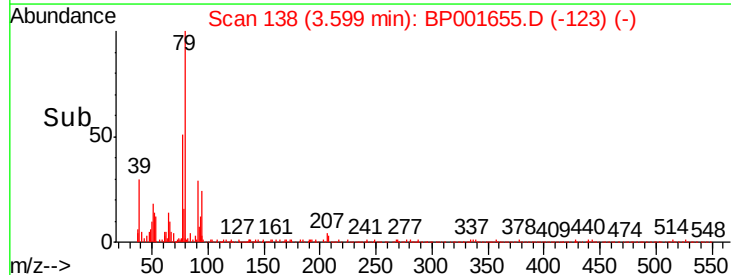
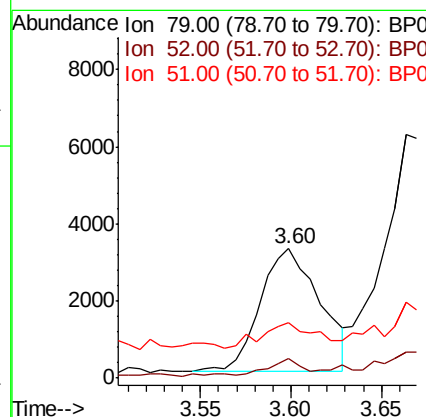
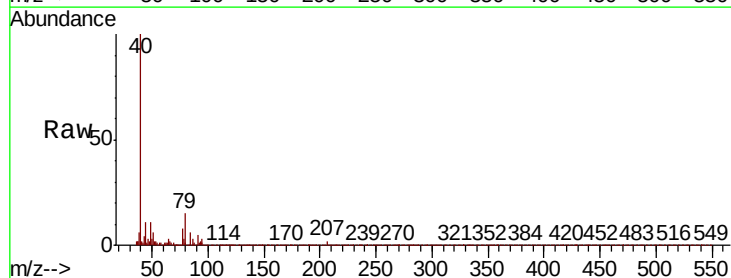
Tot Ion:152 Resp: 53096
Ion Ratio Lower Upper
152 100
150 157.3 122.0 183.0
115 64.1 50.7 76.1

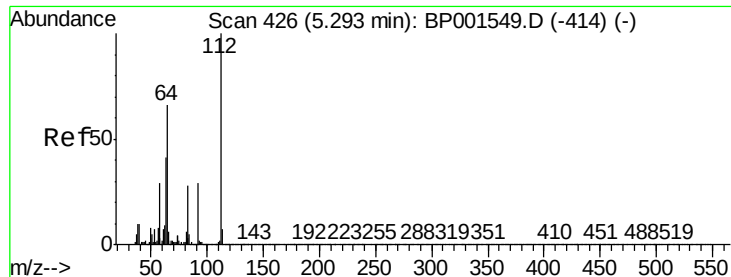


#3

Pyridine
Concen: 2.356 ng
RT: 3.60 min Scan# 138
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion: 79 Resp: 7365
Ion Ratio Lower Upper
79 100
52 14.9 72.1 108.1#
51 42.9 44.8 67.2#





#5

2-Fluorophenol

Concen: 49.176 ng

RT: 5.26 min Scan# 421

Delta R.T. -0.00 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampled :

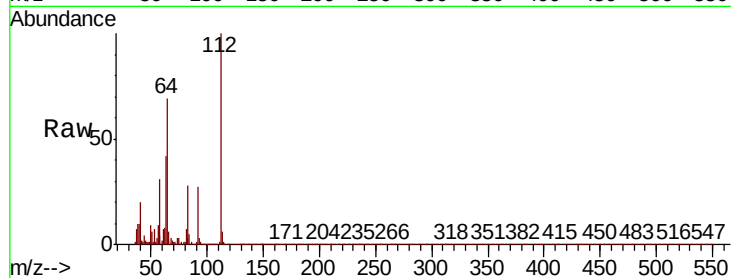
Tot Ion: 112 Resp: 133291

Ion Ratio Lower Upper

112 100

64 68.9 52.8 79.2

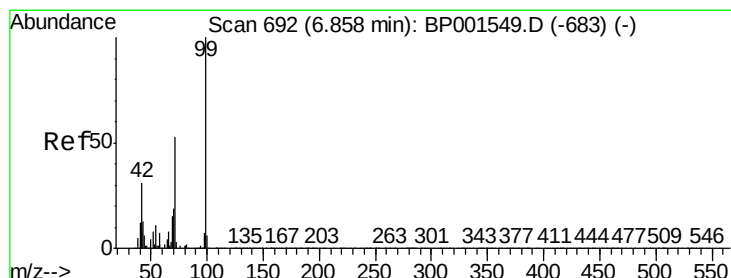
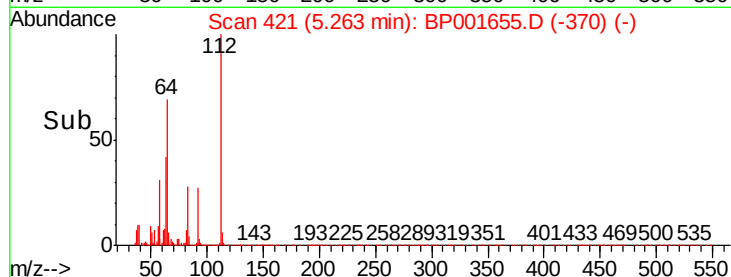
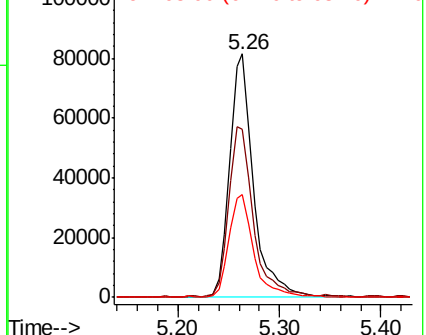
63 42.2 33.1 49.7



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: 48.241 ng

RT: 6.83 min Scan# 688

Delta R.T. -0.00 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

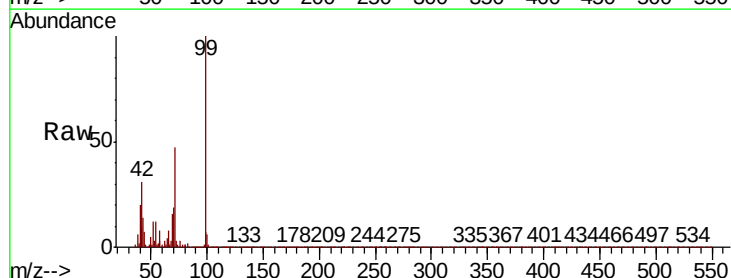
Tgt Ion: 99 Resp: 208977

Ion Ratio Lower Upper

99 100

42 31.2 24.5 36.7

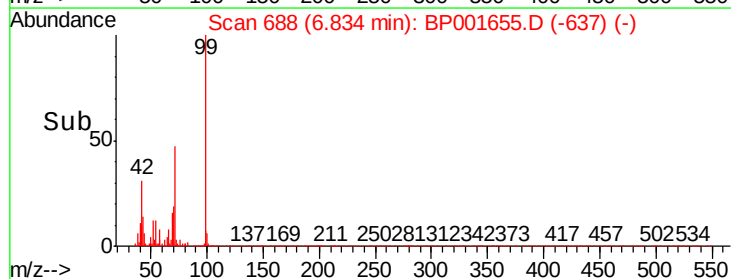
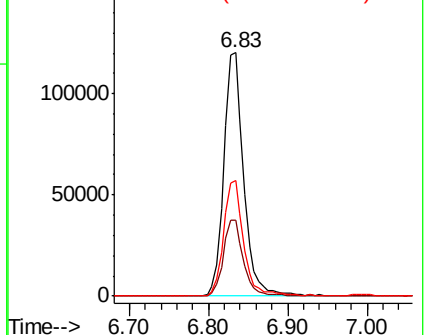
71 47.4 42.4 63.6

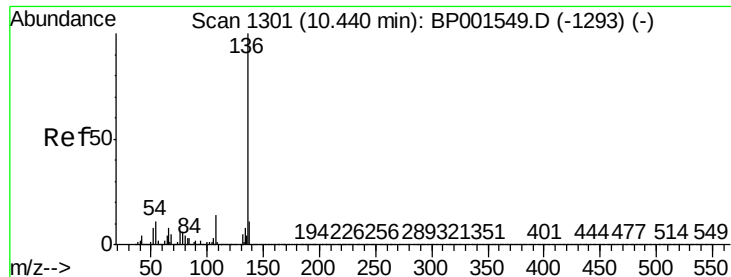


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

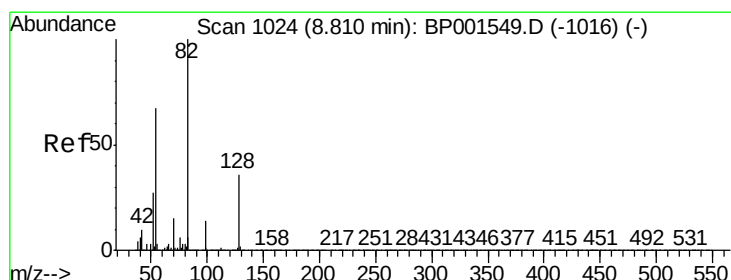
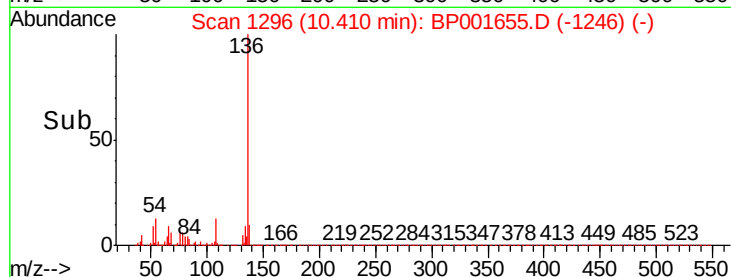
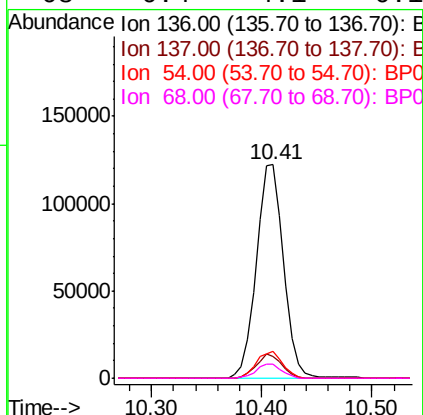
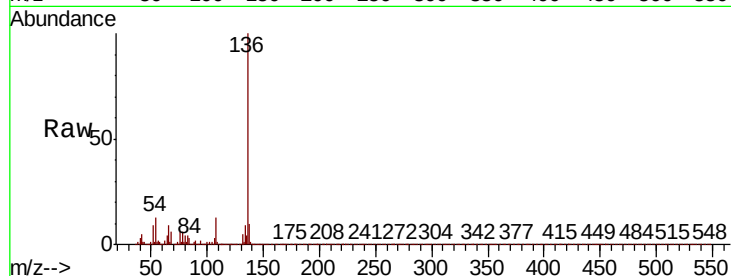




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.41 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

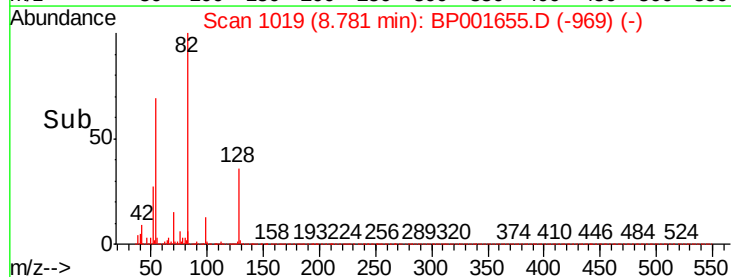
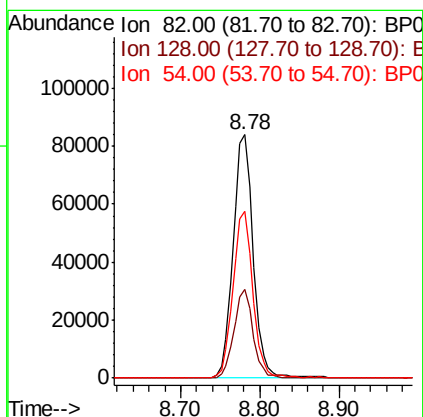
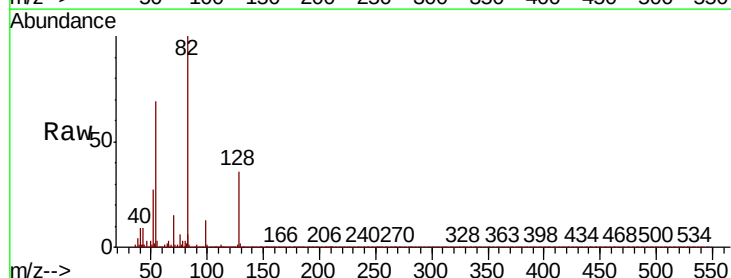
Instrument :
BNA_P
ClientSampleId :

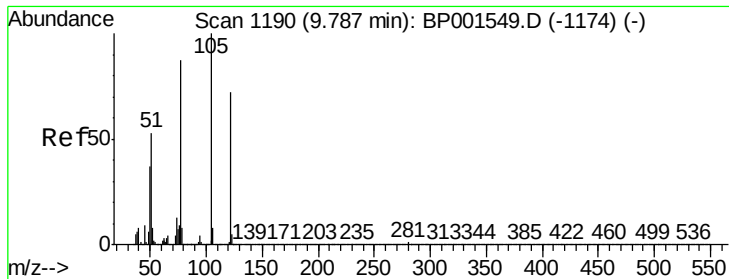
Tot Ion:136	Resp:	211092
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.6	12.8
54 12.8	9.2	13.8
68 6.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 30.546 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion: 82	Resp:	147559
Ion Ratio	Lower	Upper
82 100		
128 36.5	28.4	42.6
54 68.7	53.4	80.2

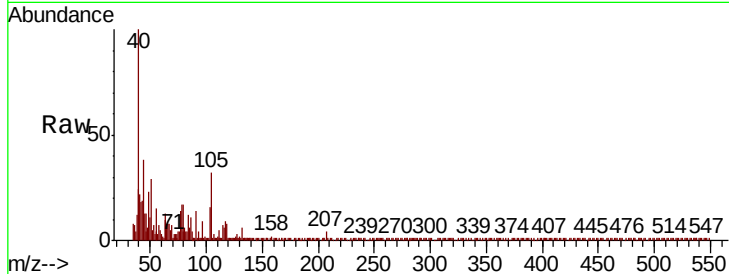




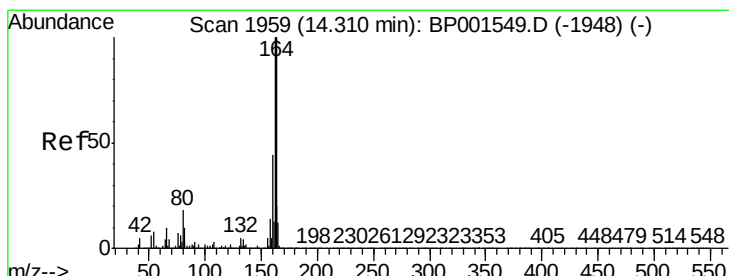
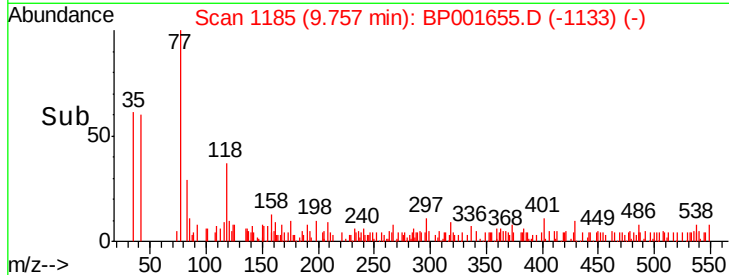
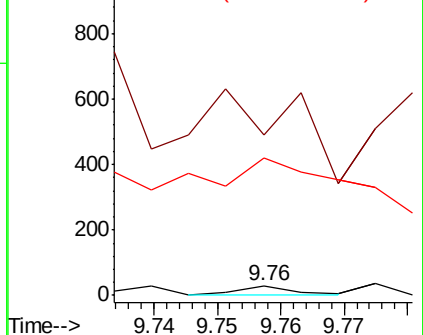
#32
Benzoic acid
Concen: 4.710 ng
RT: 9.76 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampled :

Tot Ion:122 Resp: 20
Ion Ratio Lower Upper
122 100
105 1633.3 119.5 159.5#
77 1396.7 102.8 142.8#

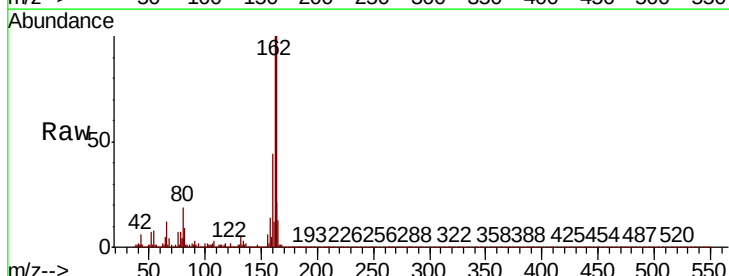


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BP0

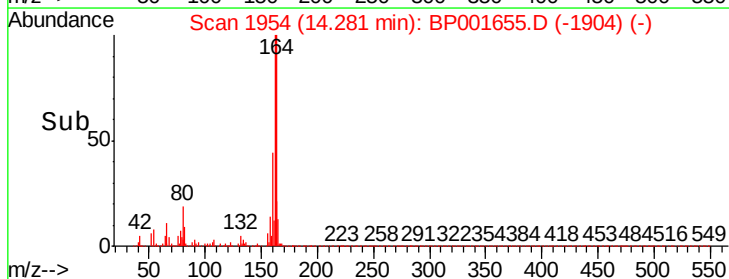
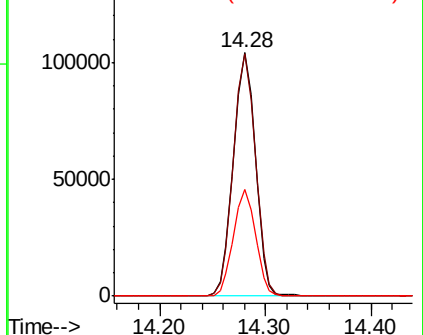


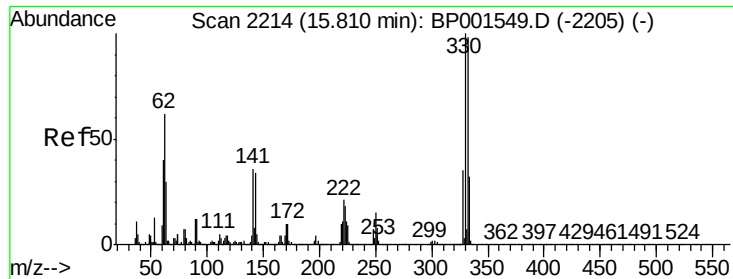
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion:164 Resp: 151225
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.6
160 43.7 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

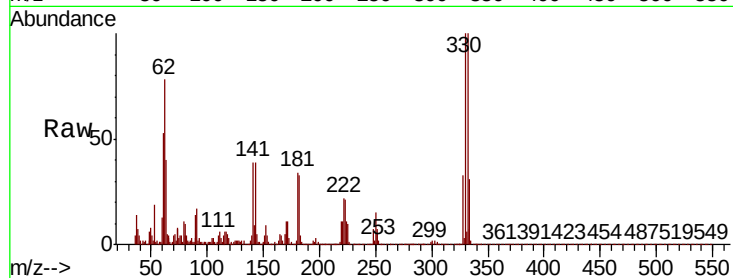




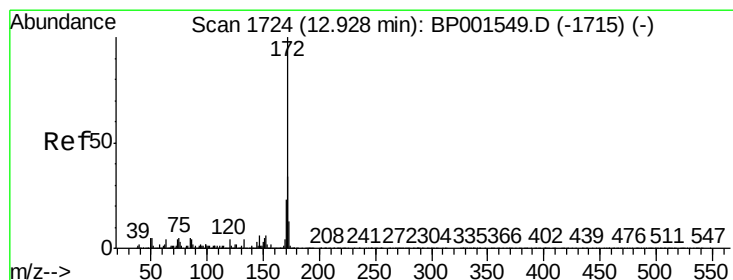
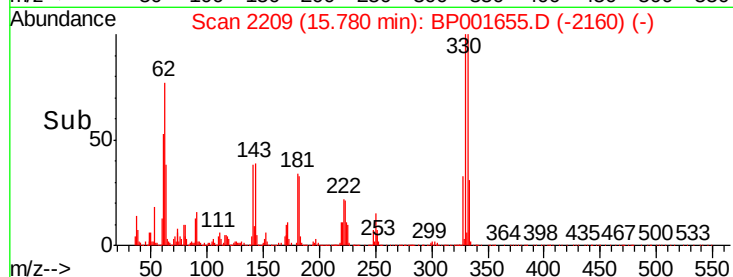
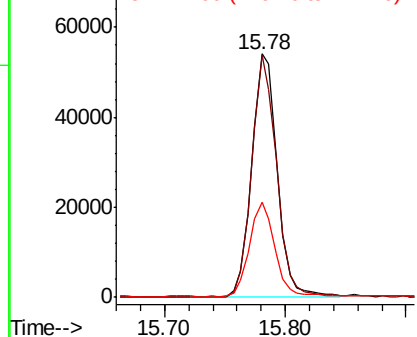
#42
2,4,6-Tribromophenol
Concen: 34.775 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.8	116.6
141	38.9	28.7	43.1

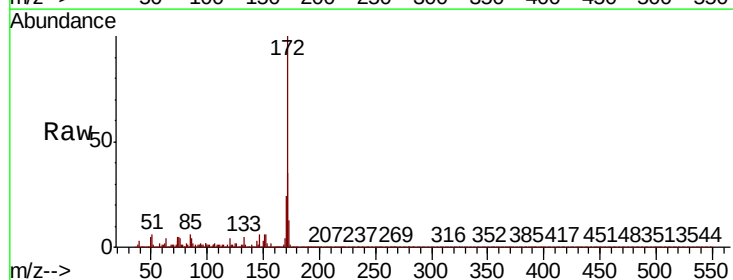


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

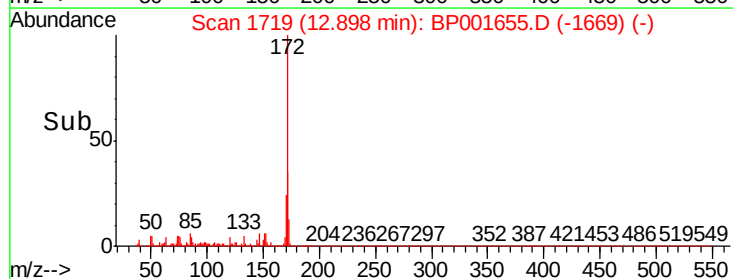
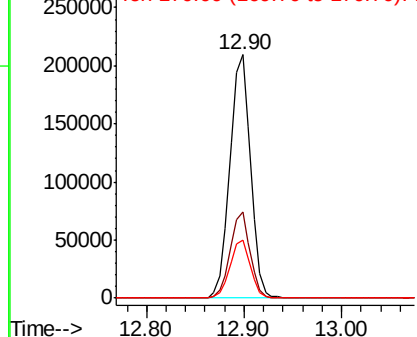


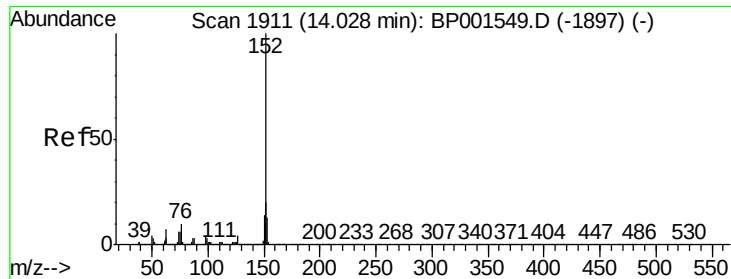
#45
2-Fluorobiphenyl
Concen: 29.878 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.6	41.4
170	23.6	18.3	27.5



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





#49

Acenaphthylene

Concen: 3.988 ng

RT: 14.00 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

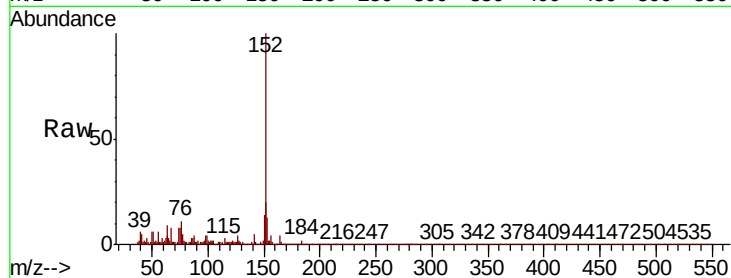
Tot Ion:152 Resp: 55388

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	12.6	10.4	15.6

152 100

151 20.2 15.9 23.9

153 12.6 10.4 15.6

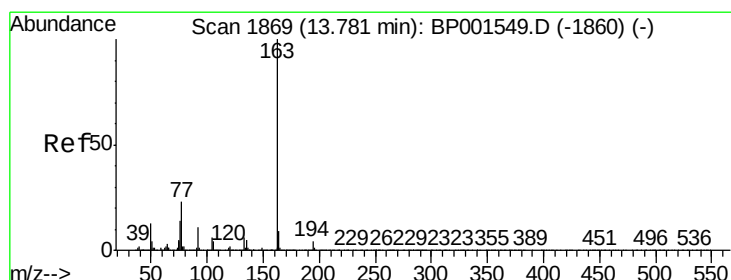
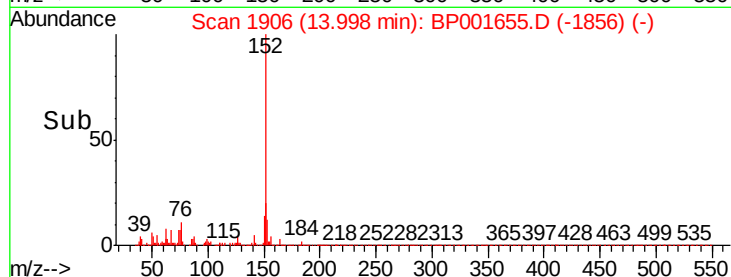
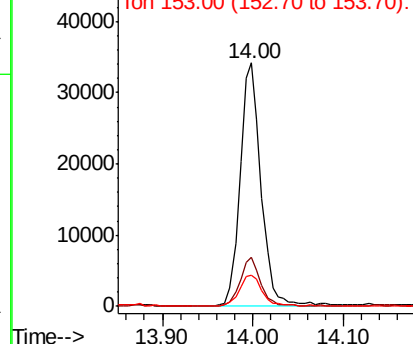


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.373 ng

RT: 13.75 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

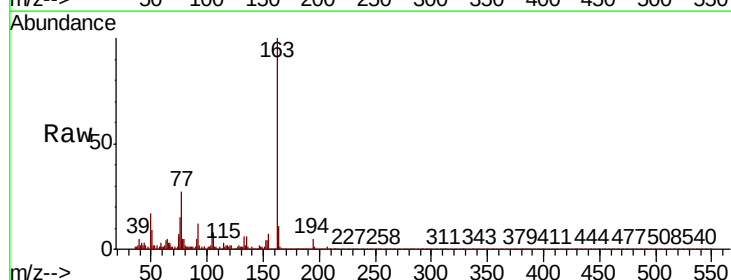
Tgt Ion:163 Resp: 29559

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	11.2	7.5	11.3

163 100

194 4.5 3.6 5.4

164 11.2 7.5 11.3

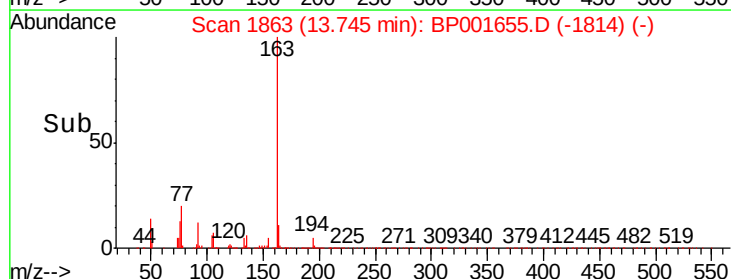
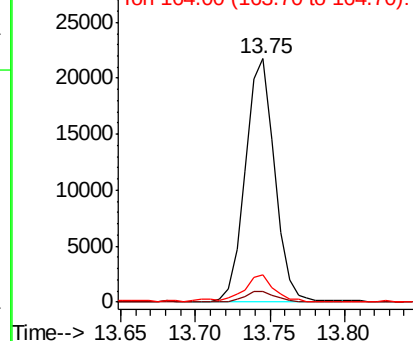


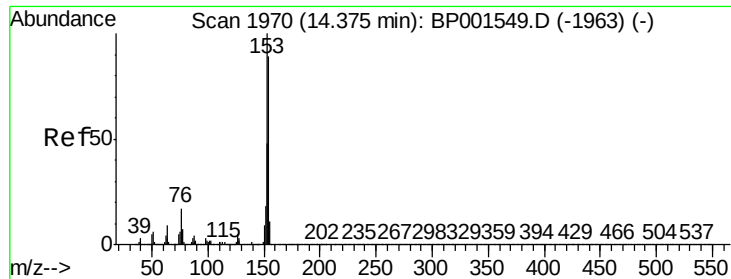
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 11.273 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

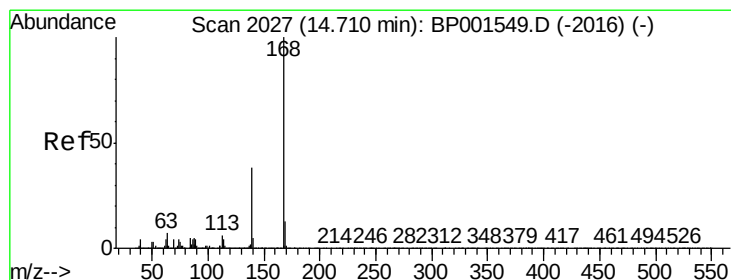
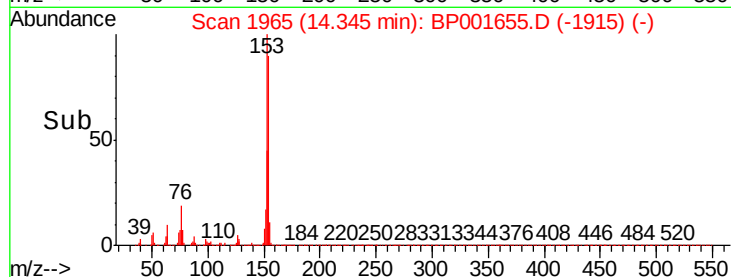
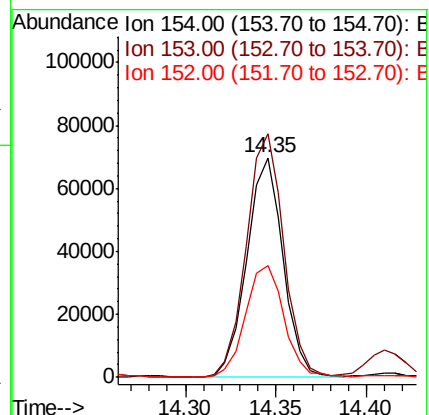
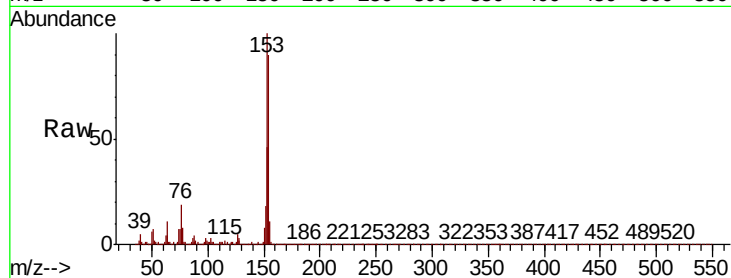
Tot Ion:154 Resp: 96972

Ion Ratio Lower Upper

154 100

153 110.9 89.4 134.2

152 50.6 42.6 64.0



#55

Dibenzofuran

Concen: 9.748 ng

RT: 14.68 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

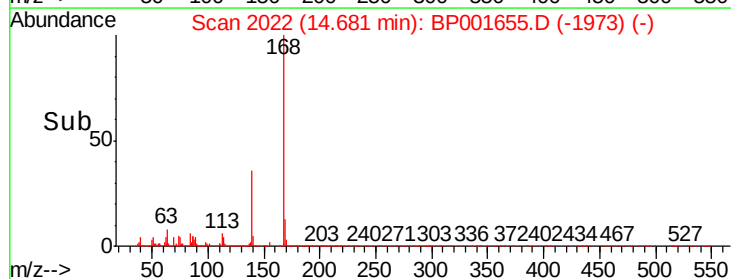
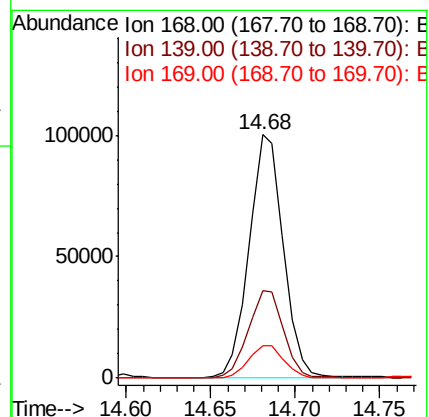
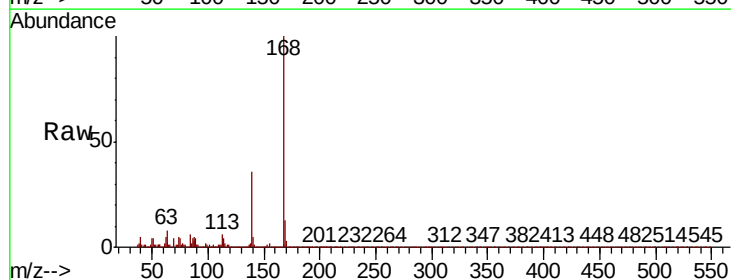
Tgt Ion:168 Resp: 141807

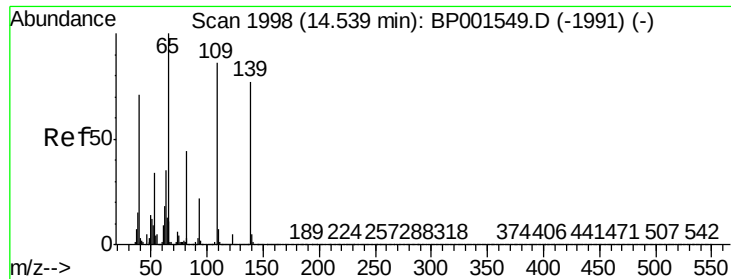
Ion Ratio Lower Upper

168 100

139 35.9 30.2 45.4

169 13.3 10.6 16.0

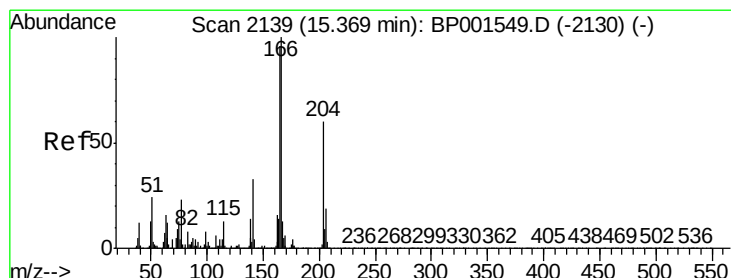
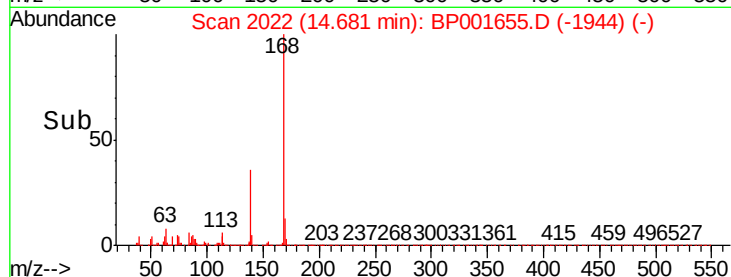
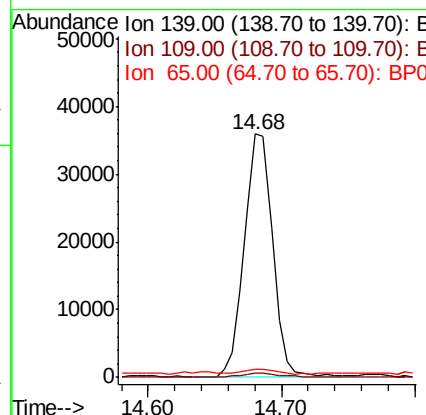
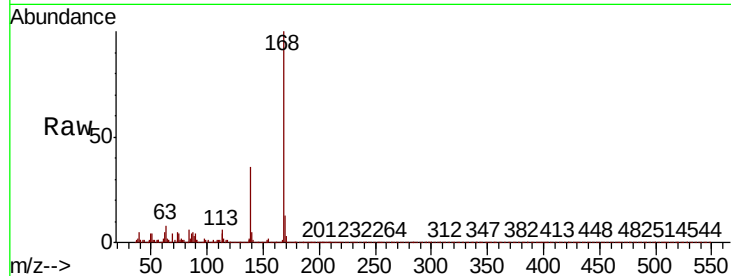




#56
4-Nitrophenol
Concen: 23.627 ng
RT: 14.68 min Scan# 2022
Delta R.T. 0.16 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

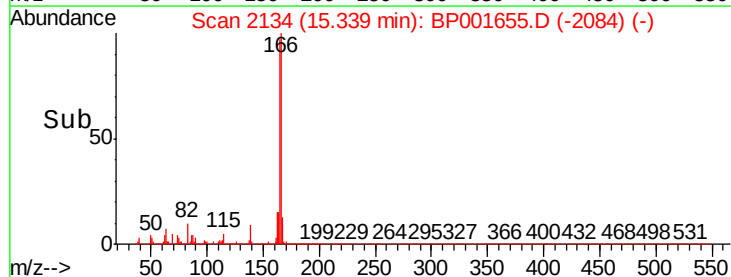
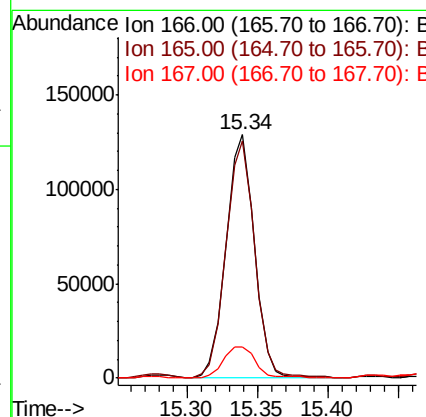
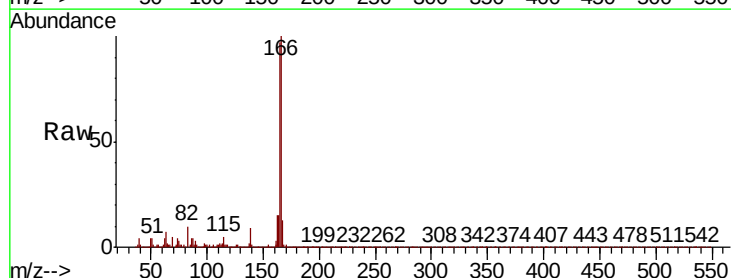
Instrument :
BNA_P
ClientSampled :

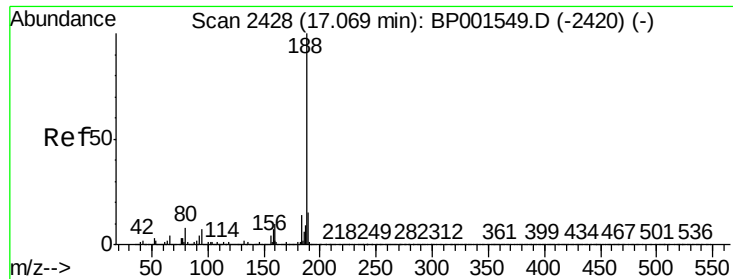
Tot Ion	Ratio	Lower	Upper
139	100		
109	1.7	92.7	132.7#
65	3.6	111.1	151.1#



#58
Fluorene
Concen: 15.176 ng
RT: 15.34 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.9	115.3
167	13.0	10.3	15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampled :

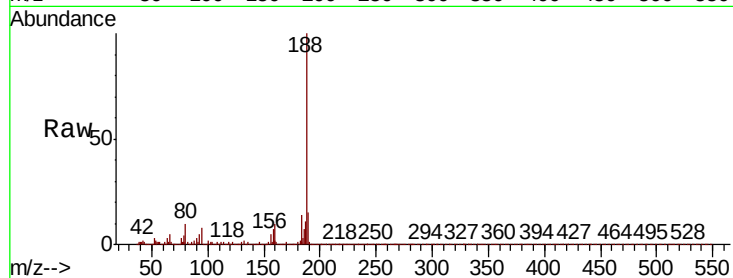
Tot Ion:188 Resp: 317679

Ion Ratio Lower Upper

188 100

94 7.9 5.9 8.9

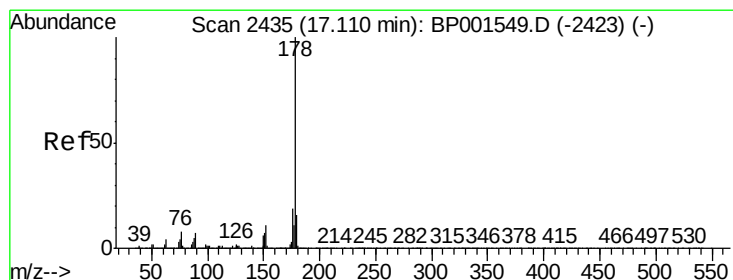
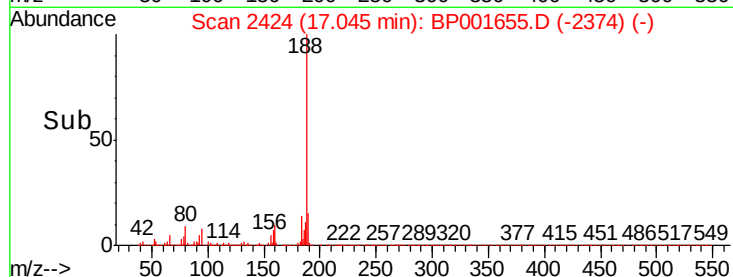
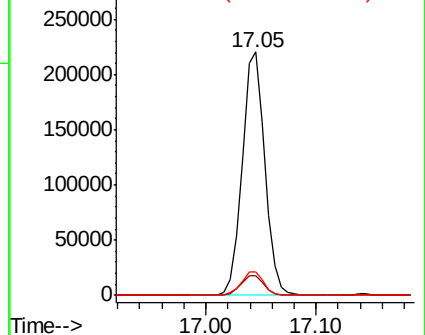
80 9.6 6.8 10.2



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: 55.579 ng

RT: 17.09 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

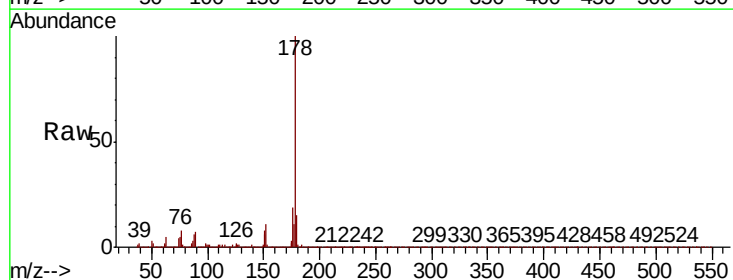
Tgt Ion:178 Resp: 960208

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

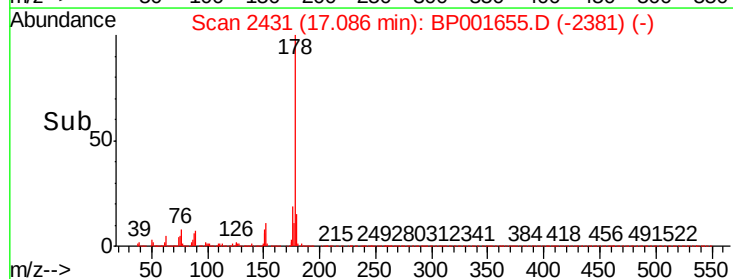
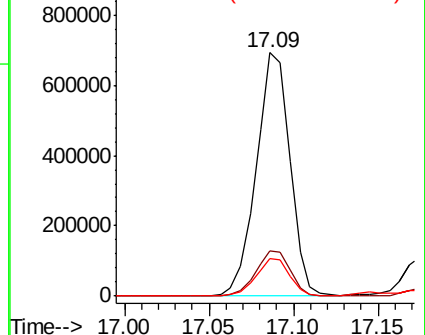
179 15.2 12.5 18.7

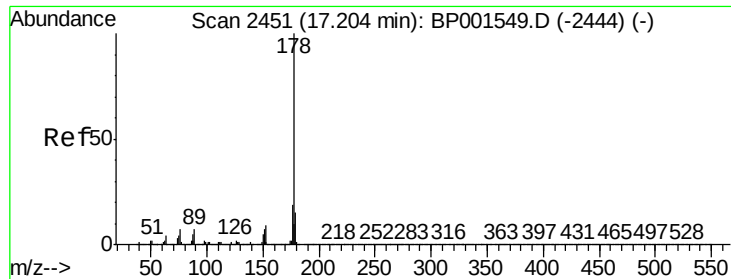


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 9.267 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampled :

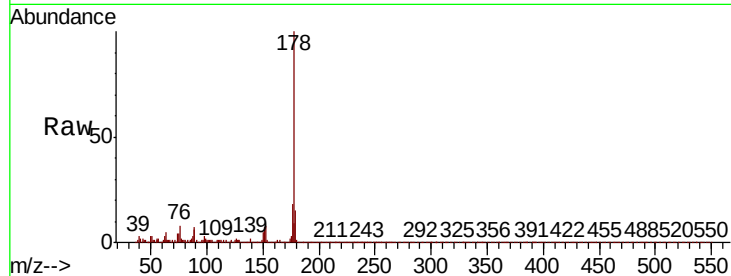
Tot Ion:178 Resp: 155861

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

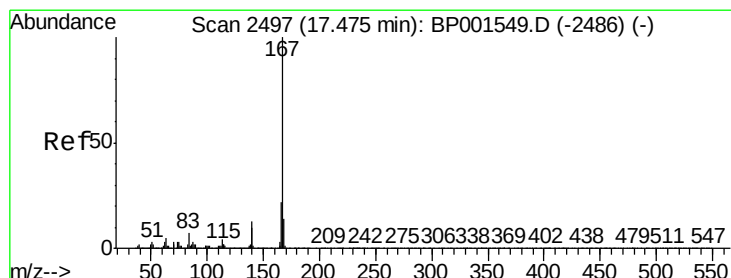
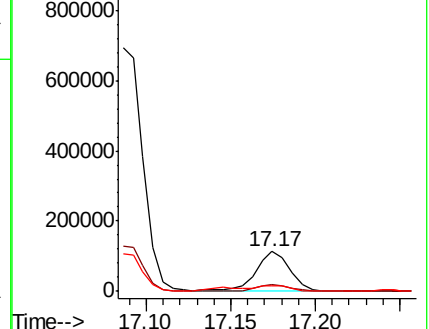
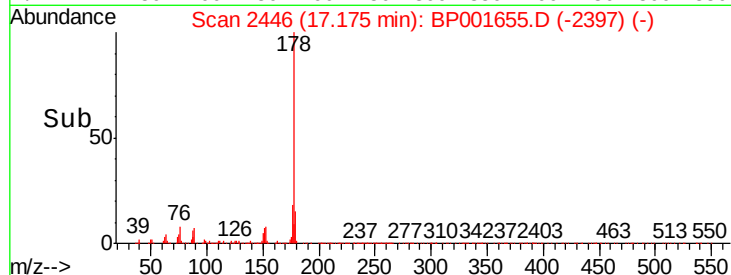
179 15.2 11.8 17.8



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



#73

Carbazole

Concen: 4.116 ng

RT: 17.45 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

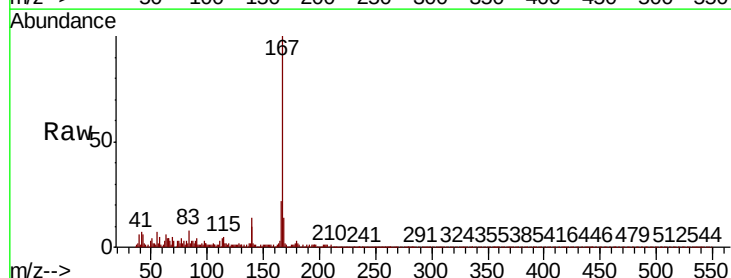
Tgt Ion:167 Resp: 64988

Ion Ratio Lower Upper

167 100

166 21.9 17.2 25.8

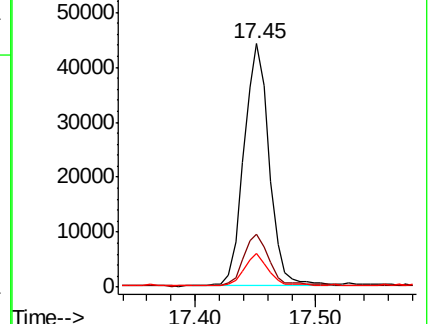
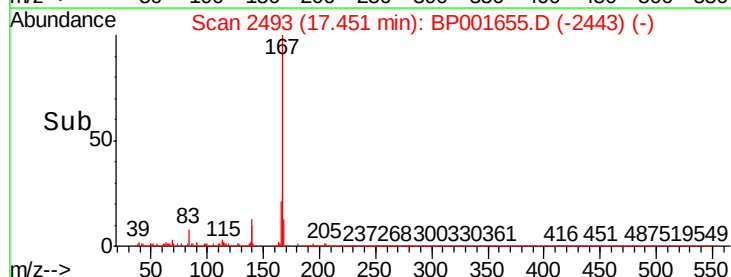
139 13.8 10.0 15.0

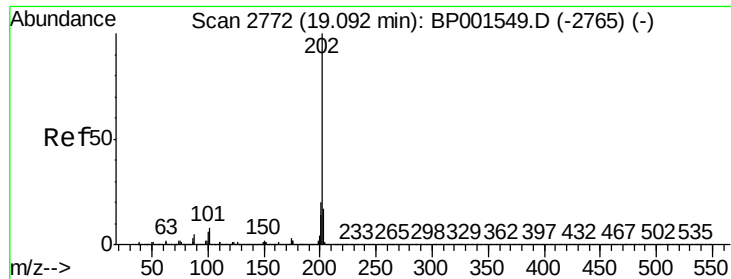


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 27.934 ng

RT: 19.07 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BP001655.D

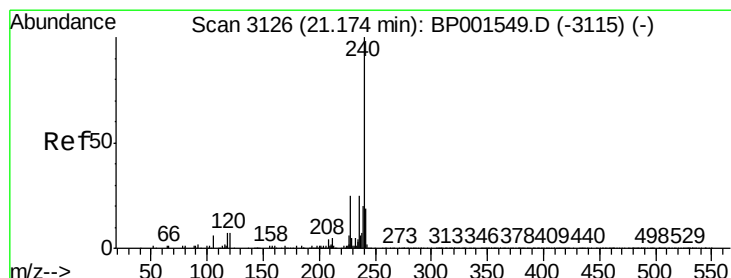
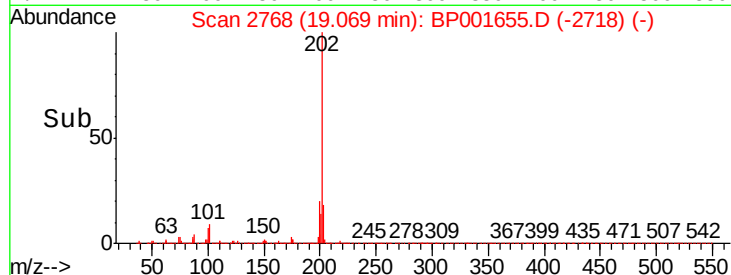
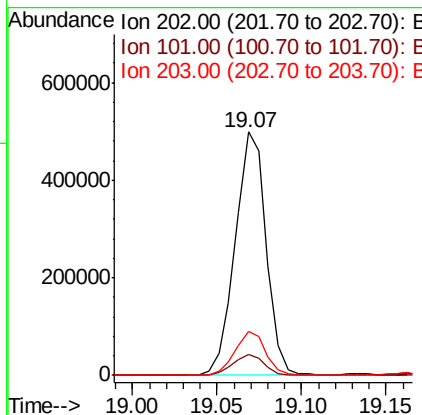
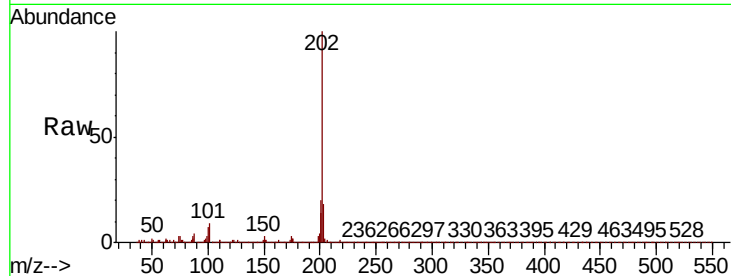
Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	635019
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	18.2	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

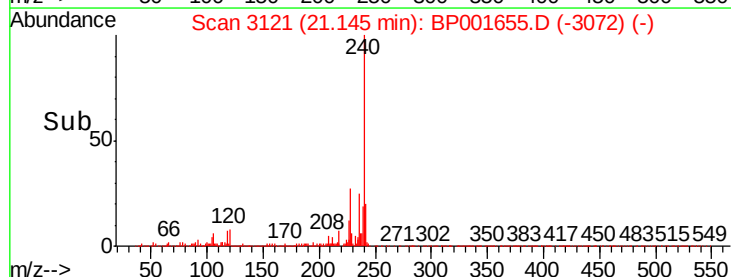
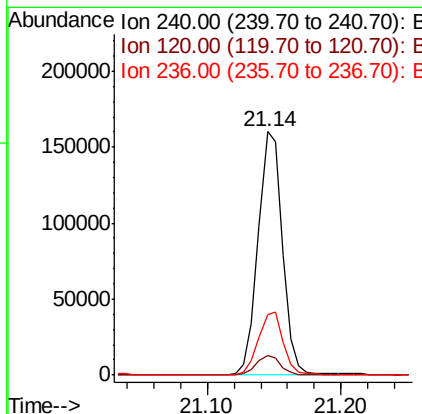
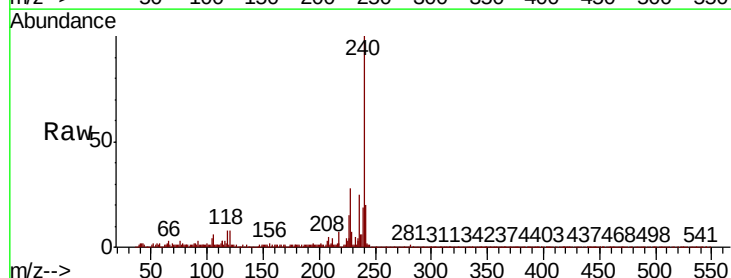
RT: 21.14 min Scan# 3121

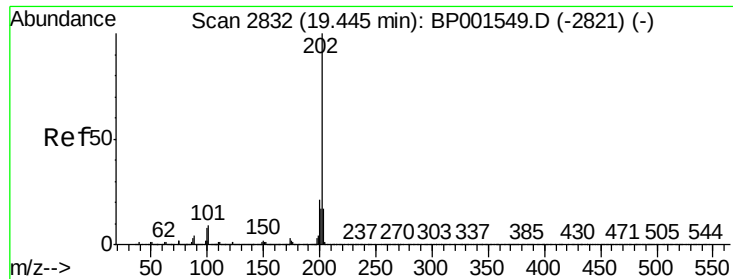
Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion:	240	Resp:	199991
Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.7	8.5
236	24.9	20.4	30.6





#78

Pvrene

Concen: 34.654 ng

RT: 19.42 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BP001655.D

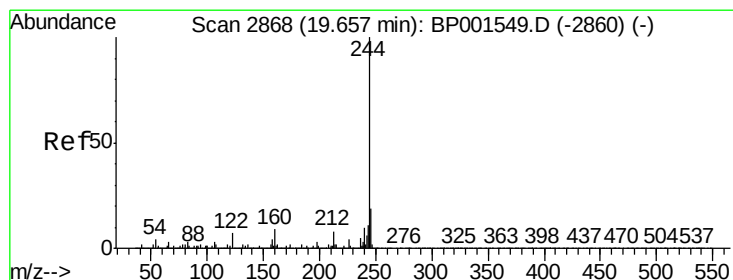
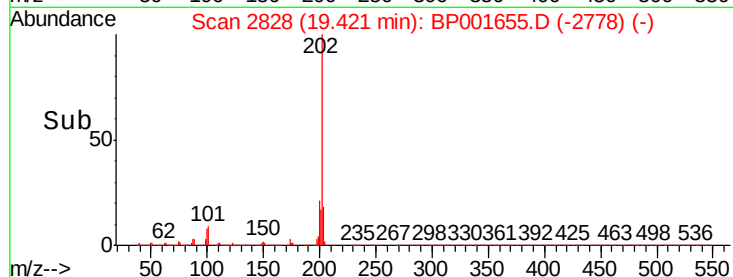
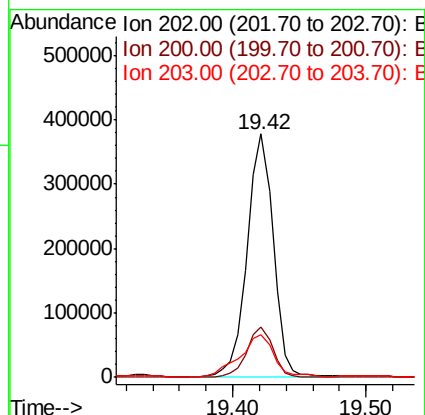
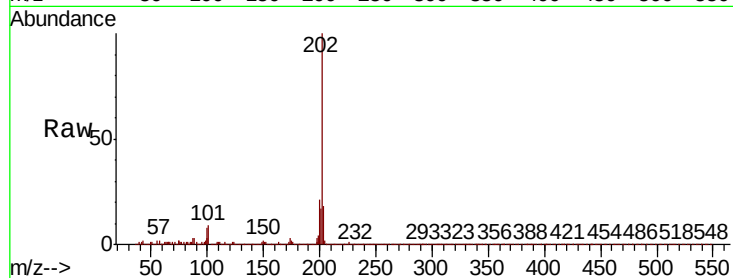
Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	509105
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	17.8	13.7	20.5



#79

Terphenyl-d14

Concen: 36.967 ng

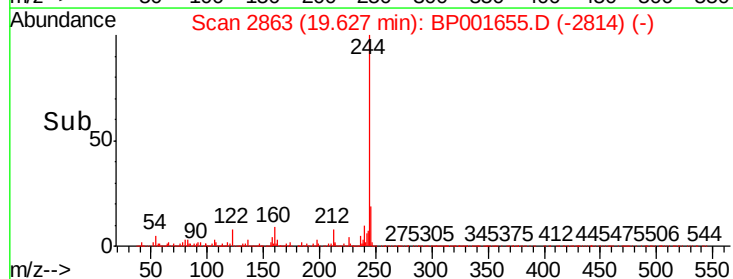
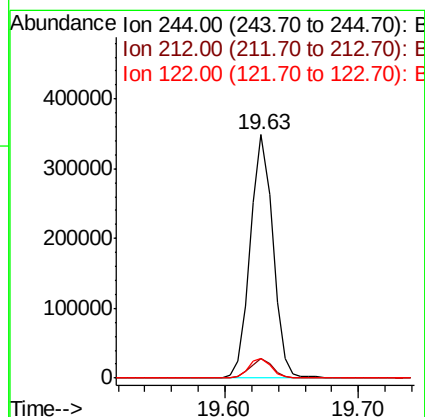
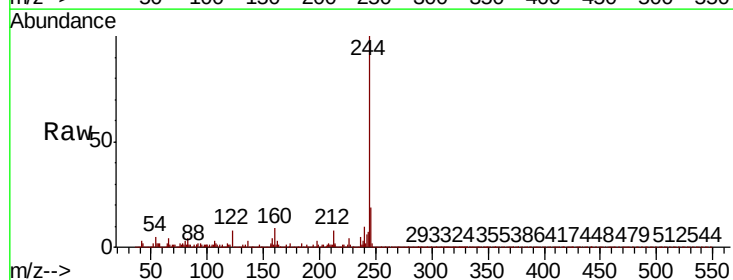
RT: 19.63 min Scan# 2863

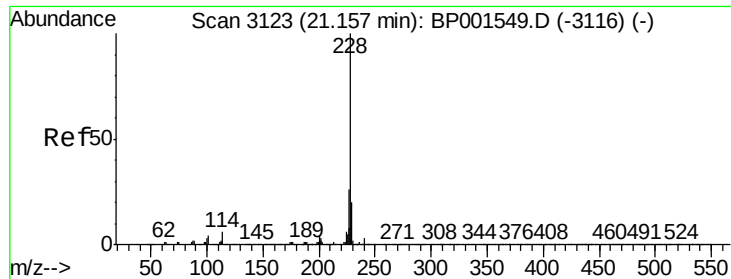
Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion:	244	Resp:	404204
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.3	9.5
122	8.2	5.8	8.6

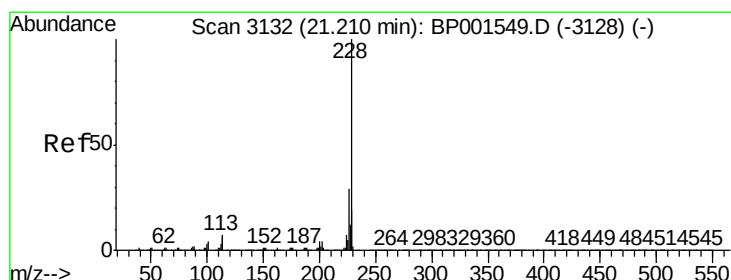
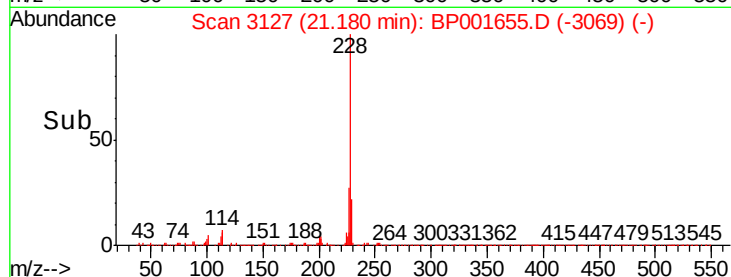
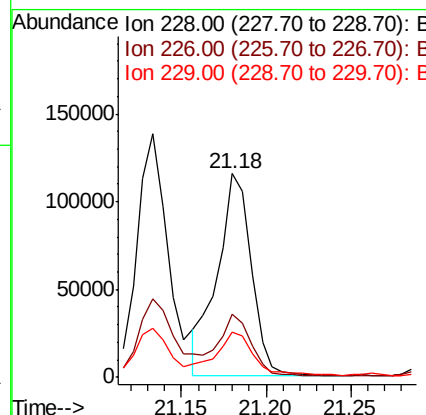
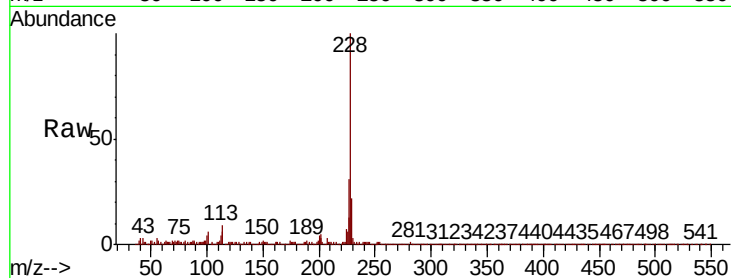




#81
Benzo(a)anthracene
Concen: 11.616 ng
RT: 21.18 min Scan# 3127
Delta R.T. 0.04 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

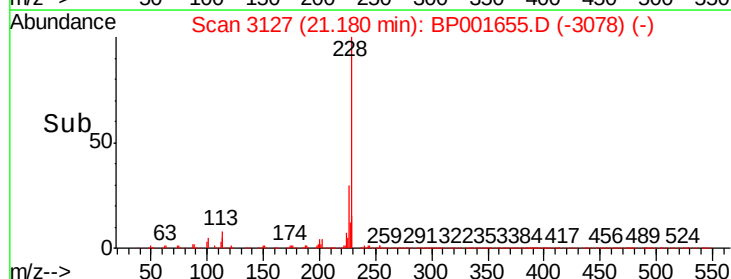
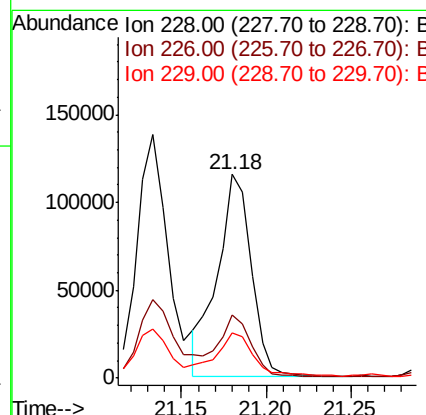
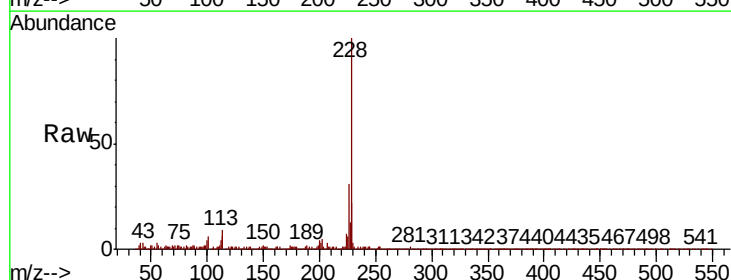
Instrument :
BNA_P
ClientSampleId :

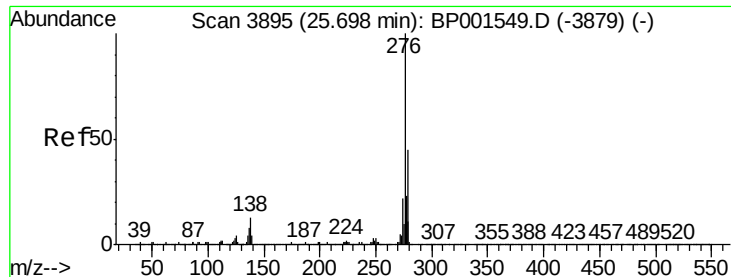
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.2	31.8
229	22.2	16.1	24.1



#83
Chrysene
Concen: 11.920 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.2	34.8
229	22.2	15.2	22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.325 ng

RT: 25.63 min Scan# 3883

Delta R.T. -0.03 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

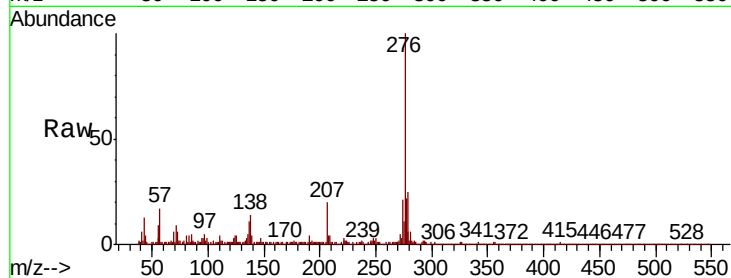
Tot Ion:276 Resp: 84605

Ion Ratio Lower Upper

276 100

138 14.2 11.1 16.7

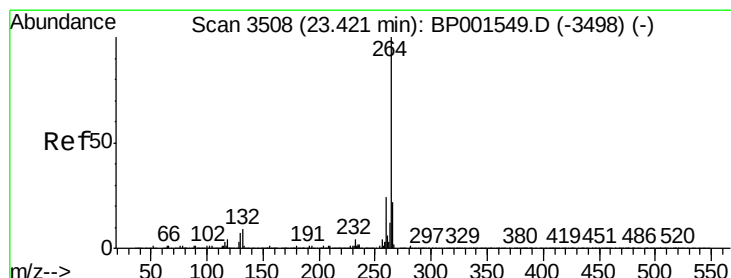
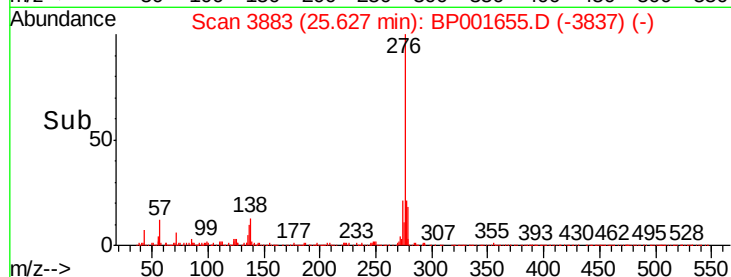
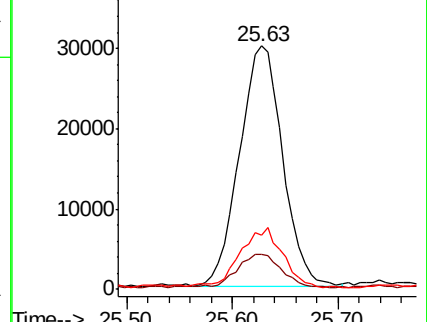
277 24.4 20.4 30.6



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

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

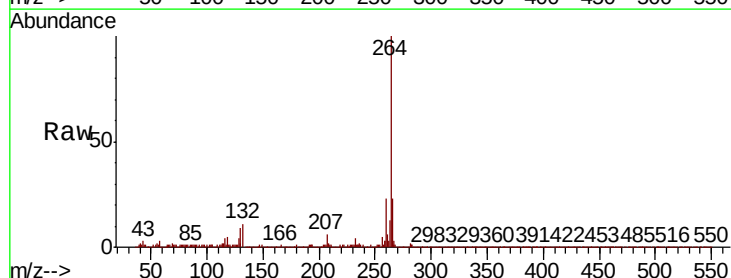
Tgt Ion:264 Resp: 187918

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

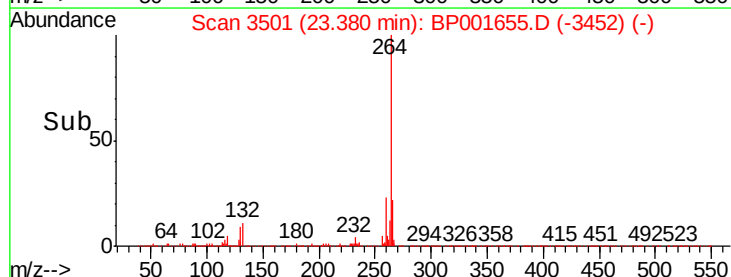
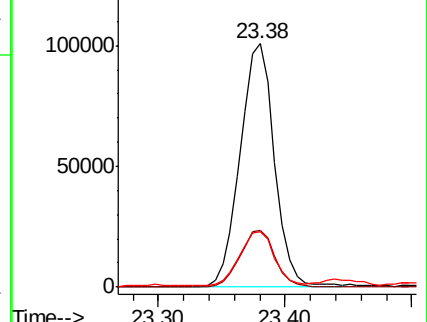
265 22.7 18.2 27.4

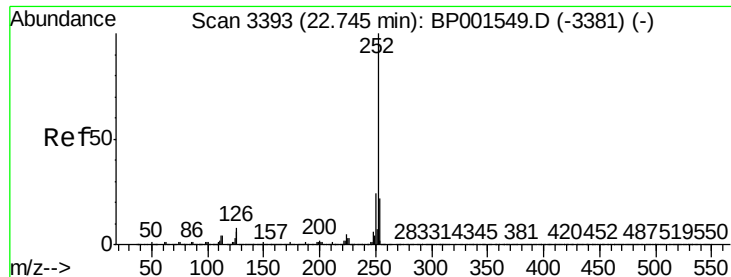


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 19.422 ng

RT: 22.71 min Scan# 3387

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

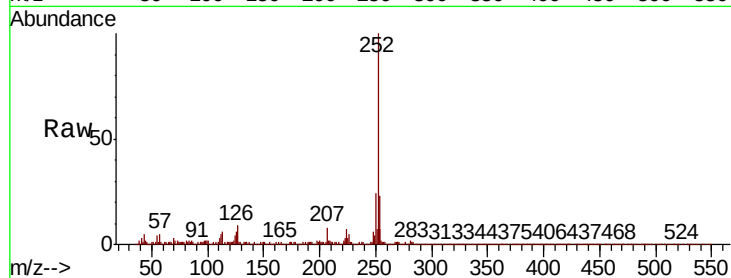
Tot Ion:252 Resp: 229984

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

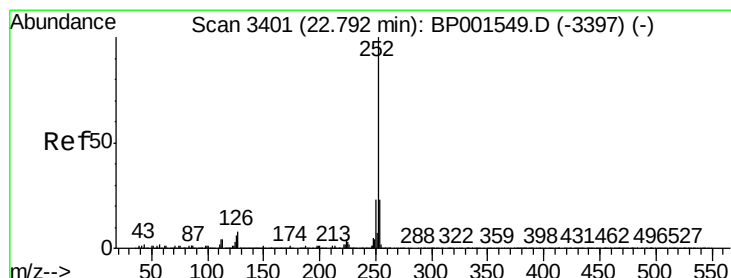
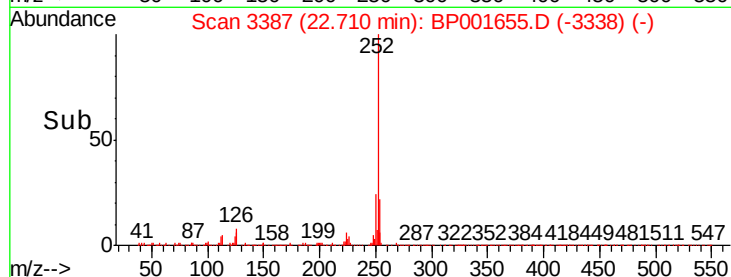
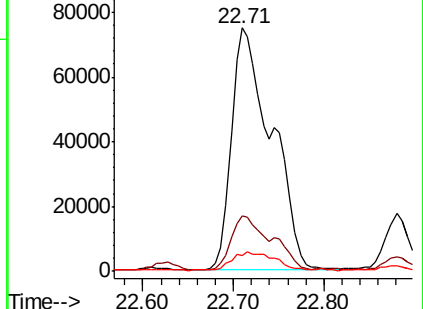
125 6.5 4.6 7.0



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: 19.920 ng

RT: 22.71 min Scan# 3387

Delta R.T. -0.06 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

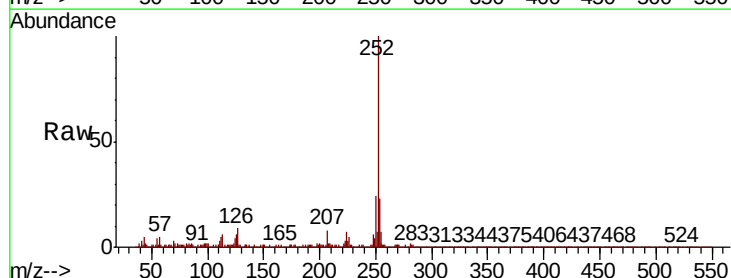
Tgt Ion:252 Resp: 229984

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

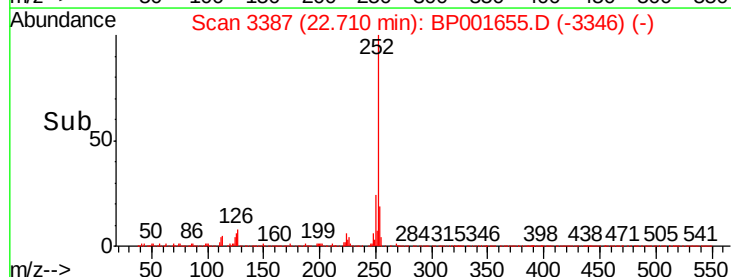
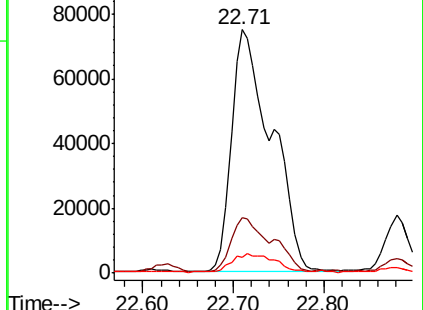
125 6.5 4.6 6.8

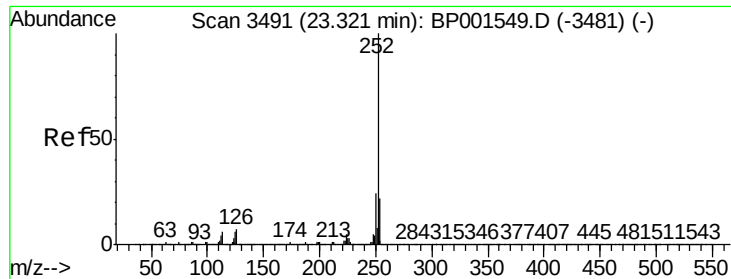


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

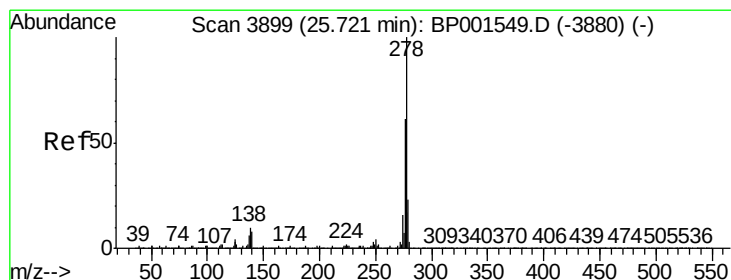
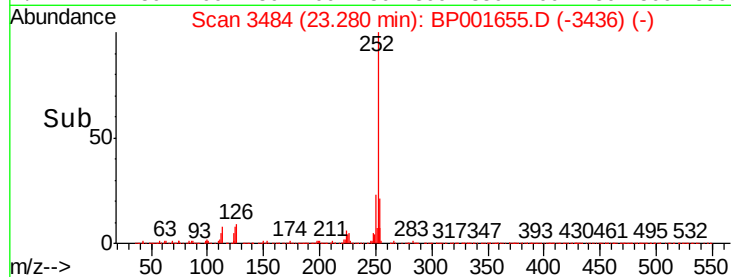
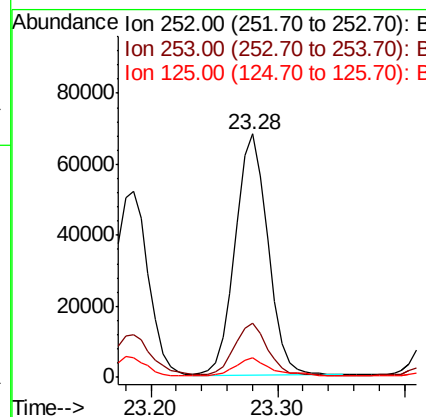
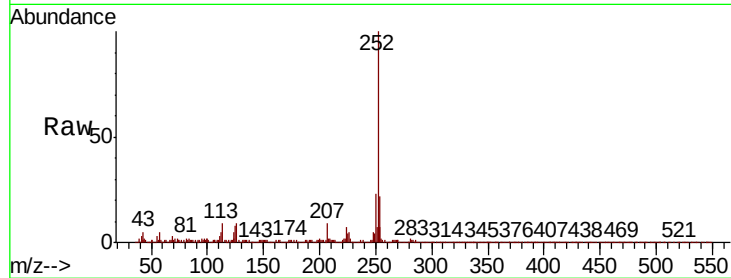




#90
Benzo(a)pyrene
Concen: 10.785 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

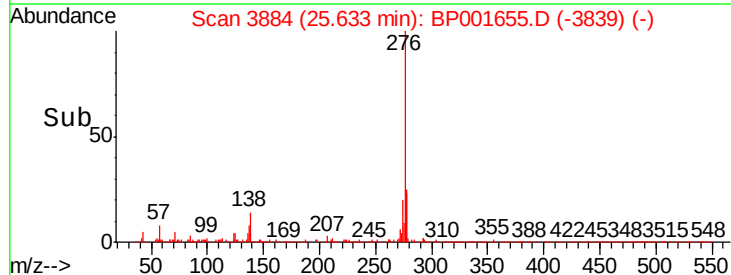
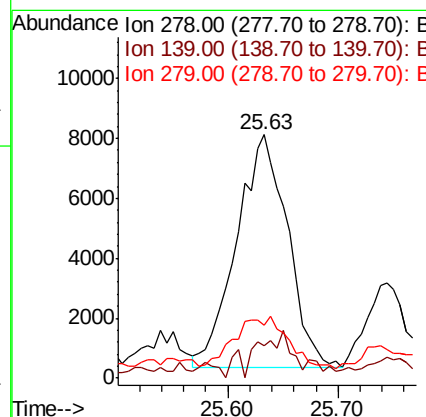
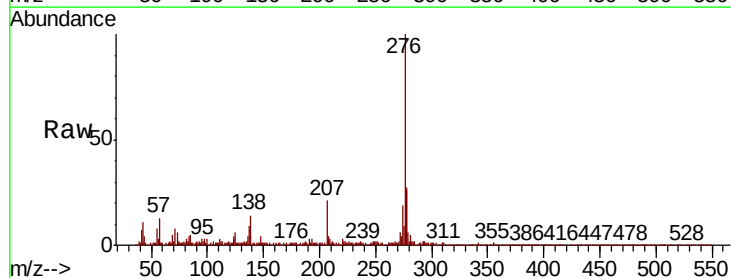
Instrument :
BNA_P
ClientSampleId :

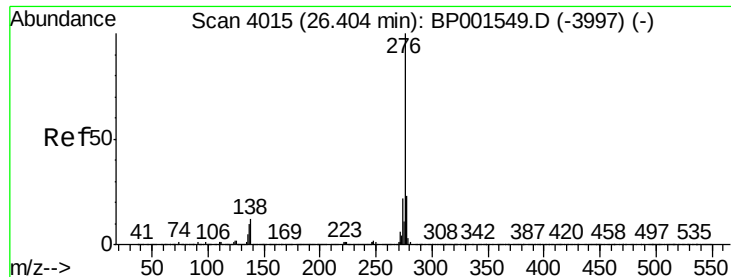
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.0	5.0	7.4



#91
Dibenzo(a,h)anthracene
Concen: 2.170 ng
RT: 25.63 min Scan# 3884
Delta R.T. -0.04 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.1	6.7	10.1
279	21.9	18.6	28.0





#92

Benzo(a,h,i)perylene

Concen: 7.709 ng

RT: 26.31 min Scan# 3999

Delta R.T. -0.03 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

ClientSampleId :

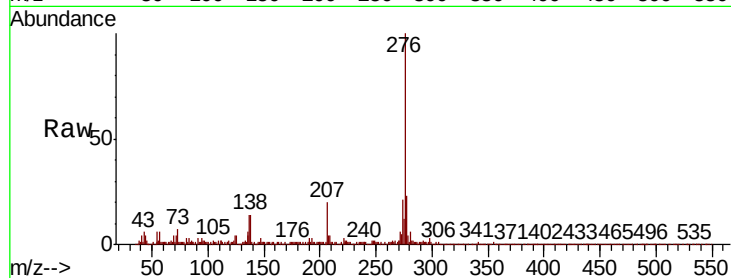
Tot Ion: 276 Resp: 88902

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 13.9 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

