

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
 Data File : BP002348.D
 Acq On : 01 Jun 2020 20:15
 Operator : CG/JU
 Sample : L2745-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jun 01 23:59:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	297093	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1181522	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	694019	20.00	ng	0.00
64) Phenanthrene-d10	17.02	188	1457437	20.00	ng	0.00
76) Chrysene-d12	21.12	240	1224955	20.00	ng	0.01
86) Perylene-d12	23.33	264	1277796	20.00	ng	0.02

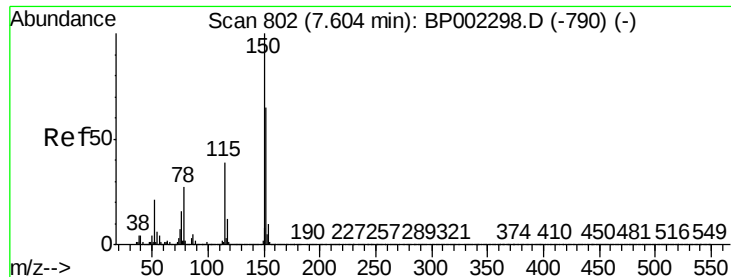
System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	2028972	128.27	ng	0.00
7) Phenol-d6	6.80	99	2793344	129.81	ng	0.01
23) Nitrobenzene-d5	8.75	82	1874110	95.37	ng	0.00
42) 2,4,6-Tribromophenol	15.76	330	928894	141.22	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3759767	95.59	ng	0.00
79) Terphenyl-d14	19.60	244	4540672	89.77	ng	0.00

Target Compounds

						Qvalue
32) Benzoic acid	9.66	122	2707	5.018	ng	92
49) Acenaphthylene	13.97	152	186719	3.141	ng	99
50) Dimethylphthalate	13.72	163	398496	8.483	ng	99
71) Phenanthrene	17.06	178	911912	13.210	ng	98
72) Anthracene	17.15	178	296402	4.363	ng	99
75) Fluoranthene	19.04	202	1792193	22.539	ng	99
78) Pyrene	19.39	202	1728351	22.659	ng	99
80) Butylbenzylphthalate	20.29	149	64125	2.112	ng	89
81) Benzo(a)anthracene	21.10	228	926389	13.211	ng	97
83) Chrysene	21.16	228	838566	12.461	ng	98
84) Bis(2-ethylhexyl)phthalate	21.06	149	109029	2.349	ng	99
87) Indeno(1,2,3-cd)pyrene	25.56	276	565335	7.148	ng	98
88) Benzo(b)fluoranthene	22.67	252	1489183	21.376	ng	# 97
89) Benzo(k)fluoranthene	22.67	252	1489183	22.276	ng	# 97
90) Benzo(a)pyrene	23.24	252	833700	12.901	ng	# 98
91) Dibenzo(a,h)anthracene	25.57	278	147872	2.293	ng	# 82
92) Benzo(a,h,i)perylene	26.24	276	585739	8.905	ng	# 94

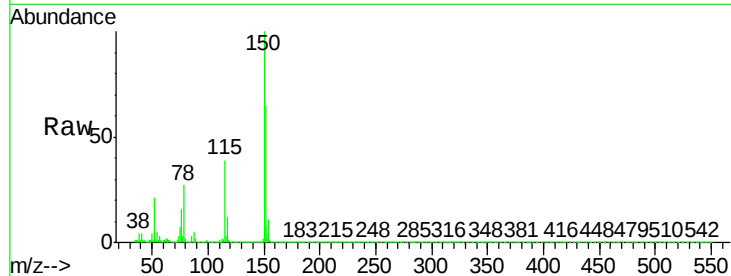
(#) = qualifier out of range (m) = manual integration (+) = signals summed



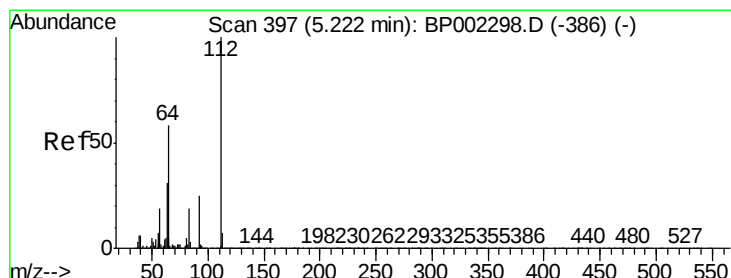
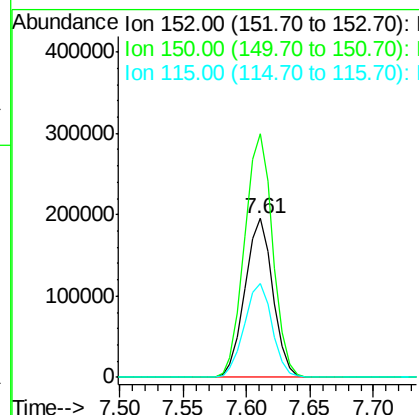
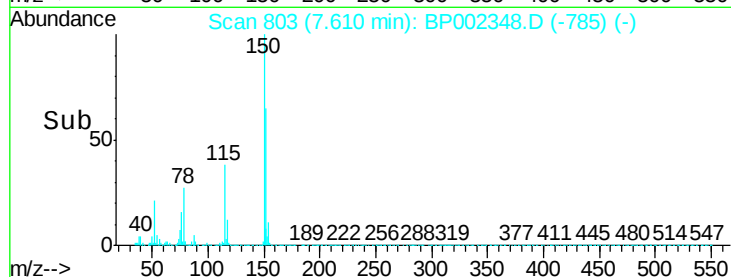
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.61 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BP002348.D
 Acq: 01 Jun 2020 20:15

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.7	187.1
115	59.2	49.4	74.2

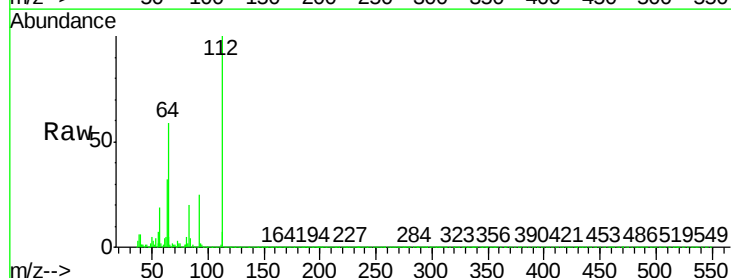


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

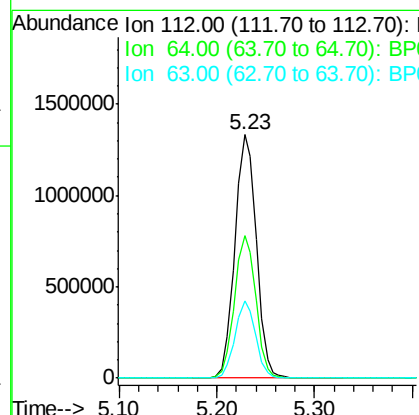
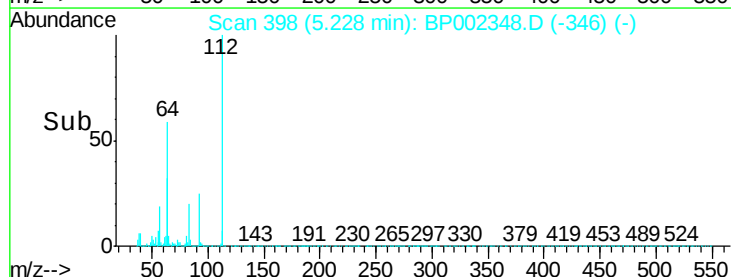


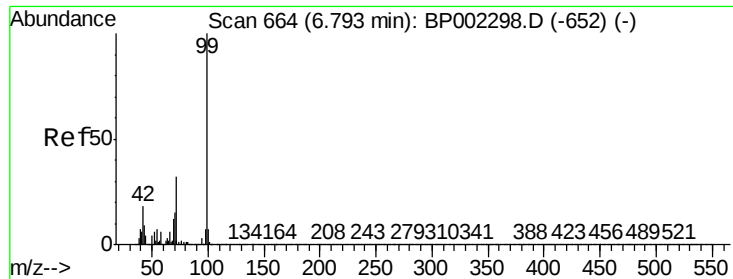
#5
 2-Fluorophenol
 Concen: 128.266 ng
 RT: 5.23 min Scan# 398
 Delta R.T. 0.01 min
 Lab File: BP002348.D
 Acq: 01 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.4
63	31.6	24.0	36.0



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: 129.812 ng

RT: 6.80 min Scan# 666

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

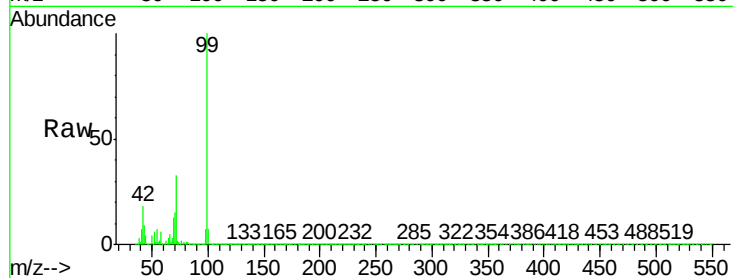
Tot Ion: 99 Resp: 2793344

Ion Ratio Lower Upper

99 100

42 18.0 13.9 20.9

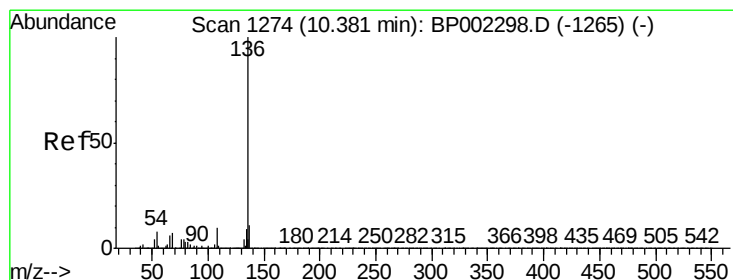
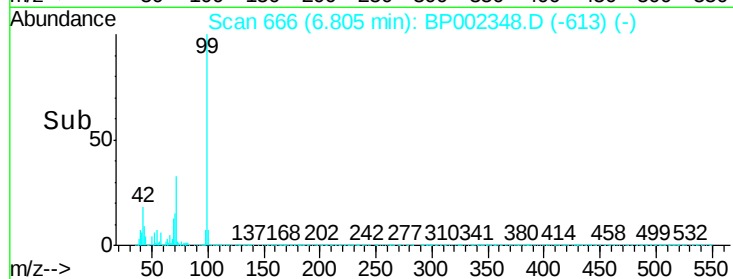
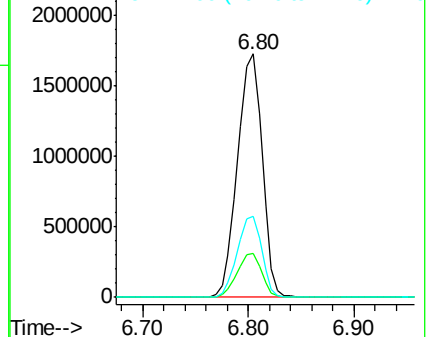
71 33.4 25.8 38.8



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: 10.38 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Tgt Ion: 136 Resp: 1181522

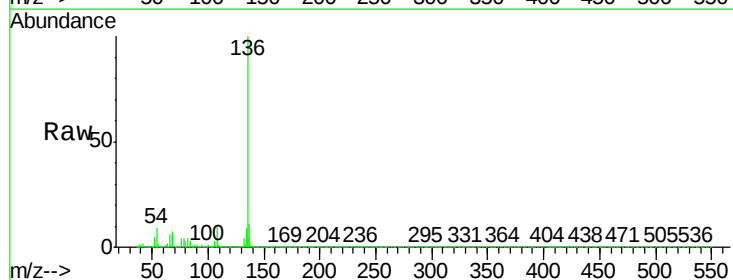
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.9 6.9 10.3

68 7.1 5.6 8.4

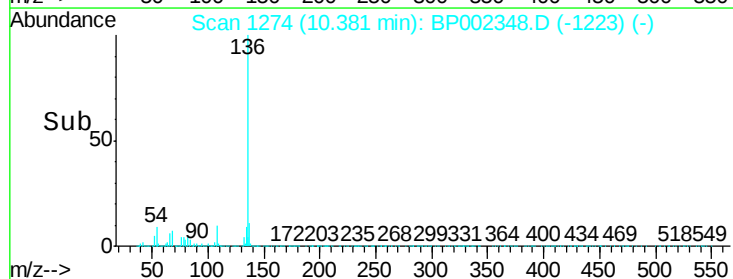
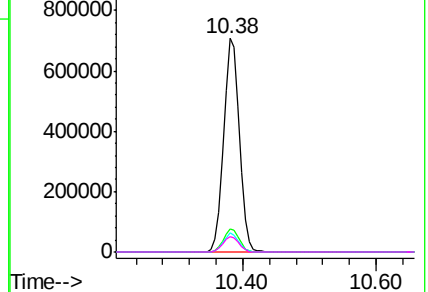


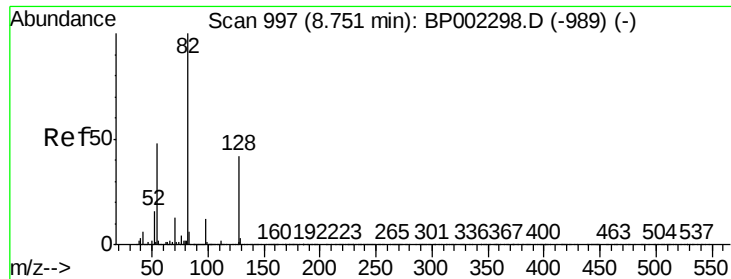
Abundance Ion 136.00 (135.70 to 136.70): E

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

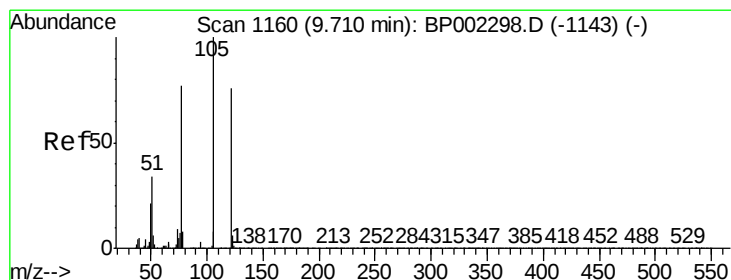
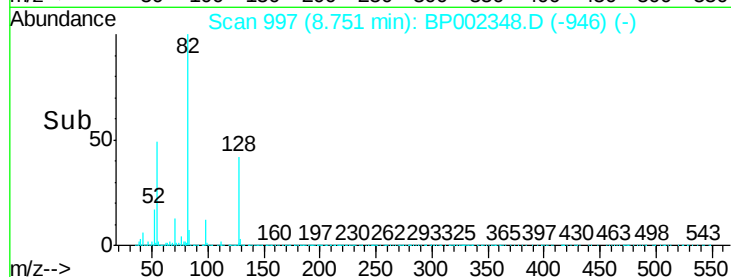
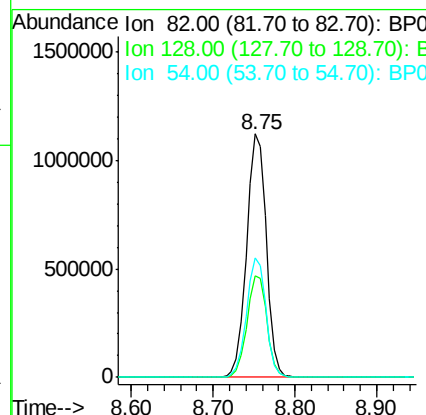
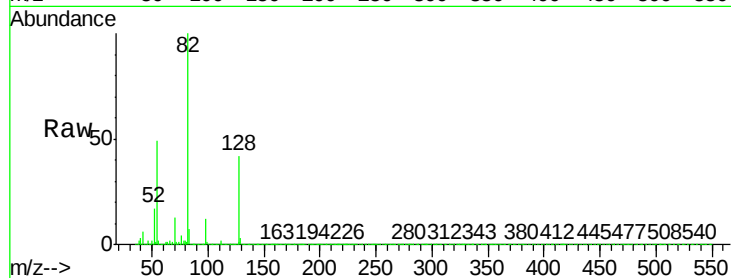




#23
 Nitrobenzene-d5
 Concen: 95.365 ng
 RT: 8.75 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BP002348.D
 Acq: 01 Jun 2020 20:15

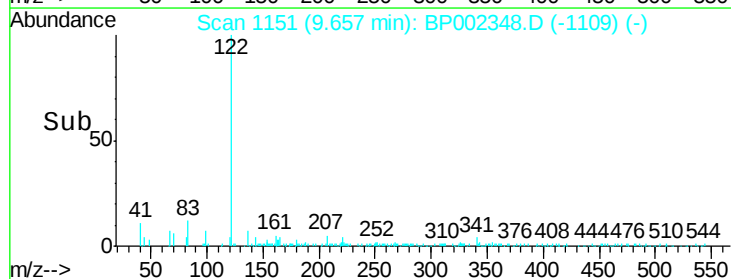
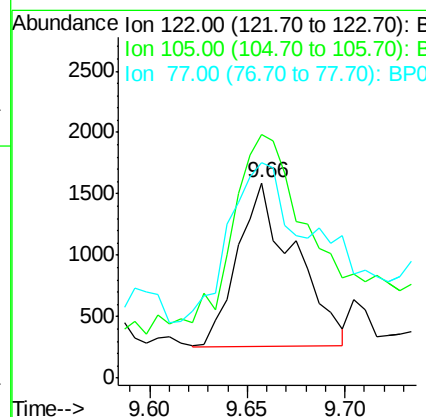
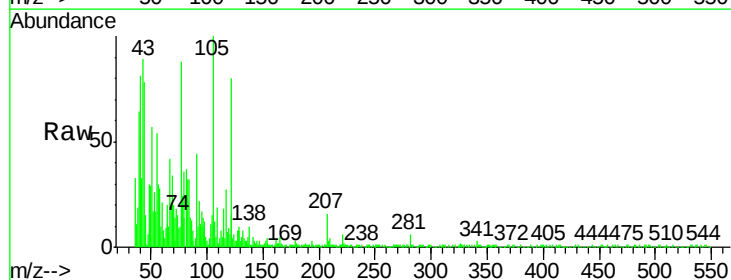
Instrument :
 BNA_P
 ClientSampled :

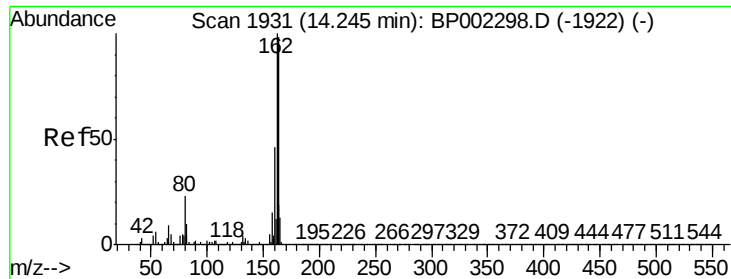
Tot Ion: 82 Resp: 1874110
 Ion Ratio Lower Upper
 82 100
 128 41.5 33.4 50.0
 54 49.1 38.3 57.5



#32
 Benzoic acid
 Concen: 5.018 ng
 RT: 9.66 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: BP002348.D
 Acq: 01 Jun 2020 20:15

Tgt Ion: 122 Resp: 2707
 Ion Ratio Lower Upper
 122 100
 105 124.5 102.7 142.7
 77 110.0 74.8 114.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

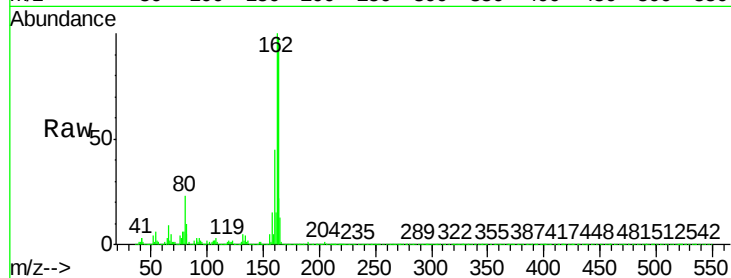
Tot Ion:164 Resp: 694019

Ion Ratio Lower Upper

164 100

162 102.4 81.3 121.9

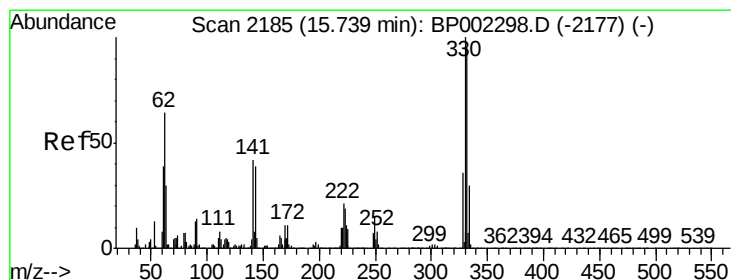
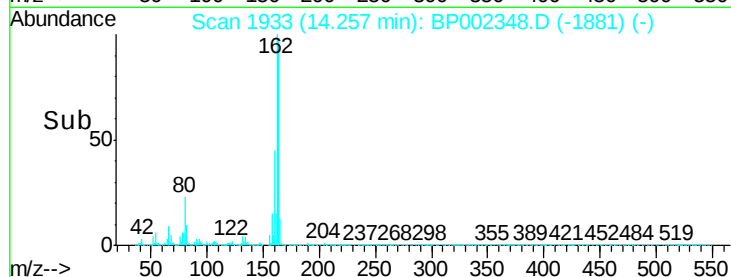
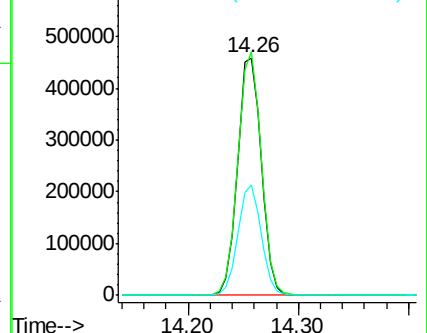
160 46.5 37.2 55.8



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: 141.221 ng

RT: 15.76 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

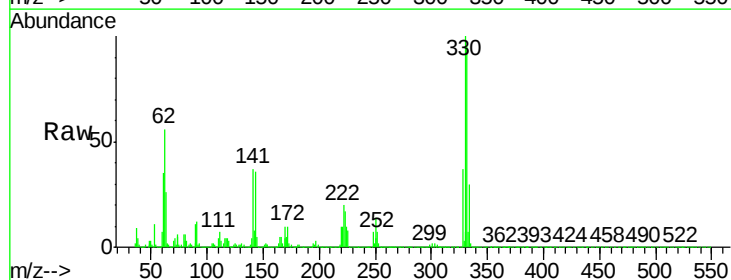
Tgt Ion:330 Resp: 928894

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

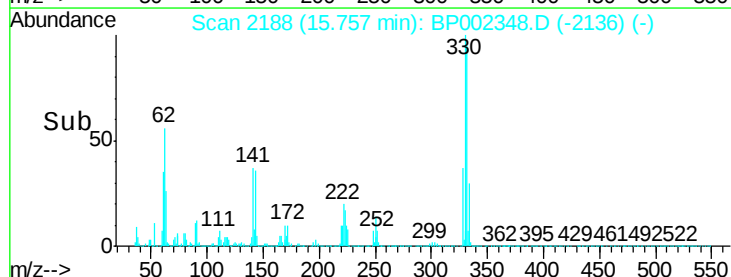
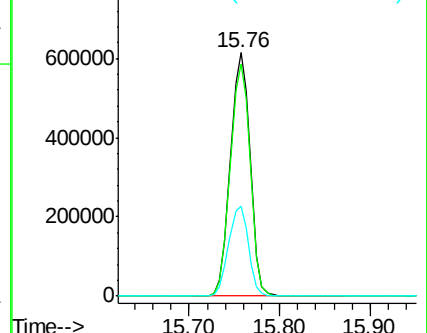
141 37.2 31.4 47.2

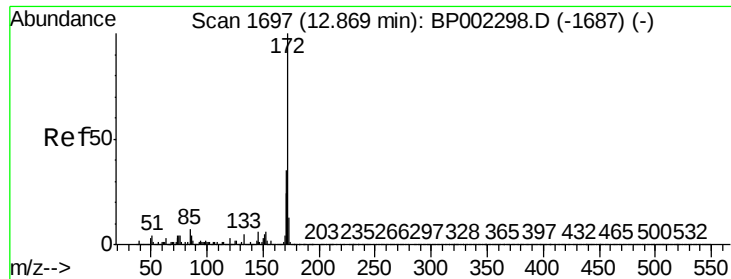


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

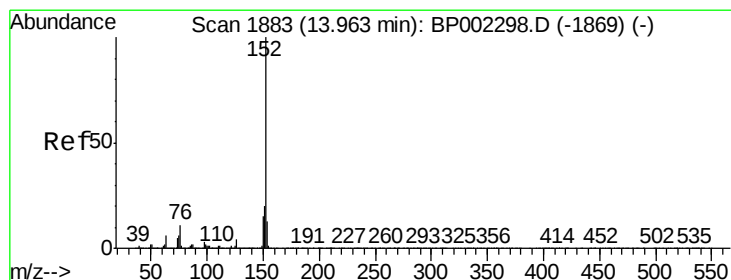
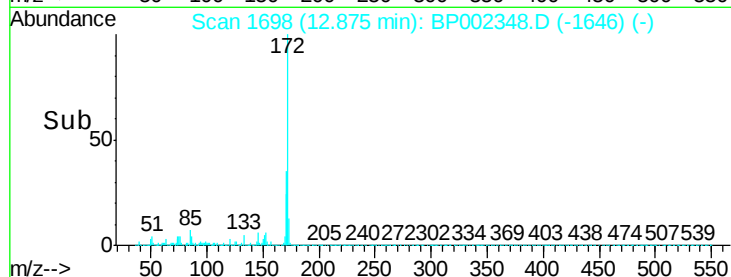
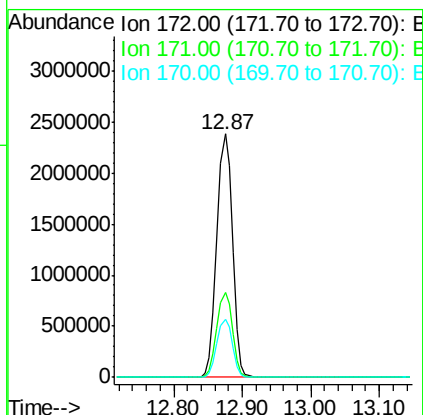
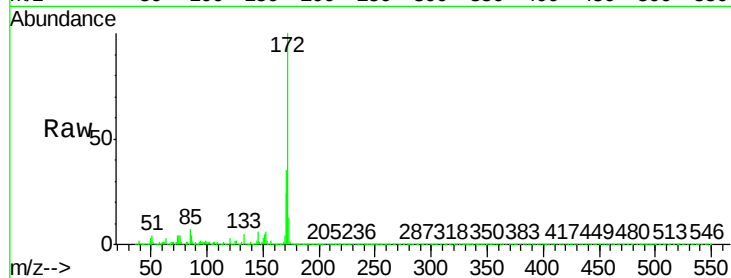




#45
2-Fluorobiphenyl
Concen: 95.592 ng
RT: 12.87 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

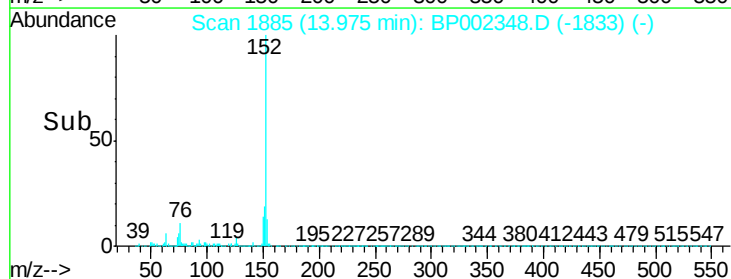
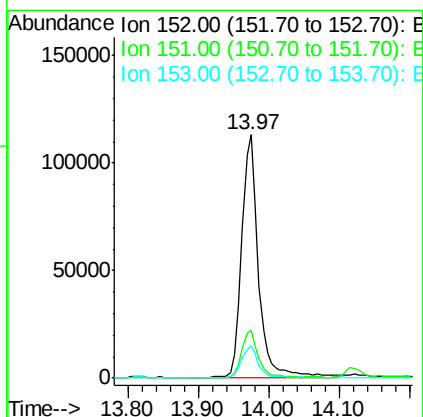
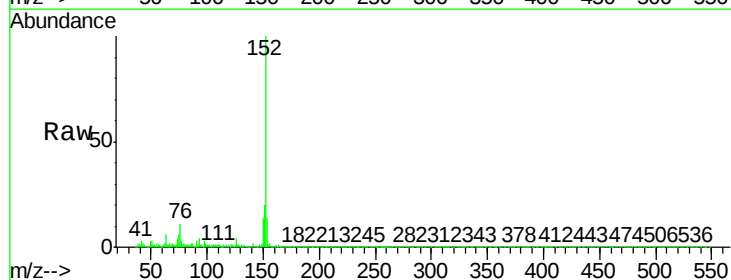
Instrument :
BNA_P
ClientSampled :

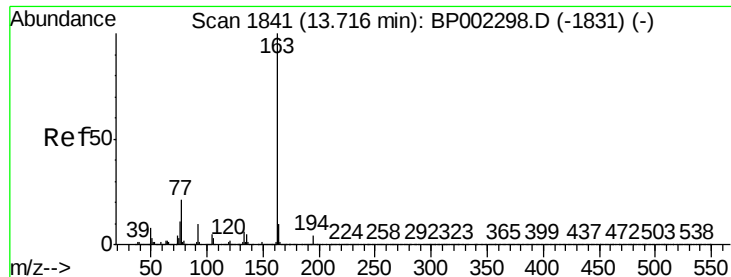
Tot Ion:172 Resp: 3759767
Ion Ratio Lower Upper
172 100
171 35.1 27.6 41.4
170 23.8 18.9 28.3



#49
Acenaphthylene
Concen: 3.141 ng
RT: 13.97 min Scan# 1885
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

Tgt Ion:152 Resp: 186719
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.6 10.4 15.6

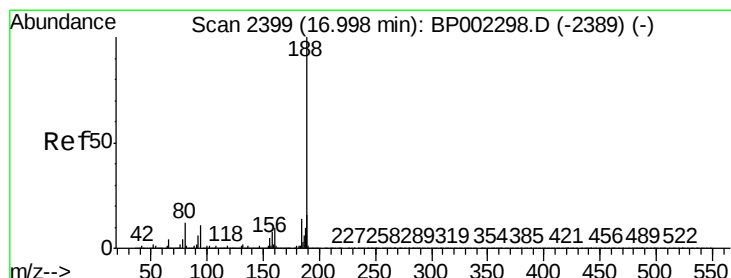
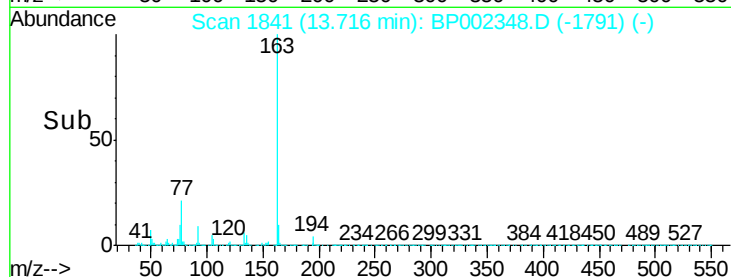
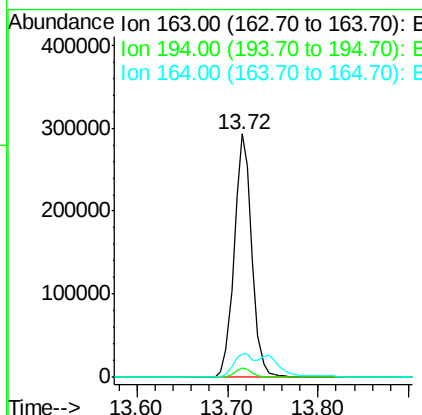
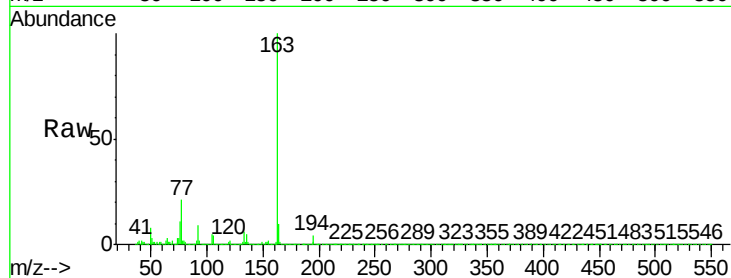




#50
Dimethylphthalate
Concen: 8.483 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

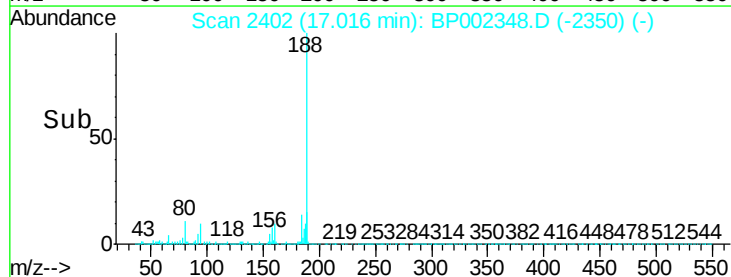
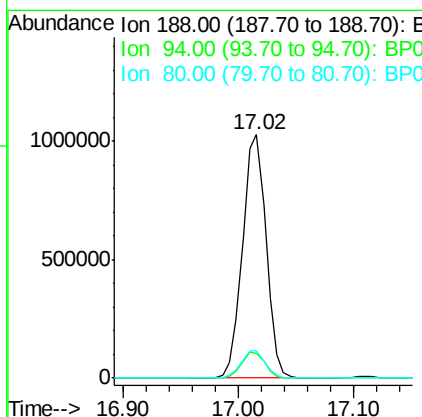
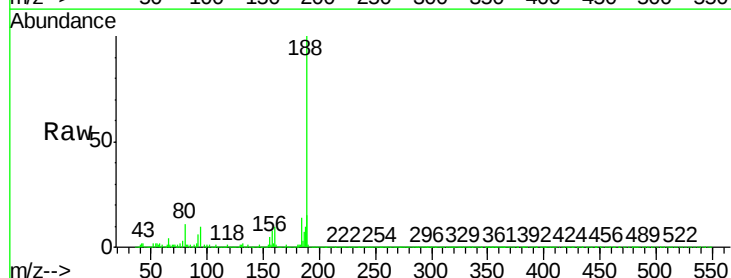
Instrument :
BNA_P
ClientSampleId :

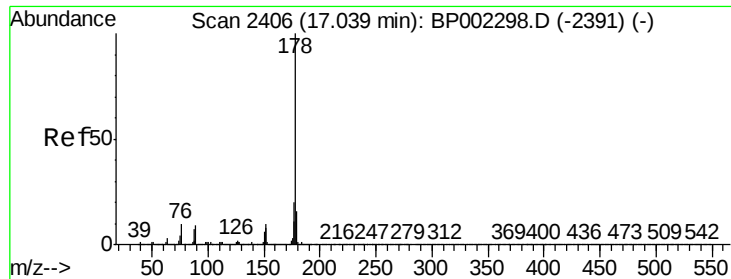
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	8.1	12.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.02 min Scan# 2402
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.7	13.1
80	11.0	9.3	13.9





#71

Phenanthrene

Concen: 13.210 ng

RT: 17.06 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

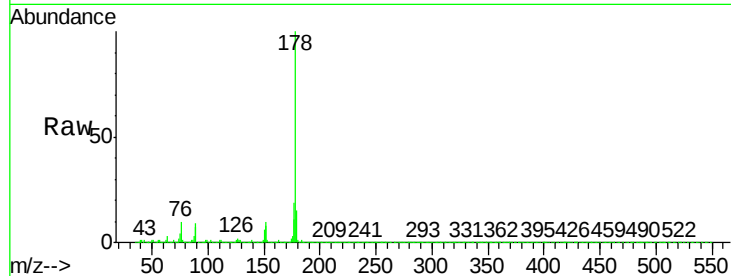
Tot Ion:178 Resp: 911912

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

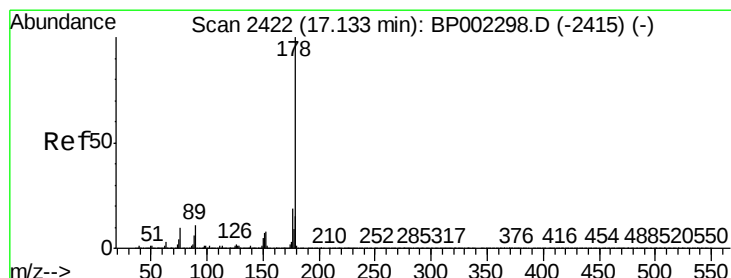
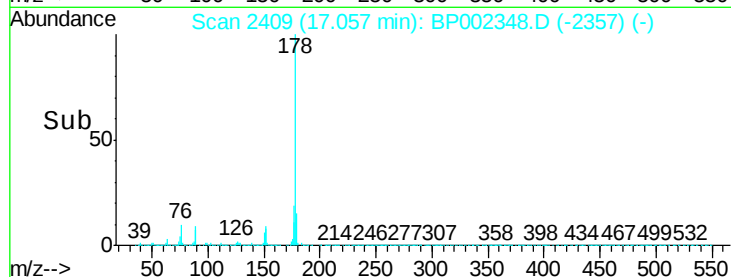
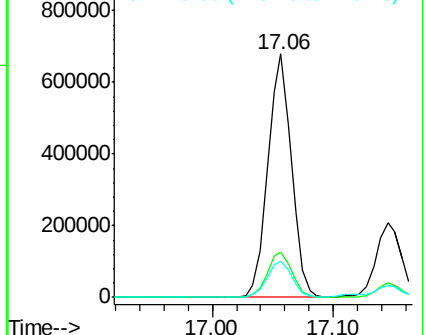
179 14.9 12.6 18.8



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



#72

Anthracene

Concen: 4.363 ng

RT: 17.15 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

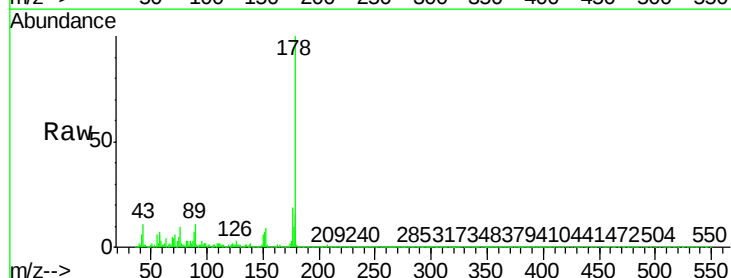
Tgt Ion:178 Resp: 296402

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

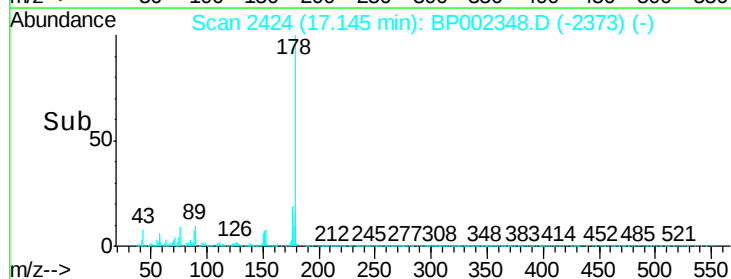
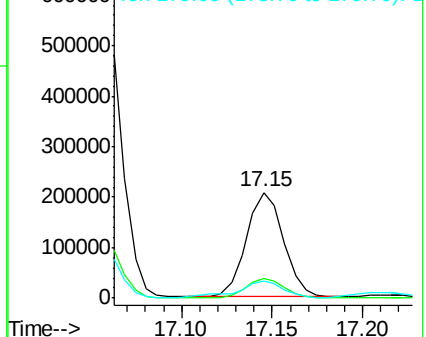
179 16.3 12.6 19.0

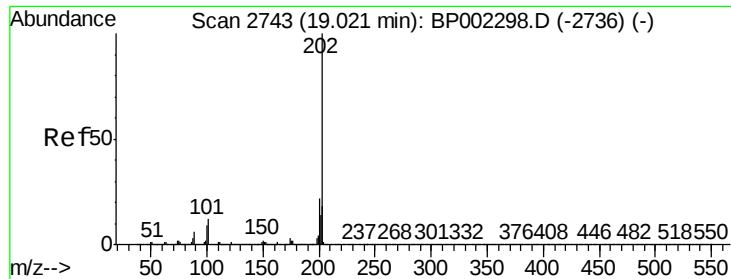


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.539 ng

RT: 19.04 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

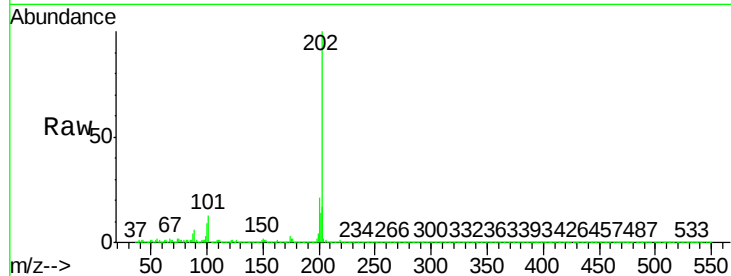
Tot Ion:202 Resp: 1792193

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.1

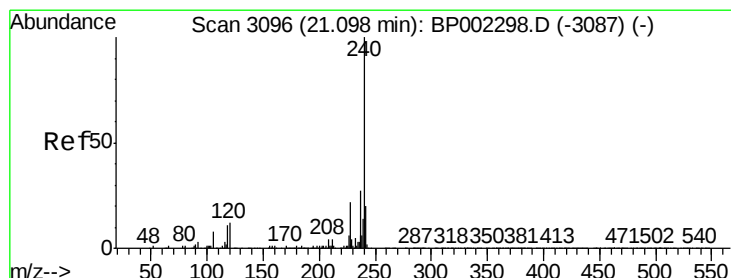
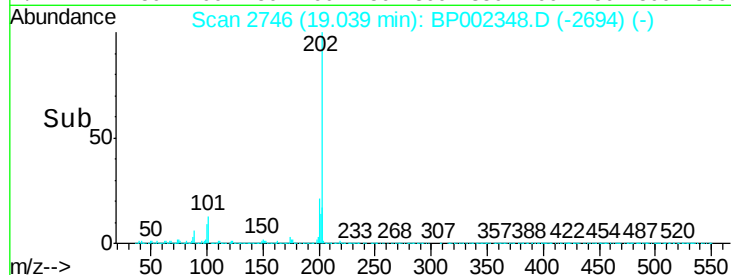
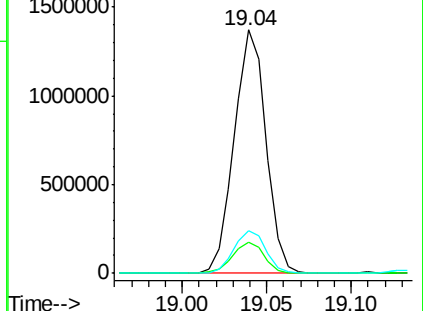
203 17.4 0.0 37.6



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: 21.12 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

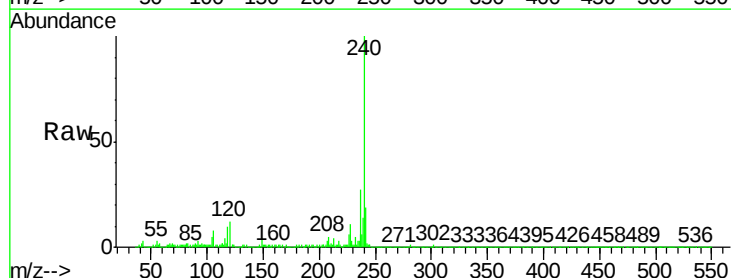
Tgt Ion:240 Resp: 1224955

Ion Ratio Lower Upper

240 100

120 11.8 8.7 13.1

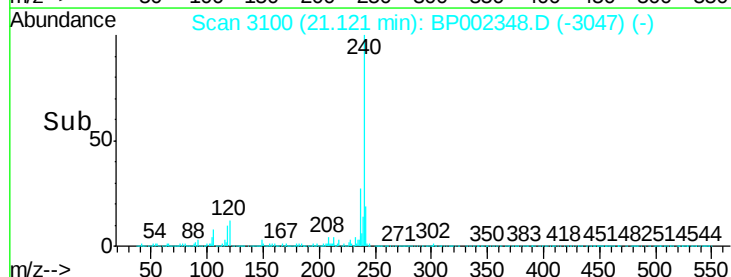
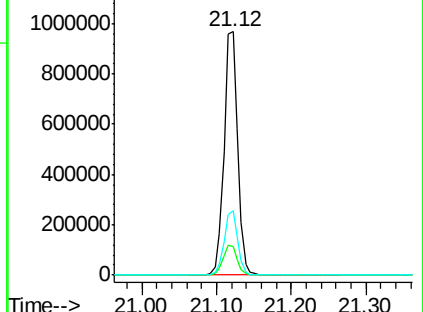
236 26.6 21.0 31.4

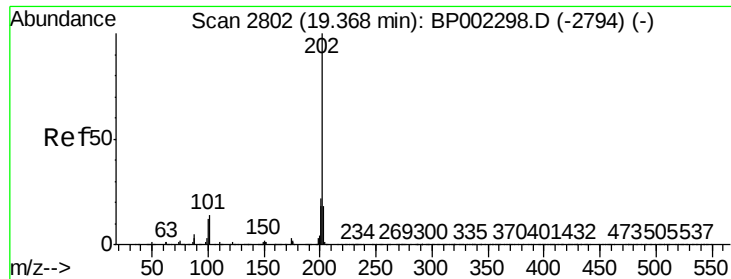


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

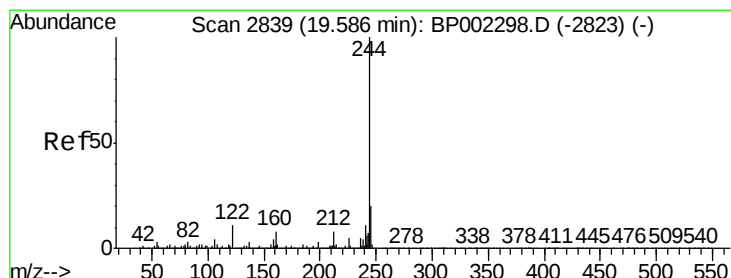
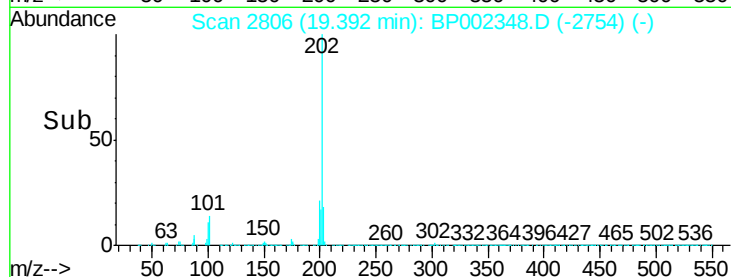
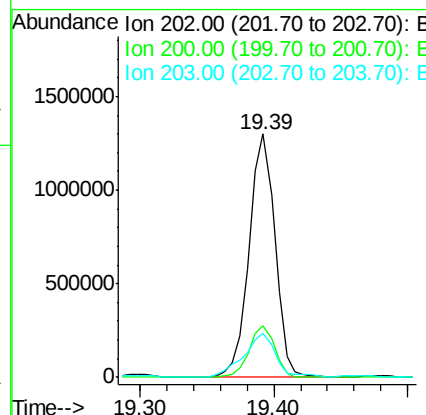
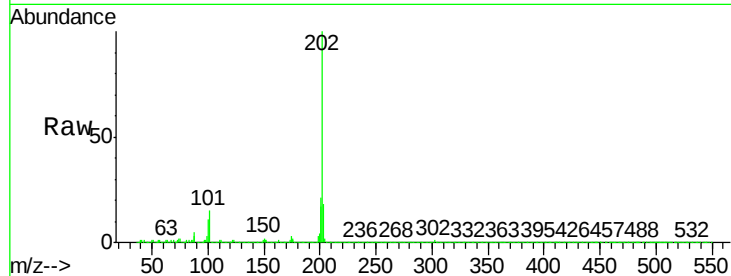




#78
Pvrene
Concen: 22.659 ng
RT: 19.39 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

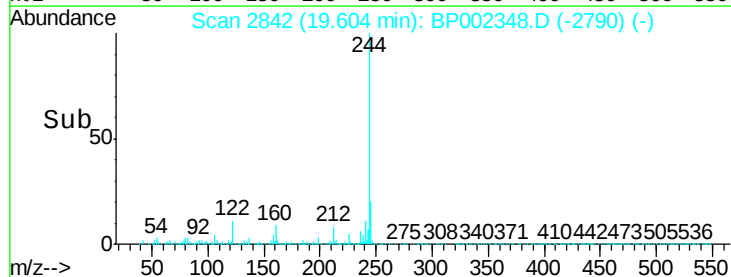
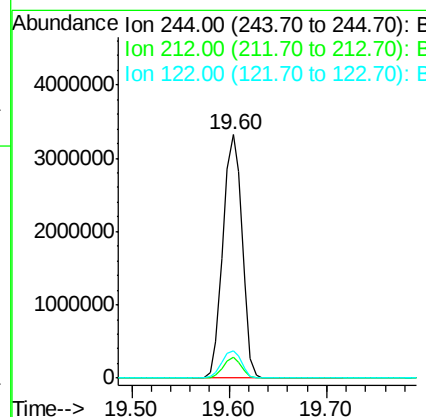
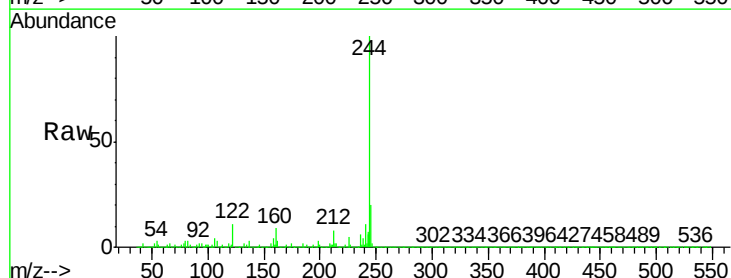
Instrument :
BNA_P
ClientSampleId :

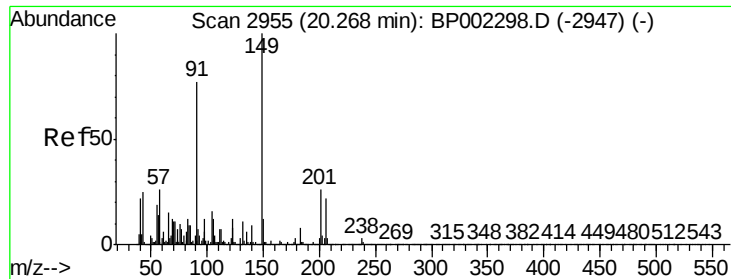
Tot Ion:202 Resp: 1728351
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 18.1 13.8 20.6



#79
Terphenyl-d14
Concen: 89.768 ng
RT: 19.60 min Scan# 2842
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

Tgt Ion:244 Resp: 4540672
Ion Ratio Lower Upper
244 100
212 8.5 6.4 9.6
122 11.0 9.4 14.0

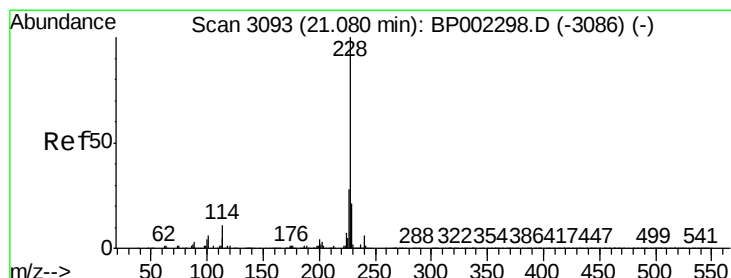
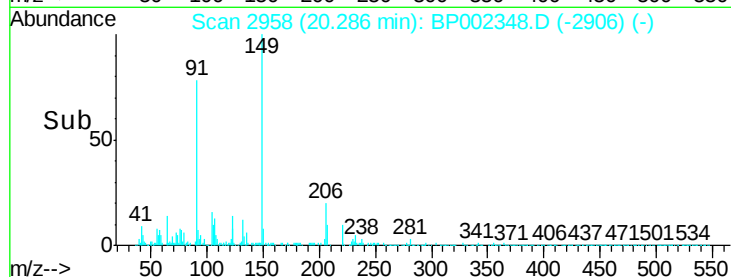
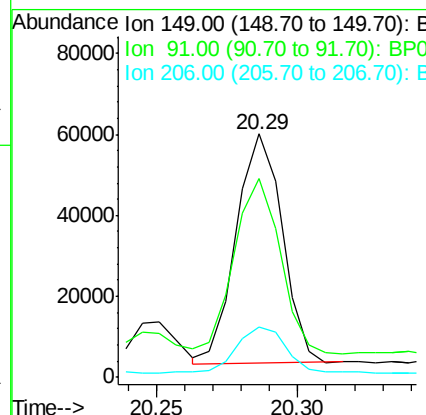
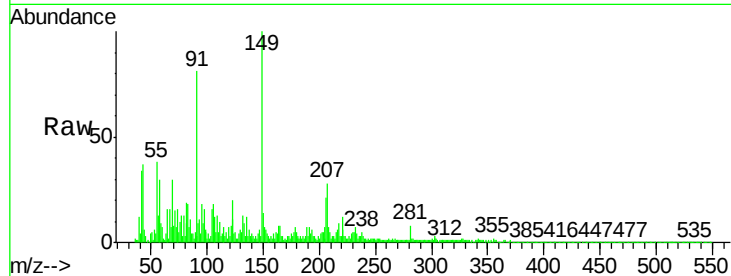




#80
Butylbenzylphthalate
Concen: 2.112 ng
RT: 20.29 min Scan# 2958
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

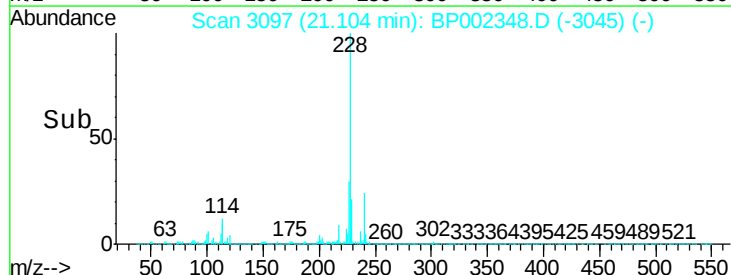
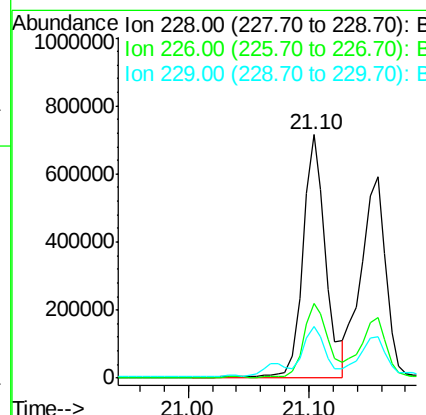
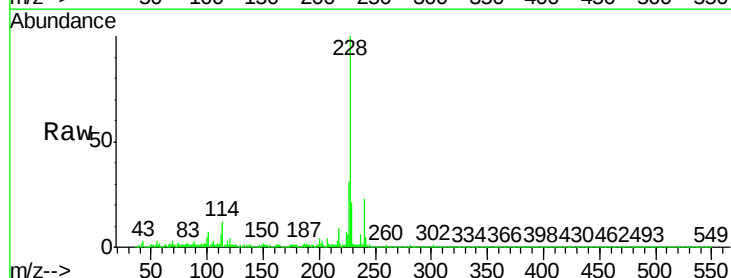
Instrument :
BNA_P
ClientSampleId :

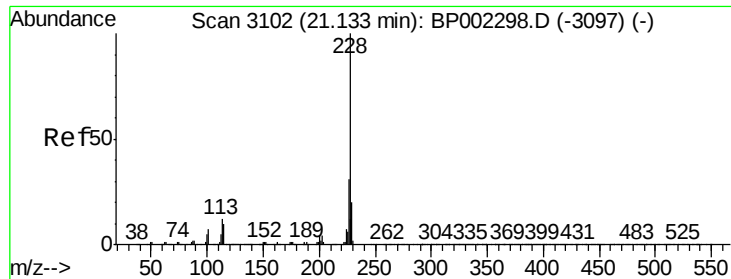
Tot Ion:149 Resp: 64125
Ion Ratio Lower Upper
149 100
91 81.4 56.6 84.8
206 20.7 18.7 28.1



#81
Benzo(a)anthracene
Concen: 13.211 ng
RT: 21.10 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

Tgt Ion:228 Resp: 926389
Ion Ratio Lower Upper
228 100
226 30.6 22.7 34.1
229 21.0 16.3 24.5





#83

Chrysene

Concen: 12.461 ng

RT: 21.16 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

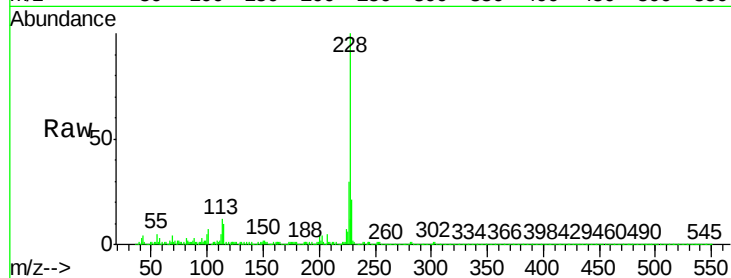
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 838566

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	20.8	16.2	24.4

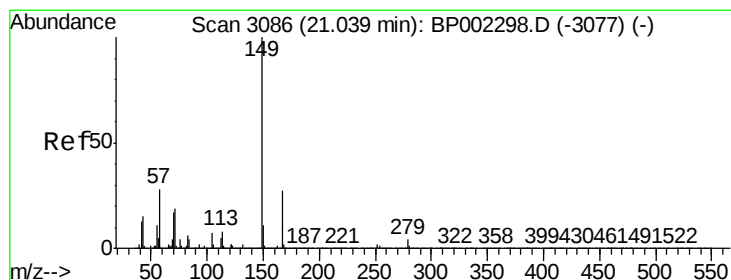
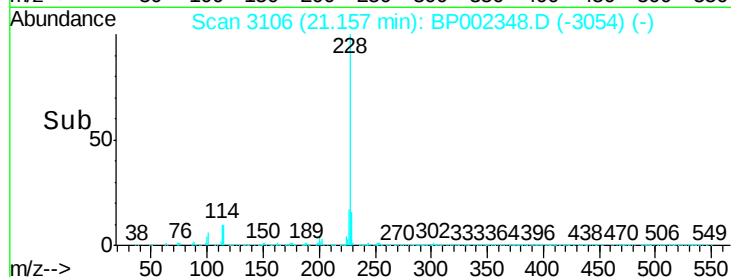
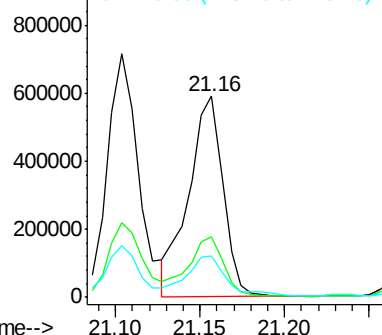


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.349 ng

RT: 21.06 min Scan# 3090

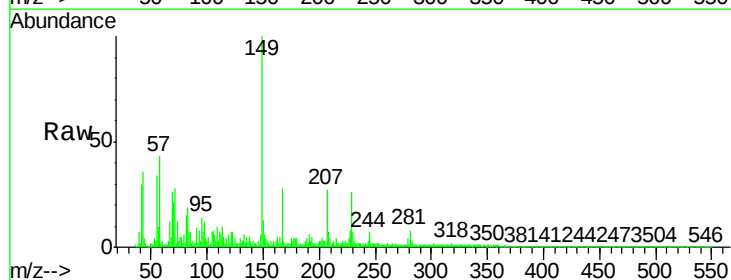
Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Tgt Ion:149 Resp: 109029

Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.0	34.6
279	4.4	3.9	5.9

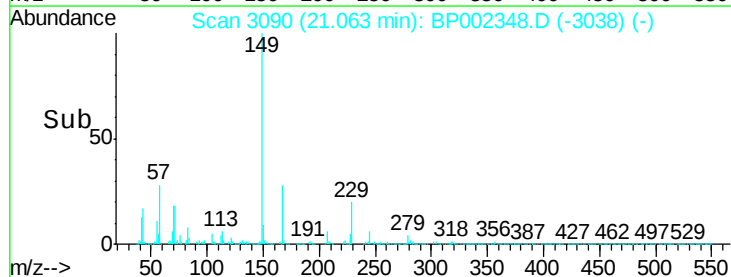
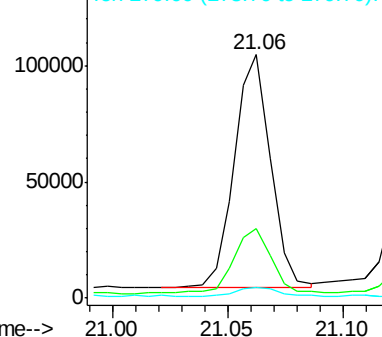


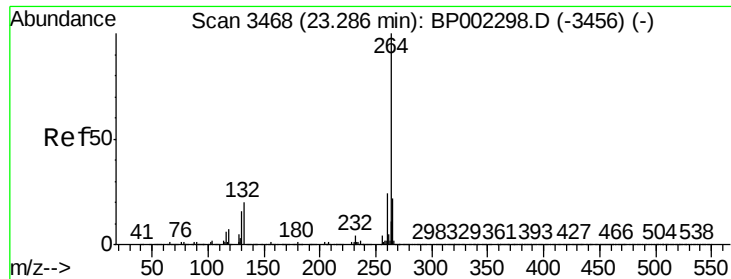
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

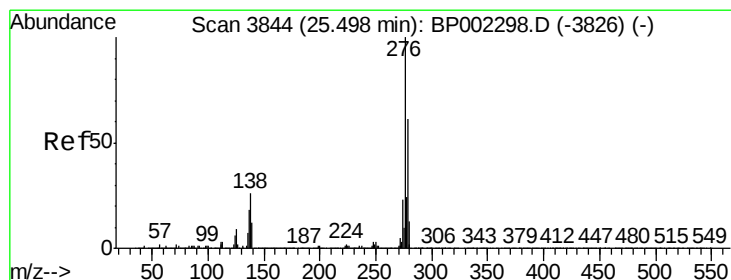
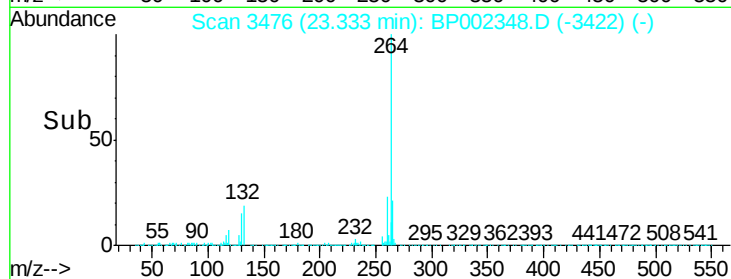
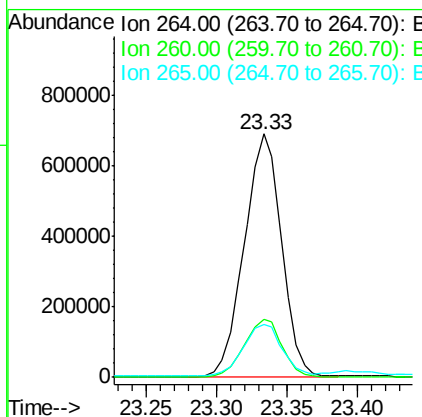
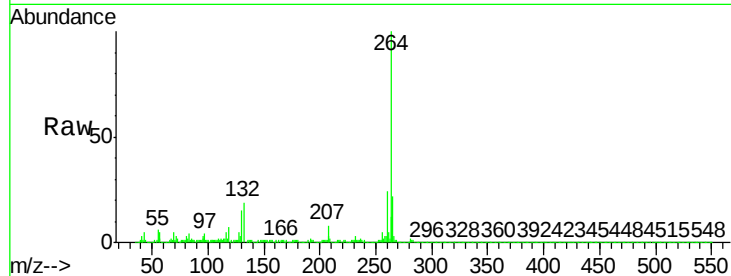




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3476
Delta R.T. 0.02 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

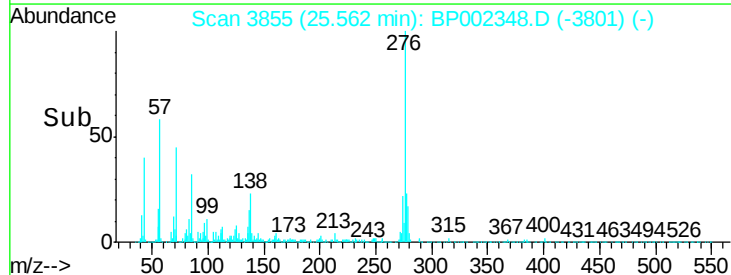
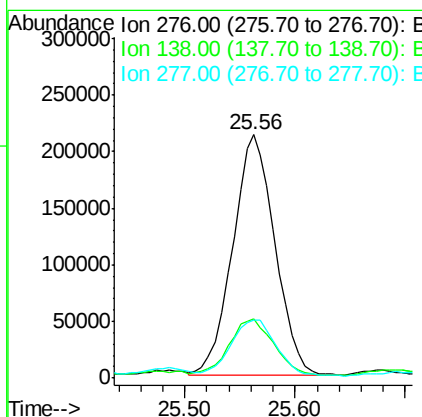
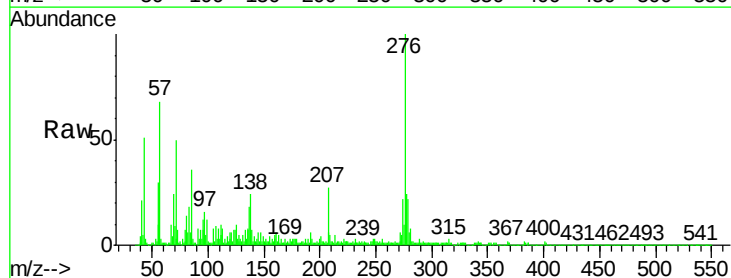
Instrument :
BNA_P
ClientSampled :

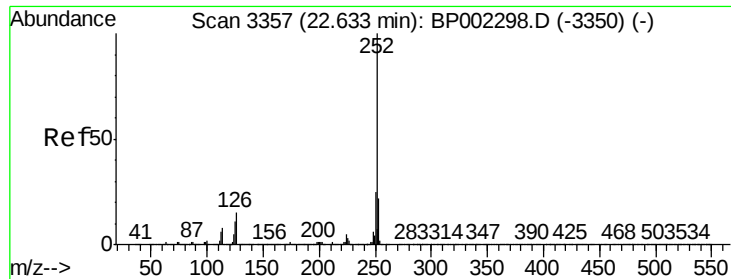
Tot Ion:264 Resp: 1277796
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.7 17.8 26.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.148 ng
RT: 25.56 min Scan# 3855
Delta R.T. 0.02 min
Lab File: BP002348.D
Acq: 01 Jun 2020 20:15

Tgt Ion:276 Resp: 565335
Ion Ratio Lower Upper
276 100
138 24.8 18.2 27.4
277 25.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.376 ng

RT: 22.67 min Scan# 3364

Delta R.T. 0.02 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

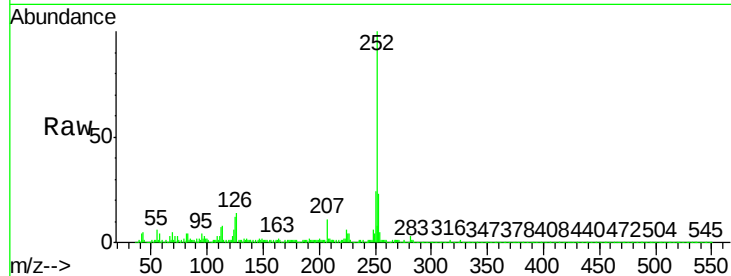
Tot Ion:252 Resp: 1489183

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

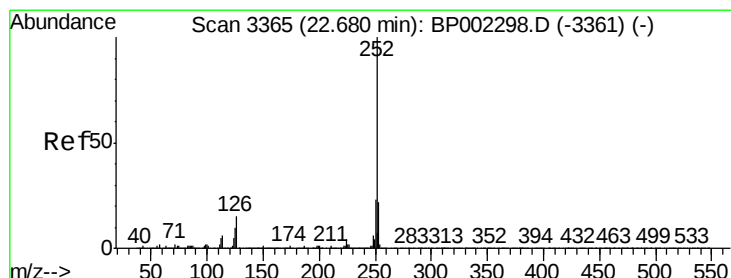
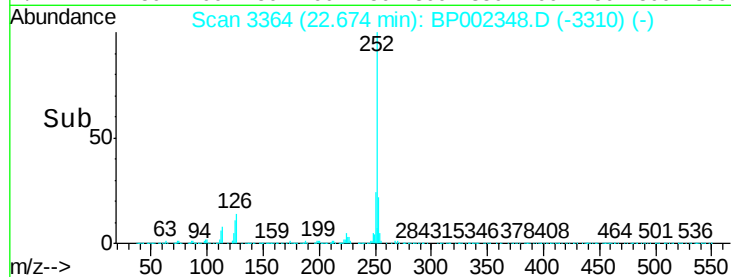
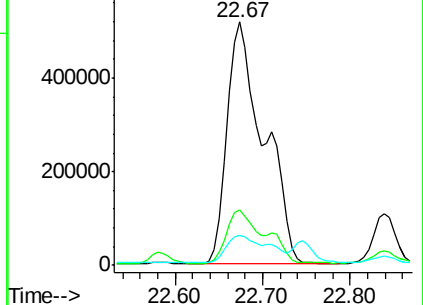
125 12.3 7.2 10.8#



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



#89

Benzo(k)fluoranthene

Concen: 22.276 ng

RT: 22.67 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

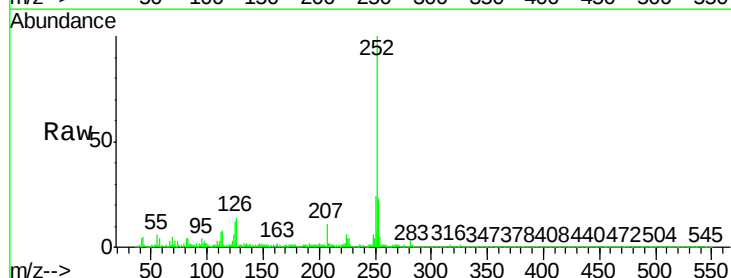
Tgt Ion:252 Resp: 1489183

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

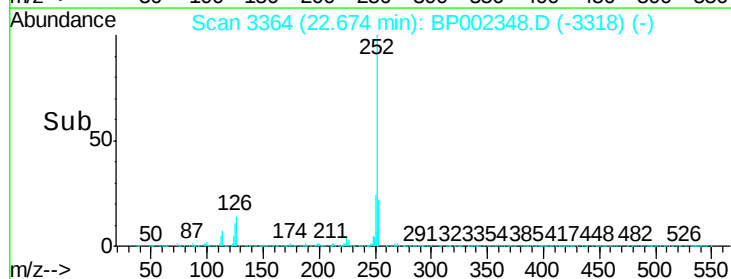
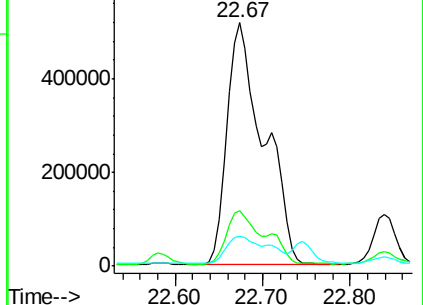
125 12.3 7.4 11.2#

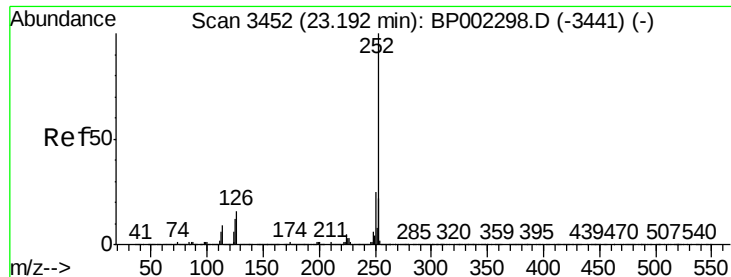


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.901 ng

RT: 23.24 min Scan# 3460

Delta R.T. 0.02 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

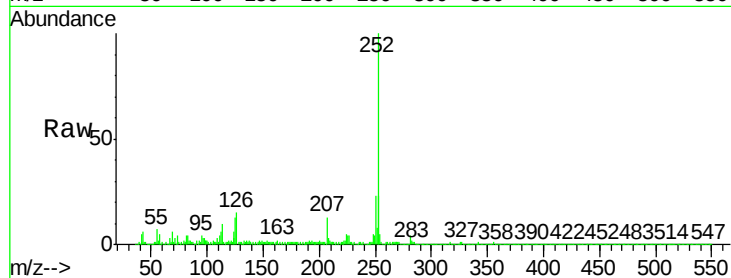
Tot Ion:252 Resp: 833700

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

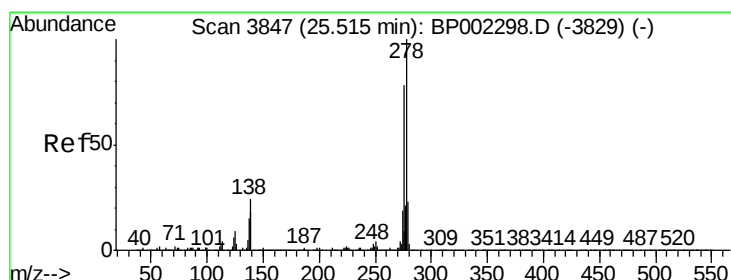
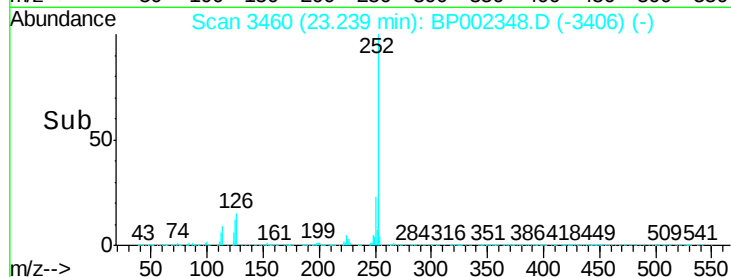
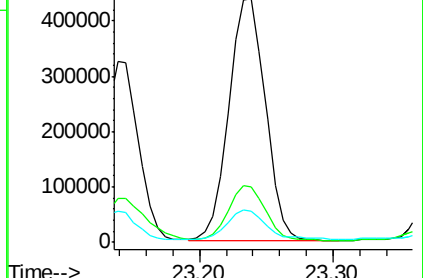
125 13.0 8.4 12.6#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.293 ng

RT: 25.57 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

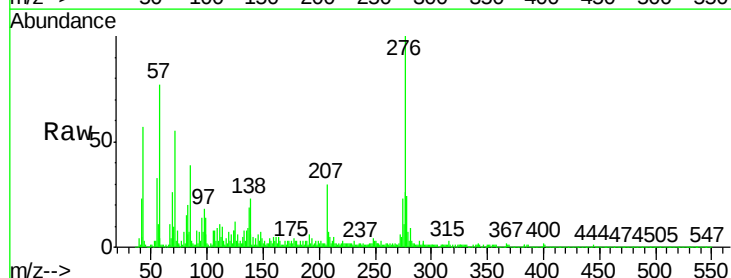
Tgt Ion:278 Resp: 147872

Ion Ratio Lower Upper

278 100

139 26.7 11.3 16.9#

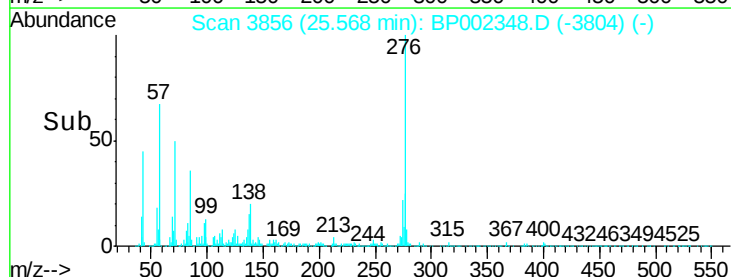
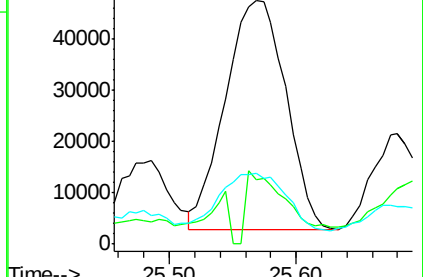
279 28.9 18.9 28.3#

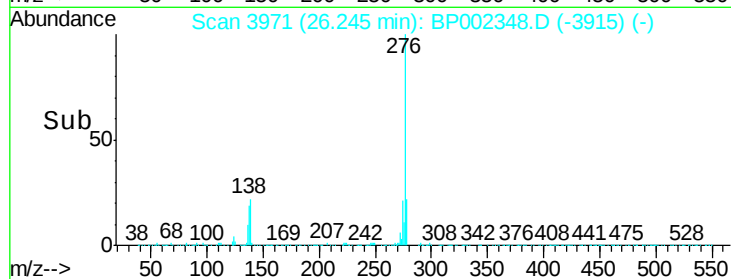
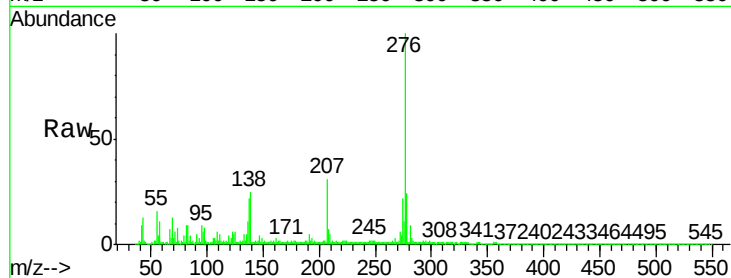
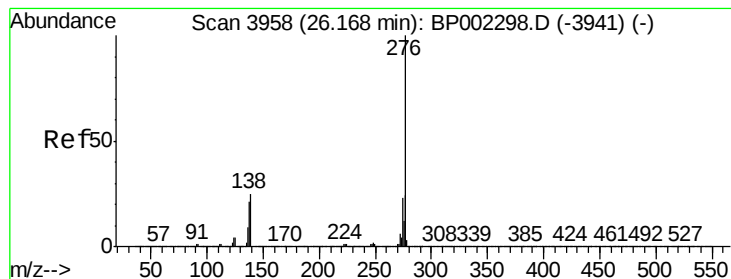


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 8.905 ng

RT: 26.24 min Scan# 3971

Delta R.T. 0.03 min

Lab File: BP002348.D

Acq: 01 Jun 2020 20:15

Instrument :

BNA_P

ClientSampleId :

Tot Ion:276 Resp: 585739

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 25.0 16.0 24.0#

