

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062620\
 Data File : BP002555.D
 Acq On : 26 Jun 2020 17:22
 Operator : CG/JU
 Sample : L3126-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4-S

Quant Time: Jun 26 18:16:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 13:54:06 2020
 Response via : Initial Calibration

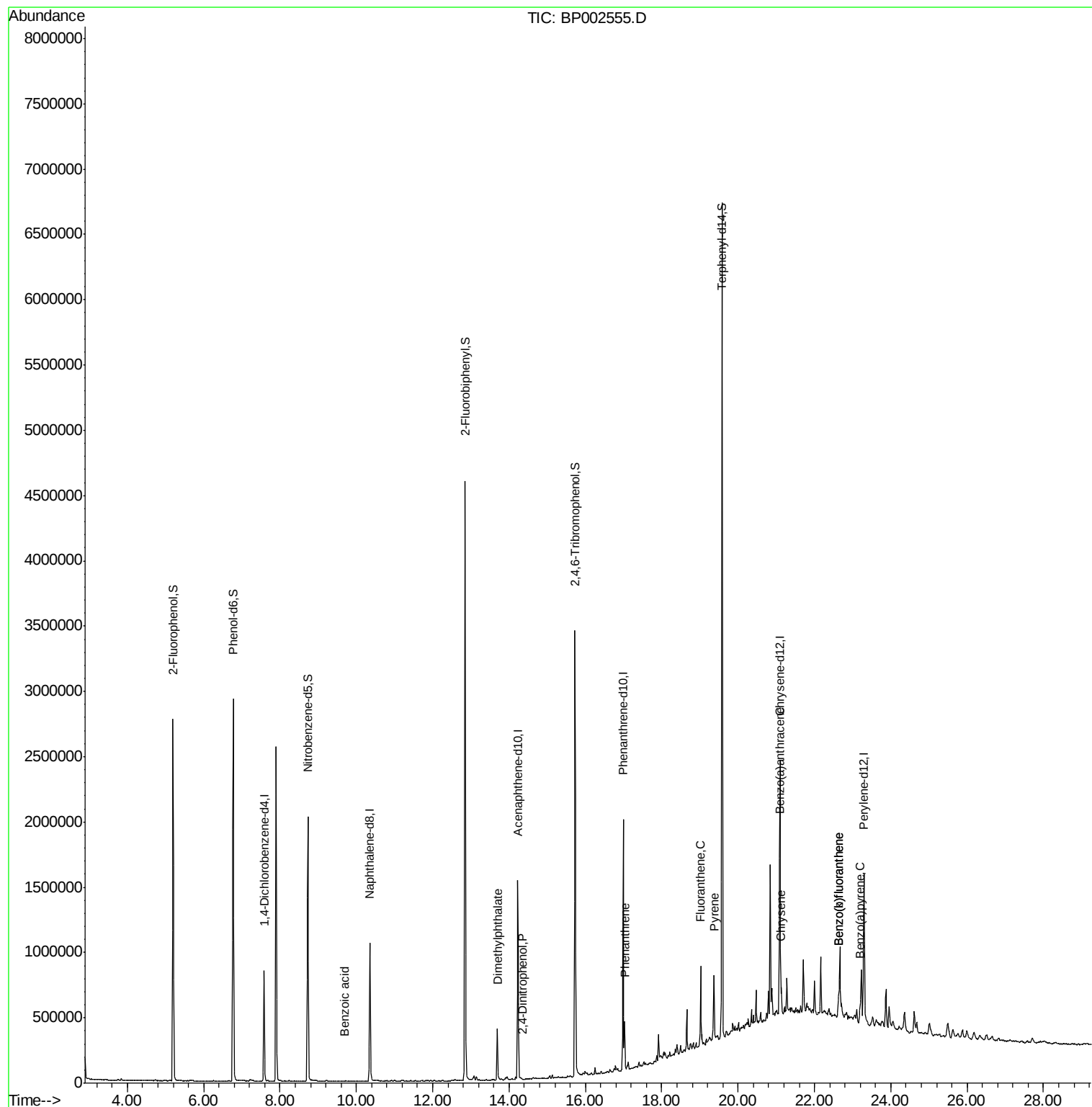
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	218092	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	875793	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	535878	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1146300	20.00	ng	0.00
76) Chrysene-d12	21.10	240	891904	20.00	ng	0.00
86) Perylene-d12	23.30	264	774536	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1218965	103.42	ng	0.00
7) Phenol-d6	6.78	99	1688101	107.58	ng	0.00
23) Nitrobenzene-d5	8.73	82	1191806	81.27	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	651434	126.97	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2480037	77.82	ng	0.00
79) Terphenyl-d14	19.58	244	3185783	95.11	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	205	Below Cal	#	47
32) Benzoic acid	9.70	122	298	4.629 ng	#	73
50) Dimethylphthalate	13.69	163	267358	7.281 ng		99
54) 2,4-Dinitrophenol	14.37	184	31	2.792 ng	#	1
61) 4-Chlorophenyl-phenylether	15.29	204	97	Below Cal	#	1
71) Phenanthrene	17.03	178	214030	3.991 ng		99
75) Fluoranthene	19.02	202	344304	5.379 ng		98
78) Pyrene	19.37	202	300376	5.498 ng		100
81) Benzo(a)anthracene	21.08	228	128420	2.522 ng		98
83) Chrysene	21.13	228	121567	2.520 ng		98
88) Benzo(b)fluoranthene	22.64	252	135098	3.234 ng	#	89
89) Benzo(k)fluoranthene	22.64	252	134976	3.401 ng	#	87
90) Benzo(a)pyrene	23.20	252	91643	2.341 ng	#	95

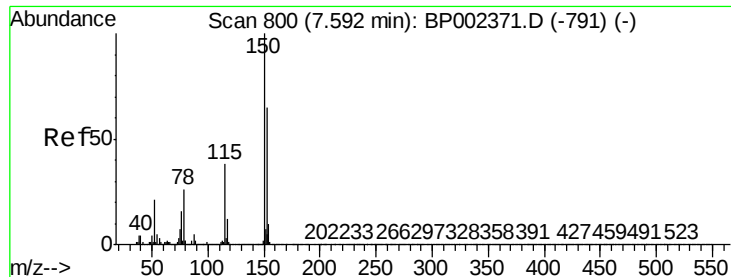
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.58 min Scan# 798

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

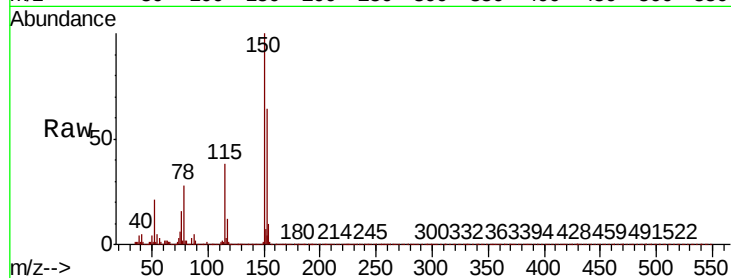
Tot Ion:152 Resp: 218092

Ion Ratio Lower Upper

152 100

150 156.0 124.4 186.6

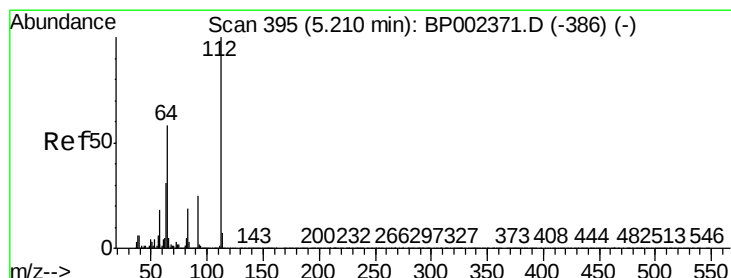
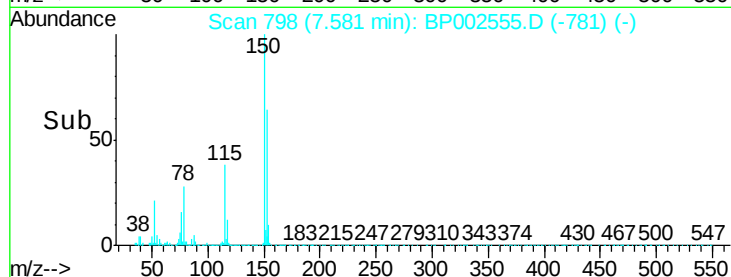
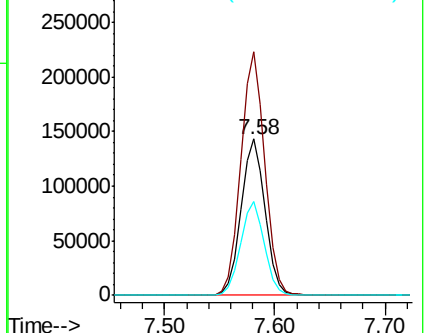
115 60.0 47.8 71.6



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: 103.424 ng

RT: 5.20 min Scan# 393

Delta R.T. -0.01 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

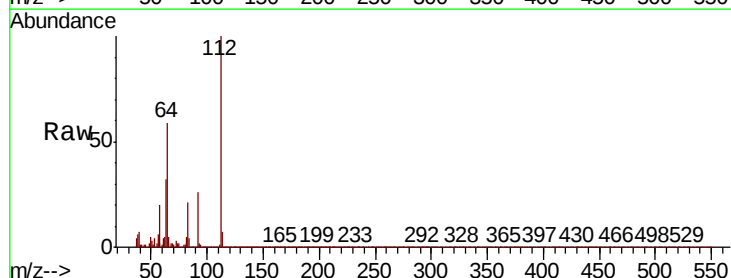
Tgt Ion:112 Resp: 1218965

Ion Ratio Lower Upper

112 100

64 59.0 46.4 69.6

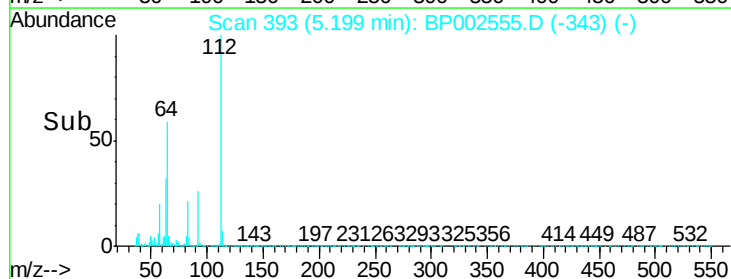
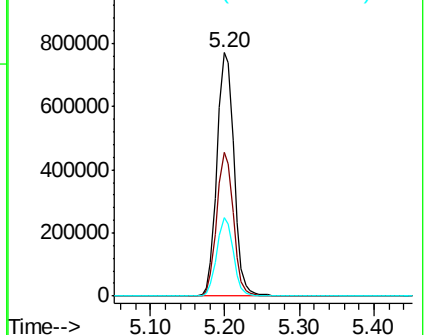
63 32.1 25.0 37.6



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: 107.578 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

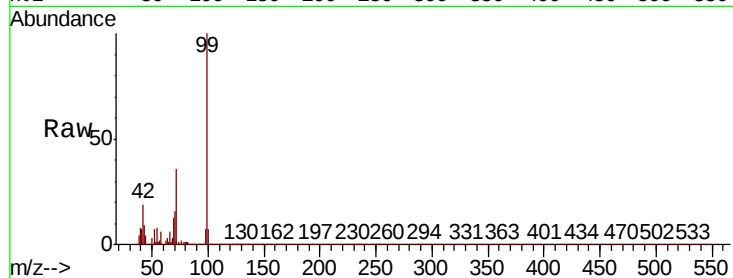
BNA_P

ClientSampleId :

TP-4-S

Tot Ion: 99 Resp: 1688101

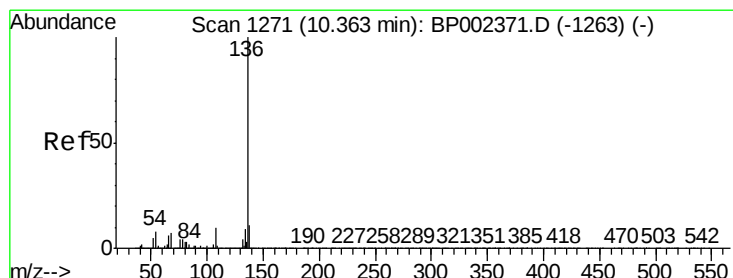
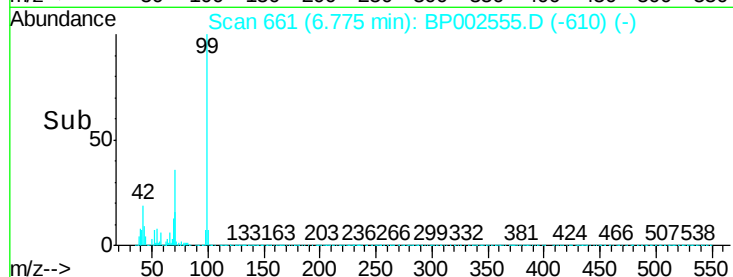
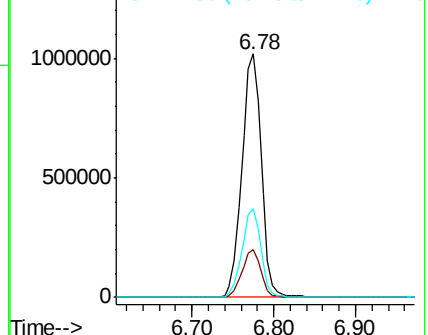
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.3	22.9
71	36.5	28.2	42.2



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: 10.35 min Scan# 1269

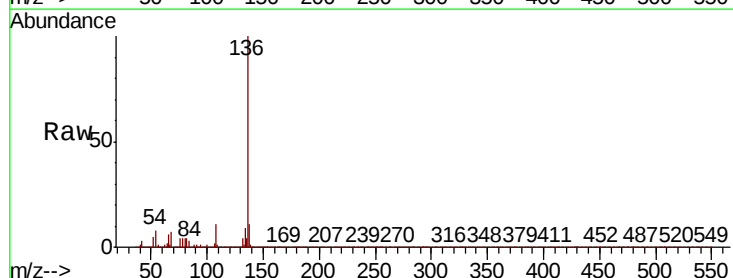
Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Tgt Ion: 136 Resp: 875793

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.5	6.6	10.0
68	6.6	5.4	8.0

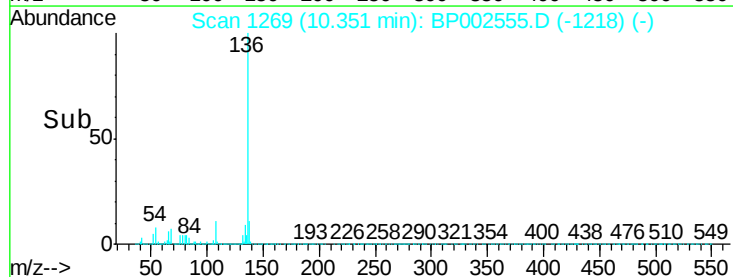
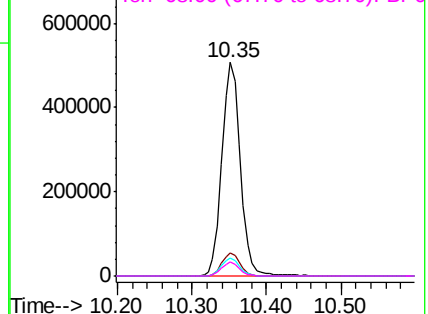


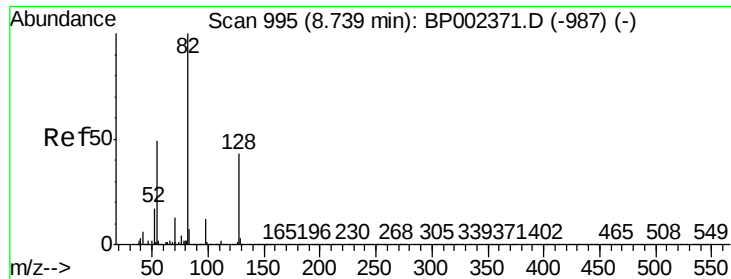
Abundance Ion 136.00 (135.70 to 136.70): E

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

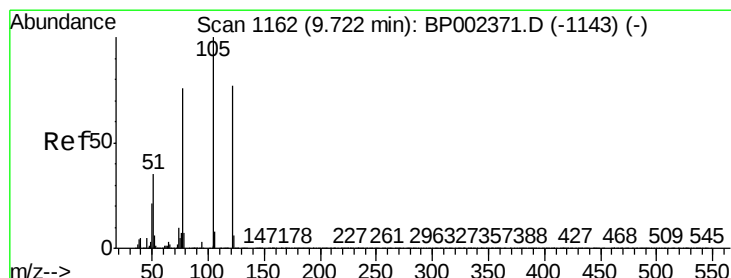
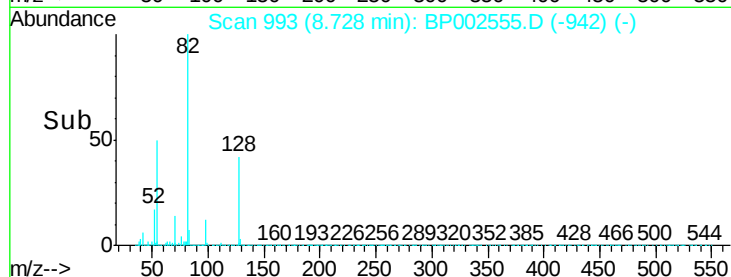
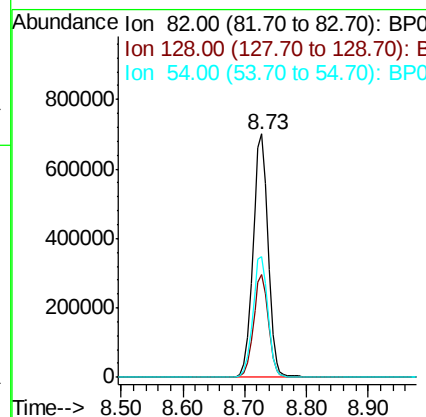
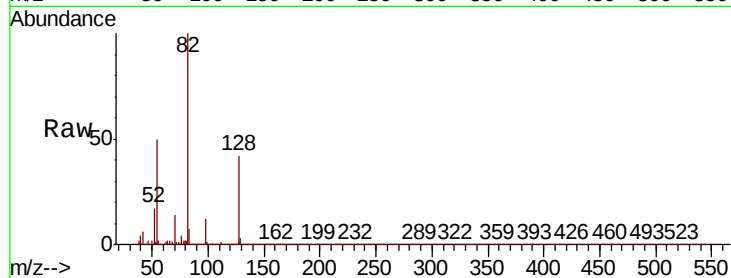




#23
 Nitrobenzene-d5
 Concen: 81.267 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: BP002555.D
 Acq: 26 Jun 2020 17:22

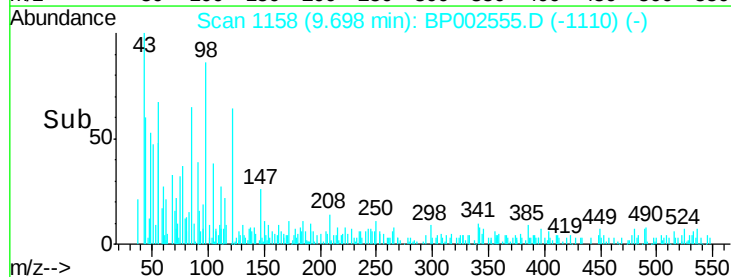
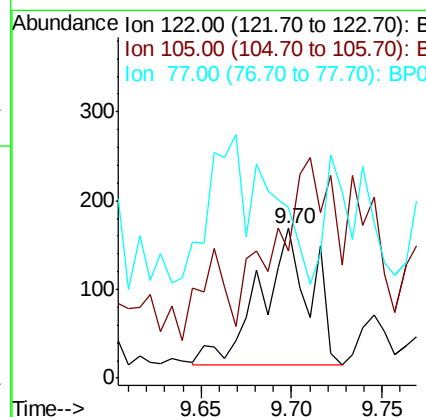
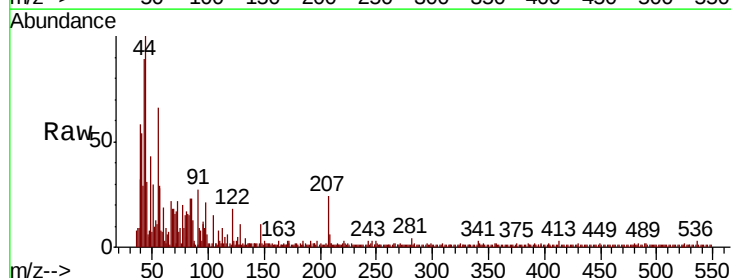
Instrument :
 BNA_P
 ClientSampleId :
 TP-4-S

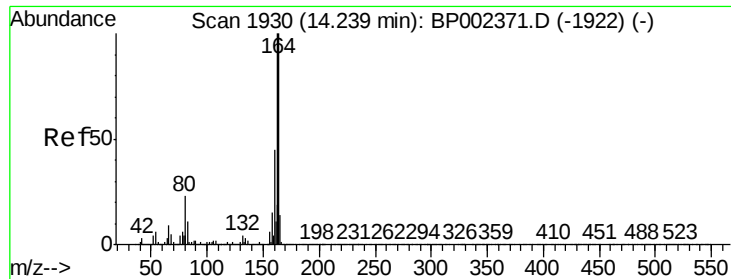
Tot Ion: 82 Resp: 1191806
 Ion Ratio Lower Upper
 82 100
 128 42.0 32.8 49.2
 54 49.7 39.9 59.9



#32
 Benzoic acid
 Concen: 4.629 ng
 RT: 9.70 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BP002555.D
 Acq: 26 Jun 2020 17:22

Tgt Ion: 122 Resp: 298
 Ion Ratio Lower Upper
 122 100
 105 85.2 105.0 145.0#
 77 114.2 76.9 116.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

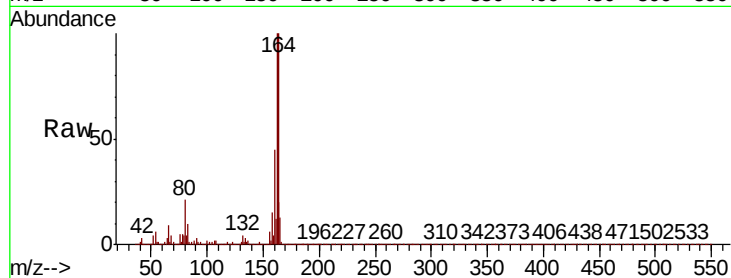
Tot Ion:164 Resp: 535878

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

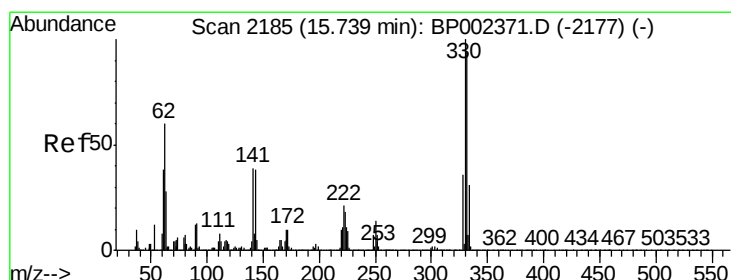
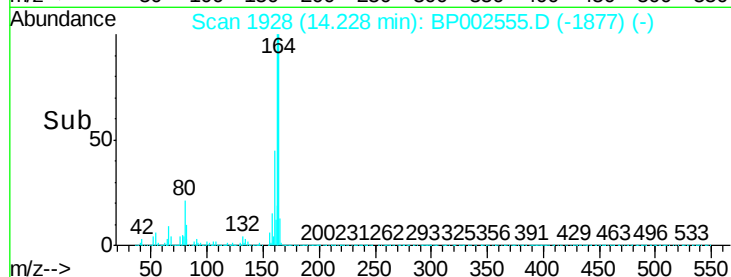
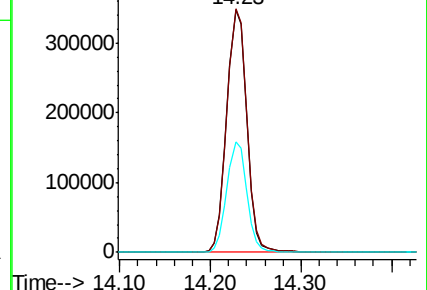
160 45.5 35.4 53.2



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: 126.969 ng

RT: 15.73 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

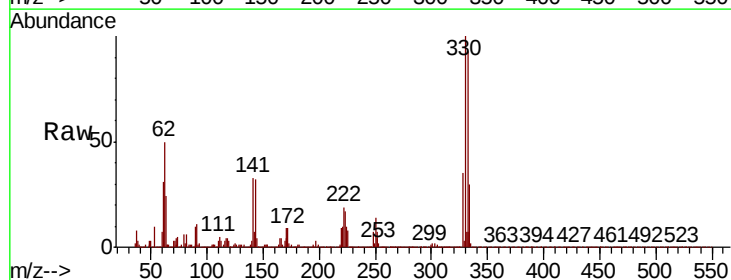
Tgt Ion:330 Resp: 651434

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

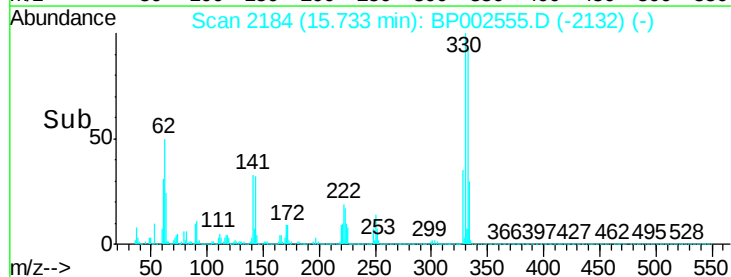
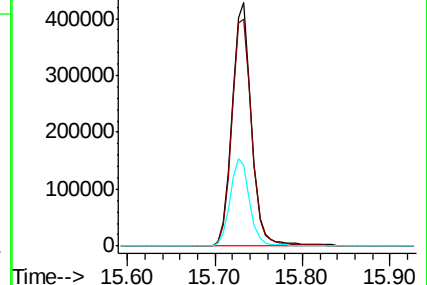
141 36.5 30.4 45.6

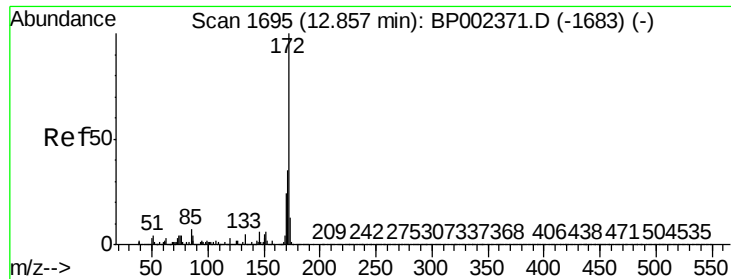


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

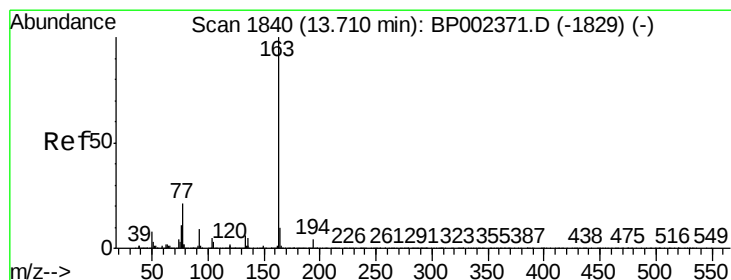
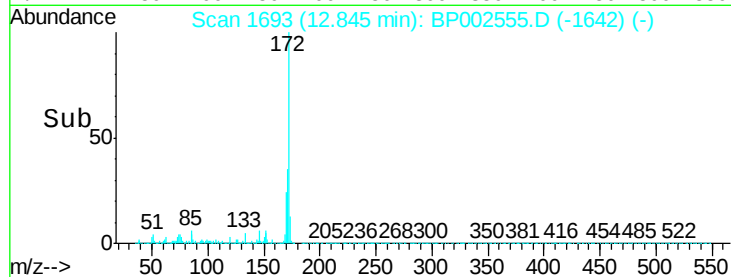
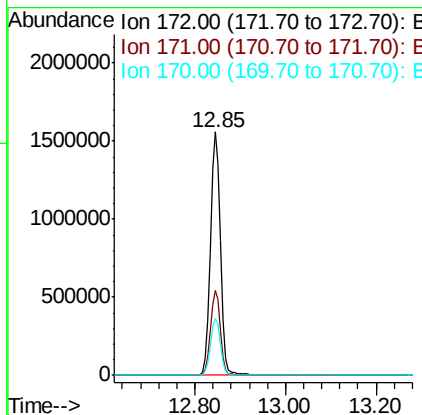
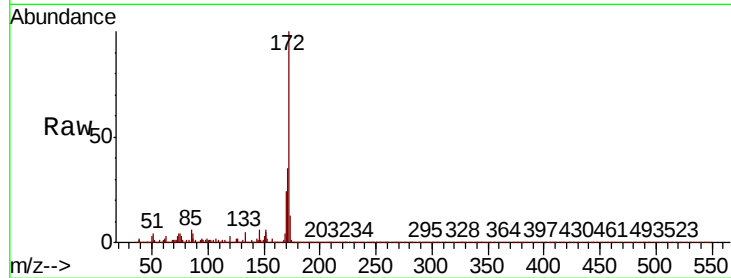




#45
2-Fluorobiphenyl
Concen: 77.816 ng
RT: 12.85 min Scan# 1693
Delta R.T. -0.00 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

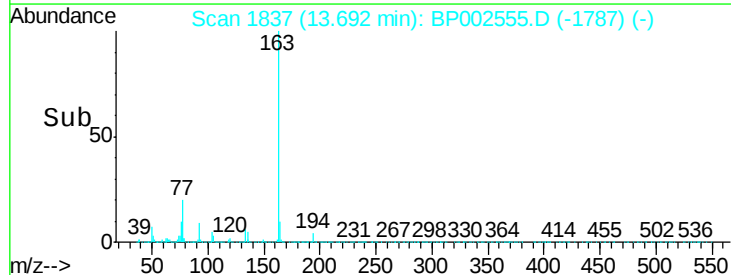
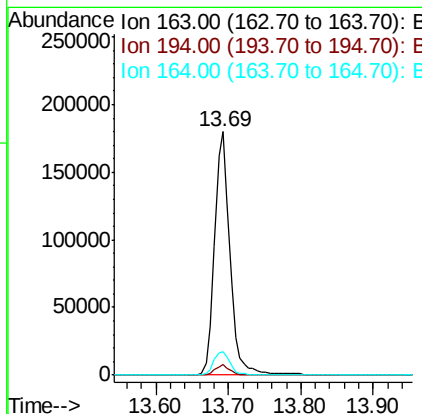
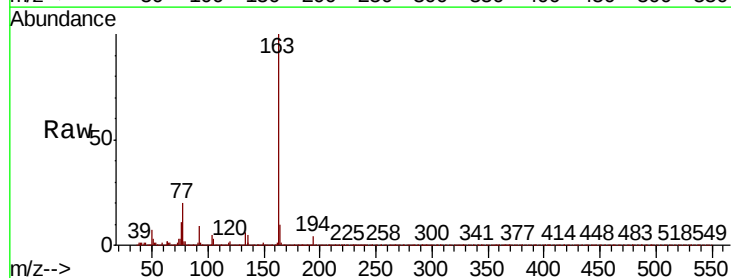
Instrument :
BNA_P
ClientSampleId :
TP-4-S

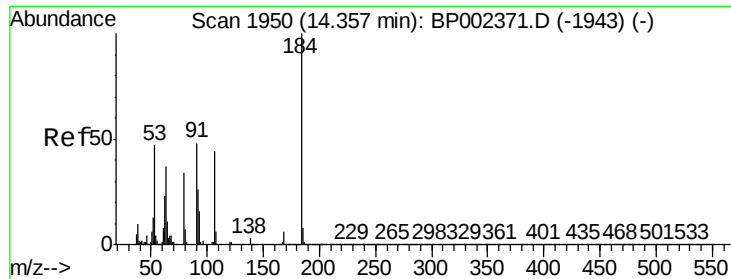
Tot Ion:172 Resp: 2480037
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.5 19.0 28.6



#50
Dimethylphthalate
Concen: 7.281 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

Tgt Ion:163 Resp: 267358
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 9.8 8.2 12.2

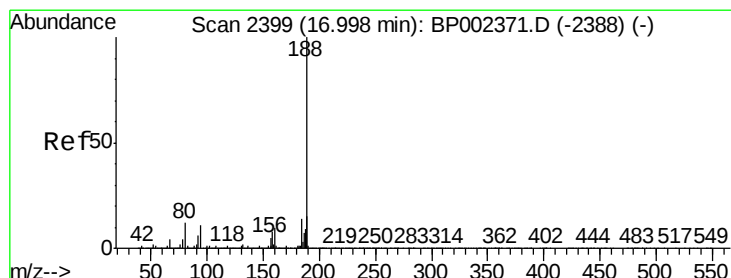
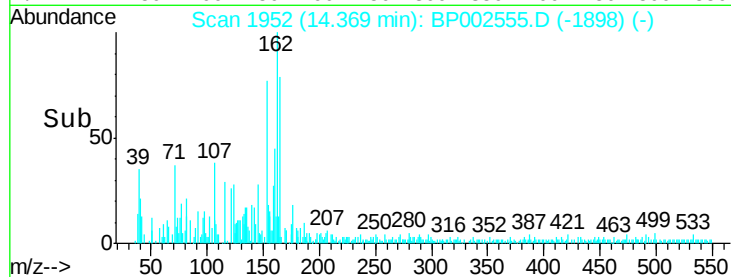
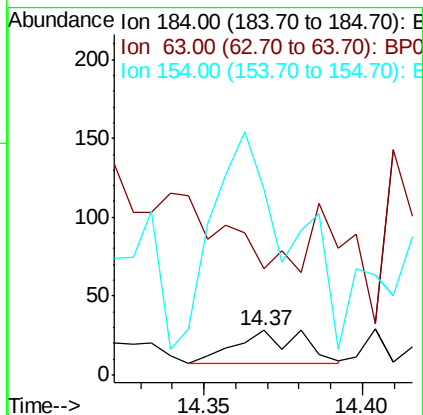
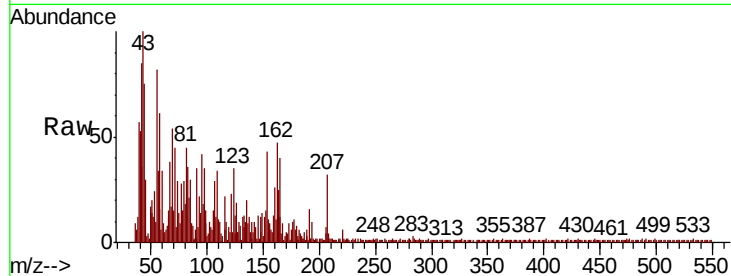




#54
2,4-Dinitrophenol
Concen: 2.792 ng
RT: 14.37 min Scan# 1952
Delta R.T. 0.02 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

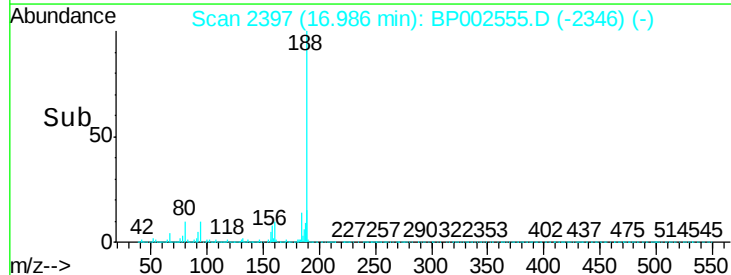
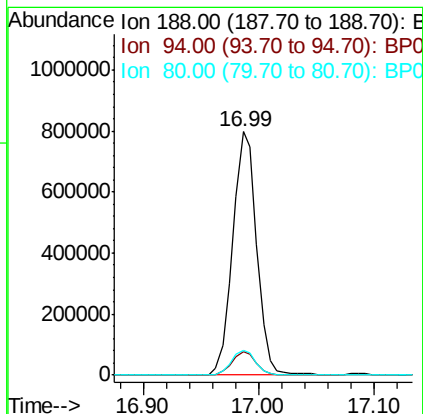
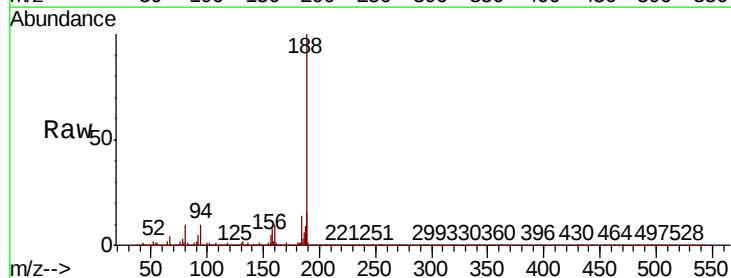
Instrument :
BNA_P
ClientSampled :
TP-4-S

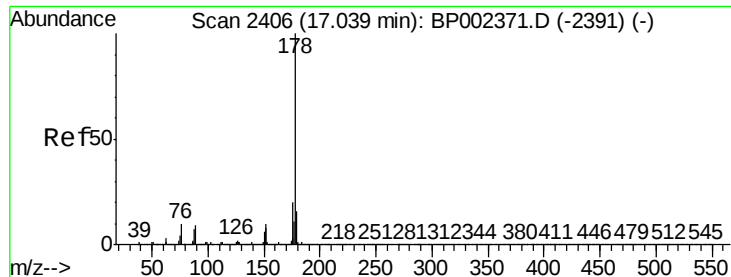
Tot Ion:184 Resp: 31
Ion Ratio Lower Upper
184 100
63 239.3 51.3 76.9#
154 421.4 50.2 75.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

Tgt Ion:188 Resp: 1146300
Ion Ratio Lower Upper
188 100
94 9.6 7.6 11.4
80 10.2 8.3 12.5





#71

Phenanthrene

Concen: 3.991 ng

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

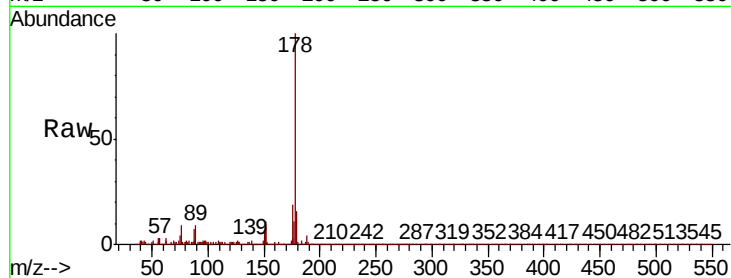
Tot Ion:178 Resp: 214030

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

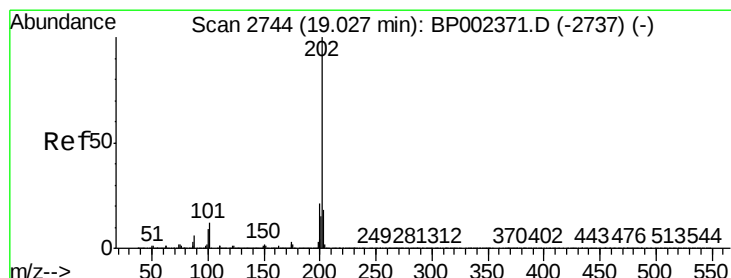
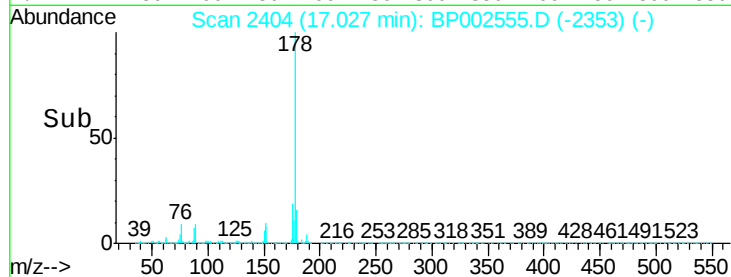
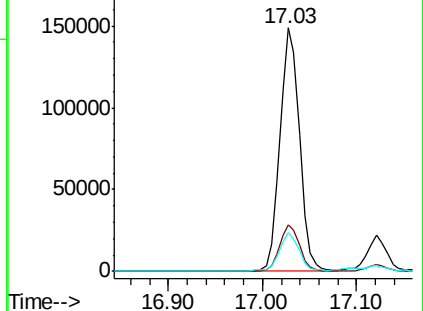
179 15.9 12.8 19.2



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: 5.379 ng

RT: 19.02 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

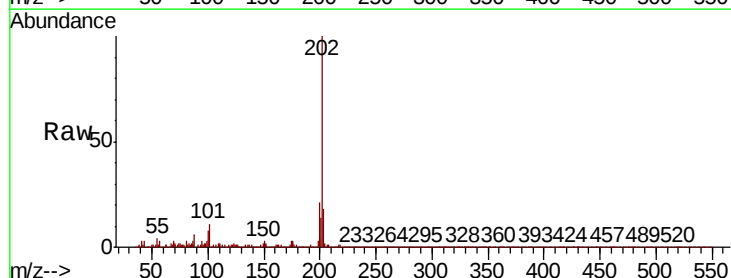
Tgt Ion:202 Resp: 344304

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

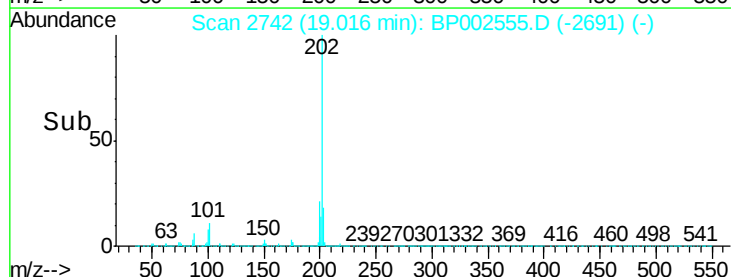
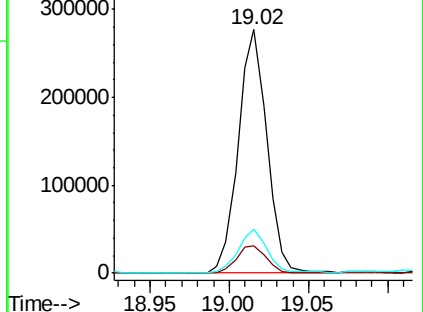
203 17.8 0.0 36.9

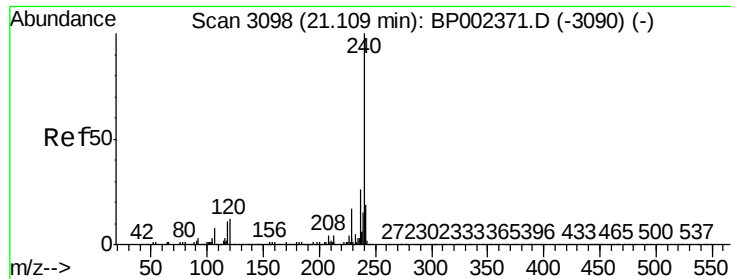


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

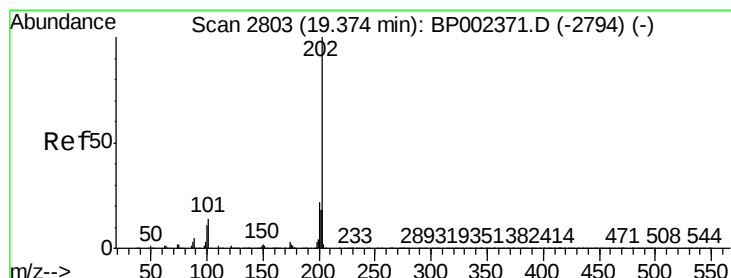
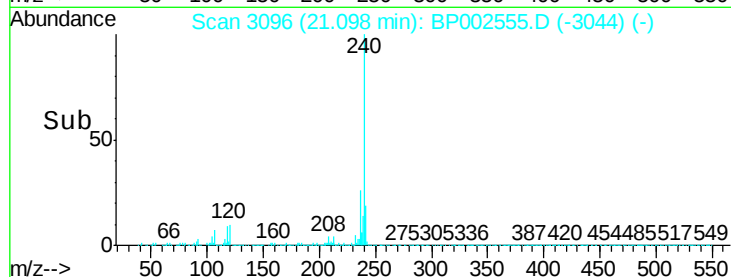
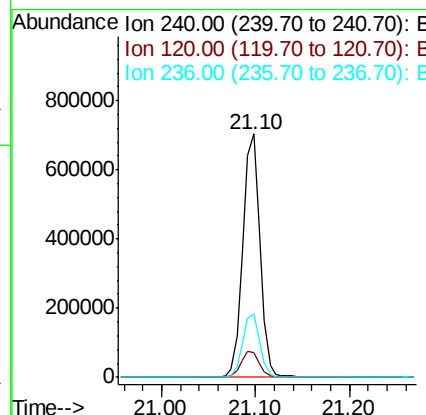
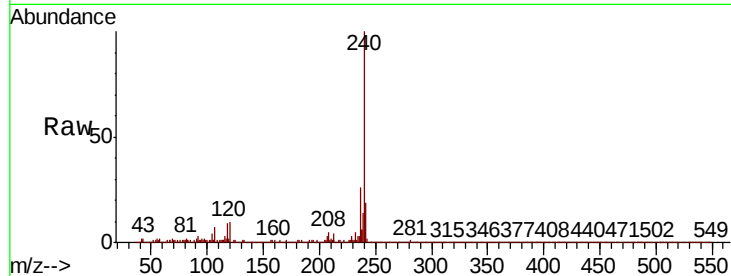




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.10 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BP002555.D
 Acq: 26 Jun 2020 17:22

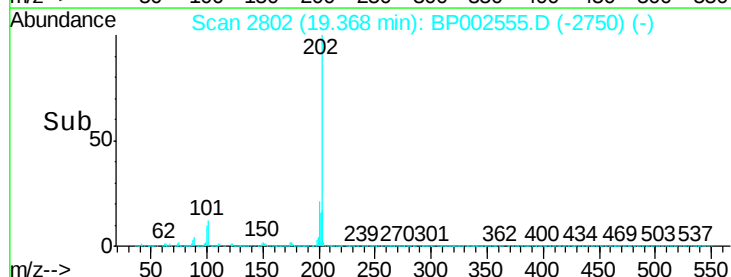
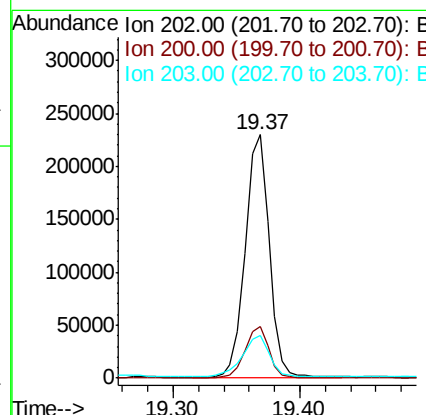
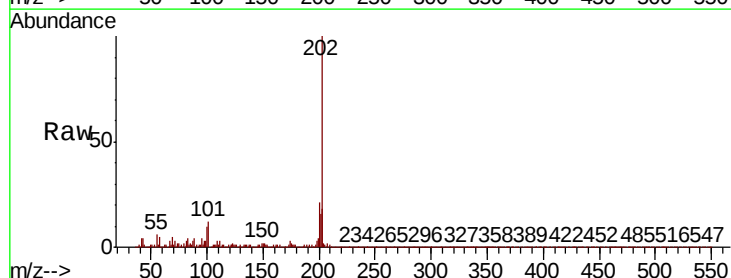
Instrument :
 BNA_P
 ClientSampleId :
 TP-4-S

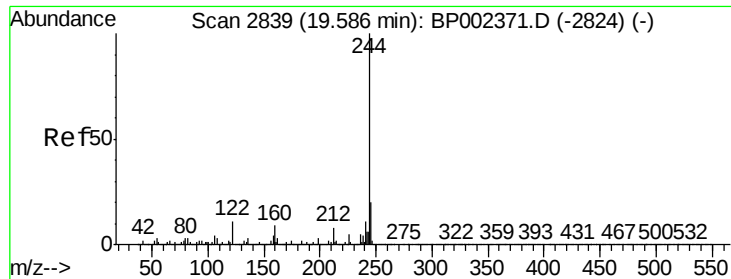
Tot Ion:240 Resp: 891904
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.9 13.3
 236 25.8 21.7 32.5



#78
 Pyrene
 Concen: 5.498 ng
 RT: 19.37 min Scan# 2802
 Delta R.T. 0.01 min
 Lab File: BP002555.D
 Acq: 26 Jun 2020 17:22

Tgt Ion:202 Resp: 300376
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 95.113 ng

RT: 19.58 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

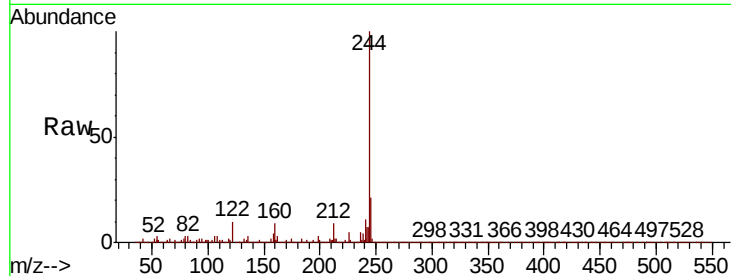
Tot Ion:244 Resp: 3185783

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

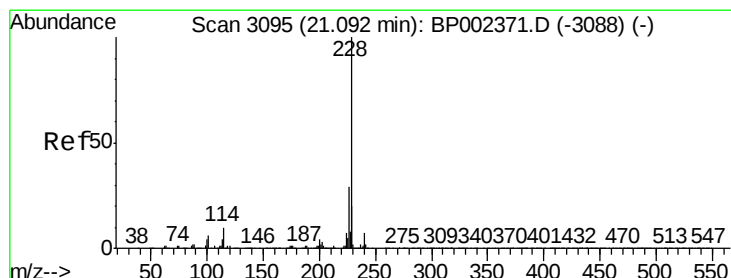
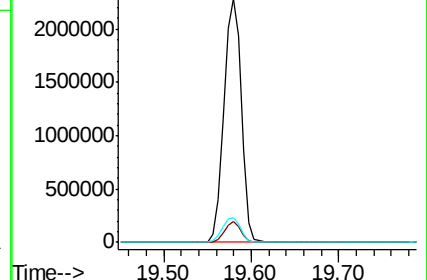
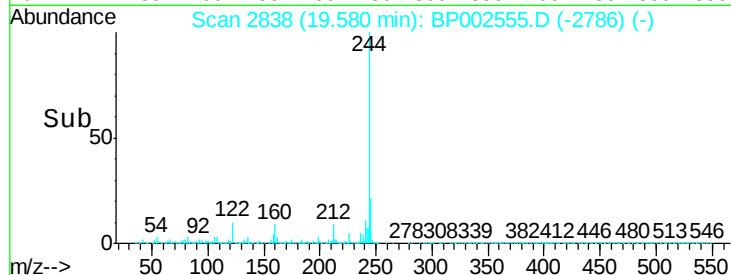
122 10.1 8.0 12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.522 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

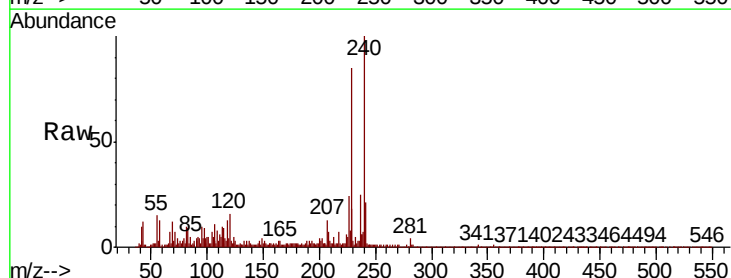
Tgt Ion:228 Resp: 128420

Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

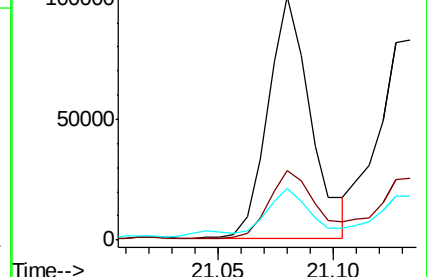
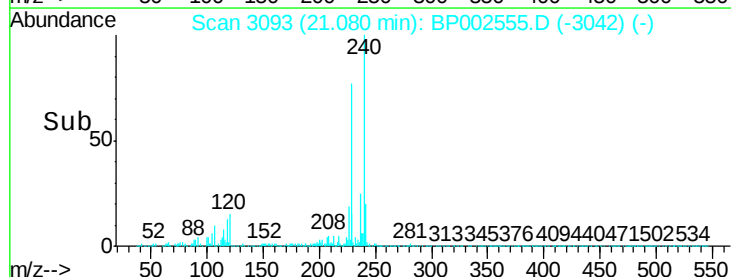
229 21.1 15.9 23.9

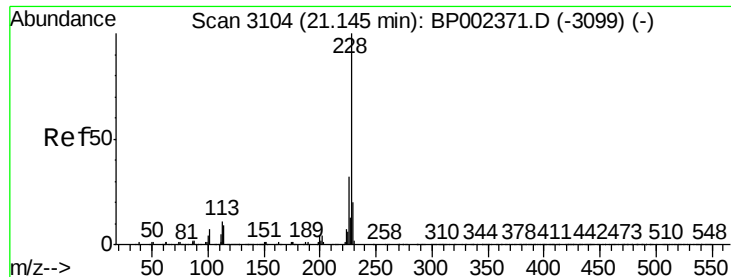


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

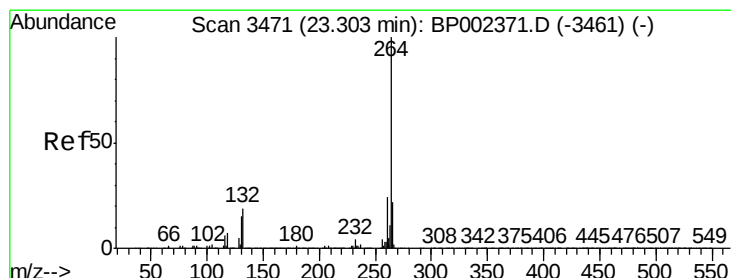
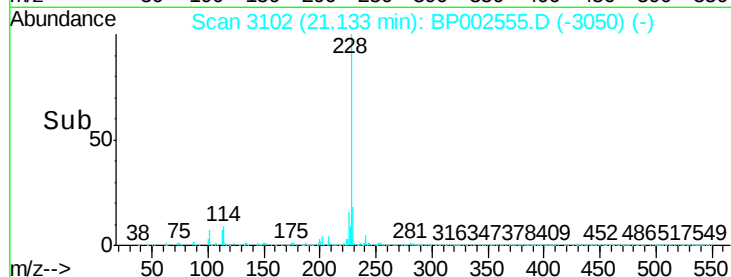
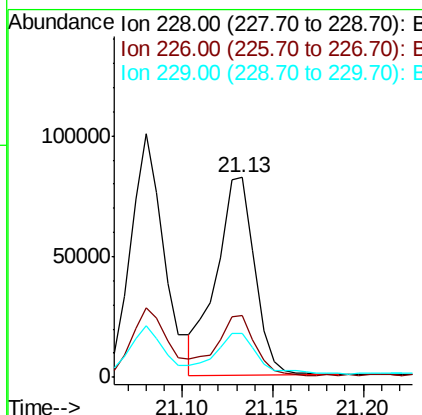
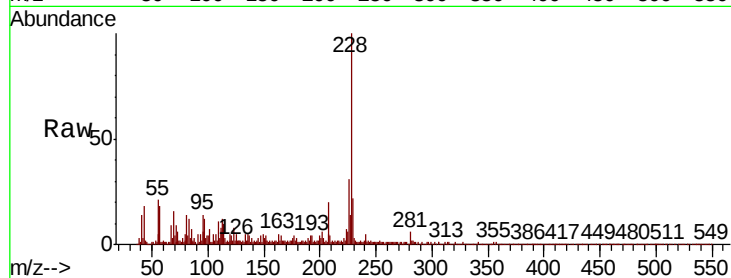




#83
Chrysene
Concen: 2.520 ng
RT: 21.13 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

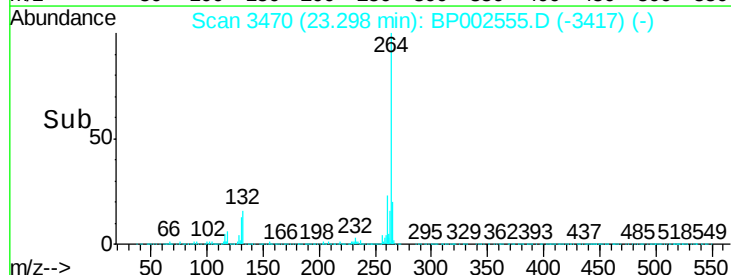
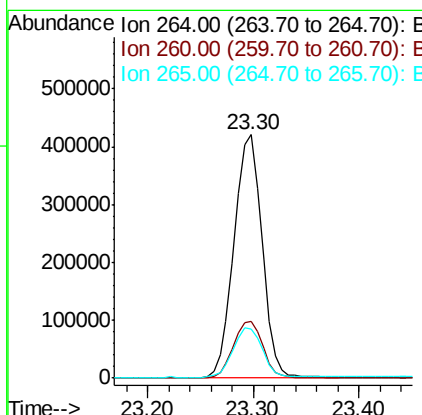
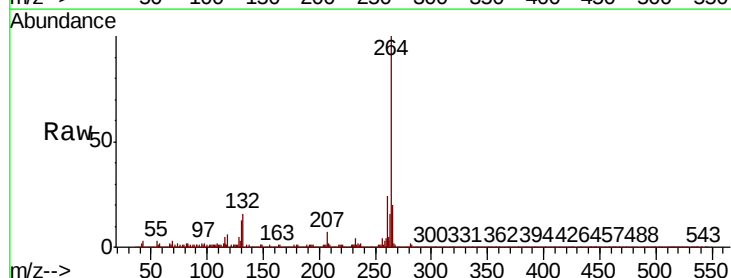
Instrument :
BNA_P
ClientSampled :
TP-4-S

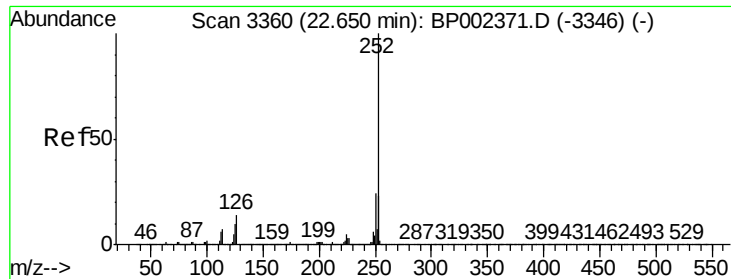
Tot Ion:228 Resp: 121567
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 21.8 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BP002555.D
Acq: 26 Jun 2020 17:22

Tgt Ion:264 Resp: 774536
Ion Ratio Lower Upper
264 100
260 23.5 19.7 29.5
265 20.4 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 3.234 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

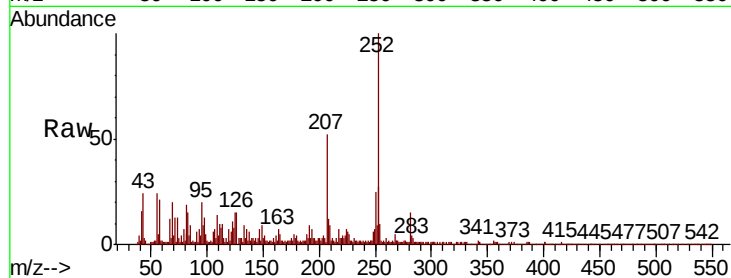
Tot Ion:252 Resp: 135098

Ion Ratio Lower Upper

252 100

253 26.8 18.1 27.1

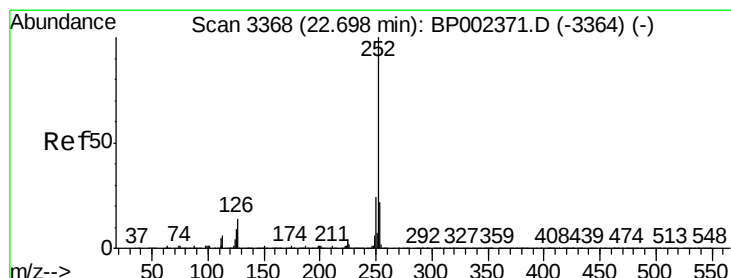
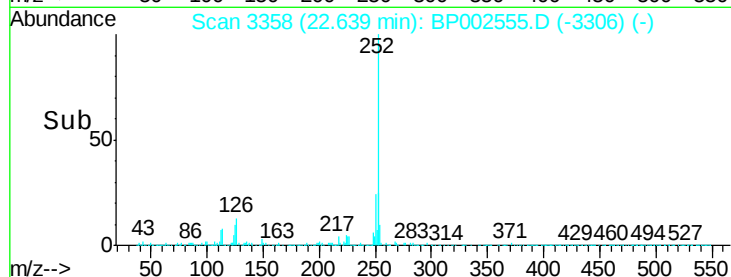
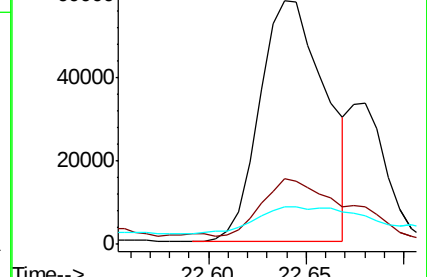
125 15.4 7.5 11.3#



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: 3.401 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

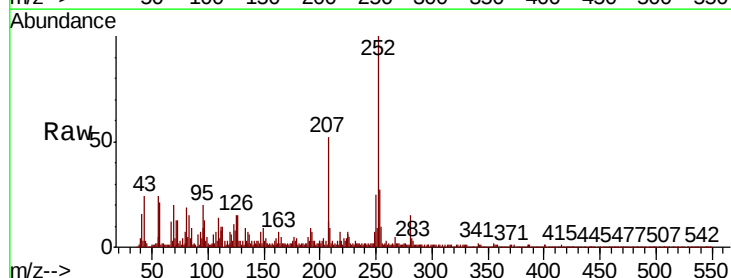
Tgt Ion:252 Resp: 134976

Ion Ratio Lower Upper

252 100

253 26.8 17.1 25.7#

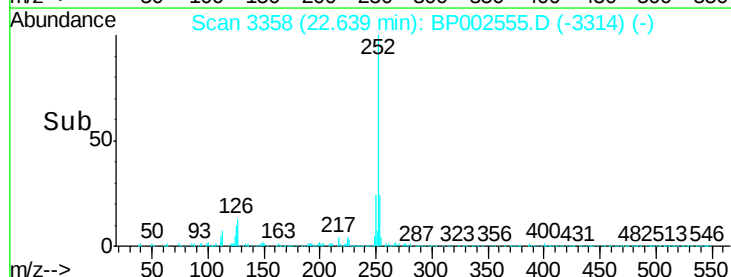
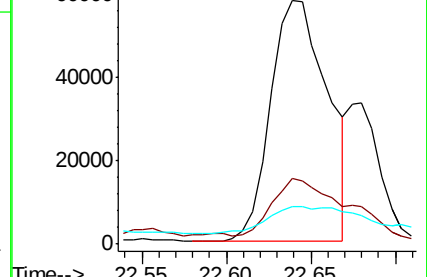
125 15.4 7.0 10.4#

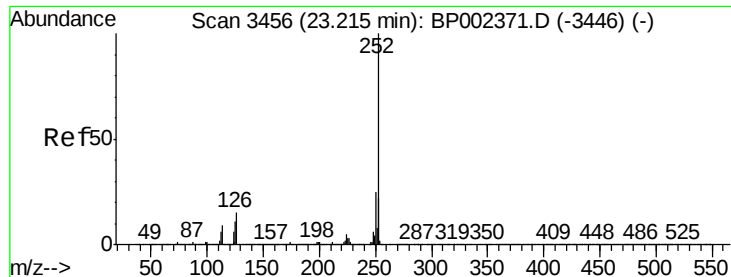


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.341 ng

RT: 23.20 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BP002555.D

Acq: 26 Jun 2020 17:22

Instrument :

BNA_P

ClientSampleId :

TP-4-S

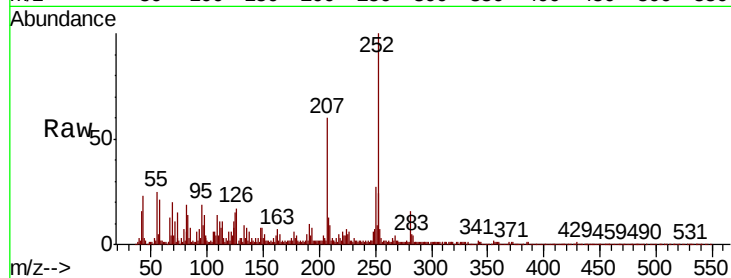
Tot Ion:252 Resp: 91643

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

125 15.4 8.7 13.1#



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

