

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002833.D
 Acq On : 22 Jul 2020 19:49
 Operator : CG/JU
 Sample : L3186-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-072120

Quant Time: Jul 23 01:41:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

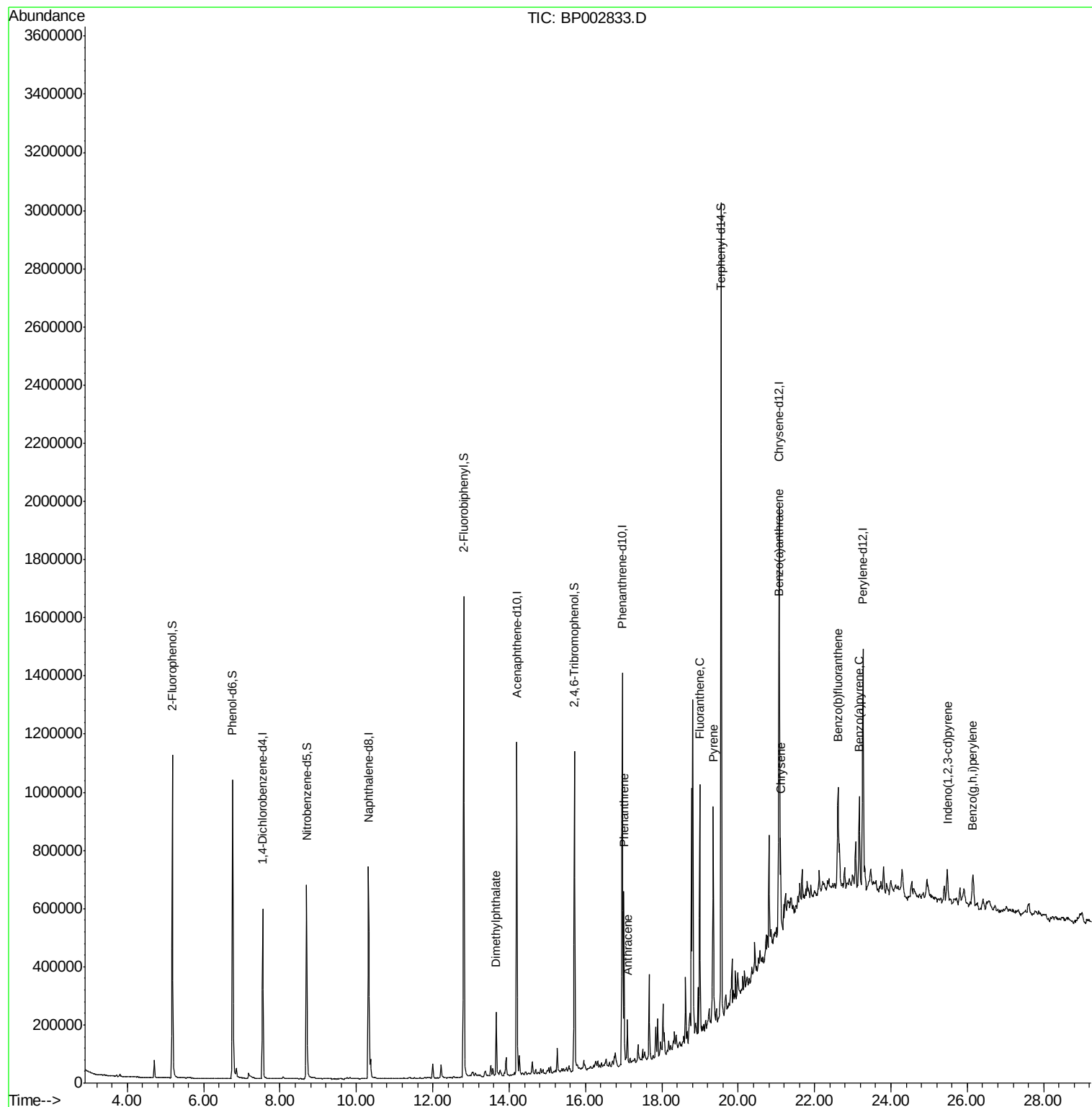
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	154587	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	627204	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	376023	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	814573	20.00	ng	0.00
76) Chrysene-d12	21.07	240	657206	20.00	ng	0.00
86) Perylene-d12	23.26	264	578288	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	509059	55.56	ng	0.00
7) Phenol-d6	6.76	99	683958	52.31	ng	0.00
23) Nitrobenzene-d5	8.69	82	415165	35.40	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	212451	54.13	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	893918	36.78	ng	-0.01
79) Terphenyl-d14	19.55	244	1151159	40.16	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.66	163	147498	5.143	ng	Qvalue 100
71) Phenanthrene	17.00	178	326153	7.395	ng	99
72) Anthracene	17.10	178	93223	2.154	ng	99
75) Fluoranthene	18.99	202	488934	9.567	ng	98
78) Pyrene	19.35	202	441559	9.731	ng	99
81) Benzo(a)anthracene	21.06	228	188705	4.436	ng	98
83) Chrysene	21.11	228	179074	4.422	ng	97
87) Indeno(1,2,3-cd)pyrene	25.47	276	115389	2.761	ng	96
88) Benzo(b)fluoranthene	22.61	252	233634	6.506	ng	# 95
90) Benzo(a)pyrene	23.17	252	164942	4.847	ng	# 93
92) Benzo(g,h,i)perylene	26.14	276	121757	3.563	ng	95

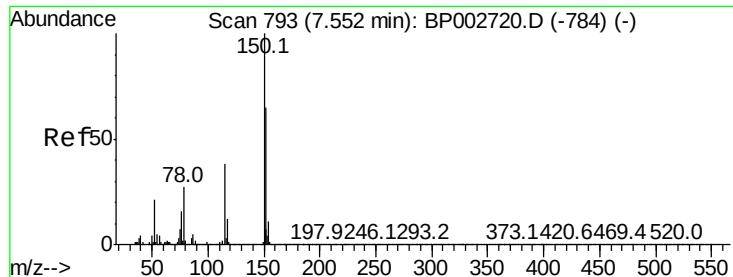
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.55 min Scan# 792

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

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BNA_P

ClientSampleId :

OR-03-072120

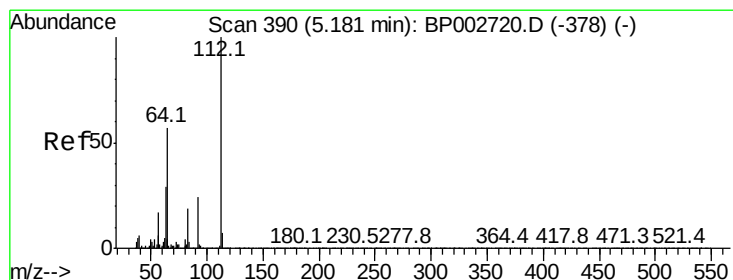
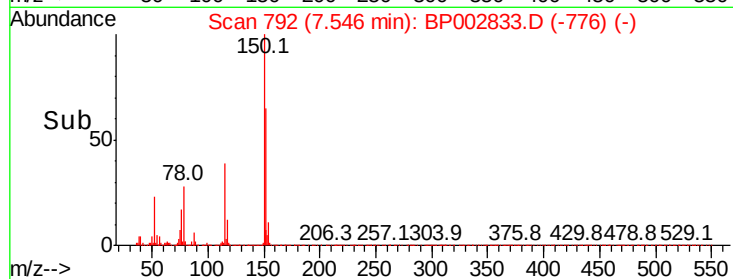
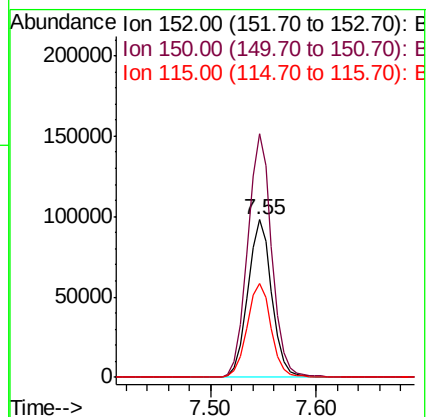
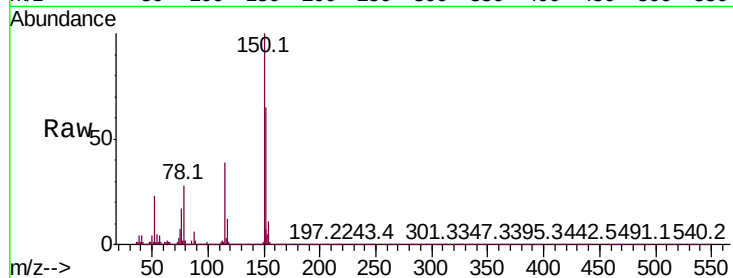
Tot Ion:152 Resp: 154587

Ion Ratio Lower Upper

152 100

150 154.6 123.7 185.5

115 59.6 47.2 70.8



#5

2-Fluorophenol

Concen: 55.559 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

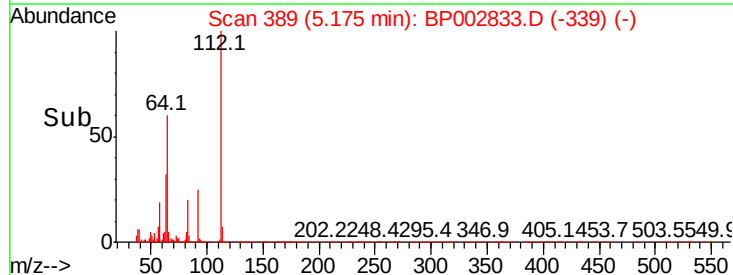
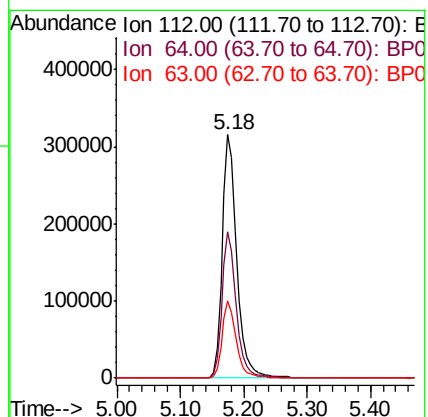
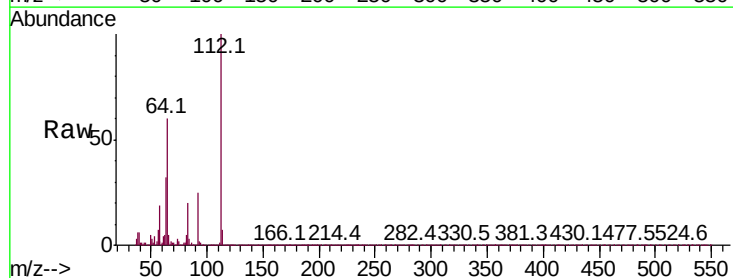
Tgt Ion:112 Resp: 509059

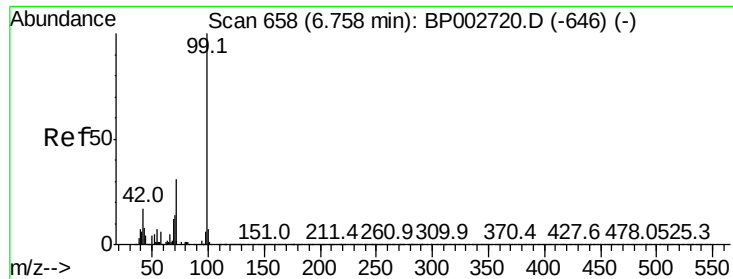
Ion Ratio Lower Upper

112 100

64 60.3 45.6 68.4

63 31.7 23.5 35.3





#7

Phenol-d6

Concen: 52.305 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

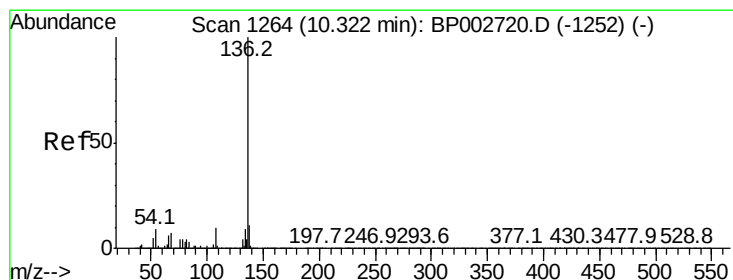
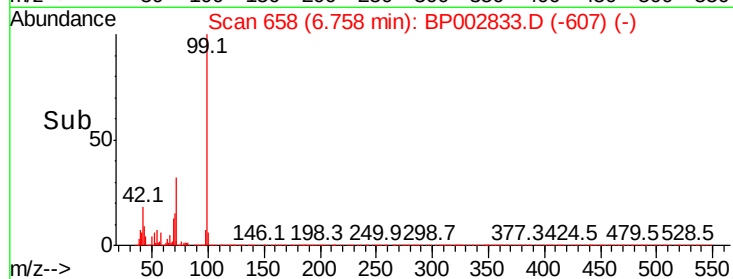
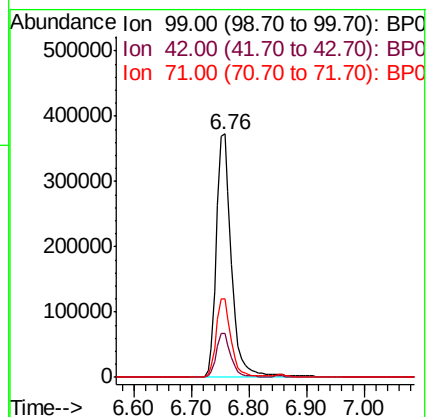
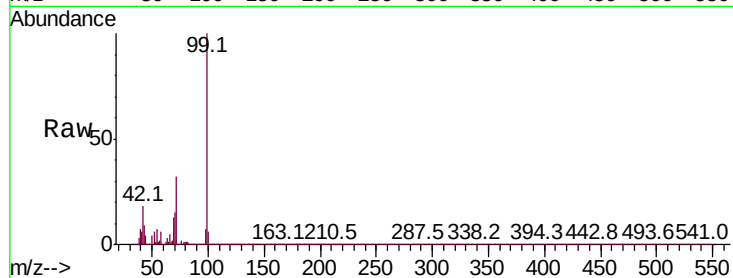
Tot Ion: 99 Resp: 683958

Ion Ratio Lower Upper

99 100

42 18.0 13.4 20.2

71 32.1 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Tgt Ion: 136 Resp: 627204

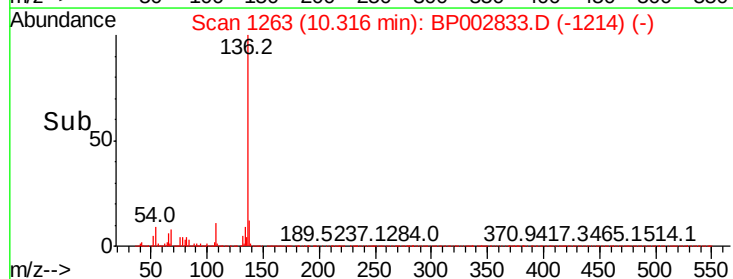
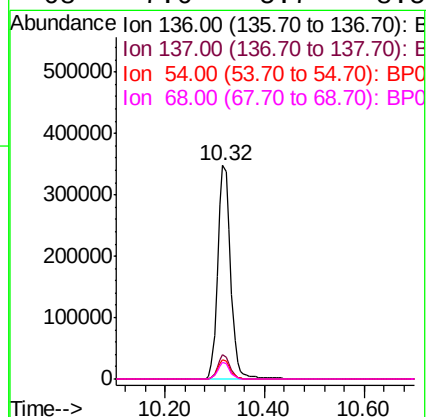
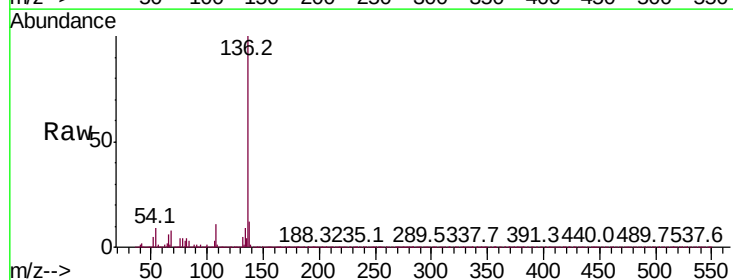
Ion Ratio Lower Upper

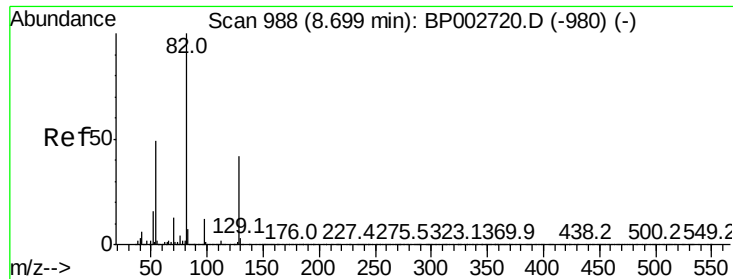
136 100

137 11.5 8.6 13.0

54 9.0 6.9 10.3

68 7.6 5.7 8.5

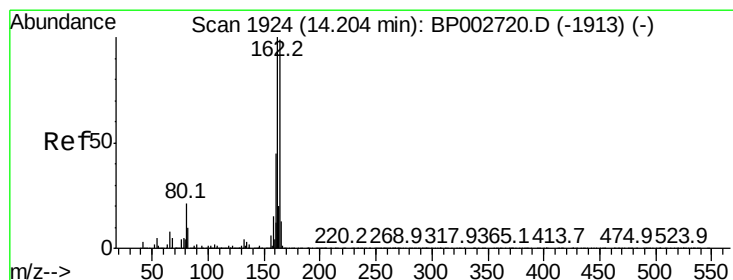
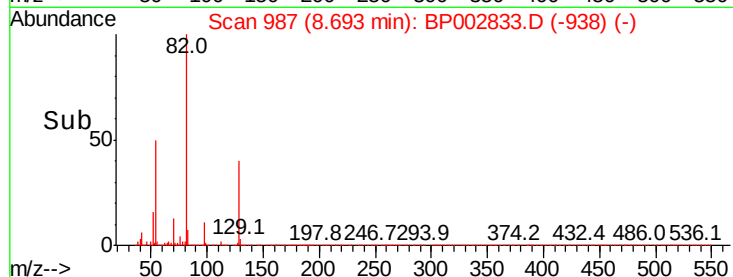
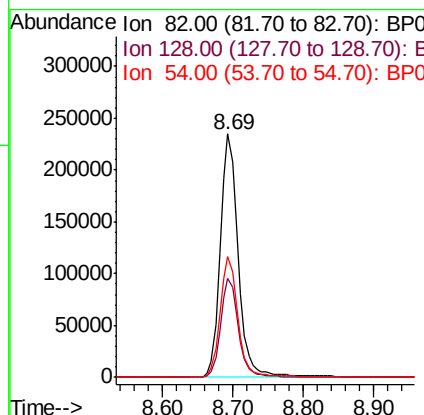
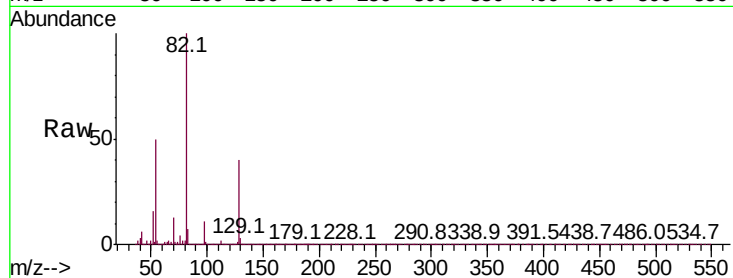




#23
 Nitrobenzene-d5
 Concen: 35.402 ng
 RT: 8.69 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BP002833.D
 Acq: 22 Jul 2020 19:49

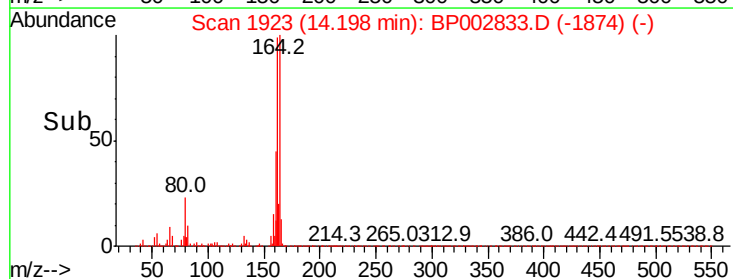
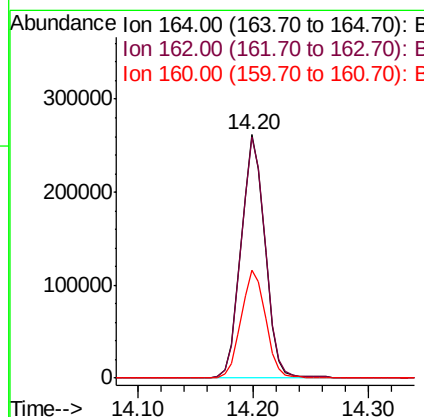
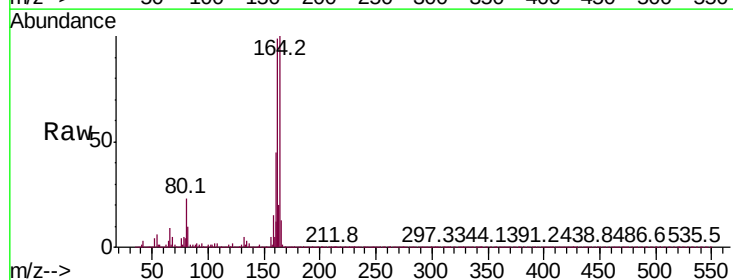
Instrument :
 BNA_P
 ClientSampleId :
 OR-03-072120

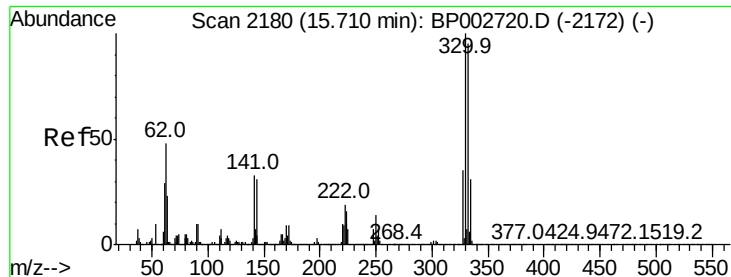
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.8	50.8
54	49.6	38.8	58.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.20 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BP002833.D
 Acq: 22 Jul 2020 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	121.0
160	44.5	36.4	54.6

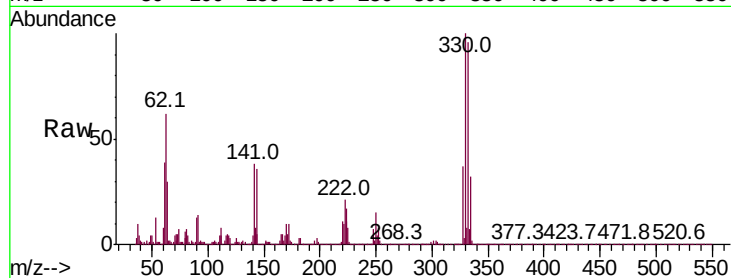




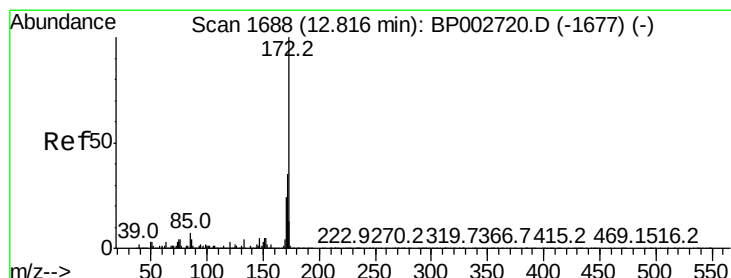
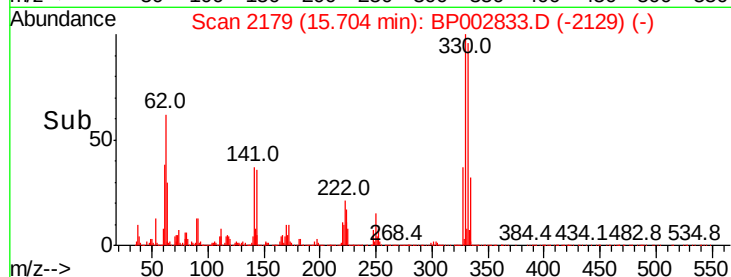
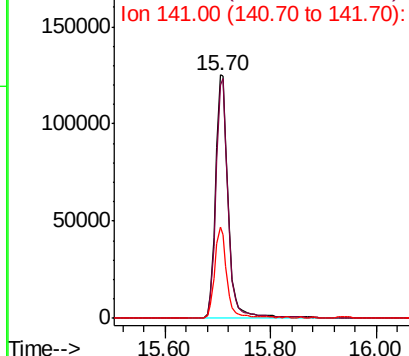
#42
2,4,6-Tribromophenol
Concen: 54.127 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Instrument :
BNA_P
ClientSampleId :
OR-03-072120

Tot Ion:330 Resp: 212451
Ion Ratio Lower Upper
330 100
332 94.6 76.5 114.7
141 35.6 28.8 43.2

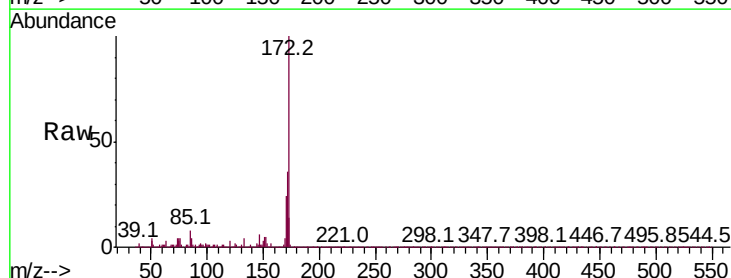


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

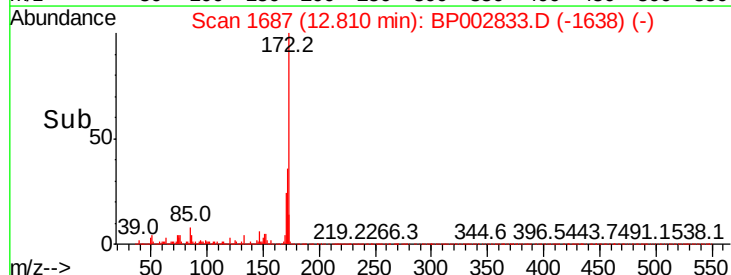
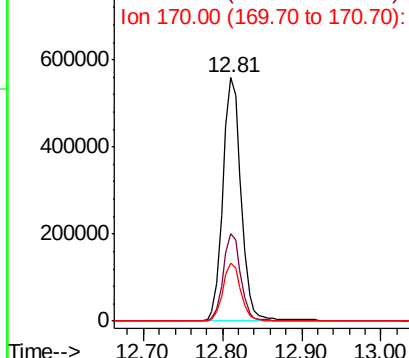


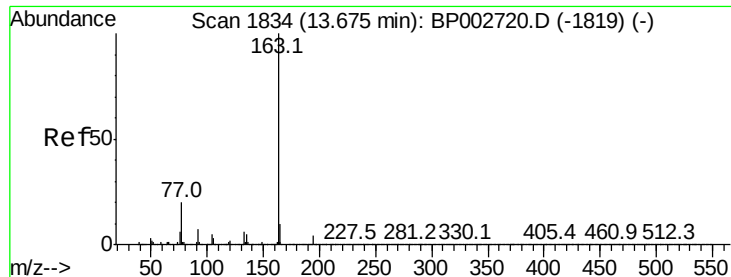
#45
2-Fluorobiphenyl
Concen: 36.776 ng
RT: 12.81 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:172 Resp: 893918
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.0 19.3 28.9



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





#50

Dimethylphthalate

Concen: 5.143 ng

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

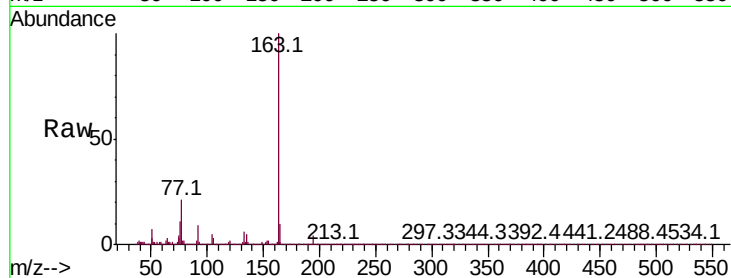
Tot Ion:163 Resp: 147498

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

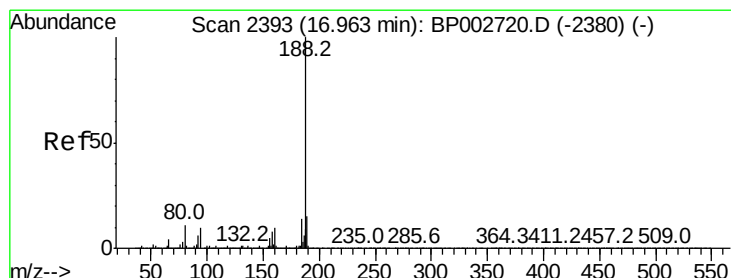
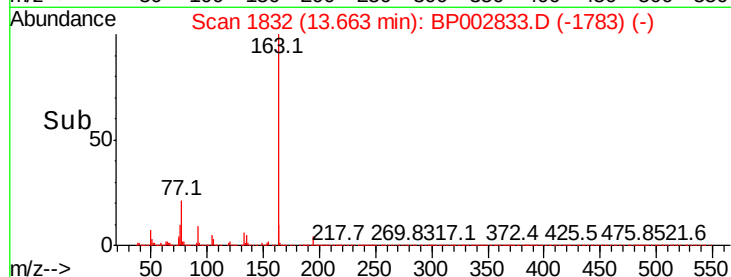
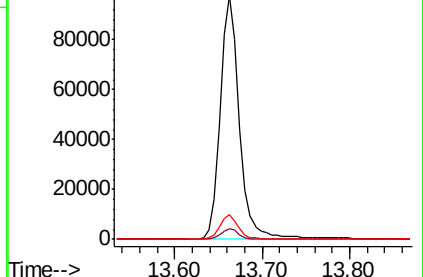
164 10.0 7.8 11.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

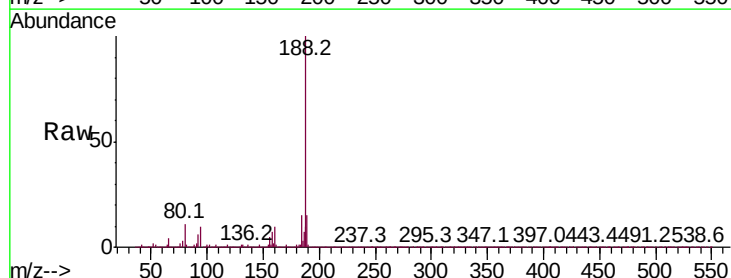
Tgt Ion:188 Resp: 814573

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

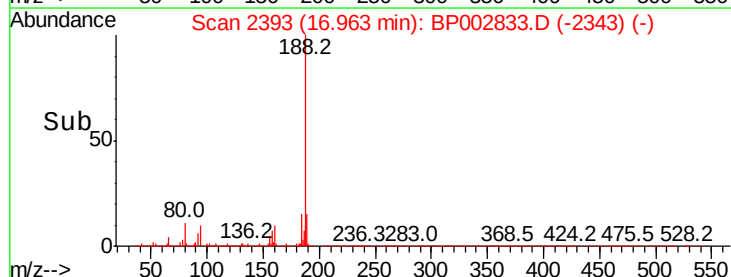
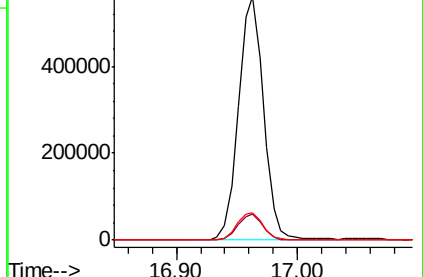
80 11.1 8.9 13.3

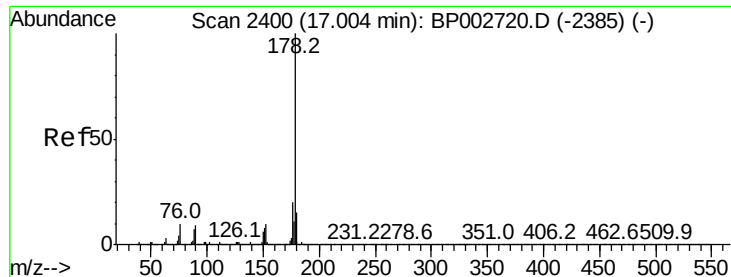


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 7.395 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

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ClientSampleId :

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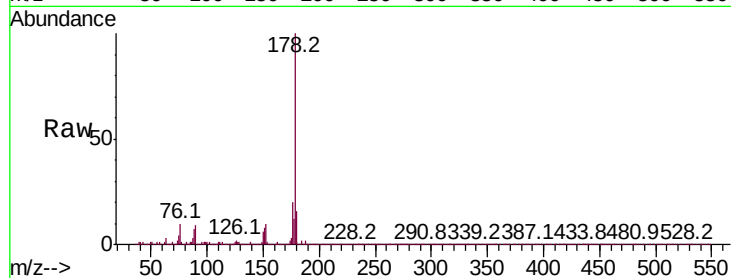
Tot Ion:178 Resp: 326153

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

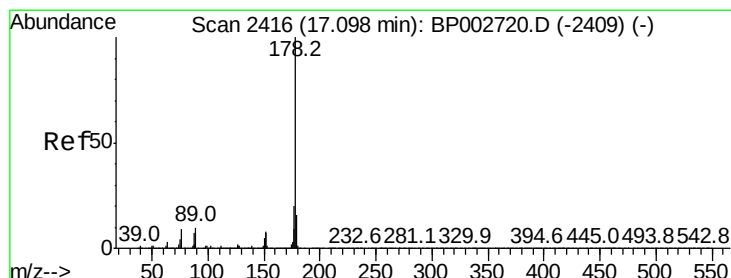
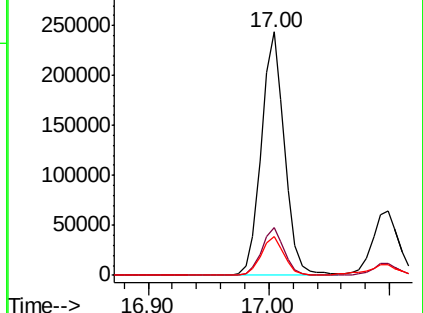
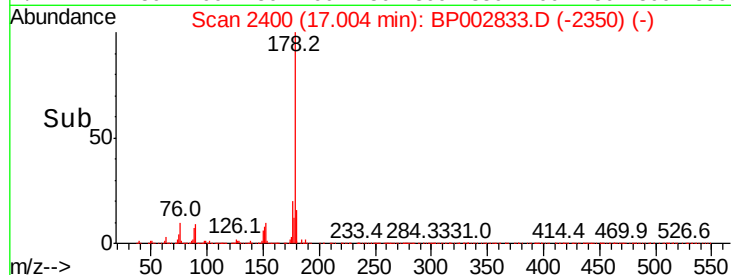
179 15.8 12.3 18.5



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: 2.154 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

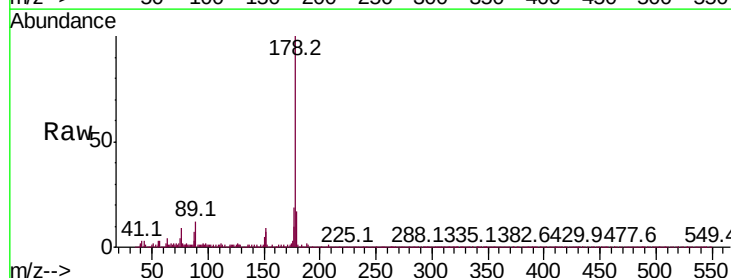
Tgt Ion:178 Resp: 93223

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

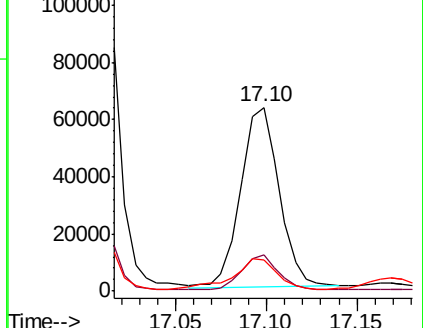
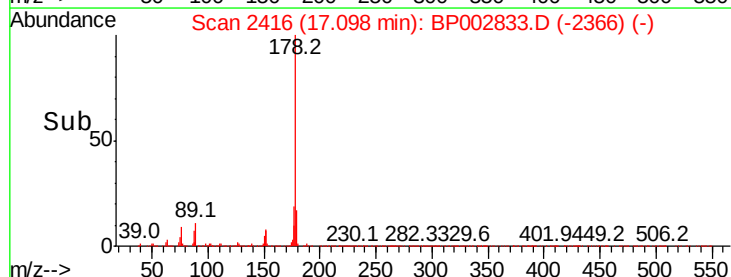
179 16.8 12.6 19.0

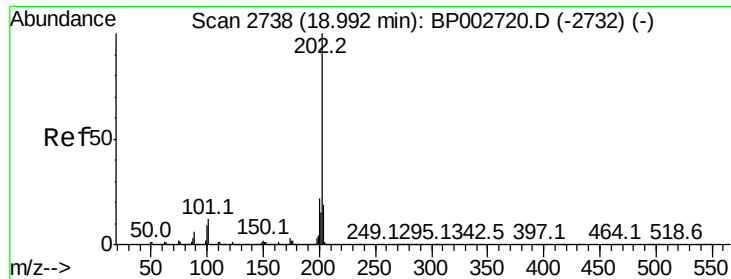


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.567 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

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OR-03-072120

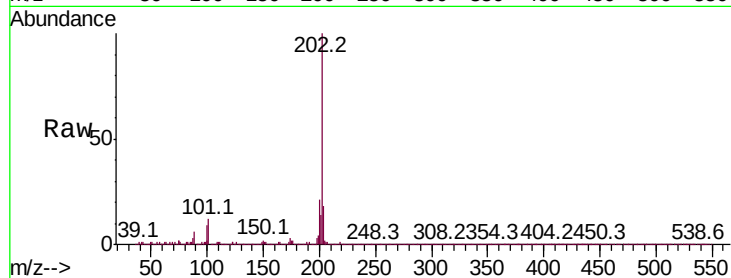
Tot Ion:202 Resp: 488934

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.5

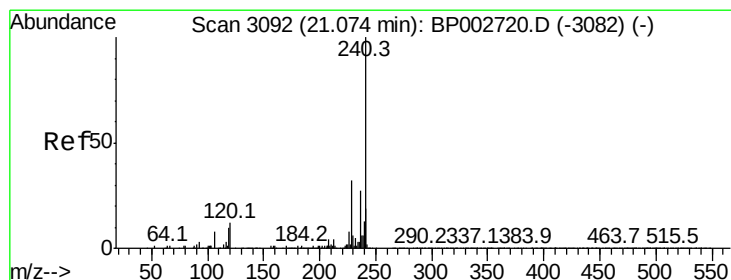
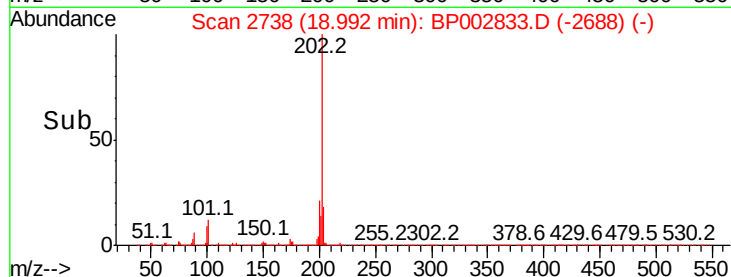
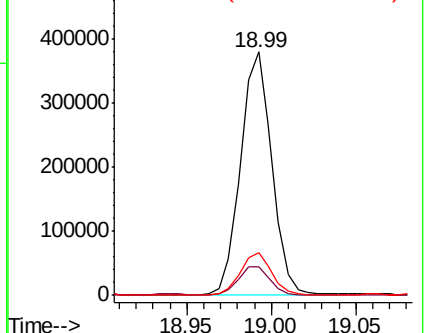
203 17.8 0.0 38.6



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: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

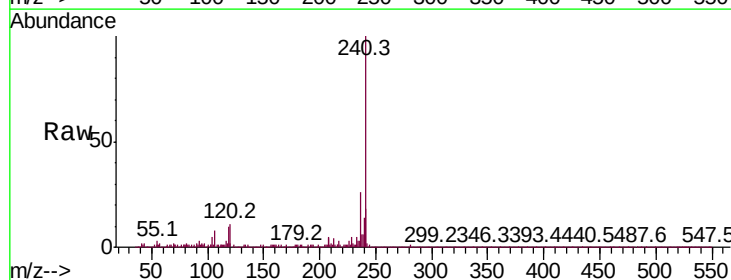
Tgt Ion:240 Resp: 657206

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

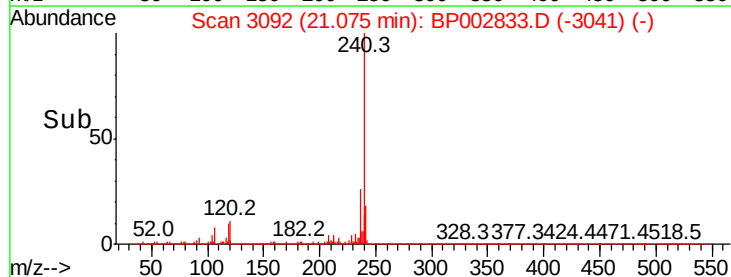
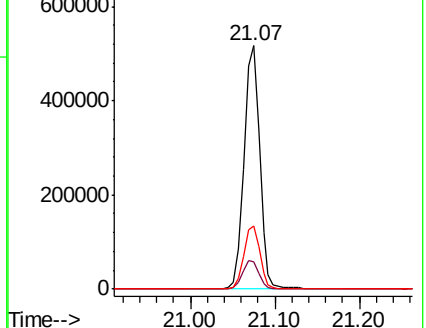
236 26.0 21.3 31.9

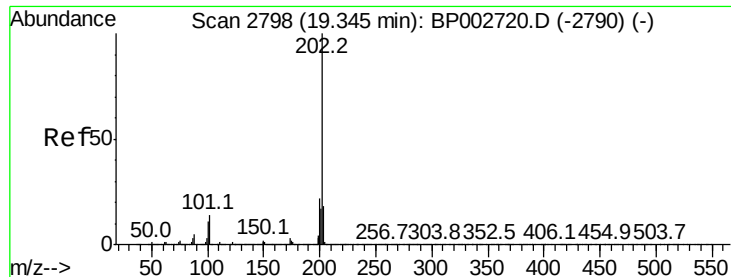


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.731 ng

RT: 19.35 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

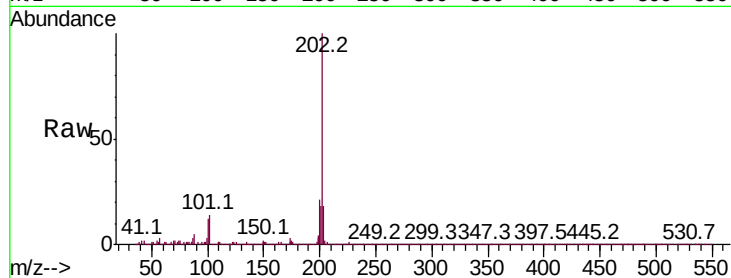
Tot Ion:202 Resp: 441559

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

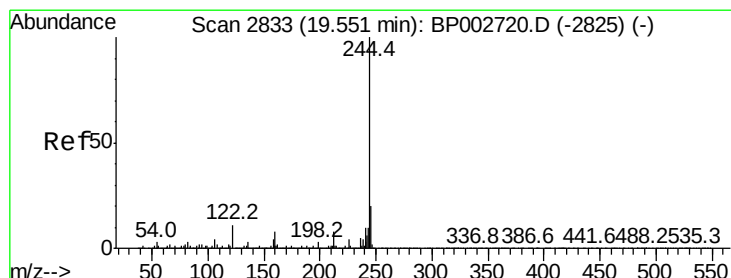
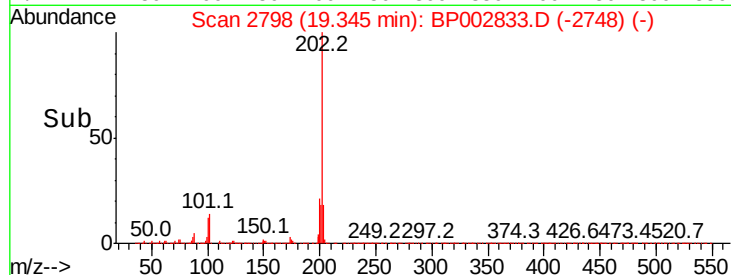
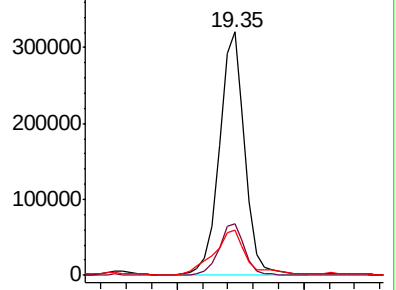
203 18.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 40.159 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

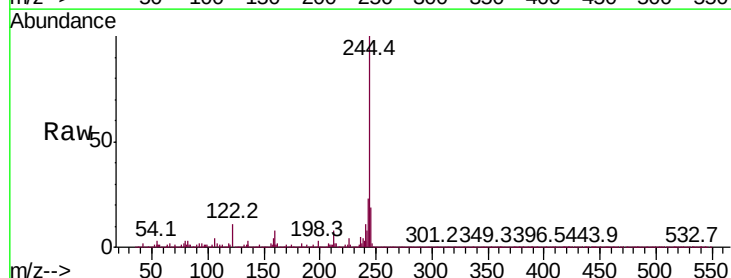
Tgt Ion:244 Resp: 1151159

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

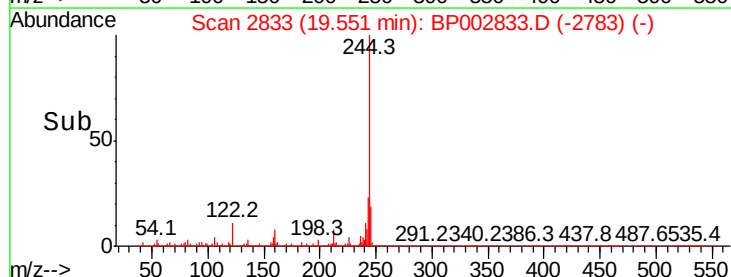
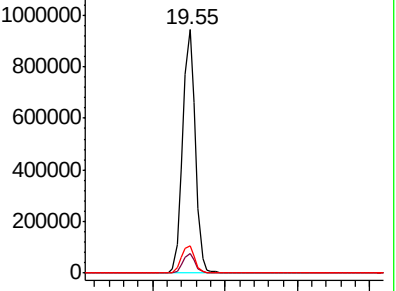
122 11.3 8.9 13.3

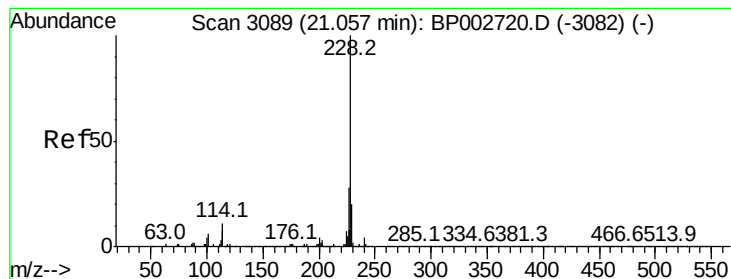


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.436 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

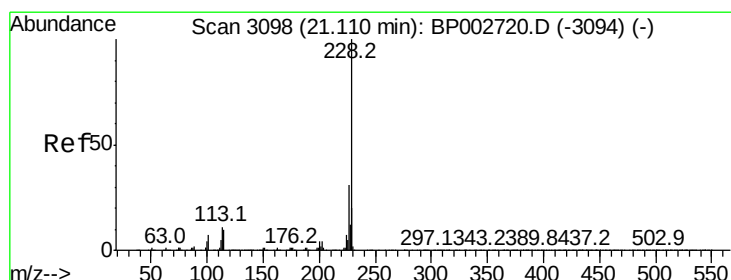
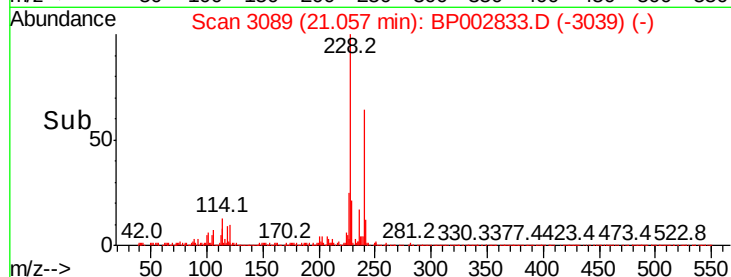
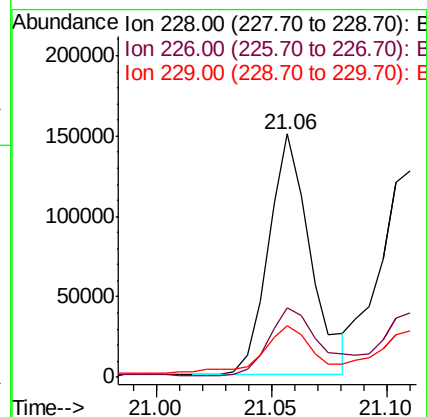
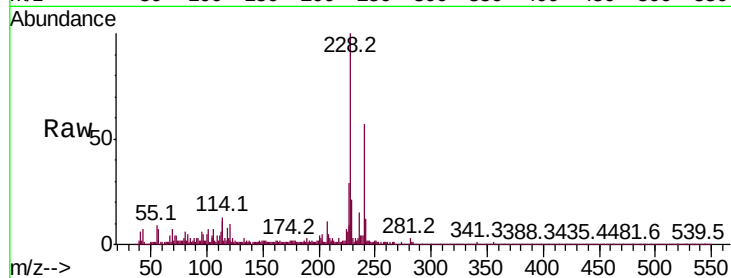
Tot Ion:228 Resp: 188705

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

229 21.1 16.0 24.0



#83

Chrysene

Concen: 4.422 ng

RT: 21.11 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

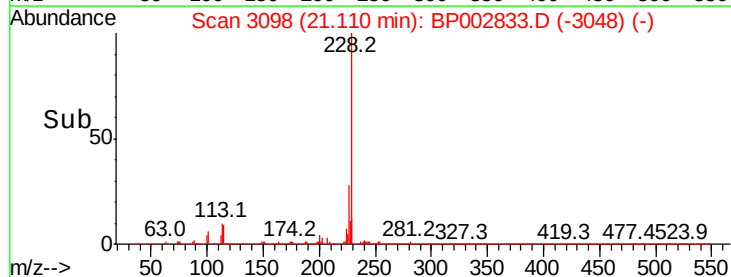
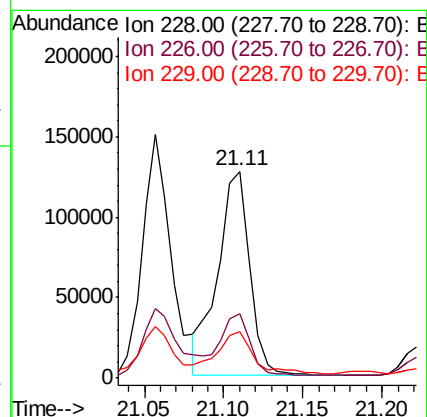
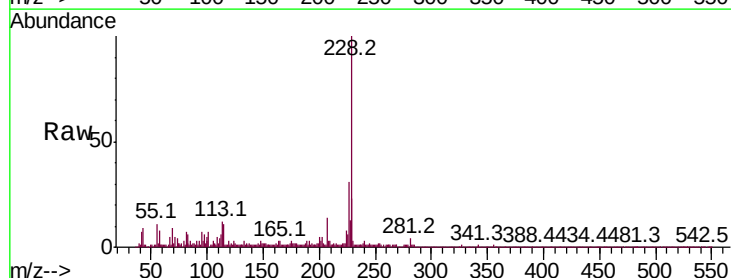
Tgt Ion:228 Resp: 179074

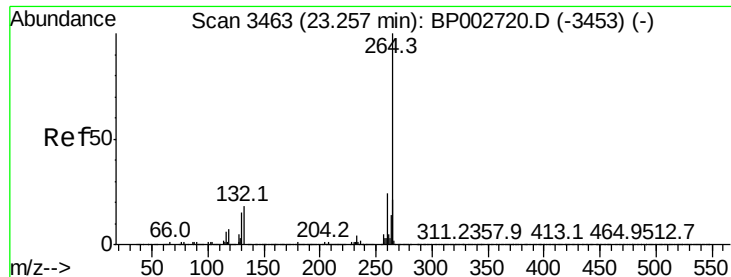
Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 22.8 15.7 23.5





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

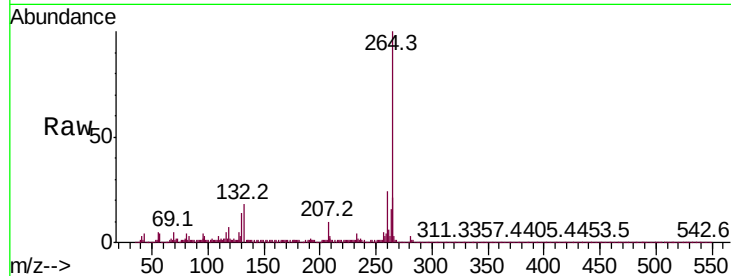
Tot Ion:264 Resp: 578288

Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

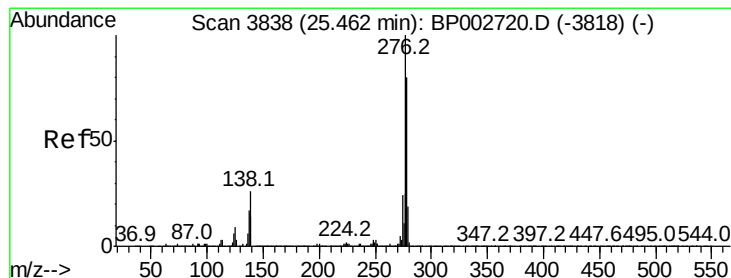
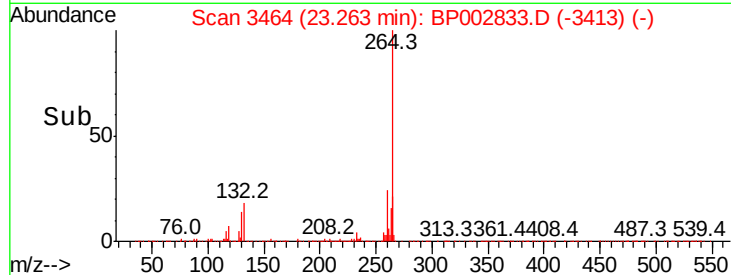
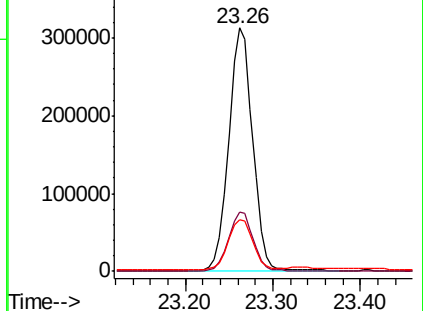
265 21.2 16.8 25.2



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



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.761 ng

RT: 25.47 min Scan# 3840

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

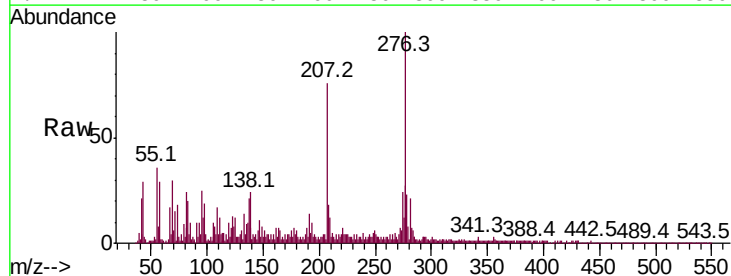
Tgt Ion:276 Resp: 115389

Ion Ratio Lower Upper

276 100

138 22.8 20.8 31.2

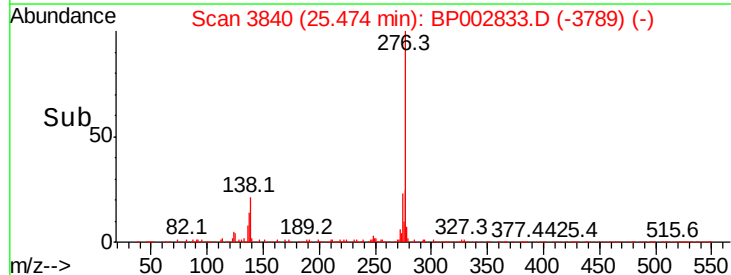
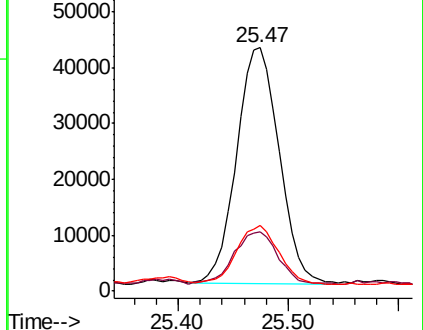
277 24.3 20.0 30.0

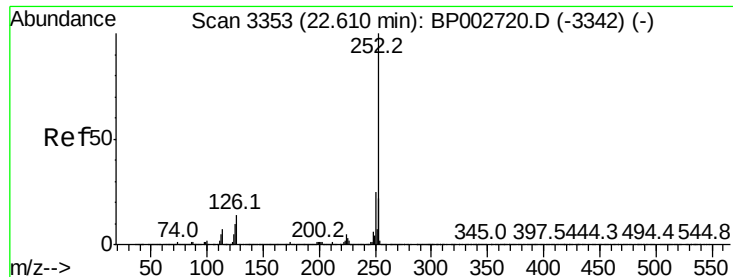


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 6.506 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

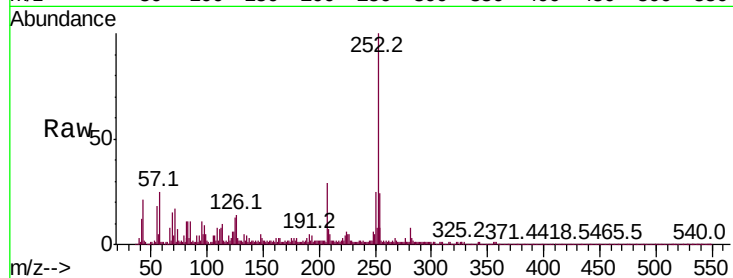
Tot Ion:252 Resp: 233634

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

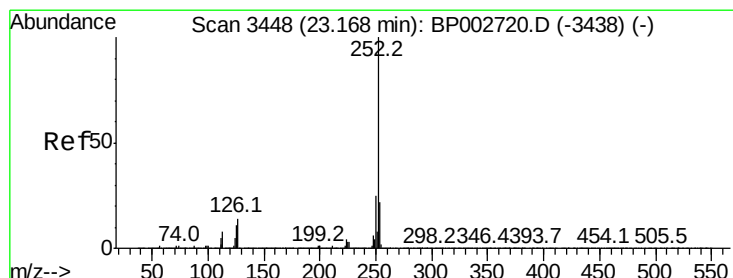
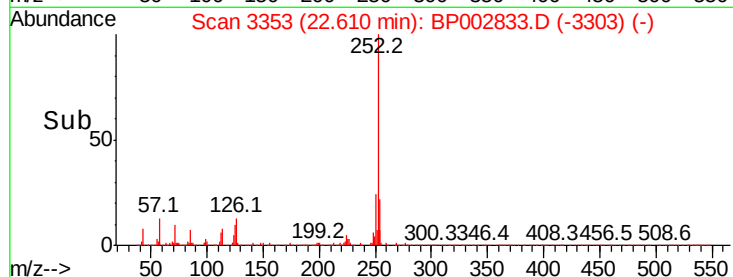
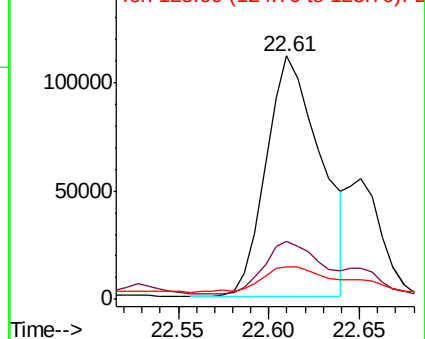
125 13.5 8.2 12.2#



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: 4.847 ng

RT: 23.17 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

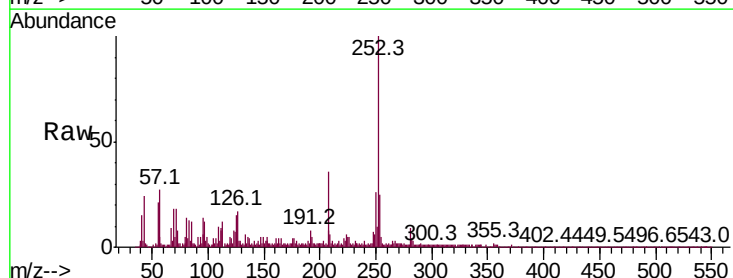
Tgt Ion:252 Resp: 164942

Ion Ratio Lower Upper

252 100

253 24.9 17.6 26.4

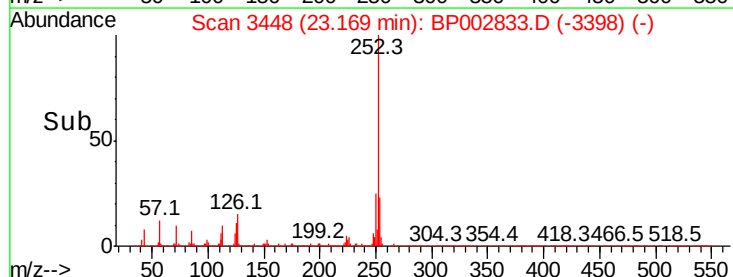
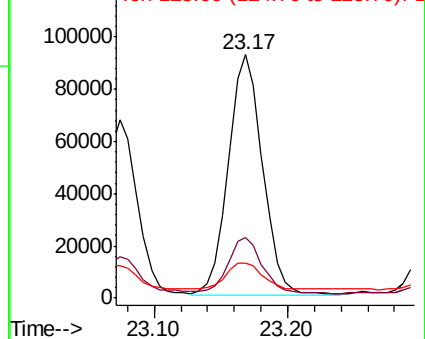
125 14.5 8.6 13.0#

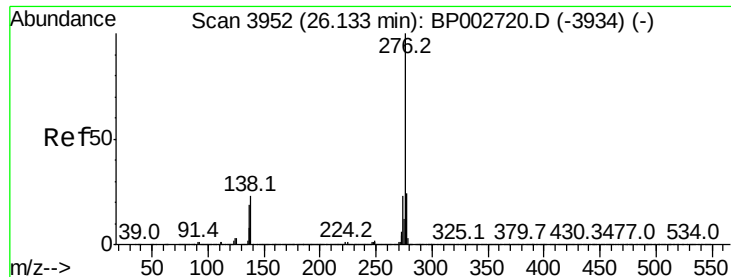


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.563 ng

RT: 26.14 min Scan# 3954

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

OR-03-072120

Tot Ion:276 Resp: 121757

Ion Ratio Lower Upper

276 100

277 26.2 19.1 28.7

138 25.9 18.3 27.5

