

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002471.D
 Acq On : 19 Jun 2020 22:16
 Operator : CG/JU
 Sample : L3037-06RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SL-WC-03C

Quant Time: Jun 20 02:26:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	263191	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	968213	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	485771	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	889021	20.00	ng	0.00
76) Chrysene-d12	21.10	240	802837	20.00	ng	-0.01
86) Perylene-d12	23.30	264	770562	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1904538	133.90	ng	0.00
7) Phenol-d6	6.78	99	2459029	129.85	ng	0.00
23) Nitrobenzene-d5	8.73	82	1711609	105.57	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	617960	132.87	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2957662	102.37	ng	0.00
79) Terphenyl-d14	19.58	244	3076936	105.06	ng	0.00

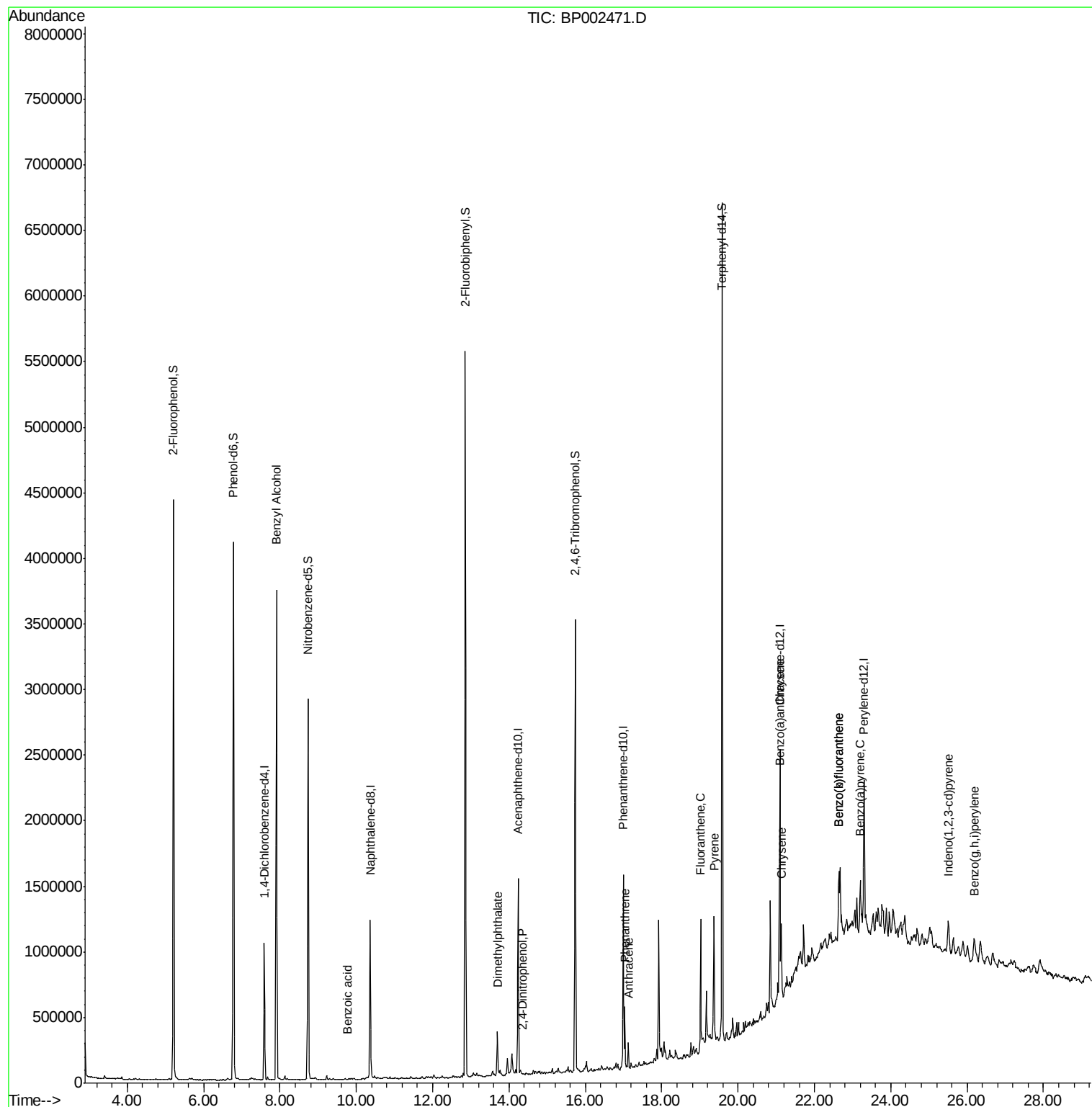
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	794	Below Cal		96
15) Benzyl Alcohol	7.90	79	30793	2.098 ng	#	48
32) Benzoic acid	9.76	122	72	4.605 ng	#	28
50) Dimethylphthalate	13.70	163	209313	6.289 ng		100
54) 2,4-Dinitrophenol	14.37	184	95	2.807 ng	#	1
61) 4-Chlorophenyl-phenylether	15.28	204	78	Below Cal	#	1
71) Phenanthrene	17.03	178	273127	6.568 ng		99
72) Anthracene	17.12	178	103883	2.515 ng		99
75) Fluoranthene	19.02	202	548963	11.059 ng		99
78) Pyrene	19.37	202	543213	11.046 ng		98
81) Benzo(a)anthracene	21.08	228	298920	6.523 ng		94
83) Chrysene	21.13	228	299651	6.902 ng		98
87) Indeno(1,2,3-cd)pyrene	25.52	276	167214	3.469 ng		96
88) Benzo(b)fluoranthene	22.64	252	355855	8.564 ng	#	88
89) Benzo(k)fluoranthene	22.64	252	355855	9.013 ng	#	87
90) Benzo(a)pyrene	23.20	252	259131	6.654 ng	#	94
92) Benzo(a,h,i)perylene	26.19	276	199469	4.982 ng		97

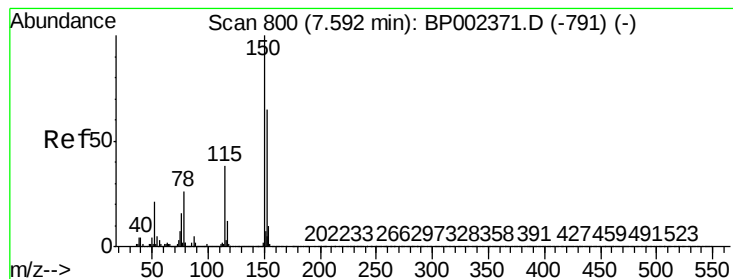
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

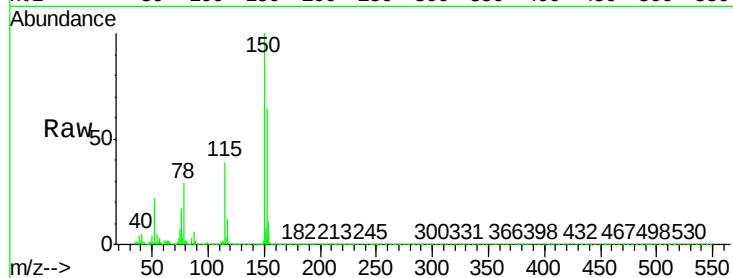
Tot Ion:152 Resp: 263191

Ion Ratio Lower Upper

152 100

150 156.4 124.0 186.0

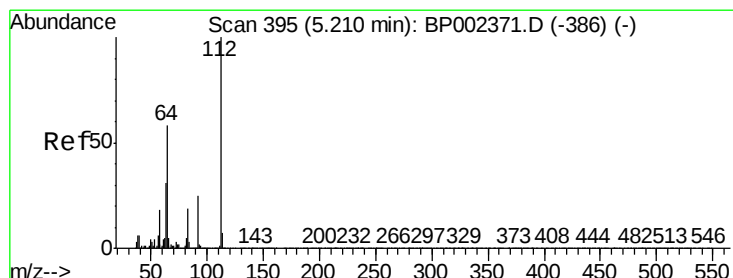
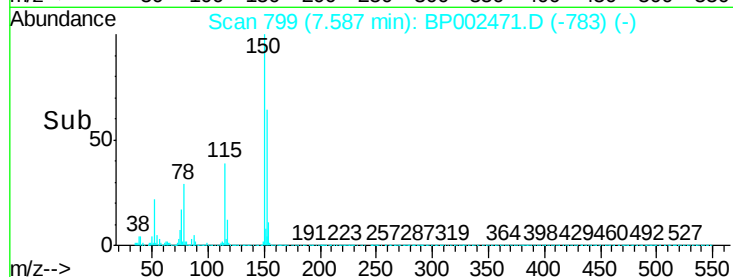
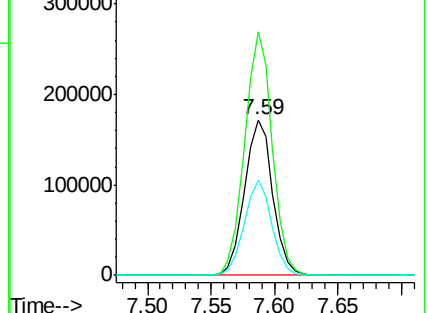
115 61.2 47.4 71.0



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: 133.902 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

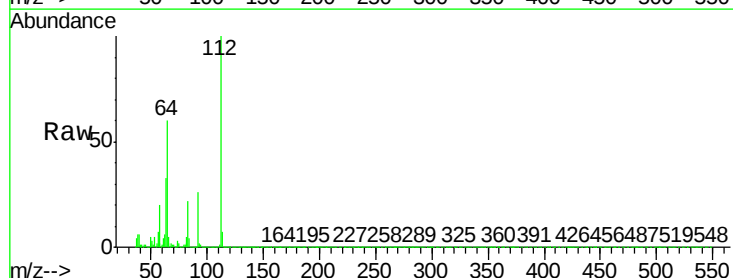
Tgt Ion:112 Resp: 1904538

Ion Ratio Lower Upper

112 100

64 59.8 46.2 69.2

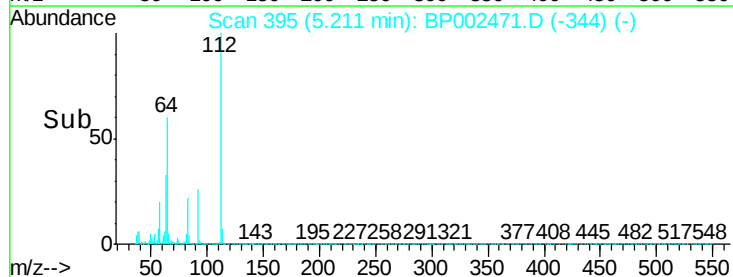
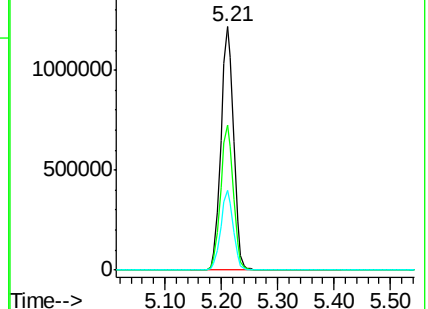
63 32.7 24.5 36.7



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: 129.854 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

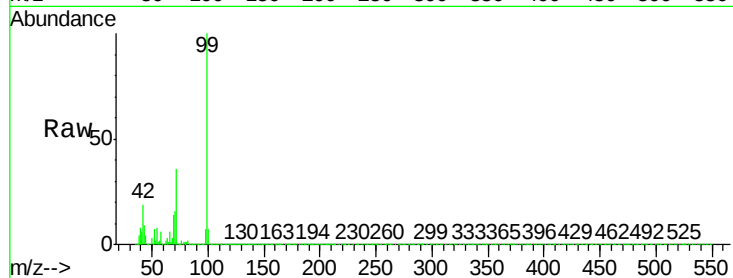
Tot Ion: 99 Resp: 2459029

Ion Ratio Lower Upper

99 100

42 19.4 14.6 22.0

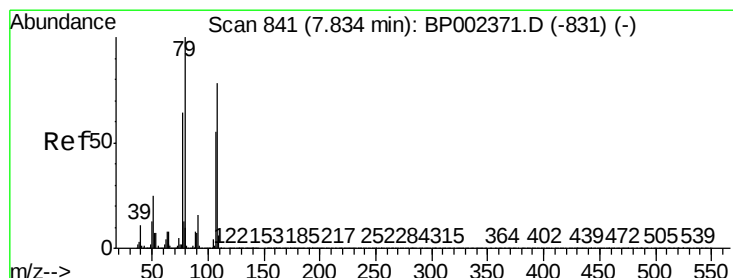
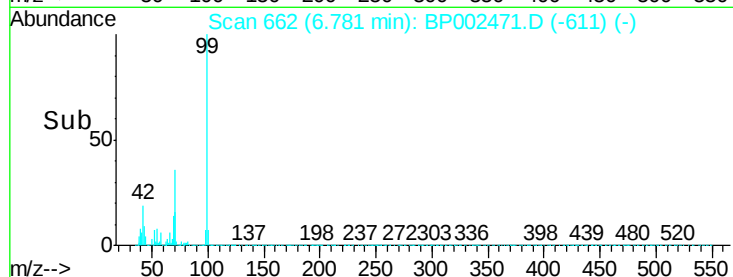
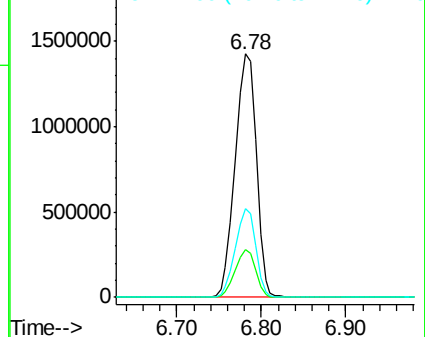
71 36.5 27.2 40.8



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



#15

Benzyl Alcohol

Concen: 2.098 ng

RT: 7.90 min Scan# 853

Delta R.T. 0.07 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

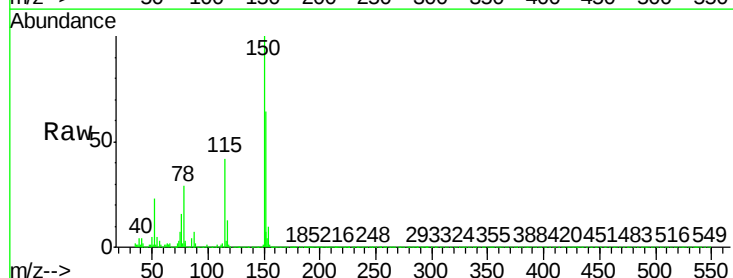
Tgt Ion: 79 Resp: 30793

Ion Ratio Lower Upper

79 100

108 36.8 62.6 94.0#

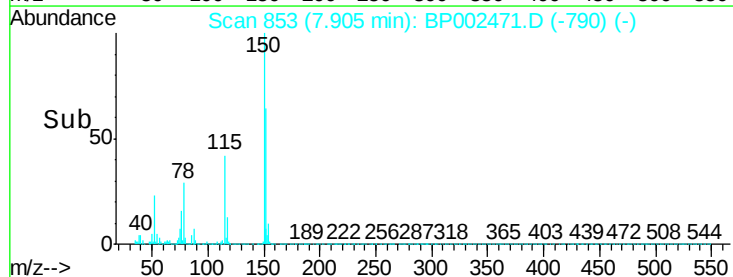
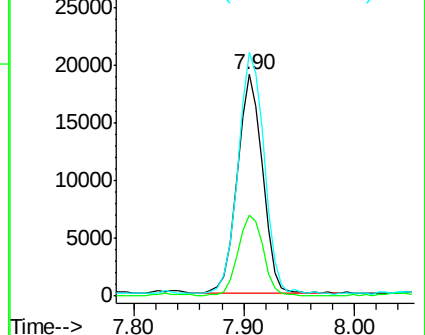
77 109.9 51.5 77.3#

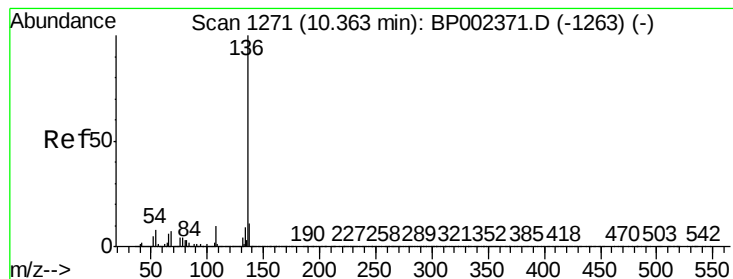


Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): B

Ion 77.00 (76.70 to 77.70): BP0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

Tot Ion:136 Resp: 968213

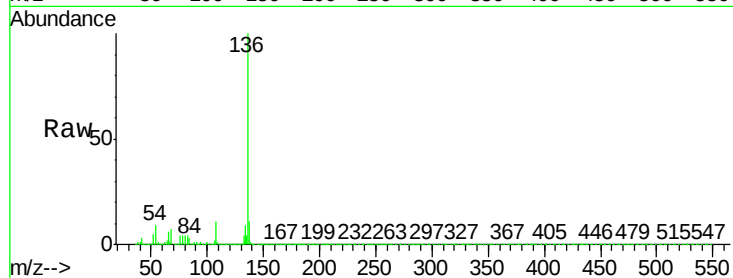
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.7	6.4	9.6
68	6.9	5.6	8.4

136 100

137 11.0 8.8 13.2

54 8.7 6.4 9.6

68 6.9 5.6 8.4

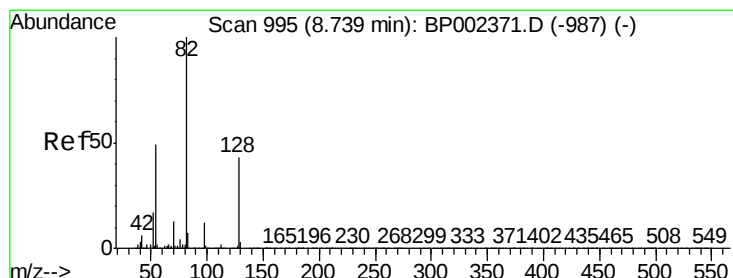
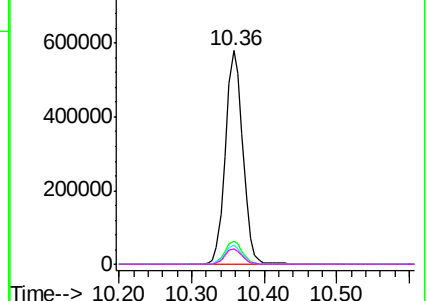
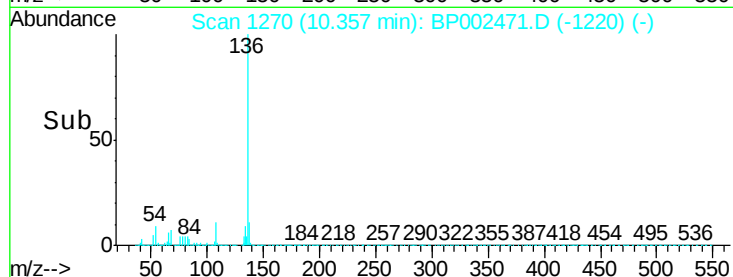


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.571 ng

RT: 8.73 min Scan# 994

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

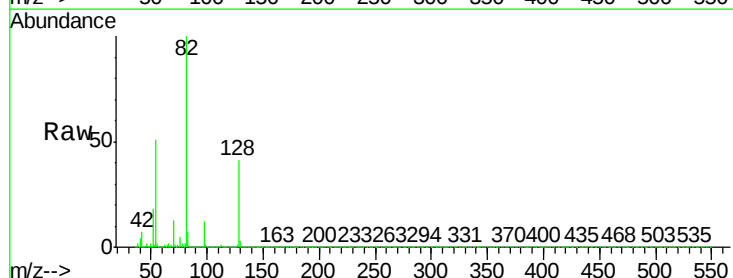
Tgt Ion: 82 Resp: 1711609

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.5	51.7
54	50.6	39.4	59.2

82 100

128 41.3 34.5 51.7

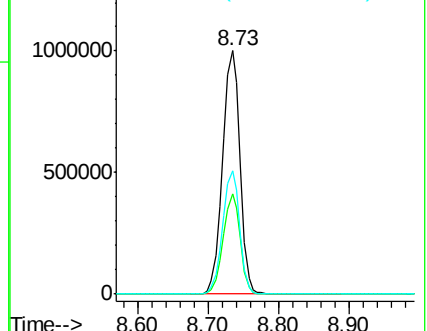
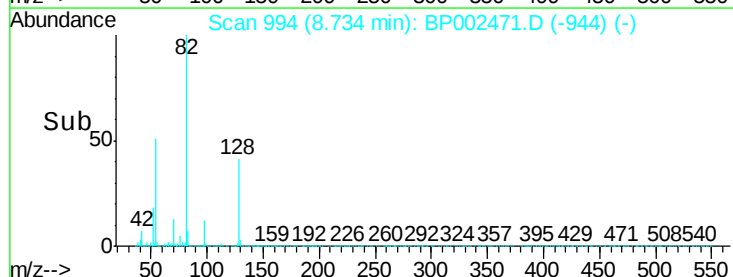
54 50.6 39.4 59.2

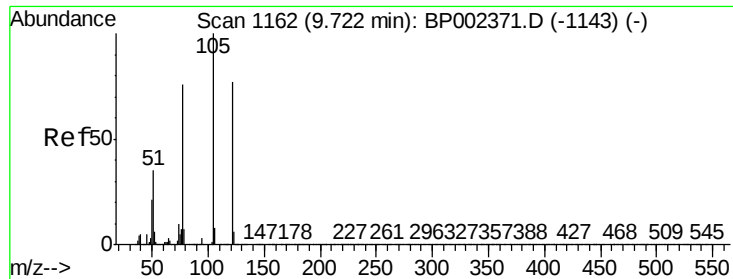


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

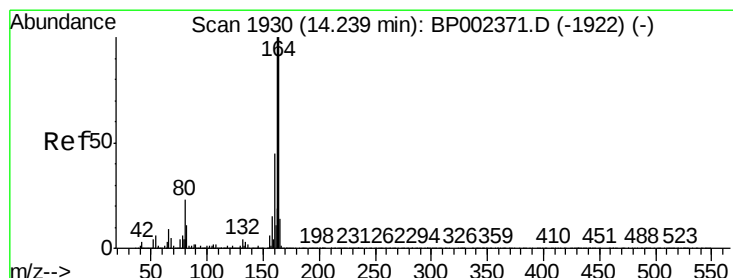
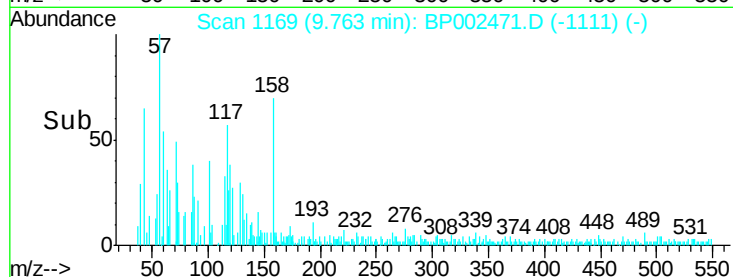
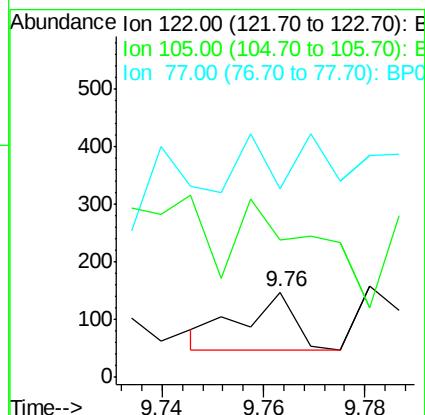
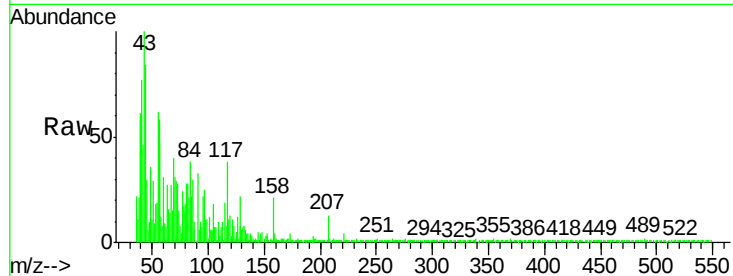




#32
Benzoic acid
Concen: 4.605 ng
RT: 9.76 min Scan# 1169
Delta R.T. 0.04 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

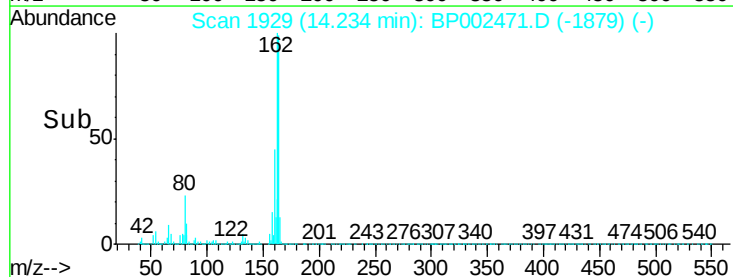
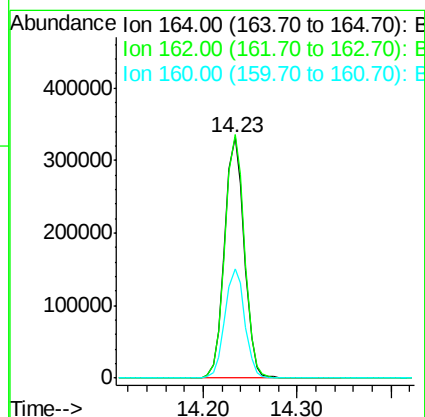
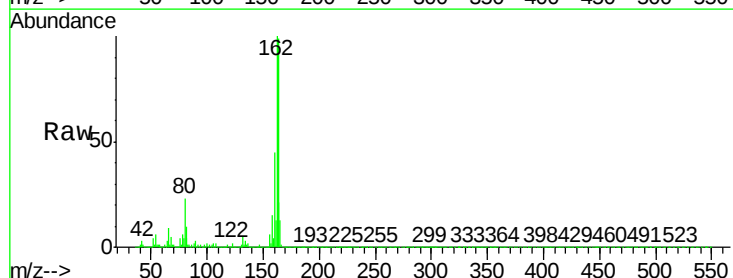
Instrument :
BNA_P
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SL-WC-03C

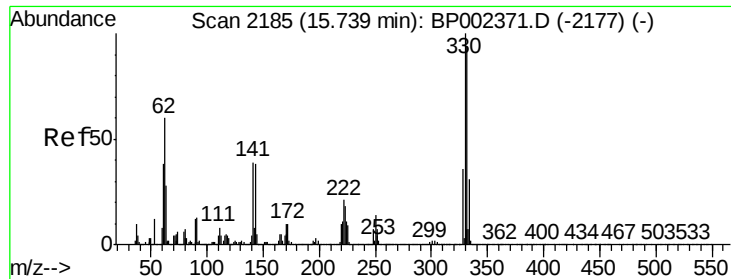
Tot Ion:122 Resp: 72
Ion Ratio Lower Upper
122 100
105 161.5 106.3 146.3#
77 221.6 77.5 117.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

Tgt Ion:164 Resp: 485771
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 45.5 36.2 54.2

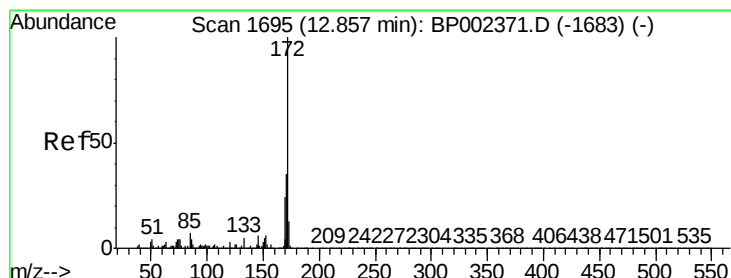
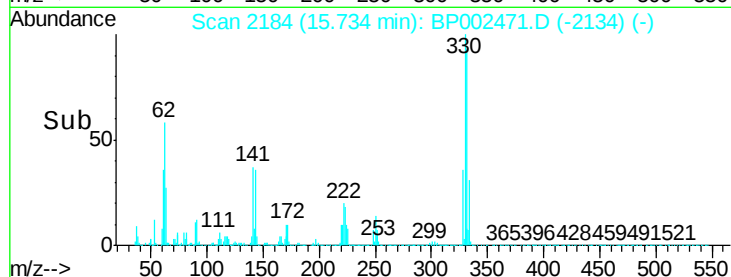
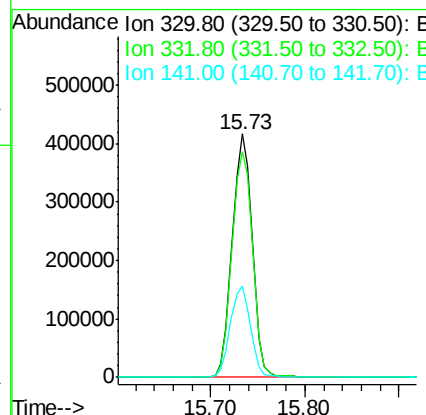
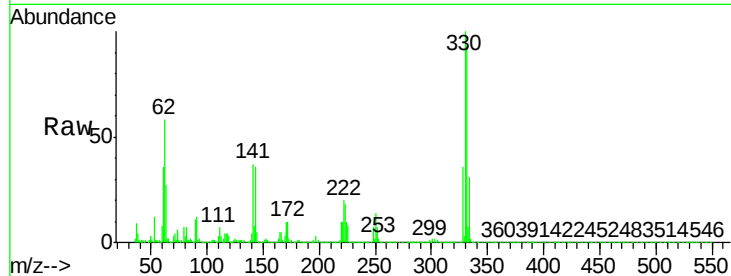




#42
2,4,6-Tribromophenol
Concen: 132.869 ng
RT: 15.73 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

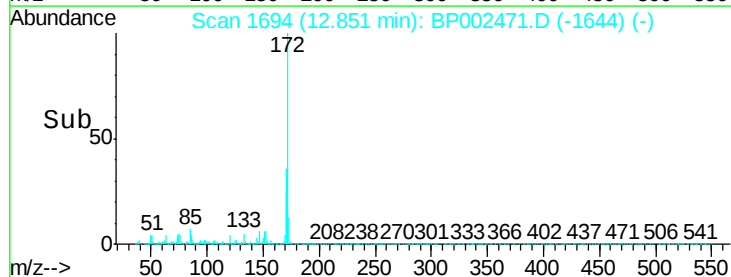
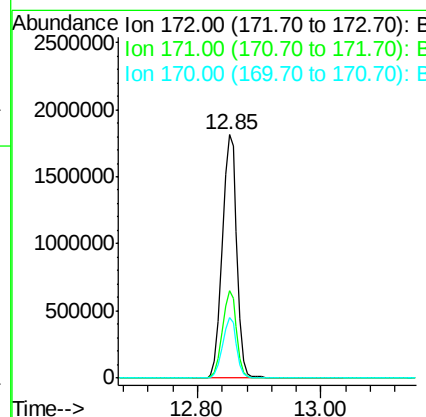
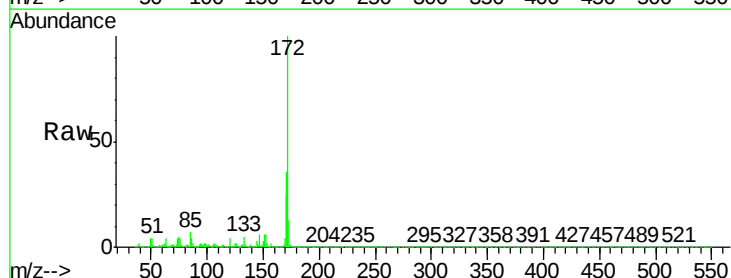
Instrument :
BNA_P
ClientSampled :
SL-WC-03C

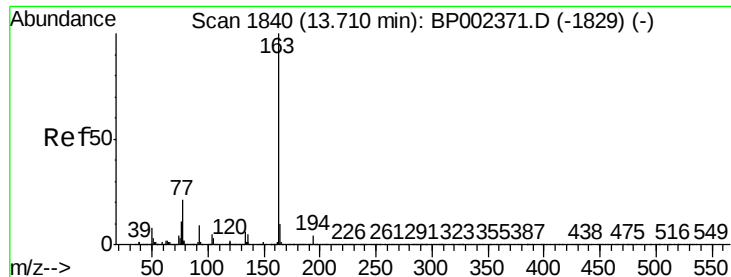
Tot Ion:330 Resp: 617960
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 38.0 30.3 45.5



#45
2-Fluorobiphenyl
Concen: 102.375 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

Tgt Ion:172 Resp: 2957662
Ion Ratio Lower Upper
172 100
171 36.0 27.8 41.8
170 24.7 19.0 28.6





#50

Dimethylphthalate

Concen: 6.289 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

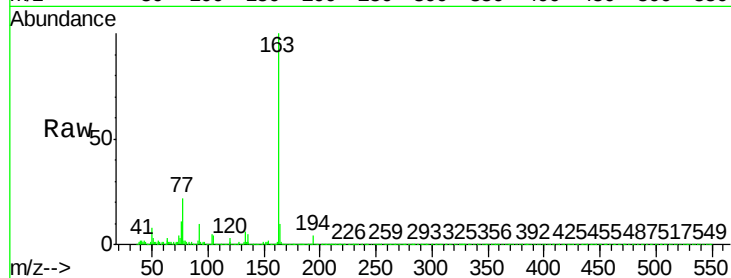
Tot Ion:163 Resp: 209313

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

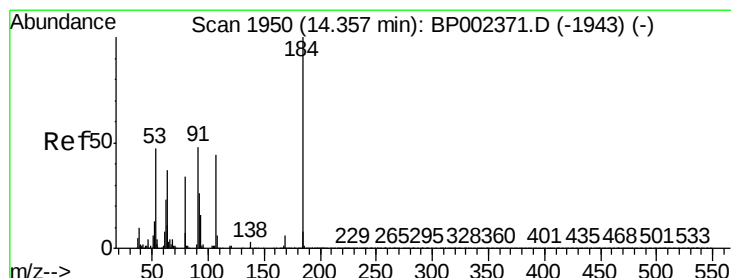
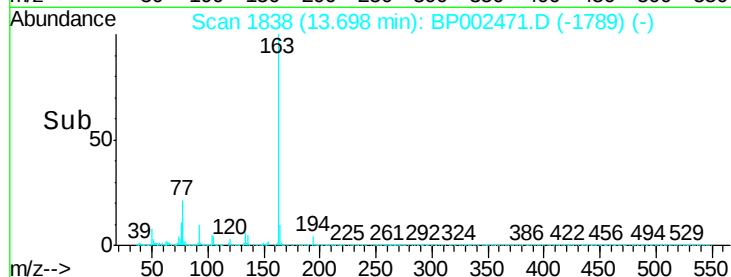
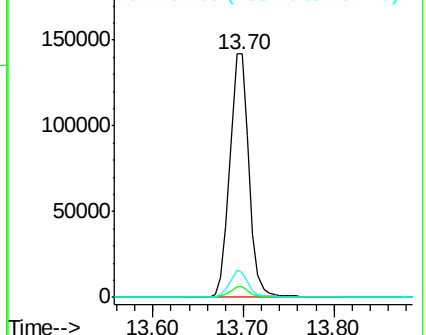
164 10.0 8.1 12.1



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



#54

2,4-Dinitrophenol

Concen: 2.807 ng

RT: 14.37 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

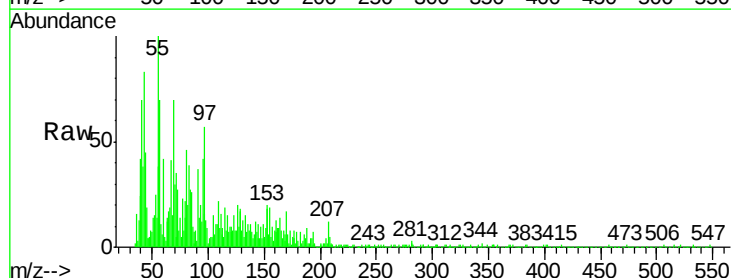
Tgt Ion:184 Resp: 95

Ion Ratio Lower Upper

184 100

63 373.9 52.3 78.5#

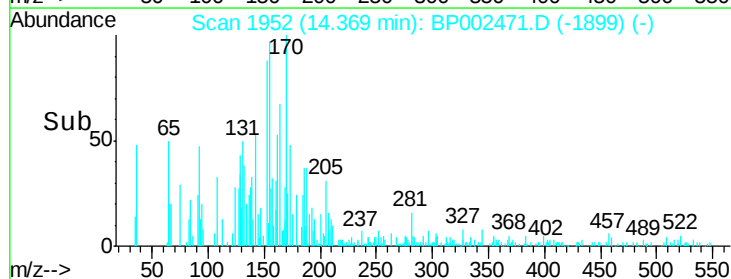
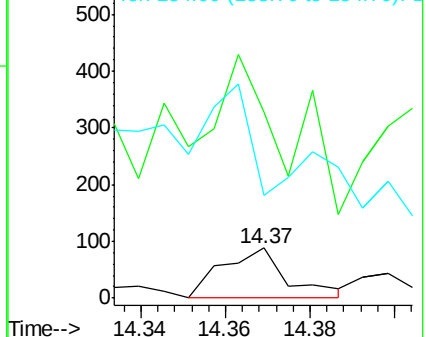
154 205.7 48.6 72.8#

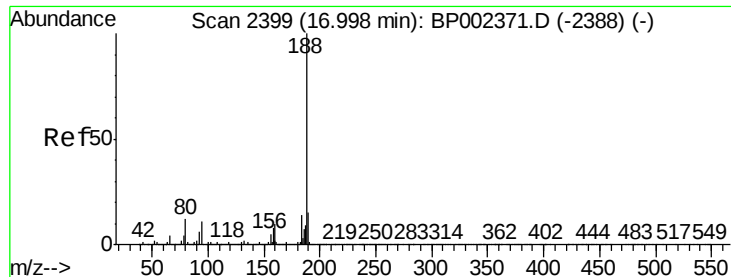


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

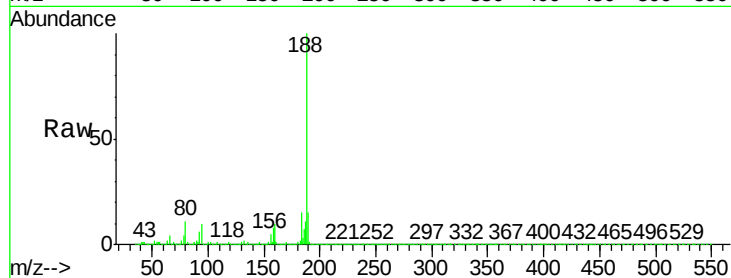
Tot Ion:188 Resp: 889021

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

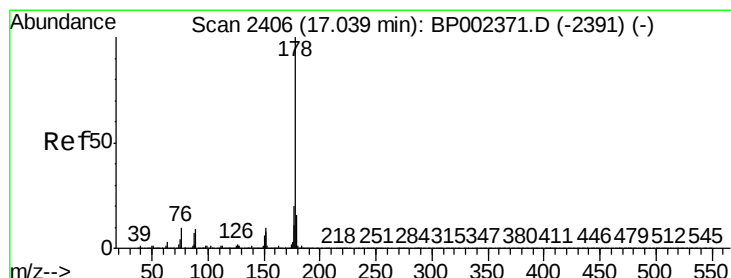
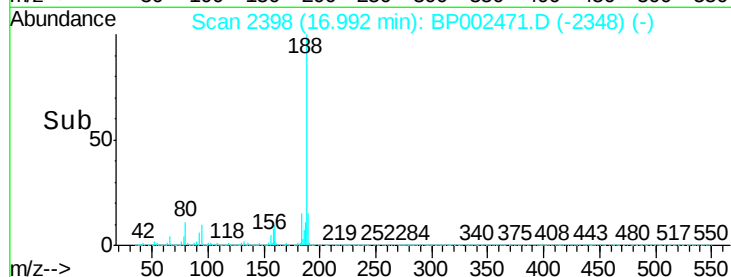
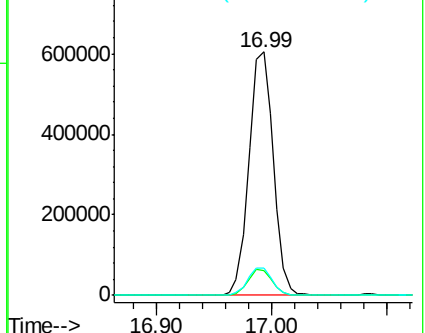
80 11.4 9.4 14.0



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: 6.568 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

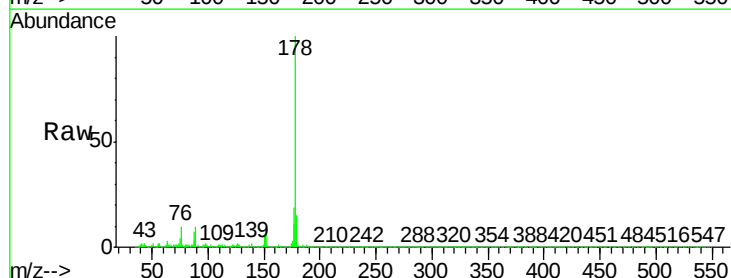
Tgt Ion:178 Resp: 273127

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

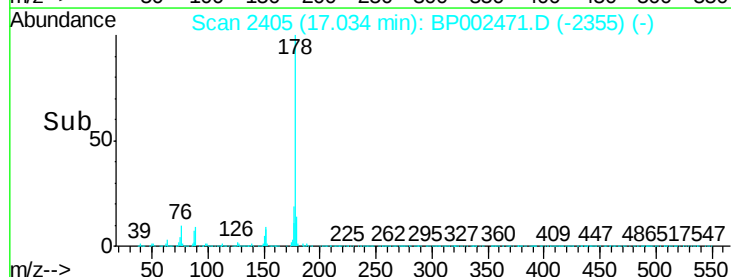
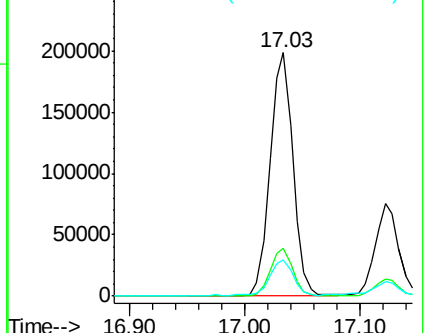
179 14.7 12.5 18.7

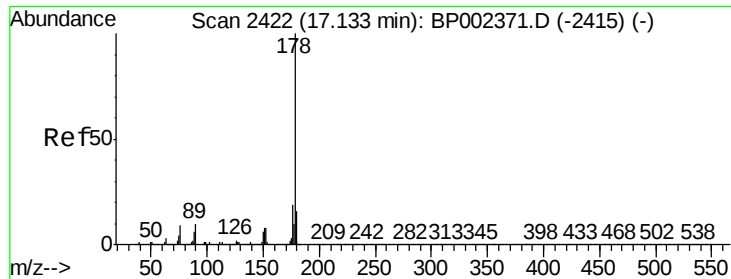


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.515 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

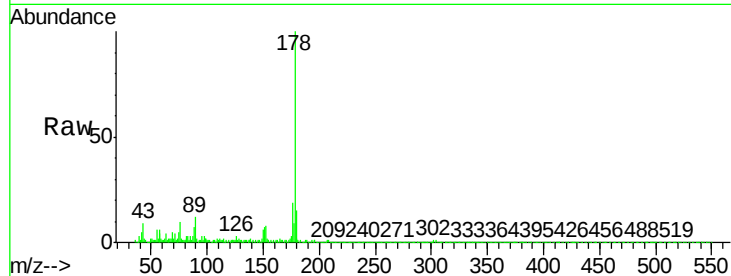
Tot Ion:178 Resp: 103883

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

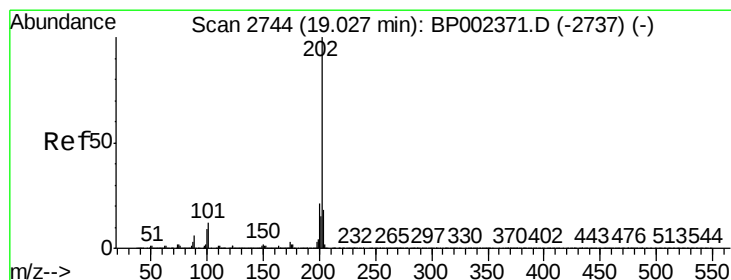
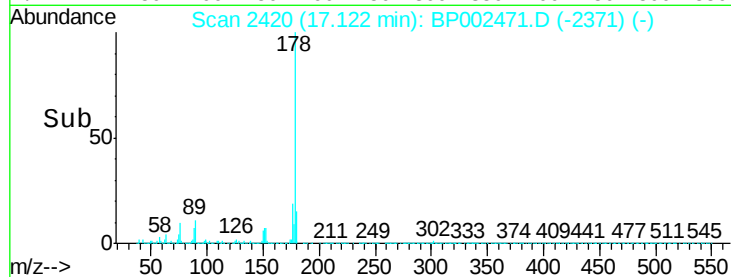
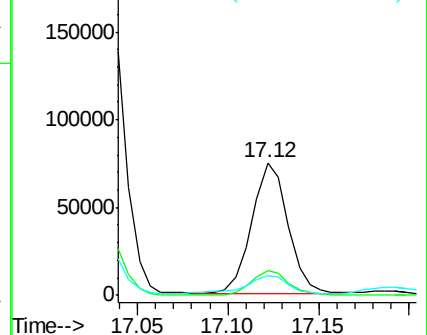
179 15.2 13.0 19.4



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: 11.059 ng

RT: 19.02 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

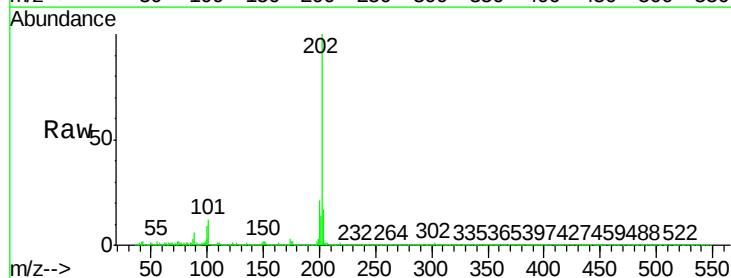
Tgt Ion:202 Resp: 548963

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.8

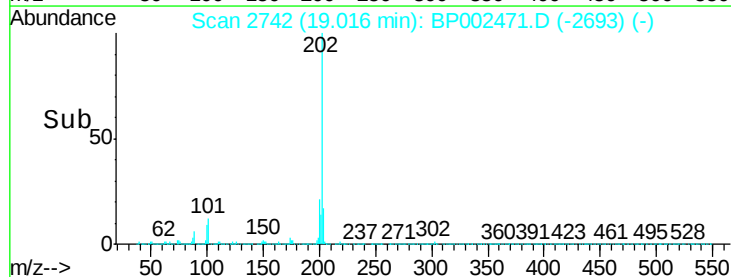
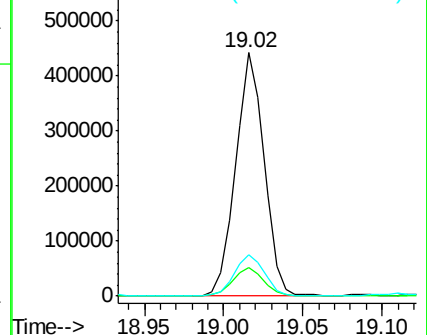
203 17.1 0.0 38.0

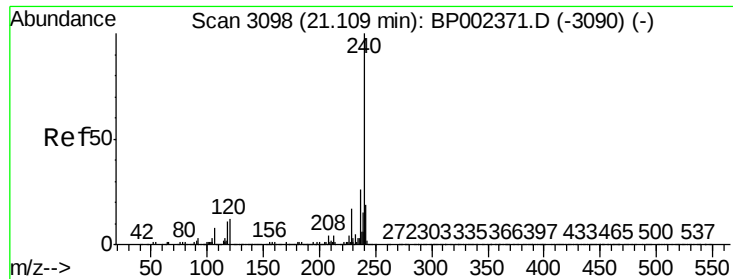


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

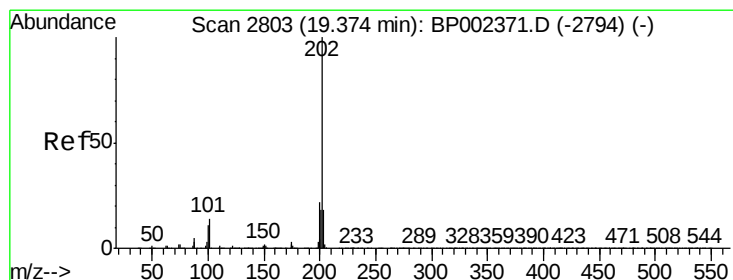
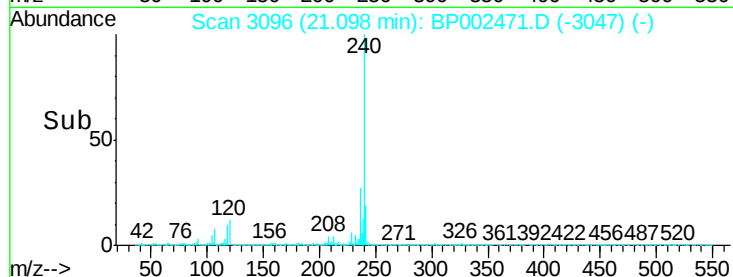
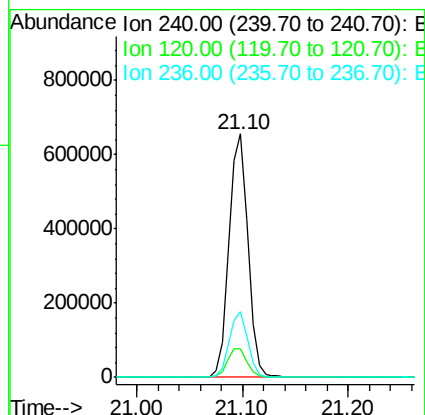
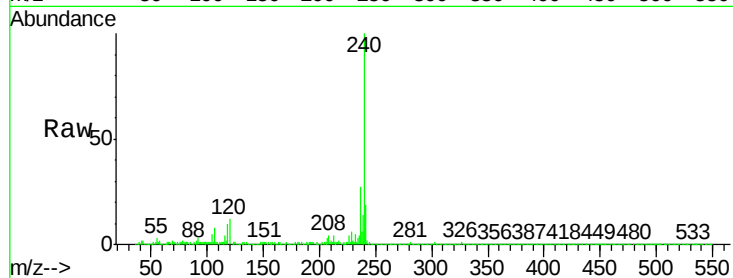




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.10 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

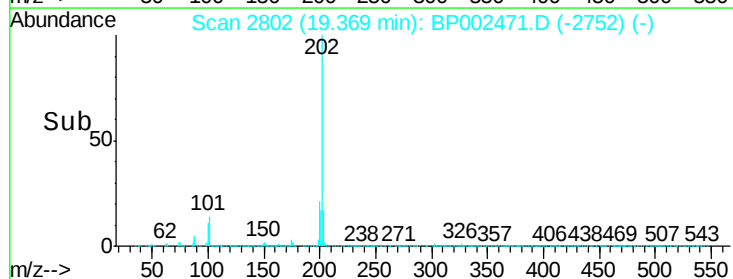
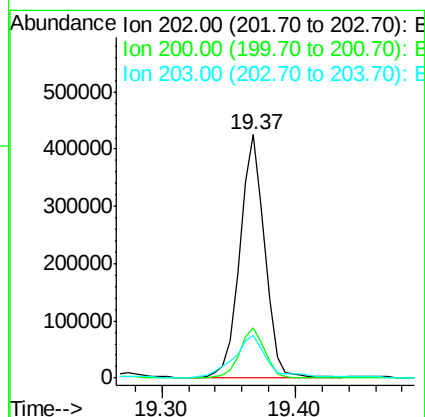
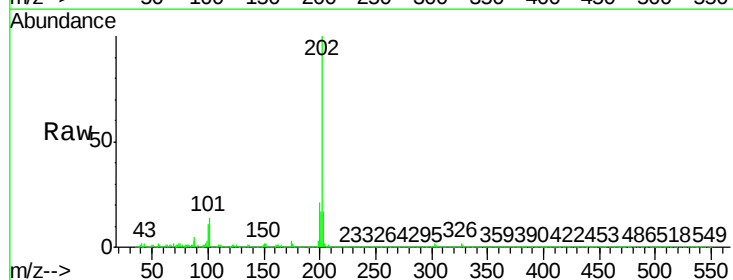
Instrument :
BNA_P
ClientSampleId :
SL-WC-03C

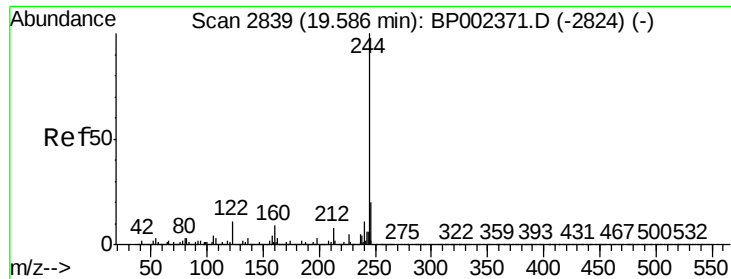
Tot Ion:240 Resp: 802837
Ion Ratio Lower Upper
240 100
120 12.0 9.3 13.9
236 26.8 21.0 31.6



#78
Pyrene
Concen: 11.046 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

Tgt Ion:202 Resp: 543213
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.4 14.6 22.0





#79

Terphenyl-d14

Concen: 105.063 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

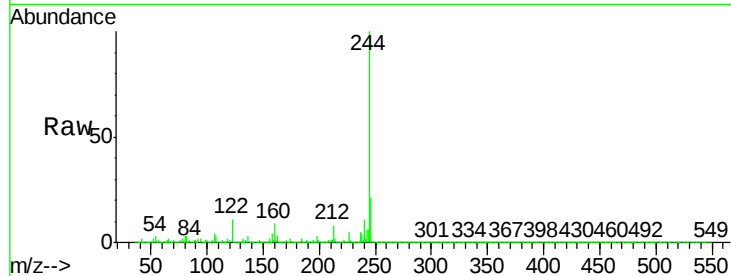
Tot Ion:244 Resp: 3076936

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

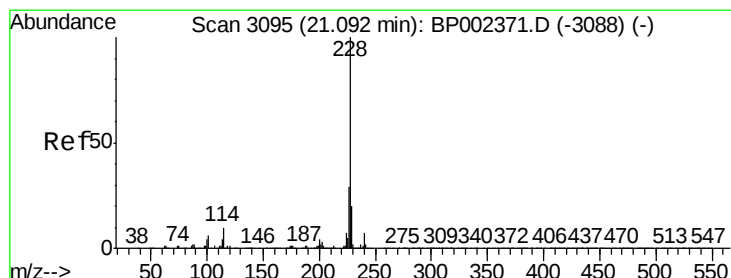
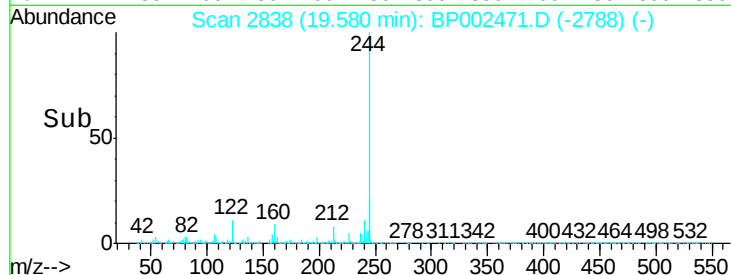
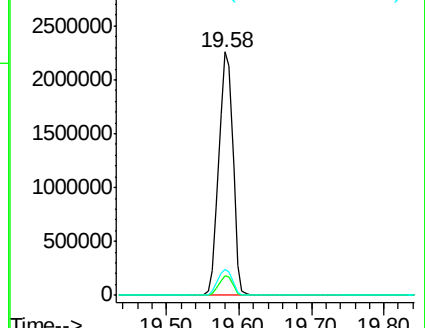
122 10.9 8.8 13.2



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: 6.523 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

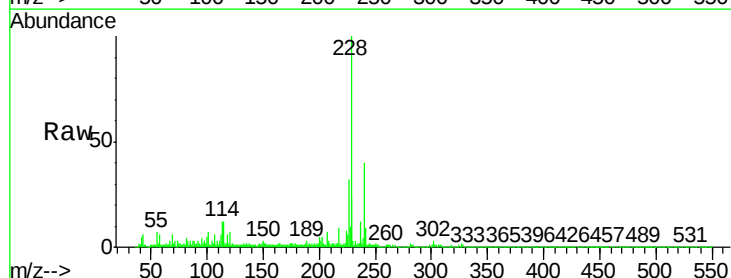
Tgt Ion:228 Resp: 298920

Ion Ratio Lower Upper

228 100

226 31.5 22.8 34.2

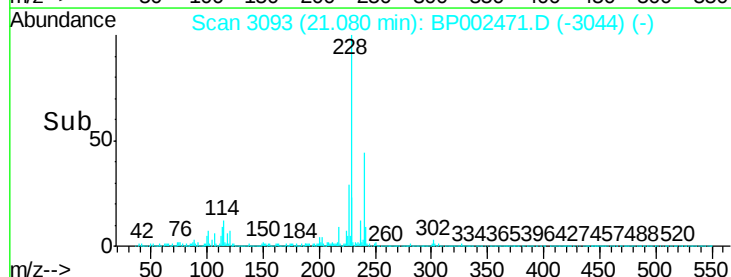
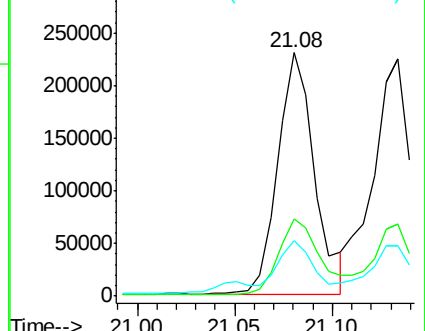
229 22.9 16.2 24.2

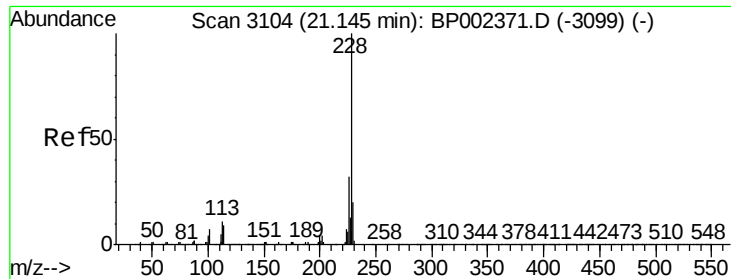


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

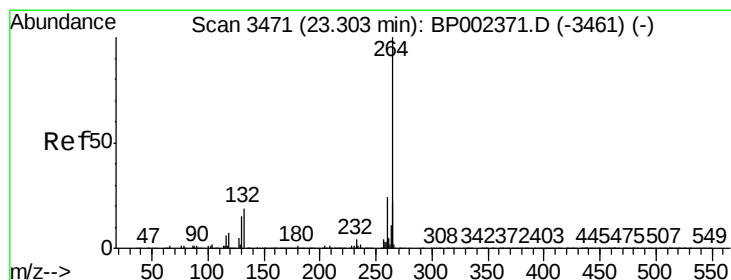
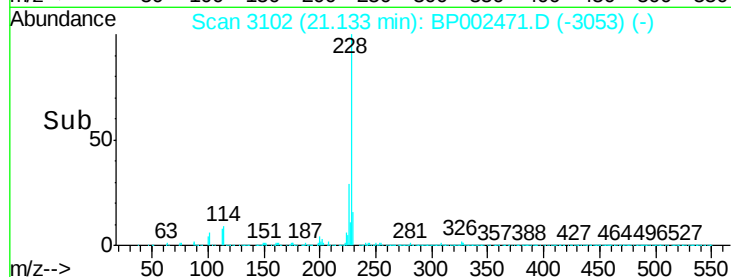
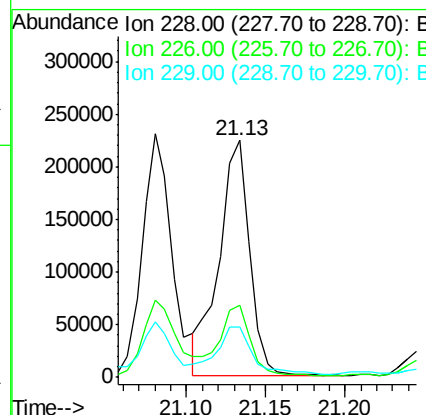
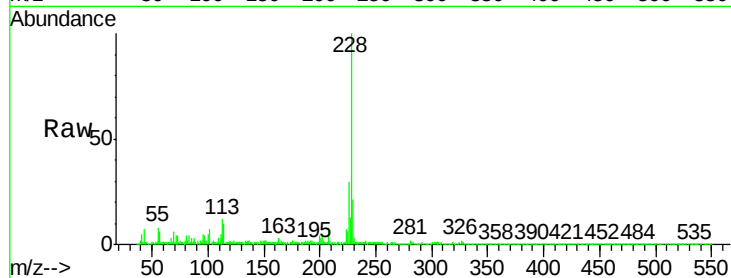




#83
Chrysene
Concen: 6.902 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

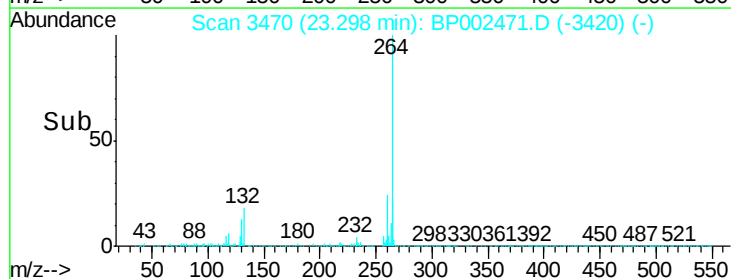
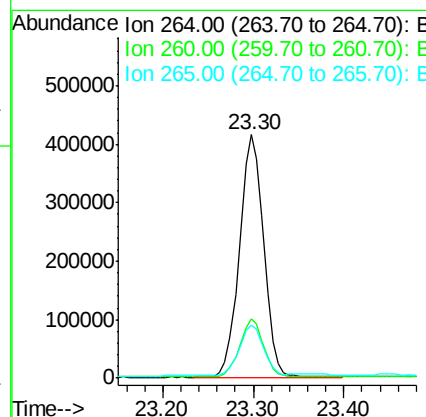
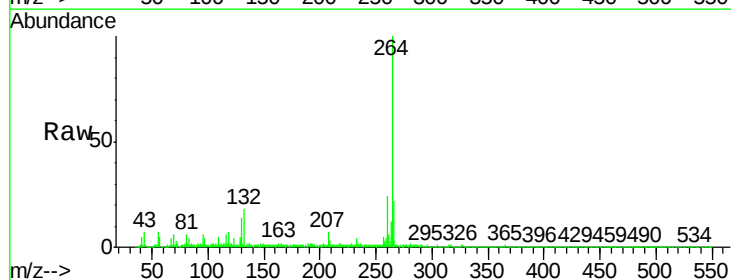
Instrument :
BNA_P
ClientSampleId :
SL-WC-03C

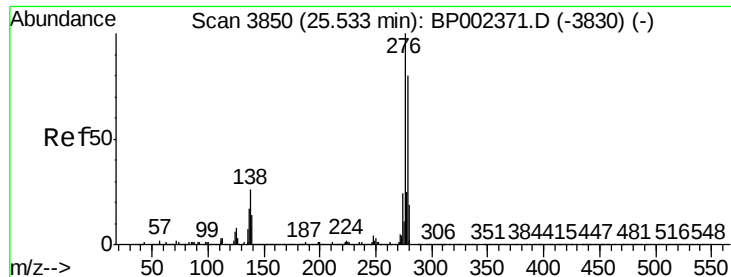
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	21.4	16.1	24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002471.D
Acq: 19 Jun 2020 22:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.7	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.469 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

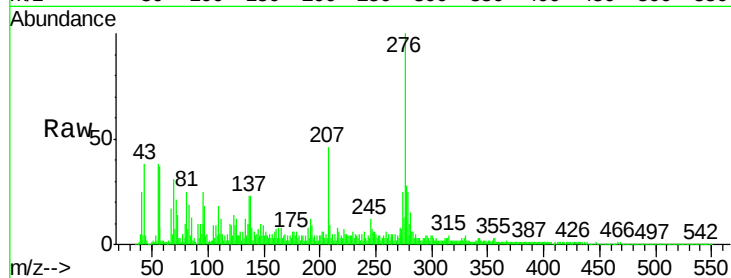
Tot Ion:276 Resp: 167214

Ion Ratio Lower Upper

276 100

138 23.3 21.2 31.8

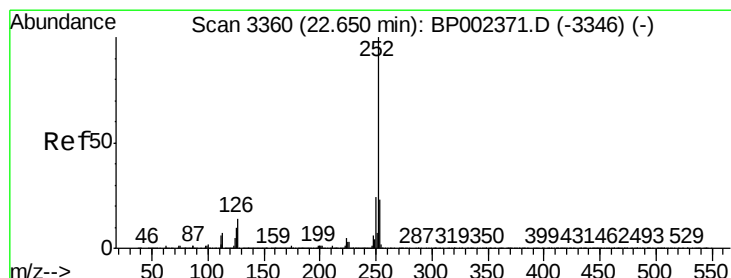
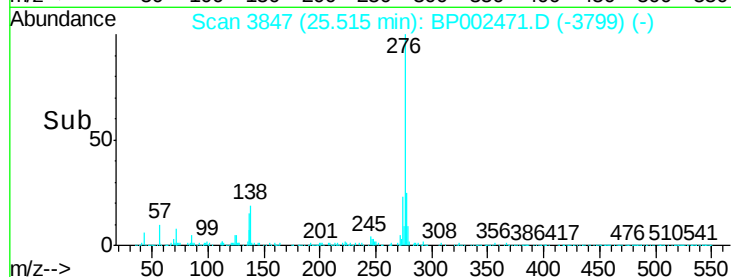
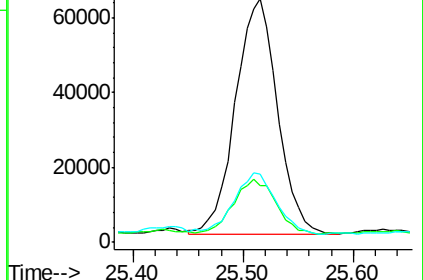
277 26.8 20.3 30.5



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: 8.564 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

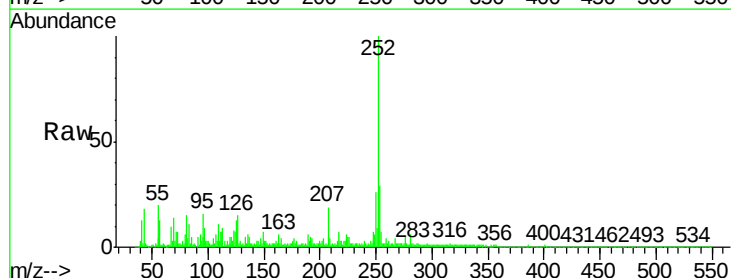
Tgt Ion:252 Resp: 355855

Ion Ratio Lower Upper

252 100

253 29.1 18.1 27.1#

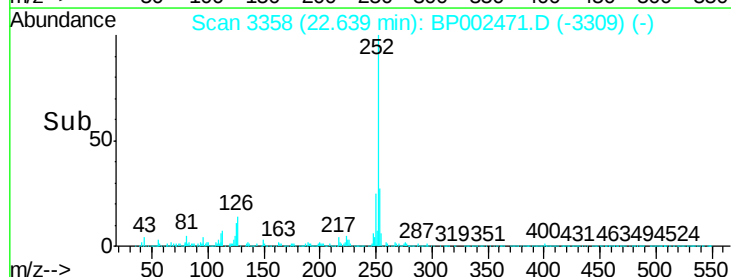
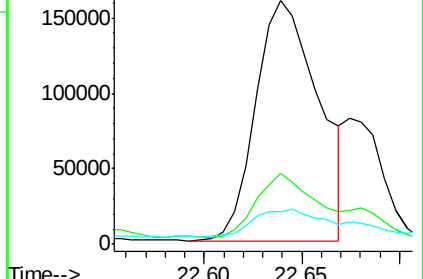
125 13.3 8.2 12.2#

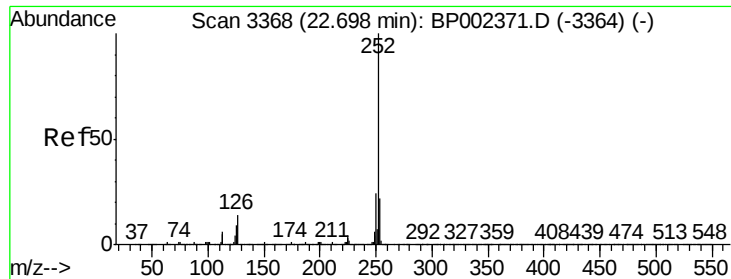


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.013 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.06 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

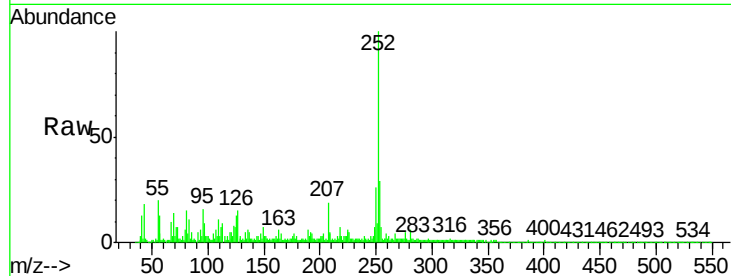
Tot Ion:252 Resp: 355855

Ion Ratio Lower Upper

252 100

253 29.1 17.8 26.6#

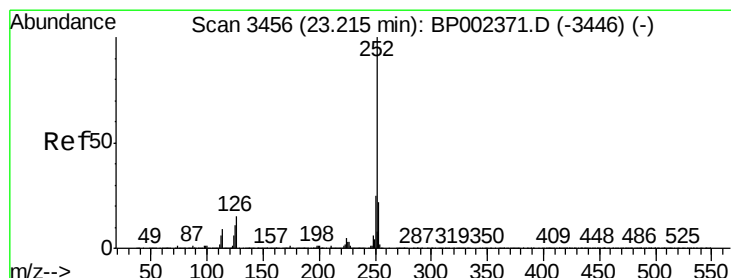
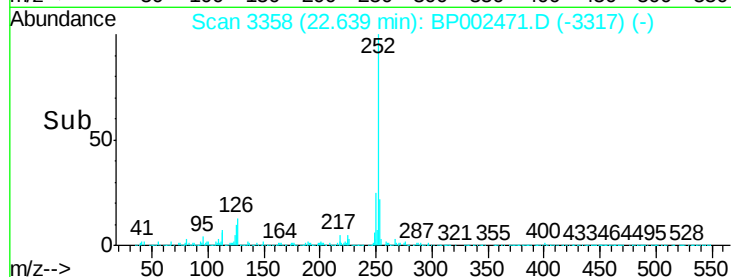
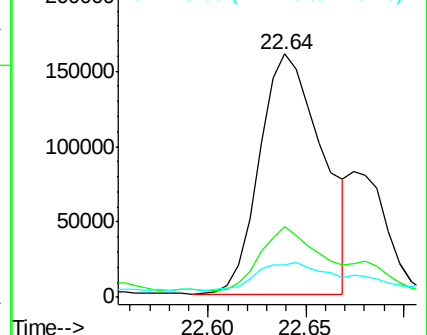
125 13.3 7.8 11.8#



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: 6.654 ng

RT: 23.20 min Scan# 3453

Delta R.T. -0.02 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

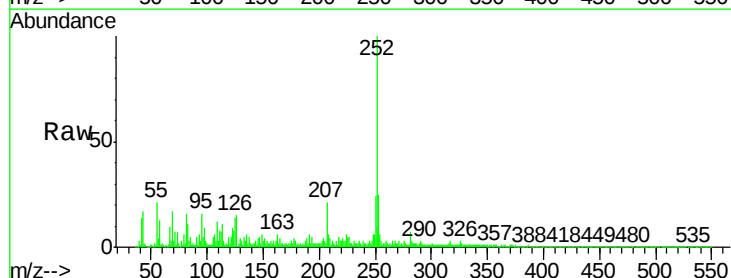
Tgt Ion:252 Resp: 259131

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

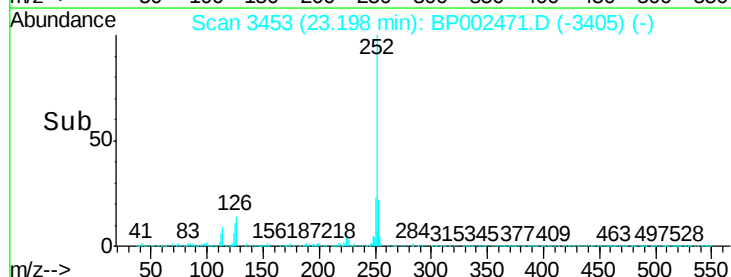
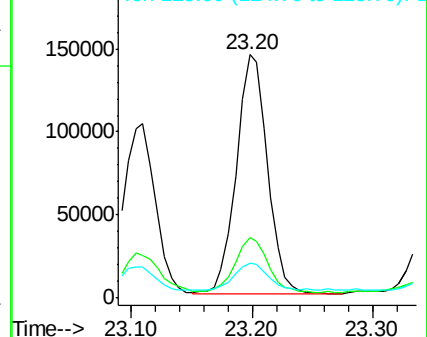
125 14.4 9.2 13.8#

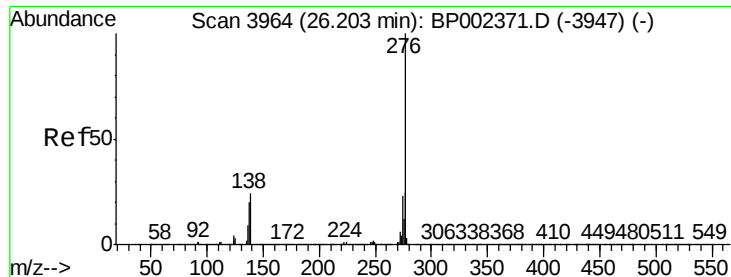


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.982 ng

RT: 26.19 min Scan# 3962

Delta R.T. -0.01 min

Lab File: BP002471.D

Acq: 19 Jun 2020 22:16

Instrument :

BNA_P

ClientSampleId :

SL-WC-03C

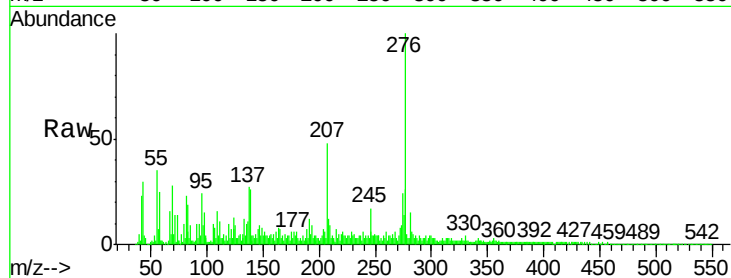
Tot Ion: 276 Resp: 199469

Ion Ratio Lower Upper

276 100

277 26.1 19.8 29.6

138 26.0 19.2 28.8



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

