

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062320\
 Data File : BP002503.D
 Acq On : 23 Jun 2020 15:16
 Operator : CG/JU
 Sample : L3082-17DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Quant Time: Jun 23 16:13:14 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	160952	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	625421	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	358191	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	732370	20.00	ng	0.00
76) Chrysene-d12	21.10	240	718394	20.00	ng	-0.01
86) Perylene-d12	23.30	264	799478	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	190229	21.87	ng	0.00
7) Phenol-d6	6.78	99	242288	20.92	ng	0.00
23) Nitrobenzene-d5	8.73	82	154821	14.78	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	71740	20.92	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	343694	16.13	ng	0.00
79) Terphenyl-d14	19.58	244	494979	-14.92	ng	0.00

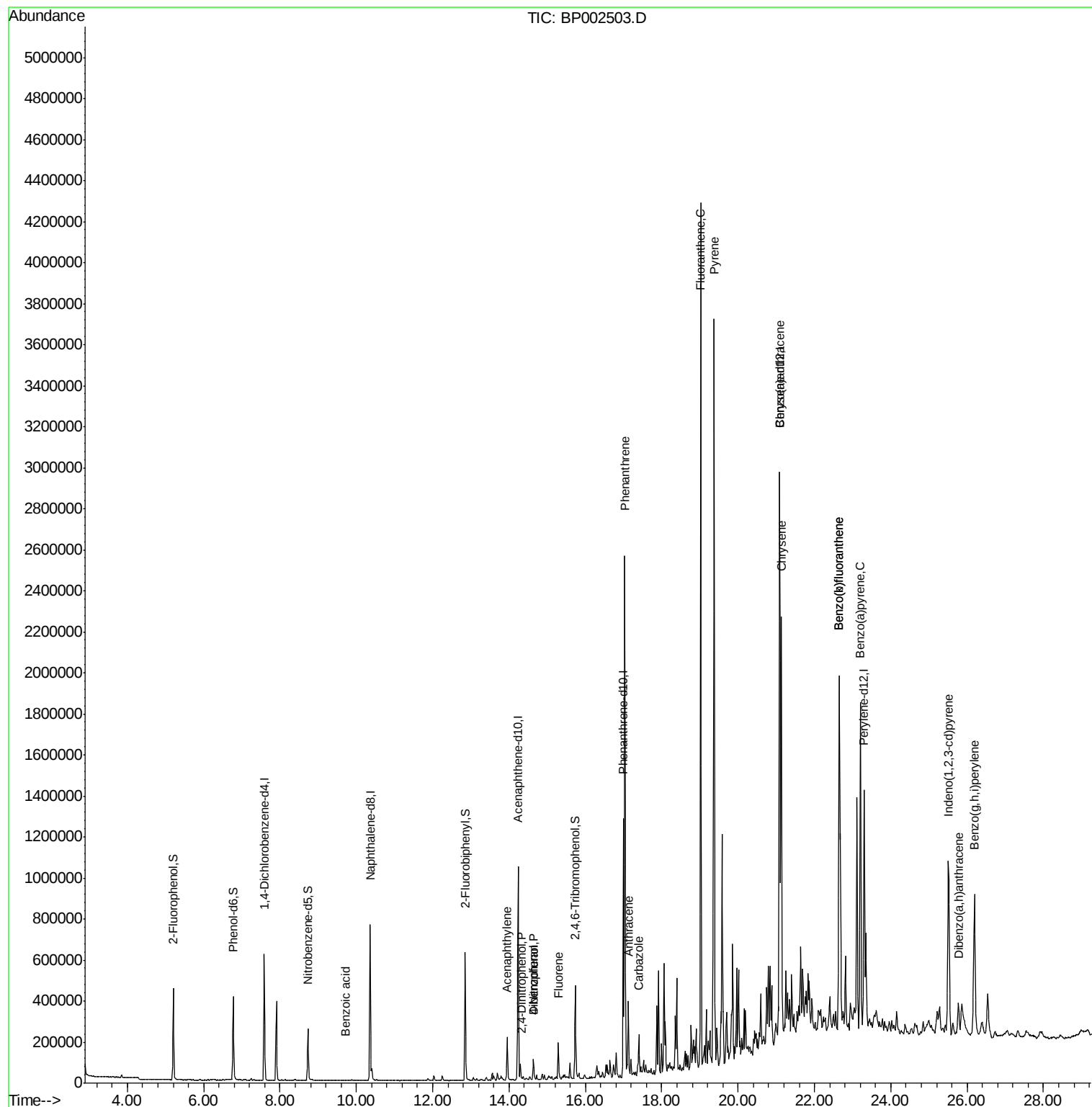
Target Compounds				Qvalue		
9) Benzaldehyde	6.77	77	705	Below Cal	#	11
32) Benzoic acid	9.72	122	104	4.613	ng	42
49) Acenaphthylene	13.95	152	155131	5.062	ng	99
54) 2,4-Dinitrophenol	14.35	184	31	2.795	ng	1
55) Dibenzofuran	14.63	168	61847	2.140	ng	97
56) 4-Nitrophenol	14.64	139	21597	4.469	ng	9
58) Fluorene	15.29	166	79633	3.502	ng	94
61) 4-Chlorophenyl-phenylether	15.27	204	6	Below Cal	#	1
71) Phenanthrene	17.03	178	1505772	43.953	ng	99
72) Anthracene	17.12	178	225103	6.614	ng	98
73) Carbazole	17.40	167	129272	3.861	ng	98
75) Fluoranthene	19.02	202	2412921	59.005	ng	99
78) Pvrene	19.37	202	2219363	50.436	ng	99
81) Benzo(a)anthracene	21.09	228	1029602	25.109	ng	95
83) Chrysene	21.13	228	1071764	27.587	ng	97
87) Indeno(1,2,3-cd)pyrene	25.51	276	788290	15.764	ng	97
88) Benzo(b)fluoranthene	22.64	252	1993537	46.239	ng	99
89) Benzo(k)fluoranthene	22.64	252	1993537	48.665	ng	98
90) Benzo(a)pvrene	23.20	252	1100449	27.237	ng	98
91) Dibenzo(a,h)anthracene	25.77	278	145619	3.630	ng	97
92) Benzo(g,h,i)perylene	26.19	276	759337	18.278	ng	98

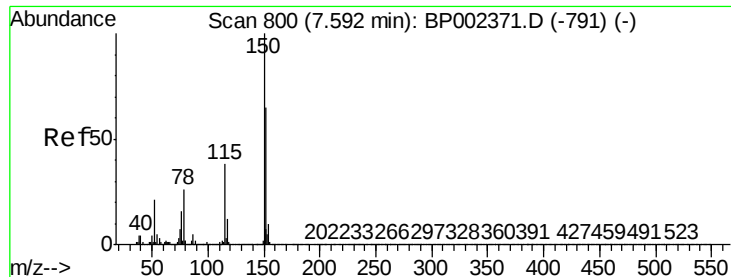
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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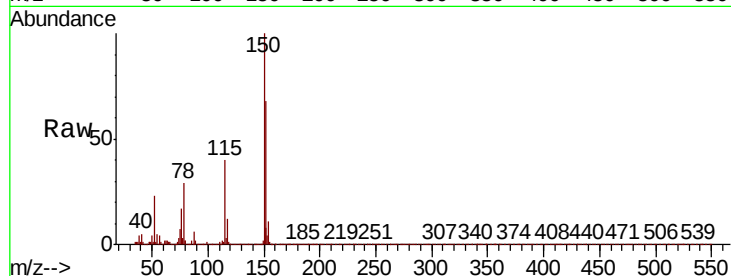


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 799
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampleId :
SB-18DL

Tot Ion	152	Resp	160952
Ion	Ratio	Lower	Upper
152	100		
150	147.9	124.0	186.0
115	59.3	47.4	71.0

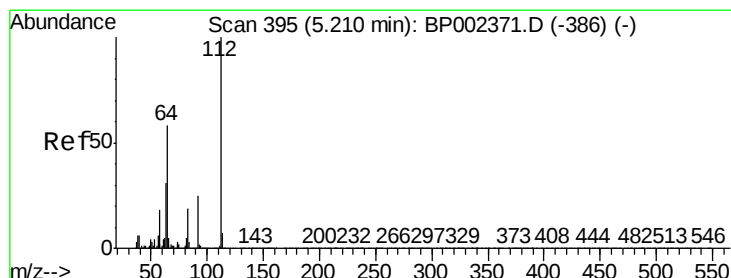
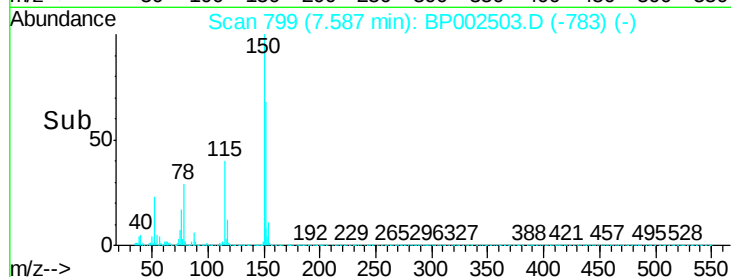
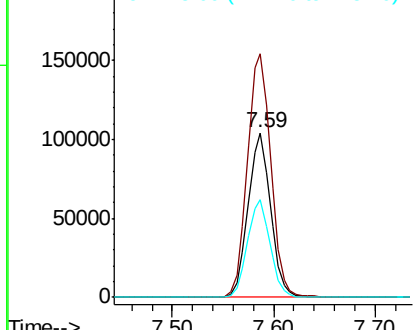


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

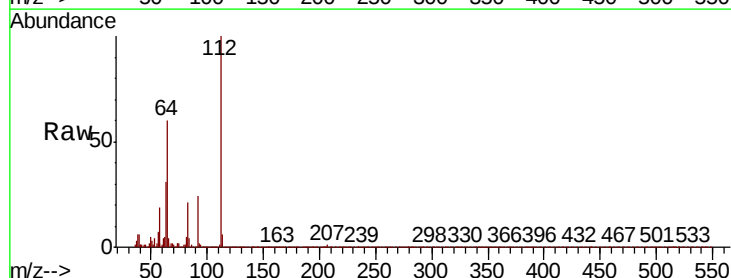
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.870 ng
RT: 5.20 min Scan# 394
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	112	Resp	190229
Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.2	69.2
63	30.9	24.5	36.7

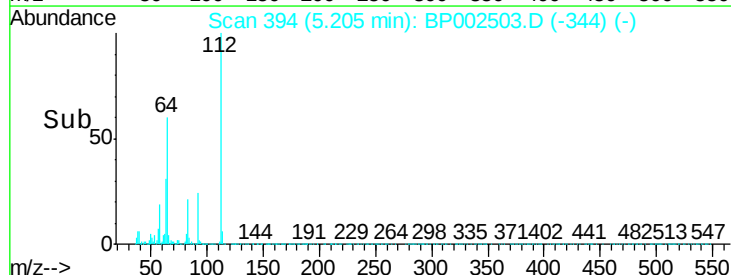
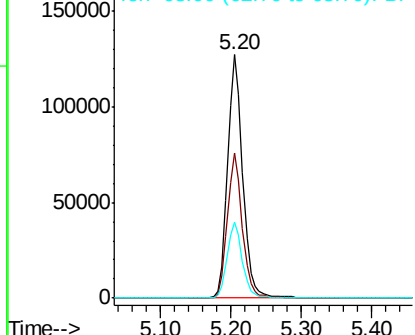


Abundance

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: 20.922 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

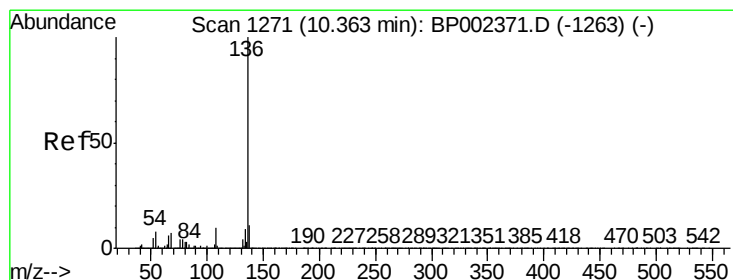
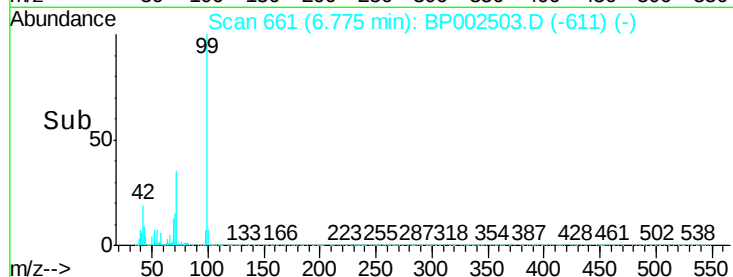
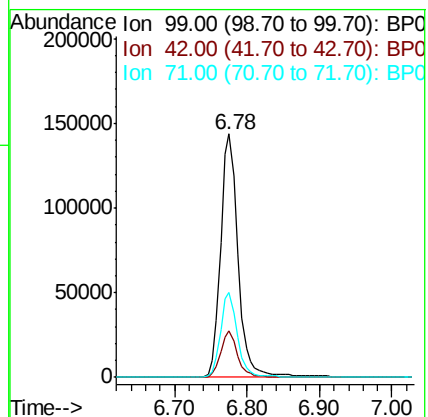
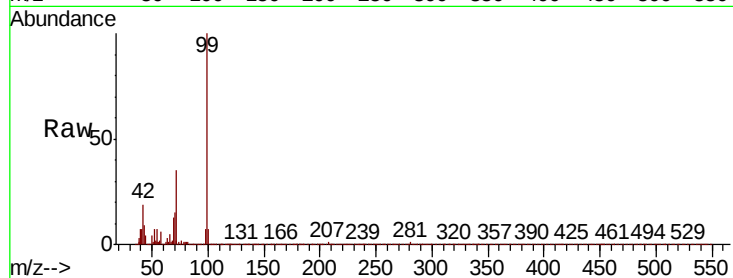
Tot Ion: 99 Resp: 242288

Ion Ratio Lower Upper

99 100

42 18.9 14.6 22.0

71 34.7 27.2 40.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion: 136 Resp: 625421

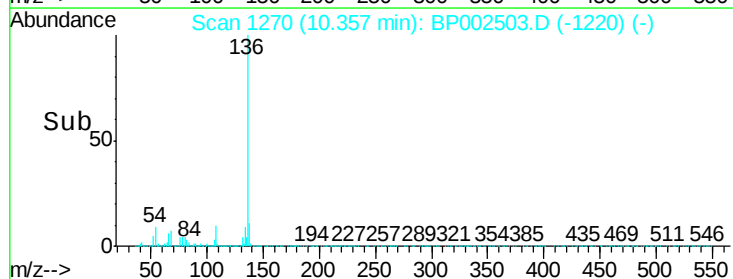
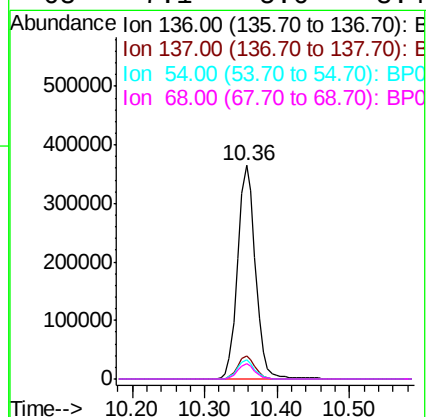
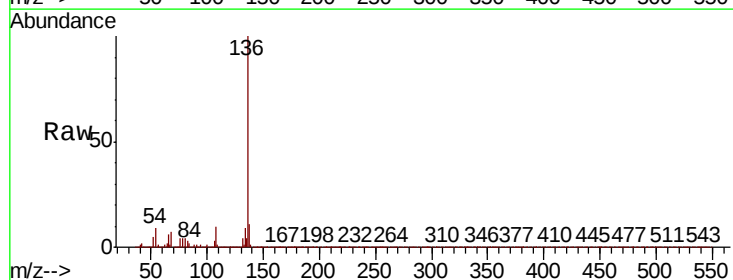
Ion Ratio Lower Upper

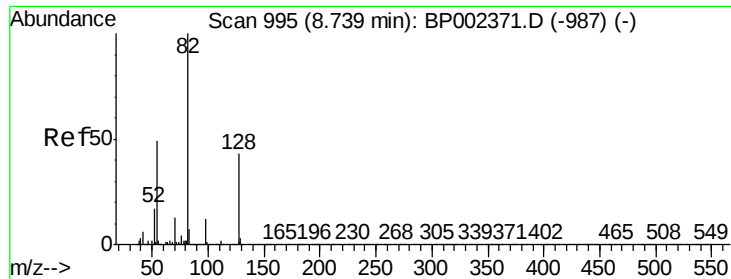
136 100

137 10.9 8.8 13.2

54 8.9 6.4 9.6

68 7.1 5.6 8.4

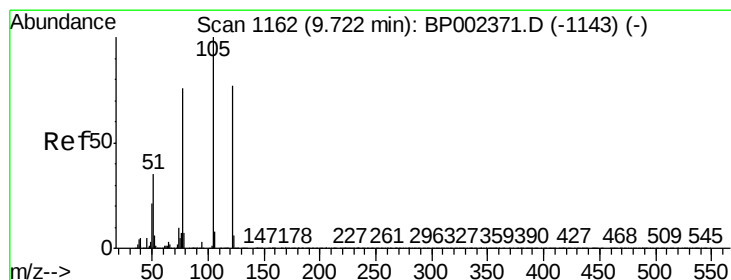
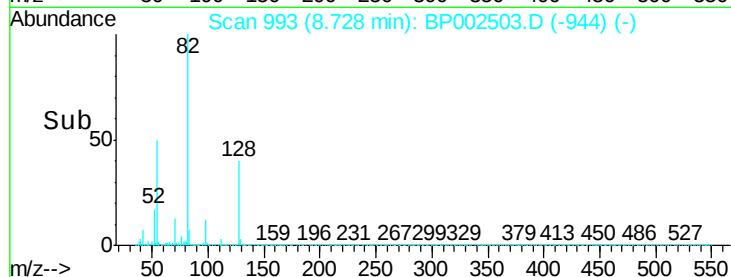
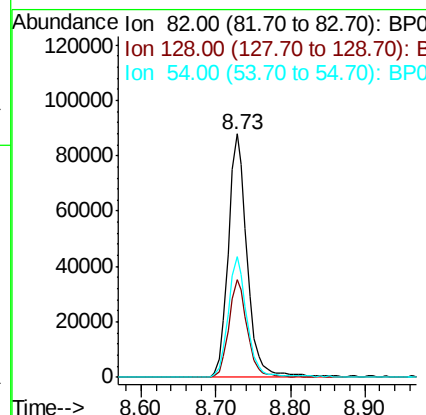
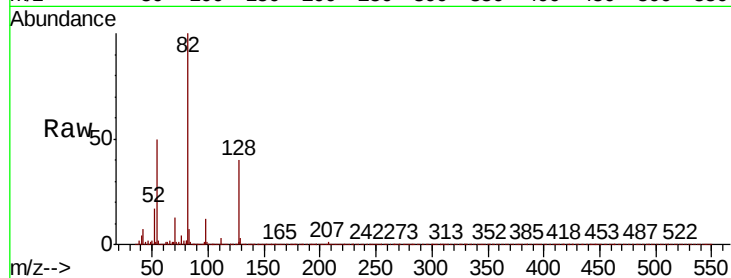




#23
 Nitrobenzene-d5
 Concen: 14.783 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

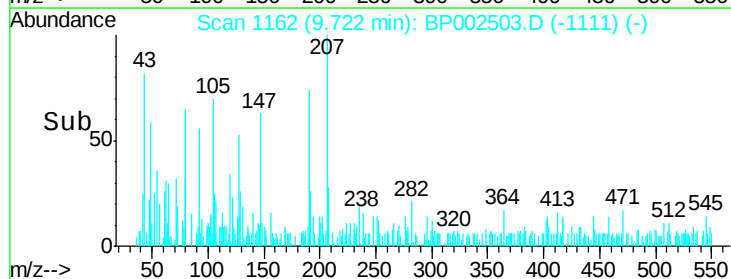
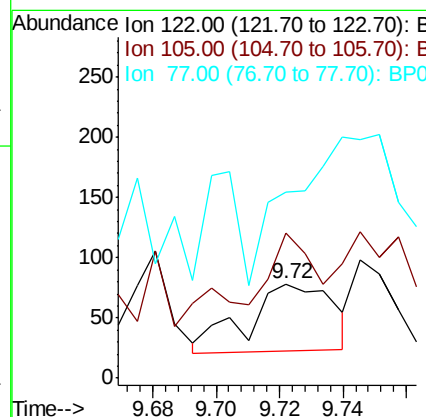
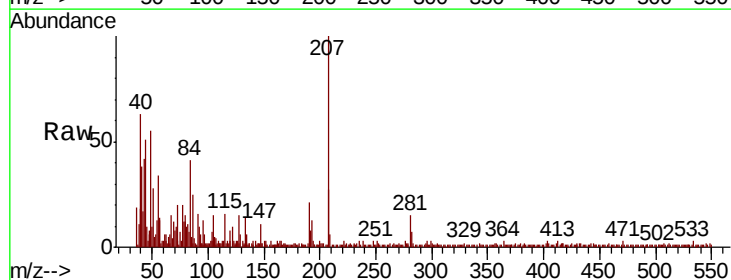
Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

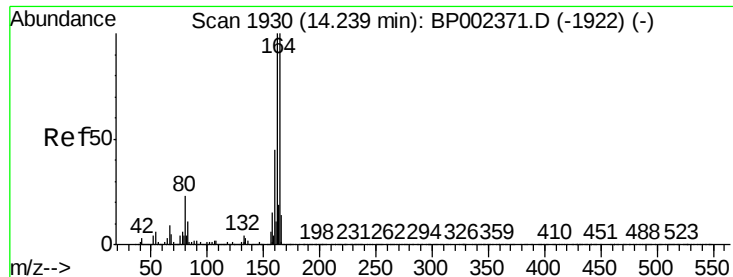
Tot Ion	82	Resp	154821
Ion Ratio	Lower	Upper	
82	100		
128	40.1	34.5	51.7
54	49.7	39.4	59.2



#32
 Benzoic acid
 Concen: 4.613 ng
 RT: 9.72 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion	122	Resp	104
Ion Ratio	Lower	Upper	
122	100		
105	153.8	106.3	146.3#
77	197.4	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: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

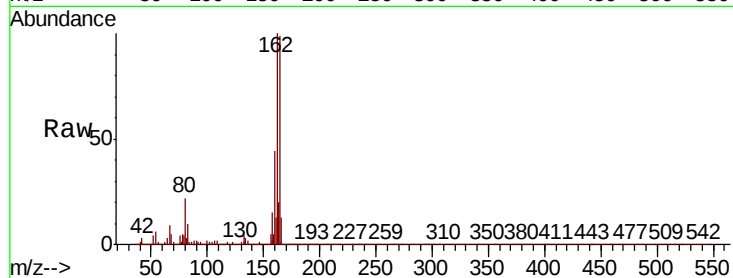
Tot Ion:164 Resp: 358191

Ion Ratio Lower Upper

164 100

162 101.4 79.8 119.8

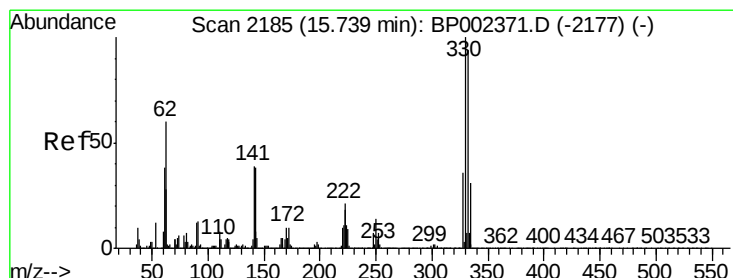
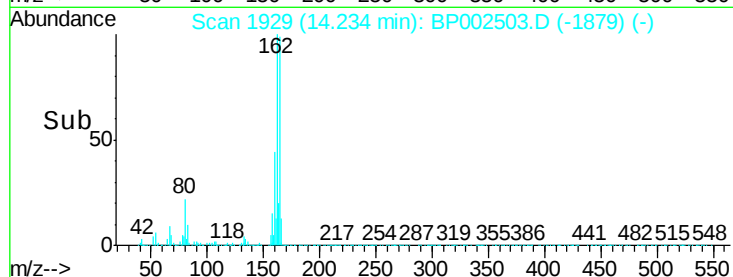
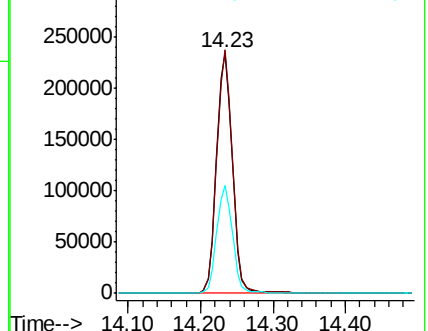
160 45.1 36.2 54.2



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: 20.919 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

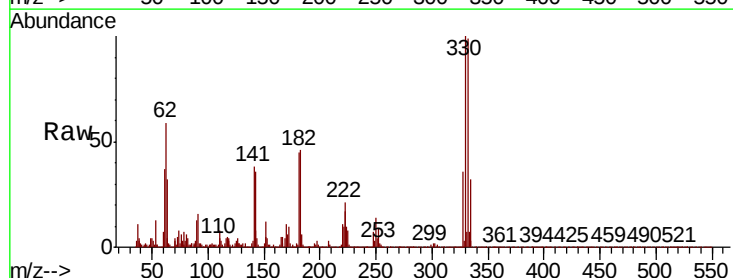
Tgt Ion:330 Resp: 71740

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

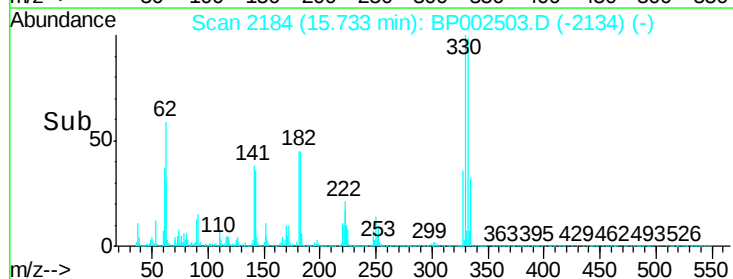
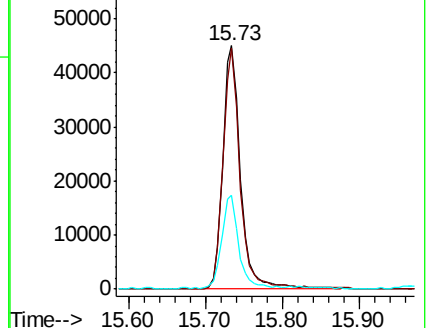
141 36.1 30.3 45.5

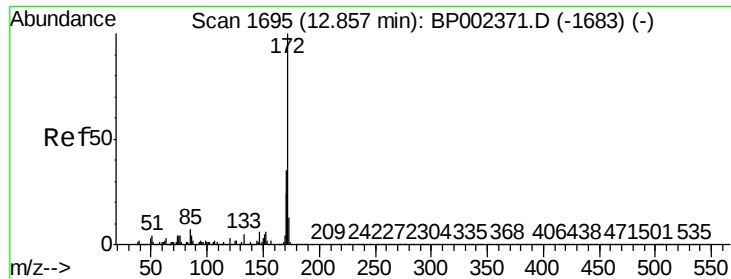


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

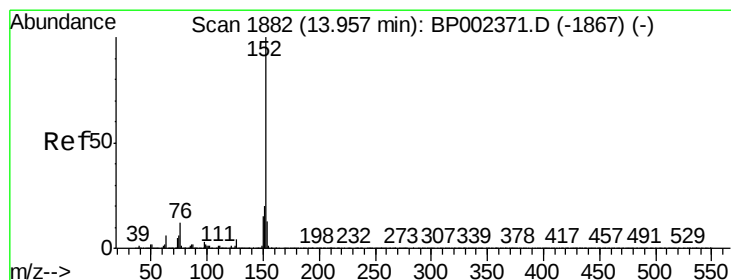
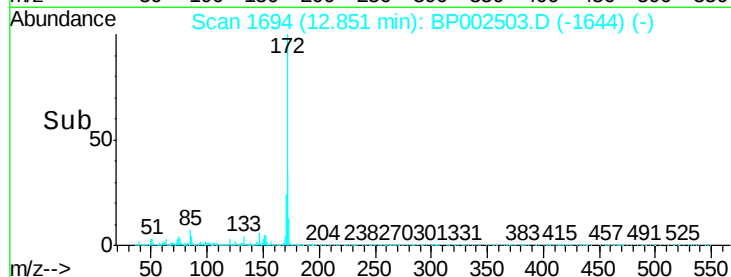
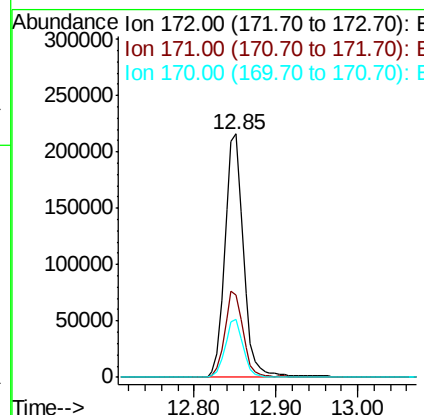
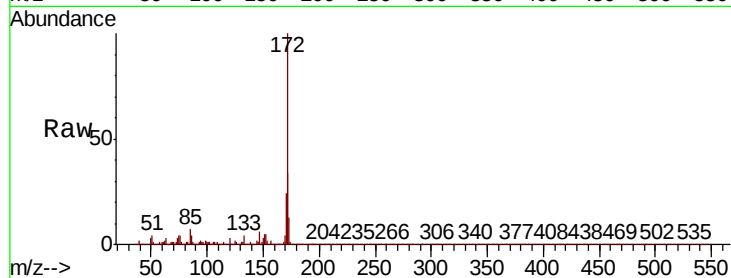




#45
2-Fluorobiphenyl
Concen: 16.134 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

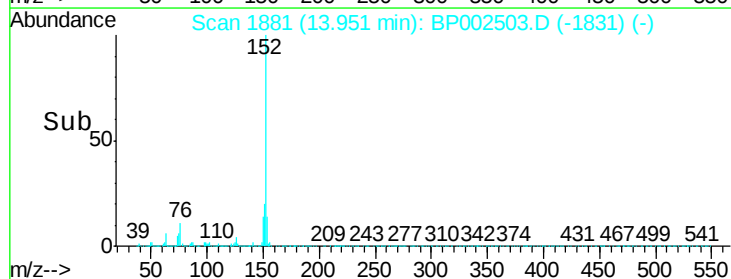
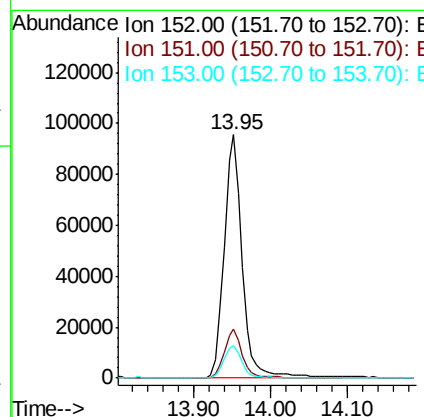
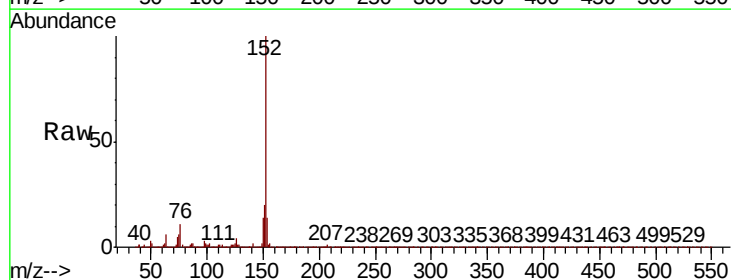
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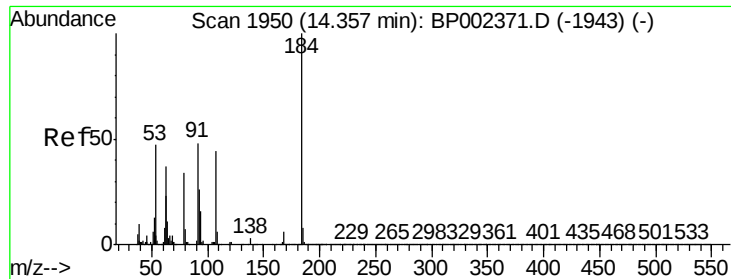
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.8	41.8
170	23.7	19.0	28.6



#49
Acenaphthylene
Concen: 5.062 ng
RT: 13.95 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.6	10.5	15.7

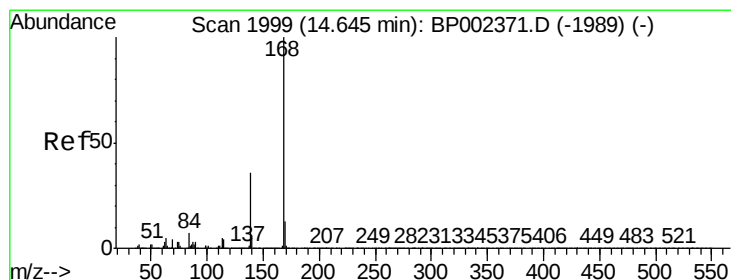
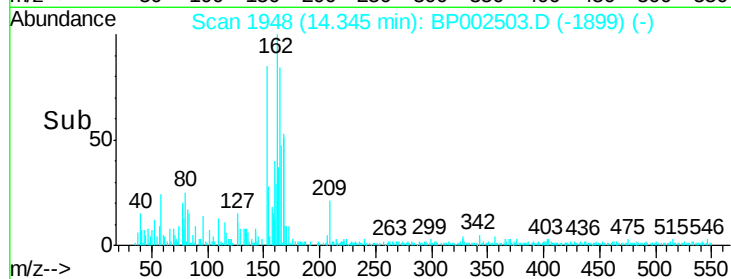
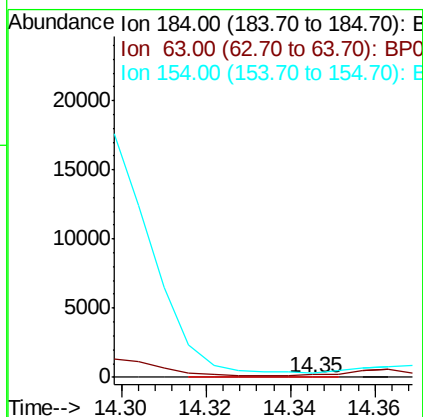
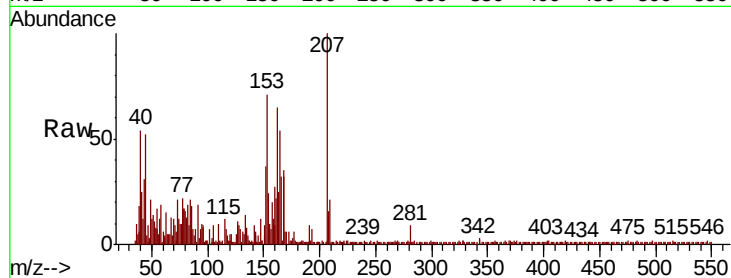




#54
2,4-Dinitrophenol
Concen: 2.795 ng
RT: 14.35 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

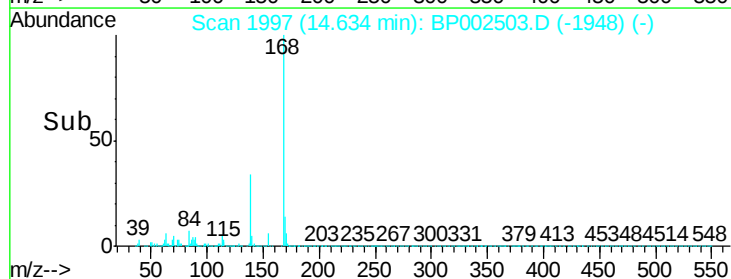
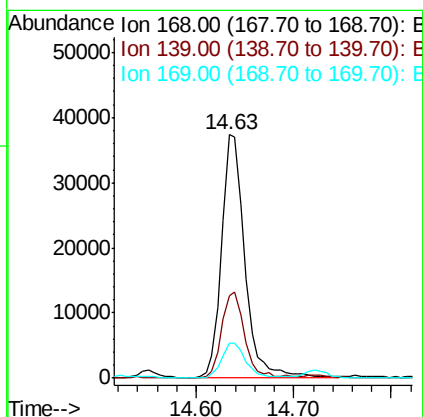
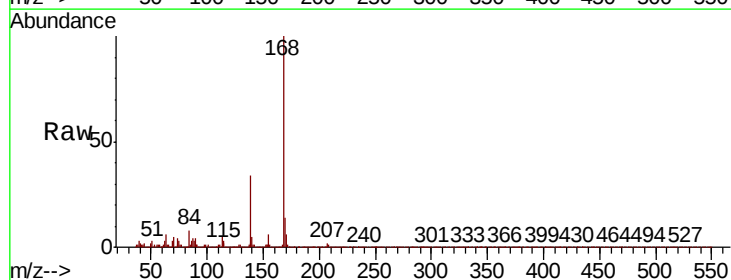
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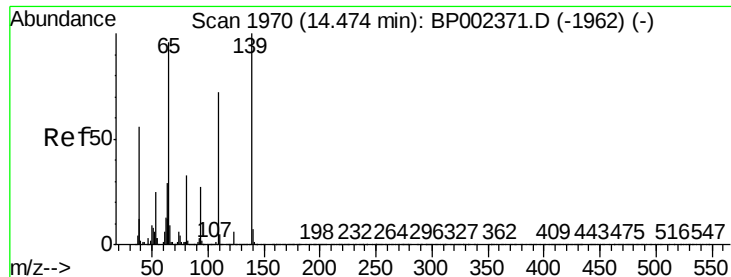
Tot Ion:184 Resp: 31
Ion Ratio Lower Upper
184 100
63 823.8 52.3 78.5#
154 1285.7 48.6 72.8#



#55
Dibenzofuran
Concen: 2.140 ng
RT: 14.63 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion:168 Resp: 61847
Ion Ratio Lower Upper
168 100
139 33.9 28.9 43.3
169 14.3 10.6 15.8

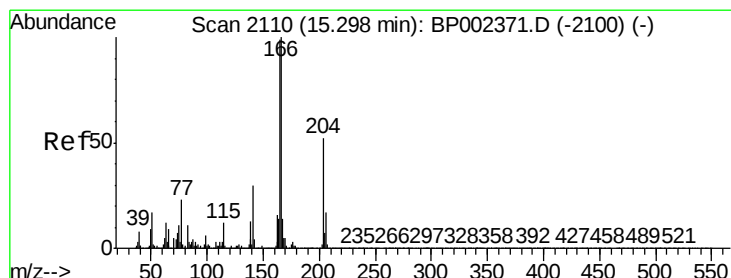
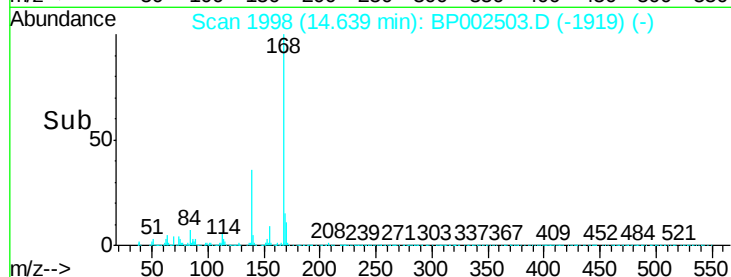
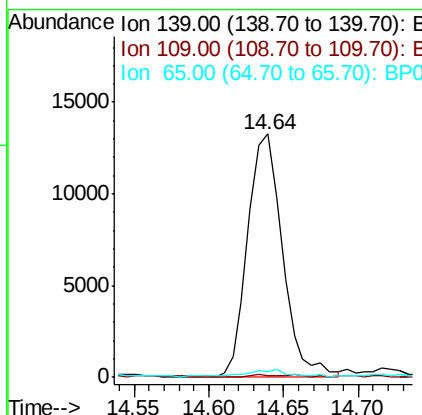
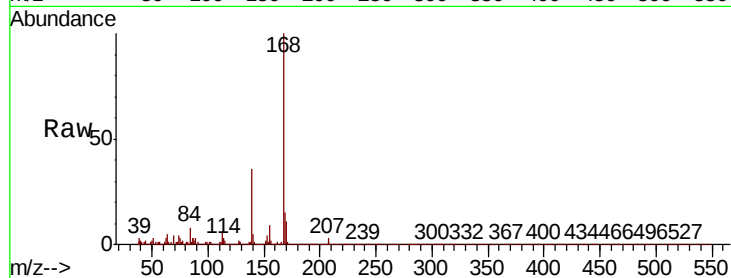




#56
4-Nitrophenol
Concen: 4.469 ng
RT: 14.64 min Scan# 1998
Delta R.T. 0.16 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

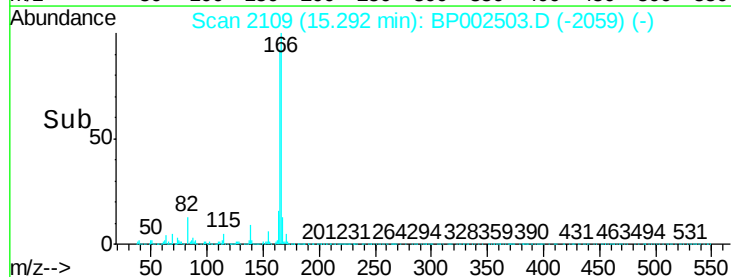
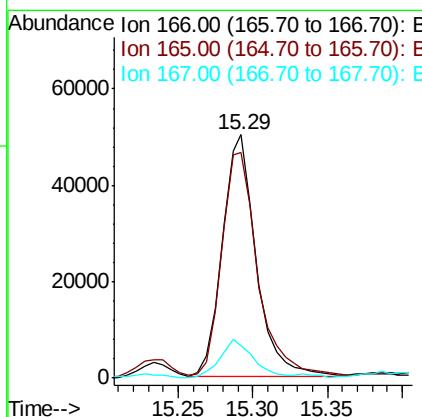
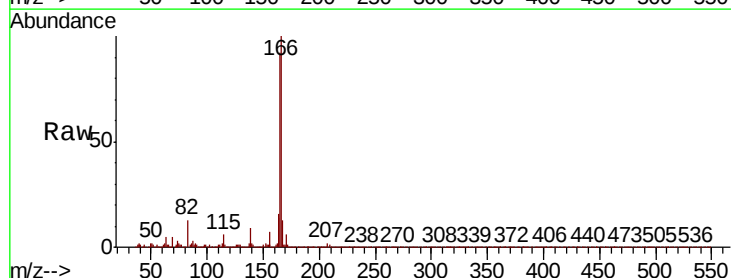
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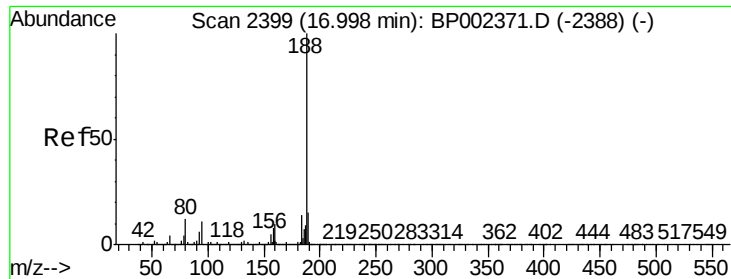
Tot Ion:139 Resp: 21597
Ion Ratio Lower Upper
139 100
109 0.9 52.0 92.0#
65 2.2 76.3 116.3#



#58
Fluorene
Concen: 3.502 ng
RT: 15.29 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion:166 Resp: 79633
Ion Ratio Lower Upper
166 100
165 92.5 79.1 118.7
167 13.2 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

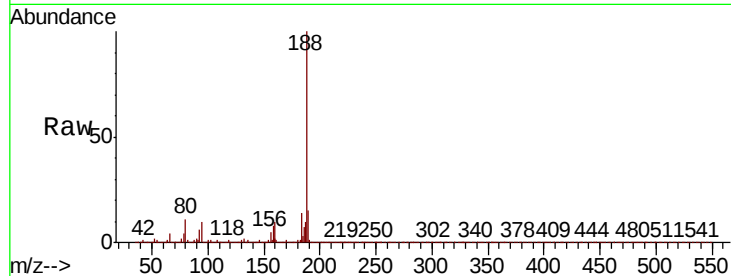
Tot Ion:188 Resp: 732370

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

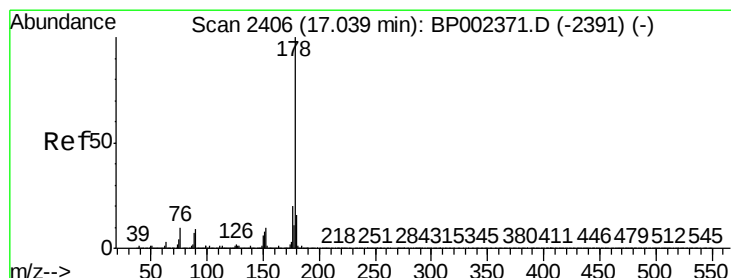
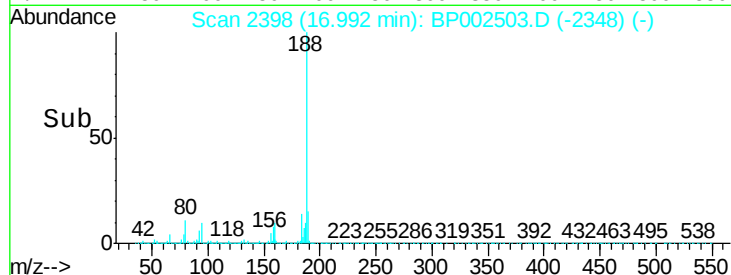
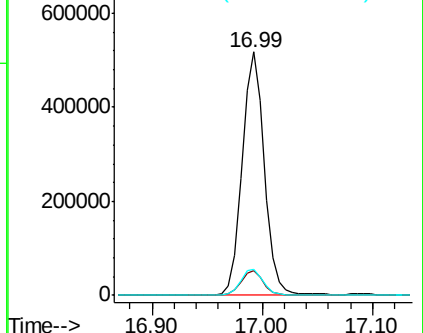
80 10.6 9.4 14.0



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: 43.953 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

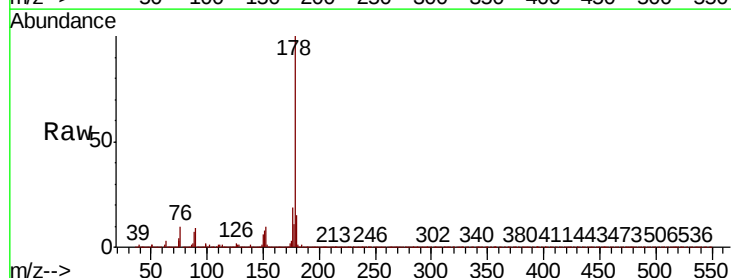
Tgt Ion:178 Resp: 1505772

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

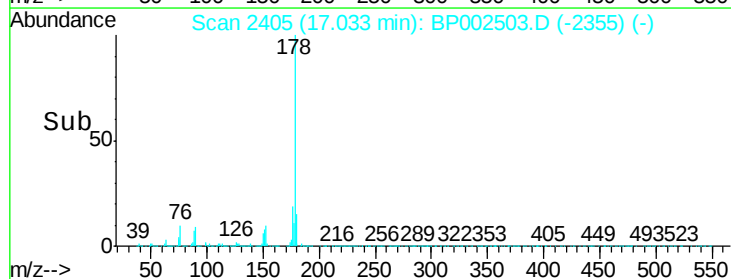
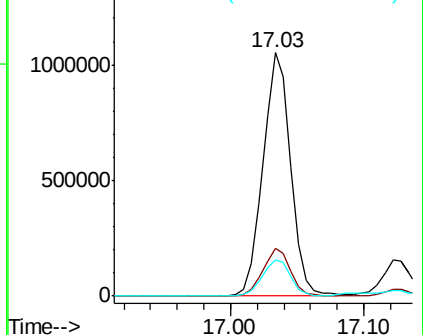
179 15.1 12.5 18.7

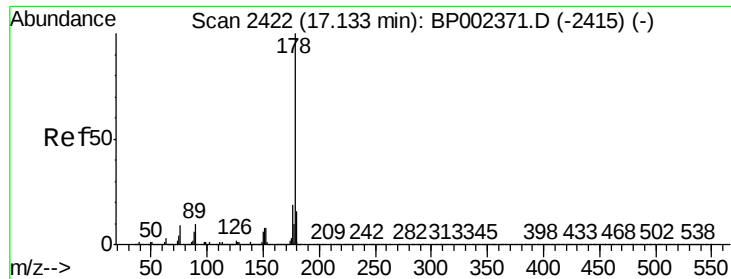


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.614 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

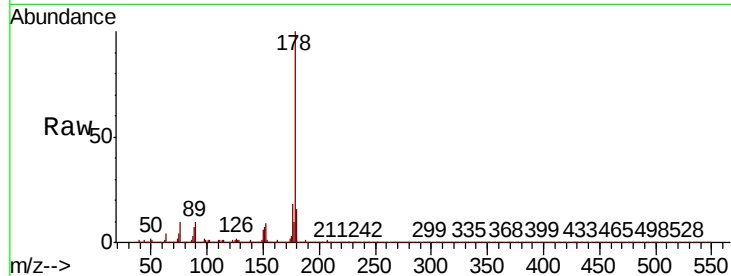
Tot Ion:178 Resp: 225103

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

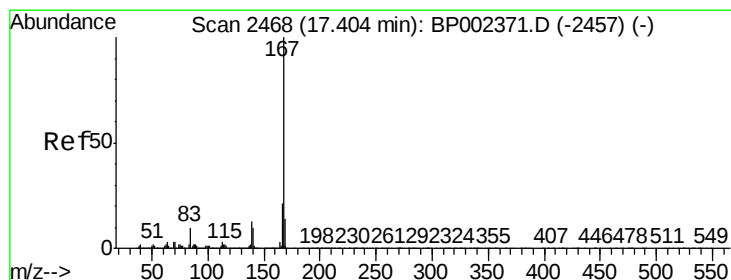
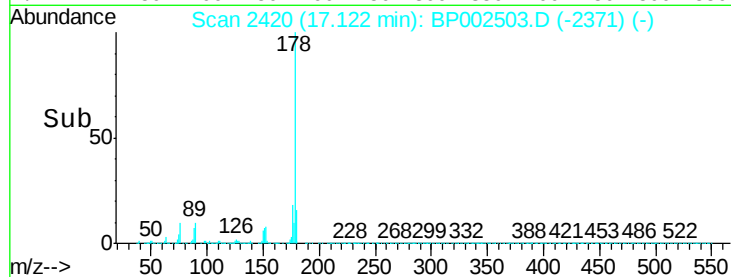
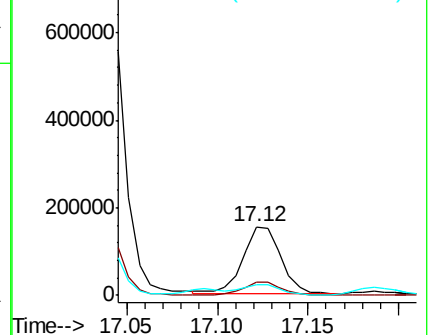
179 15.7 13.0 19.4



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



#73

Carbazole

Concen: 3.861 ng

RT: 17.40 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

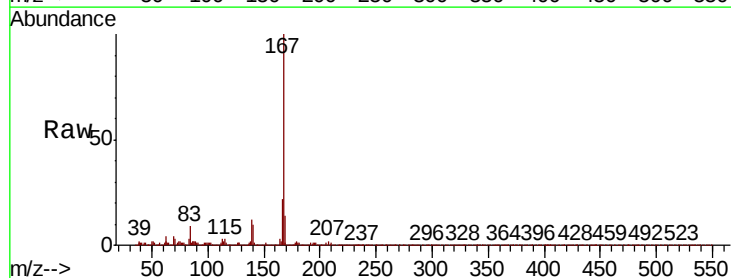
Tgt Ion:167 Resp: 129272

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

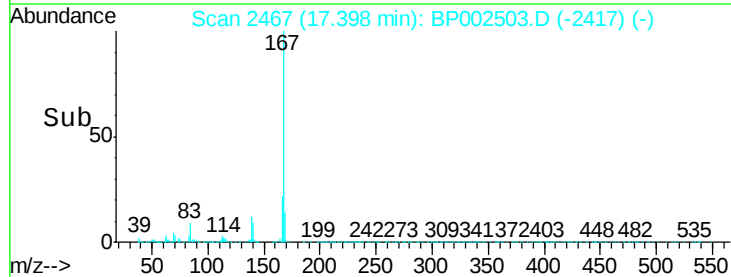
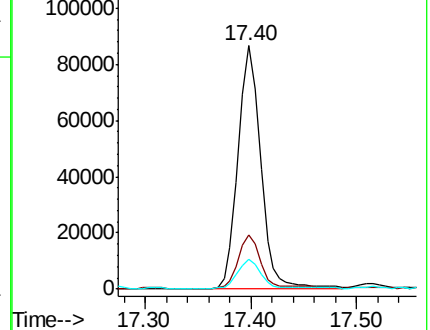
139 12.2 10.3 15.5

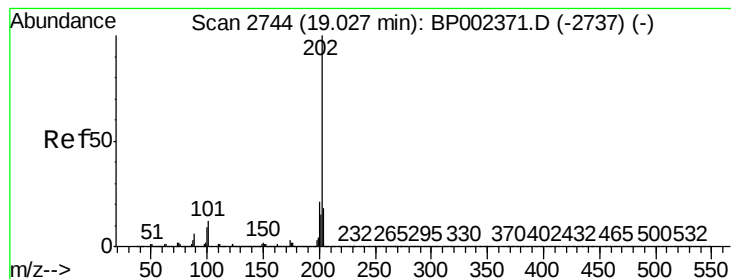


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 59.005 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

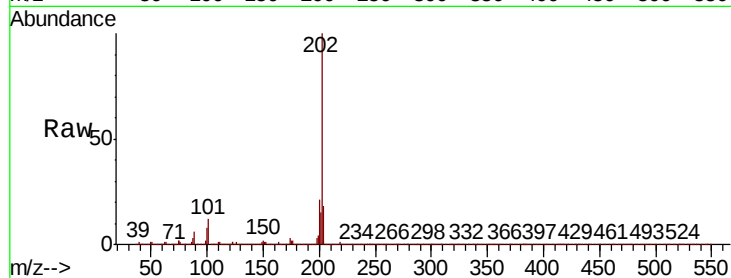
BNA_P

ClientSampleId :

SB-18DL

Tot Ion:202 Resp: 2412921

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.8
203	18.3	0.0	38.0

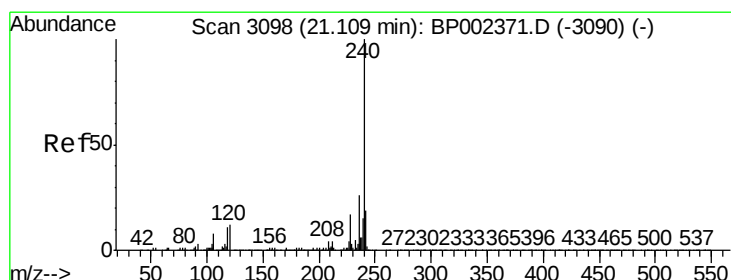
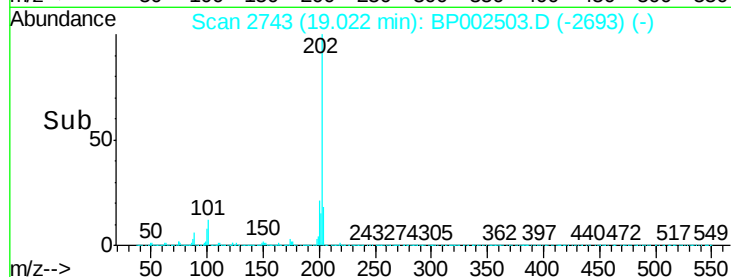
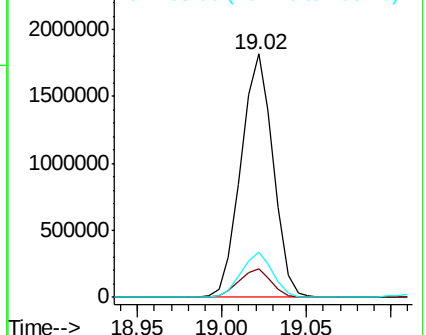


Abundance

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

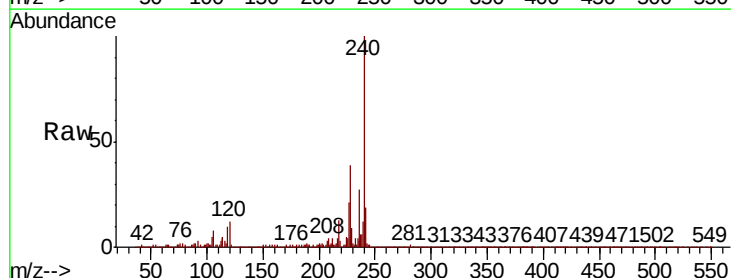
Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion:240 Resp: 718394

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.3	13.9
236	26.5	21.0	31.6

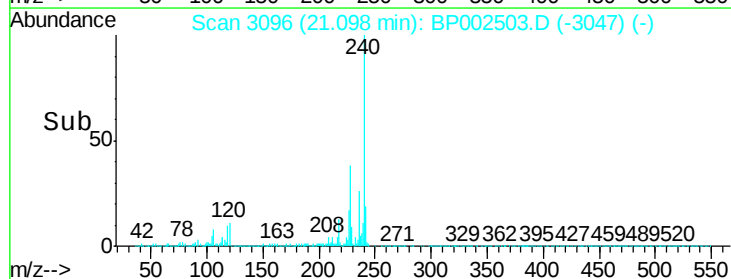
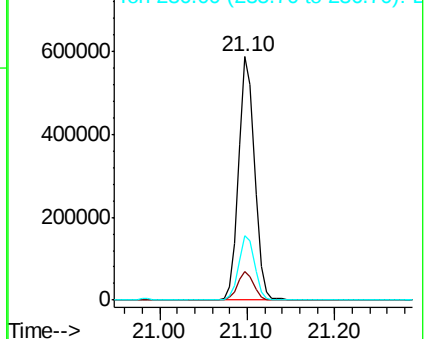


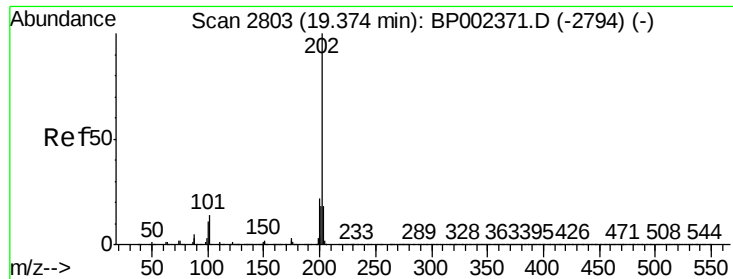
Abundance

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

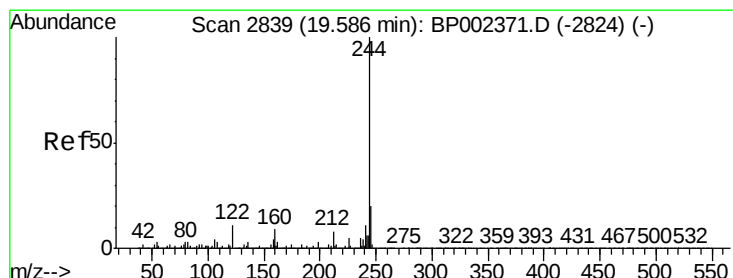
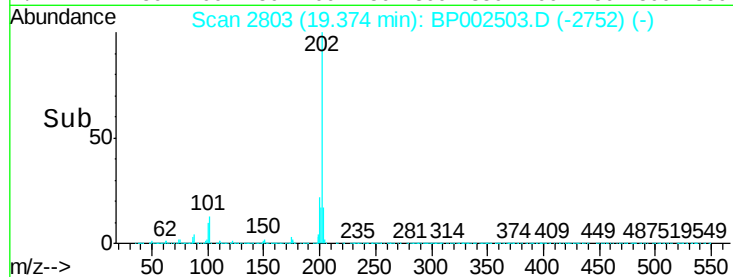
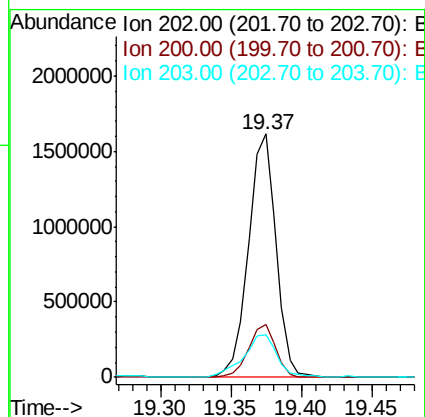
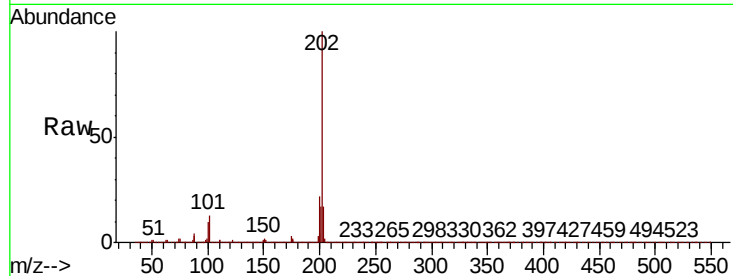




#78
Pvrene
Concen: 50.436 ng
RT: 19.37 min Scan# 2803
Delta R.T. 0.00 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

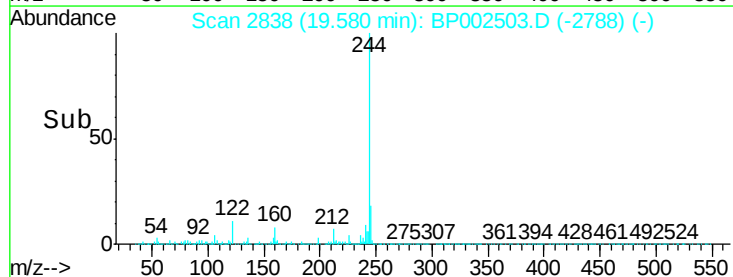
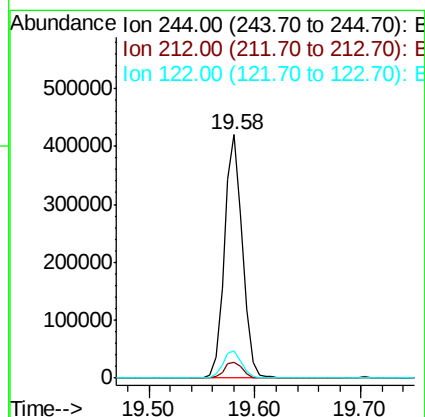
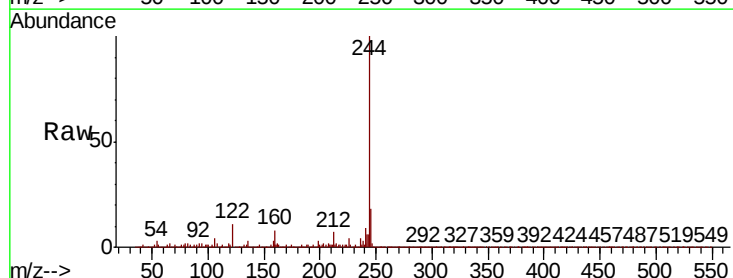
Instrument :
BNA_P
ClientSampleId :
SB-18DL

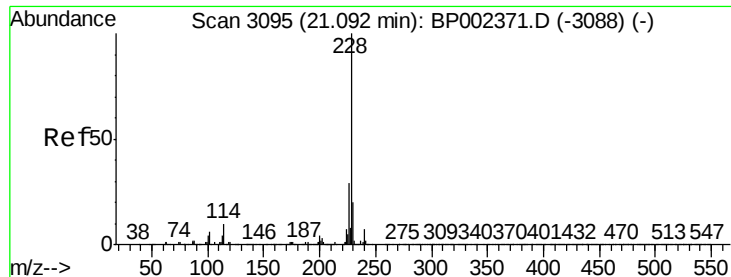
Tot Ion:202 Resp: 2219363
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: -14.925 ng
RT: 19.58 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion:244 Resp: 494979
Ion Ratio Lower Upper
244 100
212 6.6 6.6 10.0#
122 11.5 8.8 13.2

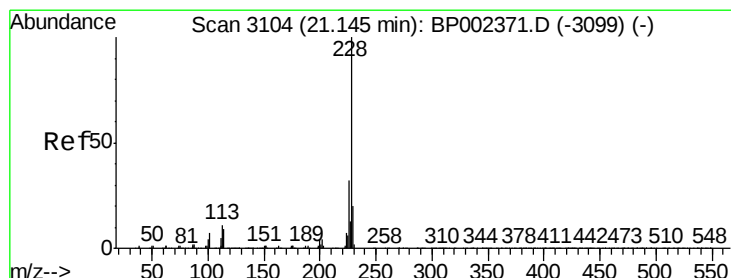
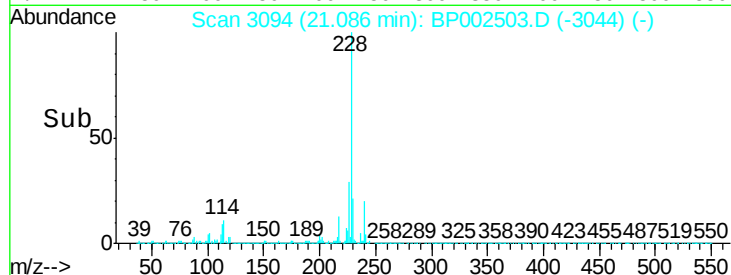
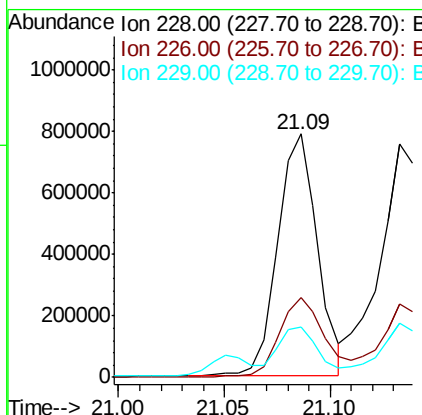
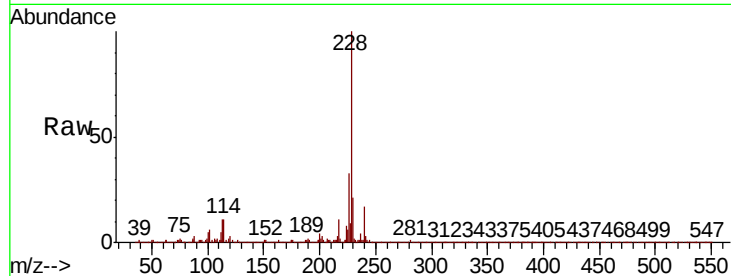




#81
Benzo(a)anthracene
Concen: 25.109 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

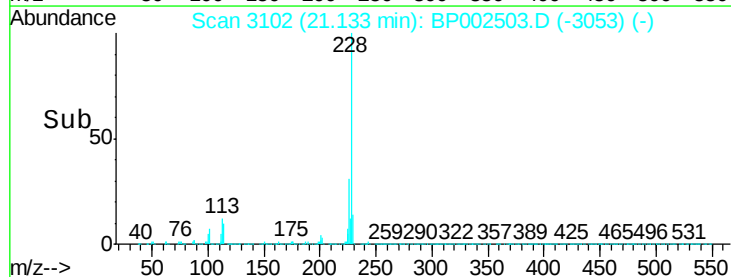
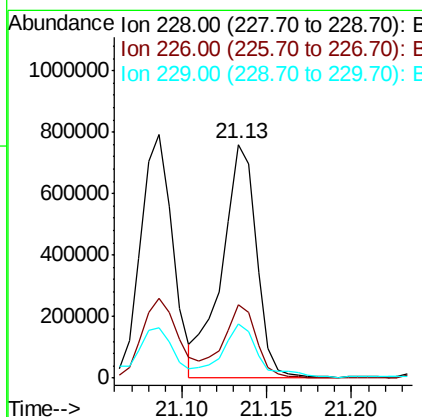
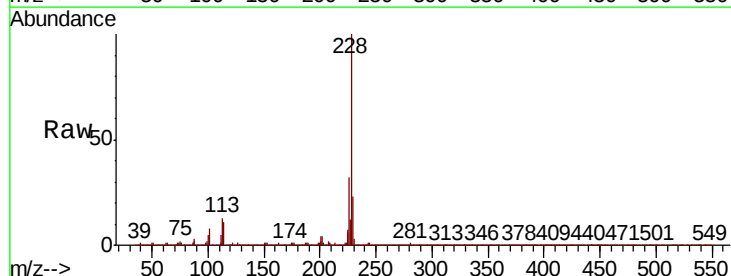
Instrument :
BNA_P
ClientSampleId :
SB-18DL

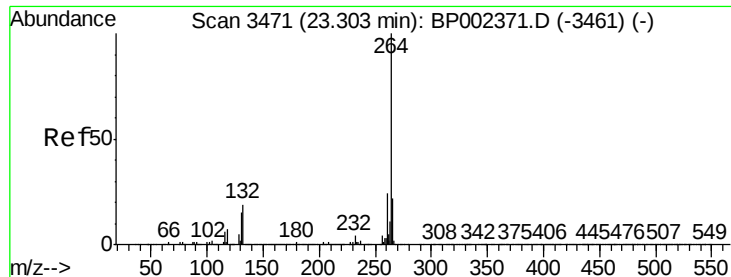
Tot Ion:228 Resp: 1029602
Ion Ratio Lower Upper
228 100
226 32.6 22.8 34.2
229 20.7 16.2 24.2



#83
Chrysene
Concen: 27.587 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion:228 Resp: 1071764
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 23.1 16.1 24.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3470

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

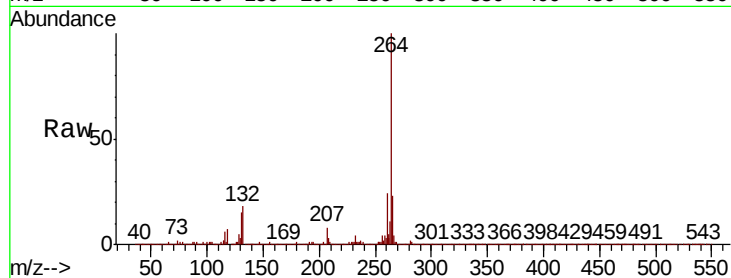
BNA_P

ClientSampled :

SB-18DL

Tot Ion:264 Resp: 799478

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	23.2	17.4	26.2

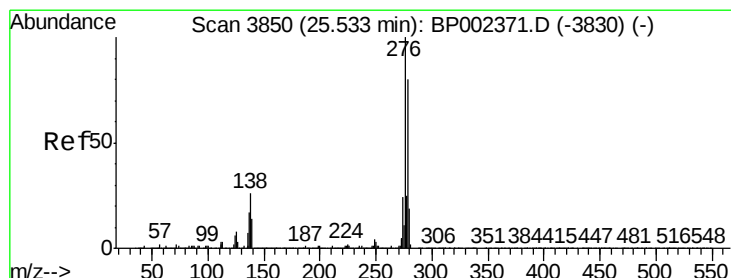
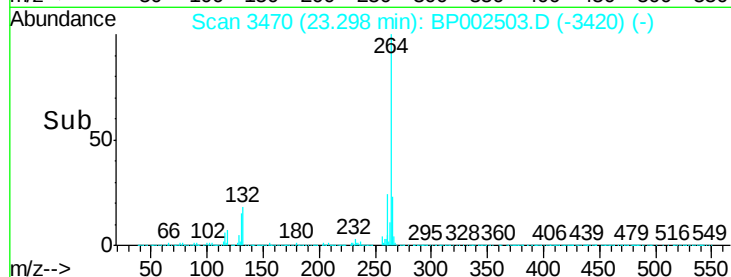
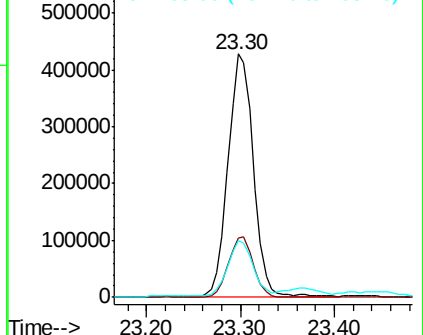


Abundance

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: 15.764 ng

RT: 25.51 min Scan# 3846

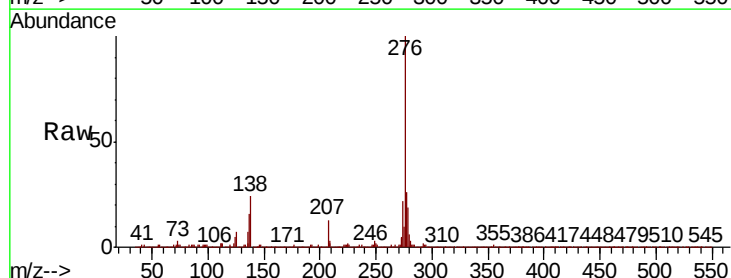
Delta R.T. -0.02 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion:276 Resp: 788290

Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.2	31.8
277	25.4	20.3	30.5

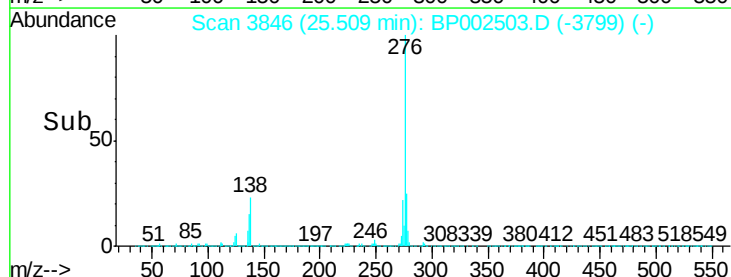
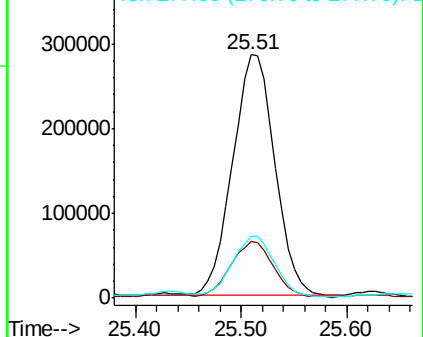


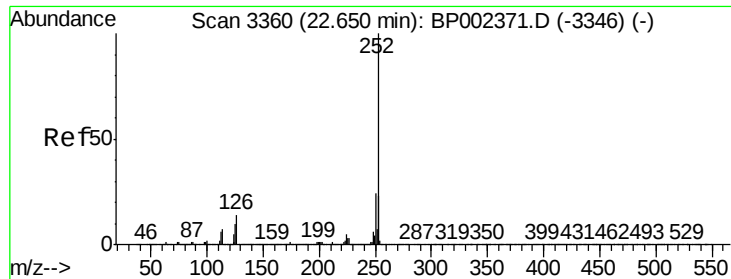
Abundance

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: 46.239 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

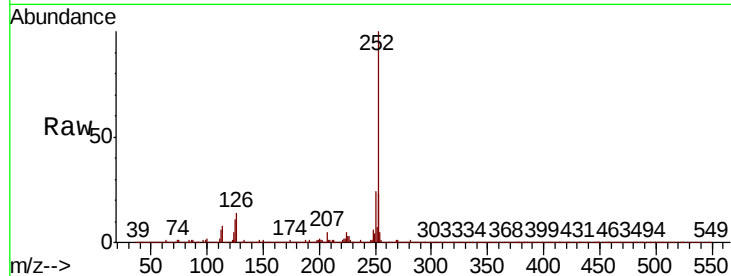
Tot Ion:252 Resp: 1993537

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

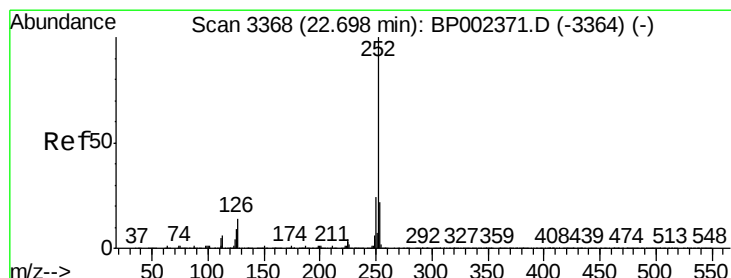
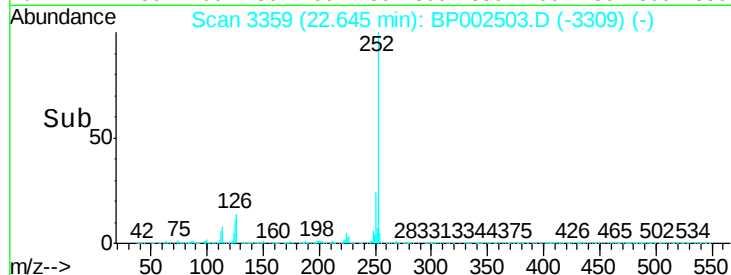
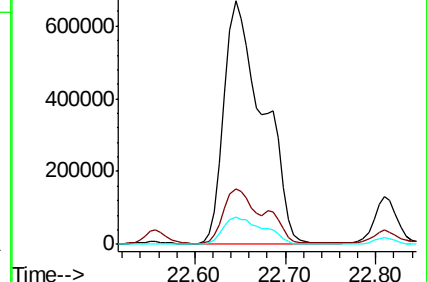
125 11.1 8.2 12.2



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: 48.665 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

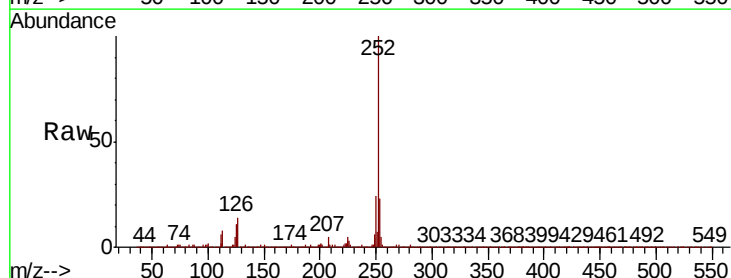
Tgt Ion:252 Resp: 1993537

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

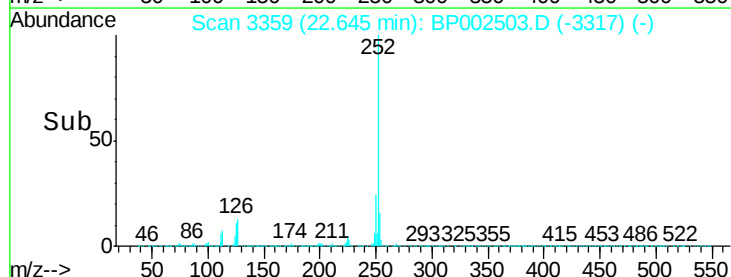
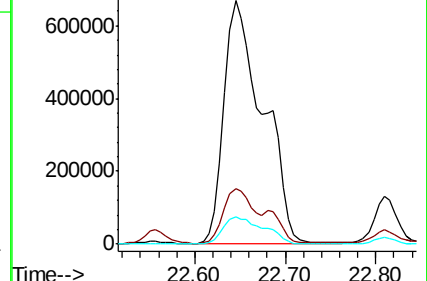
125 11.1 7.8 11.8

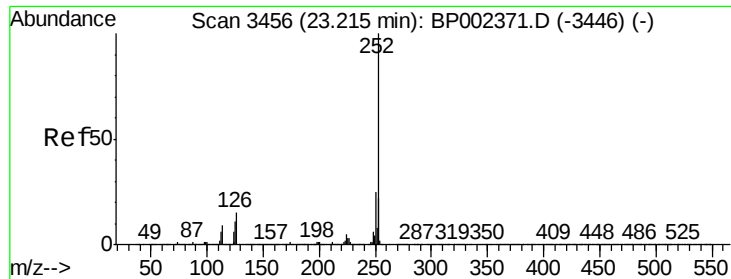


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 27.237 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

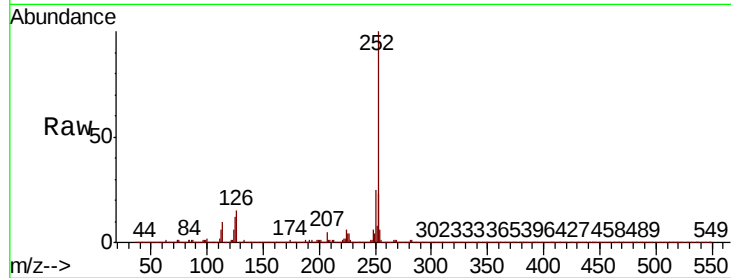
Tot Ion:252 Resp: 1100449

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

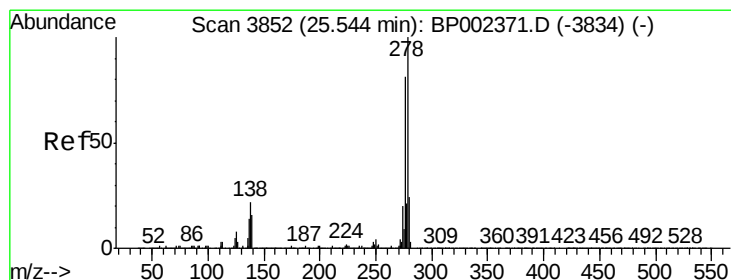
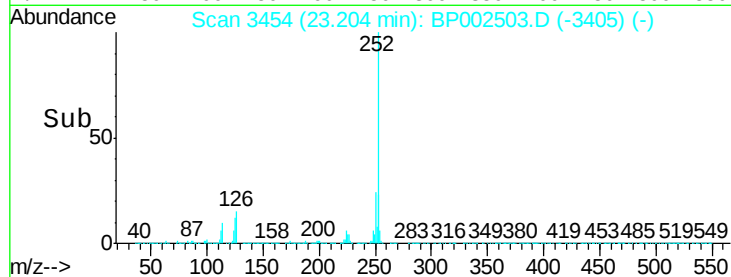
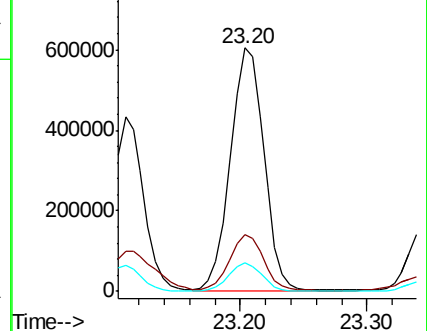
125 11.7 9.2 13.8



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



#91

Dibenzo(a,h)anthracene

Concen: 3.630 ng

RT: 25.77 min Scan# 3890

Delta R.T. 0.22 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

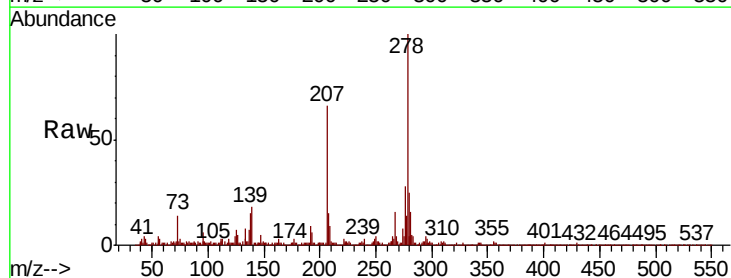
Tgt Ion:278 Resp: 145619

Ion Ratio Lower Upper

278 100

139 17.7 13.1 19.7

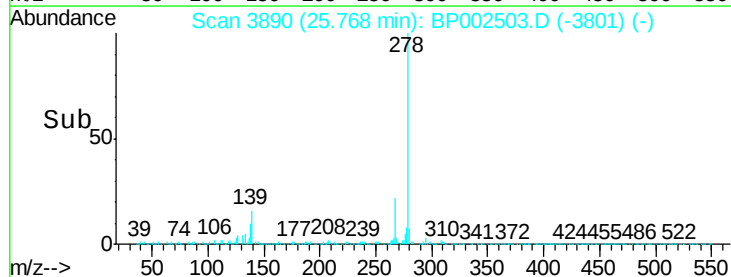
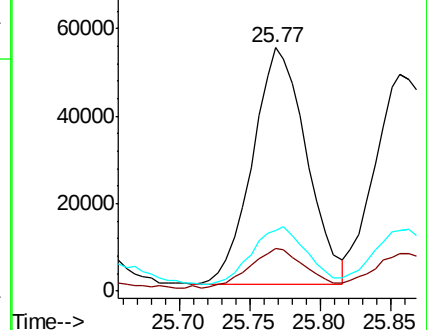
279 24.7 18.9 28.3

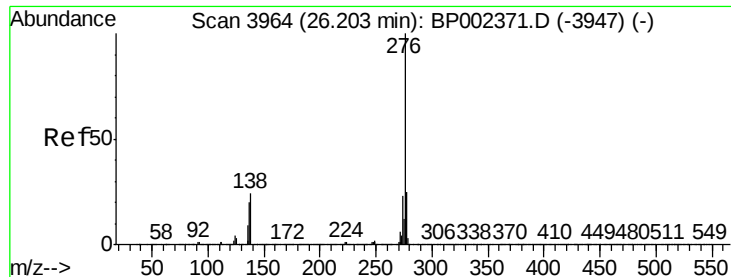


Abundance Ion 278.00 (277.70 to 278.70): E

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: 18.278 ng

RT: 26.19 min Scan# 3962

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

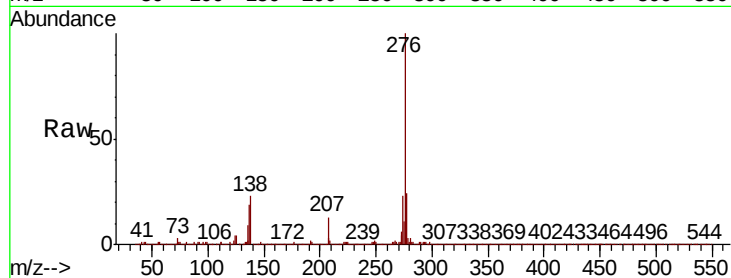
Tot Ion: 276 Resp: 759337

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.6

138 23.4 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

