

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
 Data File : BP002312.D
 Acq On : 28 May 2020 16:33
 Operator : CG/JU
 Sample : L2744-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NM78-COMP-2020-0-6

Quant Time: May 29 02:37:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 11:01:43 2020
 Response via : Initial Calibration

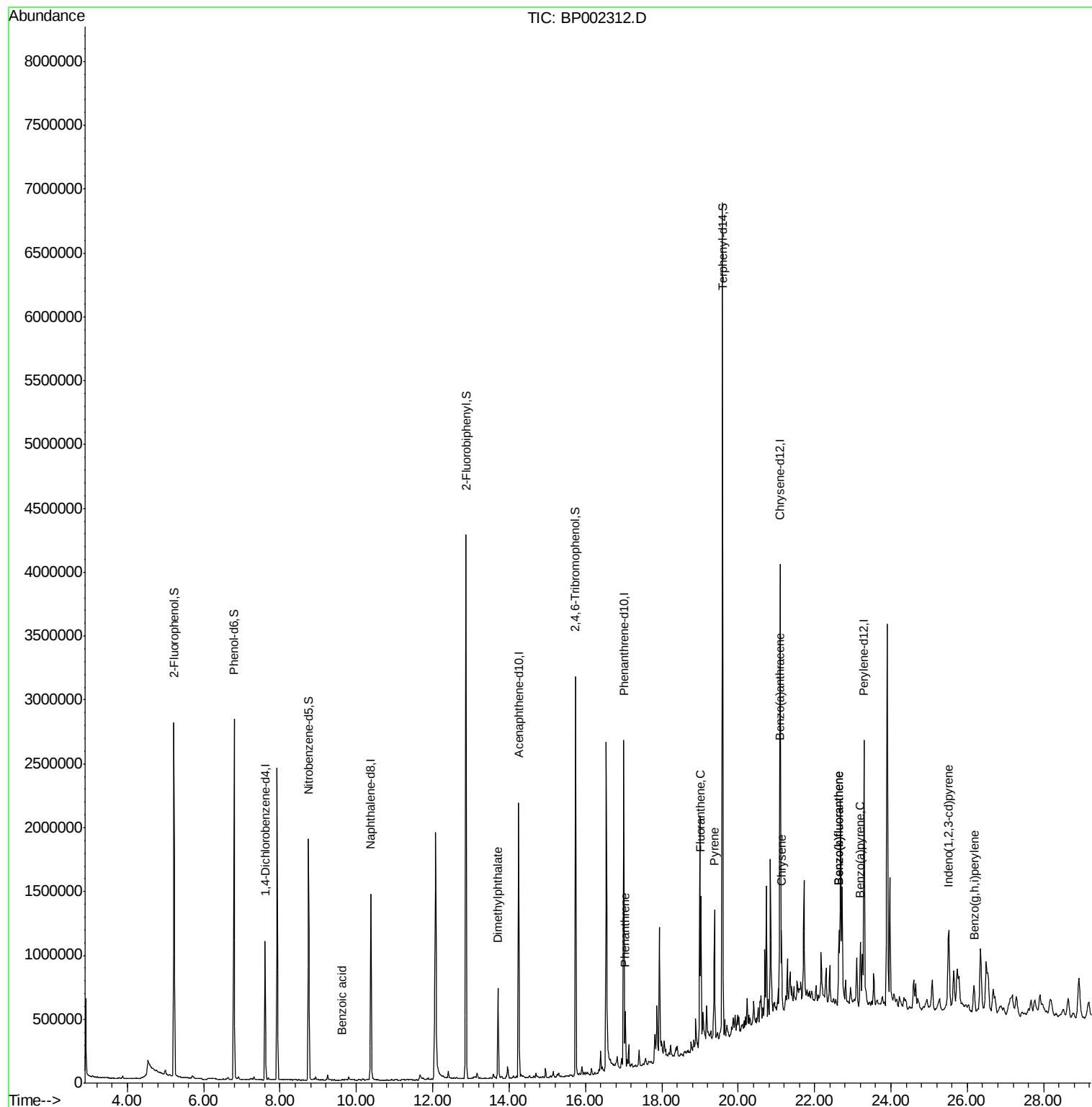
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	285596	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	1173302	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	696001	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1464750	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1351745	20.00	ng	0.00
86) Perylene-d12	23.30	264	1419383	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1207218	79.39	ng	0.00
7) Phenol-d6	6.79	99	1666005	80.54	ng	0.00
23) Nitrobenzene-d5	8.75	82	1074649	55.07	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	532515	80.73	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2269509	57.54	ng	0.00
79) Terphenyl-d14	19.59	244	3110042	55.72	ng	0.00
Target Compounds						
32) Benzoic acid	9.63	122	327	4.835	ng	90
50) Dimethylphthalate	13.71	163	427345	9.071	ng	100
71) Phenanthrene	17.04	178	234598	3.381	ng	98
75) Fluoranthene	19.02	202	621646	7.779	ng	99
78) Pyrene	19.37	202	596749	7.090	ng	99
81) Benzo(a)anthracene	21.08	228	351477	4.542	ng	98
83) Chrysene	21.13	228	328265	4.420	ng	97
87) Indeno(1,2,3-cd)pyrene	25.50	276	240661	2.739	ng	96
88) Benzo(b)fluoranthene	22.64	252	482644	6.237	ng	# 97
89) Benzo(k)fluoranthene	22.64	252	482644	6.499	ng	# 97
90) Benzo(a)pyrene	23.20	252	343974	4.792	ng	# 97
92) Benzo(a,h,i)perylene	26.17	276	240513	3.292	ng	# 91

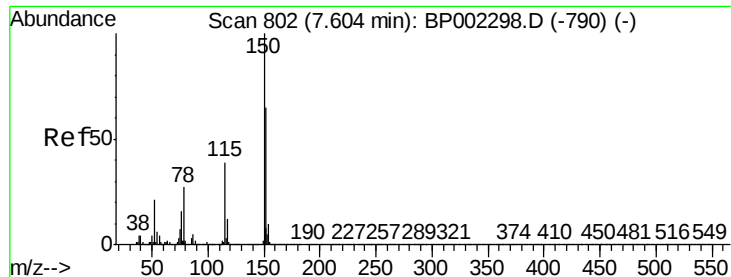
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002312.D
Acq On : 28 May 2020 16:33
Operator : CG/JU
Sample : L2744-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

Quant Time: May 29 02:37:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 11:01:43 2020
Response via : Initial Calibration



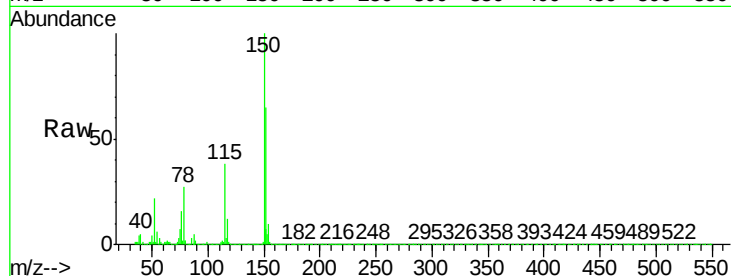


#1

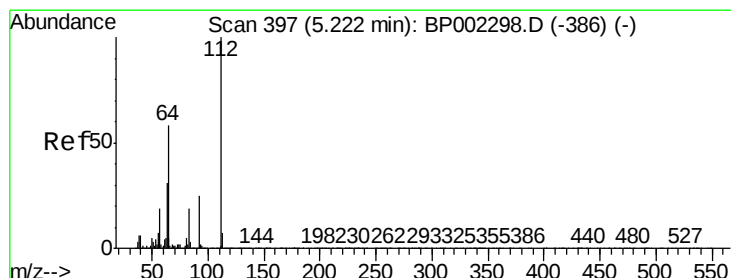
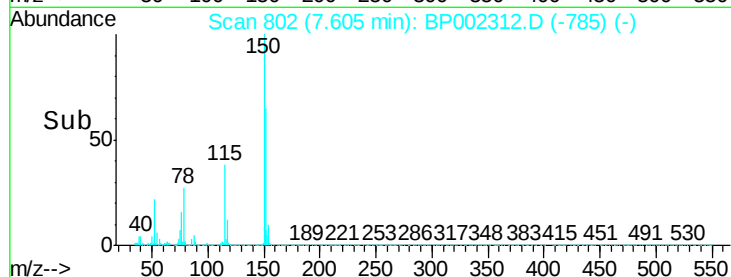
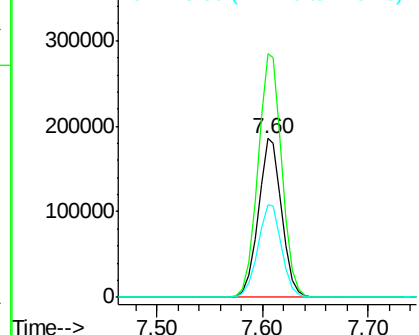
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.7	187.1
115	58.6	49.4	74.2



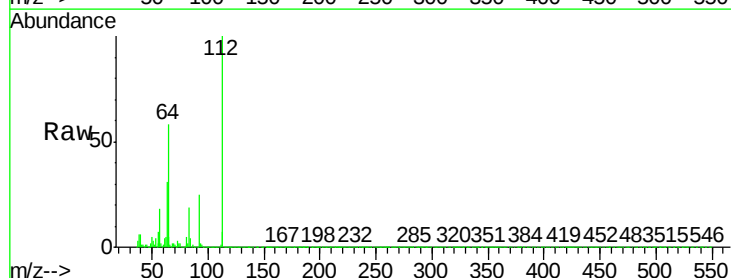
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



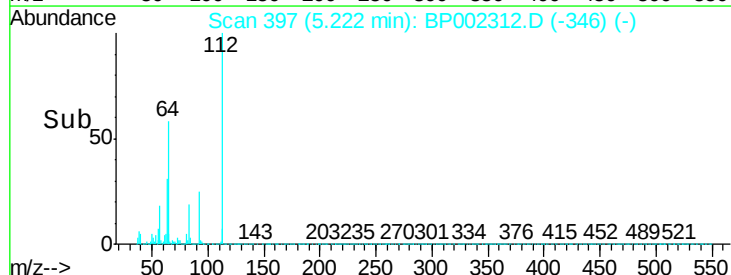
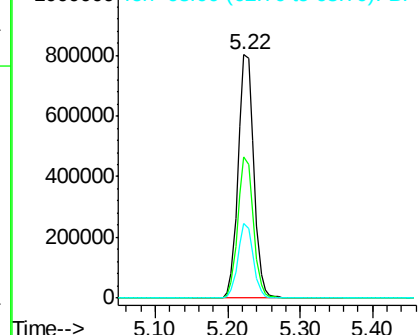
#5

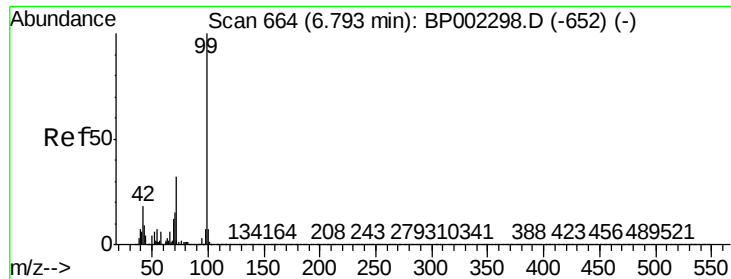
2-Fluorophenol
Concen: 79.389 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.0	70.4
63	30.7	24.0	36.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 80.539 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.01 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

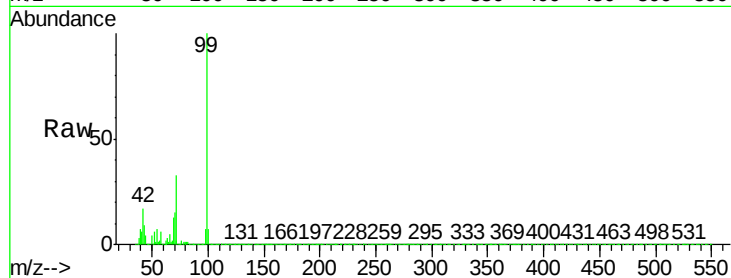
Tot Ion: 99 Resp: 1666005

Ion Ratio Lower Upper

99 100

42 17.4 13.9 20.9

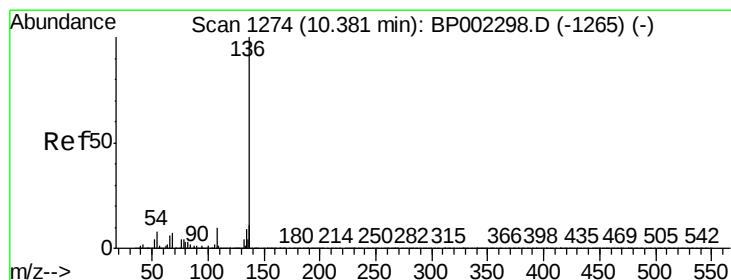
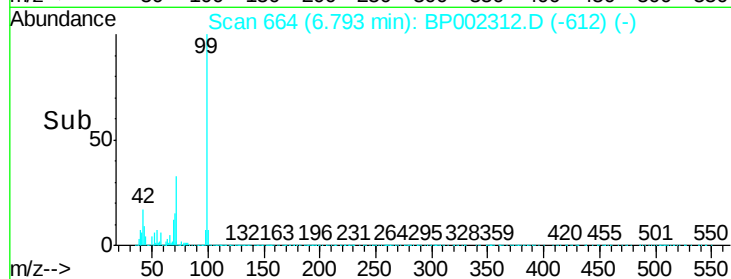
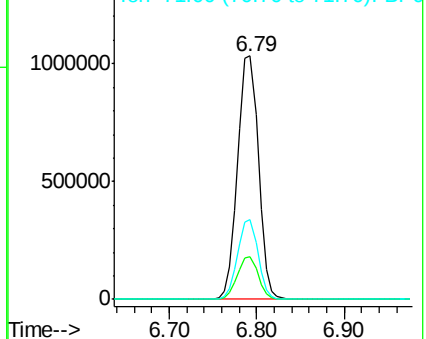
71 32.8 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Tgt Ion: 136 Resp: 1173302

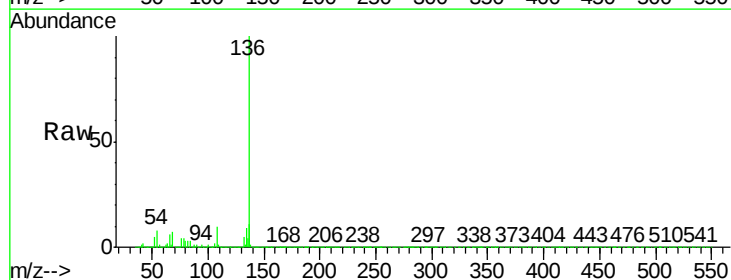
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.3 6.9 10.3

68 7.2 5.6 8.4

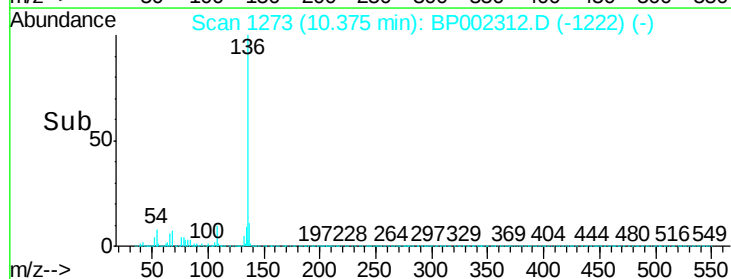
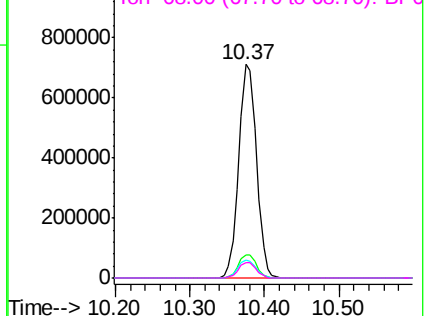


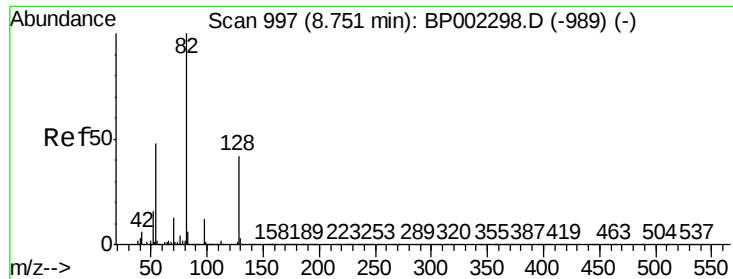
Abundance Ion 136.00 (135.70 to 136.70): E

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

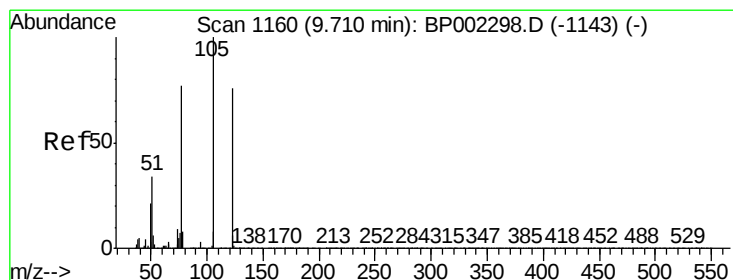
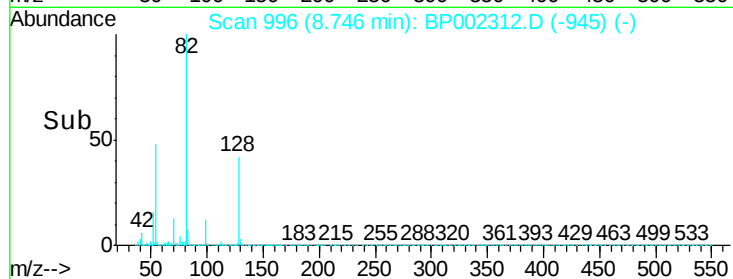
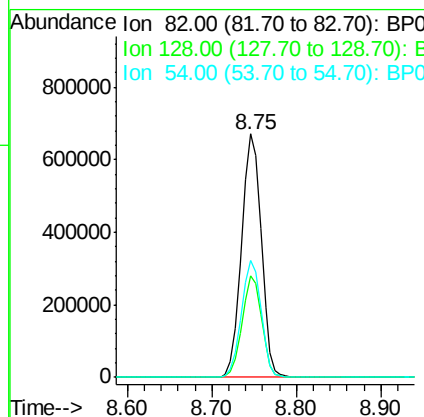
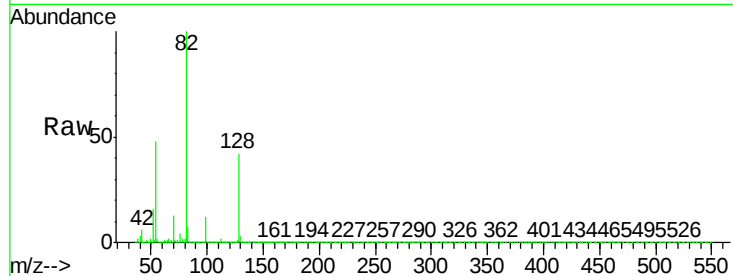




#23
 Nitrobenzene-d5
 Concen: 55.067 ng
 RT: 8.75 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BP002312.D
 Acq: 28 May 2020 16:33

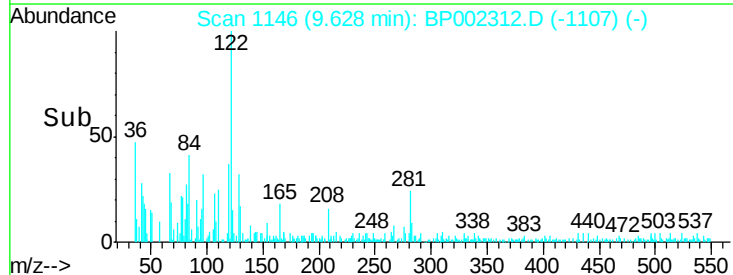
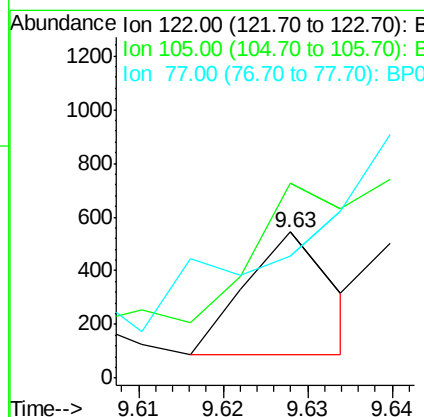
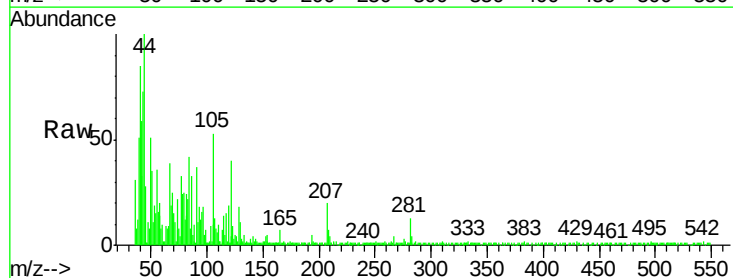
Instrument :
 BNA_P
 ClientSampleId :
 NM78-COMP-2020-0-6

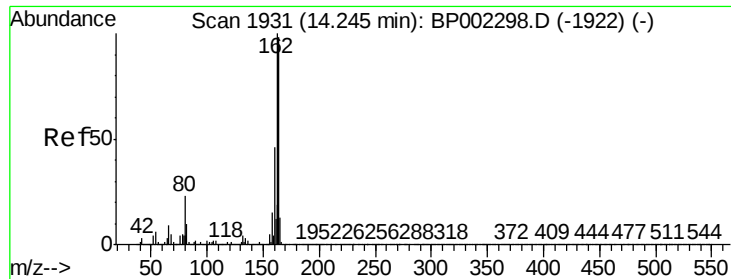
Tot Ion: 82 Resp: 1074649
 Ion Ratio Lower Upper
 82 100
 128 41.7 33.4 50.0
 54 47.9 38.3 57.5



#32
 Benzoic acid
 Concen: 4.835 ng
 RT: 9.63 min Scan# 1146
 Delta R.T. -0.07 min
 Lab File: BP002312.D
 Acq: 28 May 2020 16:33

Tgt Ion: 122 Resp: 327
 Ion Ratio Lower Upper
 122 100
 105 133.0 102.7 142.7
 77 83.5 74.8 114.8

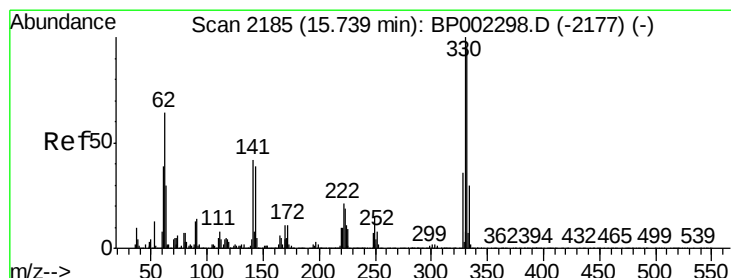
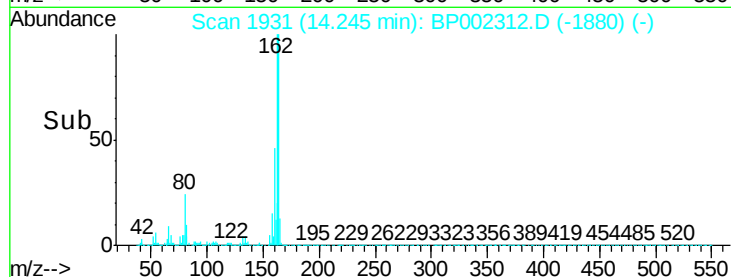
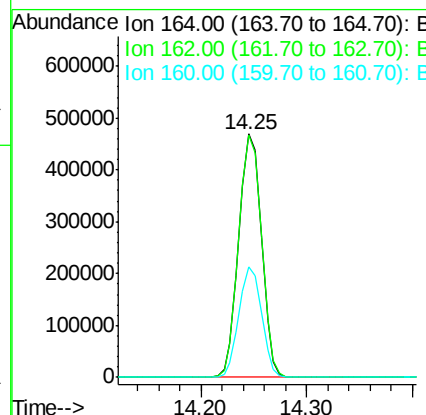
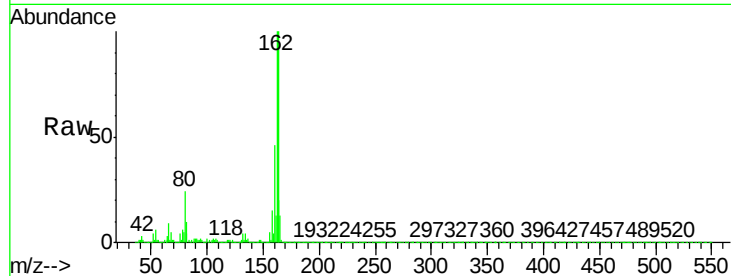




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

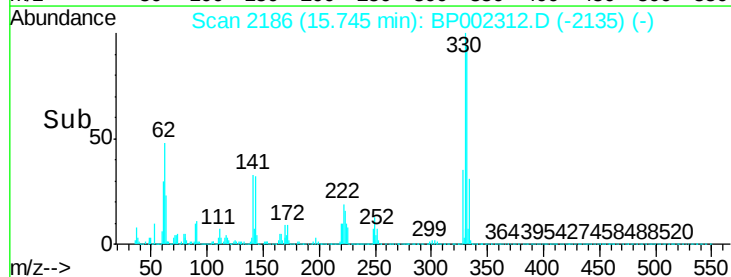
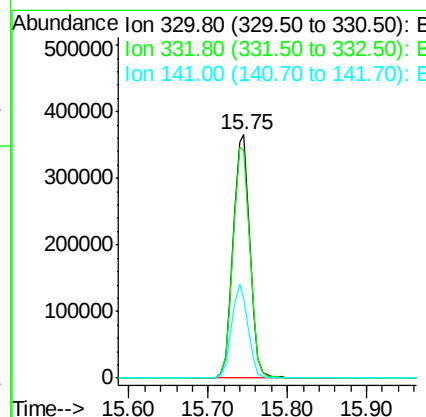
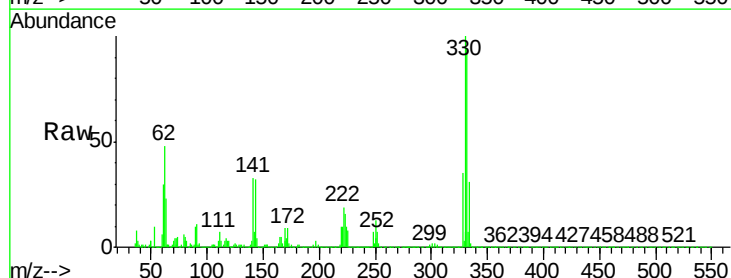
Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

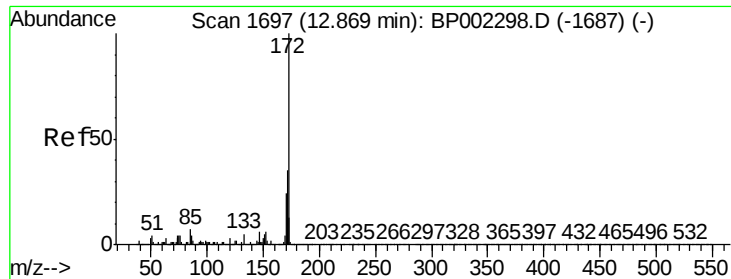
Tot Ion:164 Resp: 696001
Ion Ratio Lower Upper
164 100
162 99.5 81.3 121.9
160 45.6 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 80.728 ng
RT: 15.75 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Tgt Ion:330 Resp: 532515
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 37.7 31.4 47.2

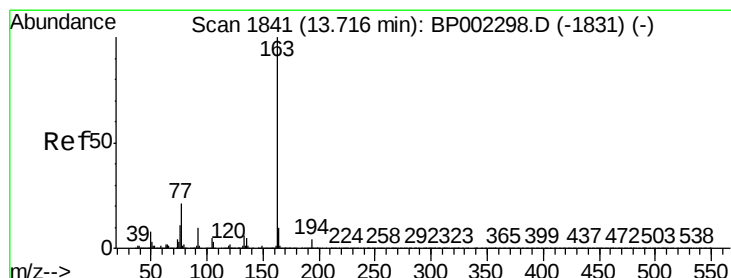
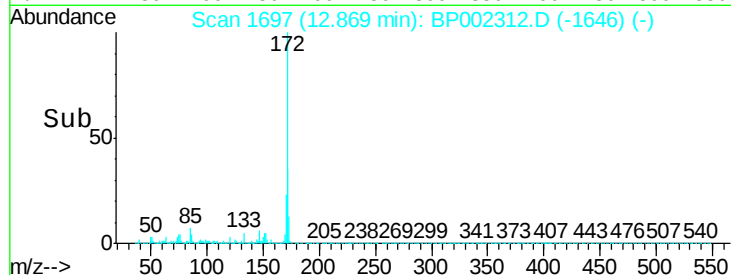
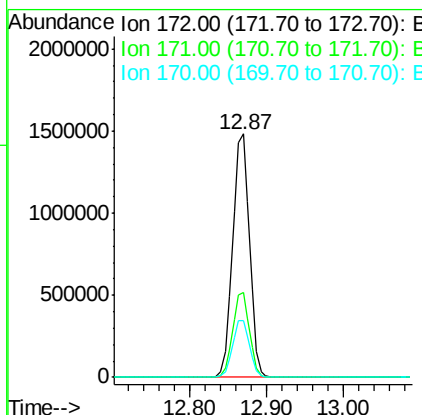
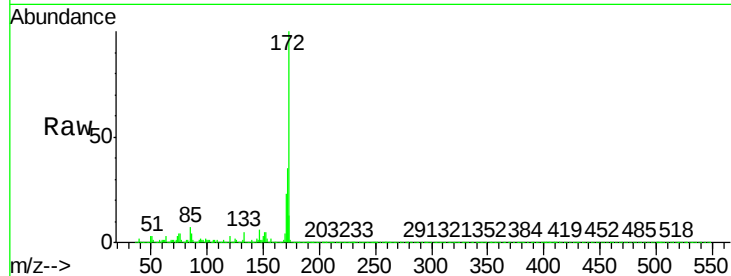




#45
2-Fluorobiphenyl
Concen: 57.538 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

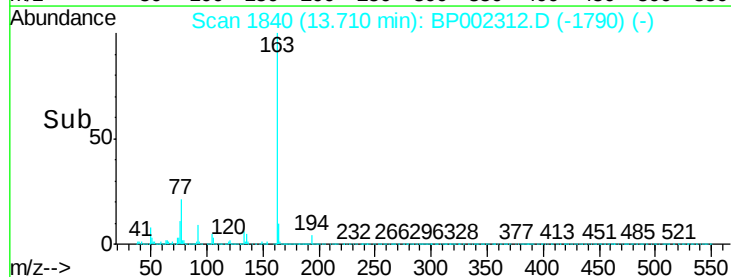
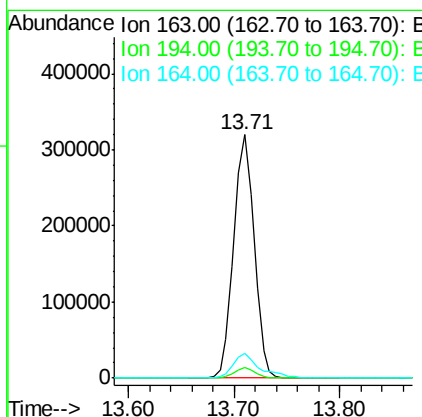
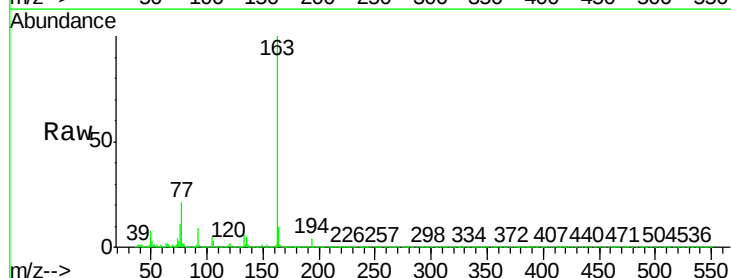
Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

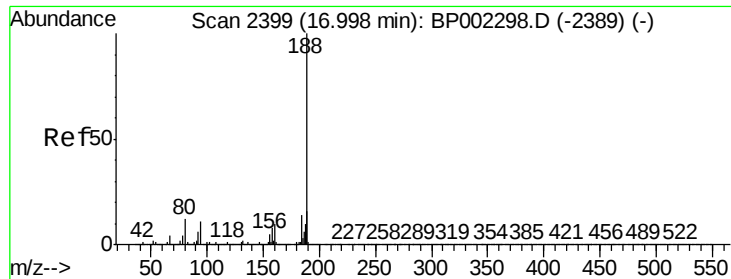
Tot Ion:172 Resp: 2269509
Ion Ratio Lower Upper
172 100
171 34.7 27.6 41.4
170 23.4 18.9 28.3



#50
Dimethylphthalate
Concen: 9.071 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Tgt Ion:163 Resp: 427345
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.1 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

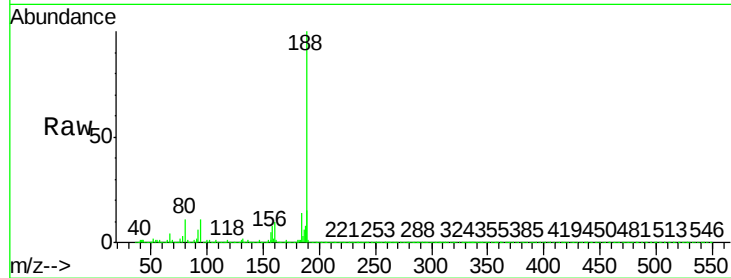
Tot Ion:188 Resp: 1464750

Ion Ratio Lower Upper

188 100

94 11.0 8.7 13.1

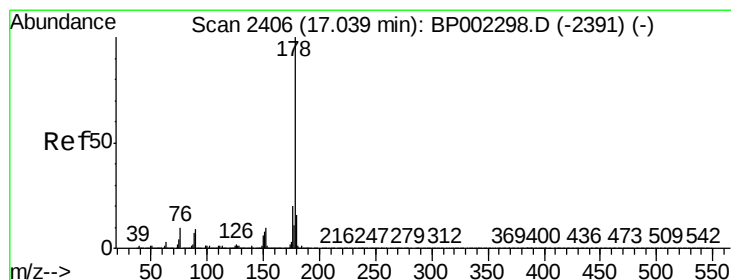
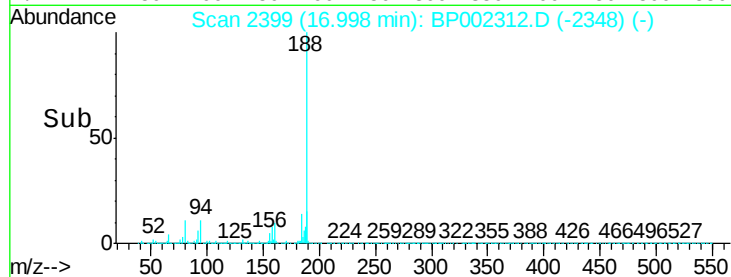
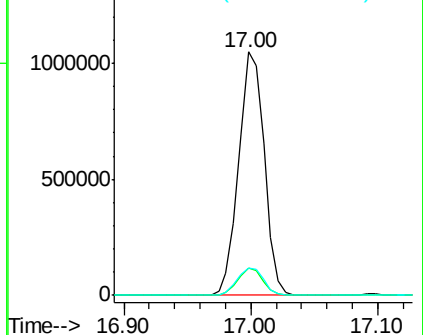
80 11.4 9.3 13.9



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: 3.381 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

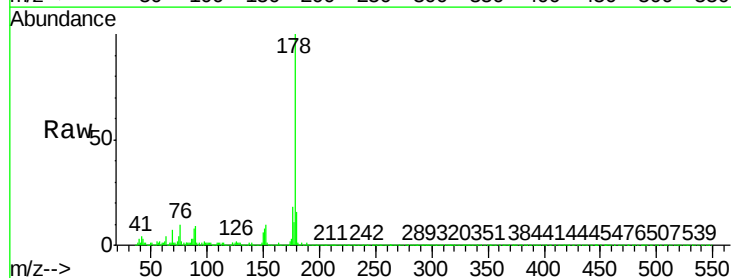
Tgt Ion:178 Resp: 234598

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

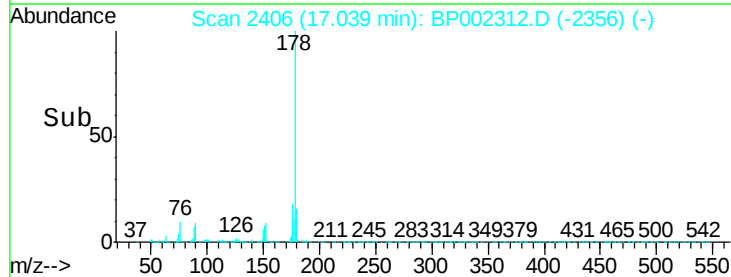
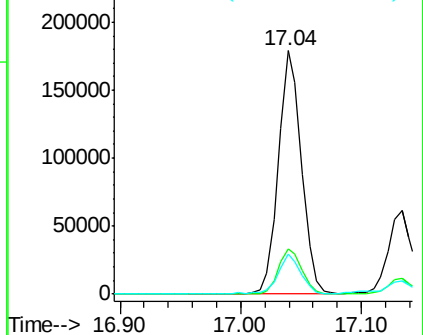
179 16.4 12.6 18.8

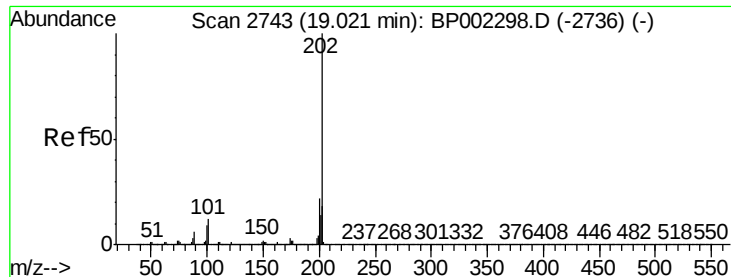


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.779 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

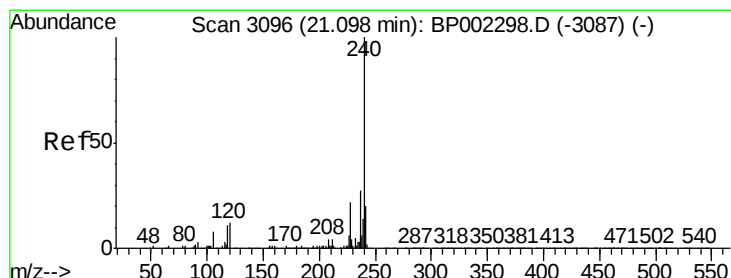
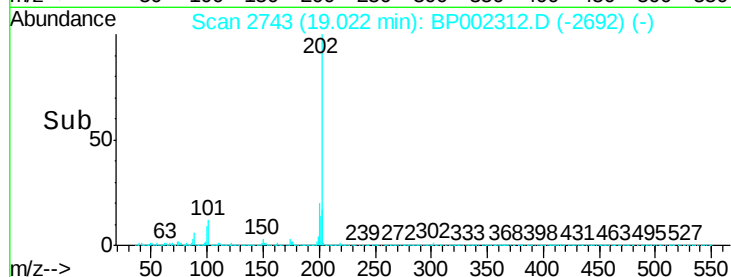
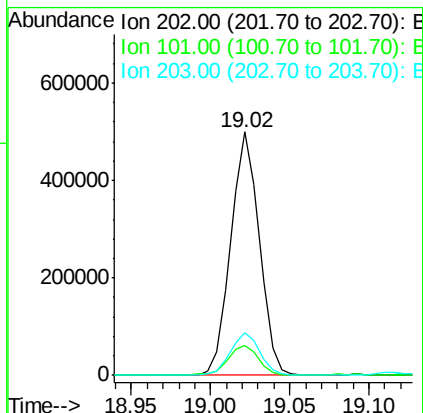
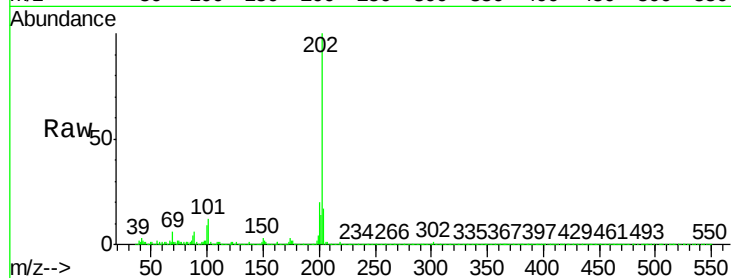
Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

Tot Ion:	202	Resp:	621646
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.1
203	17.3	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

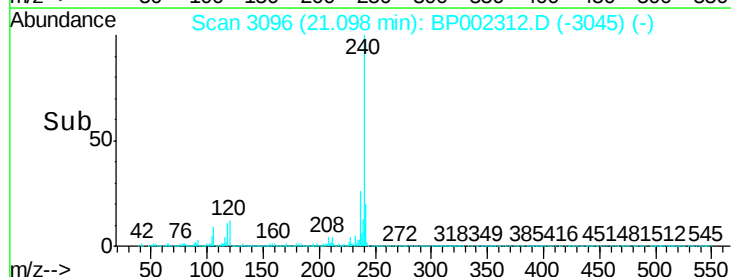
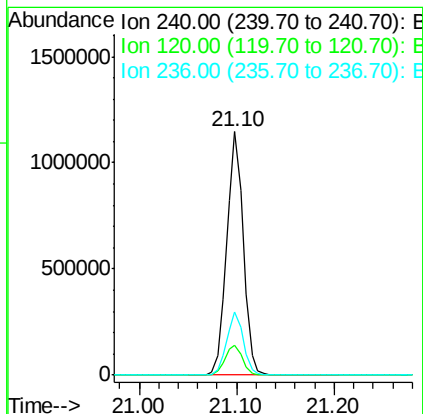
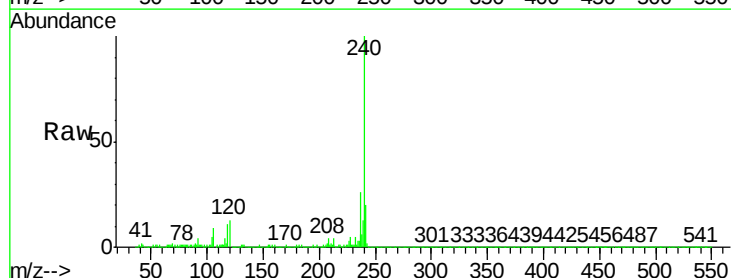
RT: 21.10 min Scan# 3096

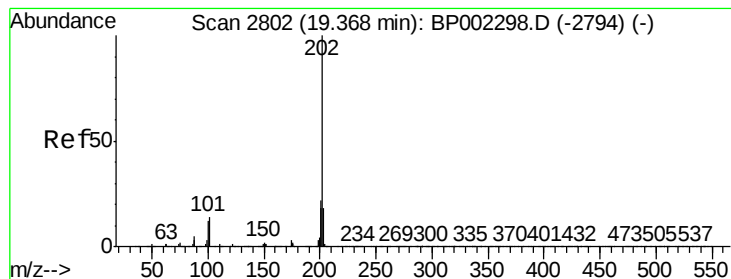
Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Tgt Ion:	240	Resp:	1351745
Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.7	13.1
236	26.1	21.0	31.4





#78

Pvrene

Concen: 7.090 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.01 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

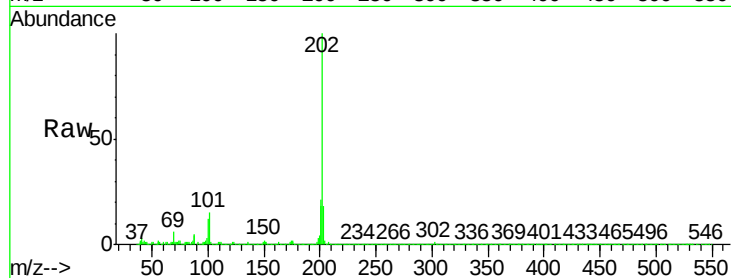
Tot Ion:202 Resp: 596749

Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

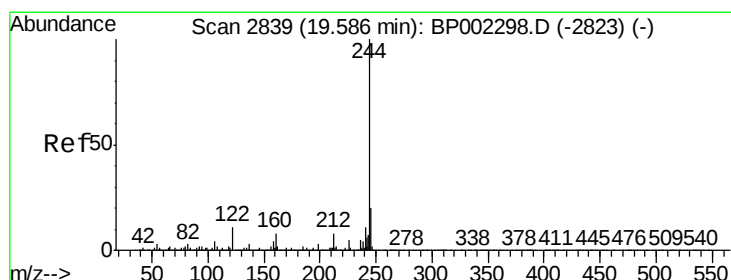
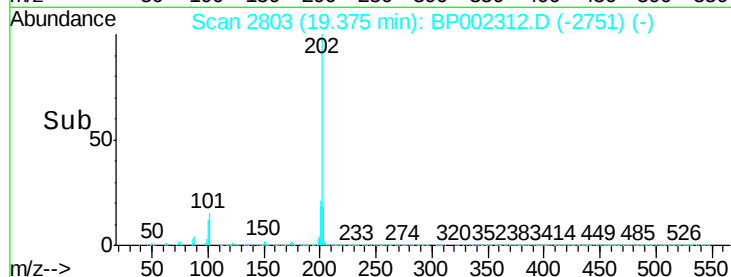
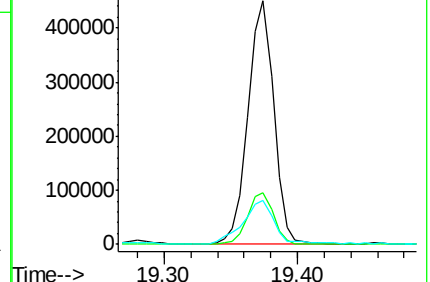
203 18.2 13.8 20.6



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: 55.718 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

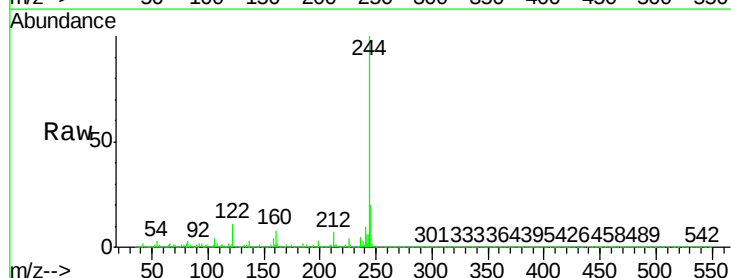
Tgt Ion:244 Resp: 3110042

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

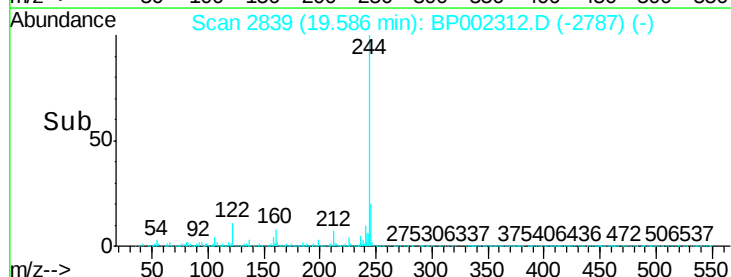
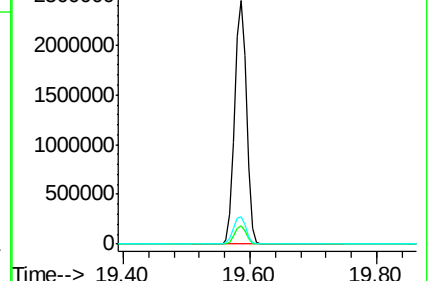
122 11.1 9.4 14.0

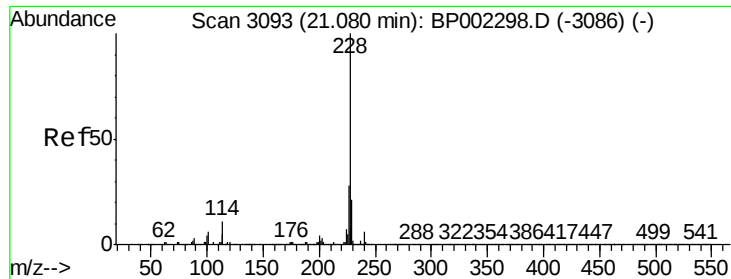


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

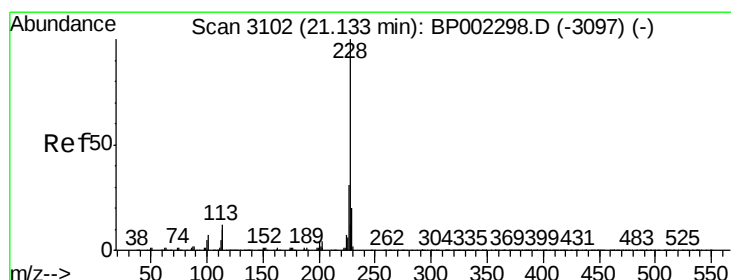
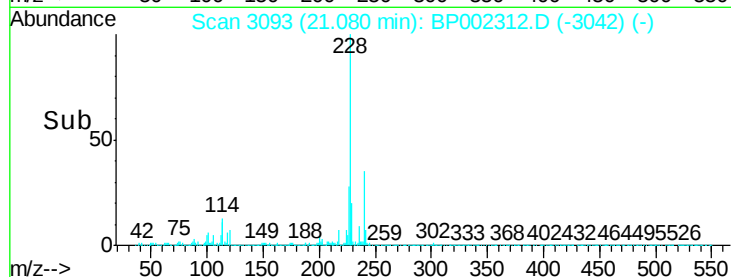
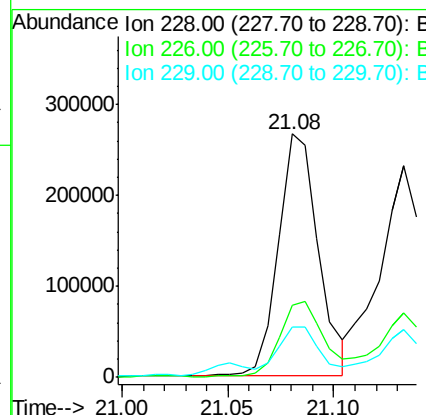
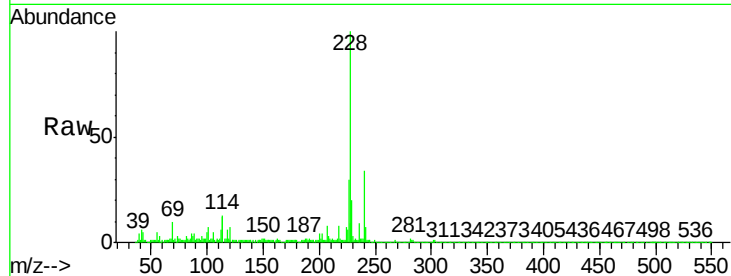




#81
Benzo(a)anthracene
Concen: 4.542 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

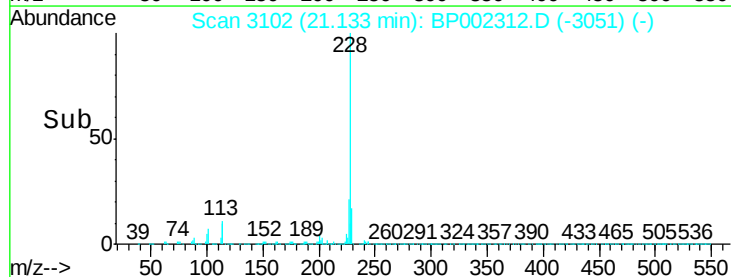
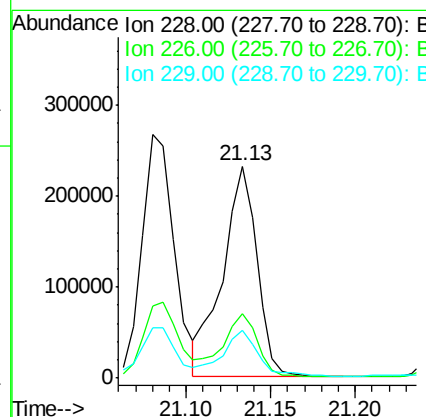
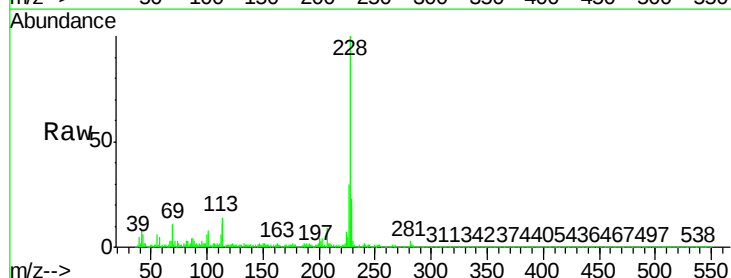
Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

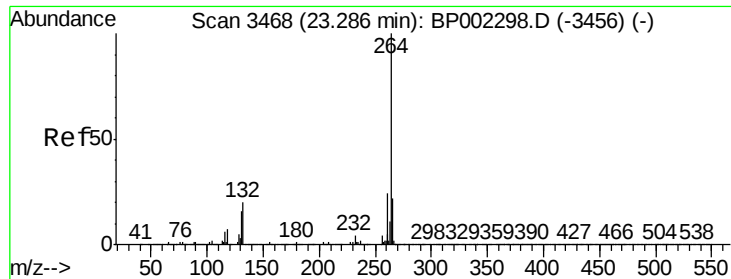
Tot Ion:228 Resp: 351477
Ion Ratio Lower Upper
228 100
226 29.9 22.7 34.1
229 20.5 16.3 24.5



#83
Chrysene
Concen: 4.420 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.00 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Tgt Ion:228 Resp: 328265
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.8 16.2 24.4



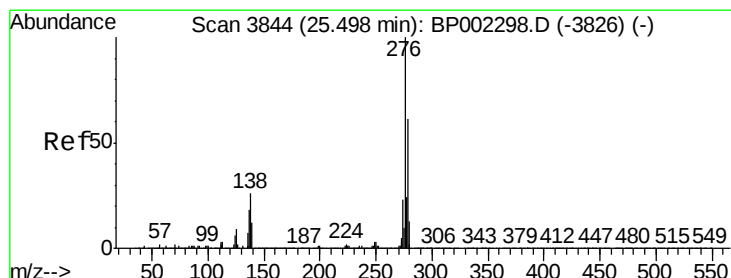
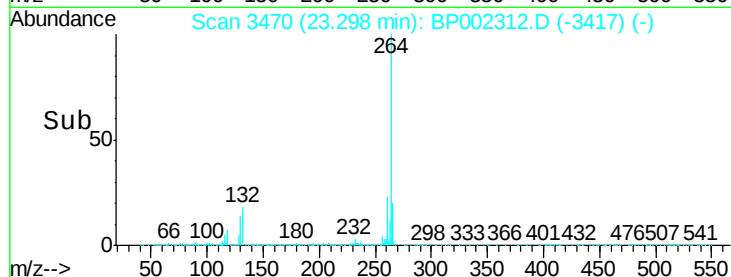
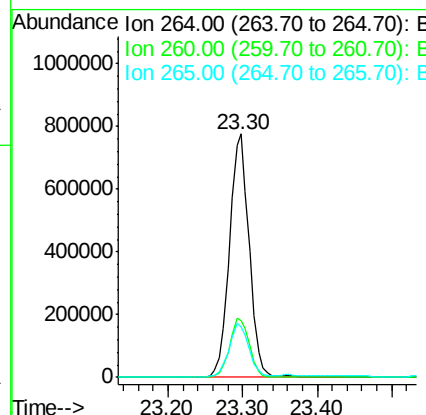
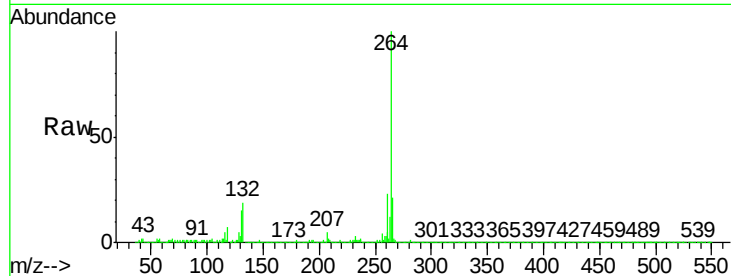


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Instrument :
BNA_P
ClientSampleId :
NM78-COMP-2020-0-6

Tot Ion:264 Resp: 1419383

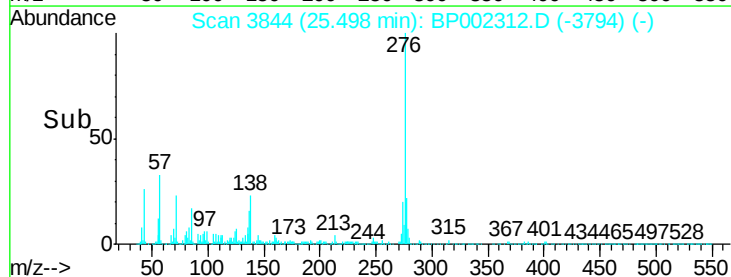
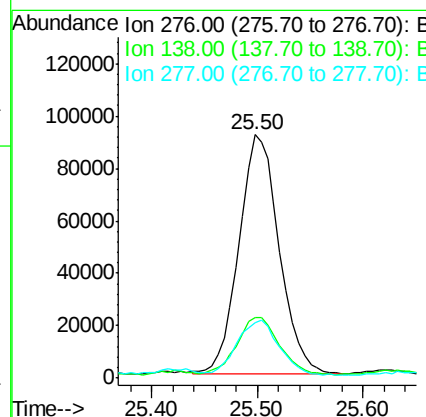
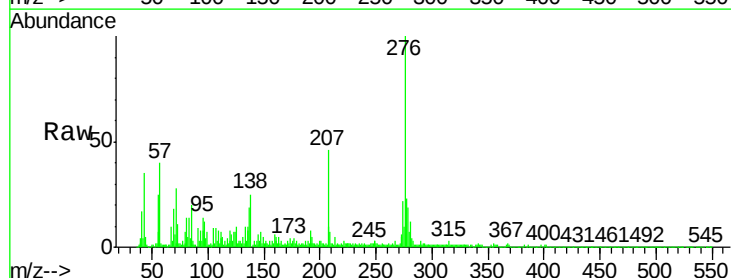
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	20.6	17.8	26.6

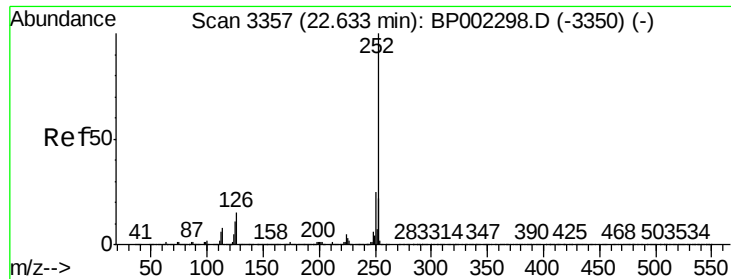


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.739 ng
RT: 25.50 min Scan# 3844
Delta R.T. -0.01 min
Lab File: BP002312.D
Acq: 28 May 2020 16:33

Tgt Ion:276 Resp: 240661

Ion	Ratio	Lower	Upper
276	100		
138	25.8	18.2	27.4
277	24.4	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 6.237 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

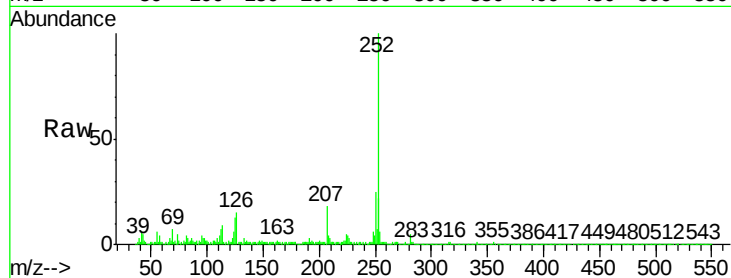
Tot Ion:252 Resp: 482644

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

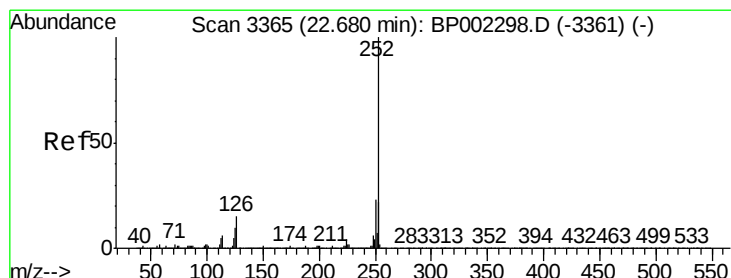
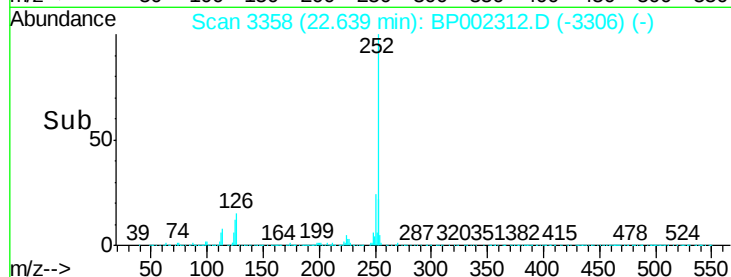
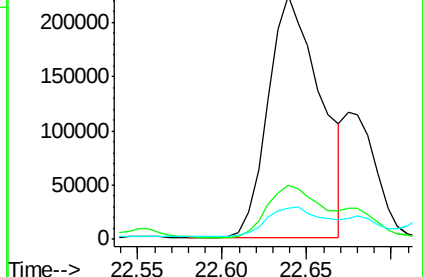
125 12.8 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.499 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

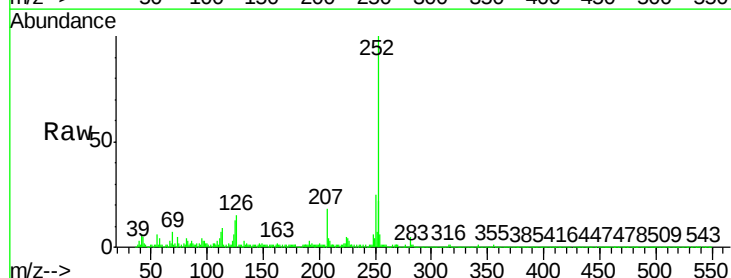
Tgt Ion:252 Resp: 482644

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

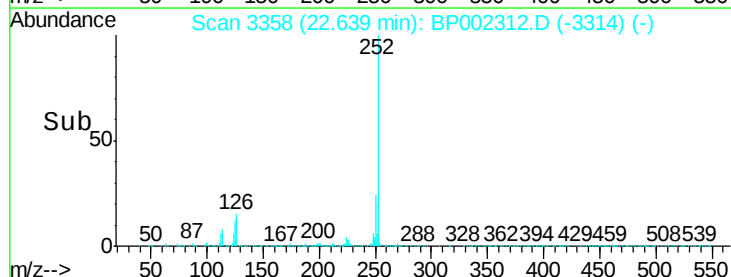
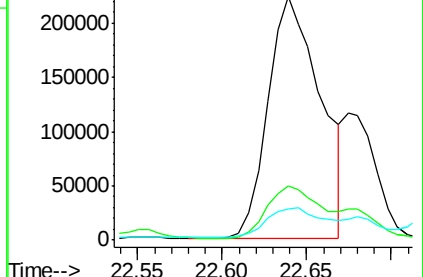
125 12.8 7.4 11.2#

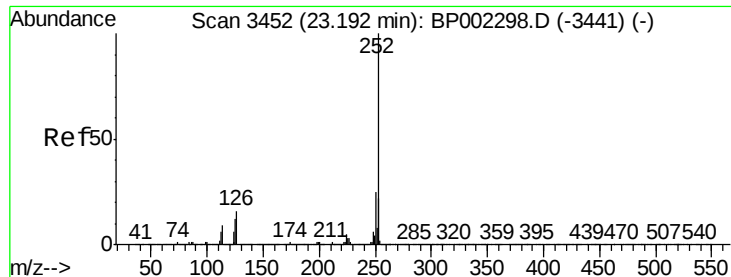


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.792 ng

RT: 23.20 min Scan# 3453

Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

Instrument :

BNA_P

ClientSampleId :

NM78-COMP-2020-0-6

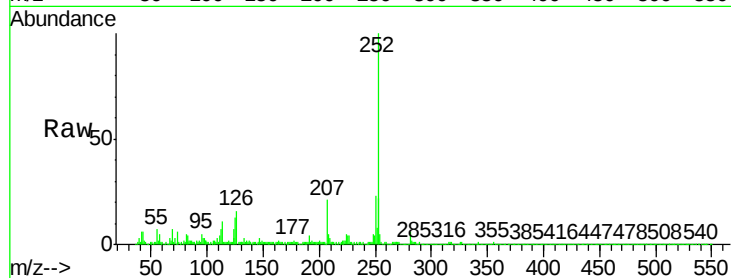
Tot Ion:252 Resp: 343974

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

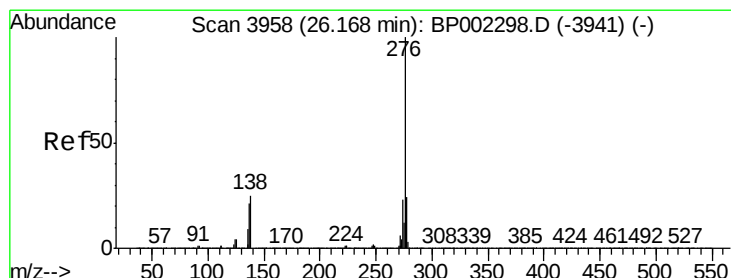
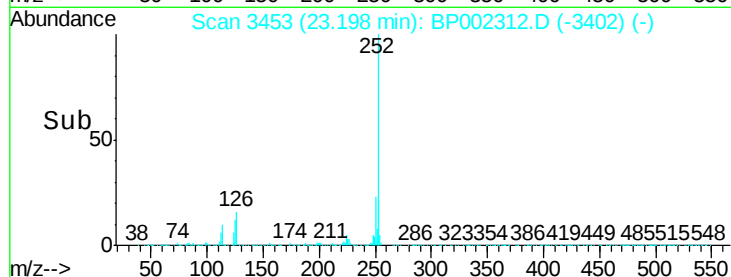
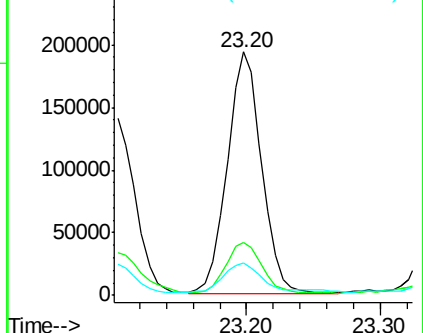
125 13.1 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.292 ng

RT: 26.17 min Scan# 3959

Delta R.T. -0.00 min

Lab File: BP002312.D

Acq: 28 May 2020 16:33

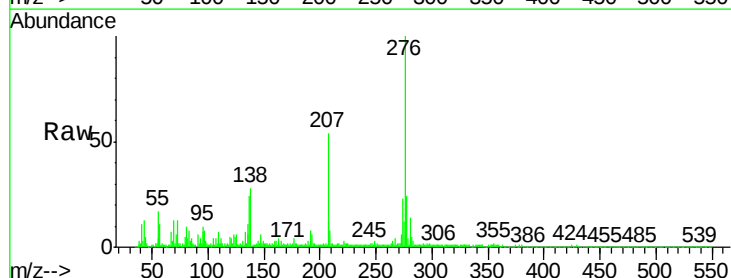
Tgt Ion:276 Resp: 240513

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 28.0 16.0 24.0#



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

