

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
 Data File : BP002321.D
 Acq On : 29 May 2020 18:36
 Operator : CG/JU
 Sample : L2773-21 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 30 00:45:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

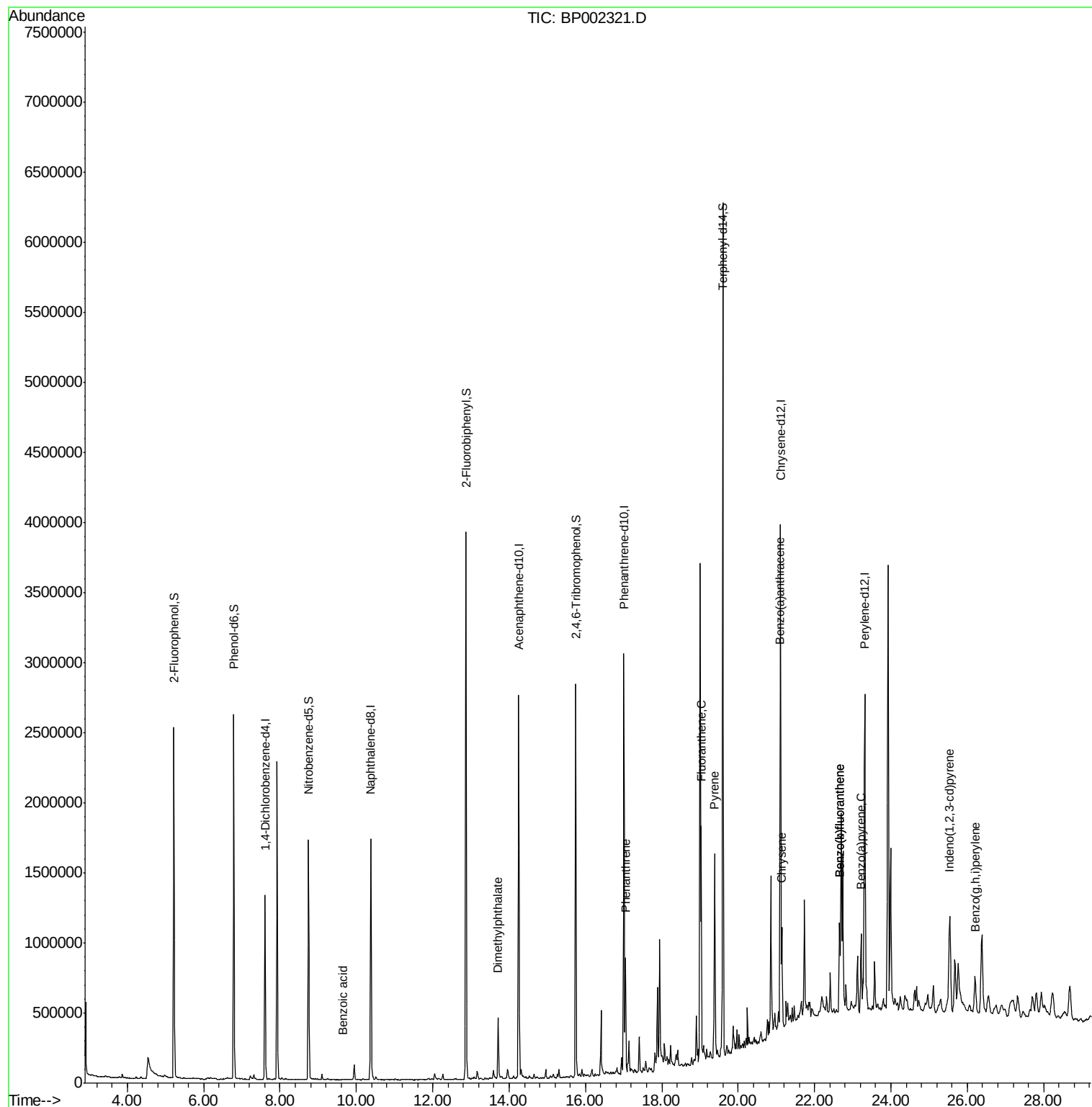
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	337732	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	1435034	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	837237	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1723216	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1565437	20.00	ng	0.00
86) Perylene-d12	23.32	264	1582303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1065983	59.28	ng	0.00
7) Phenol-d6	6.79	99	1496415	61.17	ng	0.00
23) Nitrobenzene-d5	8.75	82	978263	40.99	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	477017	60.12	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2115369	44.58	ng	0.00
79) Terphenyl-d14	19.59	244	2765631	42.78	ng	0.00
Target Compounds						
32) Benzoic acid	9.63	122	485	4.840	ng	91
50) Dimethylphthalate	13.71	163	251701	4.441	ng	99
71) Phenanthrene	17.05	178	456873	5.597	ng	99
75) Fluoranthene	19.03	202	933608	9.931	ng	99
78) Pyrene	19.38	202	820364	8.416	ng	98
81) Benzo(a)anthracene	21.09	228	436411	4.870	ng	99
83) Chrysene	21.15	228	379339	4.411	ng	99
87) Indeno(1,2,3-cd)pyrene	25.53	276	266599	2.722	ng	96
88) Benzo(b)fluoranthene	22.66	252	713393	8.270	ng	# 97
89) Benzo(k)fluoranthene	22.66	252	713393	8.618	ng	# 97
90) Benzo(a)pyrene	23.22	252	390830	4.884	ng	# 97
92) Benzo(a,h,i)perylene	26.20	276	275543	3.383	ng	# 93

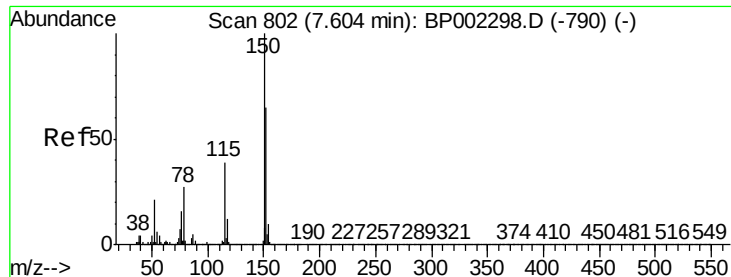
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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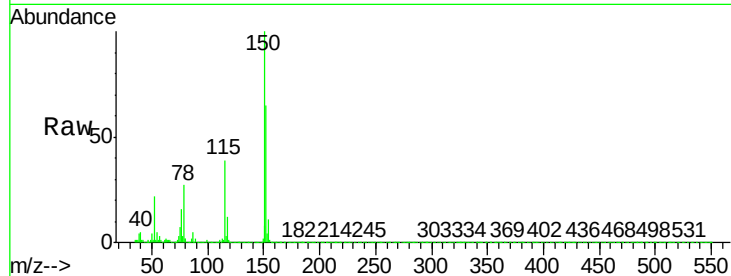


#1

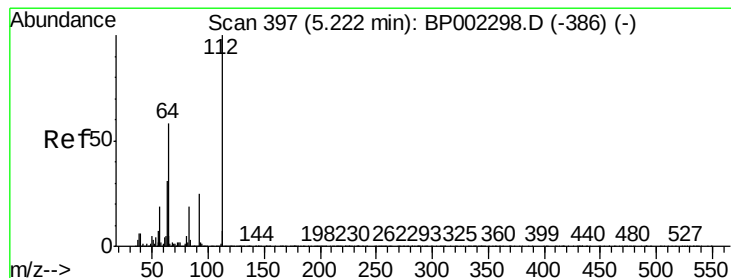
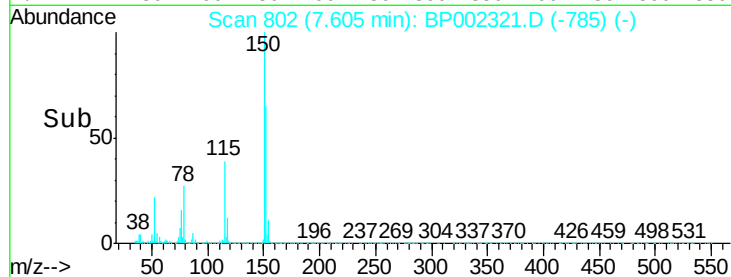
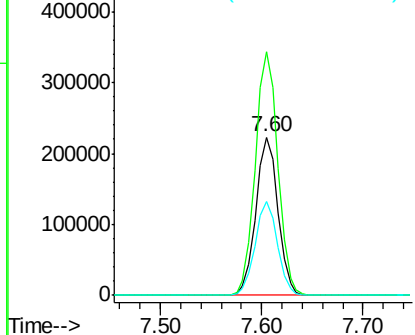
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Instrument :
BNA_P
ClientSampleId :

Tot Ion	152	Resp	337732
Ion Ratio	100	Lower	Upper
150	154.2	124.7	187.1
115	59.8	49.4	74.2



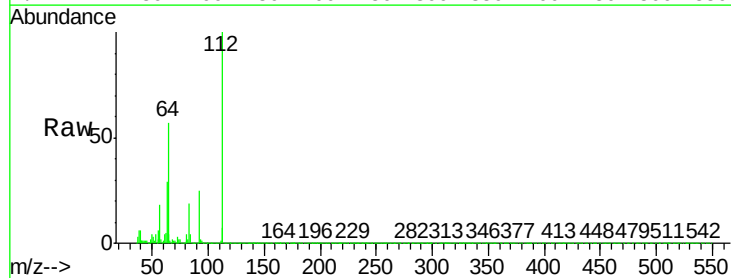
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



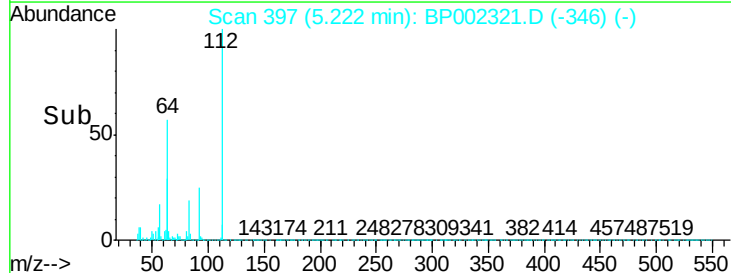
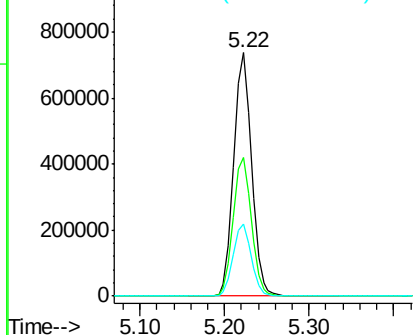
#5

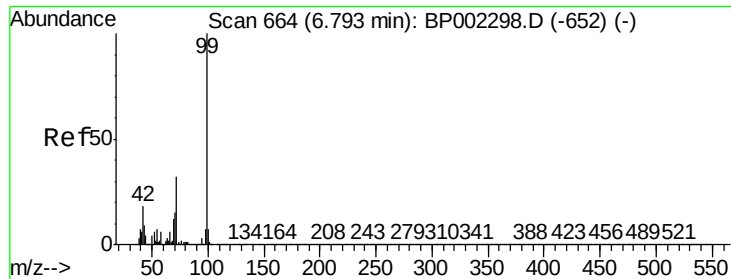
2-Fluorophenol
Concen: 59.279 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion	112	Resp	1065983
Ion Ratio	100	Lower	Upper
64	57.1	47.0	70.4
63	29.4	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: 61.173 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

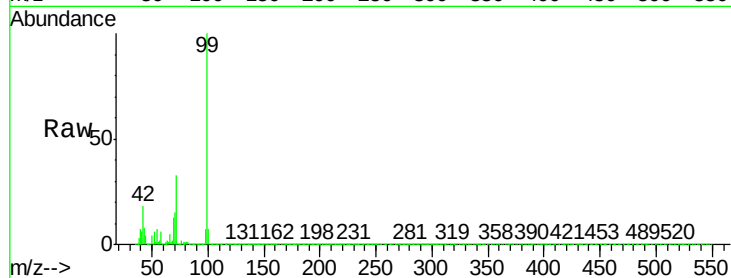
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1496415

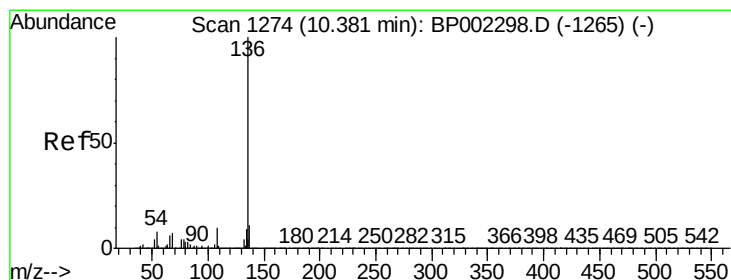
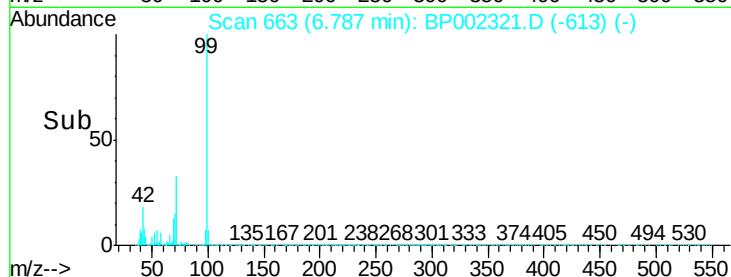
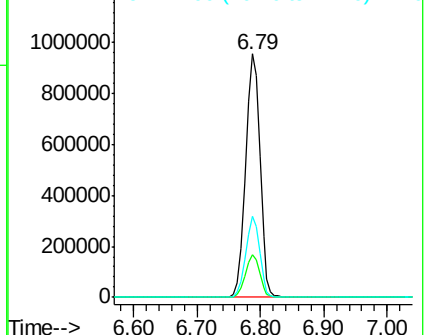
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.9	20.9
71	33.0	25.8	38.8



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

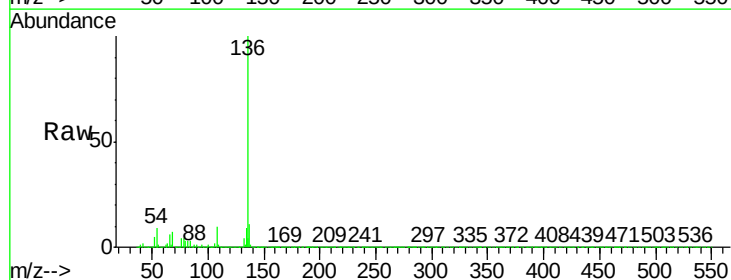
Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

Tgt Ion: 136 Resp: 1435034

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.6	6.9	10.3
68	7.1	5.6	8.4

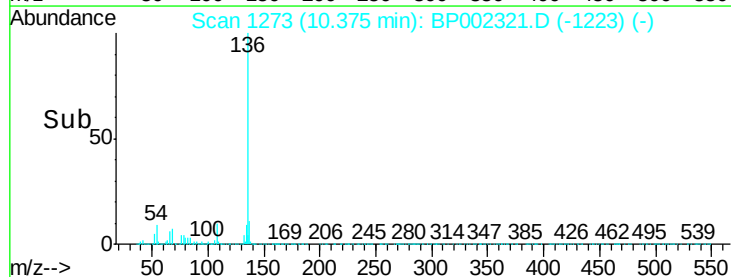
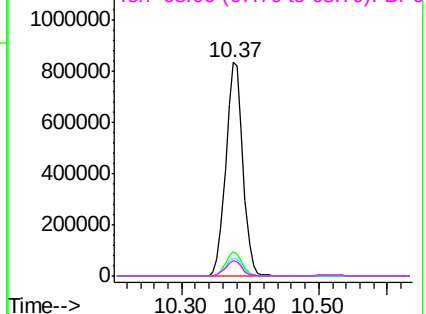


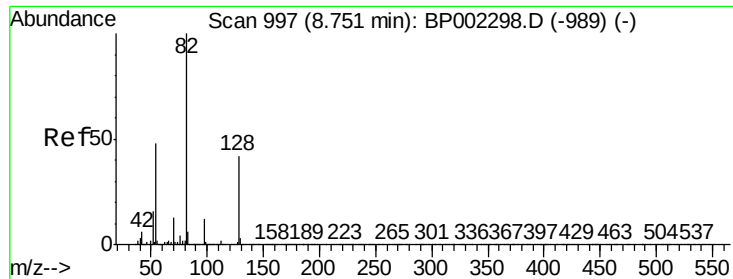
Abundance Ion 136.00 (135.70 to 136.70): E

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

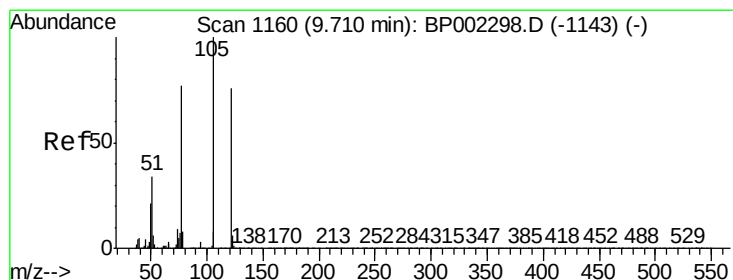
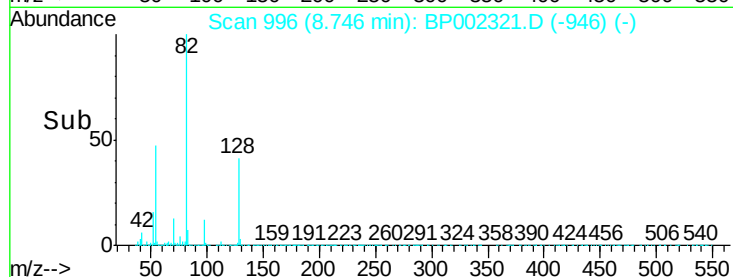
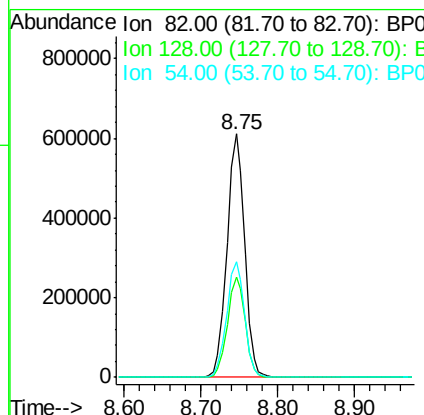
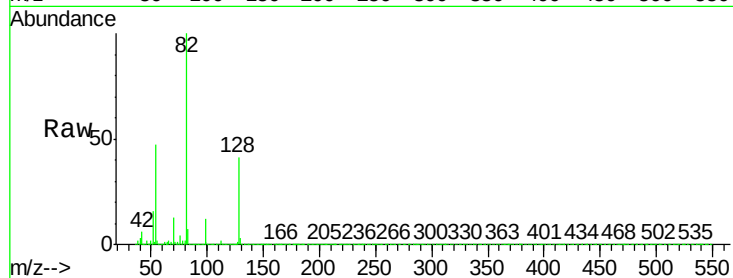




#23
 Nitrobenzene-d5
 Concen: 40.985 ng
 RT: 8.75 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: BP002321.D
 Acq: 29 May 2020 18:36

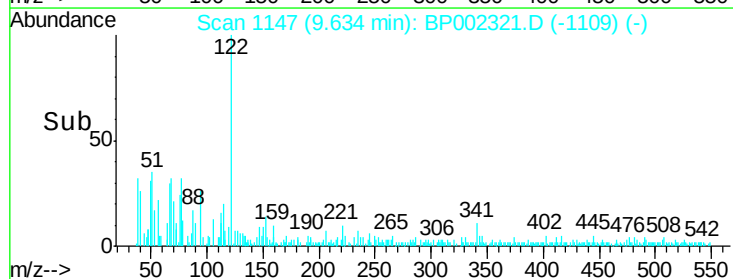
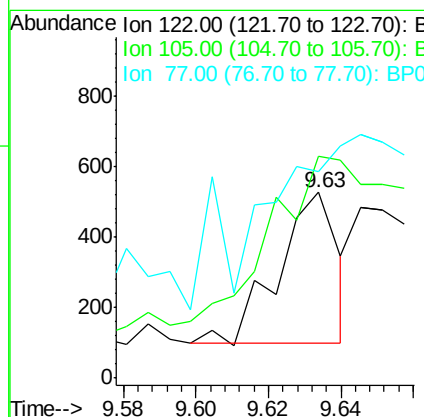
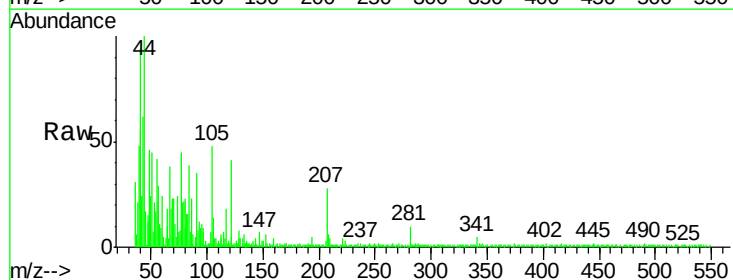
Instrument :
 BNA_P
 ClientSampleId :

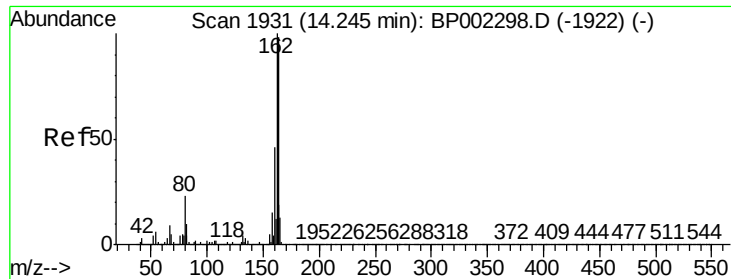
Tot Ion:	82	Resp:	978263
Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.4	50.0
54	47.4	38.3	57.5



#32
 Benzoic acid
 Concen: 4.840 ng
 RT: 9.63 min Scan# 1147
 Delta R.T. -0.08 min
 Lab File: BP002321.D
 Acq: 29 May 2020 18:36

Tgt Ion:	122	Resp:	485
Ion	Ratio	Lower	Upper
122	100		
105	119.2	102.7	142.7
77	111.4	74.8	114.8

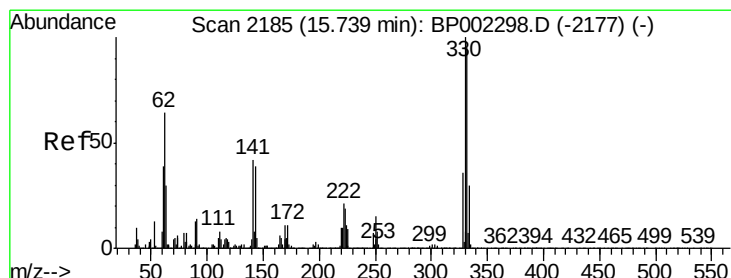
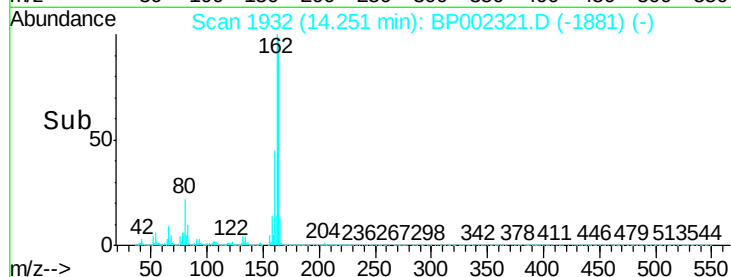
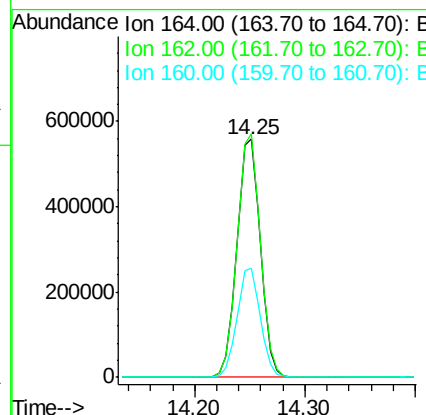
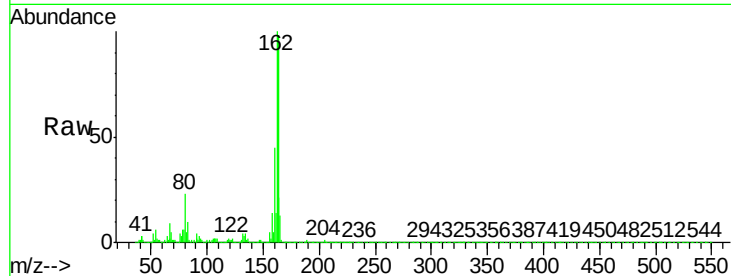




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

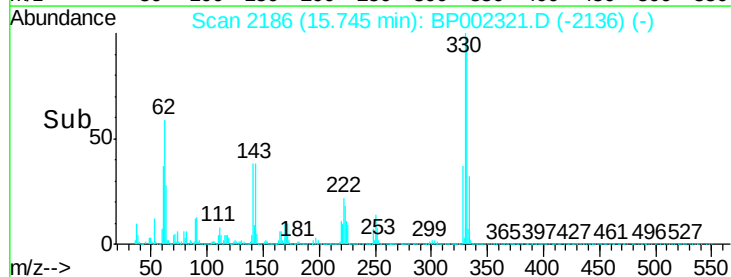
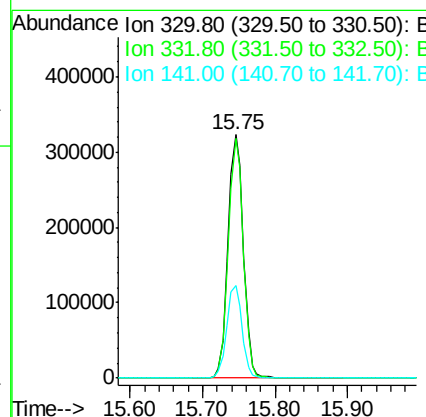
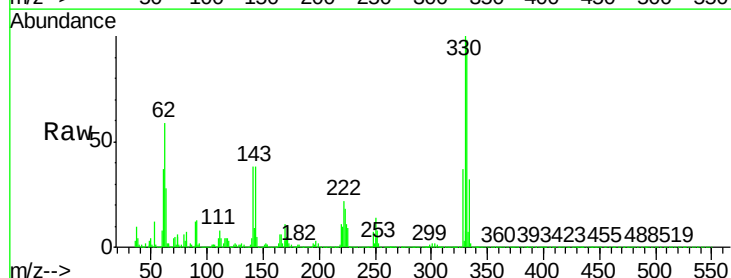
Instrument :
BNA_P
ClientSampleId :

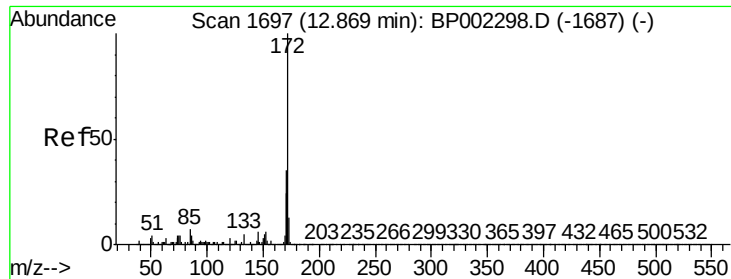
Tot Ion:164 Resp: 837237
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 60.116 ng
RT: 15.75 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion:330 Resp: 477017
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 38.0 31.4 47.2

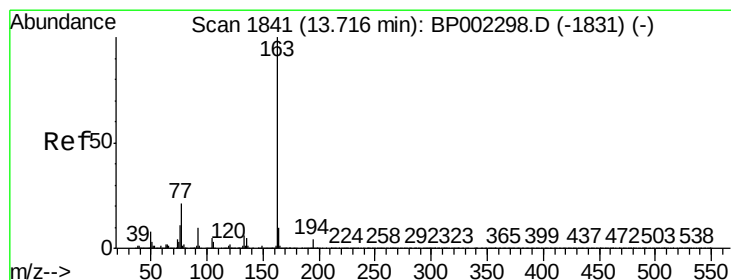
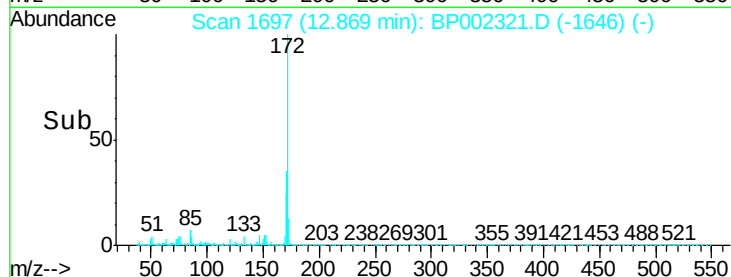
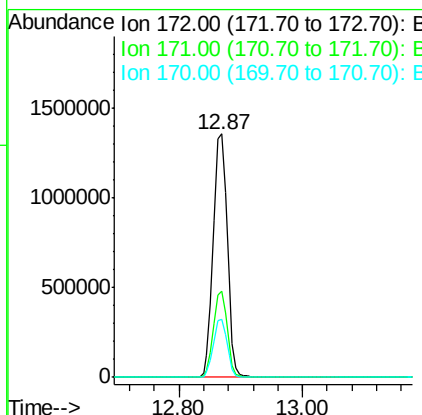
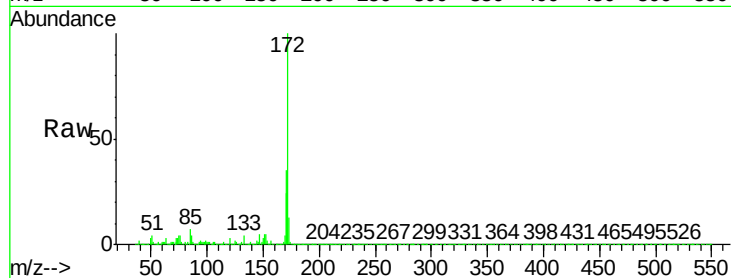




#45
2-Fluorobiphenyl
Concen: 44.583 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

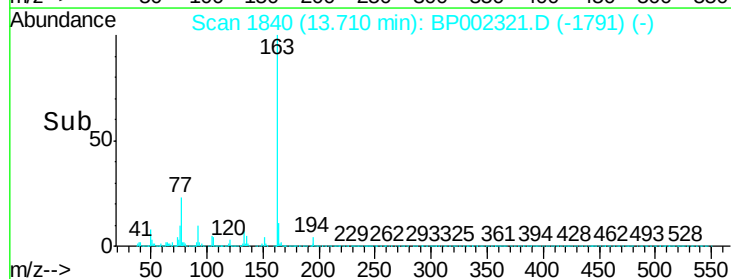
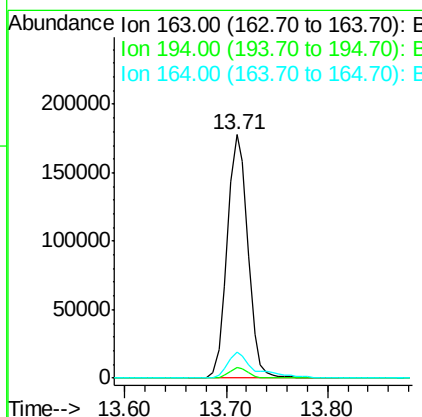
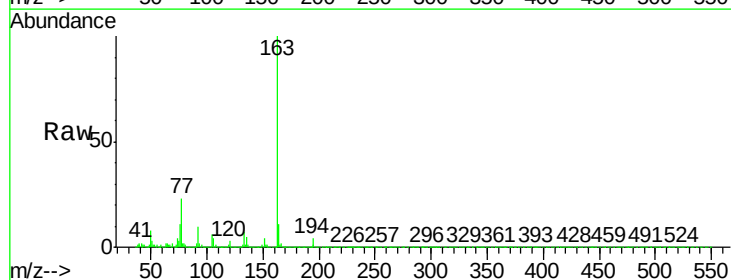
Instrument :
BNA_P
ClientSampleId :

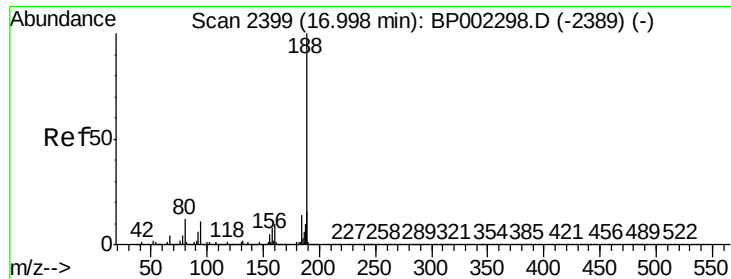
Tot Ion:172 Resp: 2115369
Ion Ratio Lower Upper
172 100
171 35.2 27.6 41.4
170 23.6 18.9 28.3



#50
Dimethylphthalate
Concen: 4.441 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion:163 Resp: 251701
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.5 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

Instrument :

BNA_P

ClientSampleId :

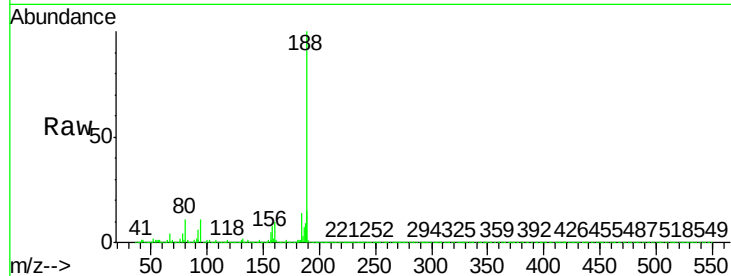
Tot Ion:188 Resp: 1723216

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.7	13.1
80	11.3	9.3	13.9

188 100

94 10.7 8.7 13.1

80 11.3 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

17.00

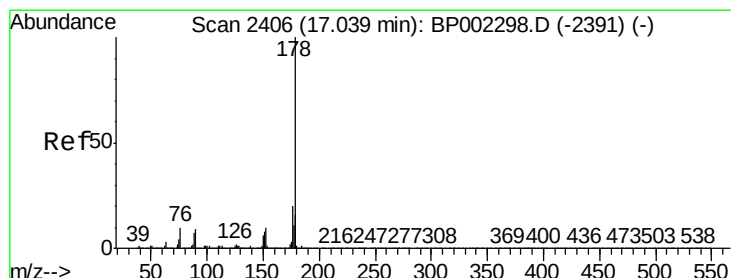
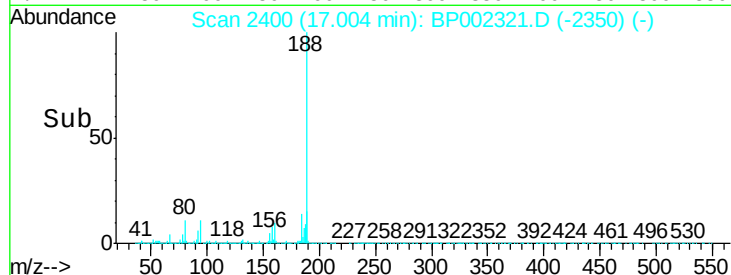
1500000

1000000

500000

0

Time--> 16.90 17.00 17.10



#71

Phenanthrene

Concen: 5.597 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

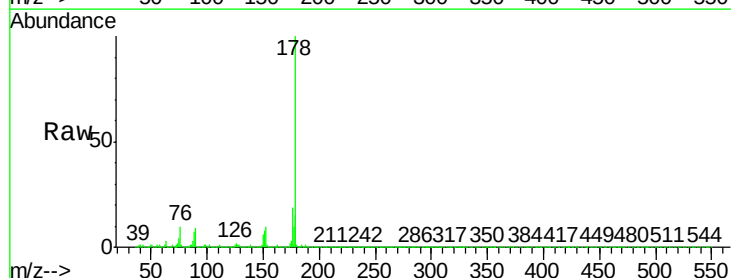
Tgt Ion:178 Resp: 456873

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	12.6	18.8

178 100

176 19.4 15.8 23.8

179 15.2 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

17.05

400000

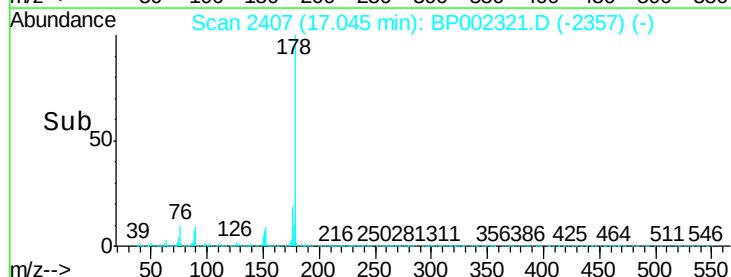
300000

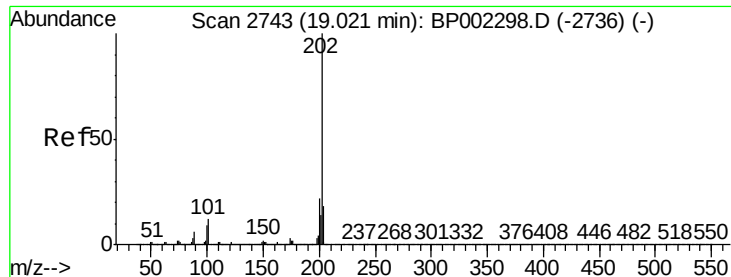
200000

100000

0

Time--> 17.00 17.10





#75

Fluoranthene

Concen: 9.931 ng

RT: 19.03 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BP002321.D

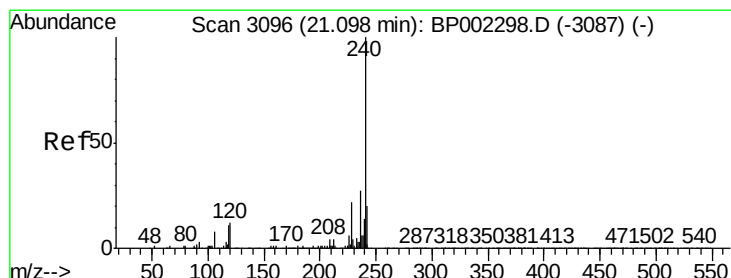
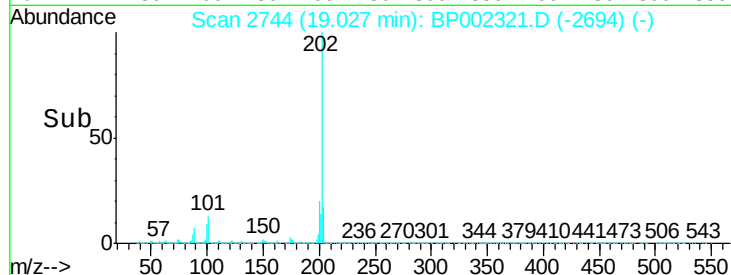
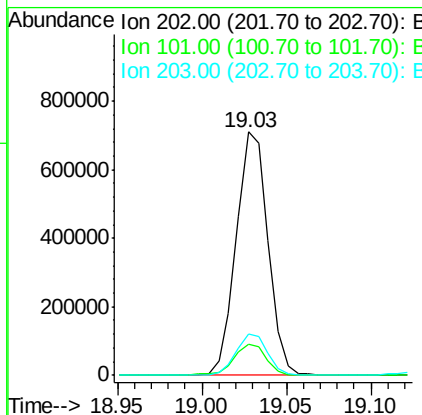
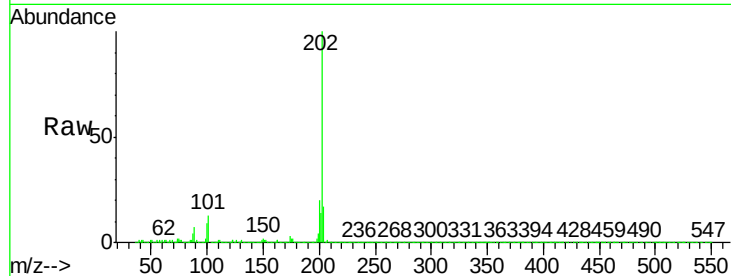
Acq: 29 May 2020 18:36

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	933608
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.1
203	17.2	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

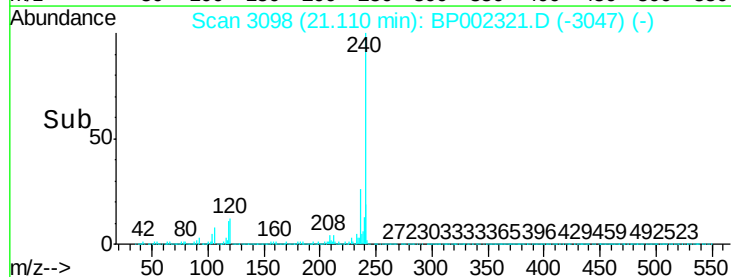
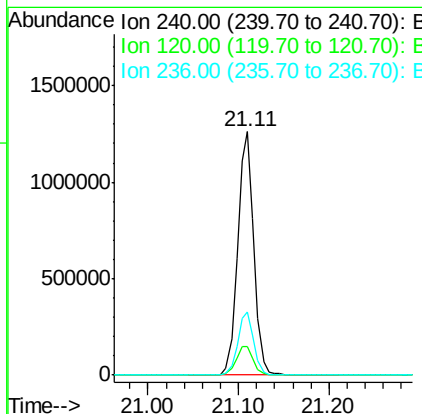
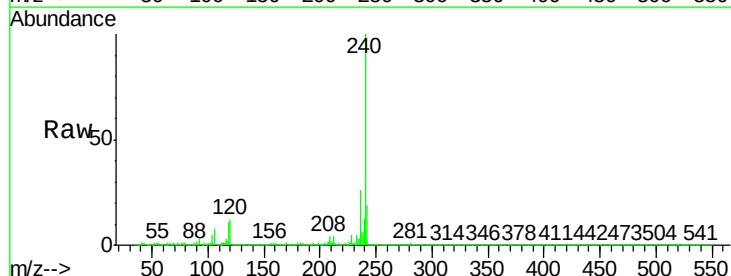
RT: 21.11 min Scan# 3098

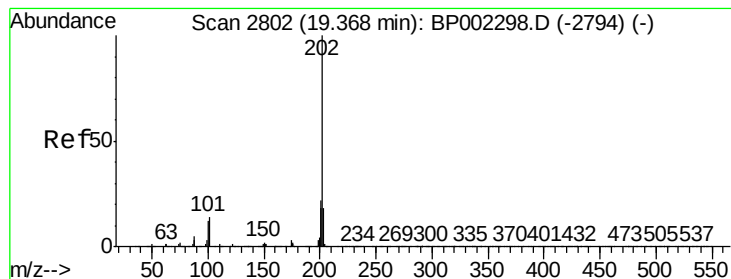
Delta R.T. -0.00 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

Tgt Ion:	240	Resp:	1565437
Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.7	13.1
236	26.1	21.0	31.4





#78

Pvrene

Concen: 8.416 ng

RT: 19.38 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BP002321.D

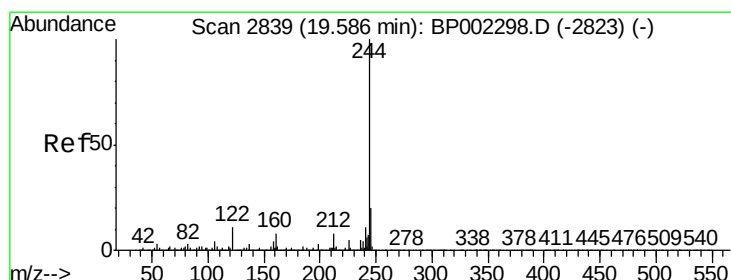
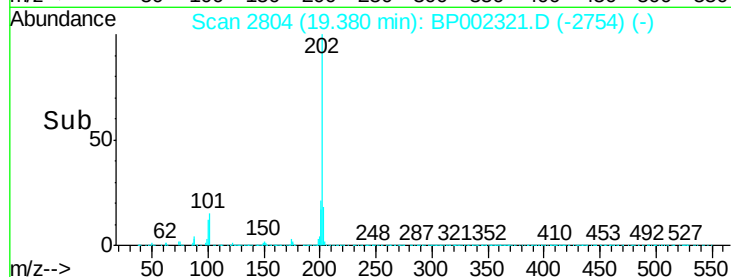
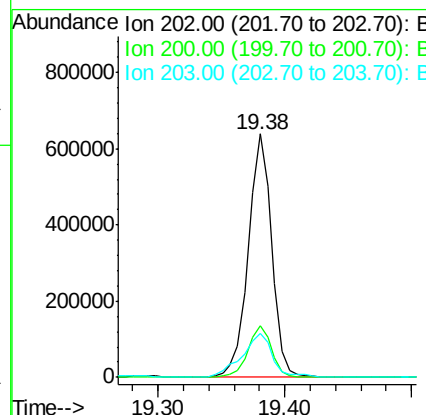
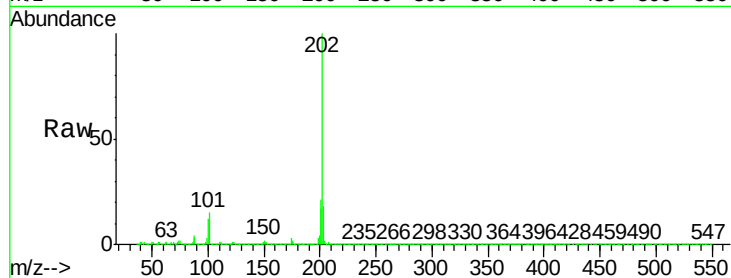
Acq: 29 May 2020 18:36

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	820364
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	18.3	13.8	20.6



#79

Terphenyl-d14

Concen: 42.784 ng

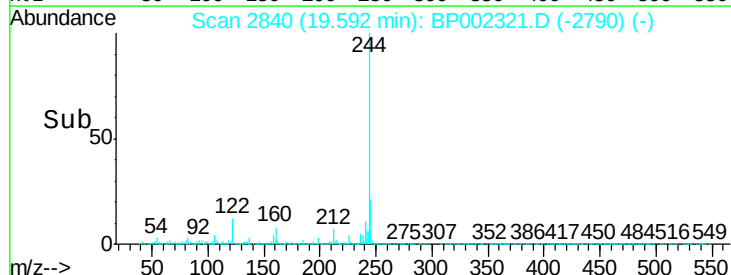
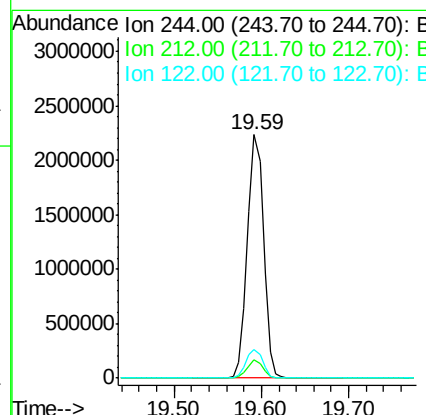
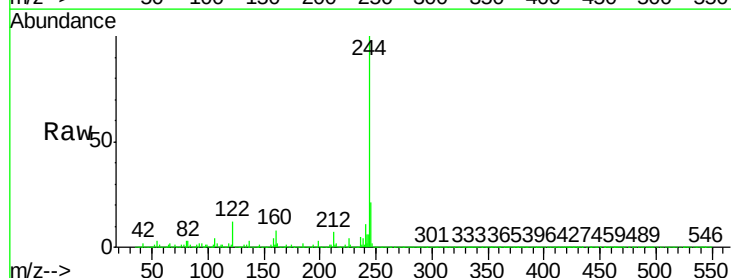
RT: 19.59 min Scan# 2840

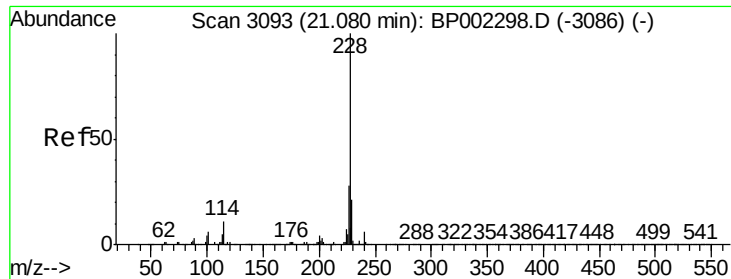
Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

Tgt Ion:	244	Resp:	2765631
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	11.9	9.4	14.0

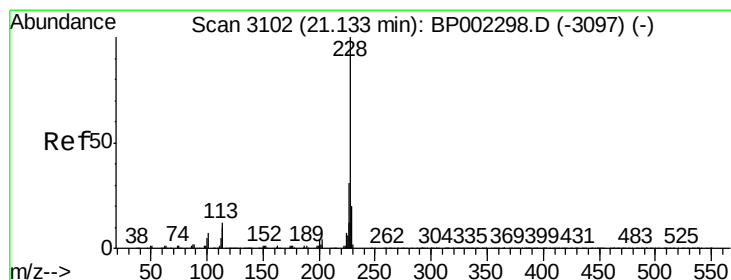
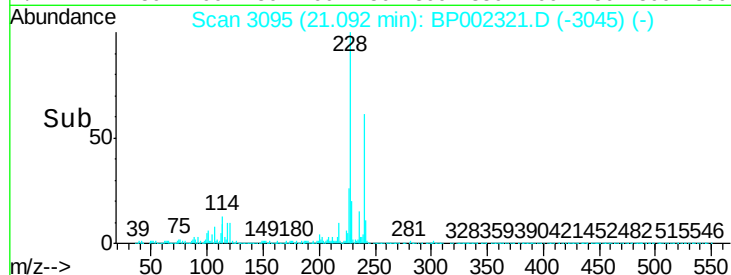
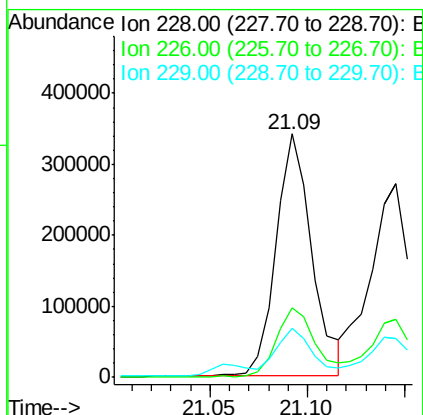
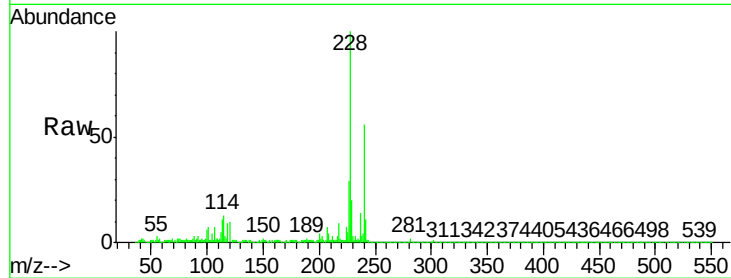




#81
Benzo(a)anthracene
Concen: 4.870 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

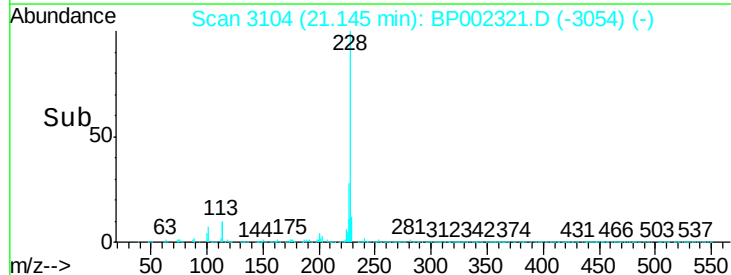
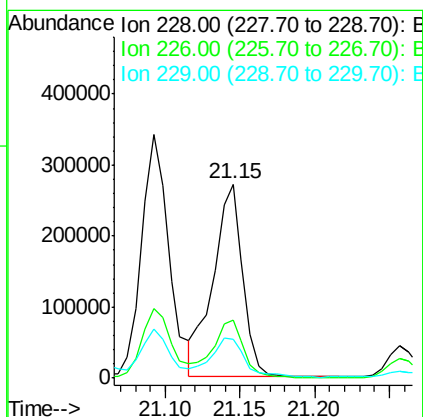
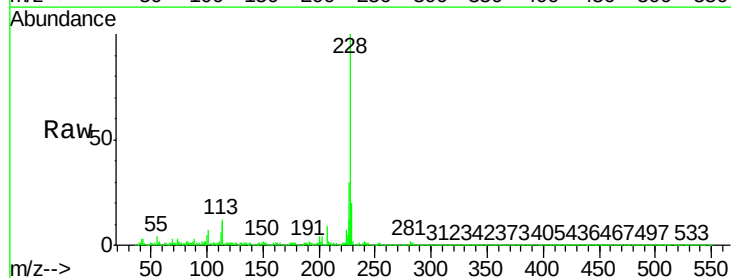
Instrument :
BNA_P
ClientSampleId :

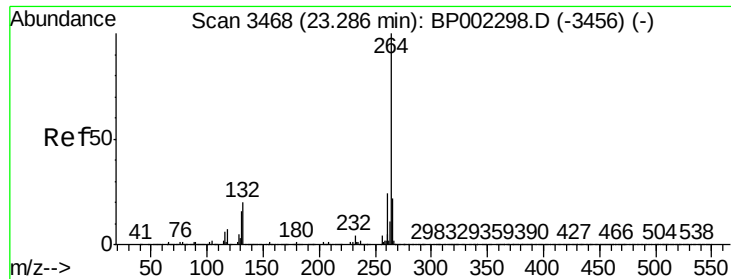
Tot Ion:228 Resp: 436411
Ion Ratio Lower Upper
228 100
226 28.7 22.7 34.1
229 19.9 16.3 24.5



#83
Chrysene
Concen: 4.411 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion:228 Resp: 379339
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 20.3 16.2 24.4



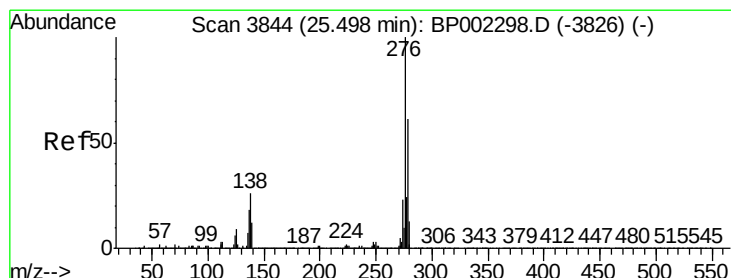
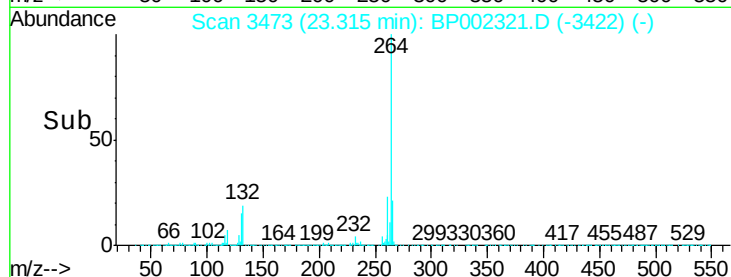
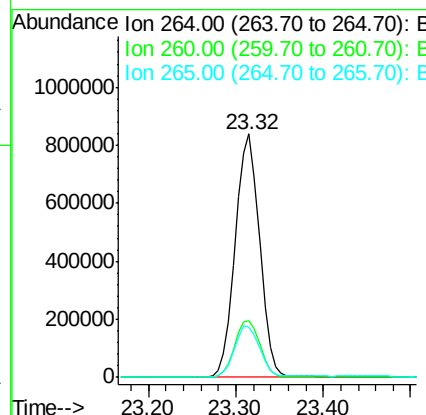
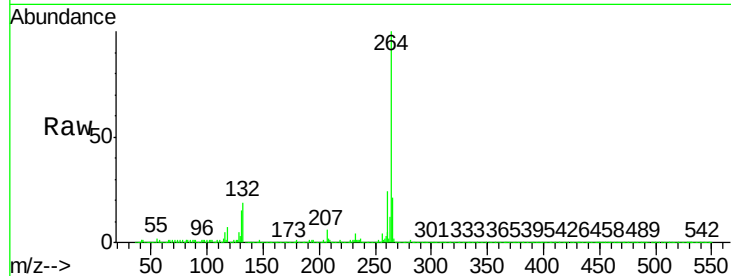


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.32 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Instrument :
BNA_P
ClientSampled :

Tot Ion:264 Resp: 1582303

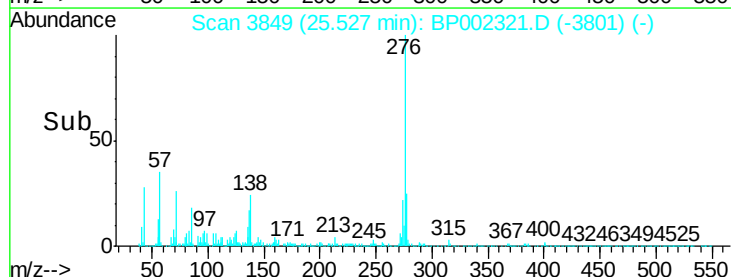
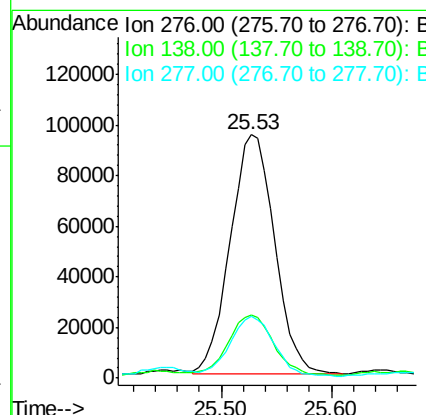
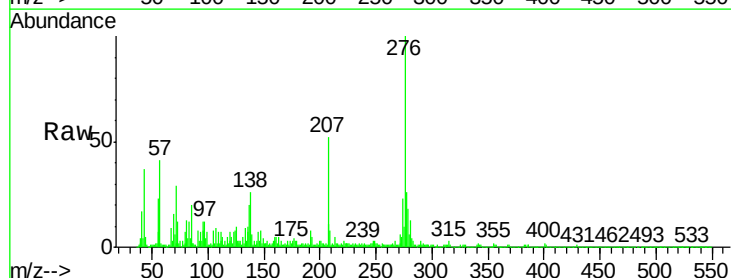
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	20.8	17.8	26.6

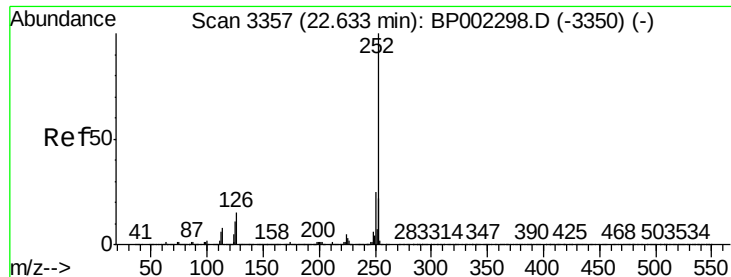


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.722 ng
RT: 25.53 min Scan# 3849
Delta R.T. -0.02 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion:276 Resp: 266599

Ion	Ratio	Lower	Upper
276	100		
138	26.1	18.2	27.4
277	24.3	20.2	30.2

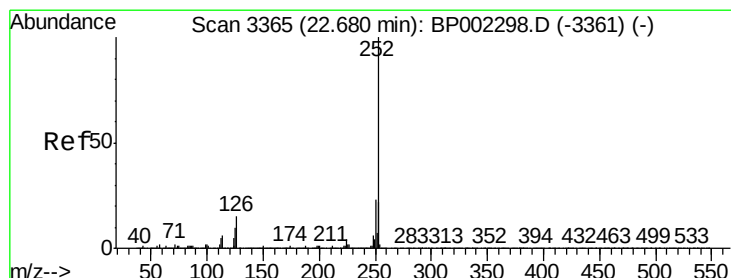
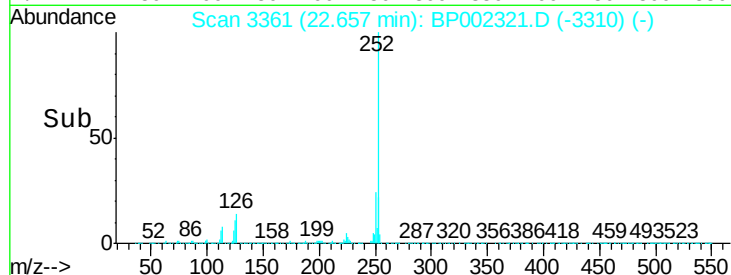
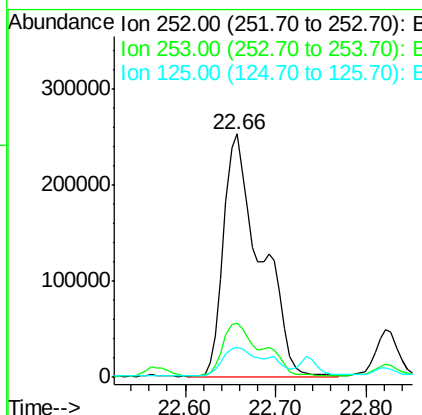
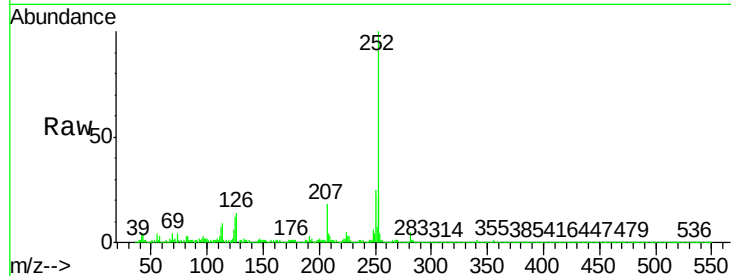




#88
Benzo(b)fluoranthene
Concen: 8.270 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

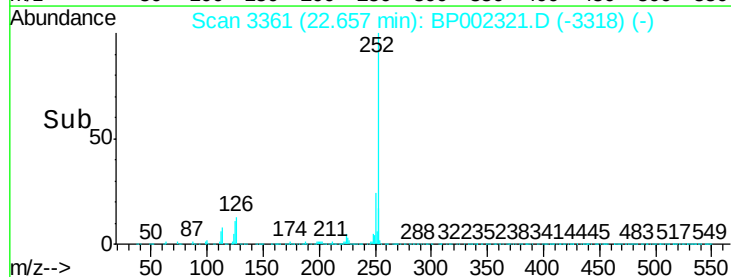
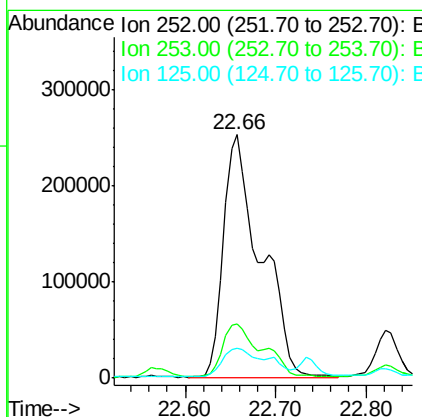
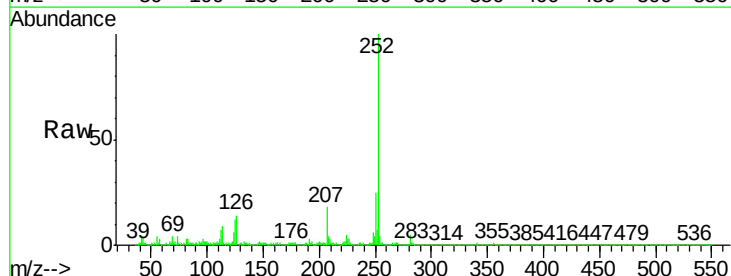
Instrument :
BNA_P
ClientSampleId :

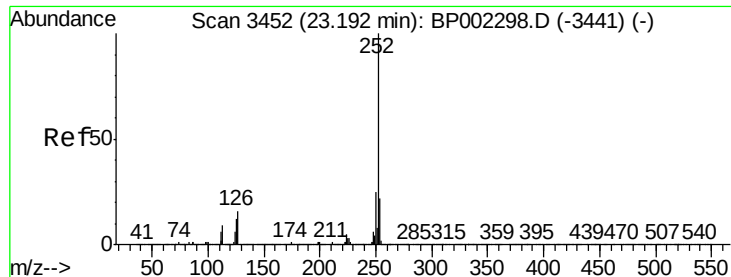
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	12.2	7.2	10.8#



#89
Benzo(k)fluoranthene
Concen: 8.618 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.05 min
Lab File: BP002321.D
Acq: 29 May 2020 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.2	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 4.884 ng

RT: 23.22 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BP002321.D

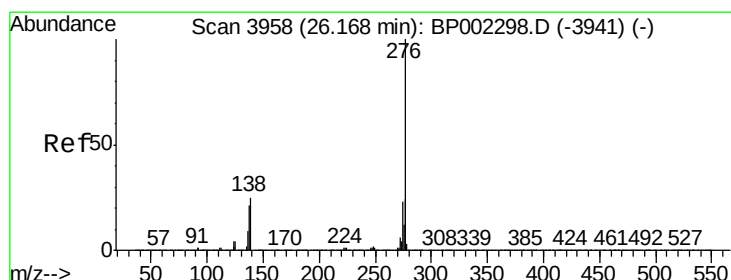
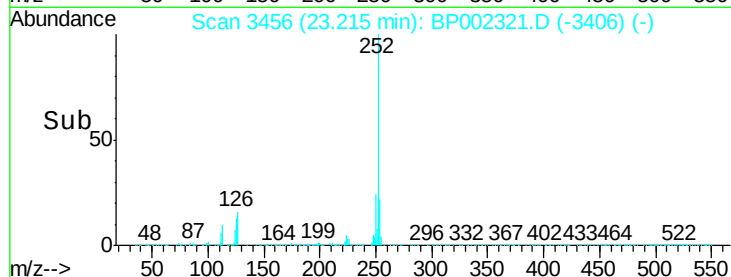
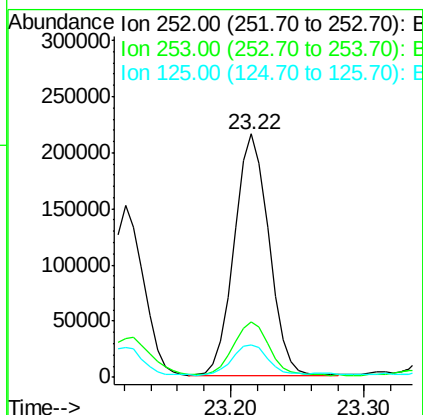
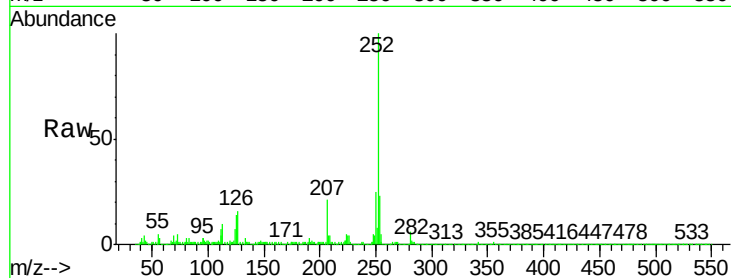
Acq: 29 May 2020 18:36

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	252	Resp:	390830
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.5	8.4	12.6#



#92

Benzo(g,h,i)perylene

Concen: 3.383 ng

RT: 26.20 min Scan# 3964

Delta R.T. -0.01 min

Lab File: BP002321.D

Acq: 29 May 2020 18:36

Tgt Ion:	276	Resp:	275543
Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	27.1	16.0	24.0#

