

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
 Data File : BP002322.D
 Acq On : 29 May 2020 19:10
 Operator : CG/JU
 Sample : L2773-14 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 30 00:46:18 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

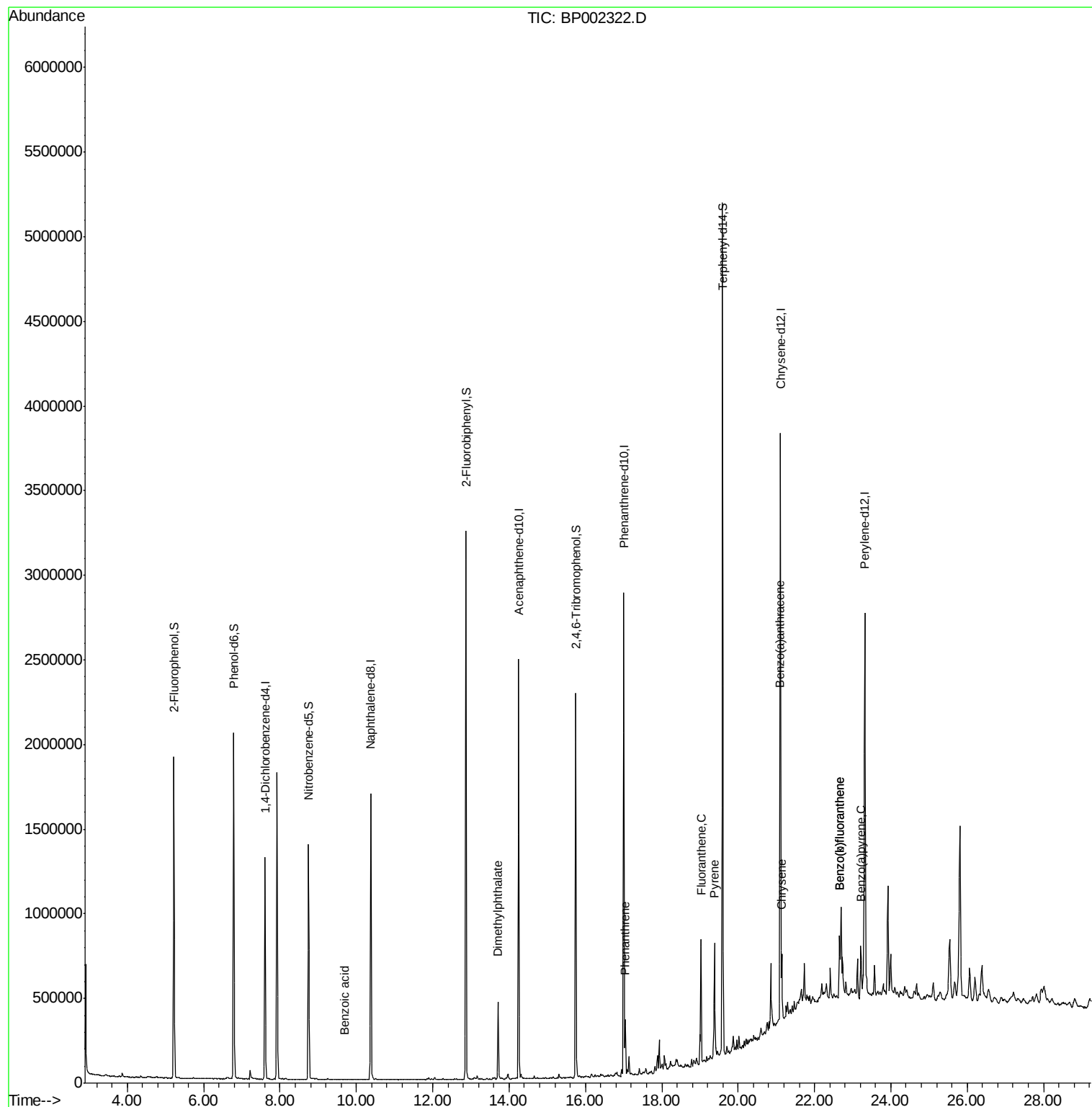
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	339443	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	1396637	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	817954	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1659097	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1496412	20.00	ng	0.00
86) Perylene-d12	23.32	264	1552363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	804506	44.51	ng	0.00
7) Phenol-d6	6.79	99	1177244	47.88	ng	0.00
23) Nitrobenzene-d5	8.75	82	794864	34.22	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	377629	48.71	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	1729925	37.32	ng	0.00
79) Terphenyl-d14	19.59	244	2355489	38.12	ng	0.00
Target Compounds						
32) Benzoic acid	9.69	122	127	4.818	ng	Qvalue # 33
50) Dimethylphthalate	13.71	163	282002	5.093	ng	100
71) Phenanthrene	17.04	178	186486	2.373	ng	99
75) Fluoranthene	19.03	202	416279	4.599	ng	97
78) Pyrene	19.38	202	387805	4.162	ng	99
81) Benzo(a)anthracene	21.09	228	218769	2.554	ng	97
83) Chrysene	21.14	228	205060	2.494	ng	98
88) Benzo(b)fluoranthene	22.66	252	298849	3.531	ng	# 96
89) Benzo(k)fluoranthene	22.66	252	298849	3.680	ng	# 96
90) Benzo(a)pyrene	23.22	252	213244	2.716	ng	# 94

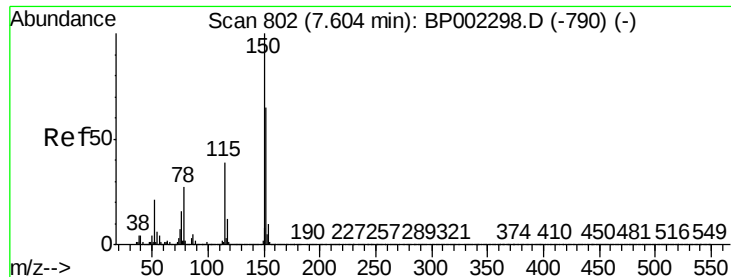
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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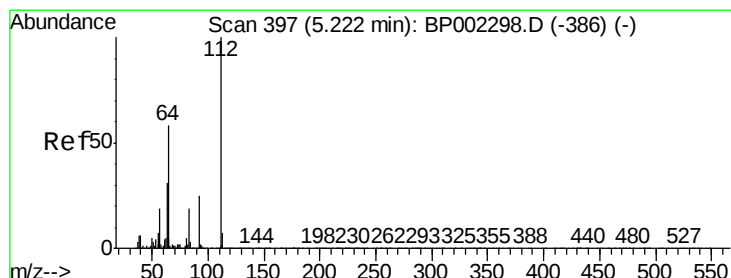
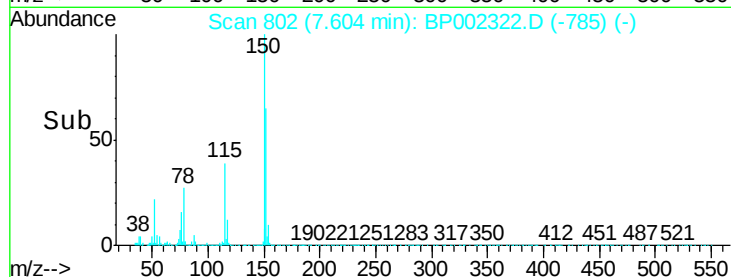
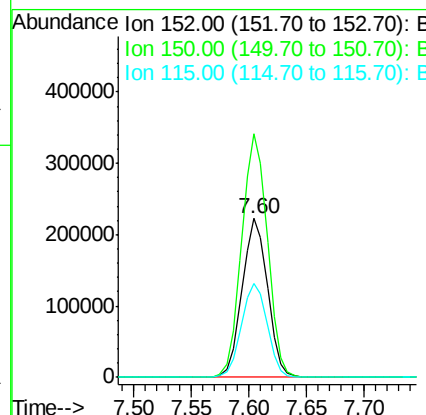
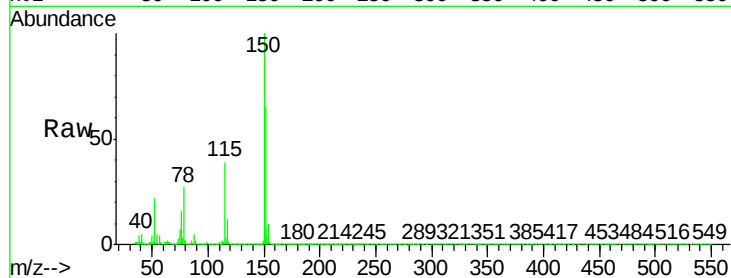


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Instrument :
BNA_P
ClientSampleId :

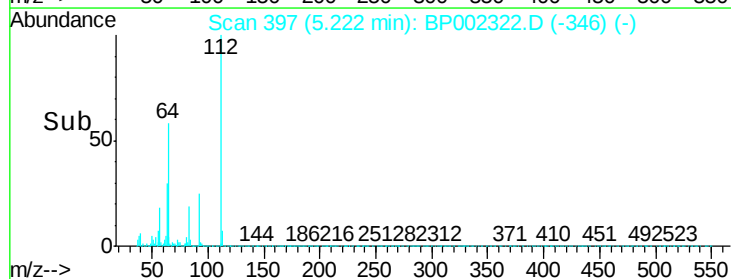
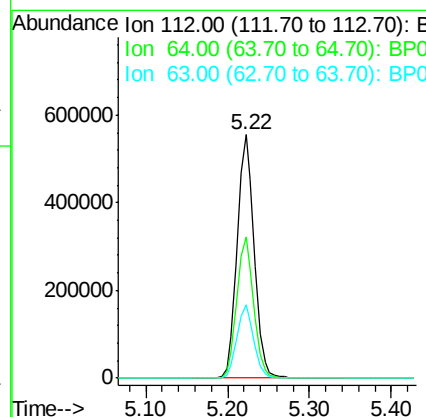
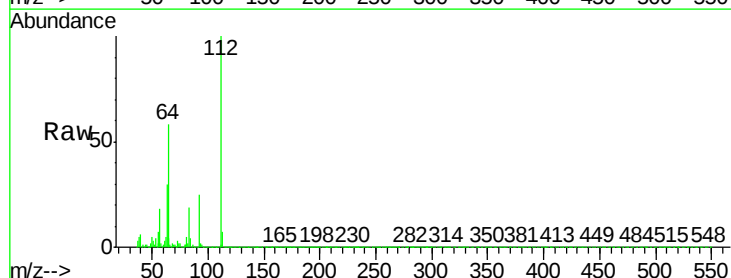
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.7	187.1
115	59.4	49.4	74.2

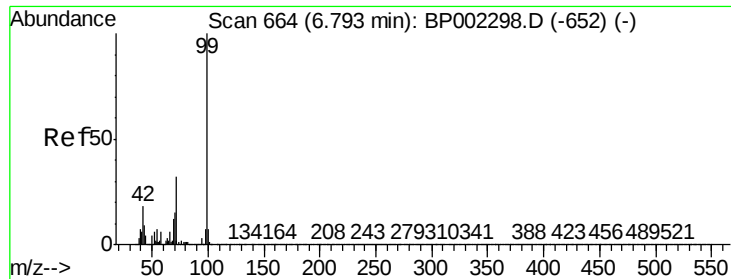


#5

2-Fluorophenol
Concen: 44.513 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.0	70.4
63	30.0	24.0	36.0





#7

Phenol-d6

Concen: 47.883 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

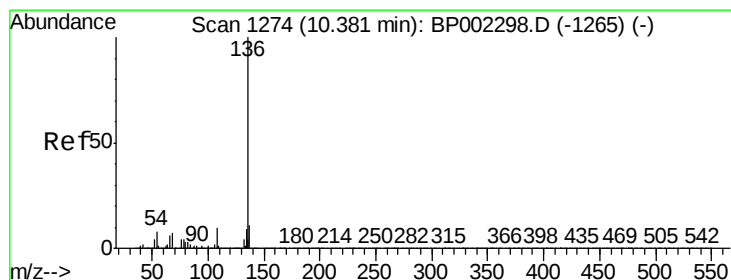
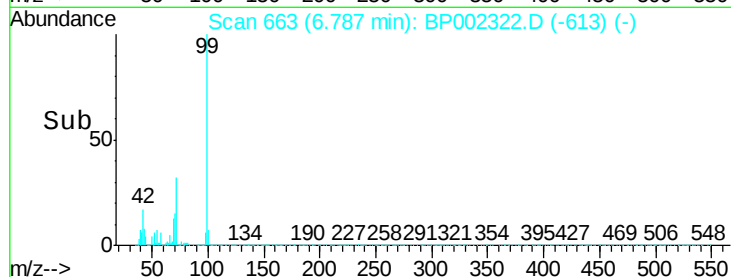
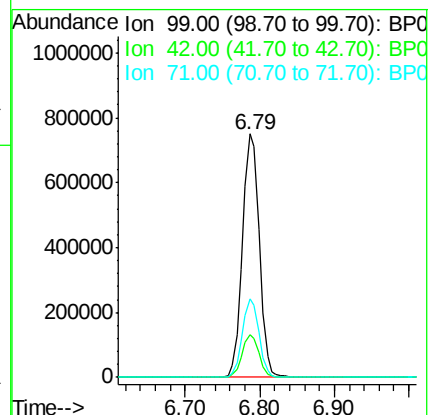
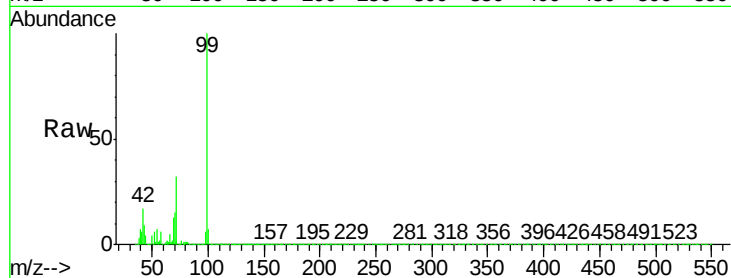
Tot Ion: 99 Resp: 1177244

Ion Ratio Lower Upper

99 100

42 17.5 13.9 20.9

71 32.2 25.8 38.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

Tgt Ion: 136 Resp: 1396637

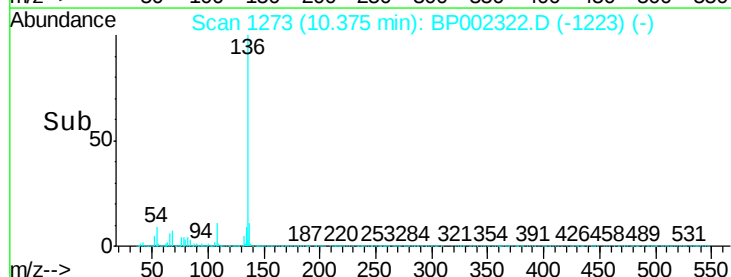
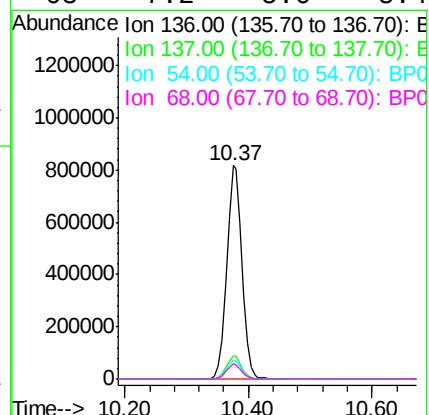
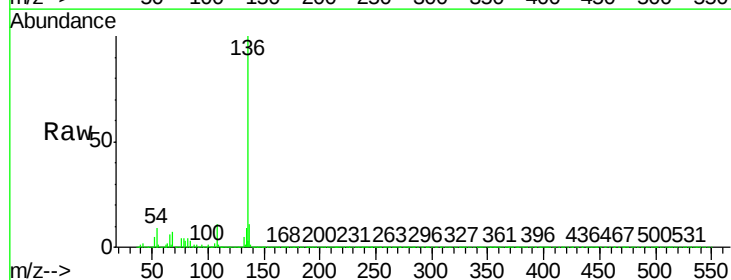
Ion Ratio Lower Upper

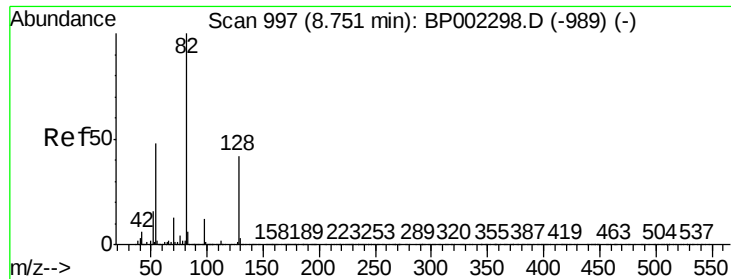
136 100

137 11.1 8.8 13.2

54 8.9 6.9 10.3

68 7.2 5.6 8.4

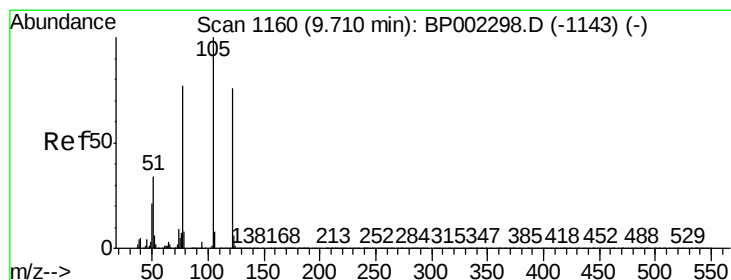
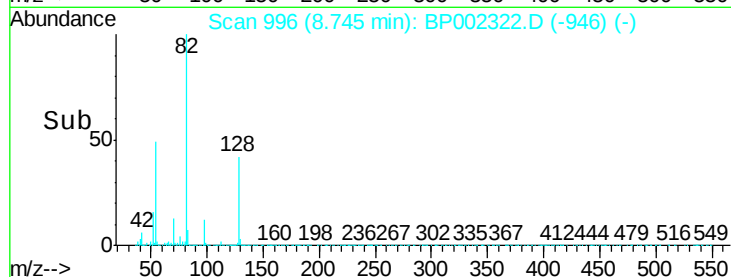
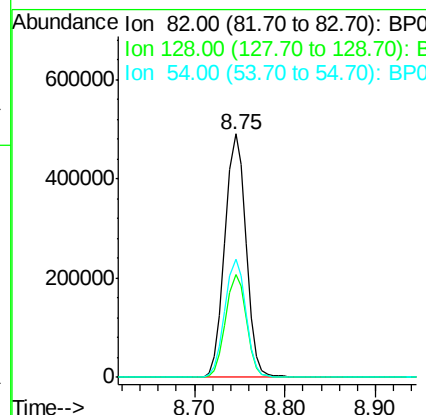
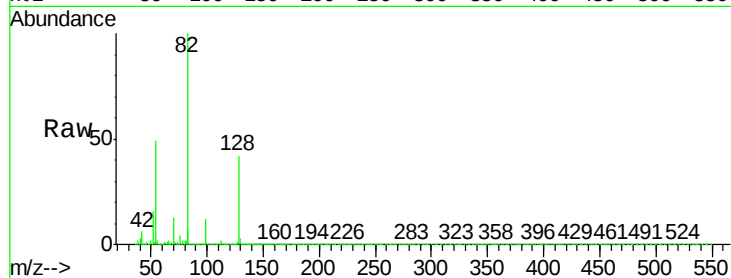




#23
Nitrobenzene-d5
Concen: 34.217 ng
RT: 8.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

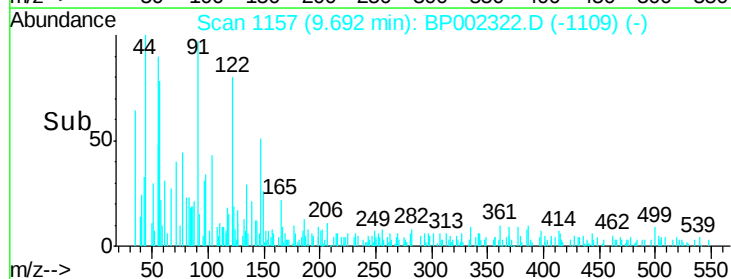
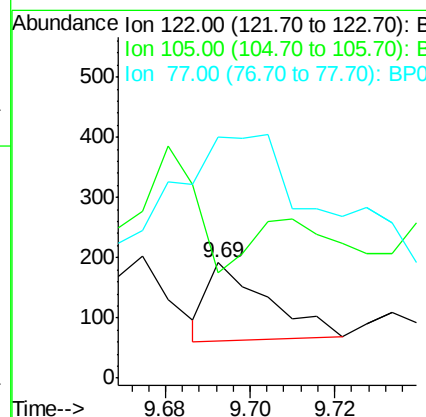
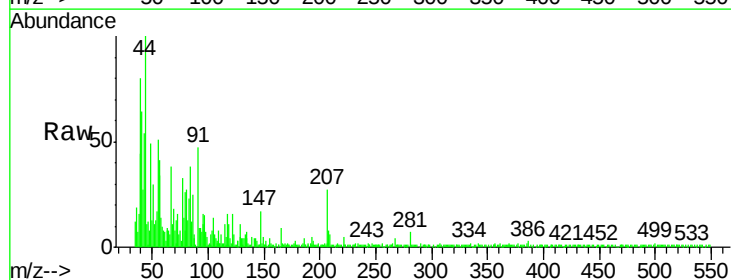
Instrument :
BNA_P
ClientSampleId :

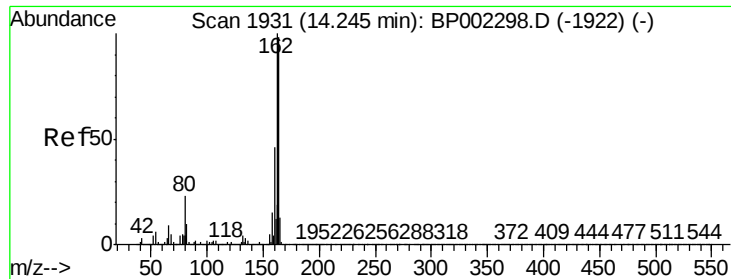
Tot Ion	82	Resp	794864
Ion Ratio	Lower	Upper	
82	100		
128	42.1	33.4	50.0
54	48.7	38.3	57.5



#32
Benzoic acid
Concen: 4.818 ng
RT: 9.69 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Tgt Ion	122	Resp	127
Ion Ratio	Lower	Upper	
122	100		
105	91.7	102.7	142.7#
77	208.9	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: BP002322.D

Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

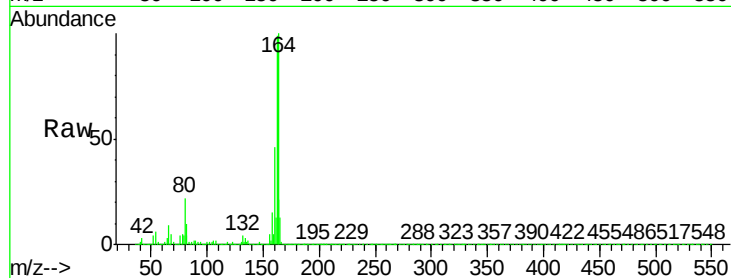
Tot Ion:164 Resp: 817954

Ion Ratio Lower Upper

164 100

162 99.5 81.3 121.9

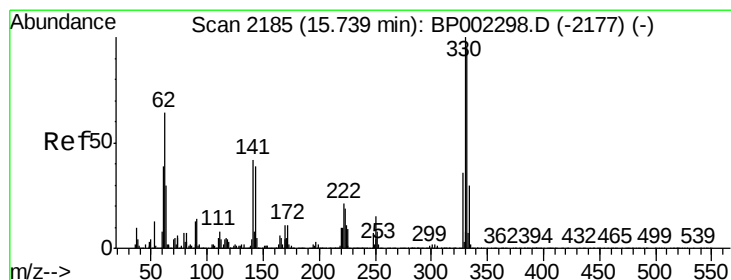
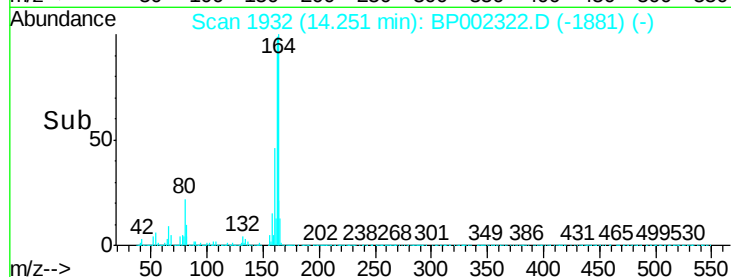
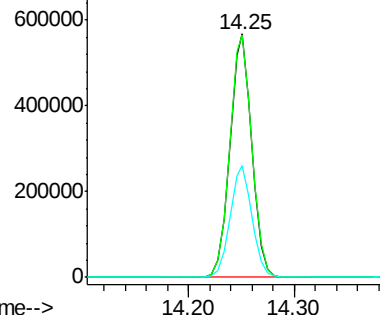
160 45.8 37.2 55.8



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: 48.712 ng

RT: 15.74 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

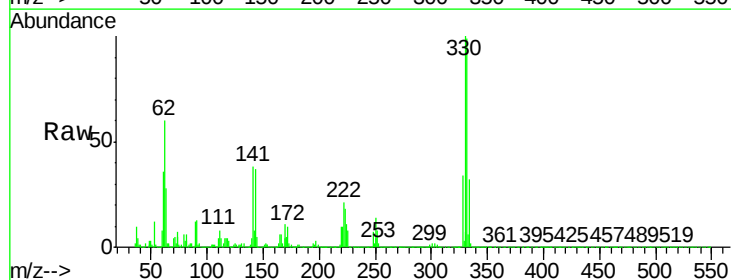
Tgt Ion:330 Resp: 377629

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

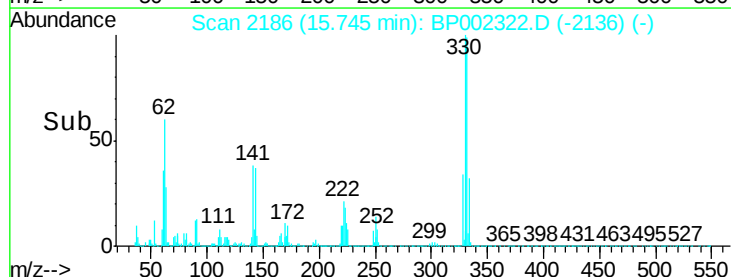
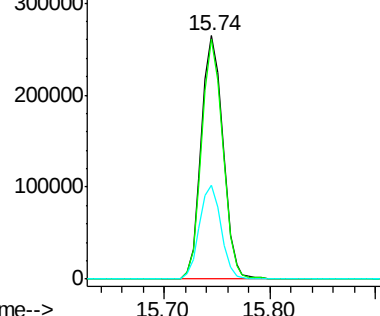
141 38.3 31.4 47.2

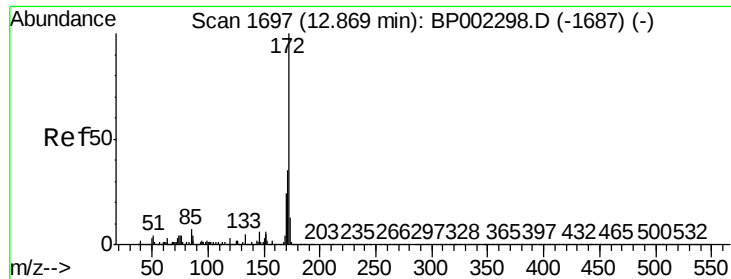


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

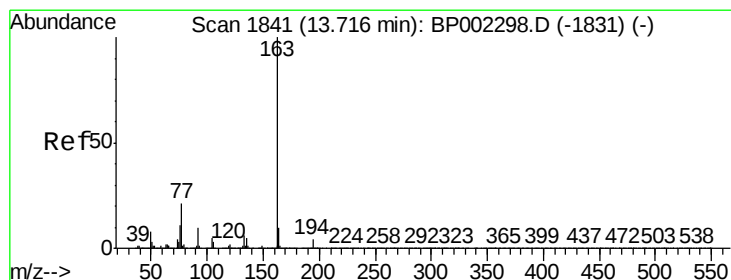
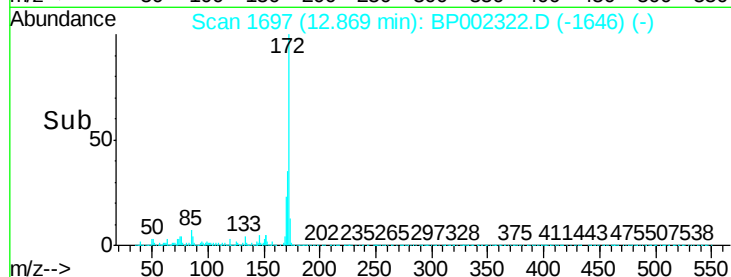
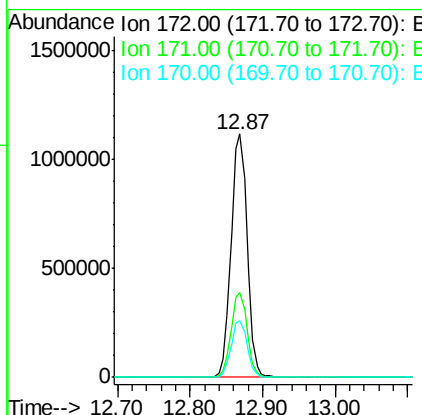
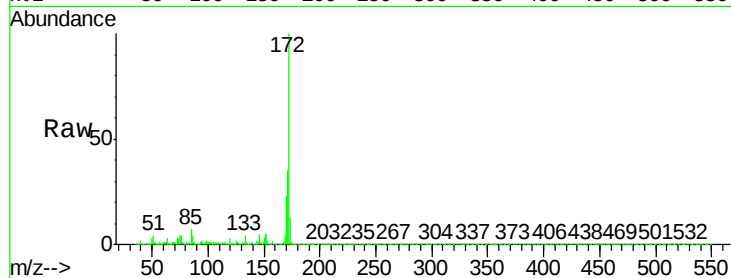




#45
2-Fluorobiphenyl
Concen: 37.319 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

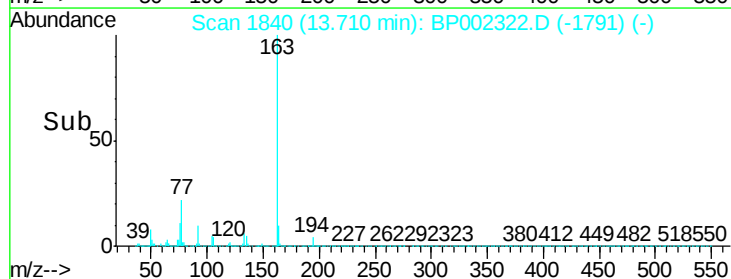
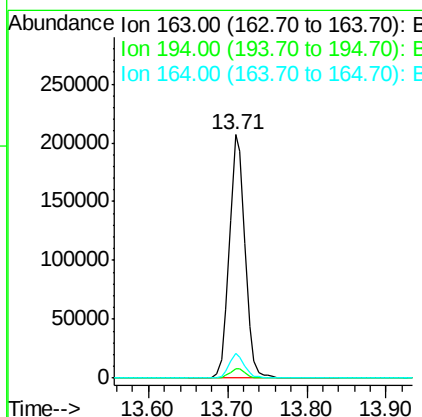
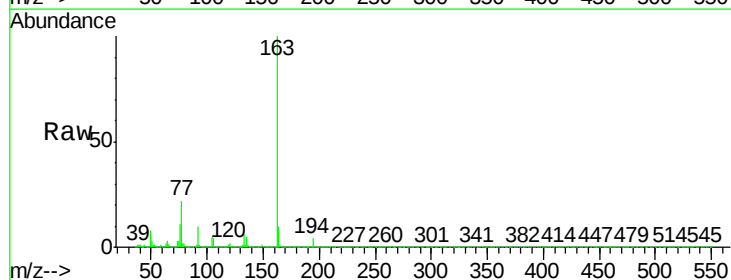
Instrument :
BNA_P
ClientSampleId :

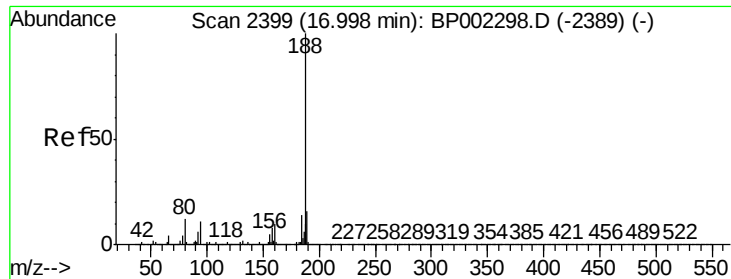
Tot Ion:172 Resp: 1729925
Ion Ratio Lower Upper
172 100
171 34.9 27.6 41.4
170 23.4 18.9 28.3



#50
Dimethylphthalate
Concen: 5.093 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Tgt Ion:163 Resp: 282002
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.1 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: BP002322.D

Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

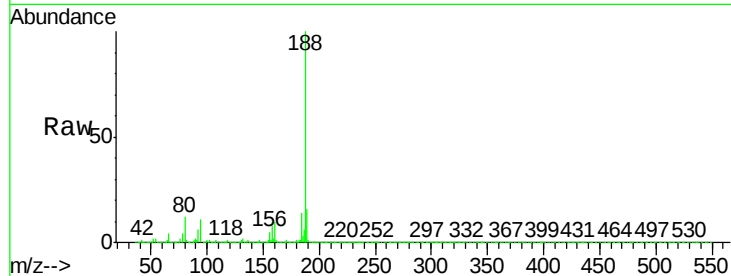
Tot Ion:188 Resp: 1659097

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.7	13.1
80	11.7	9.3	13.9

188 100

94 10.9 8.7 13.1

80 11.7 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

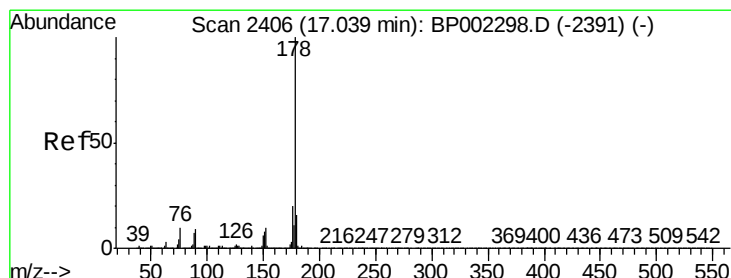
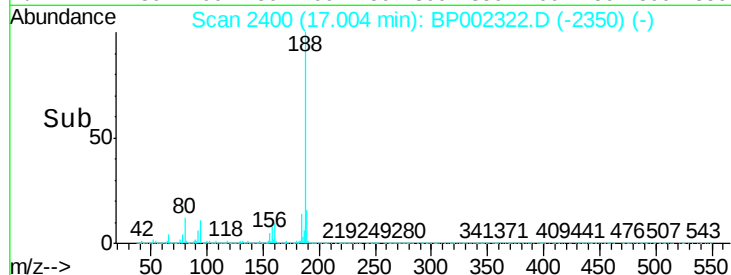
1500000

1000000

500000

0

Time--> 16.90 17.00 17.10



#71

Phenanthrene

Concen: 2.373 ng

RT: 17.04 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

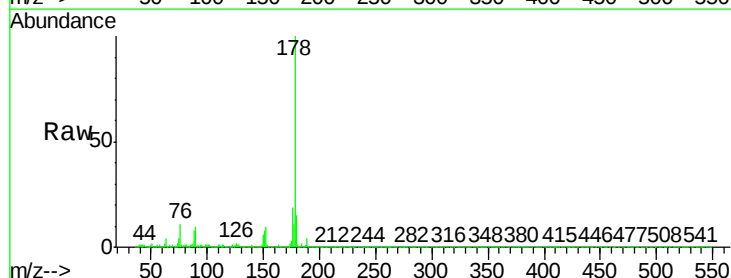
Tgt Ion:178 Resp: 186486

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	12.6	18.8

178 100

176 19.2 15.8 23.8

179 15.1 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

17.04

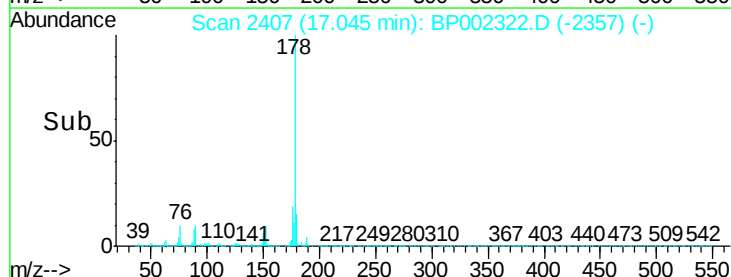
150000

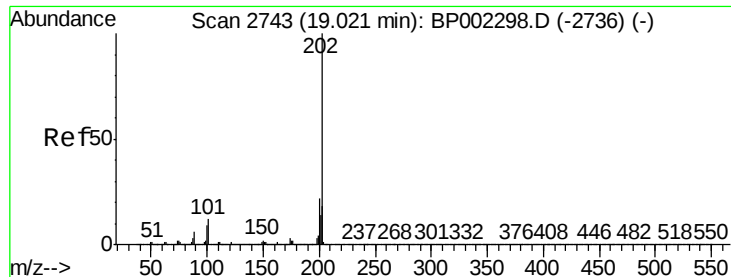
100000

50000

0

Time--> 16.90 17.00 17.10





#75

Fluoranthene

Concen: 4.599 ng

RT: 19.03 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BP002322.D

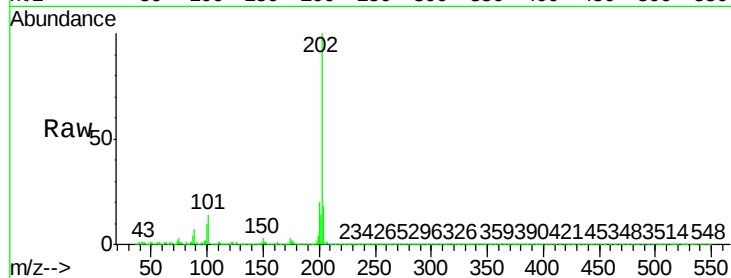
Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

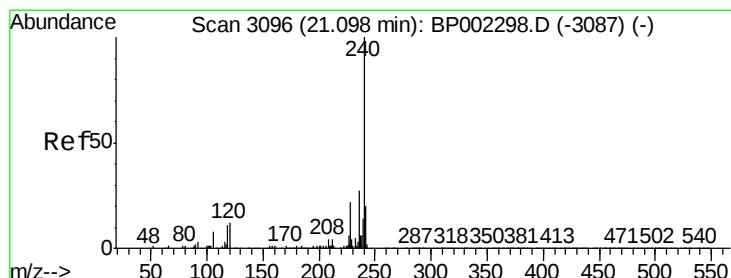
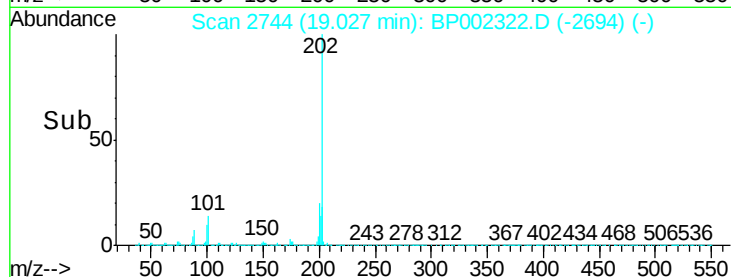
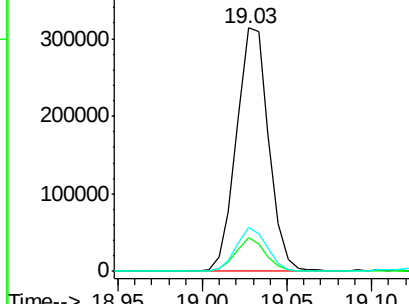
Tot Ion:	202	Resp:	416279
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	32.1
203	18.2	0.0	37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

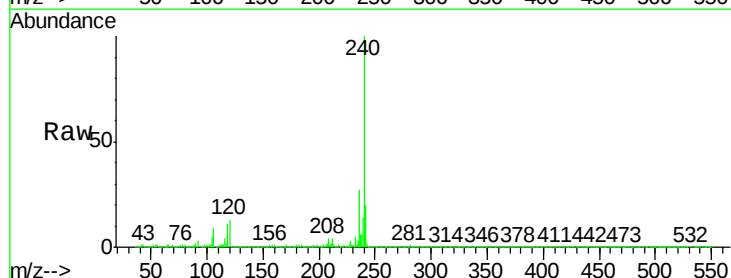
RT: 21.11 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

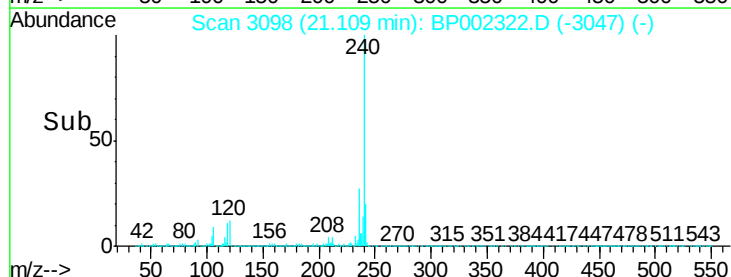
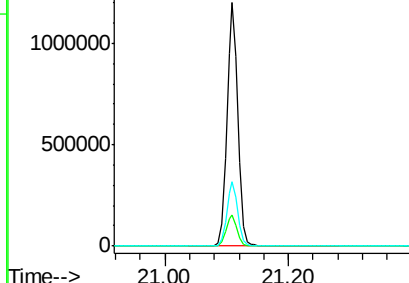
Tgt Ion:	240	Resp:	1496412
Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.7	13.1
236	26.6	21.0	31.4

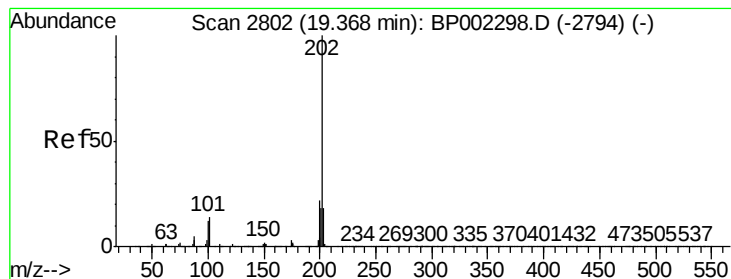


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.162 ng

RT: 19.38 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BP002322.D

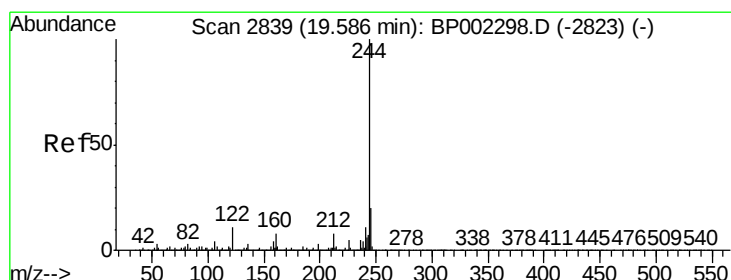
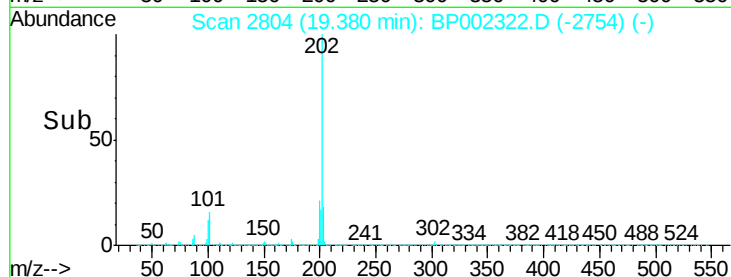
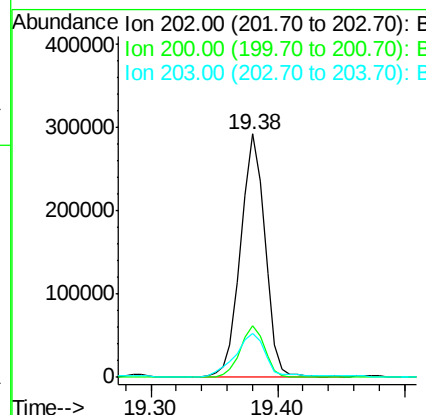
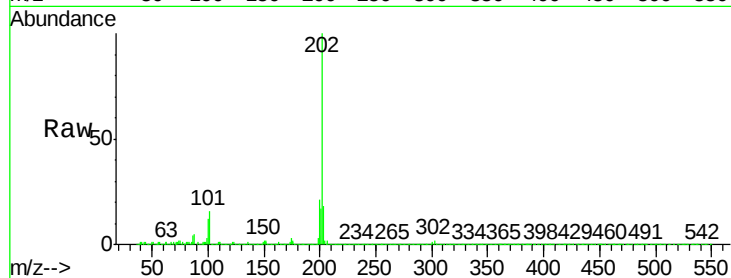
Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	387805
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.9	13.8	20.6



#79

Terphenyl-d14

Concen: 38.120 ng

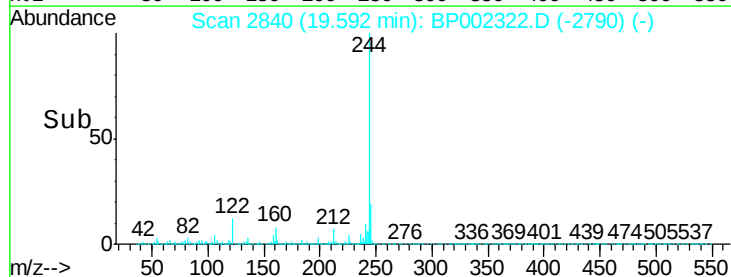
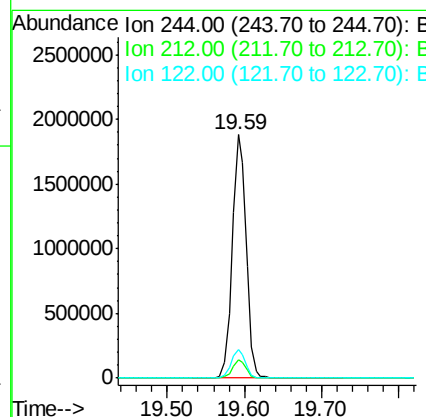
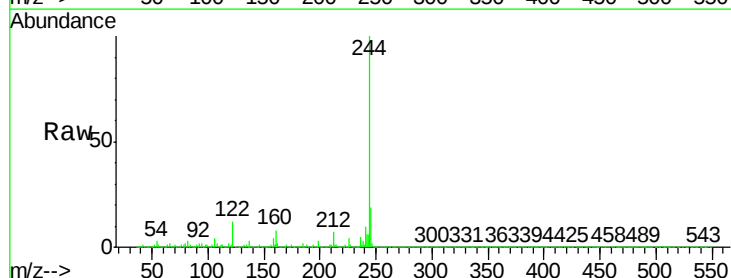
RT: 19.59 min Scan# 2840

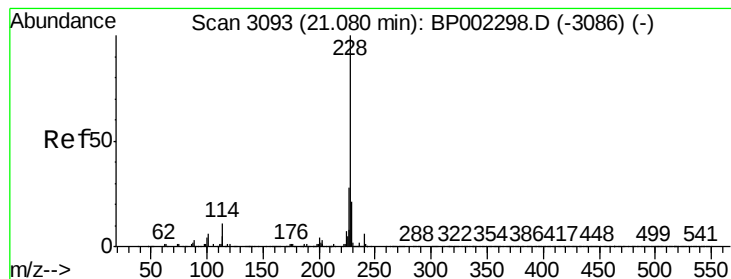
Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

Tgt Ion:	244	Resp:	2355489
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	11.5	9.4	14.0





#81

Benzo(a)anthracene

Concen: 2.554 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

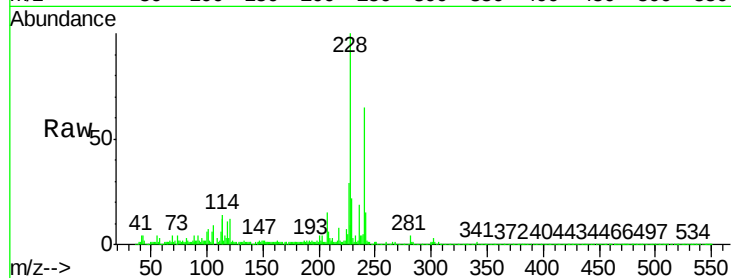
Tot Ion:228 Resp: 218769

Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

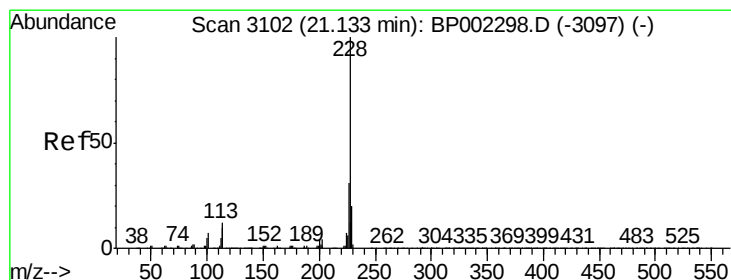
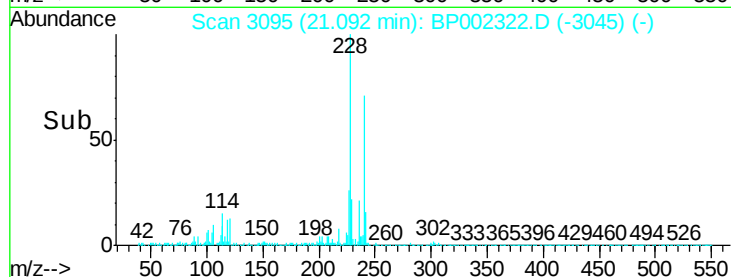
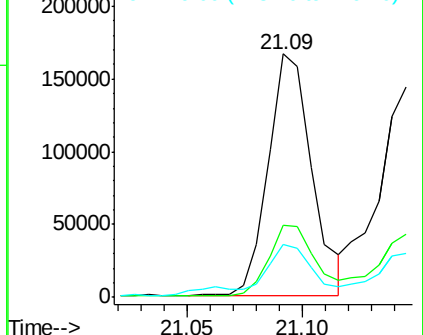
229 21.9 16.3 24.5



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: 2.494 ng

RT: 21.14 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

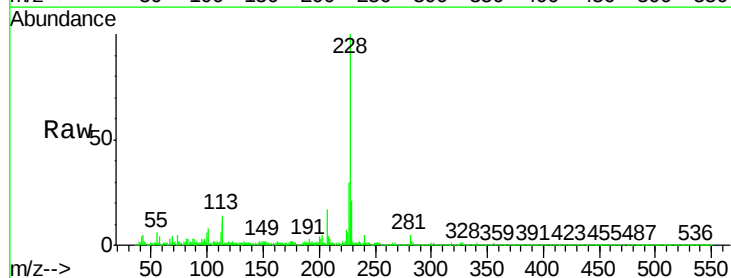
Tgt Ion:228 Resp: 205060

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

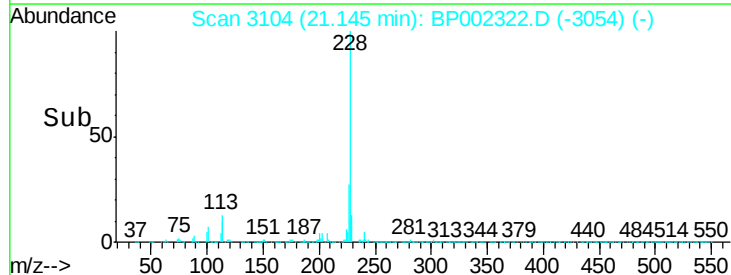
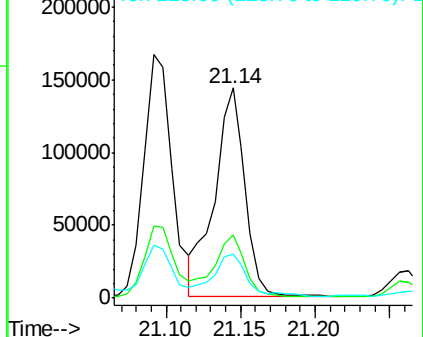
229 21.0 16.2 24.4

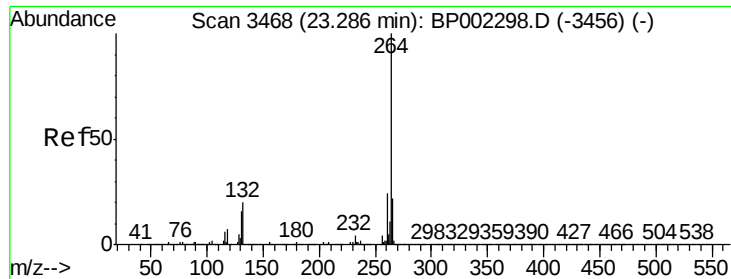


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.32 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

Instrument :

BNA_P

ClientSampleId :

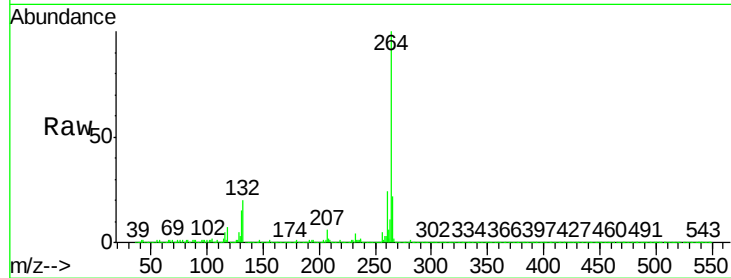
Tot Ion:264 Resp: 1552363

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.9	17.8	26.6

264 100

260 23.9 19.4 29.2

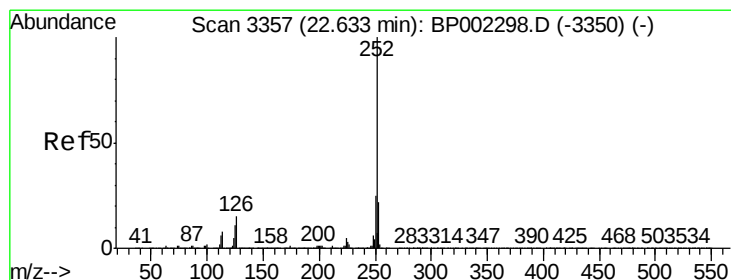
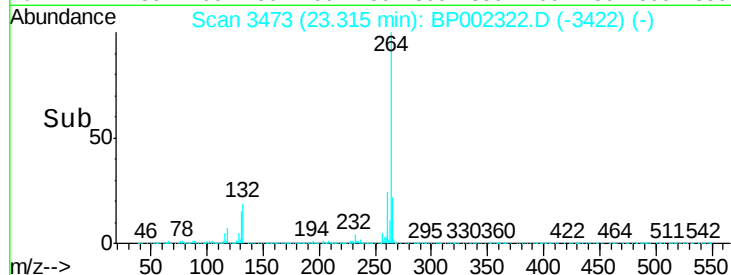
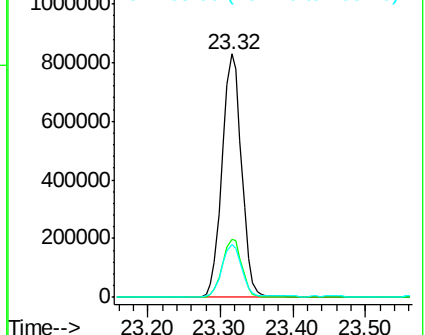
265 21.9 17.8 26.6



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



#88

Benzo(b)fluoranthene

Concen: 3.531 ng

RT: 22.66 min Scan# 3361

Delta R.T. -0.00 min

Lab File: BP002322.D

Acq: 29 May 2020 19:10

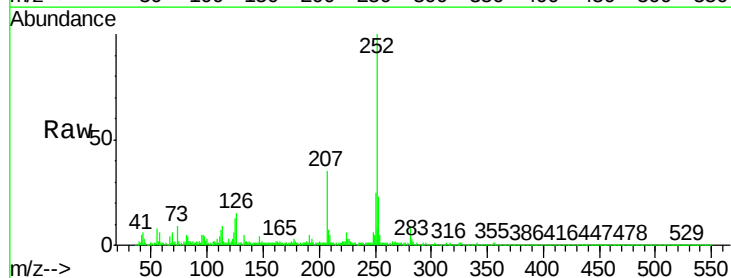
Tgt Ion:252 Resp: 298849

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	13.1	7.2	10.8

252 100

253 22.9 18.2 27.2

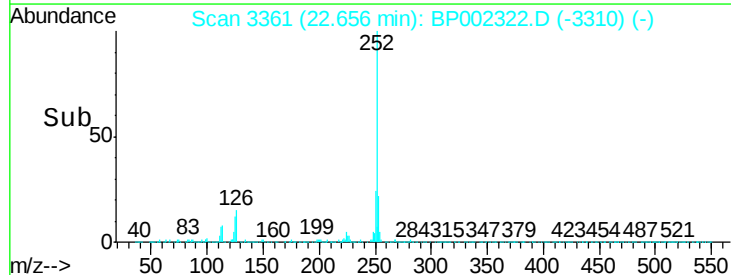
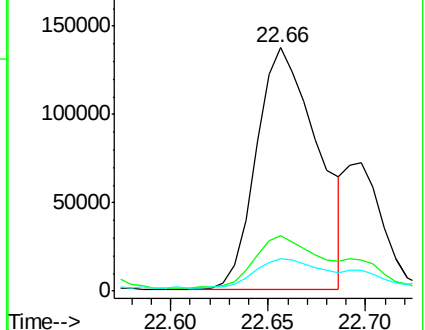
125 13.1 7.2 10.8

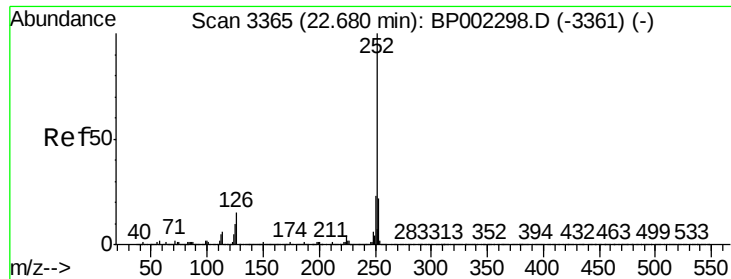


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

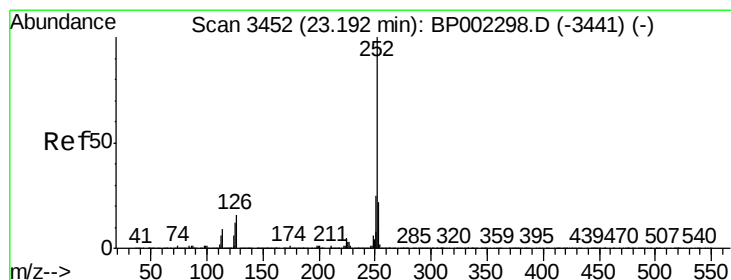
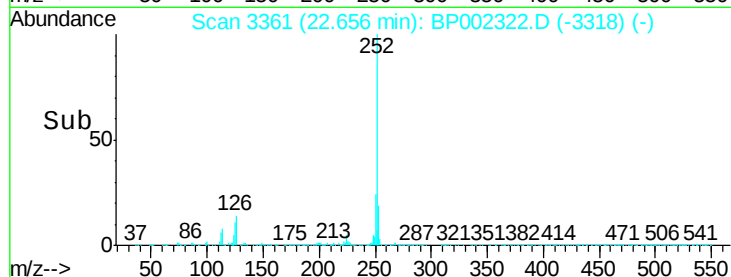
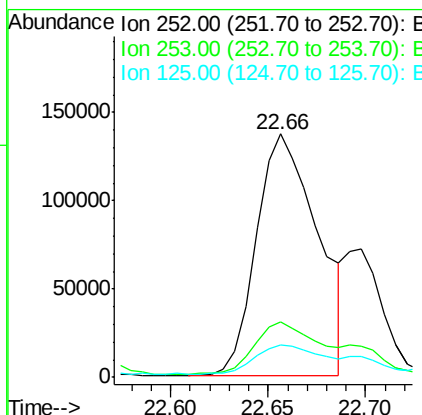
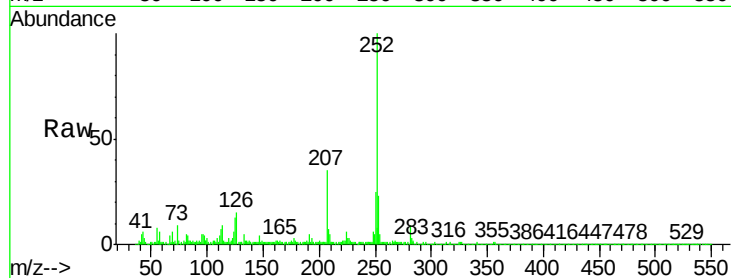




#89
Benzo(k)fluoranthene
Concen: 3.680 ng
RT: 22.66 min Scan# 3361
Delta R.T. -0.05 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	13.1	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 2.716 ng
RT: 23.22 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BP002322.D
Acq: 29 May 2020 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	14.9	8.4	12.6#

