

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
 Data File : BP002328.D
 Acq On : 29 May 2020 22:35
 Operator : CG/JU
 Sample : L2745-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 30 00:51:12 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

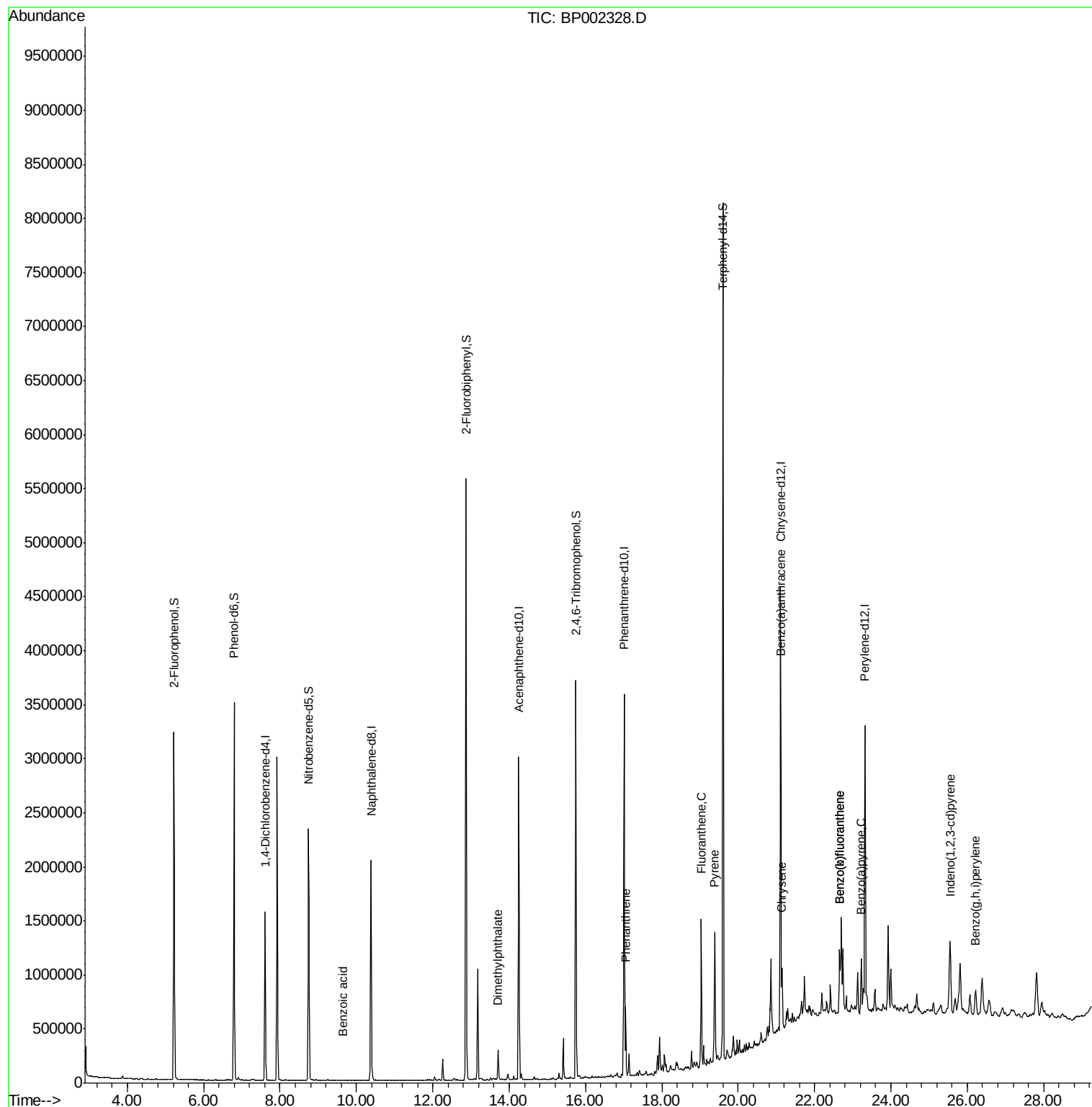
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	407039	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1694870	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	988807	20.00	ng	0.00
64) Phenanthrene-d10	17.01	188	2007926	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1803210	20.00	ng	0.00
86) Perylene-d12	23.32	264	1877330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1425888	65.79	ng	0.00
7) Phenol-d6	6.79	99	2018776	68.48	ng	0.00
23) Nitrobenzene-d5	8.75	82	1367142	48.50	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	660660	70.50	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2864631	51.12	ng	0.00
79) Terphenyl-d14	19.60	244	3729501	50.09	ng	0.00
Target Compounds						
32) Benzoic acid	9.66	122	658	4.845	ng	Qvalue # 57
50) Dimethylphthalate	13.71	163	173359	2.590	ng	100
71) Phenanthrene	17.05	178	376521	3.959	ng	100
75) Fluoranthene	19.03	202	780417	7.124	ng	100
78) Pyrene	19.39	202	726825	6.473	ng	99
81) Benzo(a)anthracene	21.10	228	385722	3.737	ng	98
83) Chrysene	21.15	228	350433	3.537	ng	98
87) Indeno(1,2,3-cd)pyrene	25.54	276	255244	2.197	ng	97
88) Benzo(b)fluoranthene	22.66	252	685515	6.698	ng	# 95
89) Benzo(k)fluoranthene	22.66	252	685515	6.980	ng	# 96
90) Benzo(a)pyrene	23.22	252	369475	3.892	ng	# 96
92) Benzo(a,h,i)perylene	26.22	276	262561	2.717	ng	# 92

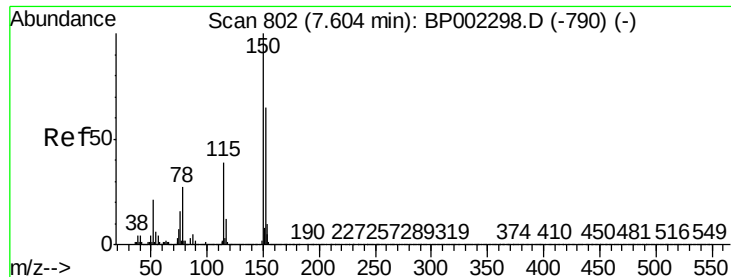
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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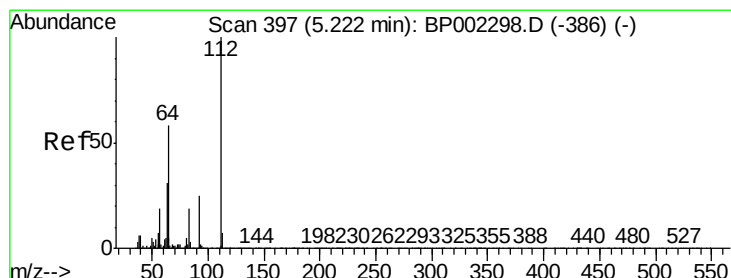
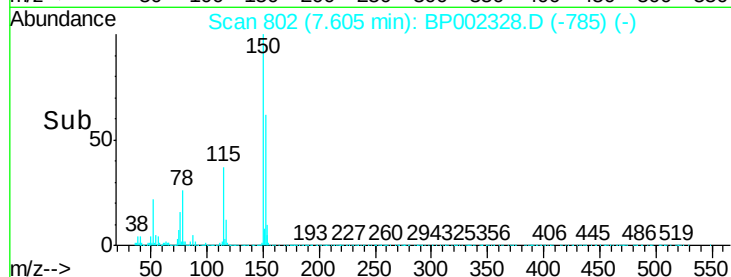
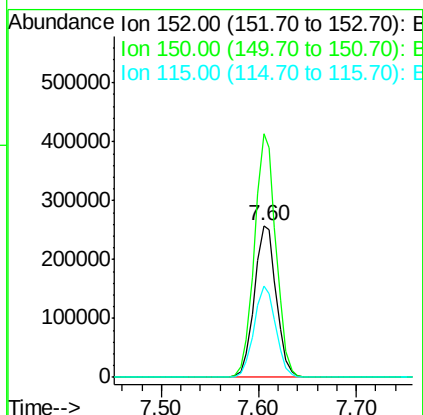
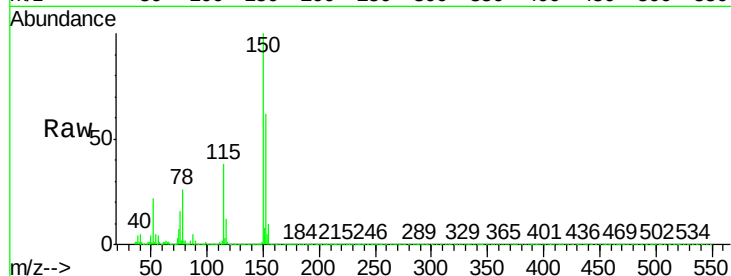


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. 0.00 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Instrument :
BNA_P
ClientSampleId :

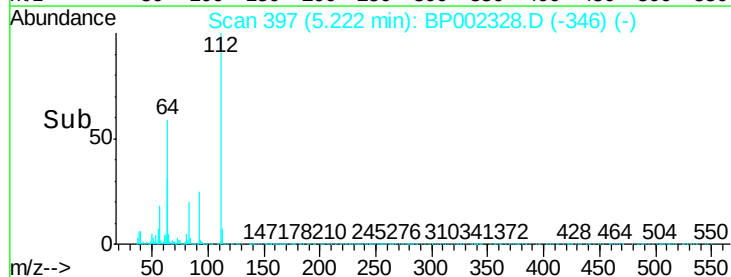
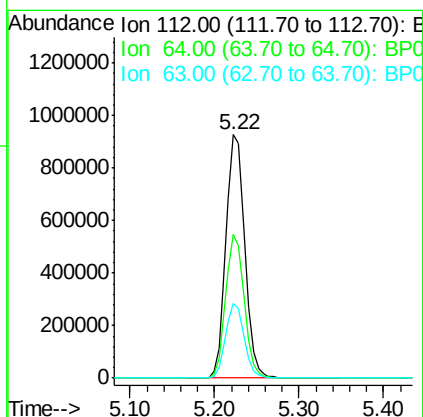
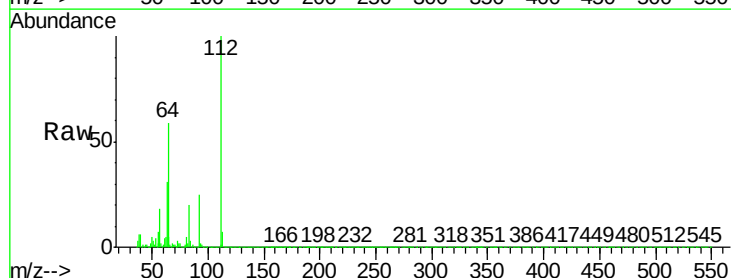
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.7	187.1
115	60.3	49.4	74.2

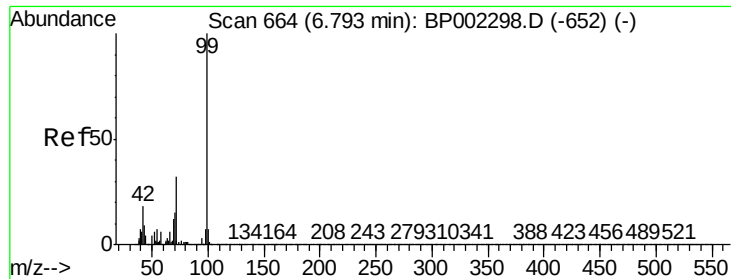


#5

2-Fluorophenol
Concen: 65.792 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.4
63	30.6	24.0	36.0





#7

Phenol-d6

Concen: 68.475 ng

RT: 6.79 min Scan# 664

Delta R.T. -0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

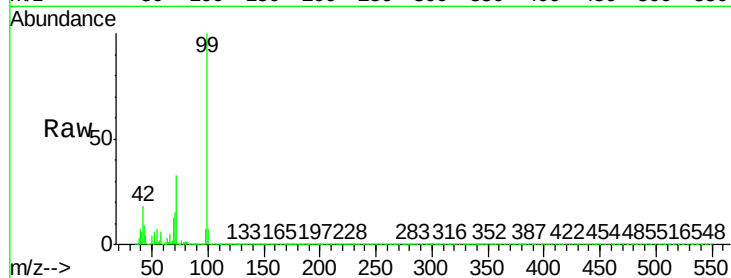
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 2018776

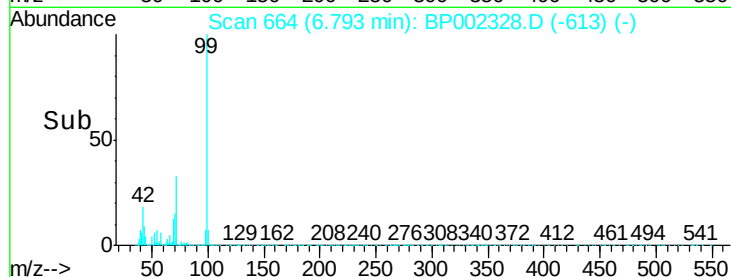
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.9	20.9
71	32.7	25.8	38.8



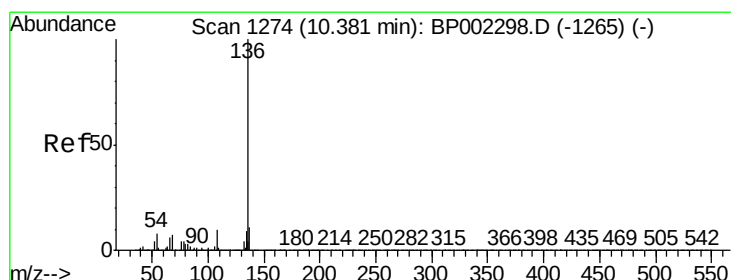
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1274

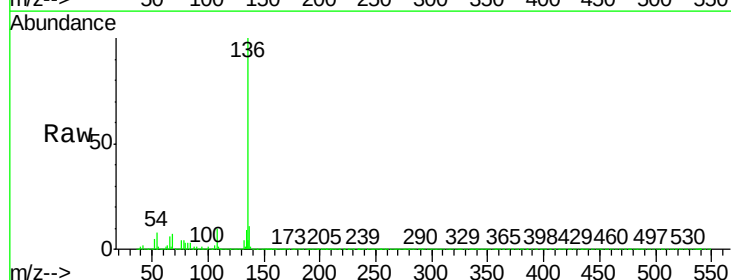
Delta R.T. -0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

Tgt Ion: 136 Resp: 1694870

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.2	6.9	10.3
68	7.0	5.6	8.4

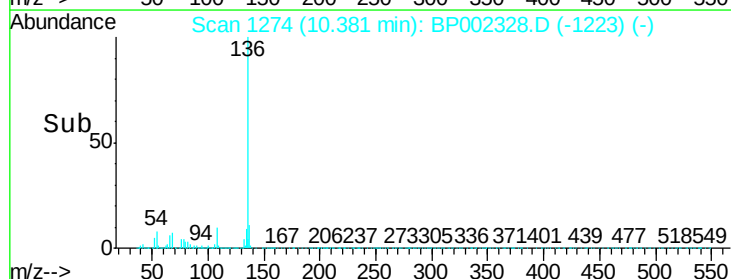


Abundance Ion 136.00 (135.70 to 136.70): E

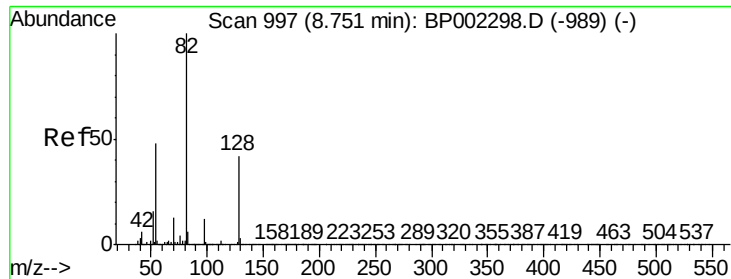
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



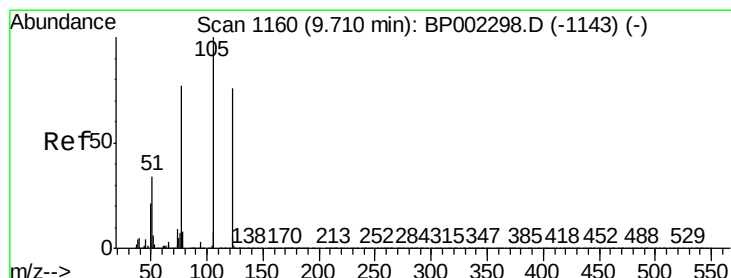
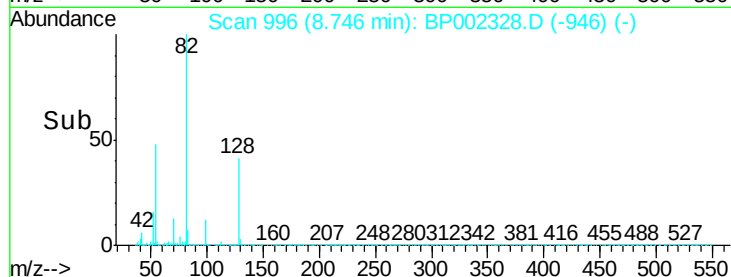
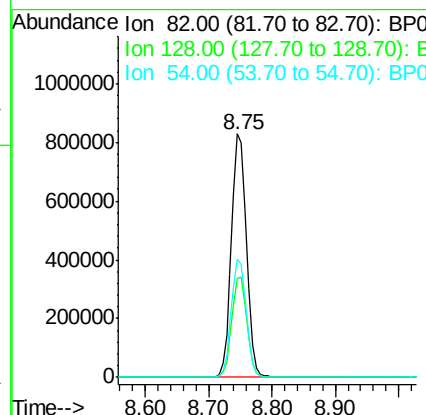
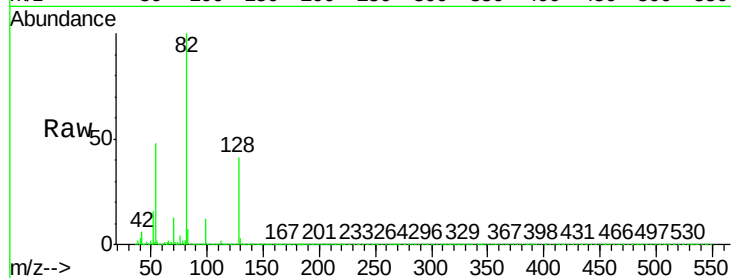
Time-->



#23
 Nitrobenzene-d5
 Concen: 48.497 ng
 RT: 8.75 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: BP002328.D
 Acq: 29 May 2020 22:35

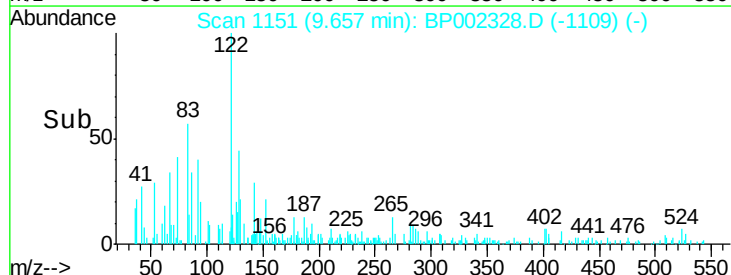
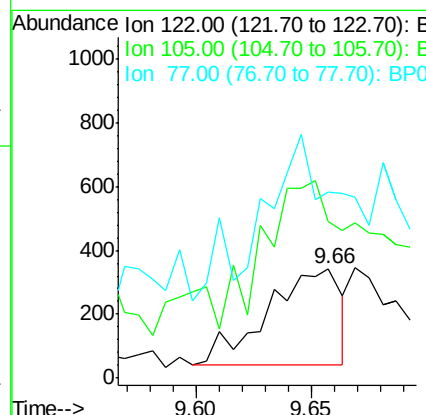
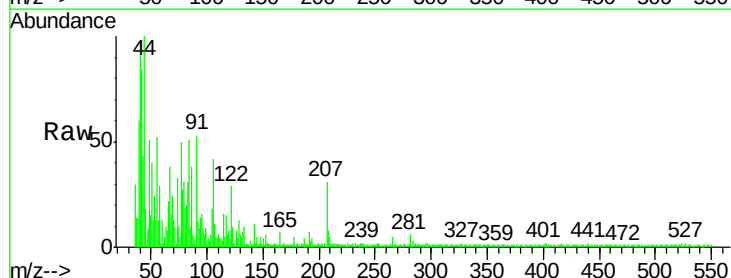
Instrument :
 BNA_P
 ClientSampled :

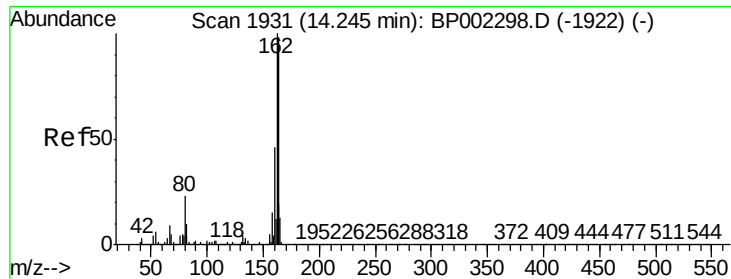
Tot Ion: 82 Resp: 1367142
 Ion Ratio Lower Upper
 82 100
 128 40.9 33.4 50.0
 54 48.4 38.3 57.5



#32
 Benzoic acid
 Concen: 4.845 ng
 RT: 9.66 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: BP002328.D
 Acq: 29 May 2020 22:35

Tgt Ion:122 Resp: 658
 Ion Ratio Lower Upper
 122 100
 105 142.6 102.7 142.7
 77 169.4 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: BP002328.D

Acq: 29 May 2020 22:35

Instrument :

BNA_P

ClientSampleId :

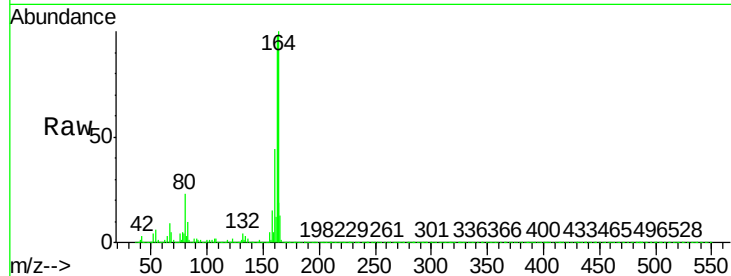
Tot Ion:164 Resp: 988807

Ion Ratio Lower Upper

164 100

162 98.5 81.3 121.9

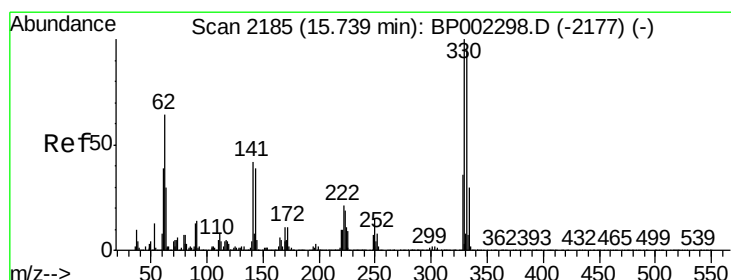
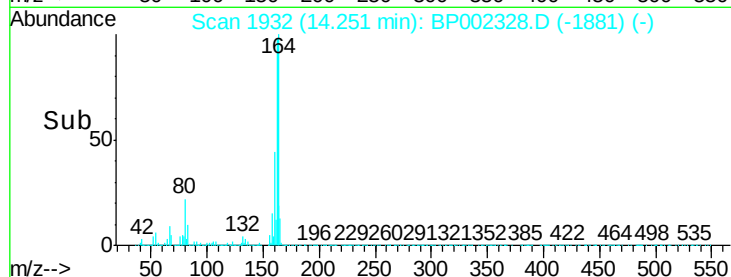
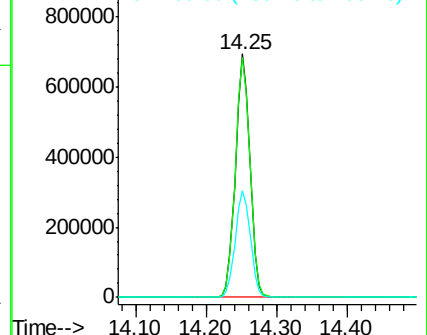
160 44.0 37.2 55.8



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: 70.497 ng

RT: 15.75 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

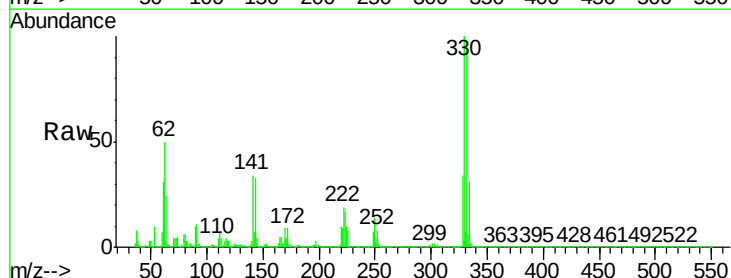
Tgt Ion:330 Resp: 660660

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

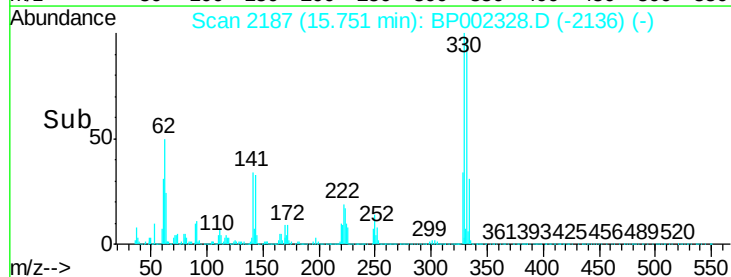
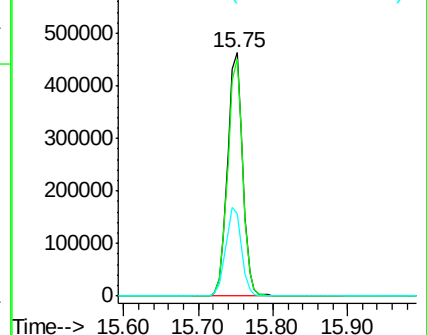
141 37.3 31.4 47.2

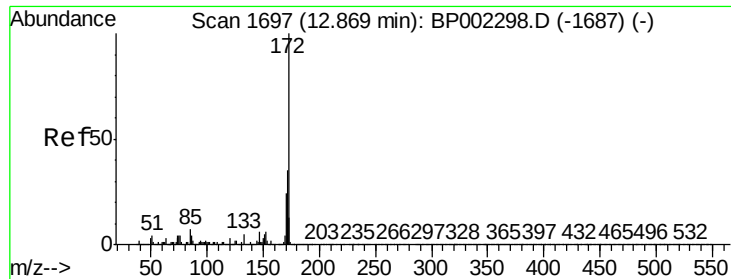


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

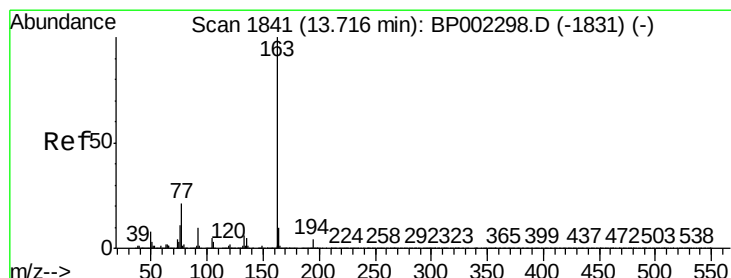
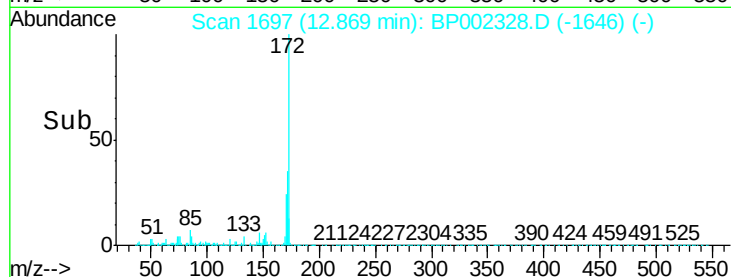
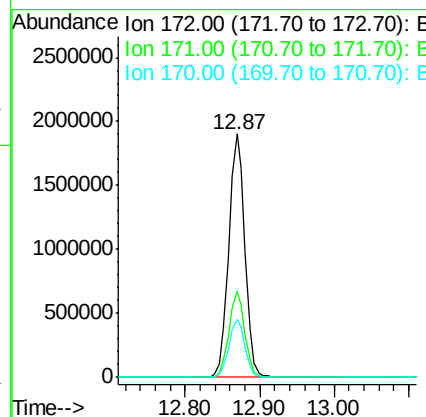
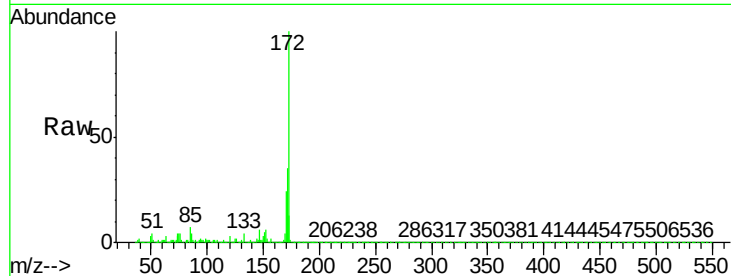




#45
2-Fluorobiphenyl
Concen: 51.120 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

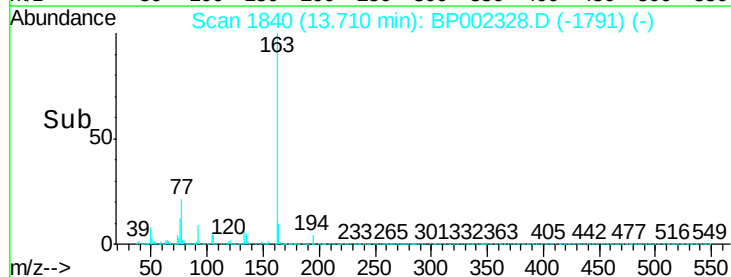
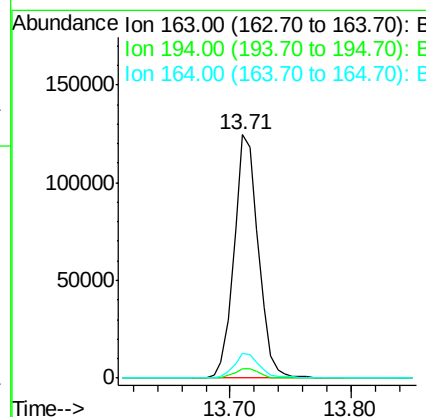
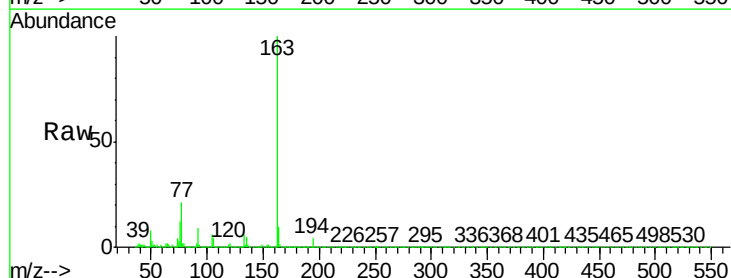
Instrument :
BNA_P
ClientSampled :

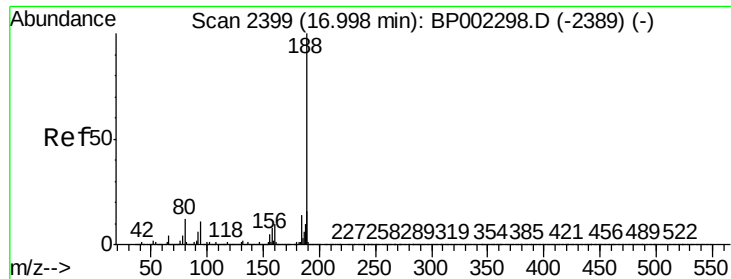
Tot Ion:172 Resp: 2864631
Ion Ratio Lower Upper
172 100
171 35.2 27.6 41.4
170 23.6 18.9 28.3



#50
Dimethylphthalate
Concen: 2.590 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Tgt Ion:163 Resp: 173359
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

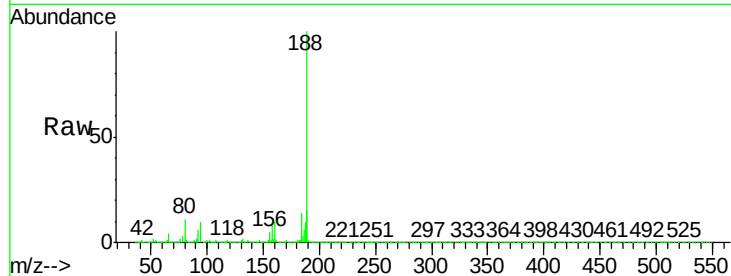
Instrument :

BNA_P

ClientSampleId :

Tot Ion:188 Resp: 2007926

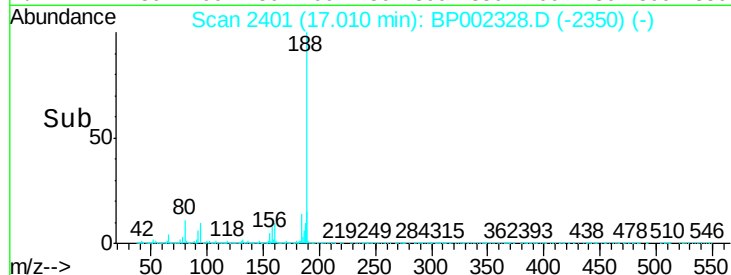
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.7	13.1
80	10.9	9.3	13.9



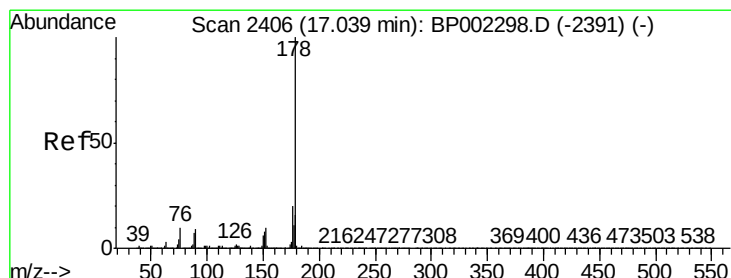
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



Time--> 16.90 17.00 17.10



#71

Phenanthrene

Concen: 3.959 ng

RT: 17.05 min Scan# 2408

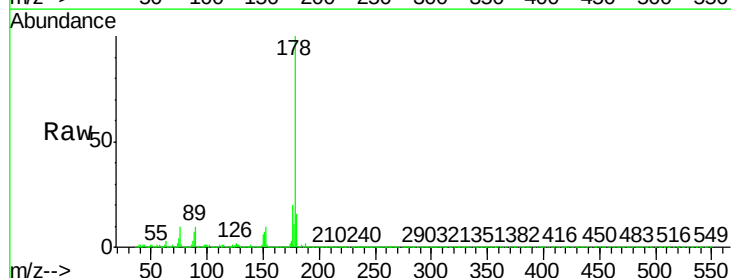
Delta R.T. -0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

Tgt Ion:178 Resp: 376521

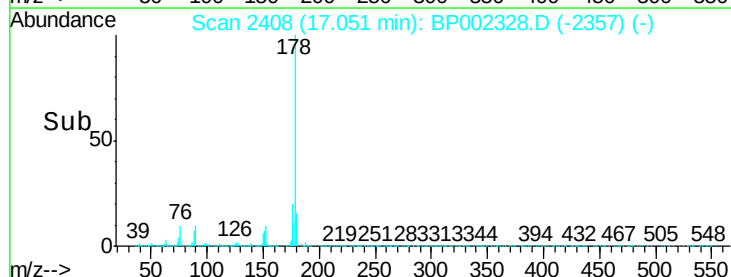
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	12.6	18.8



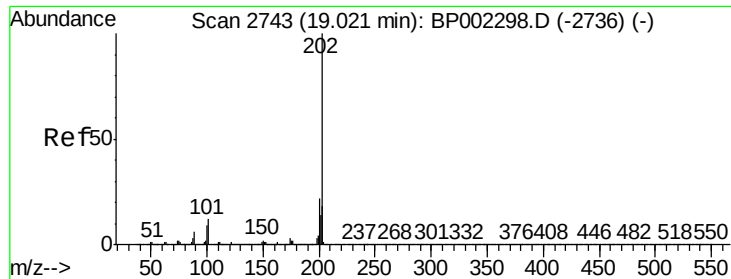
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.10



#75

Fluoranthene

Concen: 7.124 ng

RT: 19.03 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BP002328.D

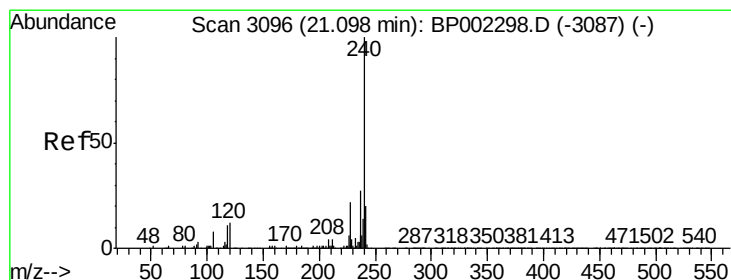
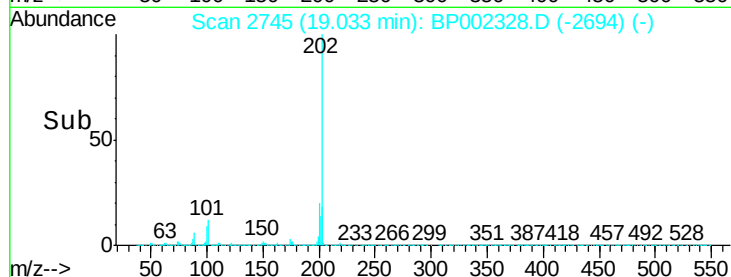
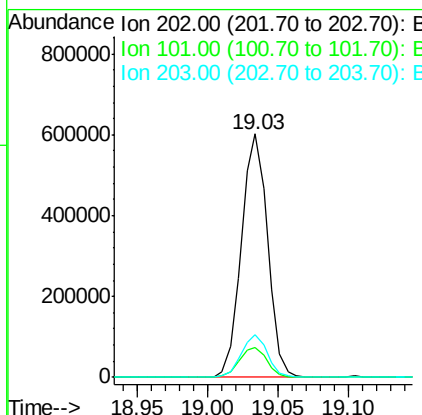
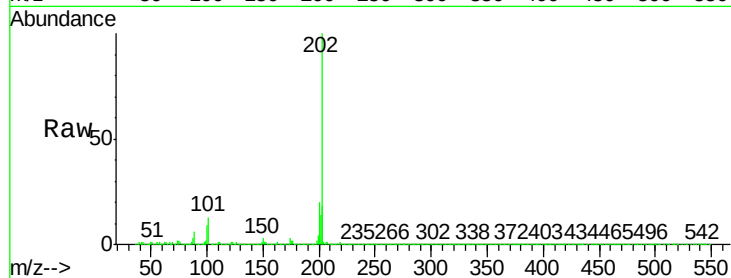
Acq: 29 May 2020 22:35

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	780417
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.1
203	17.6	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

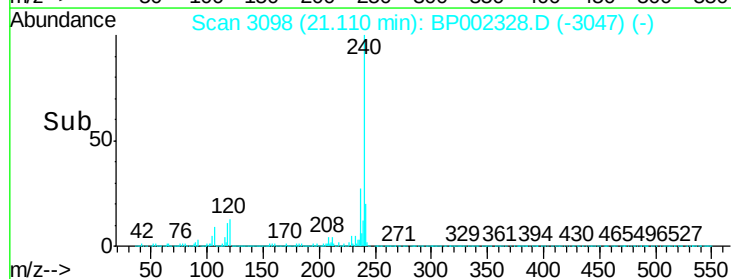
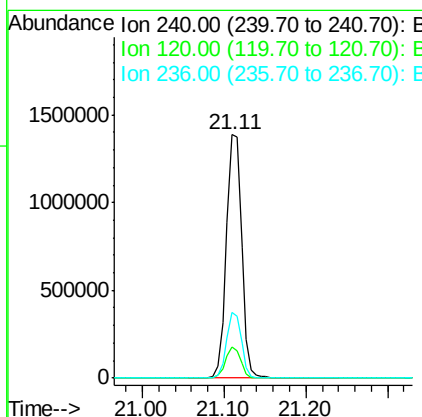
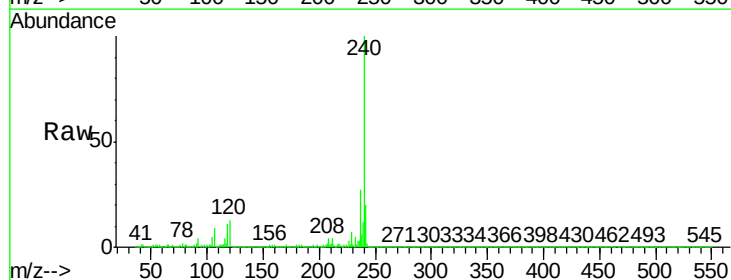
RT: 21.11 min Scan# 3098

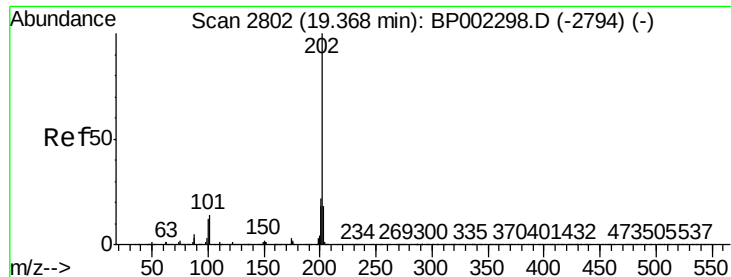
Delta R.T. 0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

Tgt Ion:	240	Resp:	1803210
Ion Ratio	Lower	Upper	
240	100		
120	12.8	8.7	13.1
236	26.7	21.0	31.4





#78

Pvrene

Concen: 6.473 ng

RT: 19.39 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BP002328.D

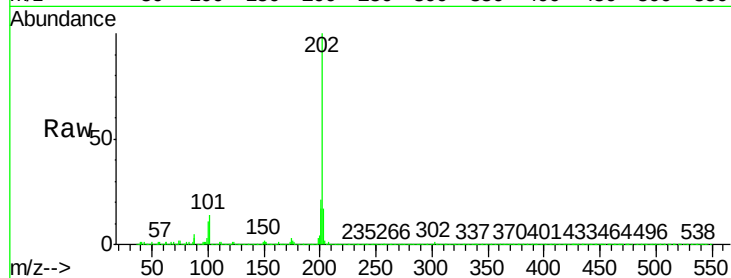
Acq: 29 May 2020 22:35

Instrument :

BNA_P

ClientSampleId :

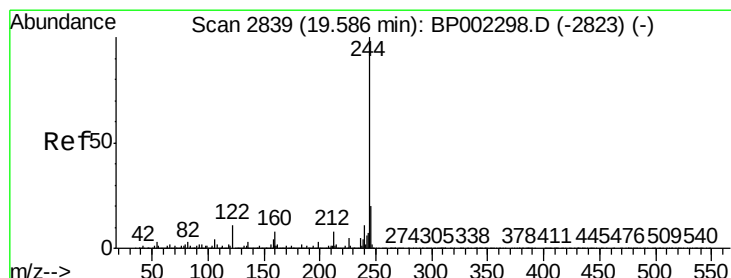
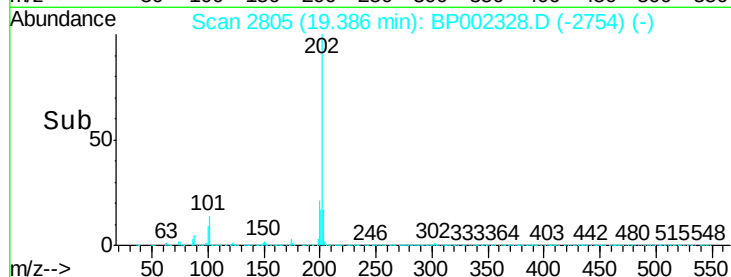
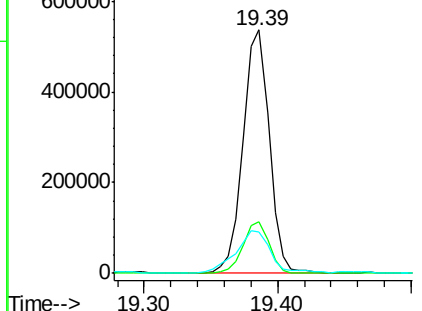
Tot Ion:	202	Resp:	726825
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.2	13.8	20.6



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: 50.087 ng

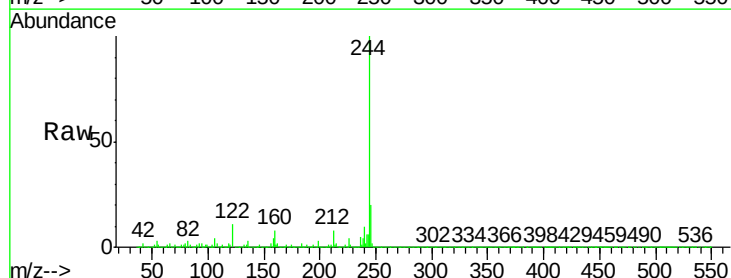
RT: 19.60 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

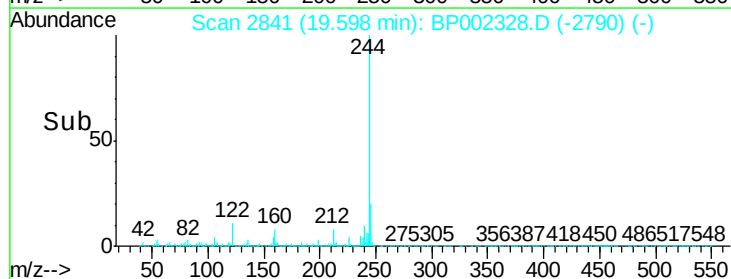
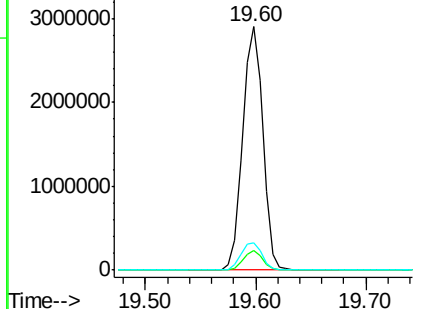
Tgt Ion:	244	Resp:	3729501
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	11.3	9.4	14.0

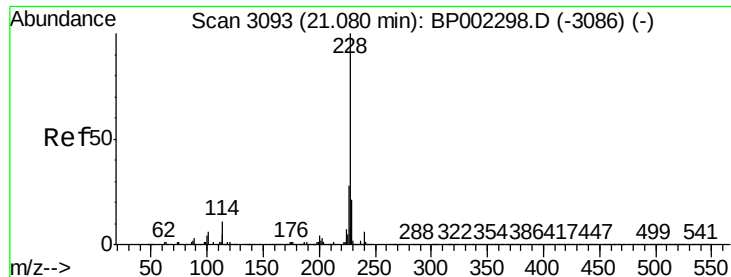


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

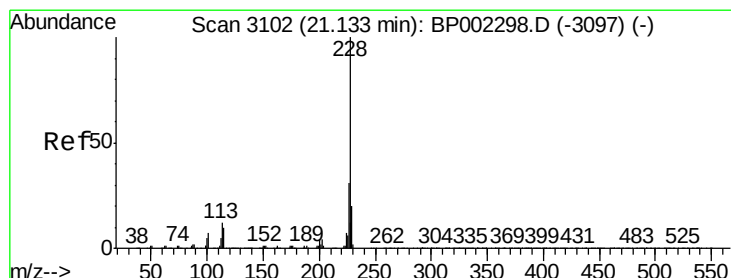
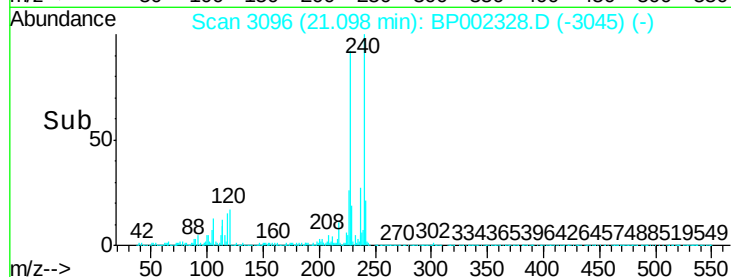
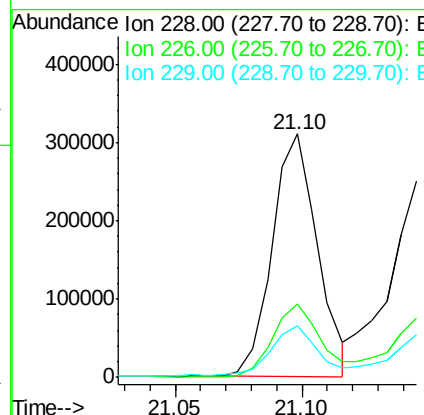
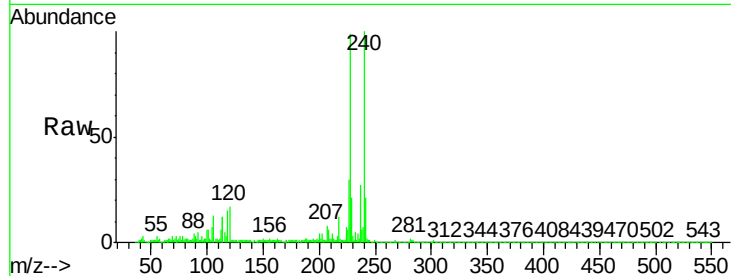




#81
Benzo(a)anthracene
Concen: 3.737 ng
RT: 21.10 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

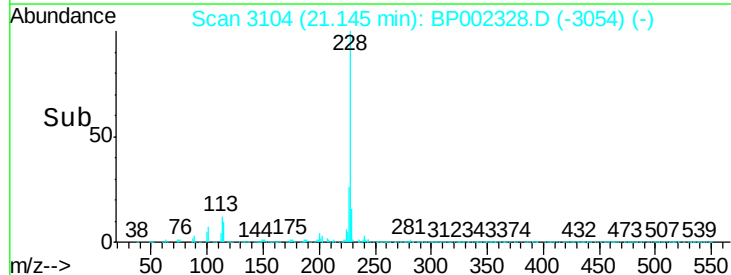
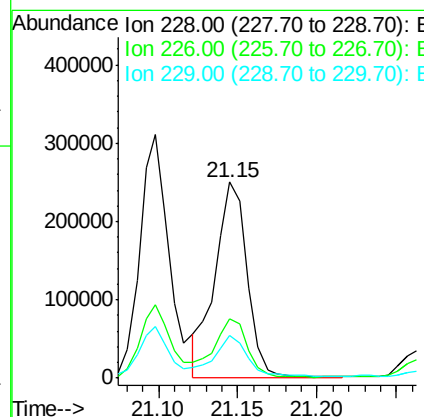
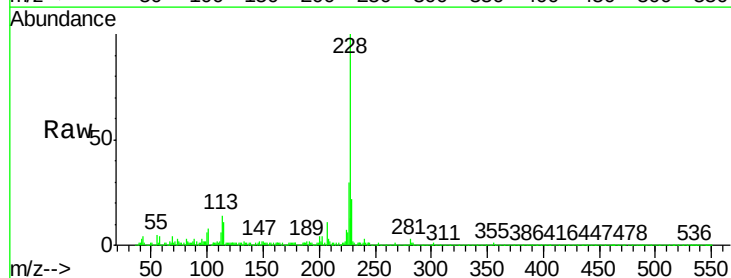
Instrument :
BNA_P
ClientSampleId :

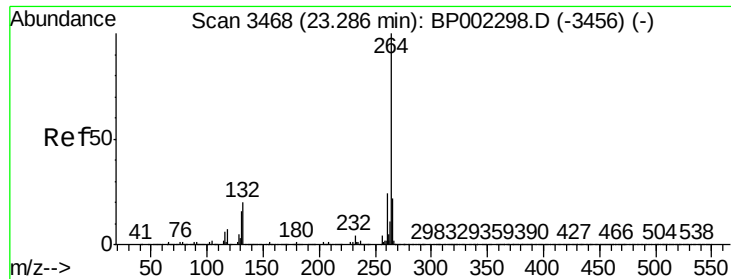
Tot Ion:228 Resp: 385722
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 21.0 16.3 24.5



#83
Chrysene
Concen: 3.537 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Tgt Ion:228 Resp: 350433
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.6 16.2 24.4



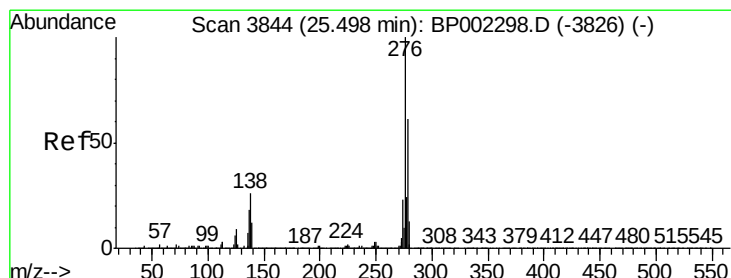
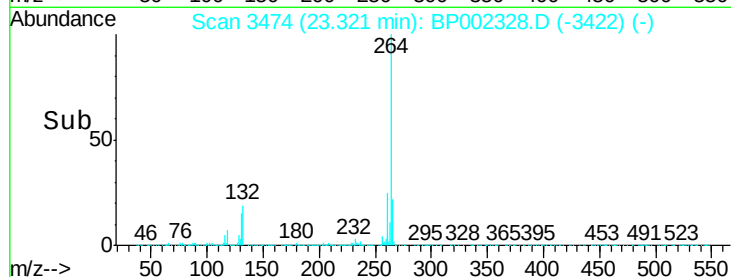
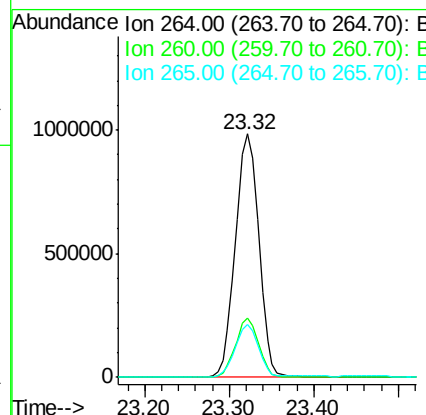
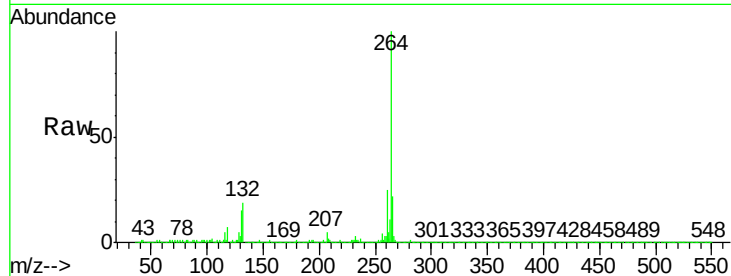


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.32 min Scan# 3474
Delta R.T. 0.01 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Instrument :
BNA_P
ClientSampled :

Tot Ion:264 Resp: 1877330

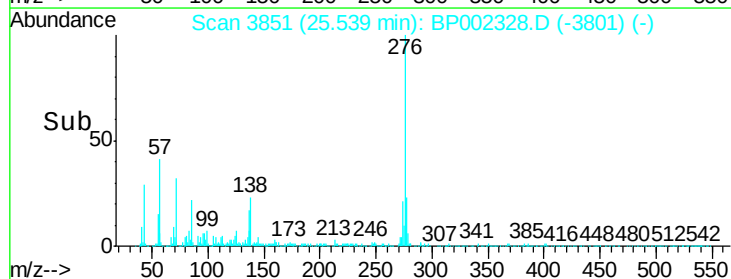
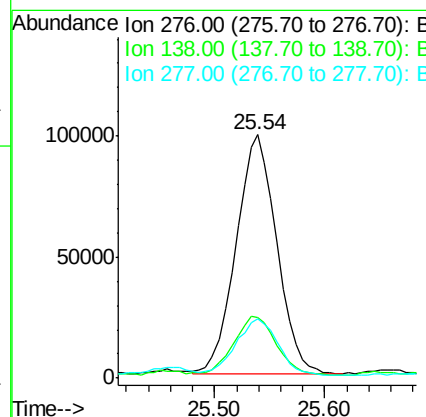
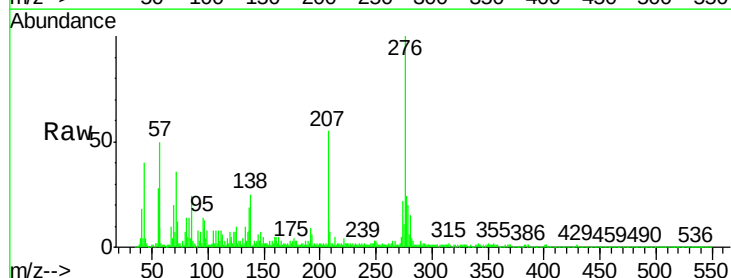
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.9	17.8	26.6

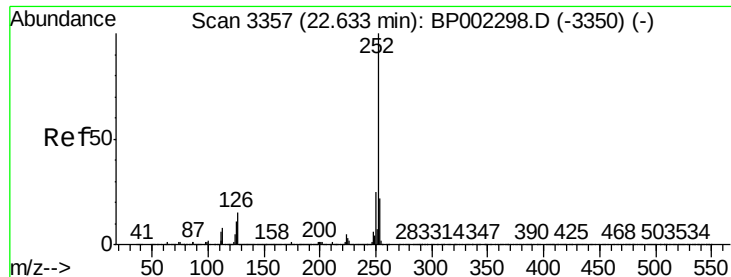


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.197 ng
RT: 25.54 min Scan# 3851
Delta R.T. -0.01 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Tgt Ion:276 Resp: 255244

Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.2	27.4
277	24.8	20.2	30.2

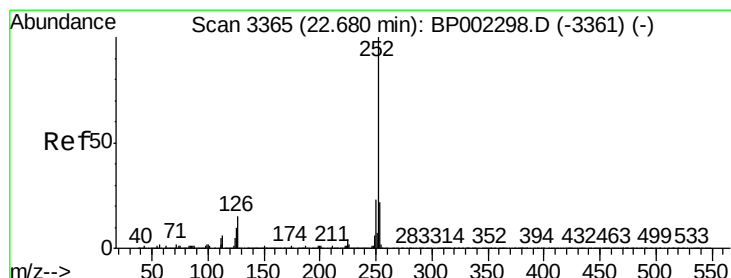
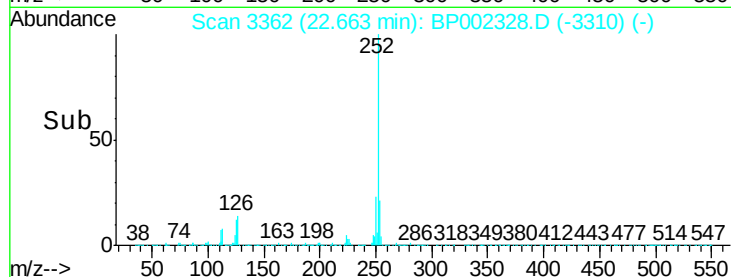
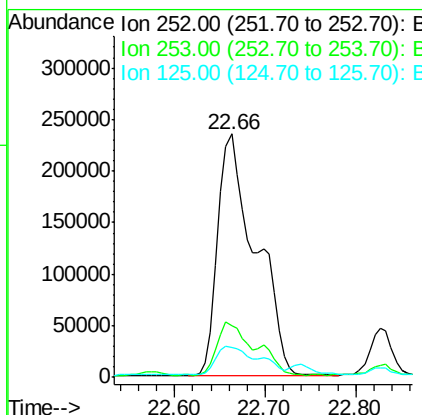
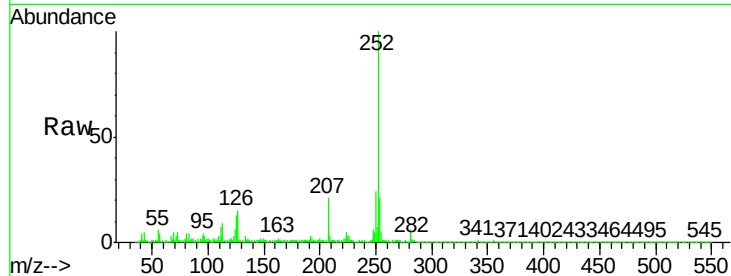




#88
Benzo(b)fluoranthene
Concen: 6.698 ng
RT: 22.66 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

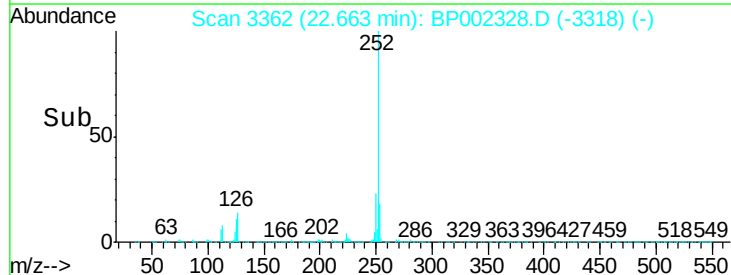
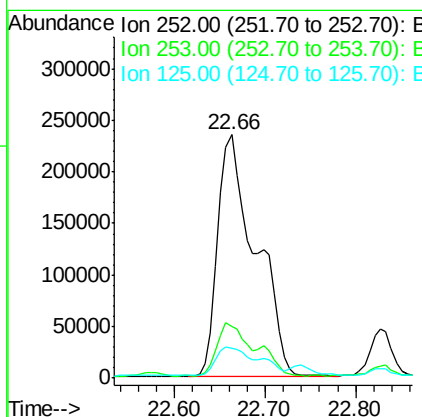
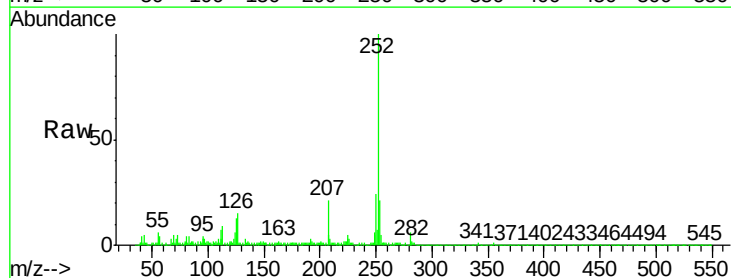
Instrument :
BNA_P
ClientSampleId :

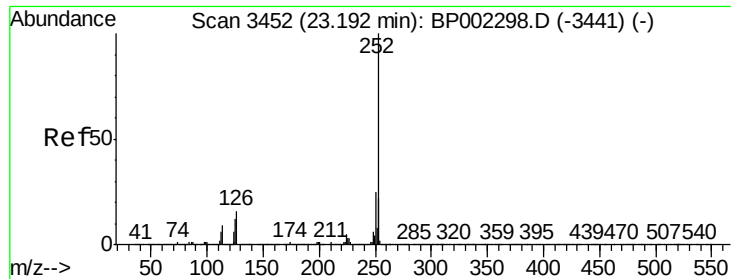
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	12.5	7.2	10.8#



#89
Benzo(k)fluoranthene
Concen: 6.980 ng
RT: 22.66 min Scan# 3362
Delta R.T. -0.04 min
Lab File: BP002328.D
Acq: 29 May 2020 22:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	12.5	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 3.892 ng

RT: 23.22 min Scan# 3457

Delta R.T. 0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

Instrument :

BNA_P

ClientSampleId :

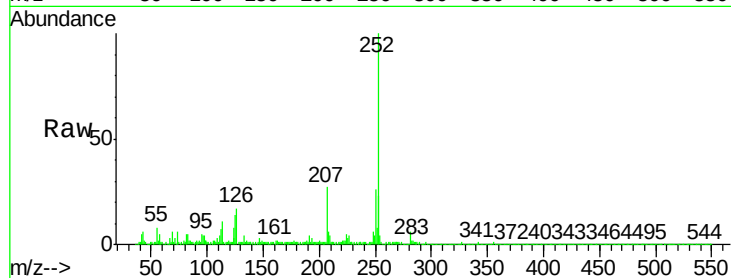
Tot Ion:252 Resp: 369475

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

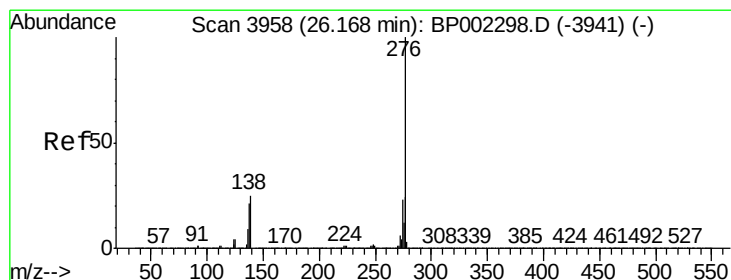
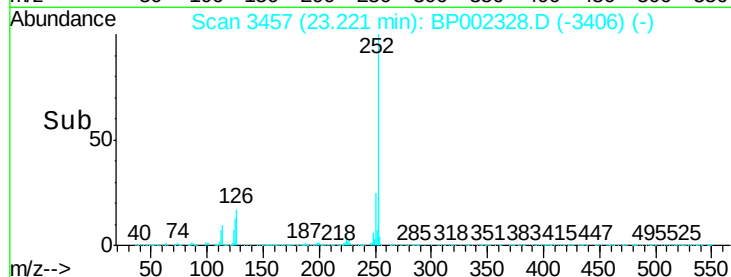
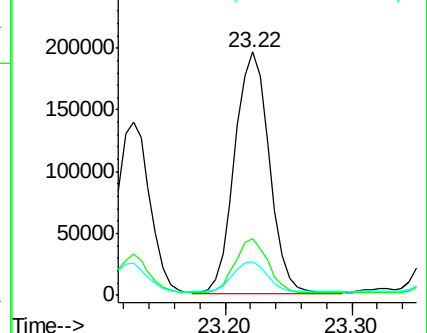
125 14.0 8.4 12.6#



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: 2.717 ng

RT: 26.22 min Scan# 3966

Delta R.T. -0.00 min

Lab File: BP002328.D

Acq: 29 May 2020 22:35

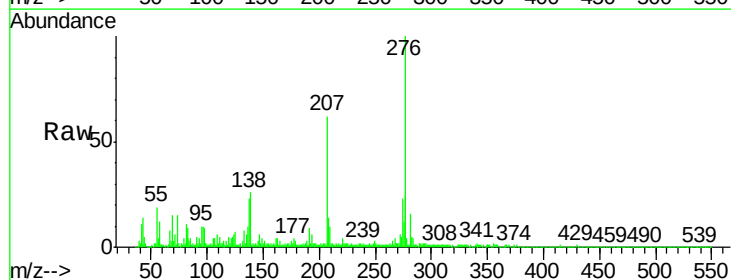
Tgt Ion:276 Resp: 262561

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 25.9 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

