

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
 Data File : BP002310.D
 Acq On : 28 May 2020 15:24
 Operator : CG/JU
 Sample : L2768-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 371

Quant Time: May 29 02:33:03 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

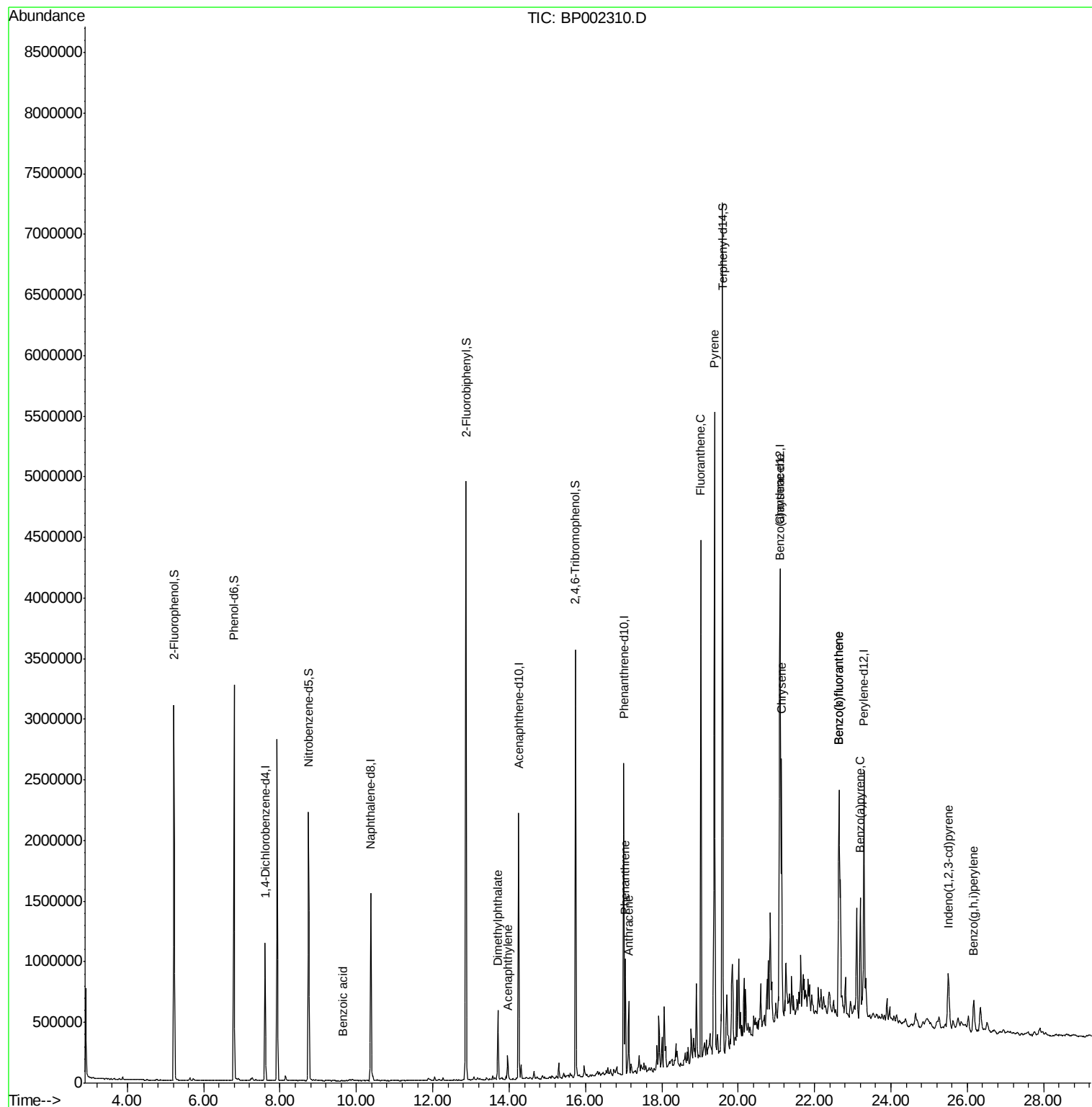
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	298901	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1240741	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	720119	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1467780	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1257170	20.00	ng	0.00
86) Perylene-d12	23.29	264	1363504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1364049	85.71	ng	0.00
7) Phenol-d6	6.79	99	1914157	88.42	ng	0.00
23) Nitrobenzene-d5	8.75	82	1281599	62.10	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	600411	87.97	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2656621	65.10	ng	0.00
79) Terphenyl-d14	19.59	244	3304574	63.66	ng	0.00
Target Compounds						
32) Benzoic acid	9.66	122	287	4.831	ng	Qvalue # 74
49) Acenaphthylene	13.96	152	148558	2.408	ng	100
50) Dimethylphthalate	13.71	163	356079	7.305	ng	100
71) Phenanthrene	17.04	178	540671	7.777	ng	100
72) Anthracene	17.13	178	367795	5.376	ng	99
75) Fluoranthene	19.02	202	2400471	29.977	ng	98
78) Pyrene	19.37	202	3057495	39.057	ng	99
81) Benzo(a)anthracene	21.08	228	1289128	17.913	ng	97
83) Chrysene	21.13	228	1252222	18.131	ng	96
87) Indeno(1,2,3-cd)pyrene	25.50	276	349201	4.138	ng	97
88) Benzo(b)fluoranthene	22.64	252	2003543	26.952	ng	# 97
89) Benzo(k)fluoranthene	22.64	252	2003543	28.086	ng	# 97
90) Benzo(a)pyrene	23.20	252	732856	10.628	ng	# 96
92) Benzo(a,h,i)perylene	26.16	276	302814	4.314	ng	# 94

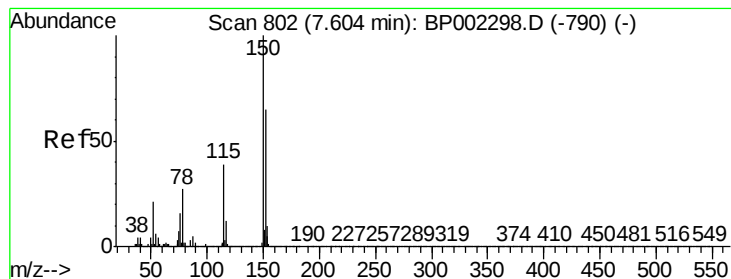
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
371

Quant Time: May 29 02:33:03 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



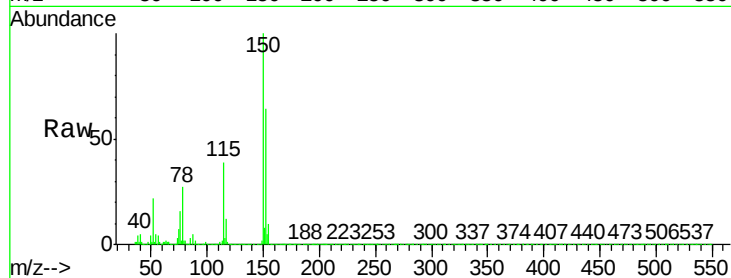


#1

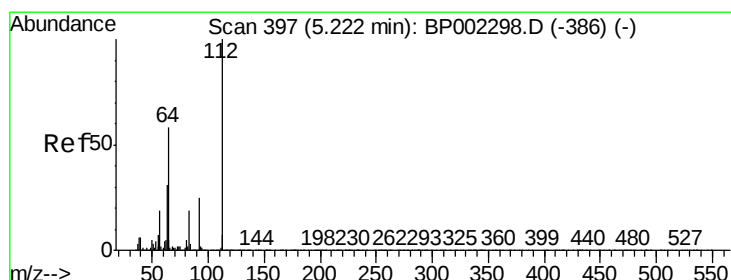
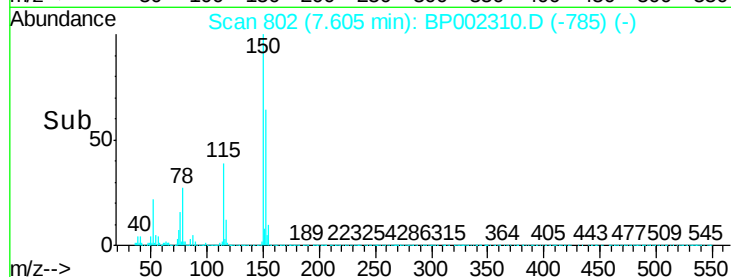
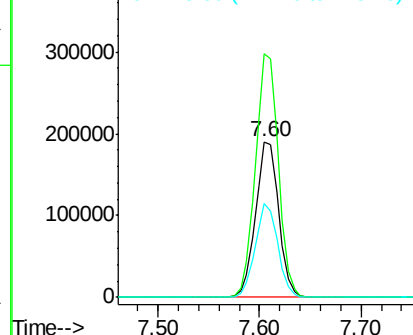
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampleId :
371

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.7	187.1
115	60.4	49.4	74.2



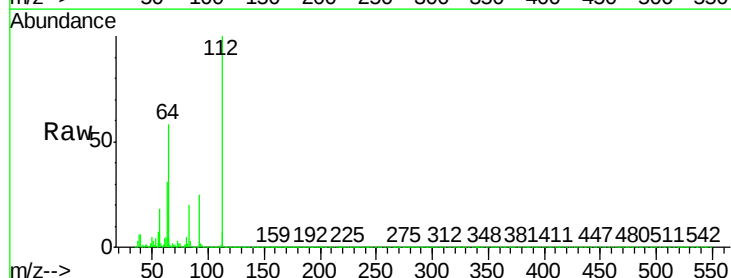
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



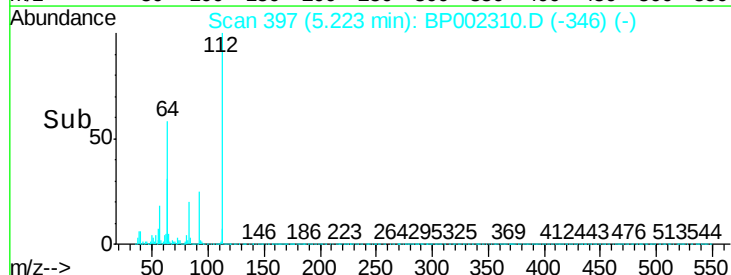
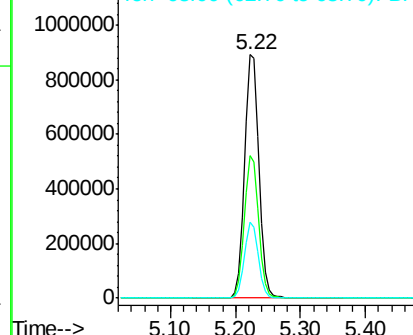
#5

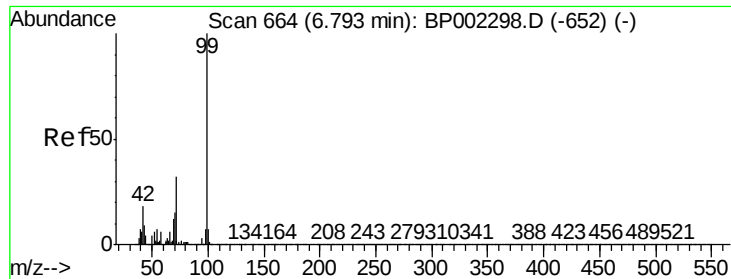
2-Fluorophenol
Concen: 85.710 ng
RT: 5.22 min Scan# 397
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.0	70.4
63	31.2	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: 88.416 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

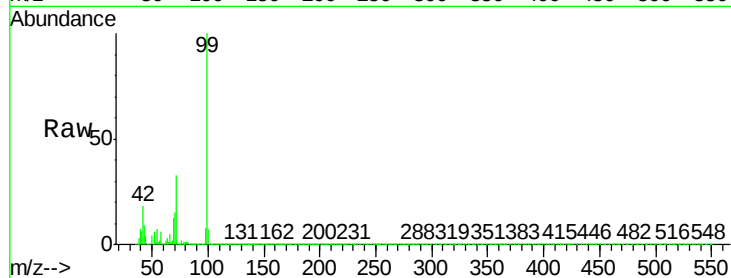
BNA_P

ClientSampleId :

371

Tot Ion: 99 Resp: 1914157

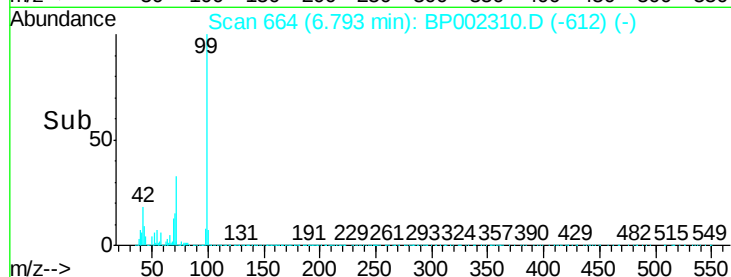
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.9	20.9
71	32.6	25.8	38.8



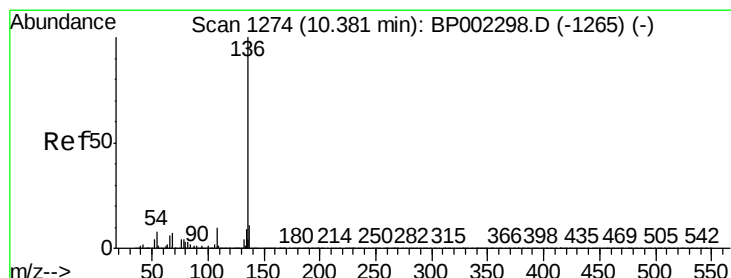
Abundance Ion 99.00 (98.70 to 99.70): BP0

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# 1273

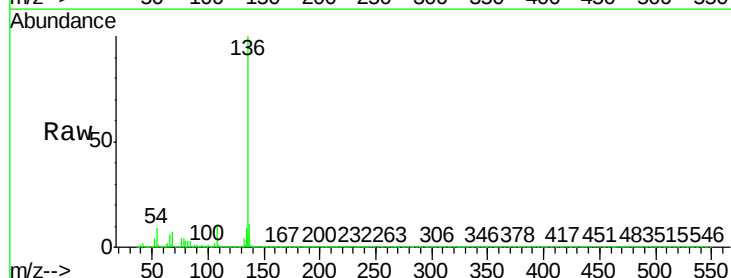
Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Tgt Ion: 136 Resp: 1240741

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.7	6.9	10.3
68	7.0	5.6	8.4

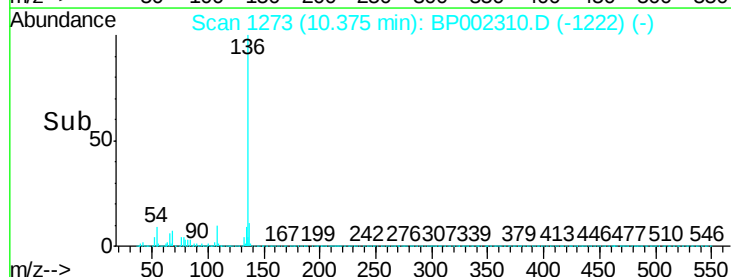


Abundance Ion 136.00 (135.70 to 136.70): E

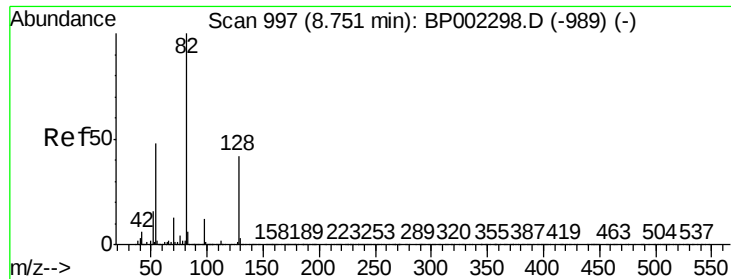
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



Time-->

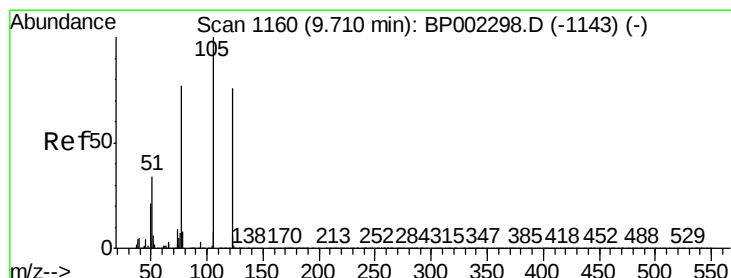
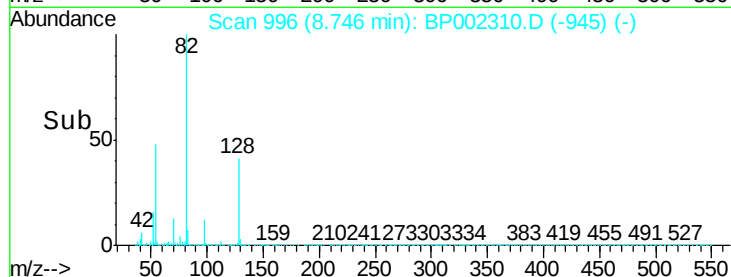
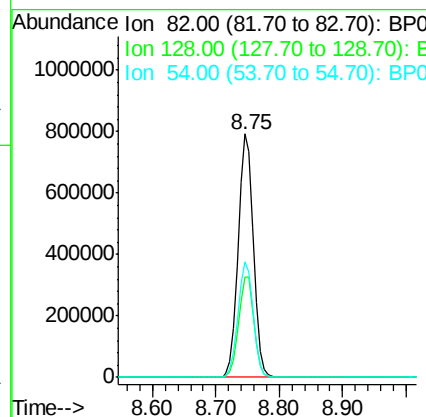
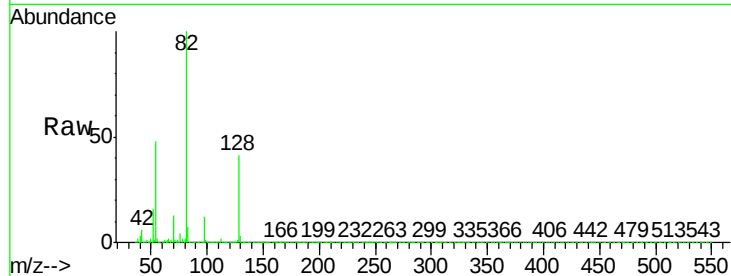


#23
 Nitrobenzene-d5
 Concen: 62.102 ng
 RT: 8.75 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BP002310.D
 Acq: 28 May 2020 15:24

Instrument :
 BNA_P
 ClientSampled :
 371

Tot Ion: 82 Resp: 1281599

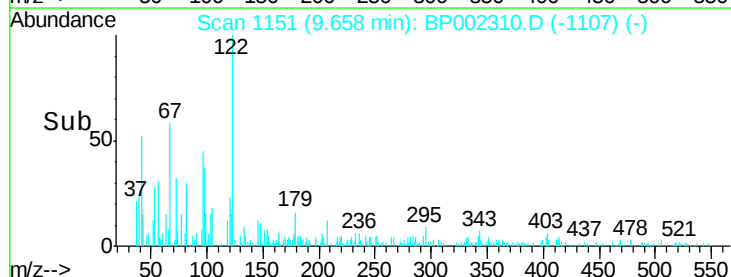
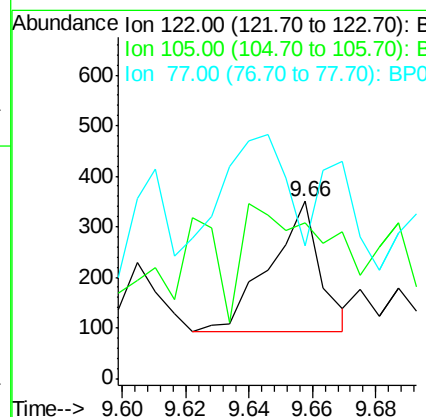
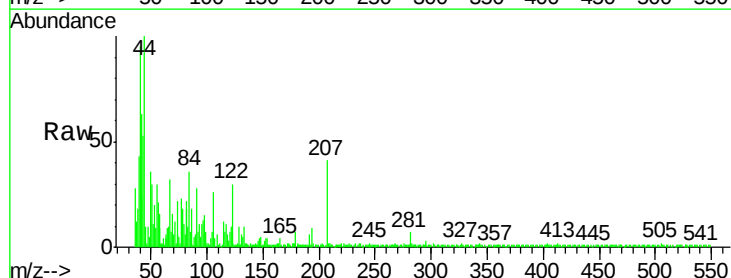
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	47.5	38.3	57.5

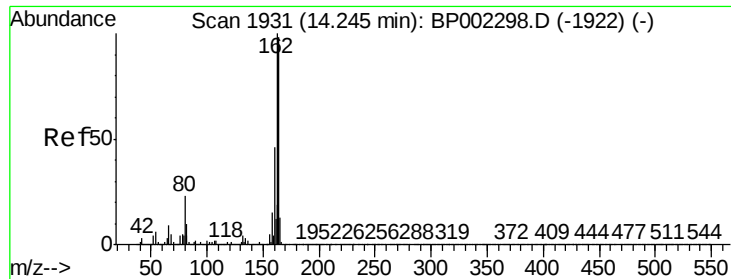


#32
 Benzoic acid
 Concen: 4.831 ng
 RT: 9.66 min Scan# 1151
 Delta R.T. -0.04 min
 Lab File: BP002310.D
 Acq: 28 May 2020 15:24

Tgt Ion: 122 Resp: 287

Ion	Ratio	Lower	Upper
122	100		
105	88.0	102.7	142.7#
77	74.9	74.8	114.8

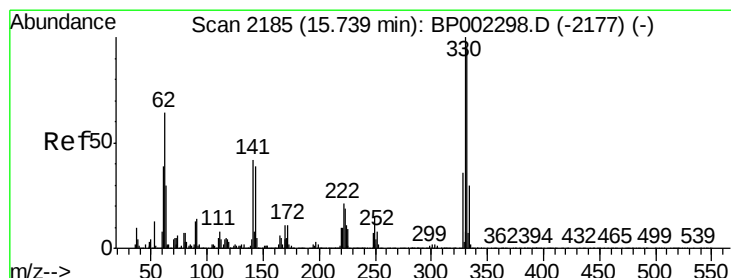
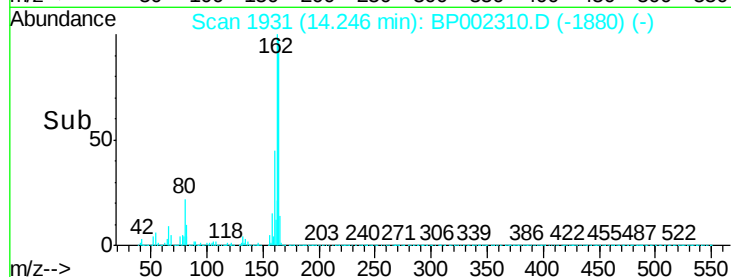
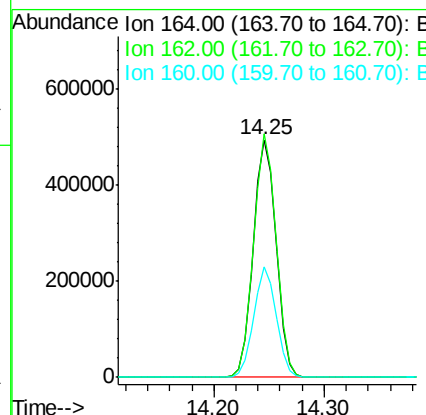
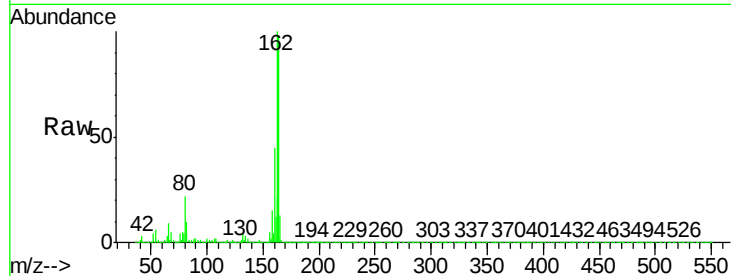




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

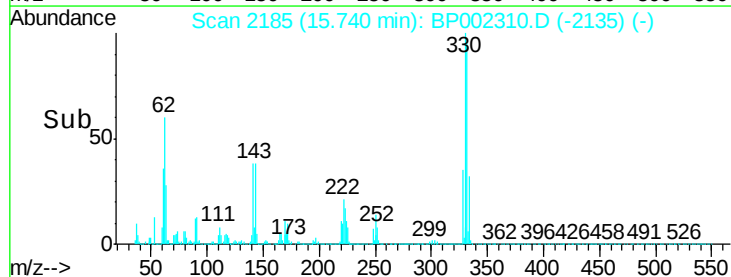
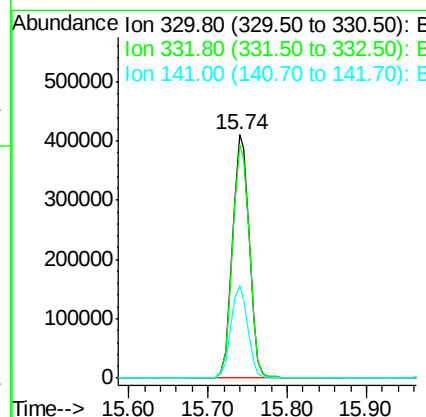
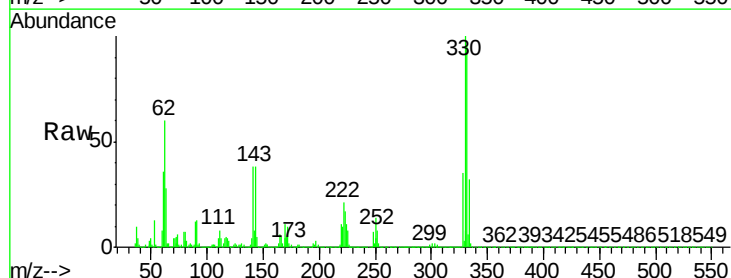
Instrument :
BNA_P
ClientSampleId :
371

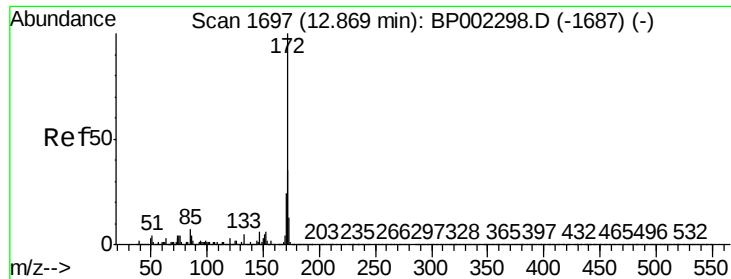
Tot Ion:164 Resp: 720119
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 87.973 ng
RT: 15.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion:330 Resp: 600411
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 37.9 31.4 47.2

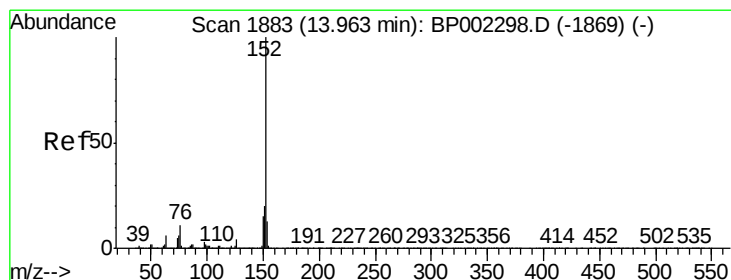
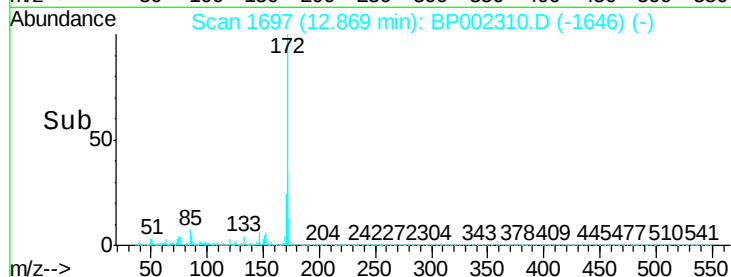
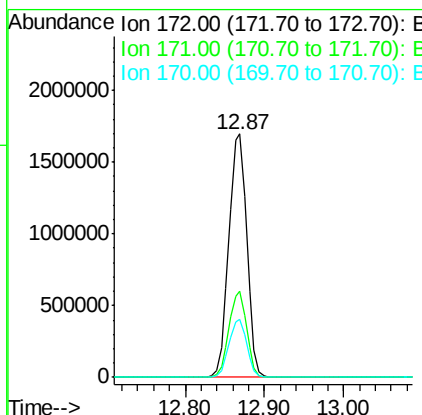
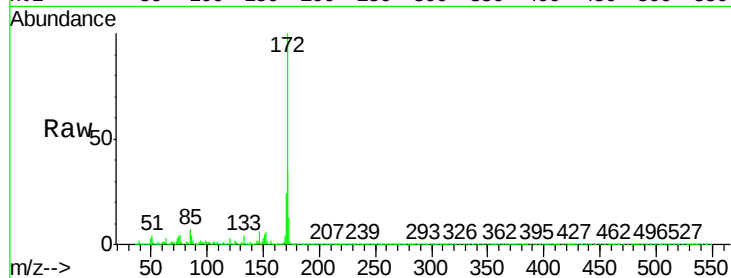




#45
2-Fluorobiphenyl
Concen: 65.096 ng
RT: 12.87 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

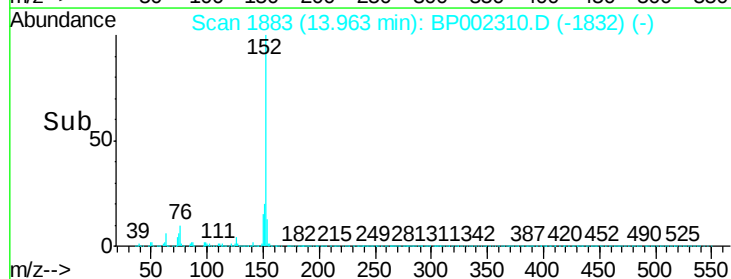
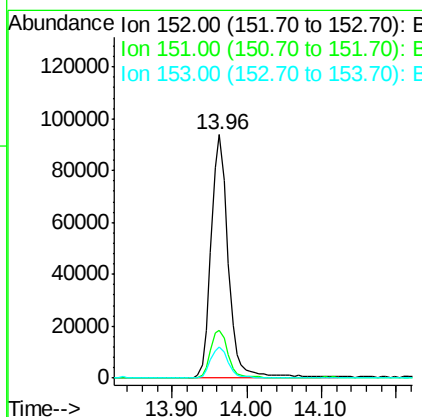
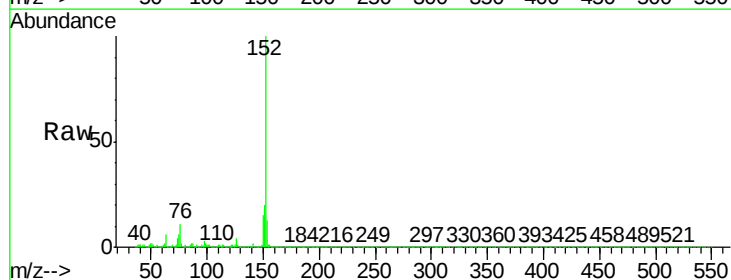
Instrument :
BNA_P
ClientSampleId :
371

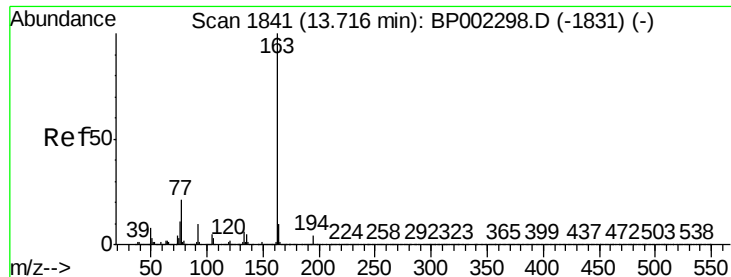
Tot Ion:172 Resp: 2656621
Ion Ratio Lower Upper
172 100
171 35.3 27.6 41.4
170 24.0 18.9 28.3



#49
Acenaphthylene
Concen: 2.408 ng
RT: 13.96 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion:152 Resp: 148558
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.9 10.4 15.6





#50

Dimethylphthalate

Concen: 7.305 ng

RT: 13.71 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

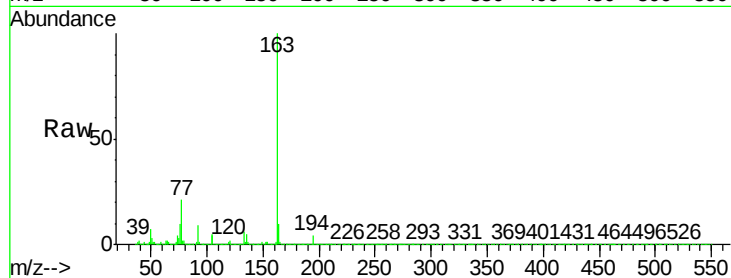
Tot Ion:163 Resp: 356079

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

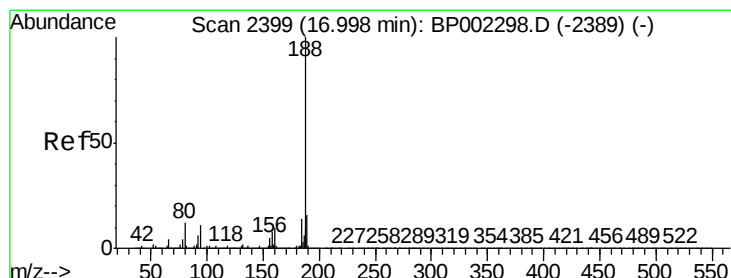
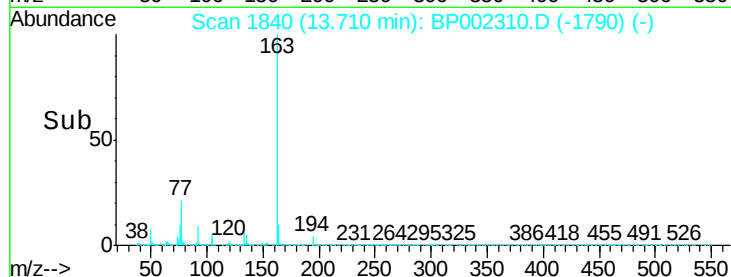
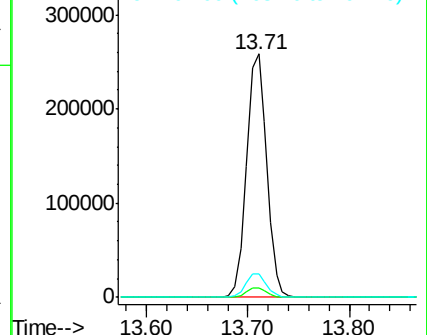
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

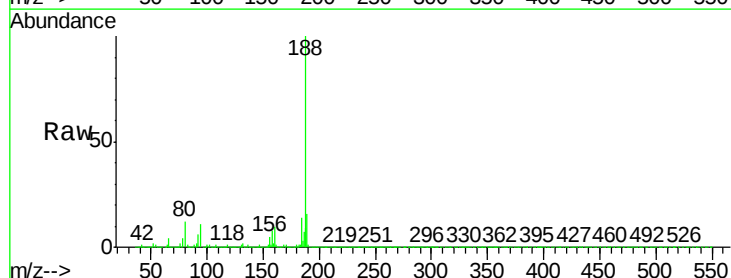
Tgt Ion:188 Resp: 1467780

Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

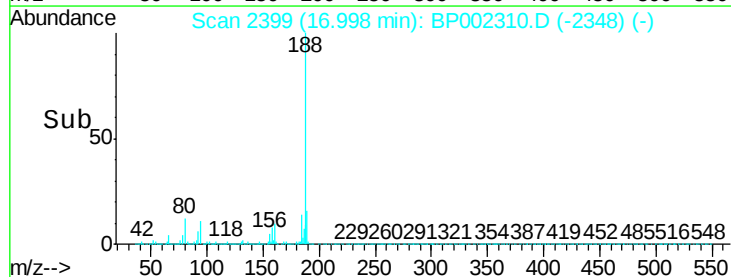
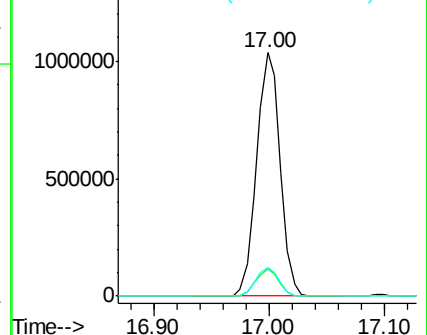
80 11.9 9.3 13.9

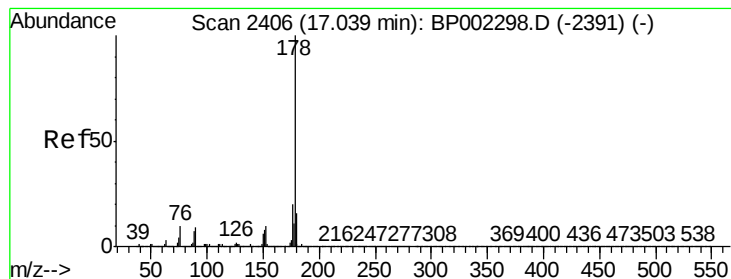


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 7.777 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampled :

371

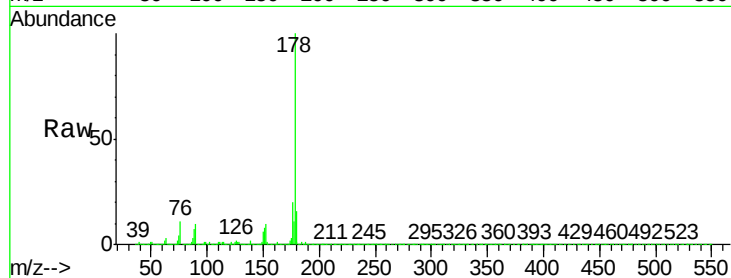
Tot Ion:178 Resp: 540671

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

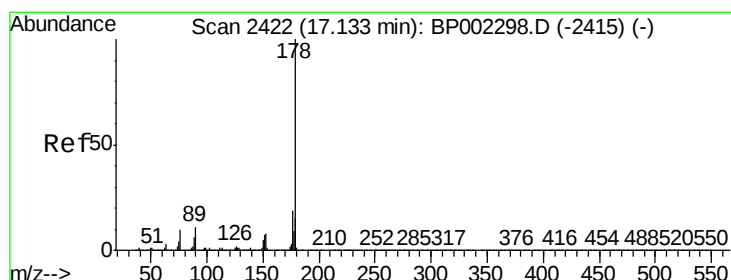
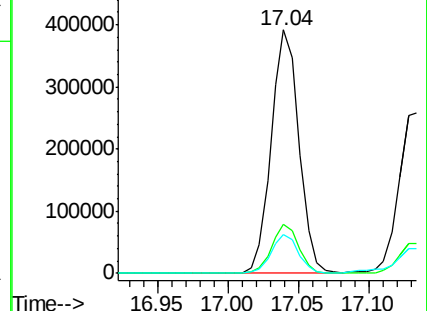
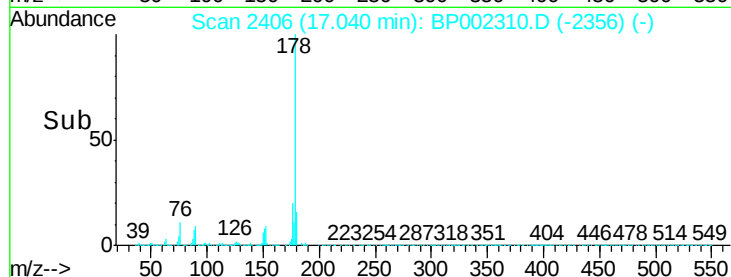
179 15.7 12.6 18.8



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



#72

Anthracene

Concen: 5.376 ng

RT: 17.13 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

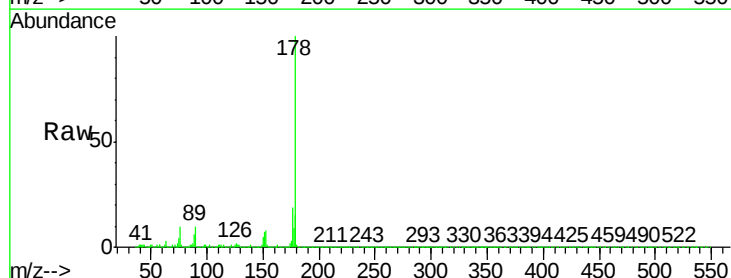
Tgt Ion:178 Resp: 367795

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

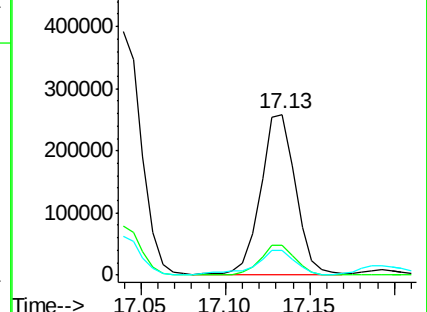
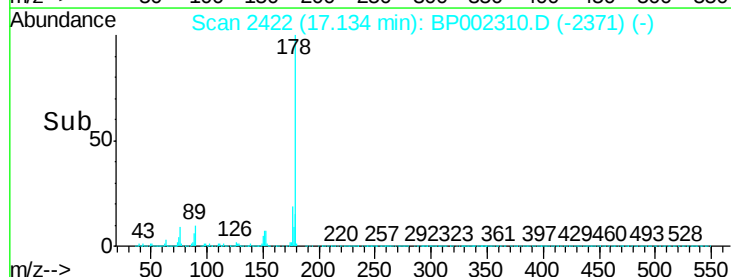
179 15.3 12.6 19.0

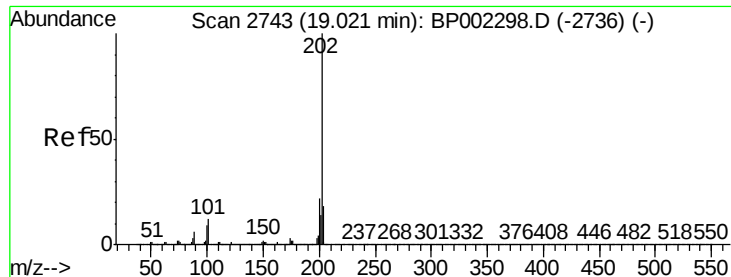


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 29.977 ng

RT: 19.02 min Scan# 2743

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampled :

371

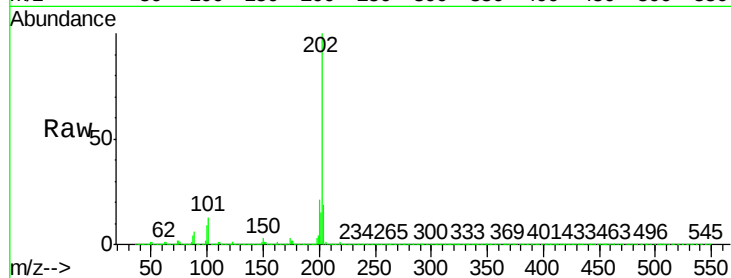
Tot Ion:202 Resp: 2400471

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.1

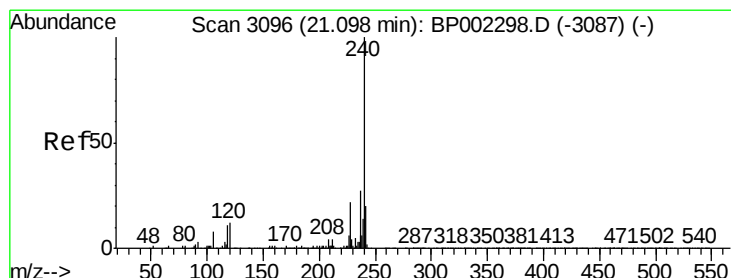
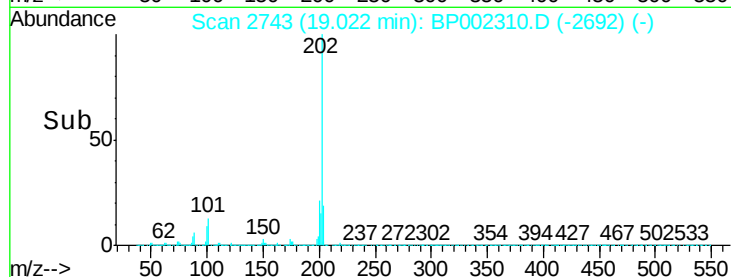
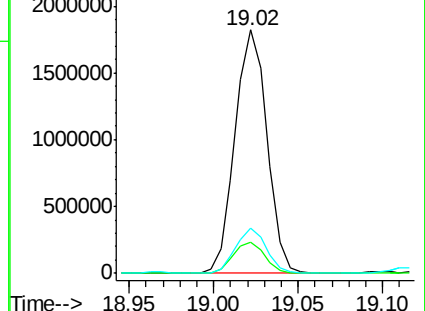
203 18.7 0.0 37.6



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: 21.10 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

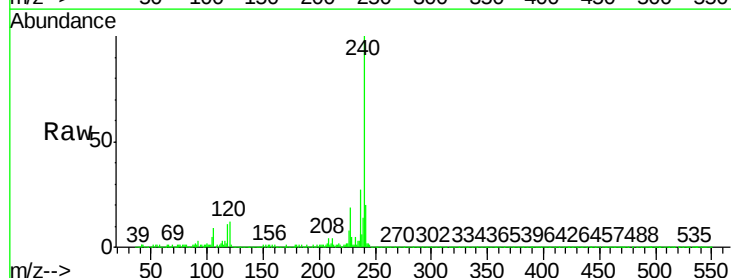
Tgt Ion:240 Resp: 1257170

Ion Ratio Lower Upper

240 100

120 12.4 8.7 13.1

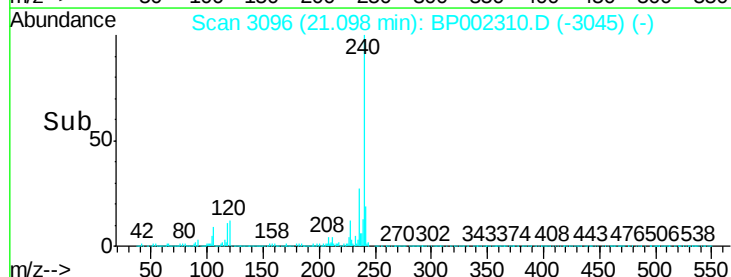
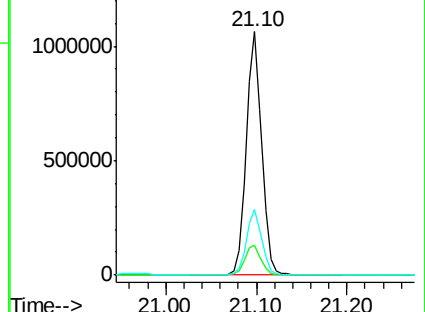
236 26.8 21.0 31.4

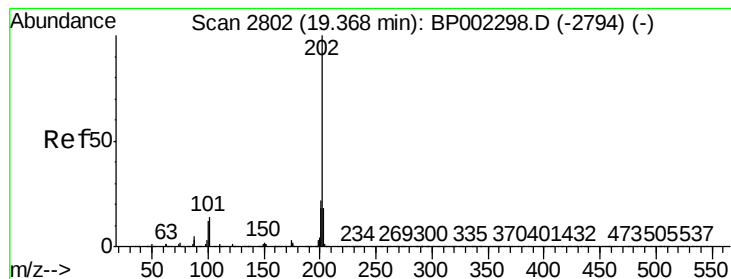


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 39.057 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

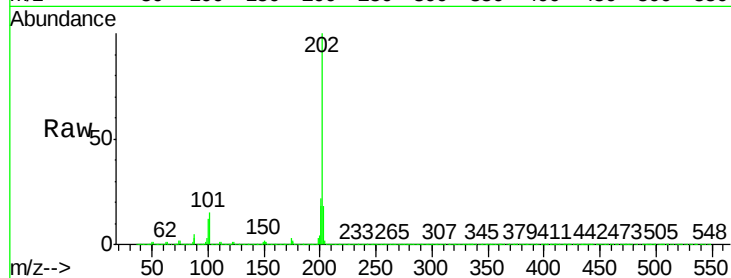
Tot Ion:202 Resp: 3057495

Ion Ratio Lower Upper

202 100

200 22.0 17.3 25.9

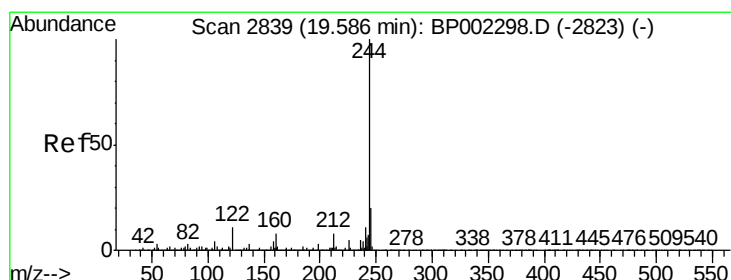
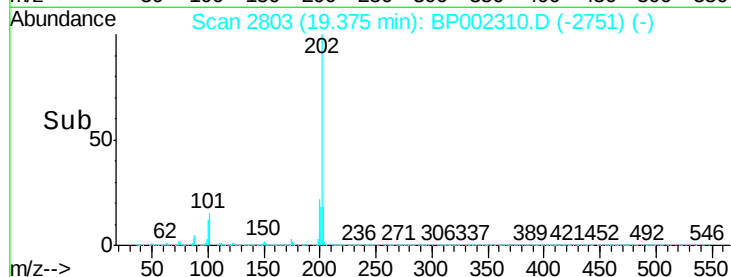
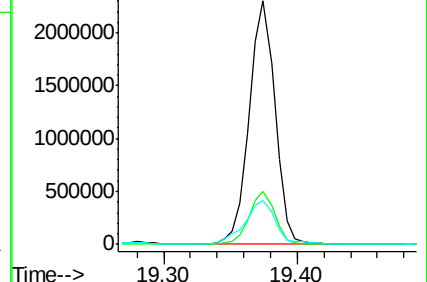
203 18.2 13.8 20.6



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: 63.657 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

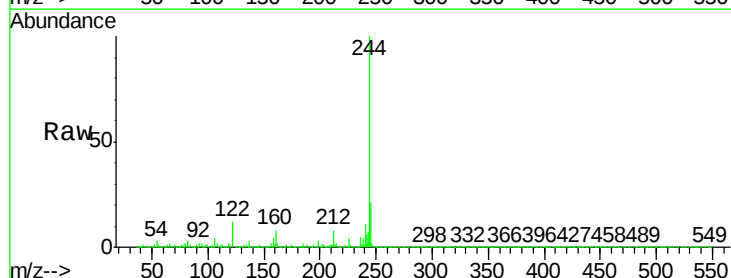
Tgt Ion:244 Resp: 3304574

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

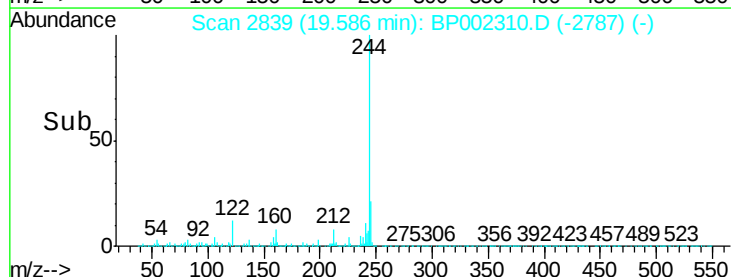
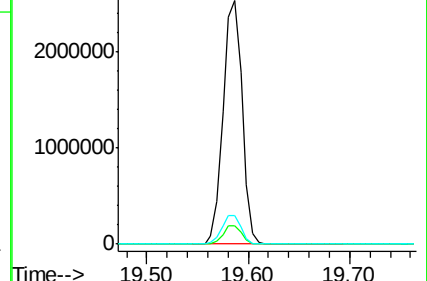
122 11.5 9.4 14.0

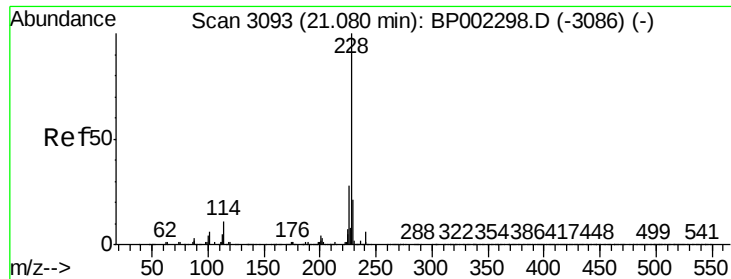


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

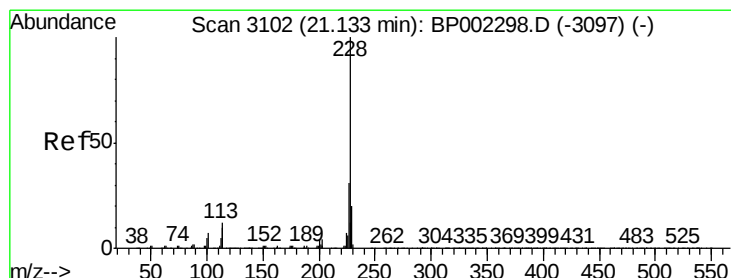
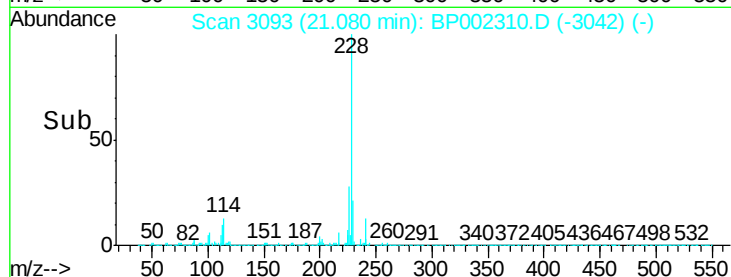
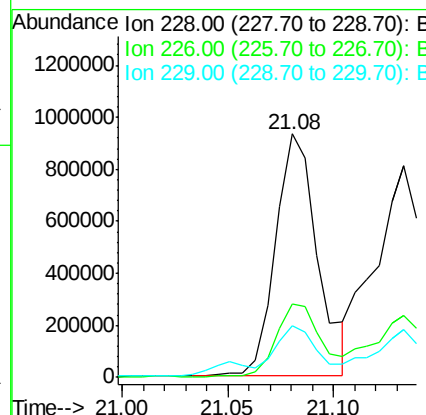
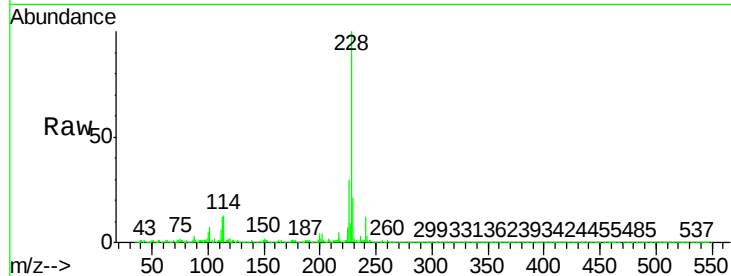




#81
Benzo(a)anthracene
Concen: 17.913 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

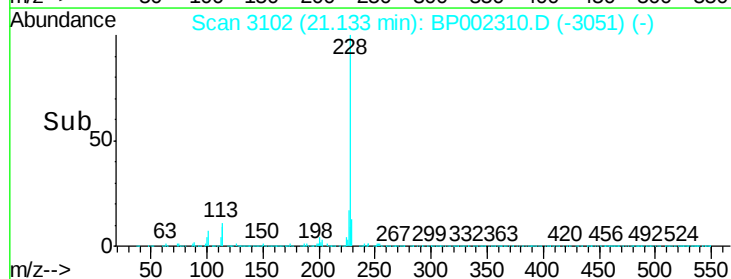
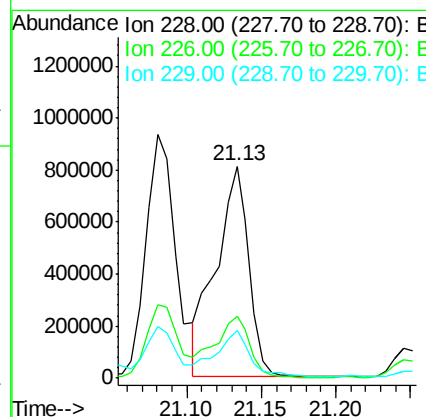
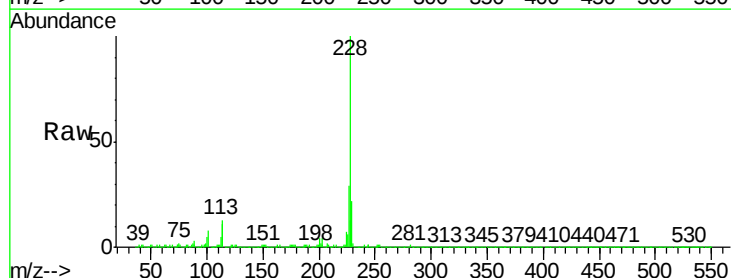
Instrument :
BNA_P
ClientSampleId :
371

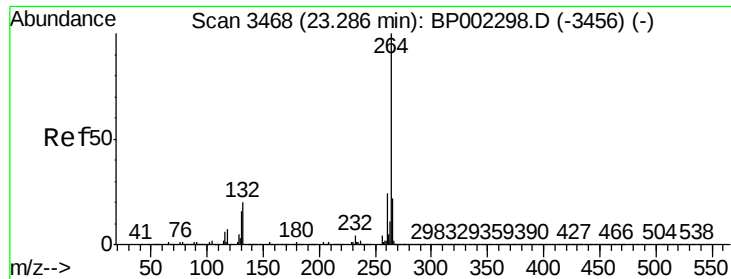
Tot Ion:228 Resp: 1289128
Ion Ratio Lower Upper
228 100
226 30.1 22.7 34.1
229 21.2 16.3 24.5



#83
Chrysene
Concen: 18.131 ng
RT: 21.13 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion:228 Resp: 1252222
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 22.3 16.2 24.4



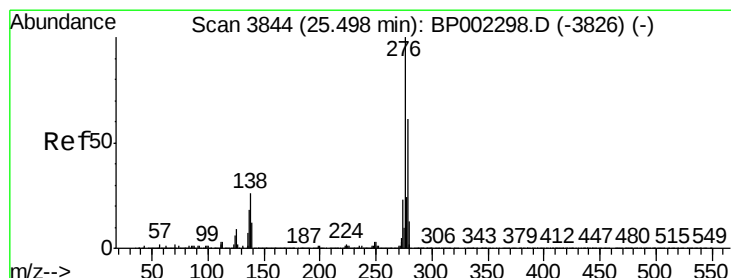
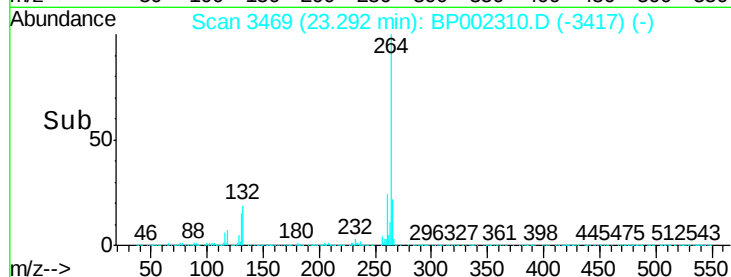
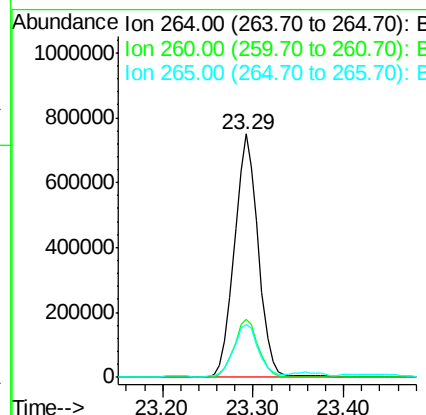
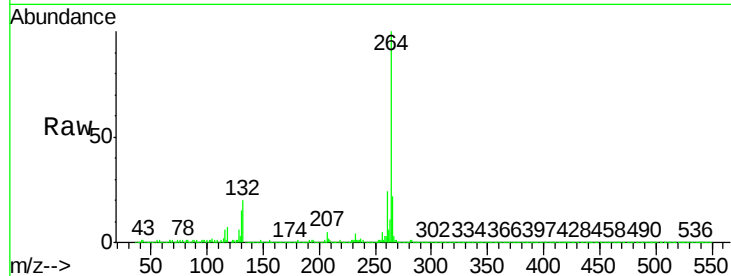


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. 0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampled :
371

Tot Ion:264 Resp: 1363504

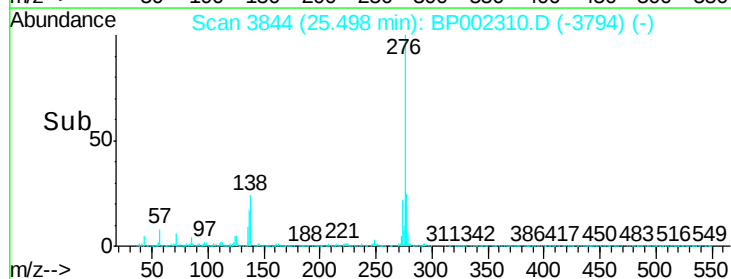
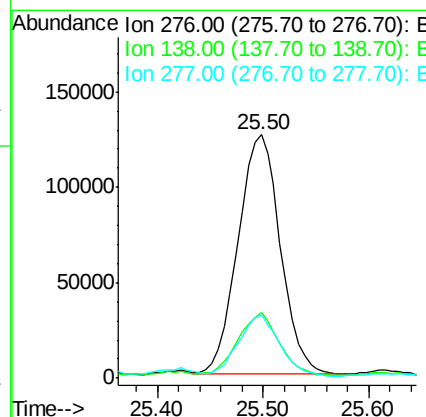
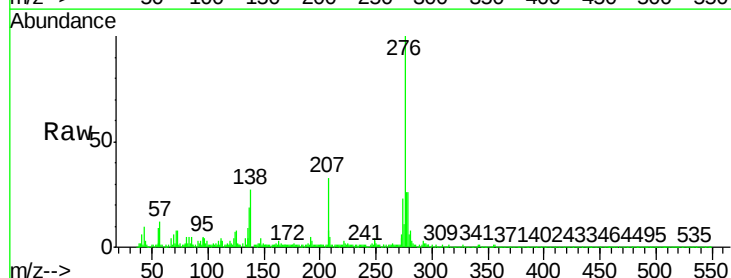
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.0	17.8	26.6

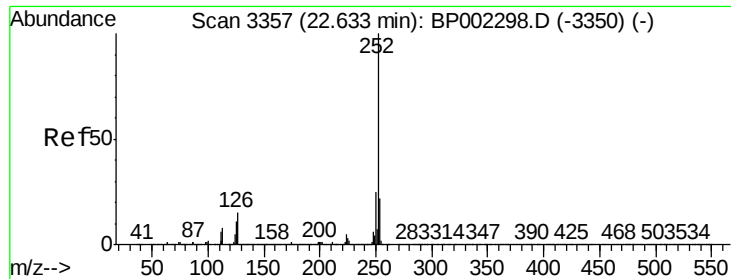


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.138 ng
RT: 25.50 min Scan# 3844
Delta R.T. -0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion:276 Resp: 349201

Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.2	27.4
277	25.0	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 26.952 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

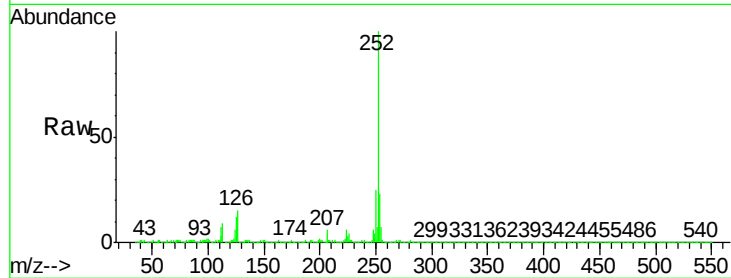
Tot Ion:252 Resp: 2003543

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

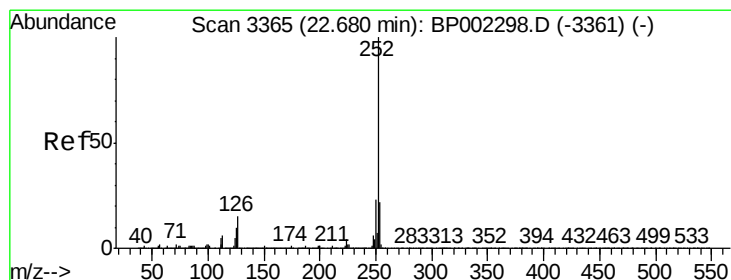
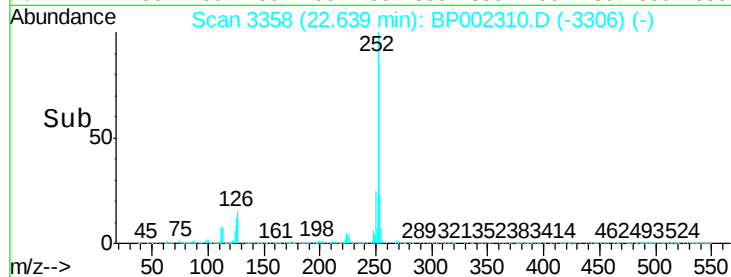
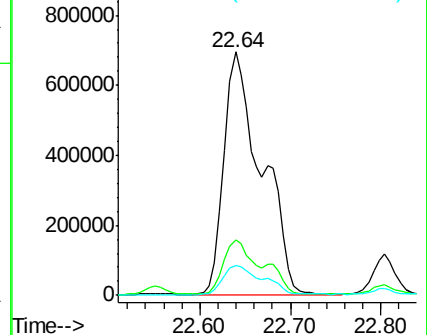
125 12.1 7.2 10.8#



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: 28.086 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

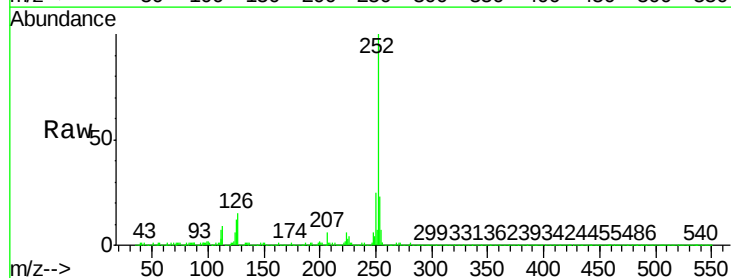
Tgt Ion:252 Resp: 2003543

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

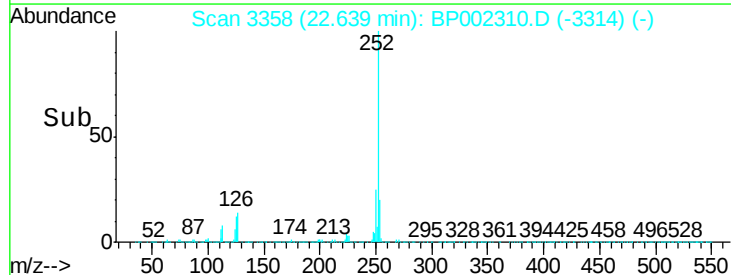
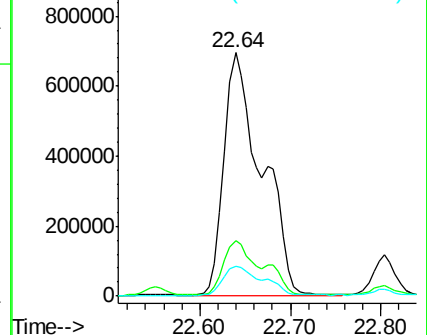
125 12.1 7.4 11.2#

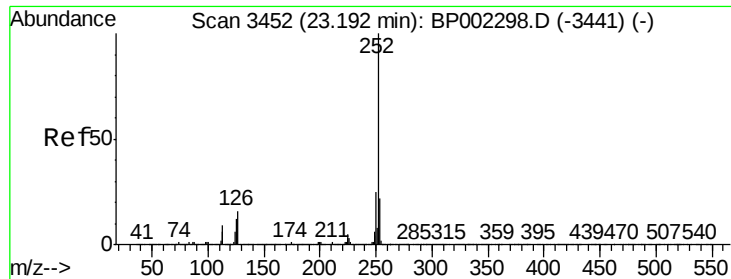


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.628 ng

RT: 23.20 min Scan# 3453

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

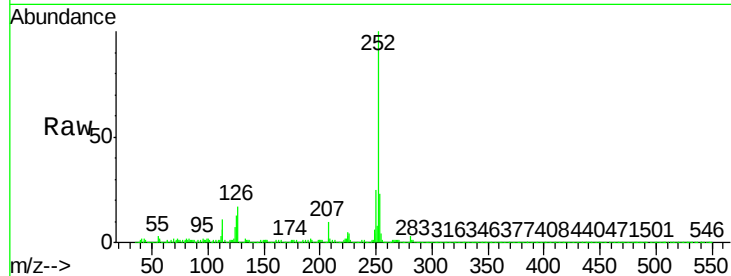
Tot Ion:252 Resp: 732856

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

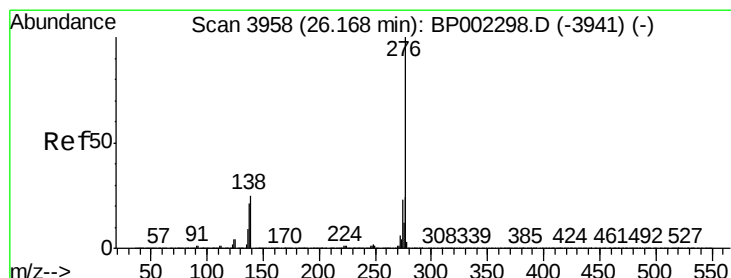
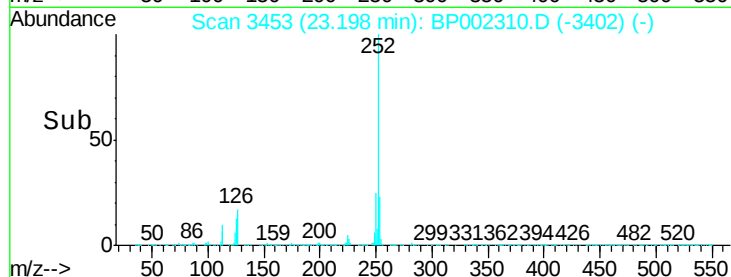
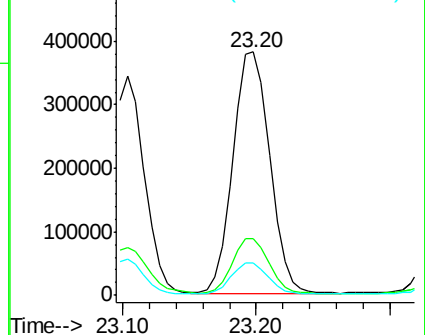
125 13.5 8.4 12.6#



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: 4.314 ng

RT: 26.16 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

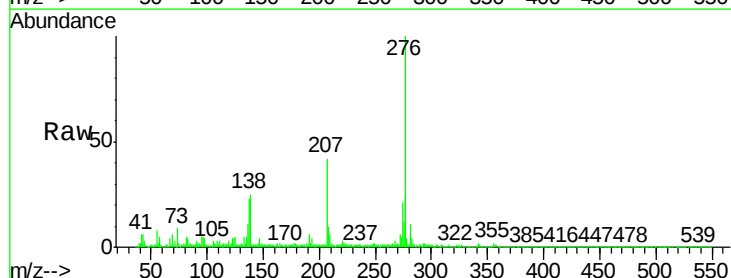
Tgt Ion:276 Resp: 302814

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 25.5 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

