

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003278.D
 Acq On : 14 Sep 2020 20:39
 Operator : CG/JU
 Sample : L3981-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B20-0-2

Quant Time: Sep 15 01:36:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

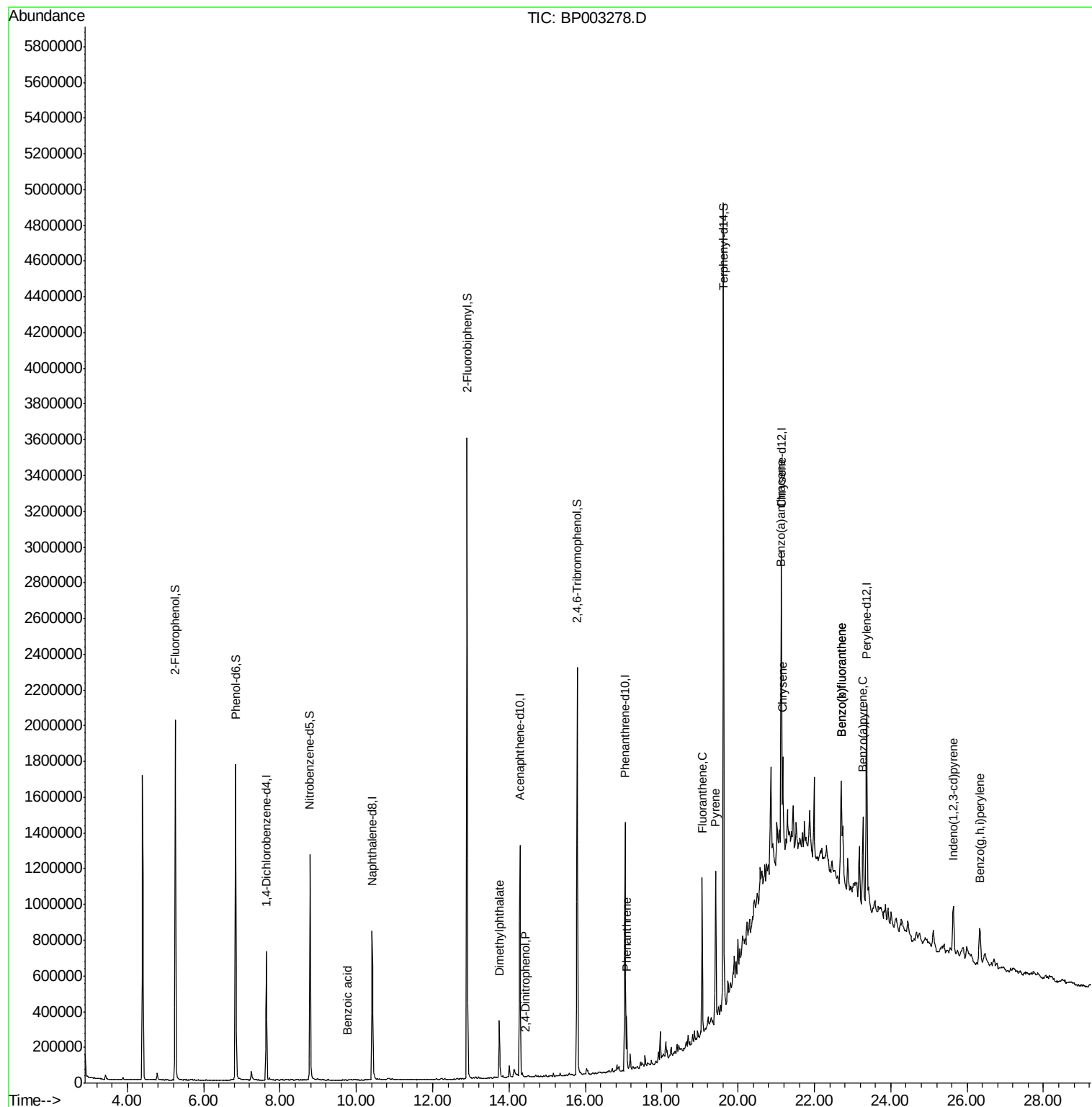
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	212008	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	828062	20.00	ng	-0.02
39) Acenaphthene-d10	14.29	164	472617	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	870235	20.00	ng	0.00
76) Chrysene-d12	21.13	240	684660	20.00	ng	-0.01
86) Perylene-d12	23.37	264	830651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1032480	86.10	ng	0.00
7) Phenol-d6	6.84	99	1239008	82.43	ng	0.00
23) Nitrobenzene-d5	8.79	82	768584	66.91	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	541939	84.78	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	2035802	63.08	ng	-0.01
79) Terphenyl-d14	19.62	244	1957686	62.92	ng	0.00
Target Compounds						
32) Benzoic acid	9.76	122	303	9.028	ng	# 79
50) Dimethylphthalate	13.75	163	250518	6.951	ng	100
54) 2,4-Dinitrophenol	14.42	184	15	7.758	ng	# 1
71) Phenanthrene	17.08	178	192805	4.089	ng	99
75) Fluoranthene	19.06	202	519459	9.531	ng	100
78) Pyrene	19.41	202	493346	11.102	ng	99
81) Benzo(a)anthracene	21.12	228	283850	6.619	ng	99
83) Chrysene	21.17	228	266158	6.482	ng	97
87) Indeno(1,2,3-cd)pyrene	25.64	276	274216	4.427	ng	96
88) Benzo(b)fluoranthene	22.70	252	606716	11.752	ng	# 92
89) Benzo(k)fluoranthene	22.70	252	606716	12.300	ng	# 93
90) Benzo(a)pyrene	23.27	252	331723	6.926	ng	# 94
92) Benzo(a,h,i)perylene	26.33	276	270735	5.301	ng	98

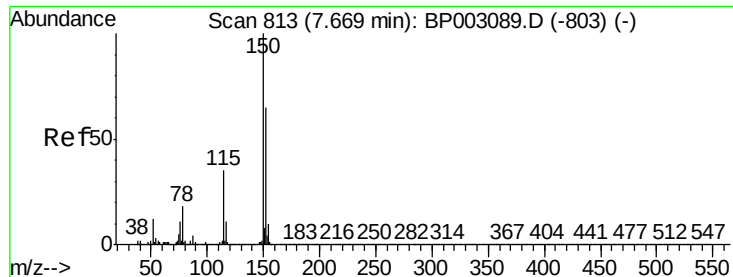
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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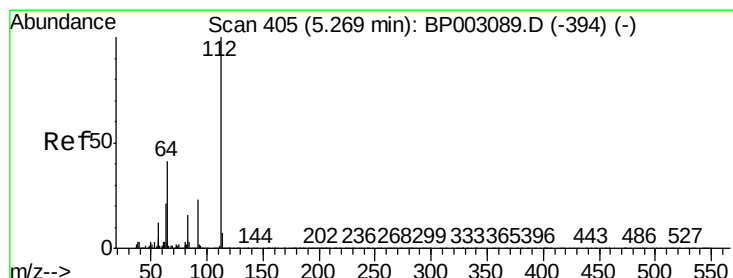
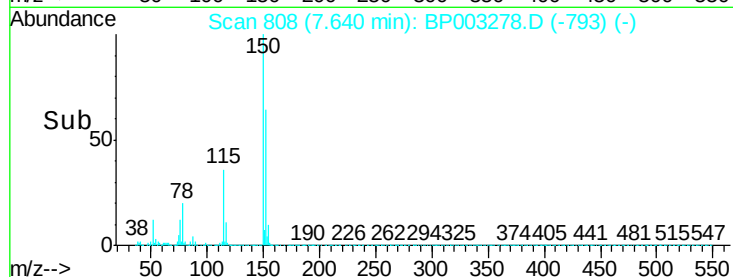
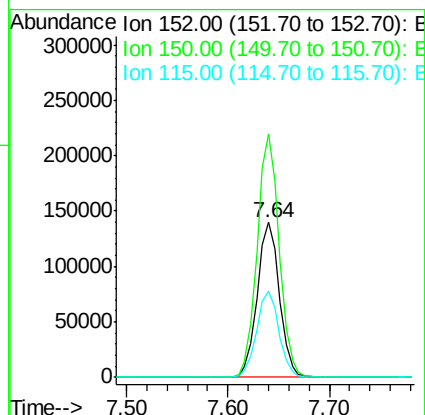
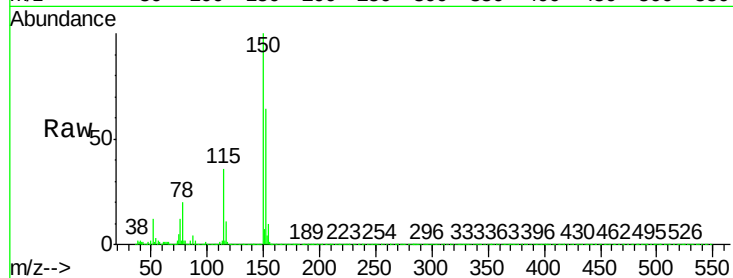


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 808
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Instrument :
BNA_P
ClientSampled :
B20-0-2

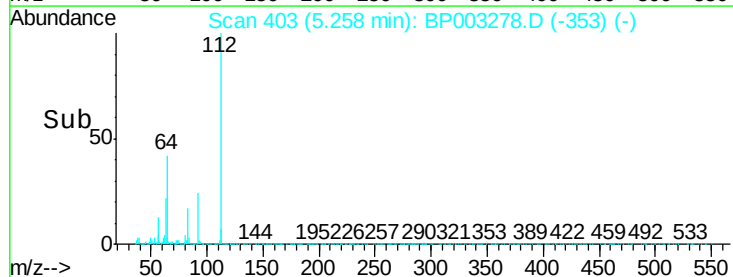
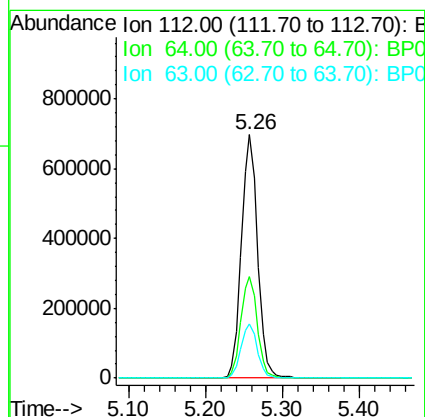
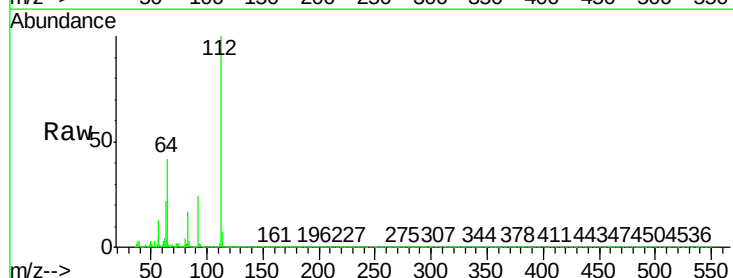
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.8	185.6
115	55.9	43.8	65.6

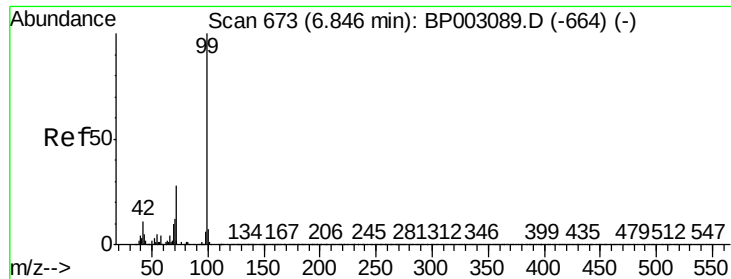


#5

2-Fluorophenol
Concen: 86.103 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.9	32.8	49.2
63	22.3	17.0	25.4





#7

Phenol-d6

Concen: 82.426 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Instrument :

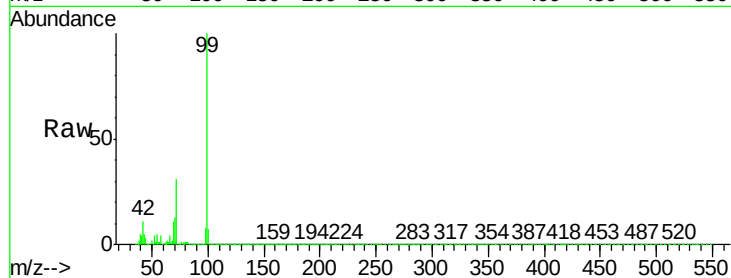
BNA_P

ClientSampleId :

B20-0-2

Tot Ion: 99 Resp: 1239008

Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.6	13.0
71	31.0	23.4	35.2

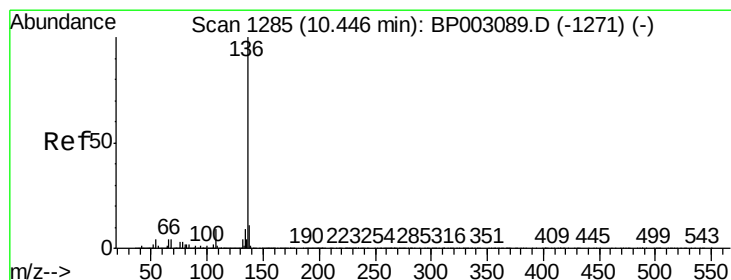
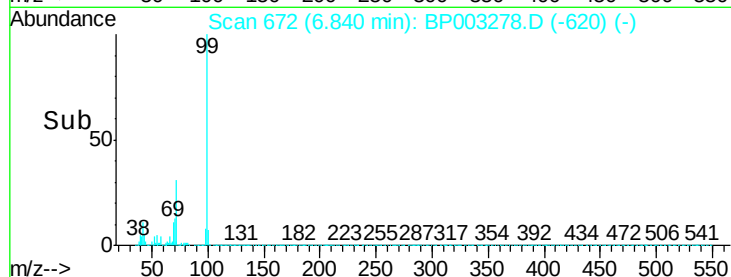
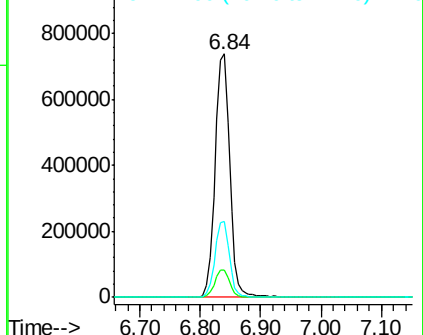


Abundance

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: 10.42 min Scan# 1280

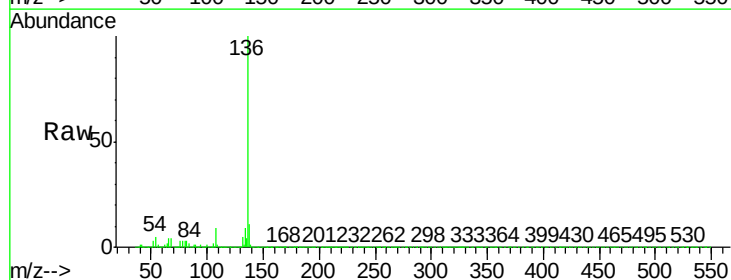
Delta R.T. -0.02 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Tgt Ion: 136 Resp: 828062

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	4.9	3.6	5.4
68	4.4	3.3	4.9



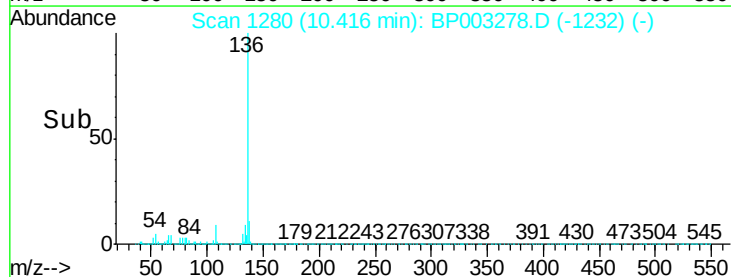
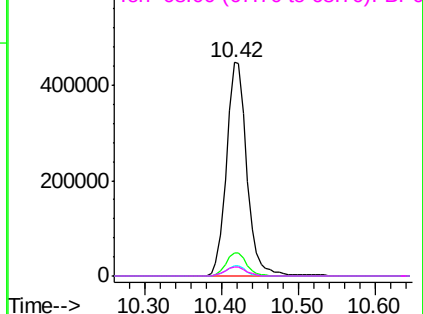
Abundance

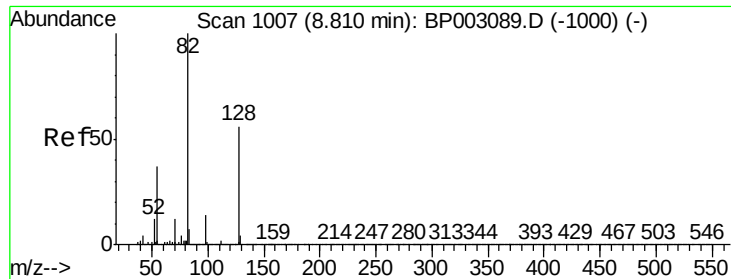
Ion 136.00 (135.70 to 136.70): E

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

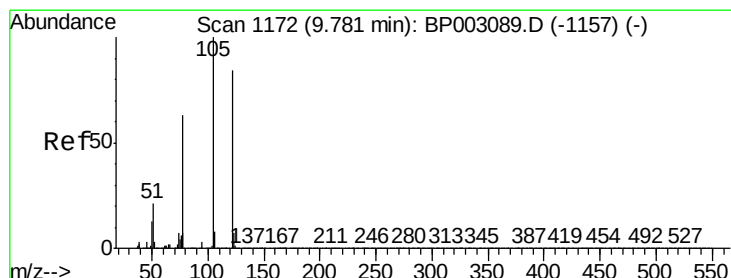
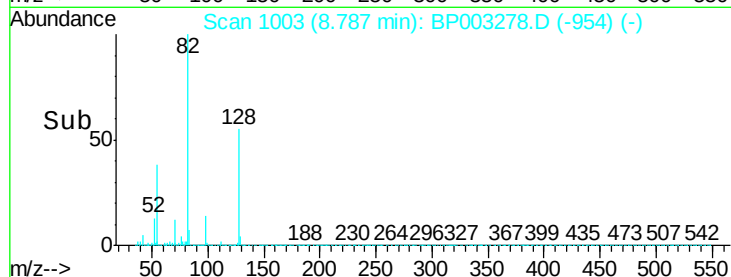
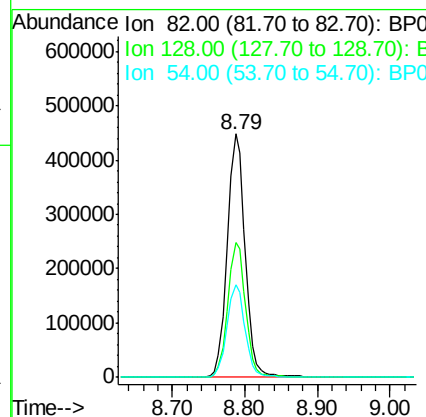
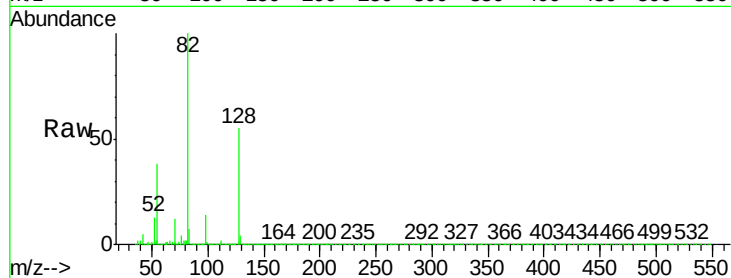




#23
Nitrobenzene-d5
Concen: 66.912 ng
RT: 8.79 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

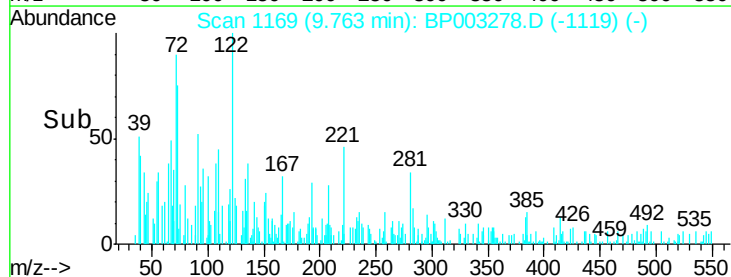
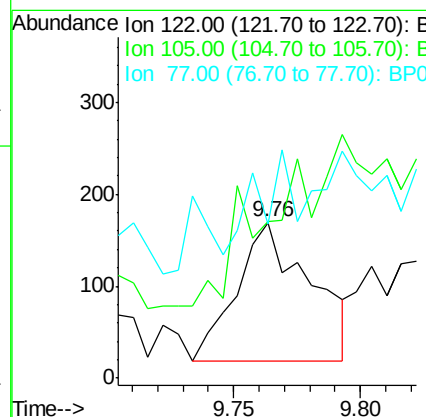
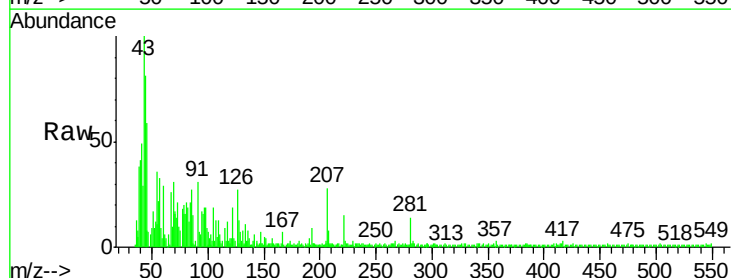
Instrument :
BNA_P
ClientSampleId :
B20-0-2

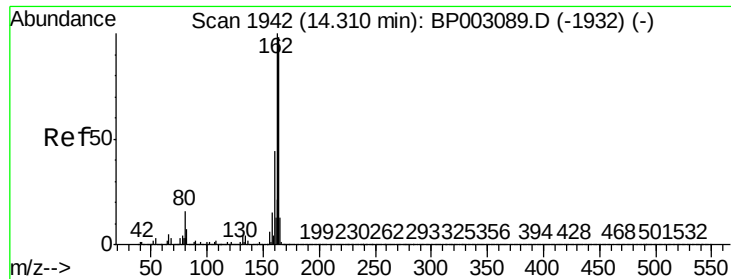
Tot Ion: 82 Resp: 768584
Ion Ratio Lower Upper
82 100
128 55.2 45.6 68.4
54 38.2 30.1 45.1



#32
Benzoic acid
Concen: 9.028 ng
RT: 9.76 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion: 122 Resp: 303
Ion Ratio Lower Upper
122 100
105 100.6 94.1 134.1
77 98.8 50.1 90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Instrument :

BNA_P

ClientSampleId :

B20-0-2

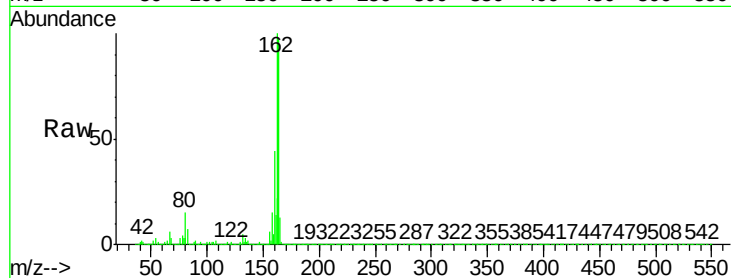
Tot Ion:164 Resp: 472617

Ion Ratio Lower Upper

164 100

162 103.2 79.4 119.2

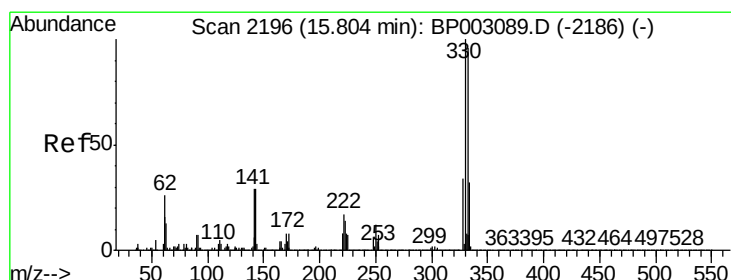
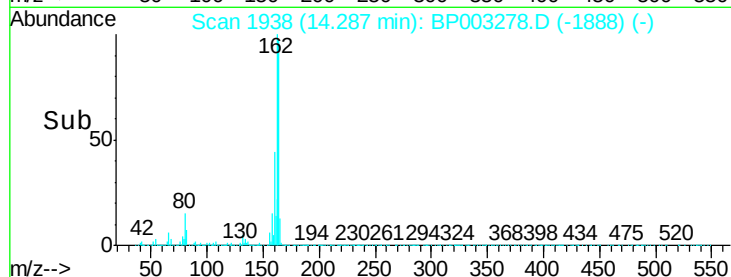
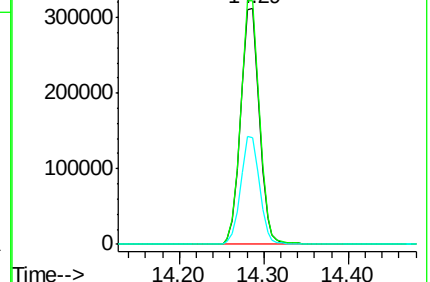
160 45.2 36.1 54.1



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: 84.784 ng

RT: 15.78 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

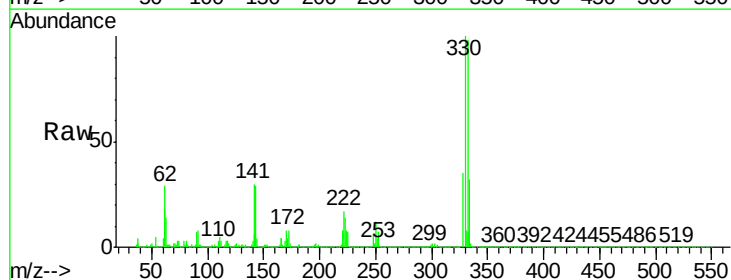
Tgt Ion:330 Resp: 541939

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

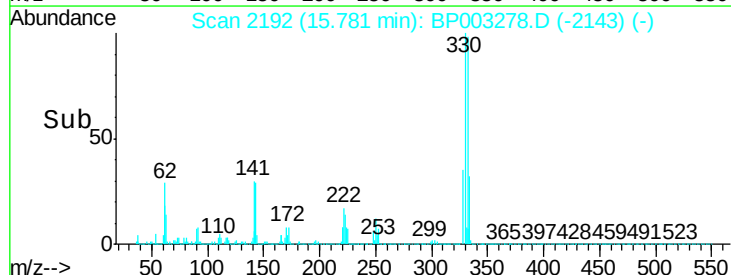
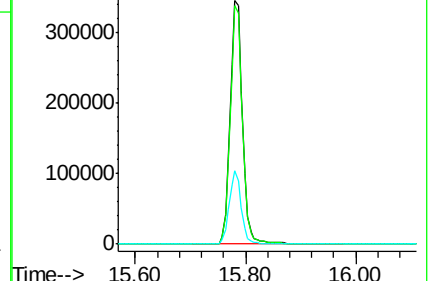
141 29.2 23.4 35.2

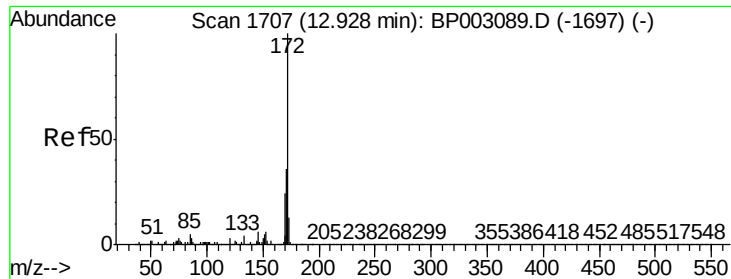


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

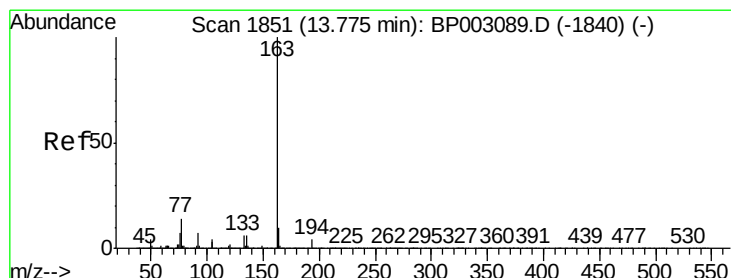
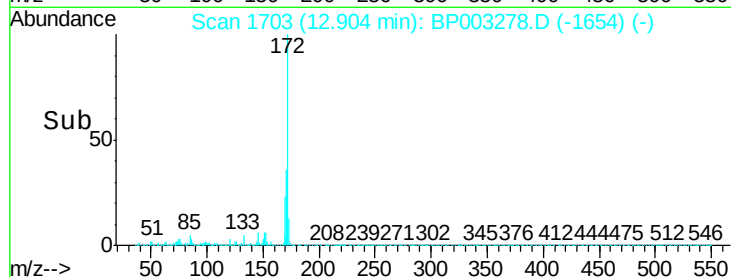
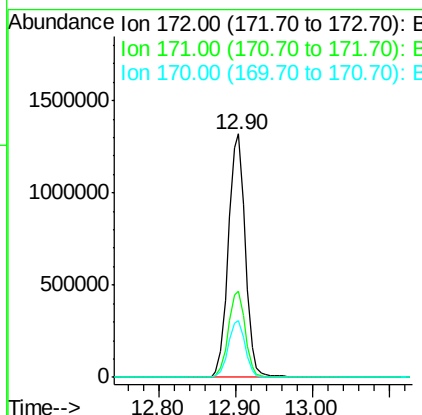
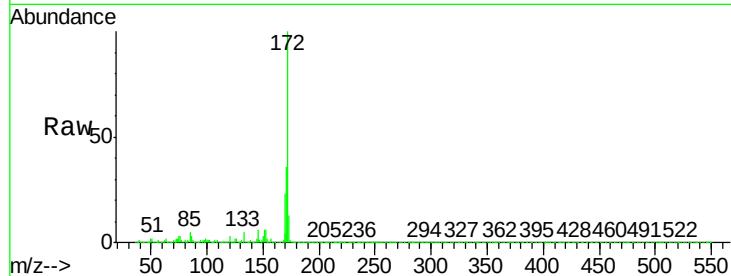




#45
2-Fluorobiphenyl
Concen: 63.081 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

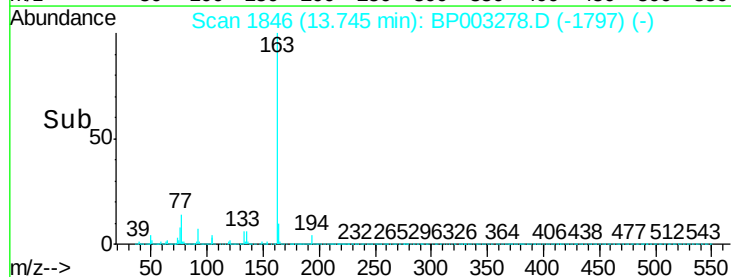
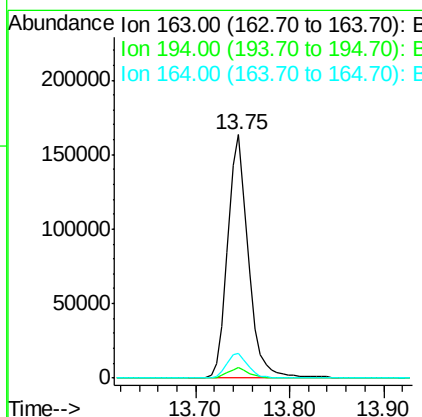
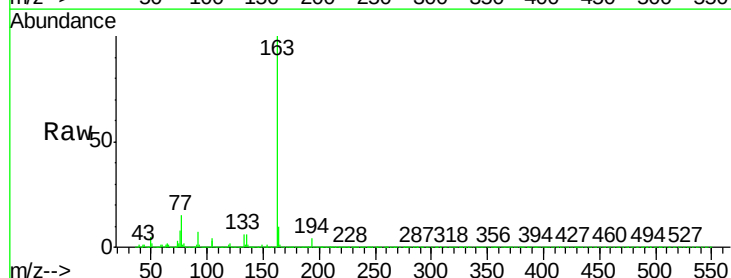
Instrument :
BNA_P
ClientSampleId :
B20-0-2

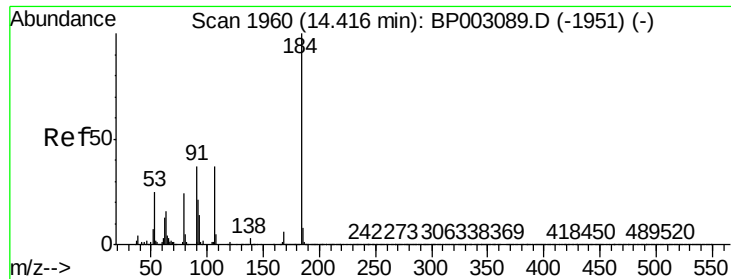
Tot Ion:172 Resp: 2035802
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.5 19.2 28.8



#50
Dimethylphthalate
Concen: 6.951 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion:163 Resp: 250518
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.0 8.2 12.2

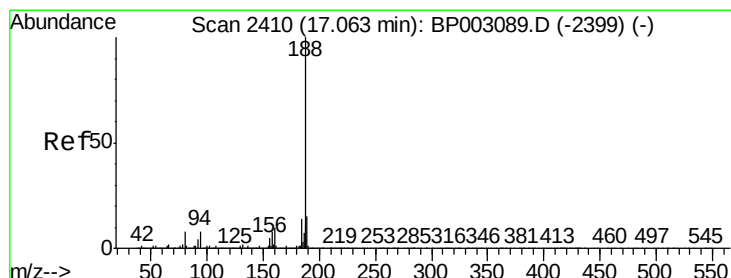
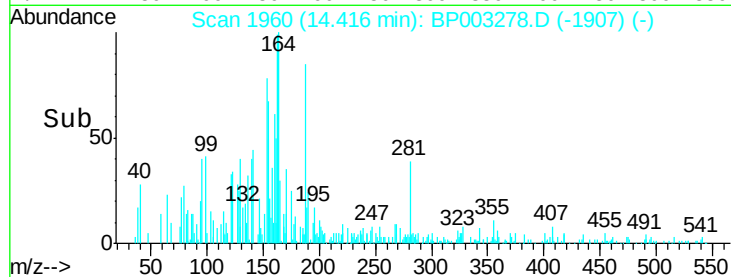
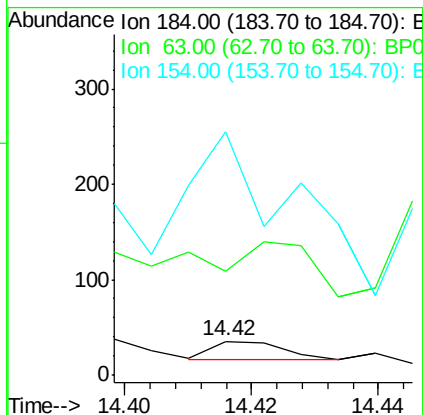
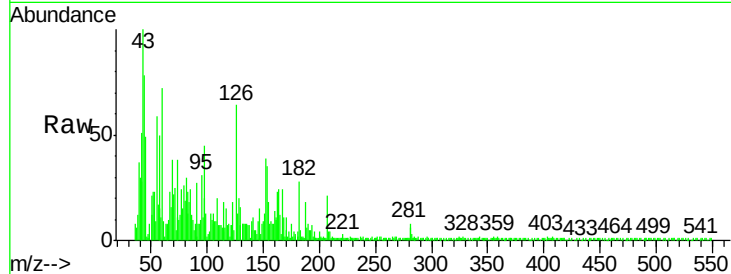




#54
2,4-Dinitrophenol
Concen: 7.758 ng
RT: 14.42 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

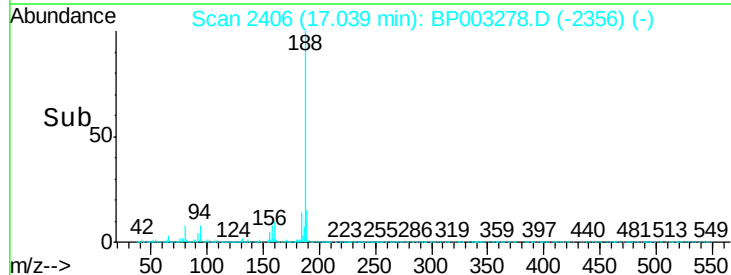
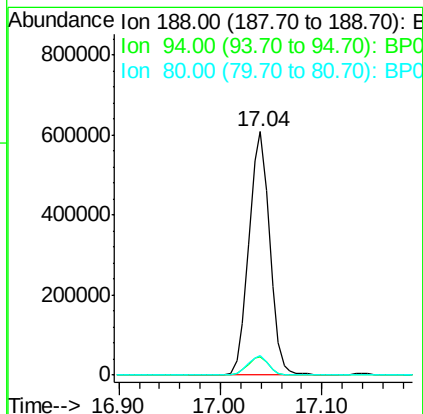
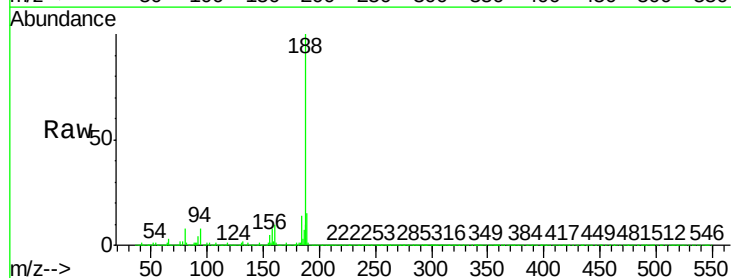
Instrument :
BNA_P
ClientSampleId :
B20-0-2

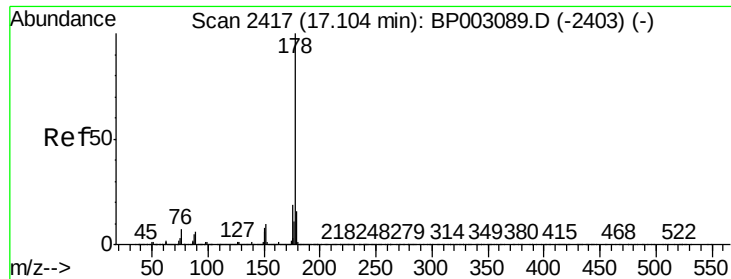
Tot Ion:184 Resp: 15
Ion Ratio Lower Upper
184 100
63 311.4 32.3 48.5#
154 728.6 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion:188 Resp: 870235
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.2
80 7.9 6.2 9.2





#71

Phenanthrene

Concen: 4.089 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Instrument :

BNA_P

ClientSampleId :

B20-0-2

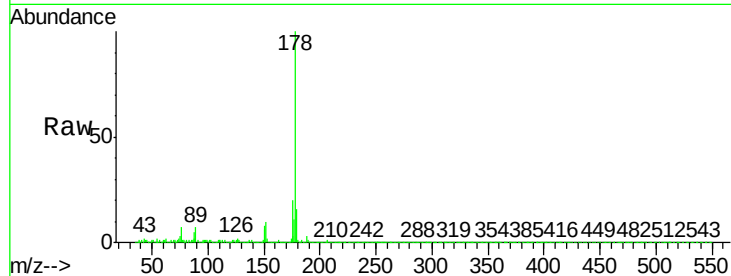
Tot Ion:178 Resp: 192805

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

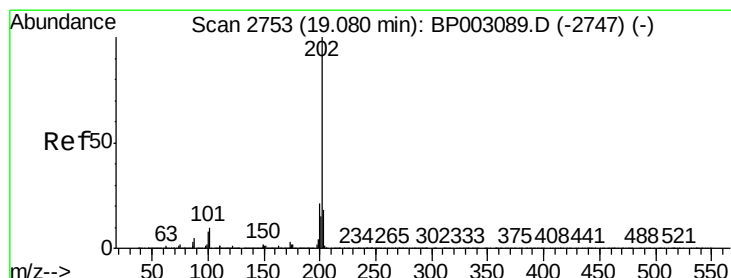
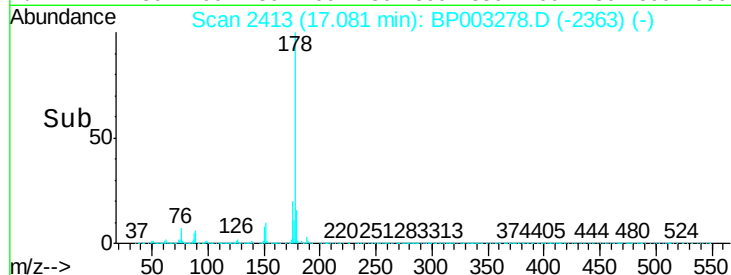
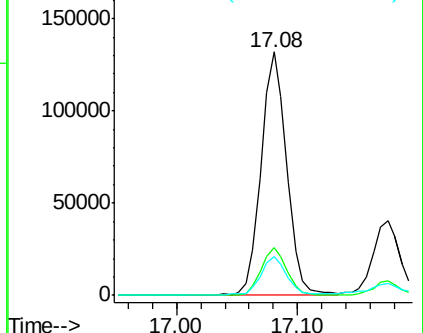
179 15.7 12.5 18.7



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: 9.531 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

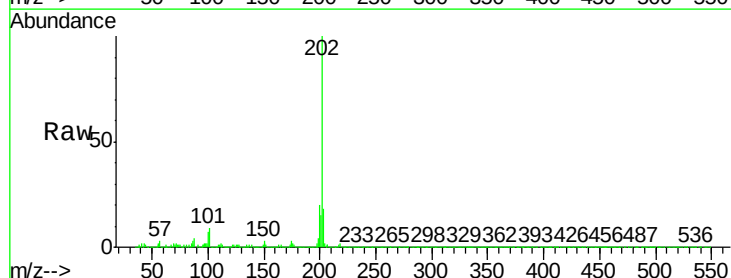
Tgt Ion:202 Resp: 519459

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.4

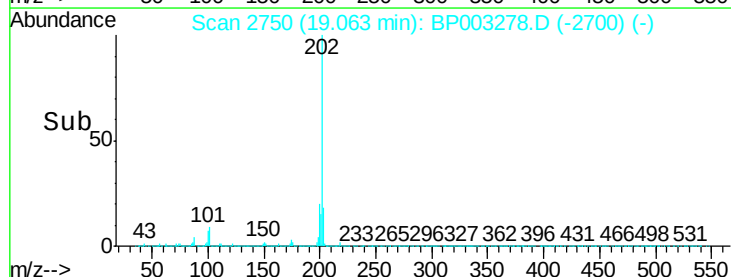
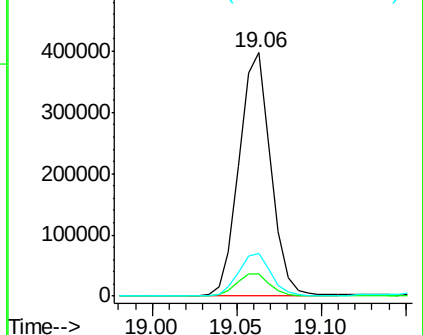
203 17.7 0.0 37.8

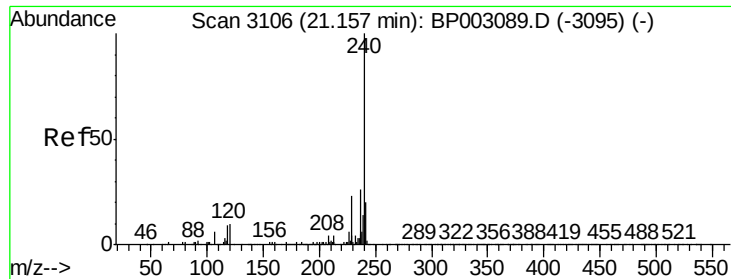


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

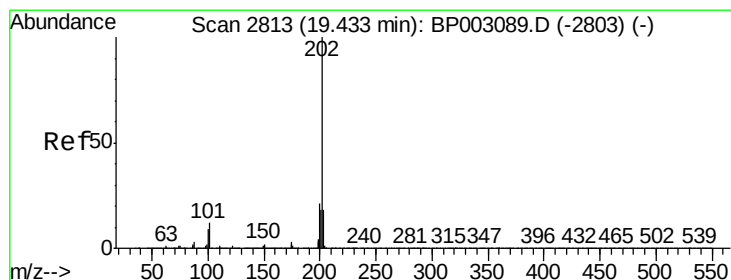
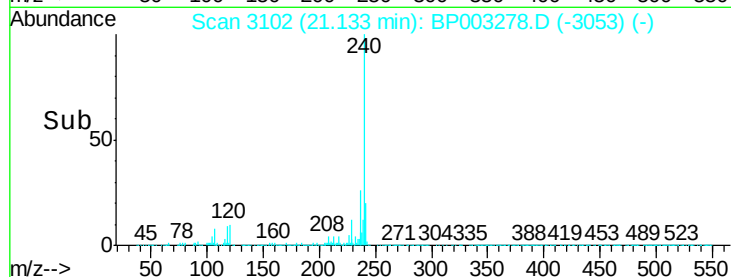
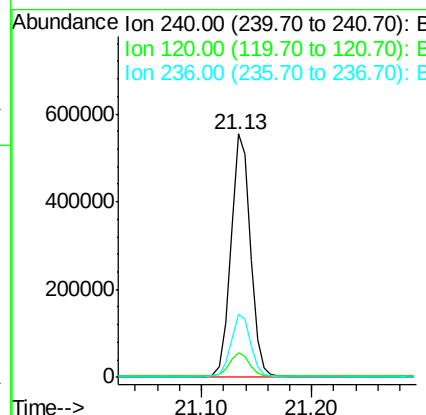
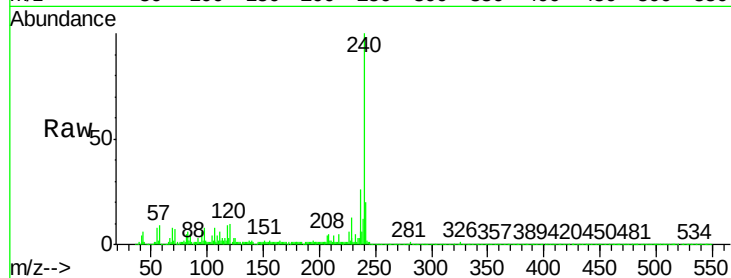




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

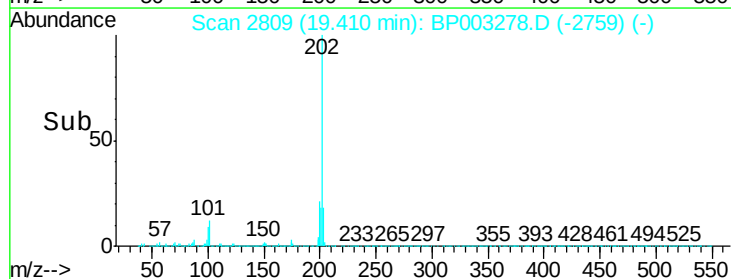
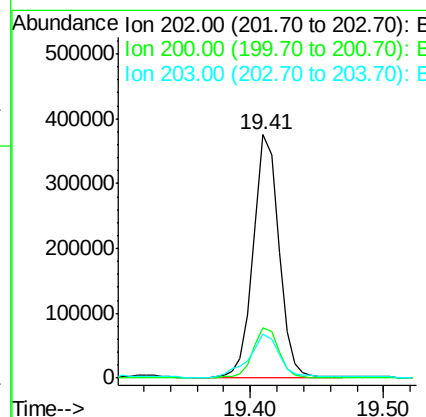
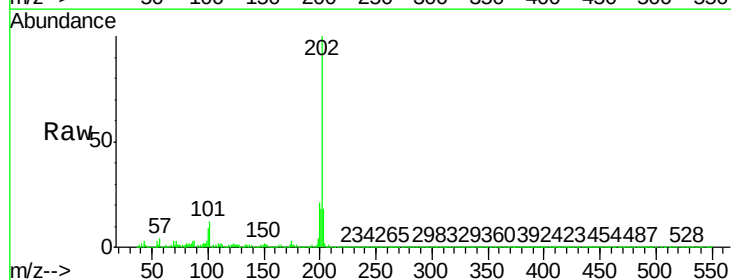
Instrument :
BNA_P
ClientSampleId :
B20-0-2

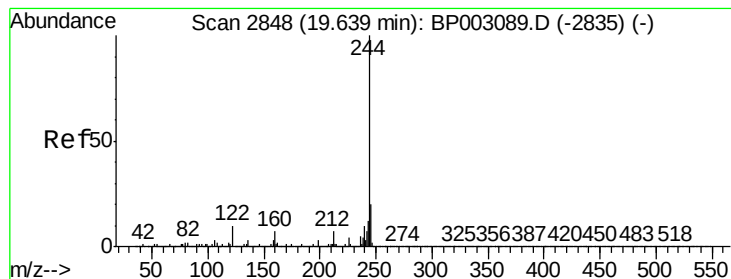
Tot Ion:240 Resp: 684660
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.6
236 26.1 20.8 31.2



#78
Pyrene
Concen: 11.102 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion:202 Resp: 493346
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 62.918 ng

RT: 19.62 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Instrument :

BNA_P

ClientSampleId :

B20-0-2

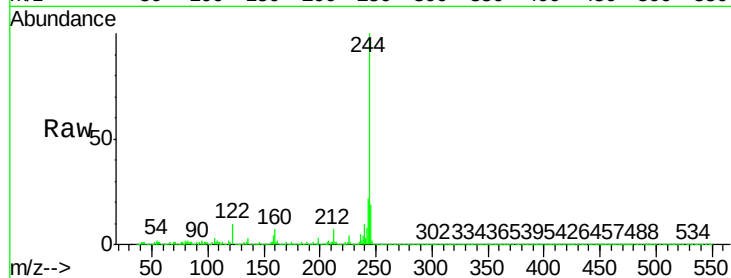
Tot Ion:244 Resp: 1957686

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.7	7.8	11.8

244 100

212 7.3 5.8 8.6

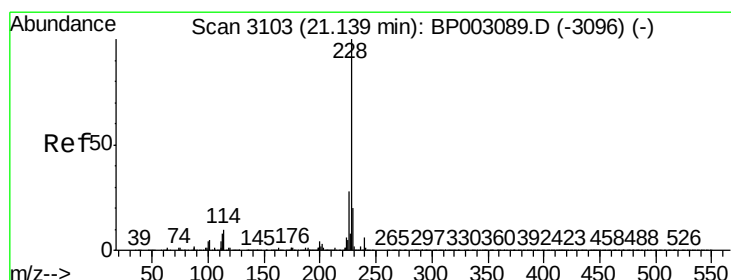
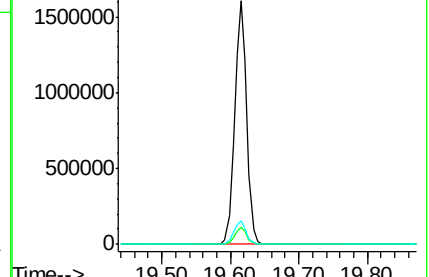
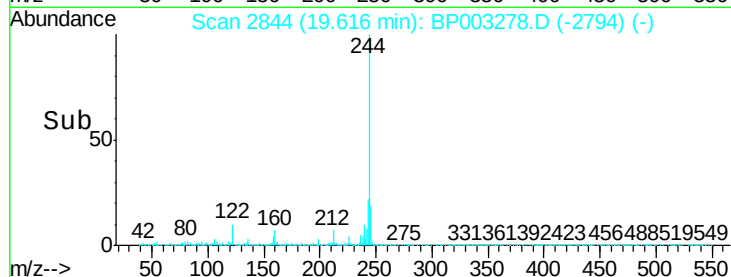
122 9.7 7.8 11.8



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: 6.619 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

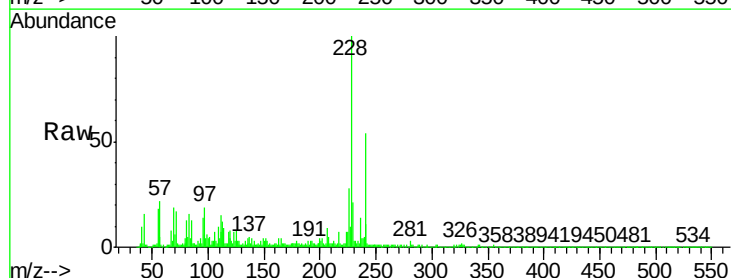
Tgt Ion:228 Resp: 283850

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	20.7	15.9	23.9

228 100

226 28.2 22.1 33.1

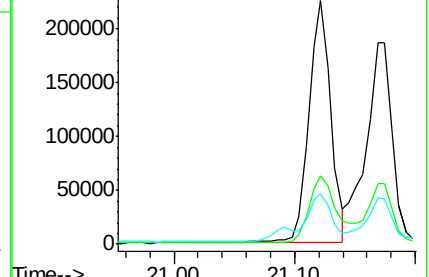
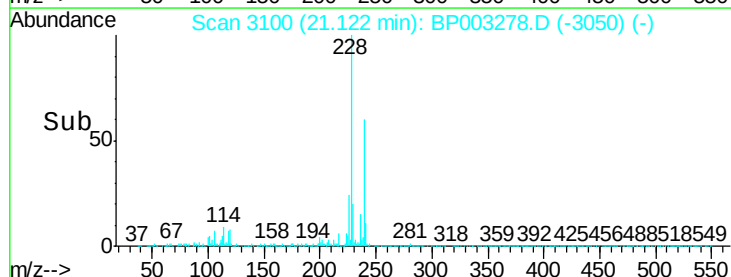
229 20.7 15.9 23.9

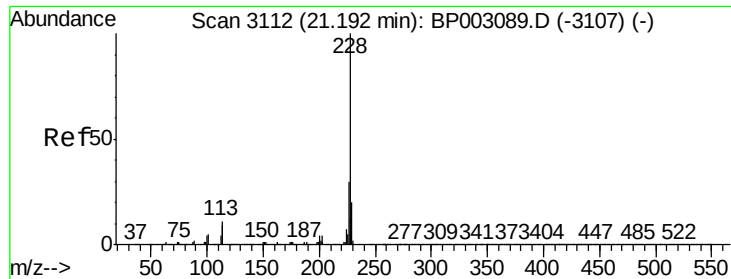


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

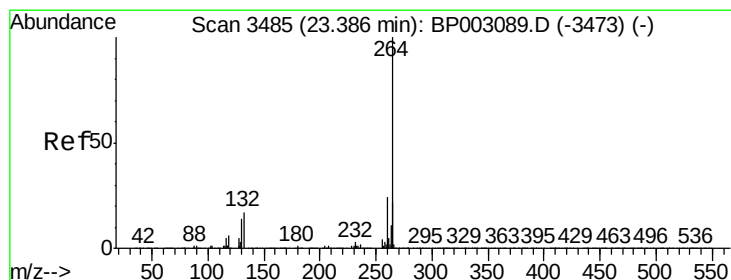
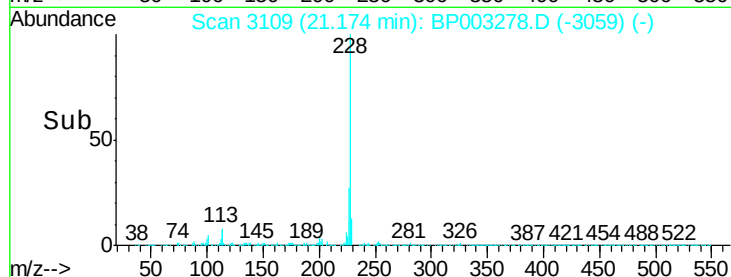
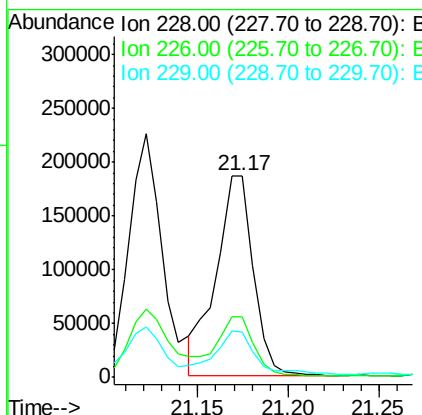
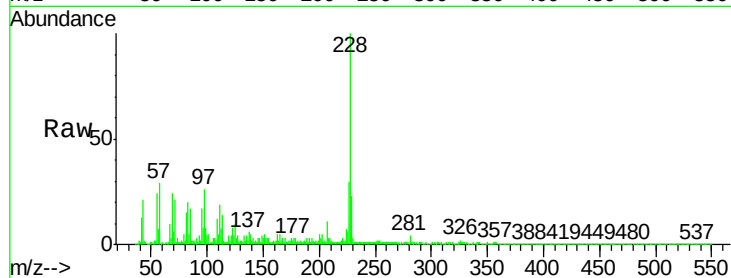




#83
Chrysene
Concen: 6.482 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

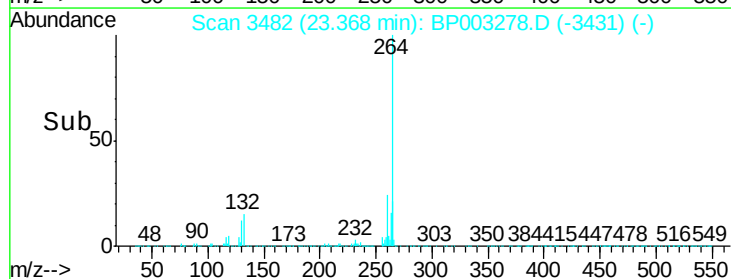
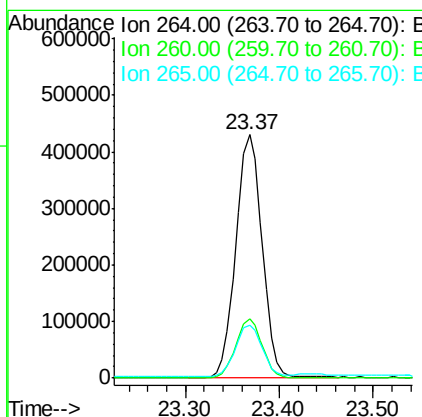
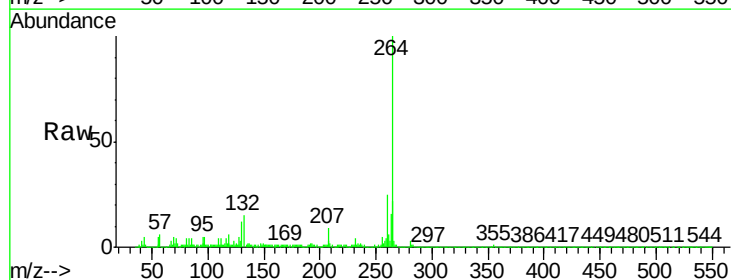
Instrument :
BNA_P
ClientSampleId :
B20-0-2

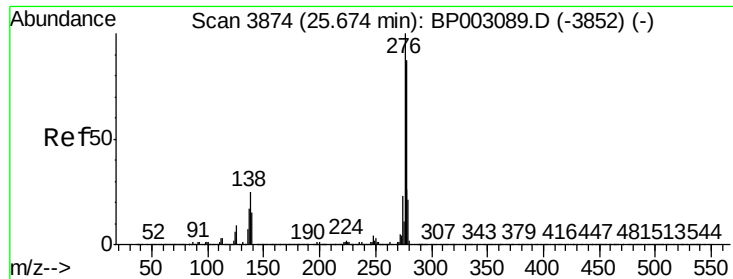
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	22.5	15.8	23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3482
Delta R.T. -0.00 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	21.9	17.4	26.2

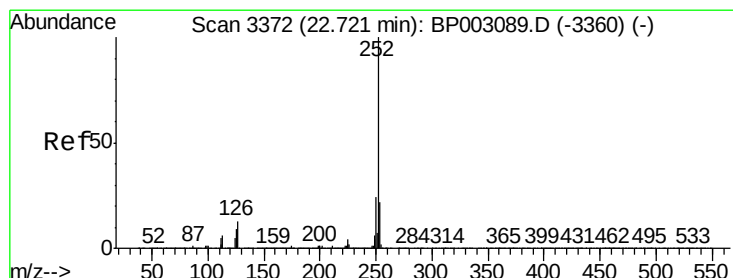
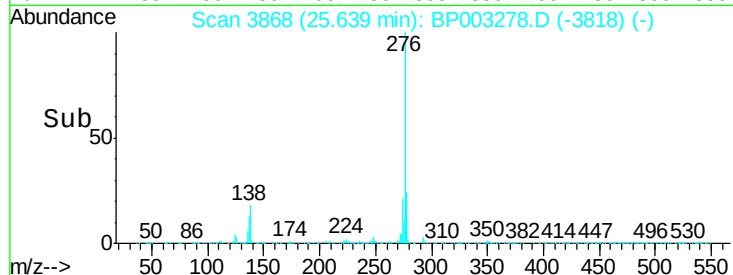
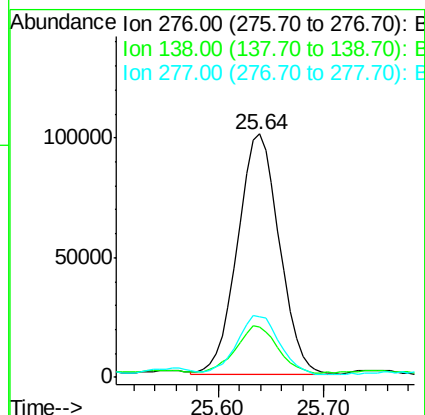
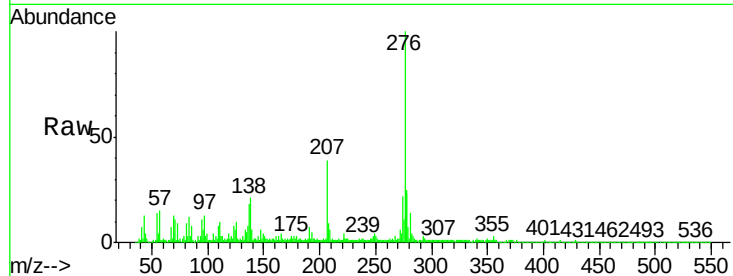




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.427 ng
 RT: 25.64 min Scan# 3868
 Delta R.T. -0.01 min
 Lab File: BP003278.D
 Acq: 14 Sep 2020 20:39

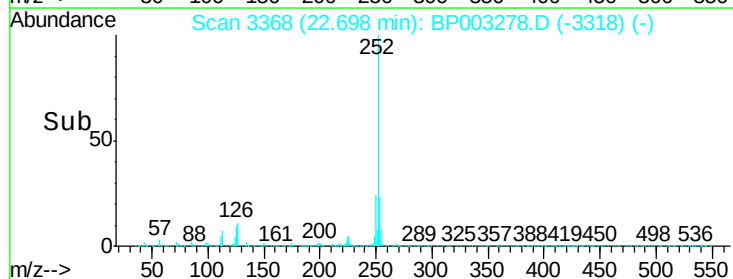
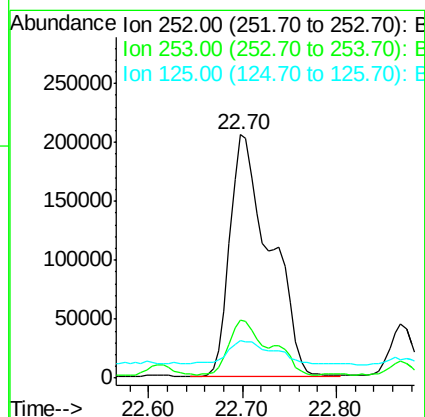
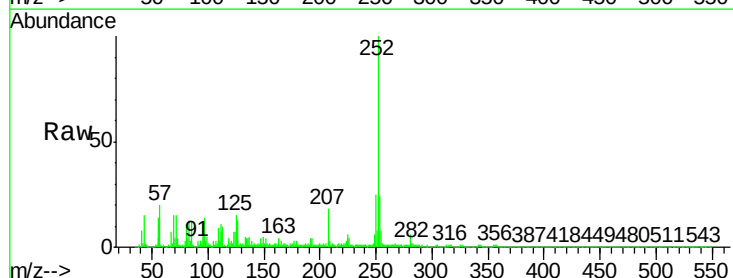
Instrument :
 BNA_P
 ClientSampleId :
 B20-0-2

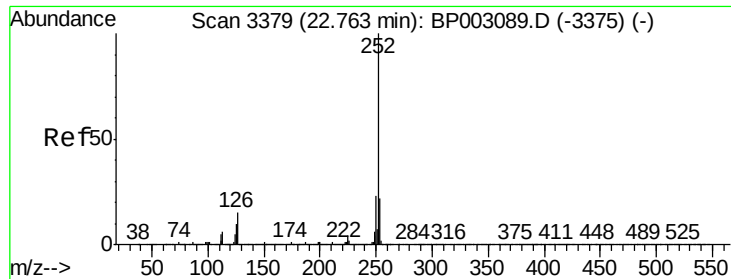
Tot Ion:	276	Resp:	274216
Ion	Ratio	Lower	Upper
276	100		
138	19.2	18.7	28.1
277	25.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 11.752 ng
 RT: 22.70 min Scan# 3368
 Delta R.T. -0.01 min
 Lab File: BP003278.D
 Acq: 14 Sep 2020 20:39

Tgt Ion:	252	Resp:	606716
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	15.3	7.3	10.9#

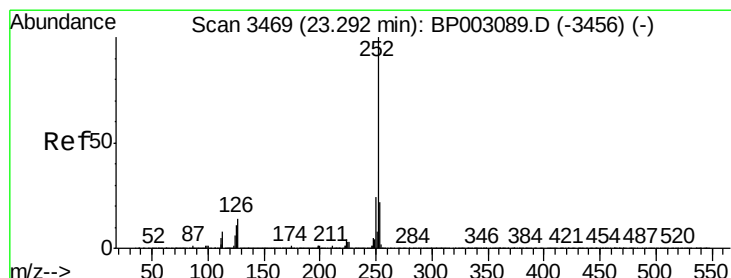
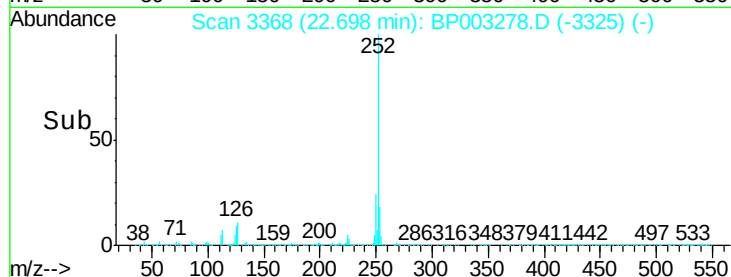
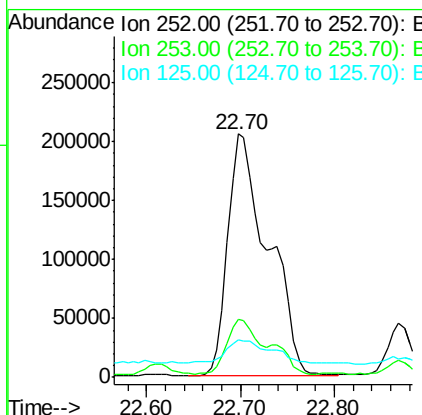
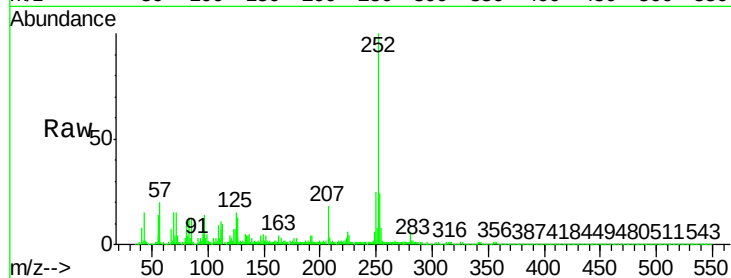




#89
Benzo(k)fluoranthene
Concen: 12.300 ng
RT: 22.70 min Scan# 3368
Delta R.T. -0.05 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

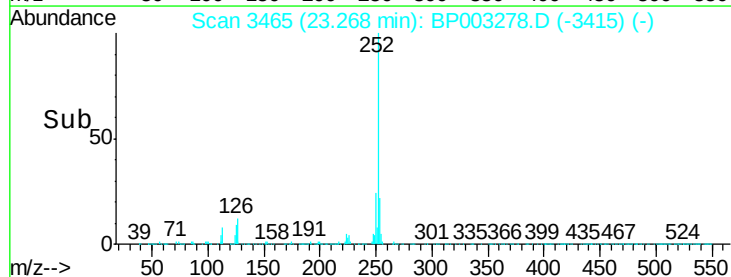
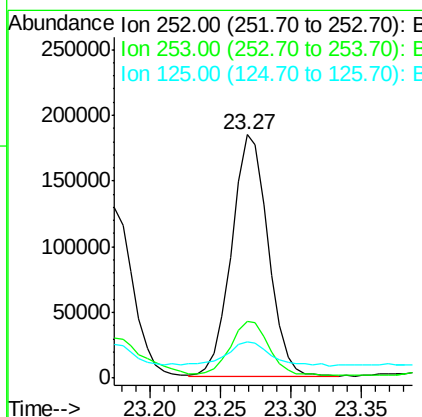
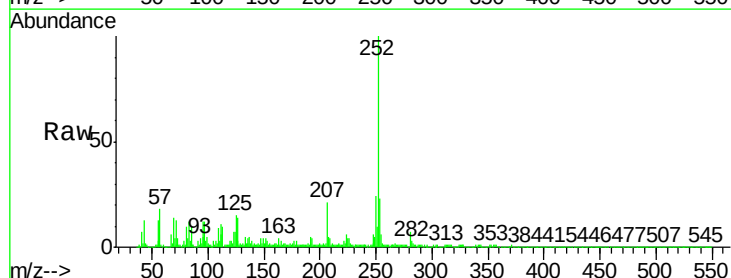
Instrument :
BNA_P
ClientSampled :
B20-0-2

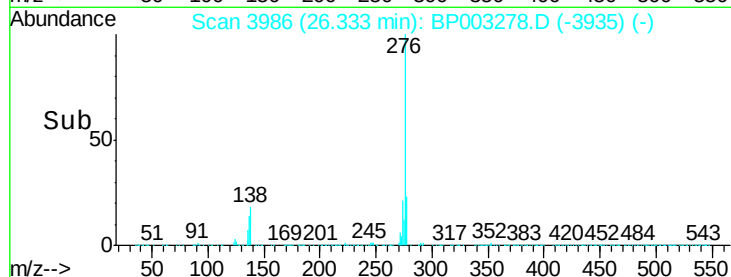
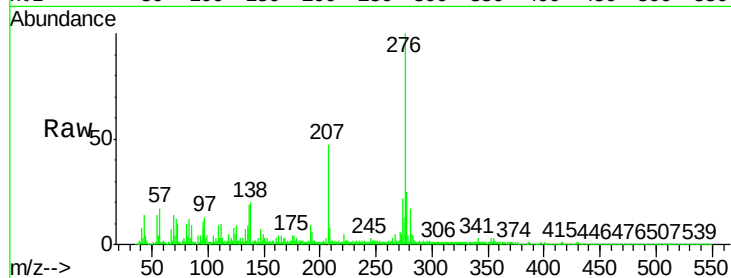
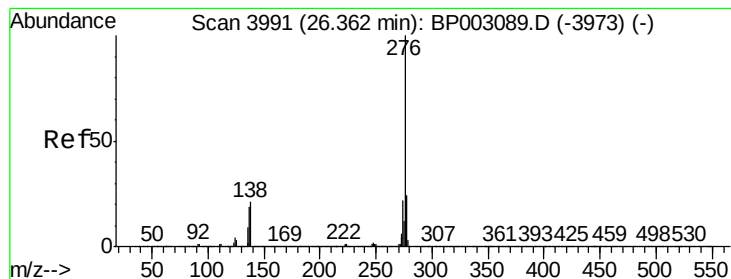
Tot Ion:252 Resp: 606716
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 15.3 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 6.926 ng
RT: 23.27 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BP003278.D
Acq: 14 Sep 2020 20:39

Tgt Ion:252 Resp: 331723
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 14.7 8.2 12.4#





#92

Benzo(a,h,i)perylene

Concen: 5.301 ng

RT: 26.33 min Scan# 3986

Delta R.T. -0.00 min

Lab File: BP003278.D

Acq: 14 Sep 2020 20:39

Instrument :

BNA_P

ClientSampleId :

B20-0-2

Tot Ion: 276 Resp: 270735

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 20.2 16.6 24.8

