

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040221\
 Data File : BP005153.D
 Acq On : 02 Apr 2021 11:36
 Operator : CG/JU
 Sample : M1828-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FS-SB14(5-6)

Quant Time: Apr 02 13:43:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 01 12:23:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

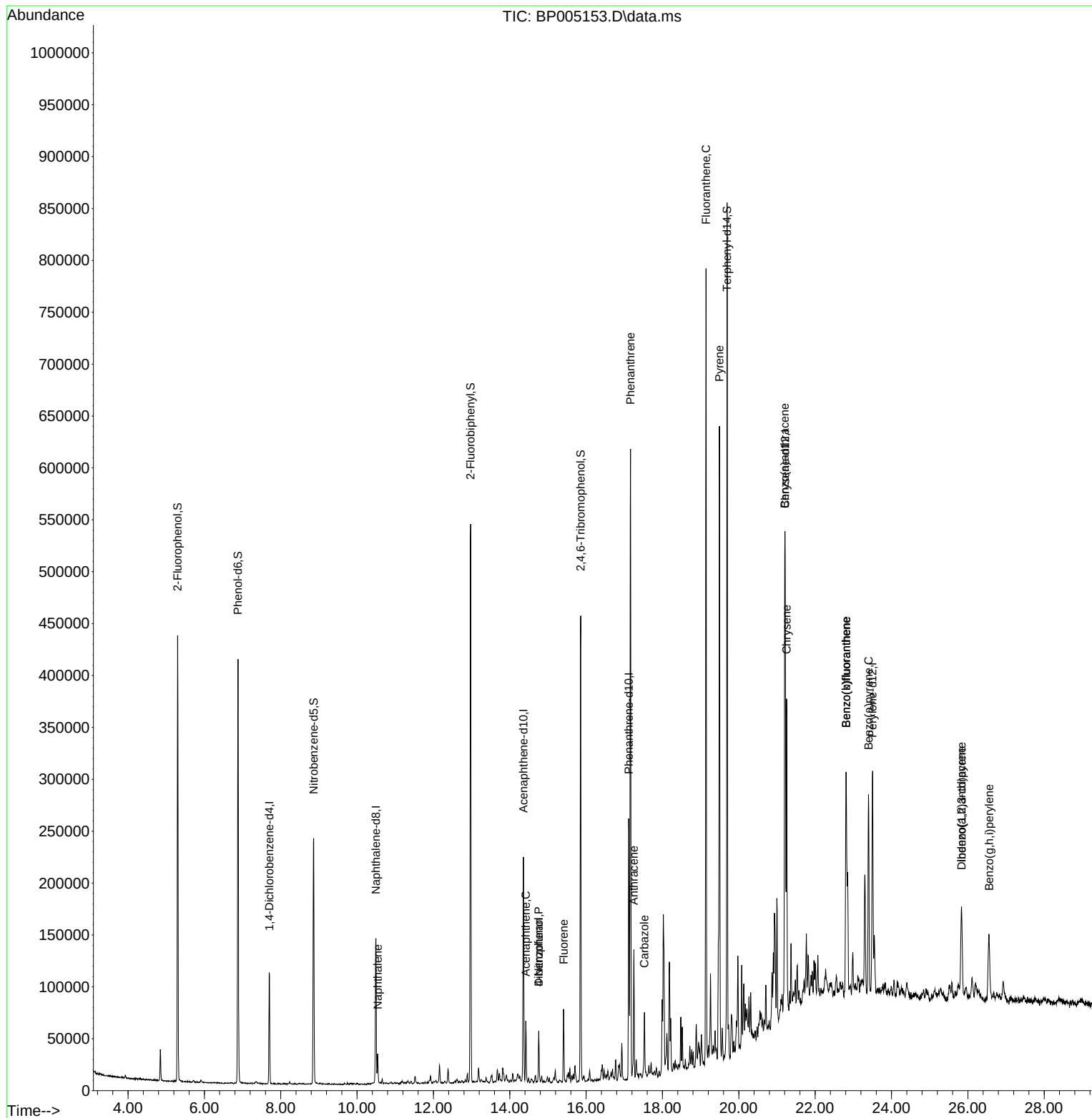
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	27665	20.00	ng	0.00
21) Naphthalene-d8	10.493	136	110375	20.00	ng	# 0.00
39) Acenaphthene-d10	14.357	164	72228	20.00	ng	0.00
64) Phenanthrene-d10	17.116	188	146739	20.00	ng	#-0.01
76) Chrysene-d12	21.216	240	147389	20.00	ng	-0.01
86) Perylene-d12	23.498	264	150922	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	171071	95.16	ng	0.00
7) Phenol-d6	6.881	99	228378	88.69	ng	0.00
23) Nitrobenzene-d5	8.863	82	145930	56.73	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	74569	79.24	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	267737	50.14	ng	0.00
79) Terphenyl-d14	19.692	244	366540	45.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.540	128	21149	3.39	ng	# 97
52) Acenaphthene	14.422	154	19869	4.63	ng	96
55) Dibenzofuran	14.757	168	25323	3.60	ng	96
56) 4-Nitrophenol	14.757	139	9172	9.27	ng	# 22
58) Fluorene	15.410	166	30191	5.32	ng	90
71) Phenanthrene	17.163	178	355103	41.74	ng	98
72) Anthracene	17.251	178	71223	8.57	ng	99
73) Carbazole	17.528	167	35923	4.60	ng	99
75) Fluoranthene	19.139	202	405079	40.48	ng	97
78) Pyrene	19.492	202	351555	34.71	ng	98
81) Benzo(a)anthracene	21.204	228	178164	17.79	ng	98
83) Chrysene	21.251	228	156230	15.90	ng	97
87) Indeno(1,2,3-cd)pyrene	25.833	276	84126	7.43	ng	95
88) Benzo(b)fluoranthene	22.810	252	183245	17.10	ng	99
89) Benzo(k)fluoranthene	22.810	252	183245	17.84	ng	99
90) Benzo(a)pyrene	23.398	252	137012	14.26	ng	98
91) Dibenzo(a,h)anthracene	25.839	278	22916	2.34	ng	95
92) Benzo(g,h,i)perylene	26.557	276	78108	8.27	ng	98

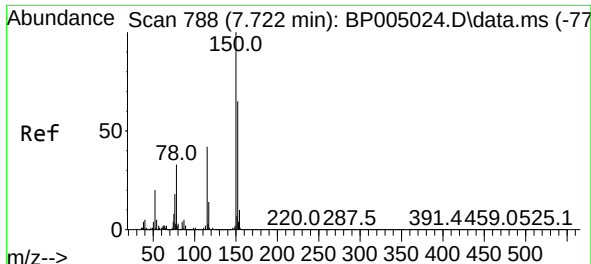
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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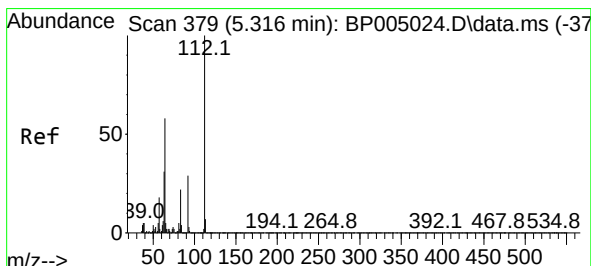
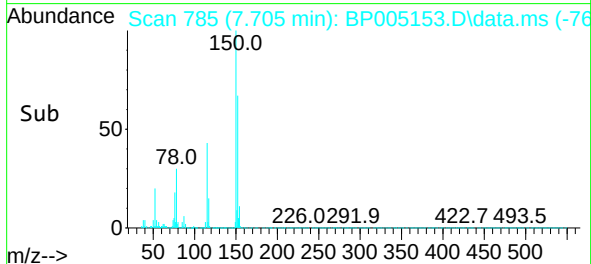
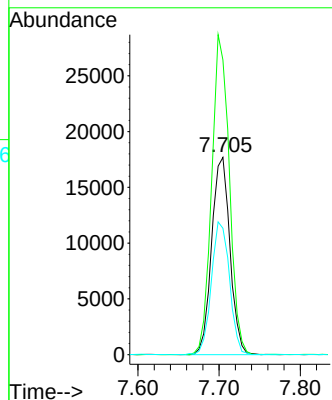
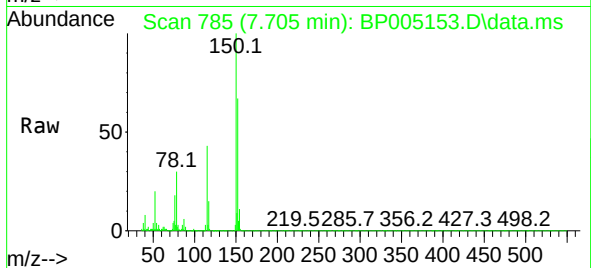




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.705 min Scan# 785
Delta R.T. -0.000 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

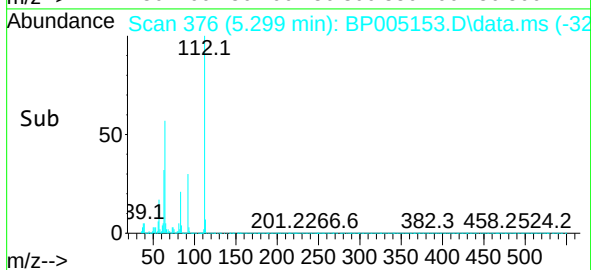
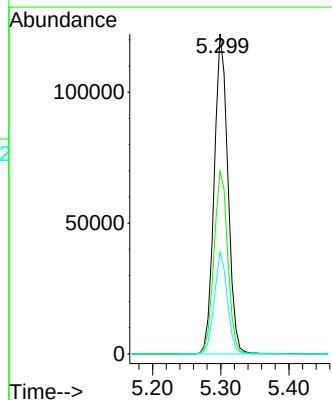
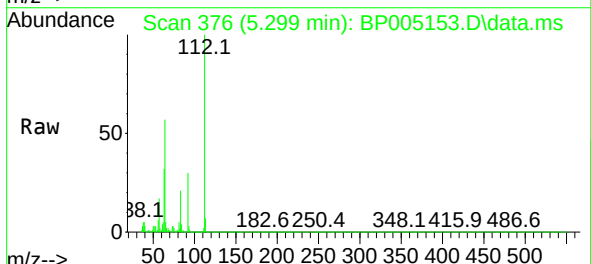
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

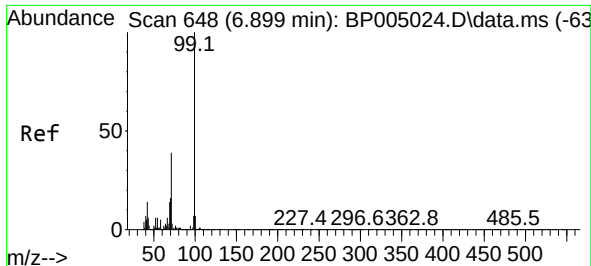
Tgt Ion:152 Resp: 27665
Ion Ratio Lower Upper
152 100
150 149.3 123.8 185.6
115 64.1 43.8 65.6



#5
2-Fluorophenol
Concen: 95.16 ng
RT: 5.299 min Scan# 376
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:112 Resp: 171071
Ion Ratio Lower Upper
112 100
64 57.1 32.8 49.2#
63 31.9 17.0 25.4#

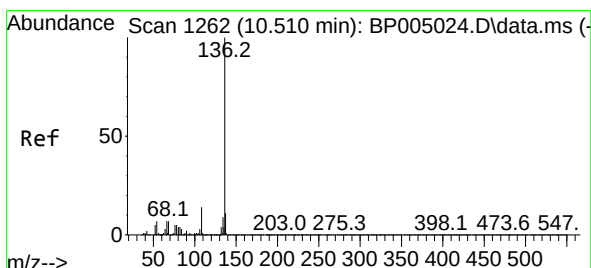
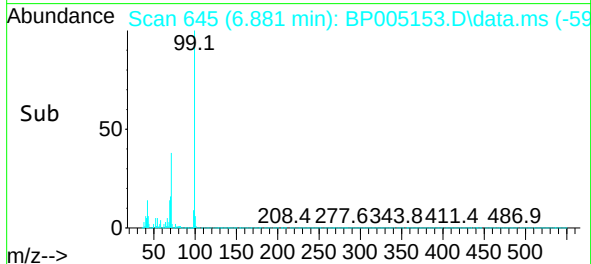
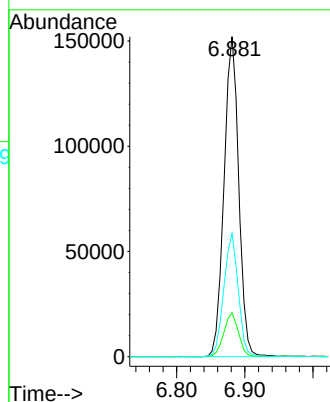
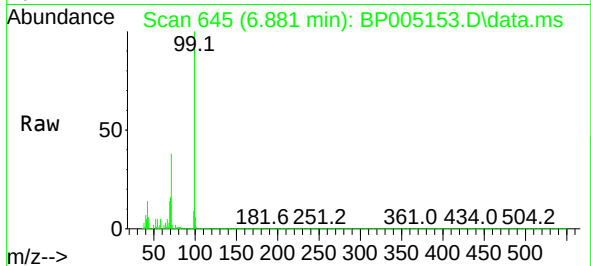




#7
Phenol-d6
Concen: 88.69 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

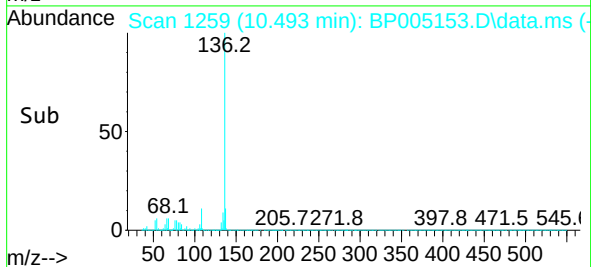
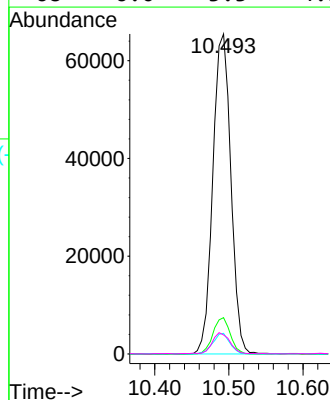
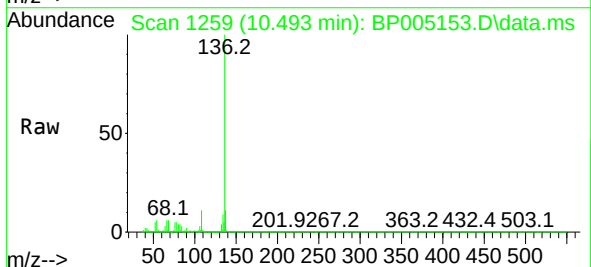
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

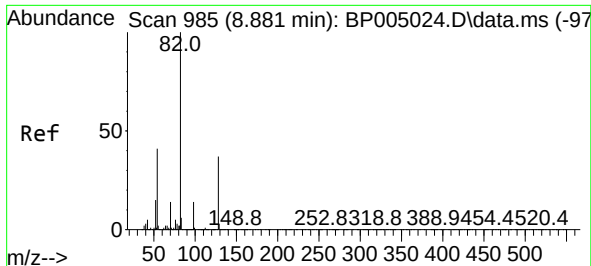
Tgt Ion: 99 Resp: 228378
Ion Ratio Lower Upper
99 100
42 13.7 8.6 13.0#
71 38.5 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion: 136 Resp: 110375
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 6.5 3.6 5.4#
68 6.0 3.3 4.9#

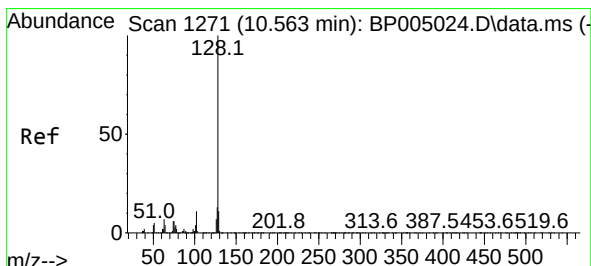
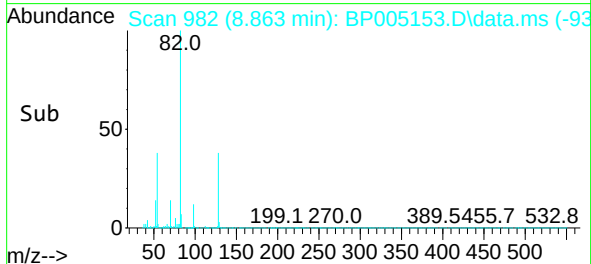
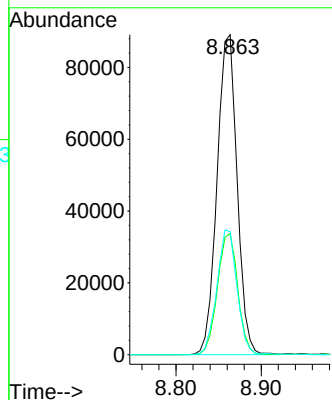
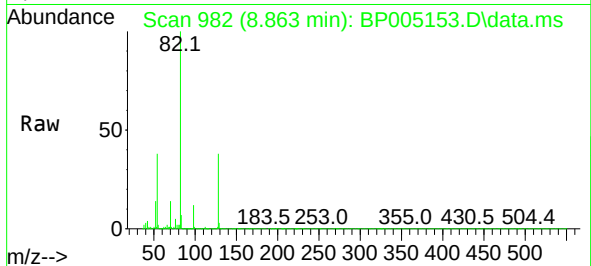




#23
Nitrobenzene-d5
Concen: 56.73 ng
RT: 8.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

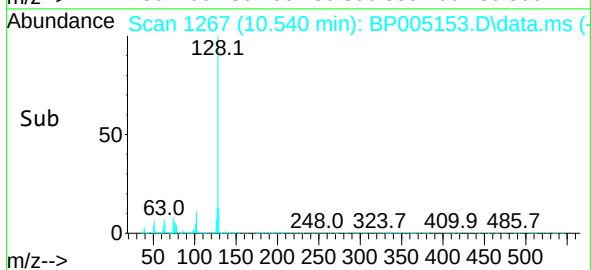
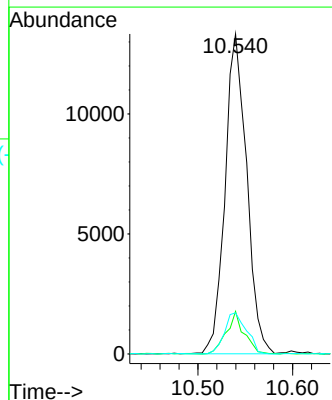
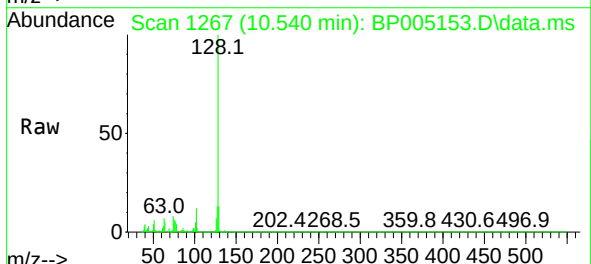
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

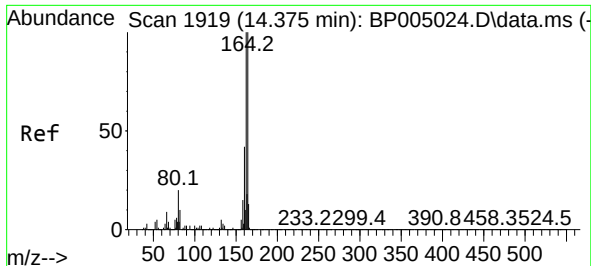
Tgt Ion: 82 Resp: 145930
Ion Ratio Lower Upper
82 100
128 37.8 45.6 68.4#
54 38.5 30.1 45.1



#31
Naphthalene
Concen: 3.39 ng
RT: 10.540 min Scan# 1267
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion: 128 Resp: 21149
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2#
127 12.8 10.6 15.8

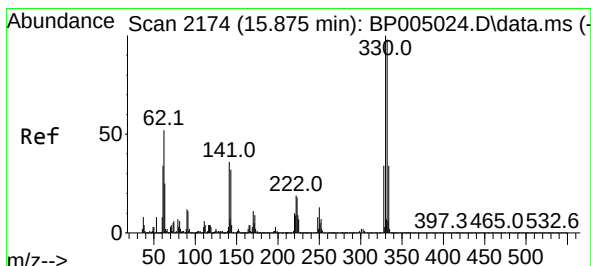
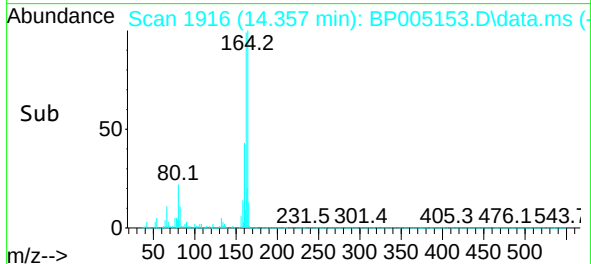
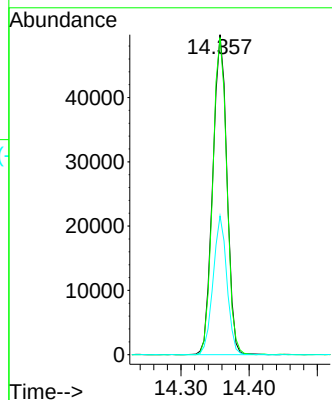
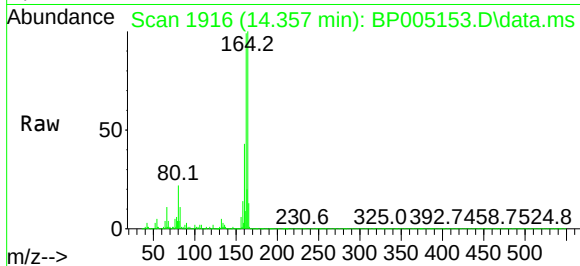




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

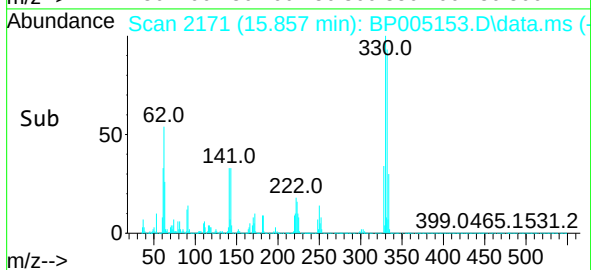
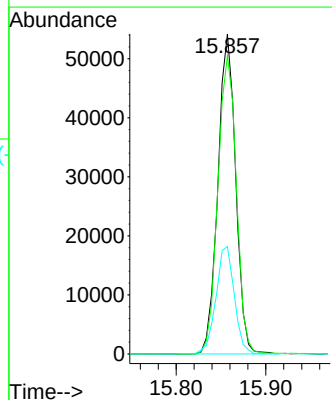
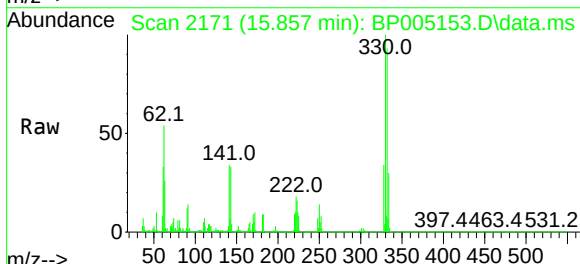
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ClientSampleId :
FS-SB14(5-6)

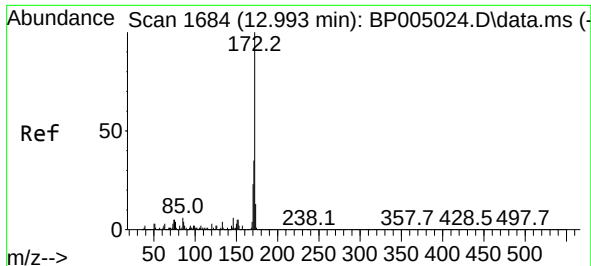
Tgt Ion:164 Resp: 72228
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 43.4 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 79.24 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:330 Resp: 74569
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 34.8 23.4 35.2

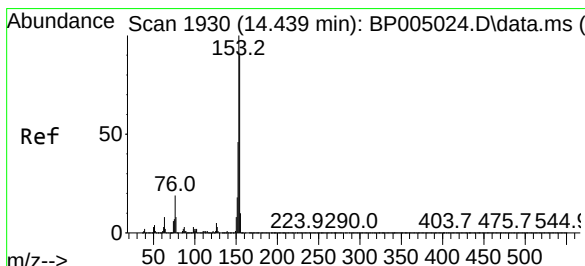
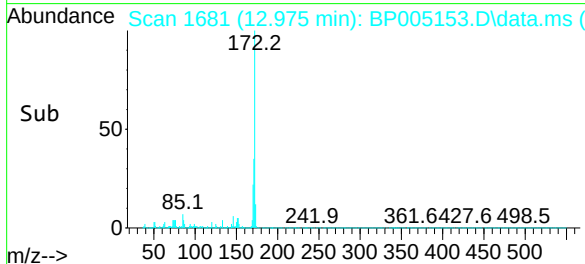
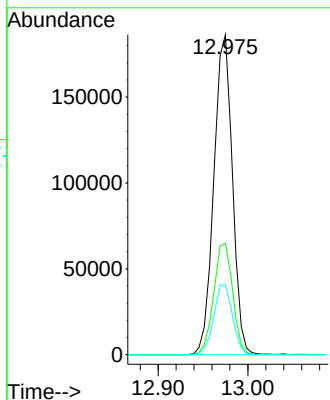
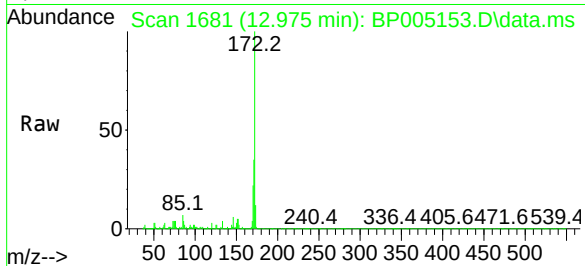




#45
2-Fluorobiphenyl
Concen: 50.14 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

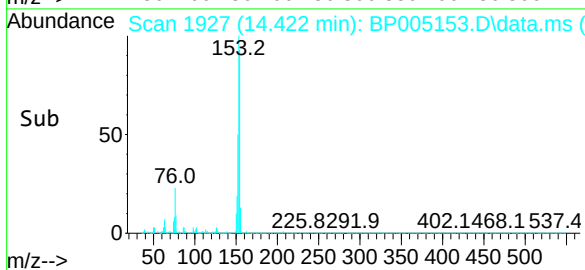
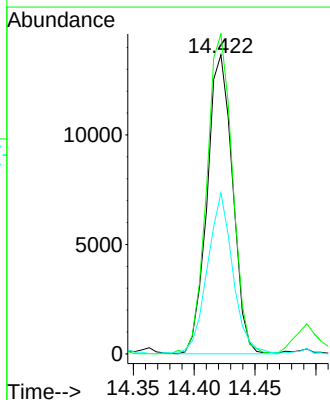
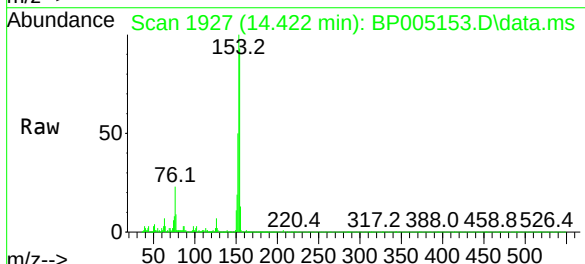
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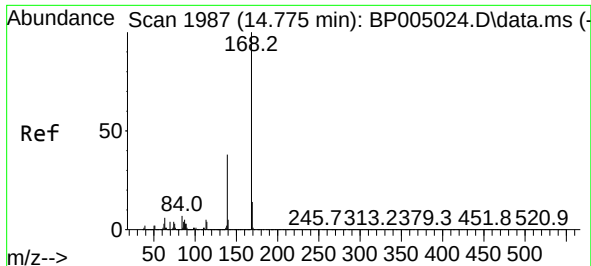
Tgt Ion:172	Resp:	267737
Ion Ratio	Lower	Upper
172	100	
171	34.8	28.5 42.7
170	21.9	19.2 28.8



#52
Acenaphthene
Concen: 4.63 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:154	Resp:	19869
Ion Ratio	Lower	Upper
154	100	
153	107.0	91.0 136.6
152	53.9	43.0 64.6

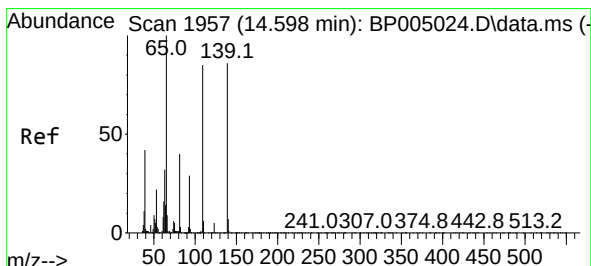
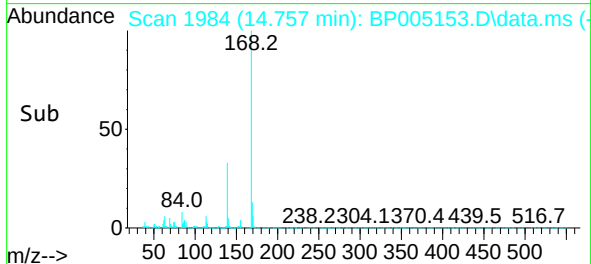
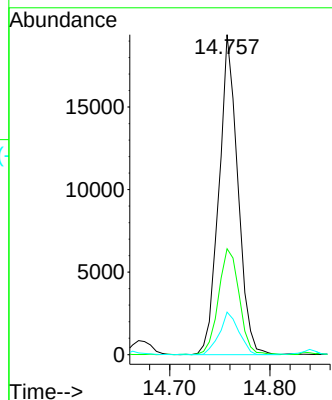
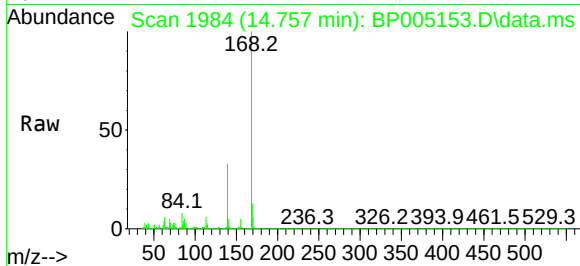




#55
Dibenzenofuran
Concen: 3.60 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

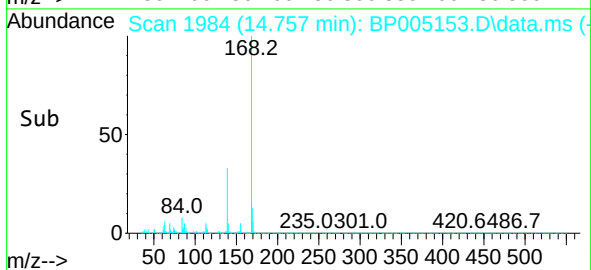
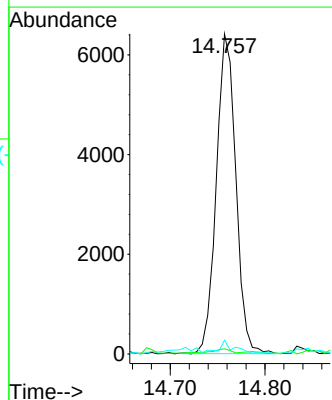
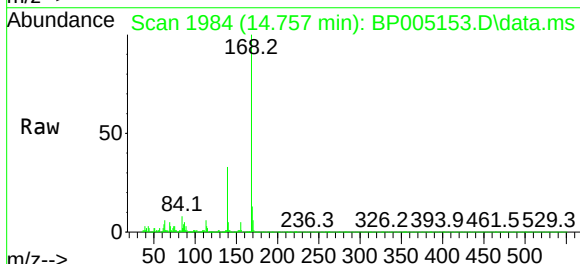
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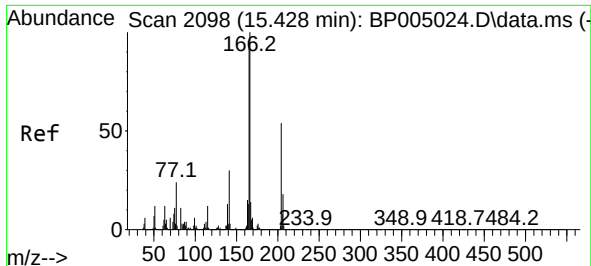
Tgt Ion:168 Resp: 25323
Ion Ratio Lower Upper
168 100
139 33.1 29.1 43.7
169 13.3 10.4 15.6



#56
4-Nitrophenol
Concen: 9.27 ng
RT: 14.757 min Scan# 1984
Delta R.T. 0.165 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:139 Resp: 9172
Ion Ratio Lower Upper
139 100
109 1.6 44.6 84.6#
65 4.3 41.6 81.6#

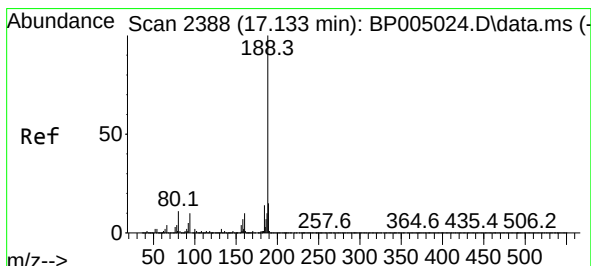
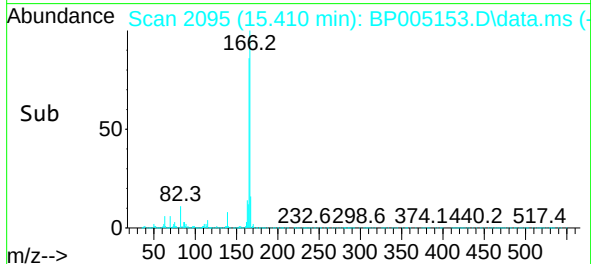
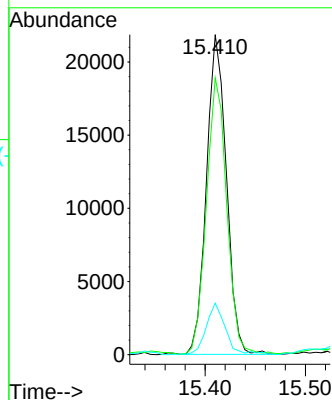
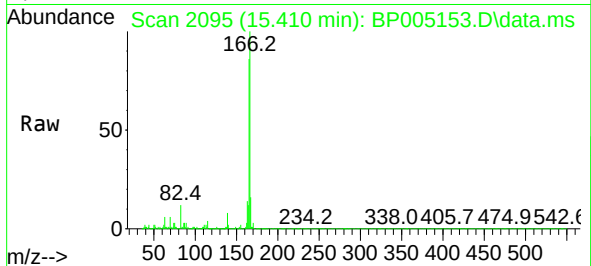




#58
Fluorene
Concen: 5.32 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

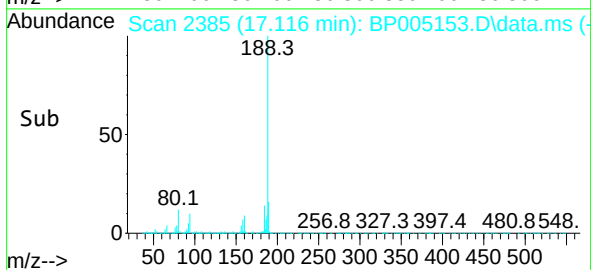
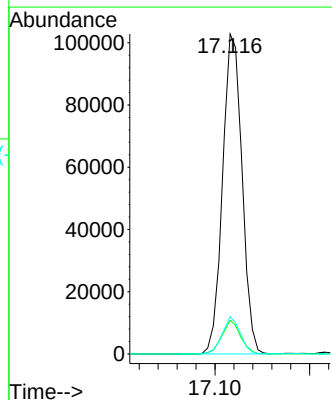
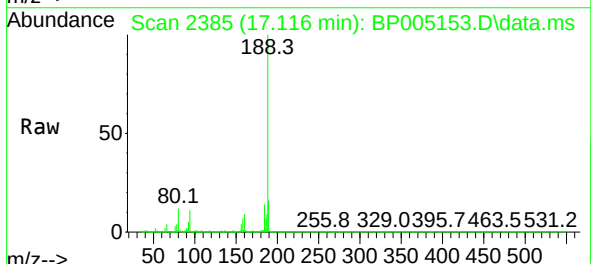
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FS-SB14(5-6)

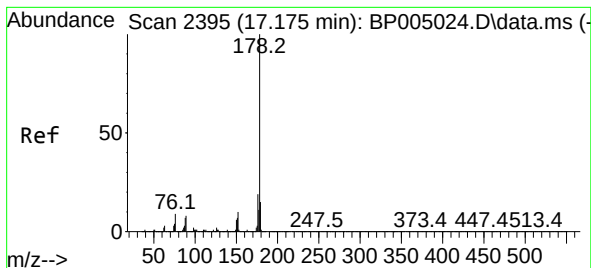
Tgt Ion:166 Resp: 30191
Ion Ratio Lower Upper
166 100
165 86.5 77.8 116.8
167 16.1 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.116 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:188 Resp: 146739
Ion Ratio Lower Upper
188 100
94 10.5 6.2 9.2#
80 11.6 6.2 9.2#

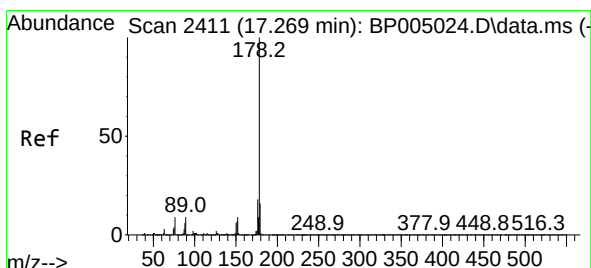
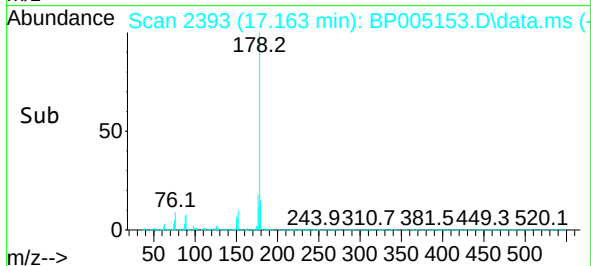
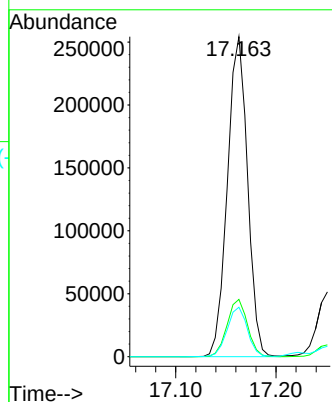
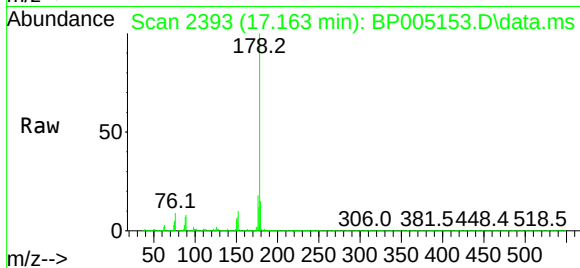




#71
Phenanthrene
Concen: 41.74 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

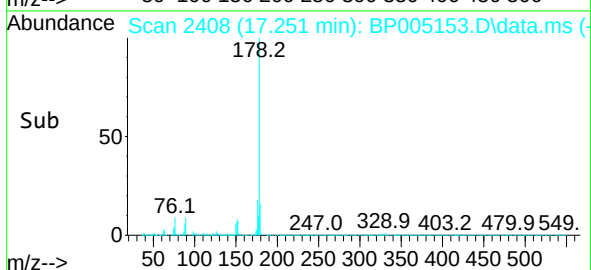
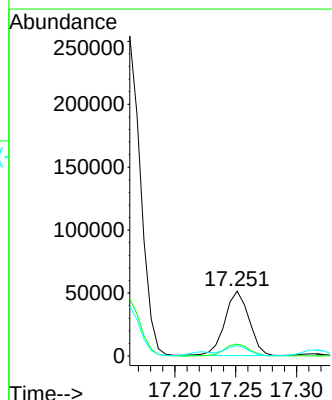
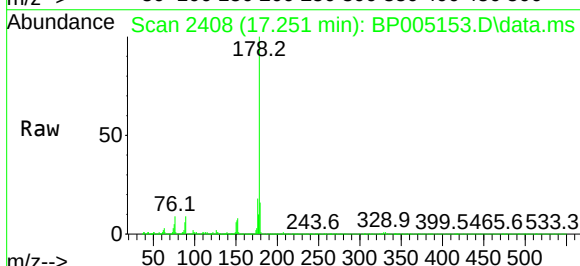
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

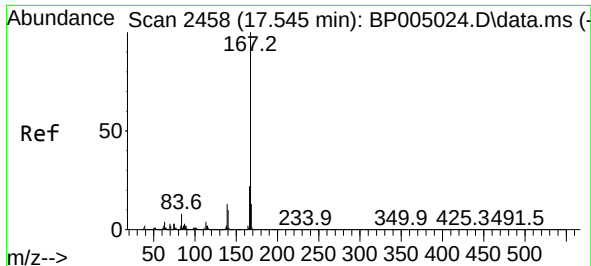
Tgt Ion:178 Resp: 355103
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 8.57 ng
RT: 17.251 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:178 Resp: 71223
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 16.0 12.5 18.7

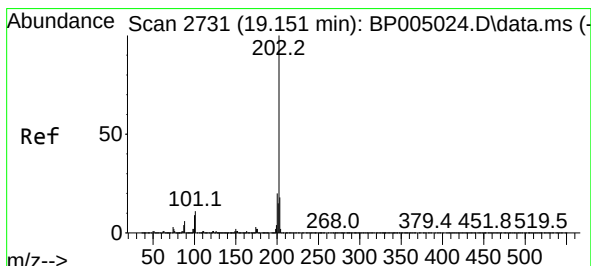
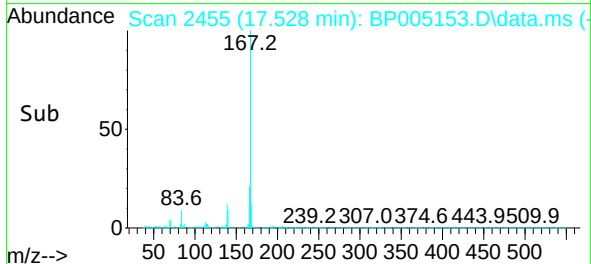
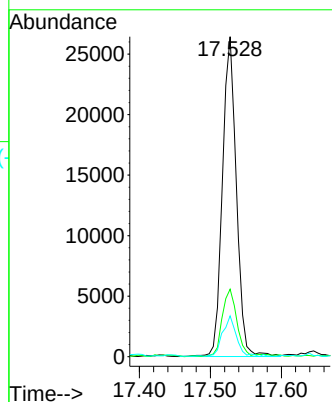
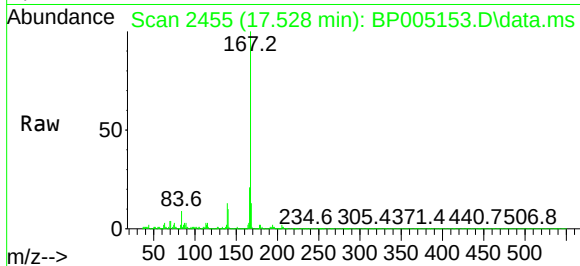




#73
 Carbazole
 Concen: 4.60 ng
 RT: 17.528 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BP005153.D
 Acq: 02 Apr 2021 11:36

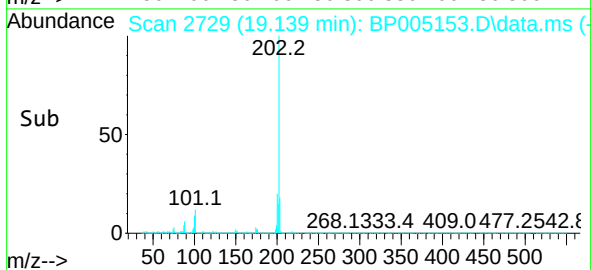
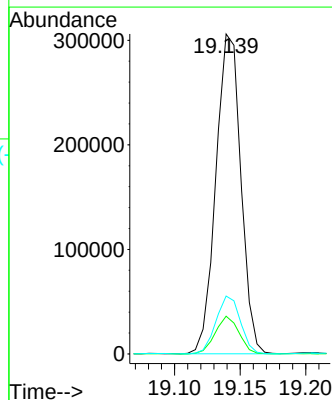
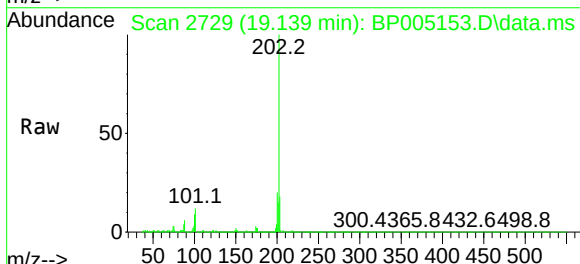
Instrument :
 BNA_P
 ClientSampleId :
 FS-SB14(5-6)

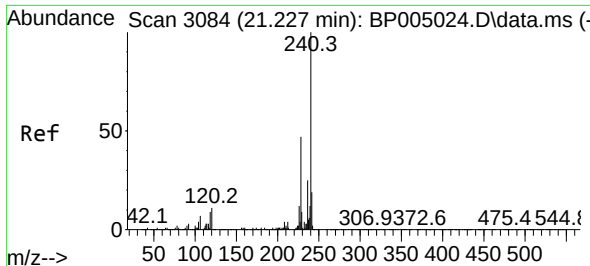
Tgt Ion:167	Resp:	35923
Ion Ratio	Lower	Upper
167	100	
166	21.1	17.6 26.4
139	12.8	10.2 15.4



#75
 Fluoranthene
 Concen: 40.48 ng
 RT: 19.139 min Scan# 2729
 Delta R.T. -0.006 min
 Lab File: BP005153.D
 Acq: 02 Apr 2021 11:36

Tgt Ion:202	Resp:	405079
Ion Ratio	Lower	Upper
202	100	
101	11.8	0.0 29.4
203	18.1	0.0 37.8

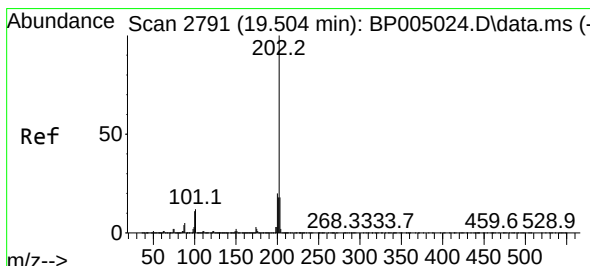
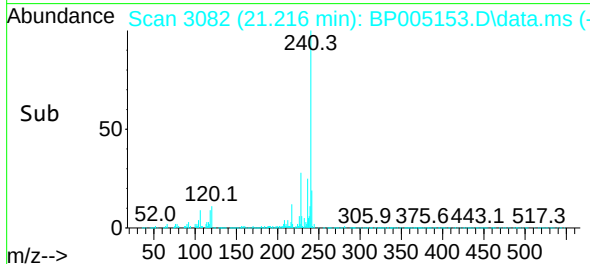
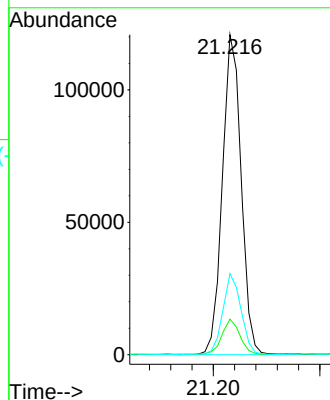
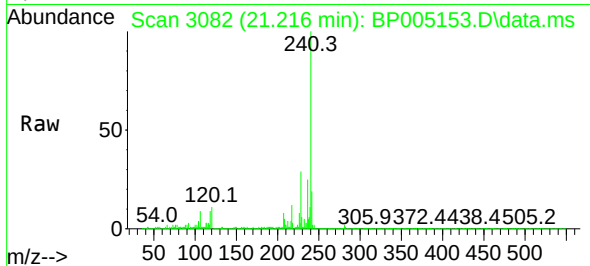




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.216 min Scan# 3082
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

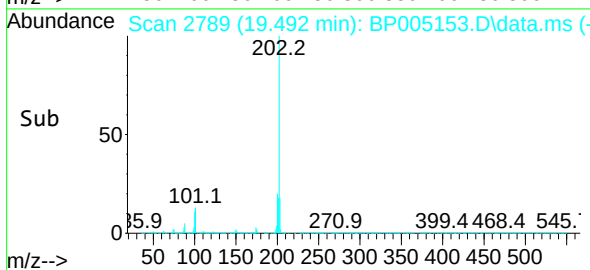
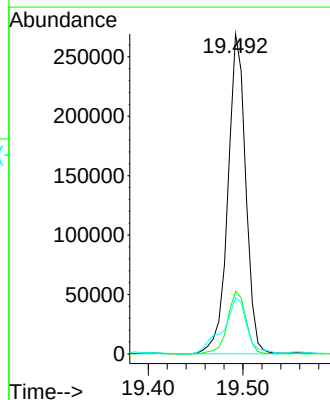
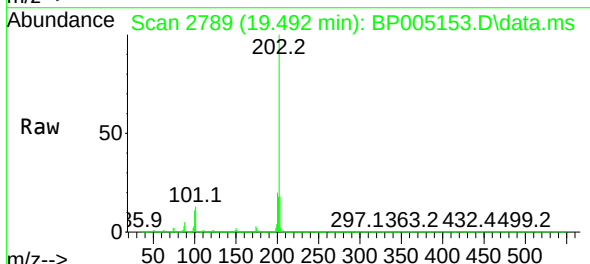
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

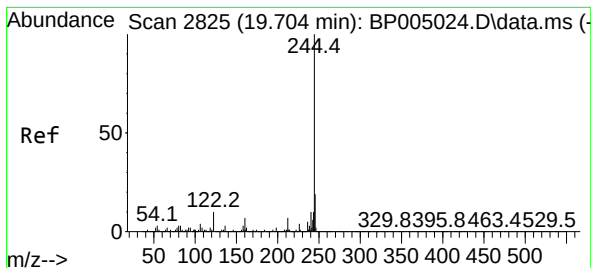
Tgt Ion:240 Resp: 147389
Ion Ratio Lower Upper
240 100
120 11.1 7.8 11.6
236 25.3 20.8 31.2



#78
Pyrene
Concen: 34.71 ng
RT: 19.492 min Scan# 2789
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:202 Resp: 351555
Ion Ratio Lower Upper
202 100
200 19.6 17.1 25.7
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 45.27 ng

RT: 19.692 min Scan# 2823

Delta R.T. -0.006 min

Lab File: BP005153.D

Acq: 02 Apr 2021 11:36

Instrument :

BNA_P

ClientSampleId :

FS-SB14(5-6)

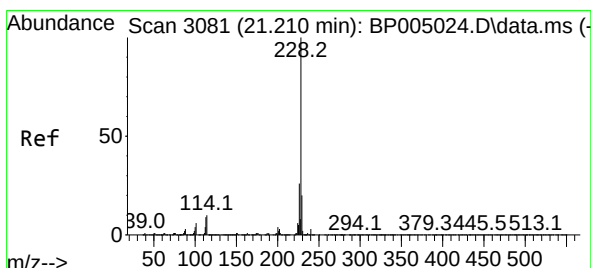
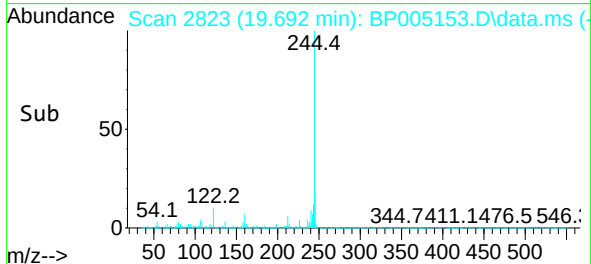
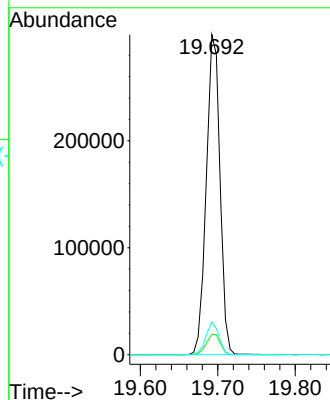
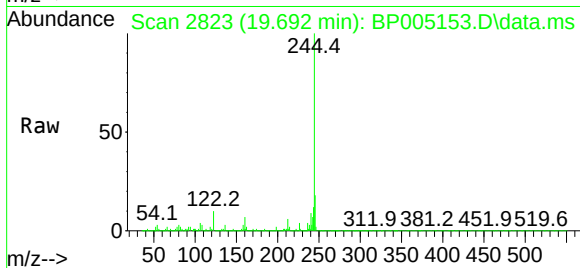
Tgt Ion:244 Resp: 366540

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

122 10.2 7.8 11.8



#81

Benzo(a)anthracene

Concen: 17.79 ng

RT: 21.204 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BP005153.D

Acq: 02 Apr 2021 11:36

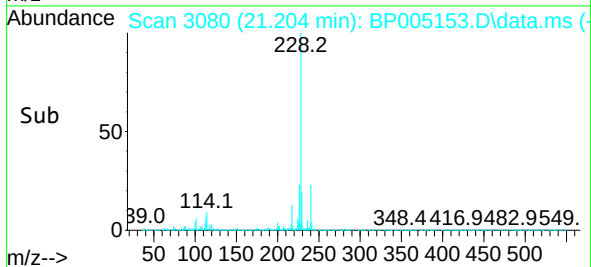
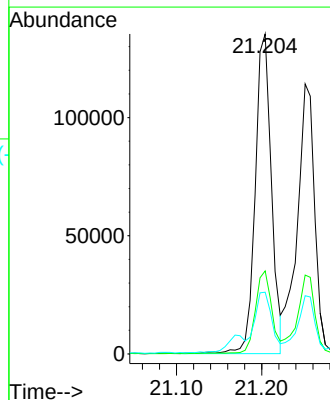
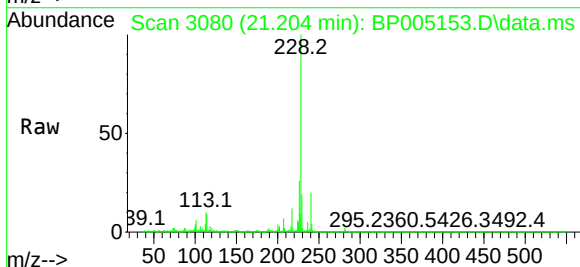
Tgt Ion:228 Resp: 178164

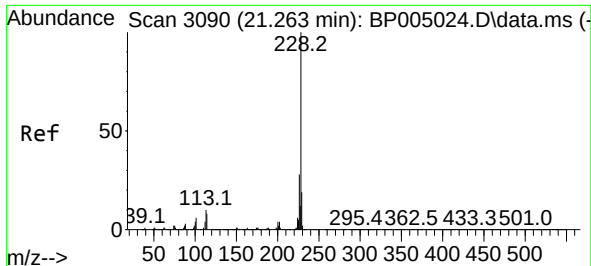
Ion Ratio Lower Upper

228 100

226 26.0 22.1 33.1

229 19.3 15.9 23.9

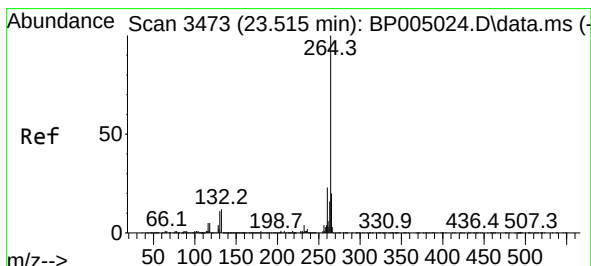
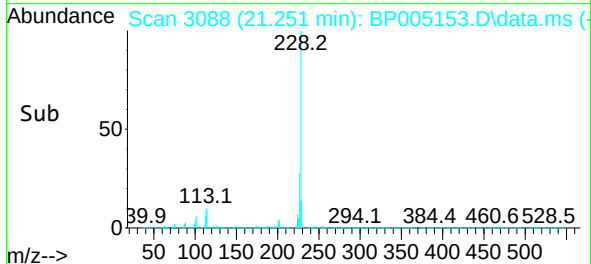
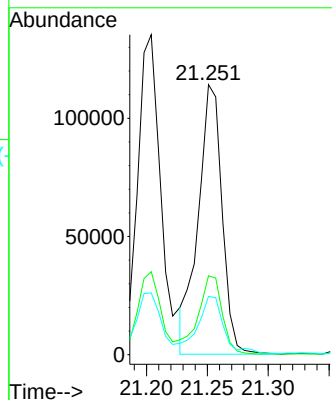
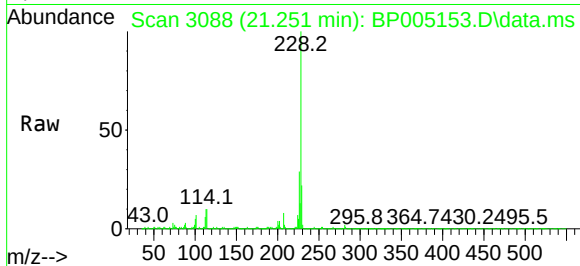




#83
Chrysene
Concen: 15.90 ng
RT: 21.251 min Scan# 3088
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

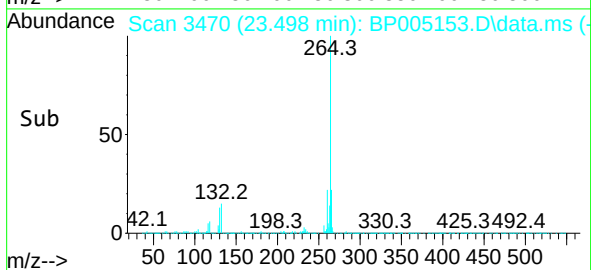
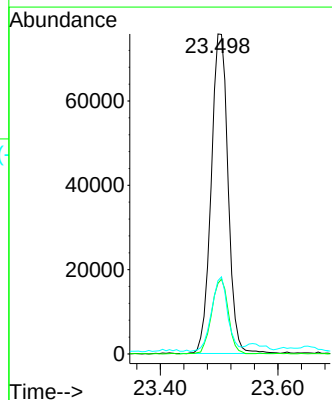
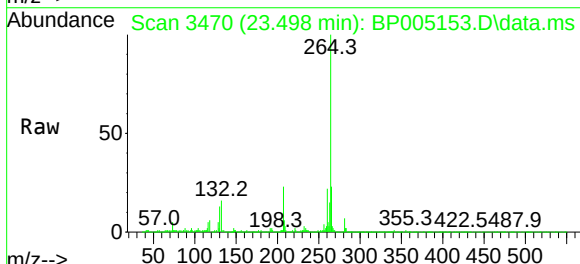
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

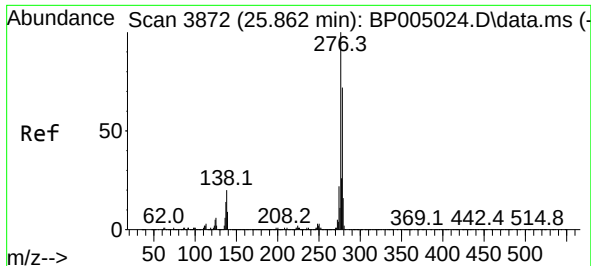
Tgt Ion:	228	Resp:	156230
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.4	36.6
229	21.6	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.498 min Scan# 3470
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:	264	Resp:	150922
Ion Ratio	Lower	Upper	
264	100		
260	22.1	18.8	28.2
265	22.9	17.4	26.2

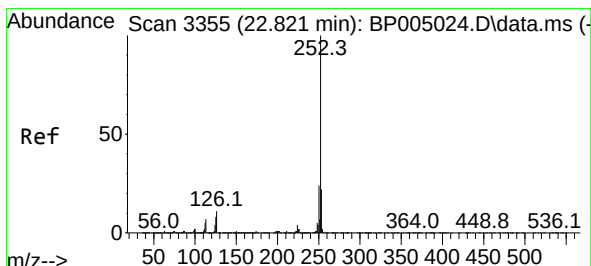
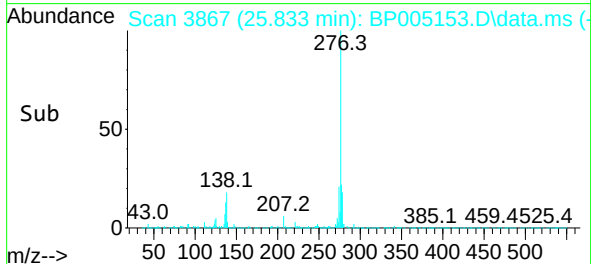
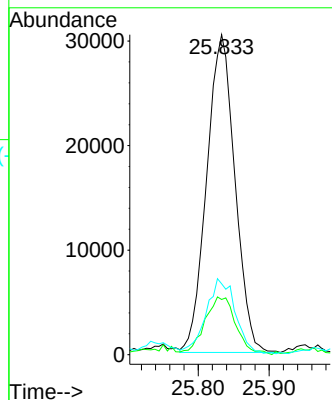
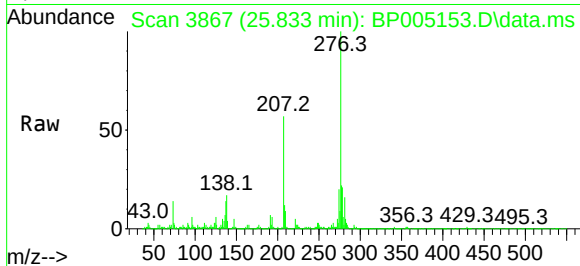




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.43 ng
RT: 25.833 min Scan# 3867
Delta R.T. -0.030 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

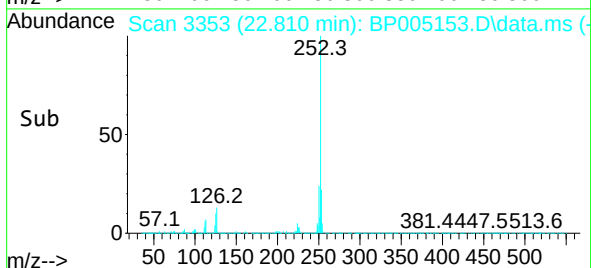
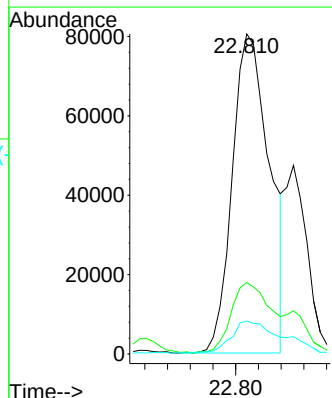
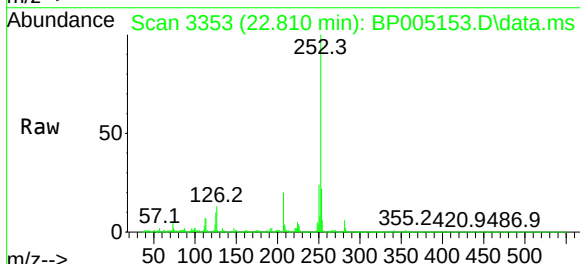
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

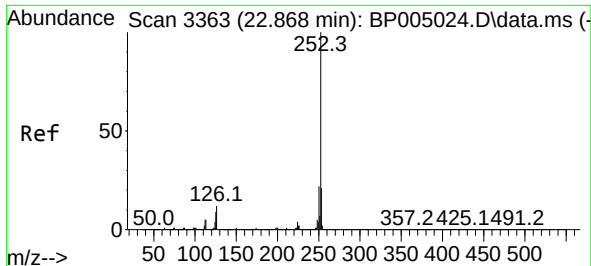
Tgt Ion:276 Resp: 84126
Ion Ratio Lower Upper
276 100
138 19.9 18.7 28.1
277 24.4 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 17.10 ng
RT: 22.810 min Scan# 3353
Delta R.T. -0.006 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:252 Resp: 183245
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.3 7.3 10.9

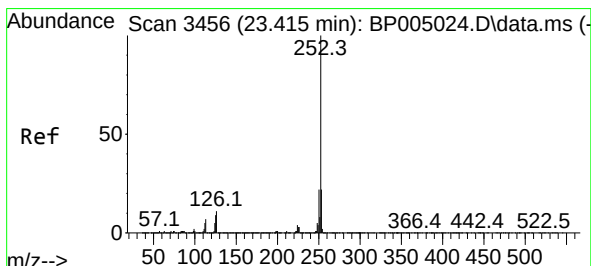
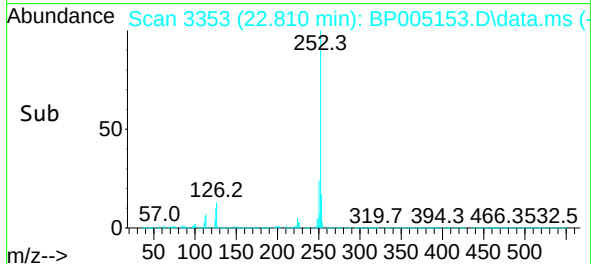
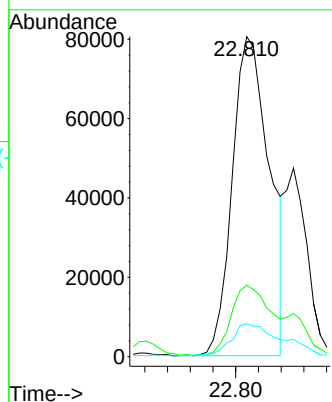
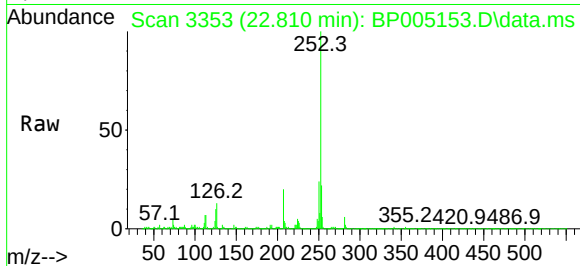




#89
Benzo(k)fluoranthene
Concen: 17.84 ng
RT: 22.810 min Scan# 3353
Delta R.T. -0.053 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

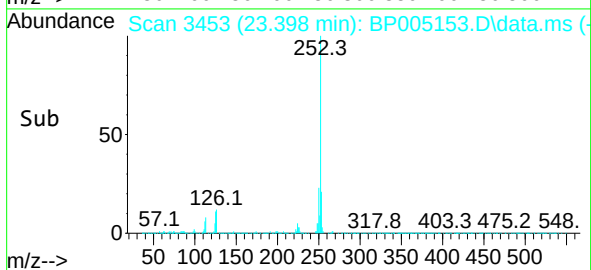
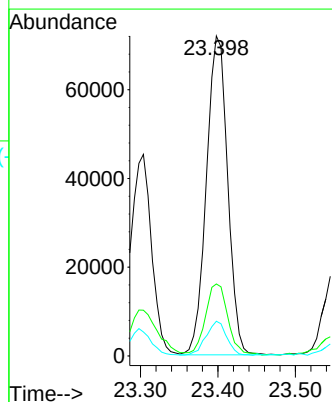
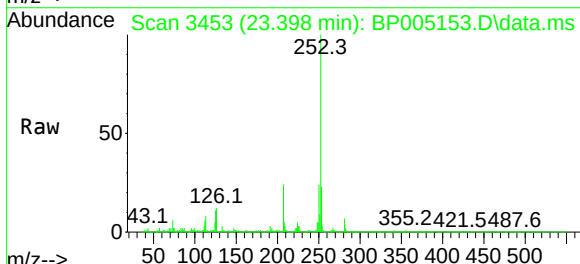
Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

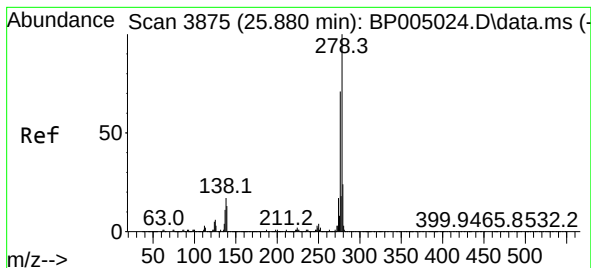
Tgt Ion:252 Resp: 183245
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.3 7.4 11.2



#90
Benzo(a)pyrene
Concen: 14.26 ng
RT: 23.398 min Scan# 3453
Delta R.T. -0.012 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:252 Resp: 137012
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.9 8.2 12.4

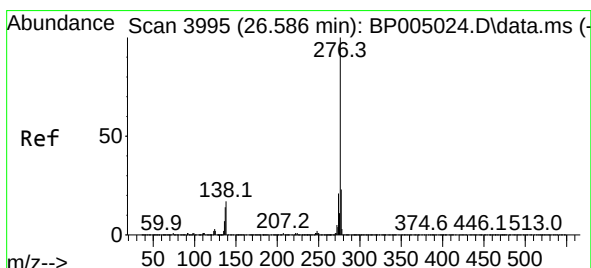
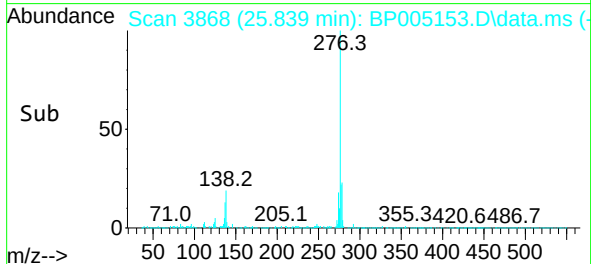
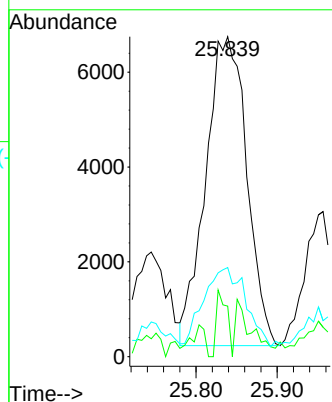
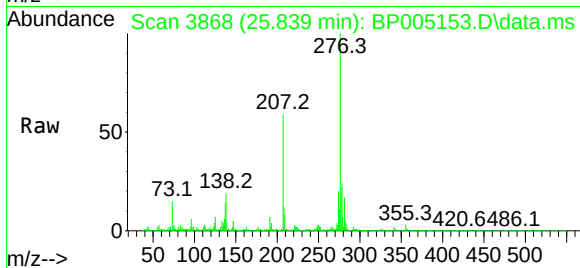




#91
Dibenzo(a,h)anthracene
Concen: 2.34 ng
RT: 25.839 min Scan# 3868
Delta R.T. -0.035 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Instrument :
BNA_P
ClientSampleId :
FS-SB14(5-6)

Tgt Ion:278 Resp: 22916
Ion Ratio Lower Upper
278 100
139 15.8 12.4 18.6
279 27.8 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 8.27 ng
RT: 26.557 min Scan# 3990
Delta R.T. -0.024 min
Lab File: BP005153.D
Acq: 02 Apr 2021 11:36

Tgt Ion:276 Resp: 78108
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 19.1 16.6 24.8

