

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040621\
 Data File : BP005210.D
 Acq On : 06 Apr 2021 22:49
 Operator : CG/JU
 Sample : M1909-02DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FS-SB-10-26-27DL

Quant Time: Apr 07 00:32:42 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 06 12:33:08 2021
 Response via : Initial Calibration

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

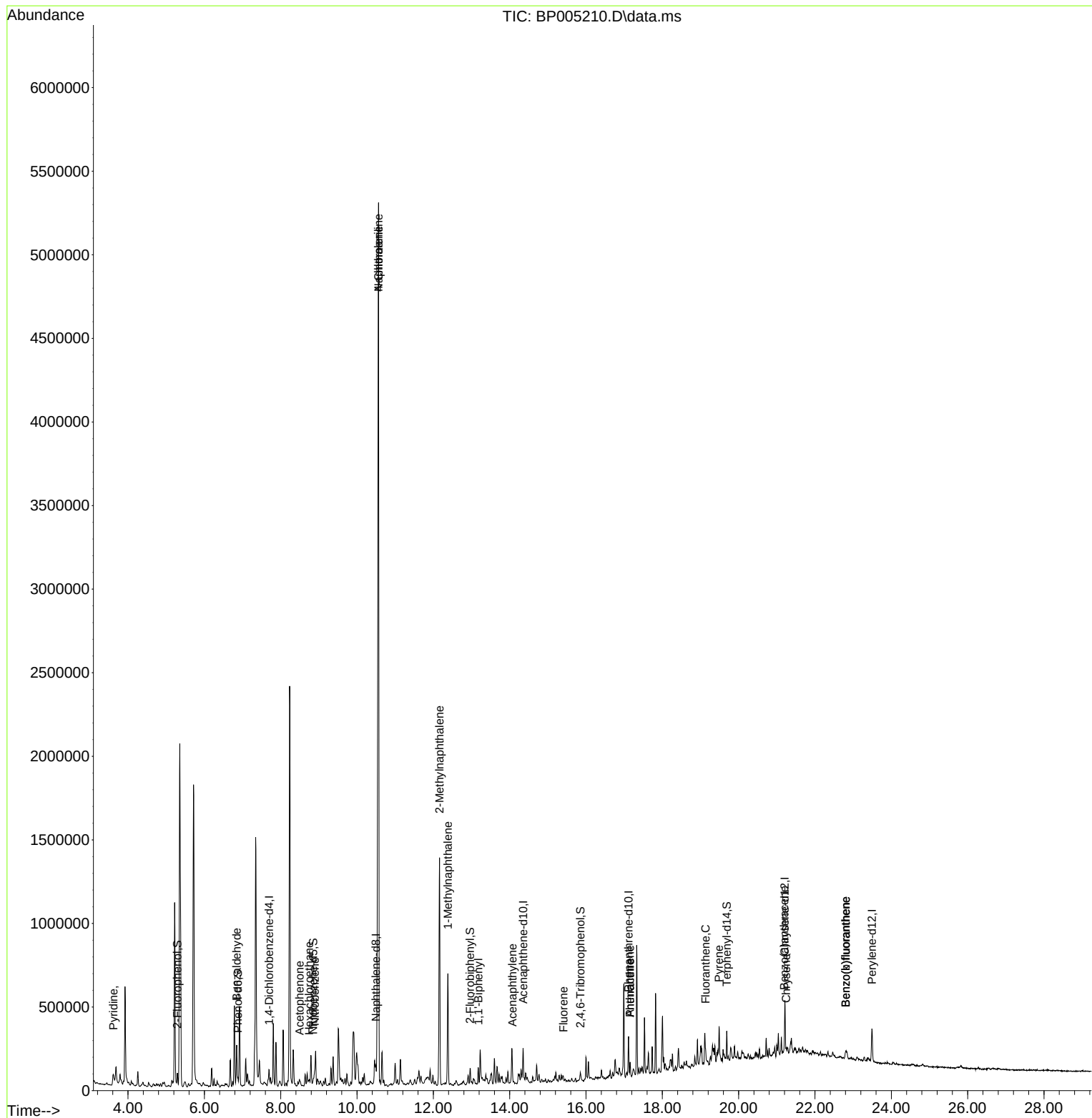
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	27010	20.00	ng	# 0.00
21) Naphthalene-d8	10.493	136	106254	20.00	ng	# 0.00
39) Acenaphthene-d10	14.351	164	64192	20.00	ng	0.00
64) Phenanthrene-d10	17.116	188	136044	20.00	ng	# 0.00
76) Chrysene-d12	21.210	240	136614	20.00	ng	0.00
86) Perylene-d12	23.492	264	140985	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	18794	10.71	ng	0.00
7) Phenol-d6	6.875	99	27726	11.03	ng	0.00
23) Nitrobenzene-d5	8.852	82	17837	7.20	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	6078	7.27	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	38331	8.08	ng	0.00
79) Terphenyl-d14	19.686	244	57147	7.61	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.617	79	52389	27.57	ng	# 43
9) Benzaldehyde	6.846	77	17161	13.40	ng	# 1
18) Hexachloroethane	8.746	117	17136	21.54	ng	# 1
22) Acetophenone	8.493	105	26192	8.57	ng	# 65
24) Nitrobenzene	8.893	77	7478	2.87	ng	# 19
31) Naphthalene	10.563	128	4902803	816.81	ng	99
33) 4-Chloroaniline	10.563	127	663730	273.32	ng	# 38
37) 2-Methylnaphthalene	12.163	142	584919	134.96	ng	# 96
38) 1-Methylnaphthalene	12.381	142	298871	73.57	ng	97
46) 1,1'-Biphenyl	13.181	154	38486	7.86	ng	95
49) Acenaphthylene	14.075	152	19229	3.10	ng	# 90
58) Fluorene	15.410	166	10728	2.13	ng	# 97
71) Phenanthrene	17.157	178	47413	6.01	ng	99
72) Anthracene	17.157	178	47413	6.15	ng	99
75) Fluoranthene	19.134	202	47036	5.07	ng	97
78) Pyrene	19.486	202	45462	4.84	ng	97
81) Benzo(a)anthracene	21.198	228	21877	2.36	ng	96
83) Chrysene	21.245	228	20149	2.21	ng	# 93
88) Benzo(b)fluoranthene	22.804	252	21003	2.10	ng	# 92
89) Benzo(k)fluoranthene	22.804	252	21003	2.19	ng	# 91

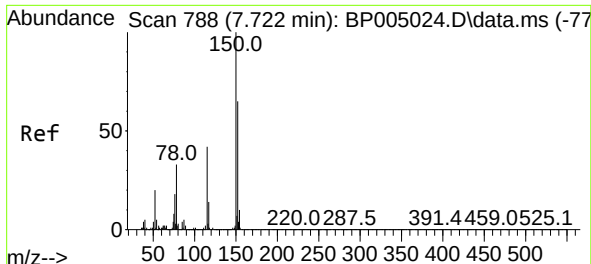
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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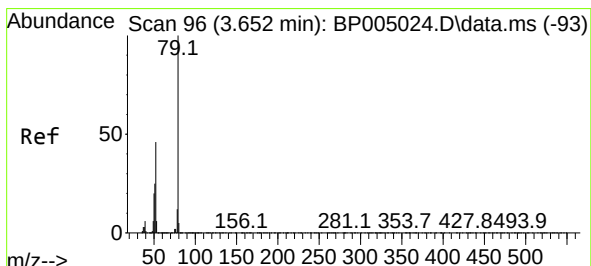
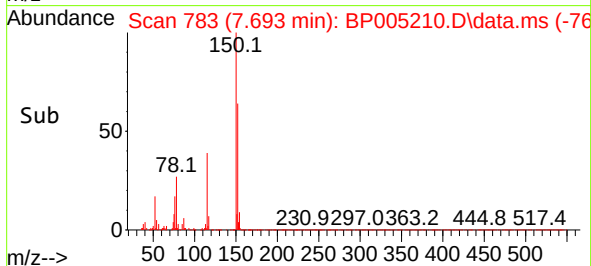
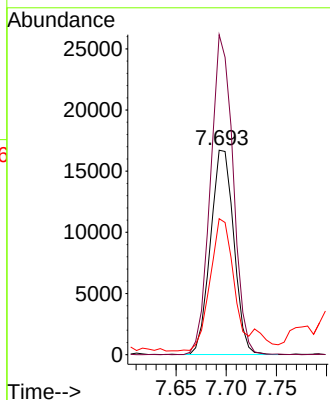
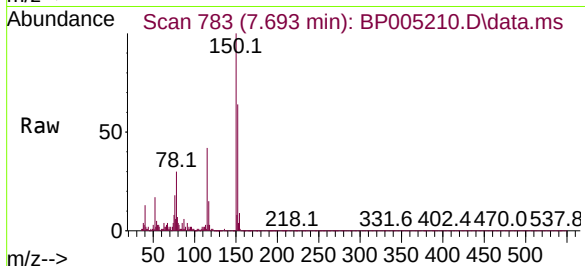




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.693 min Scan# 783
Delta R.T. -0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

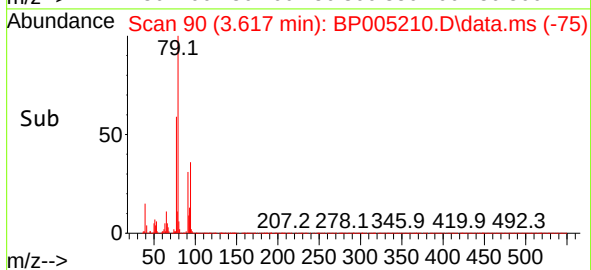
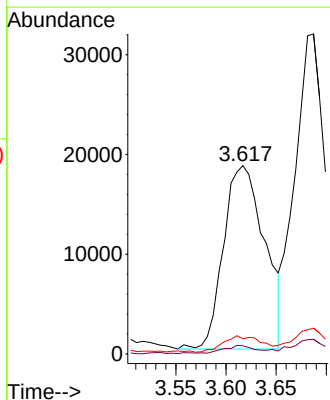
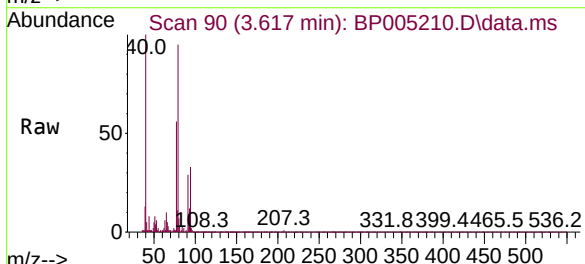
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

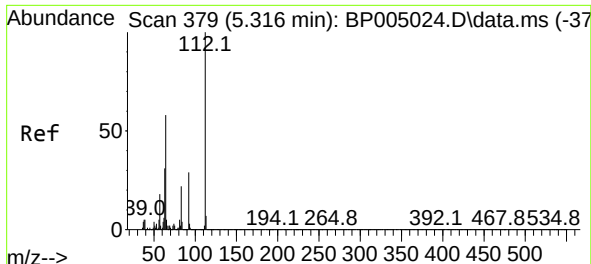
Tgt Ion:152 Resp: 27010
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.6
115 66.5 43.8 65.6#



#3
Pyridine
Concen: 27.57 ng
RT: 3.617 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion: 79 Resp: 52389
Ion Ratio Lower Upper
79 100
52 4.3 41.3 61.9#
51 8.1 21.2 31.8#

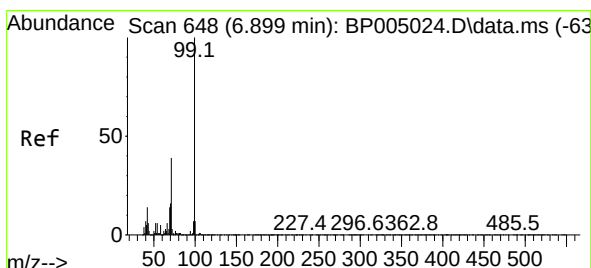
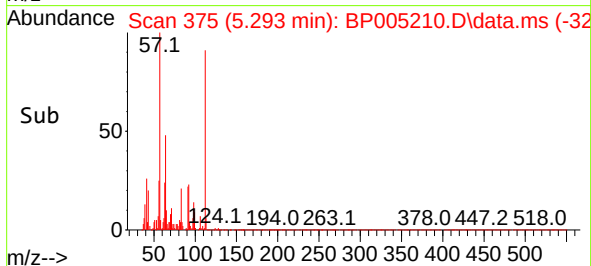
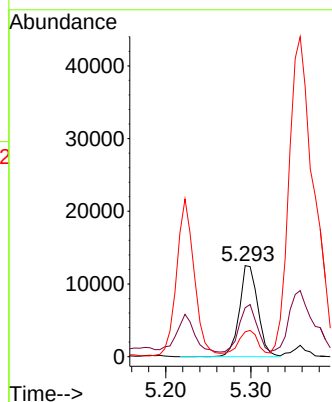
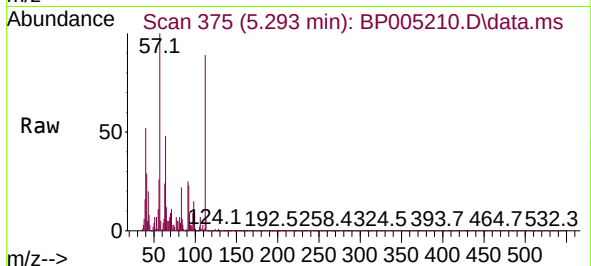




#5
2-Fluorophenol
Concen: 10.71 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

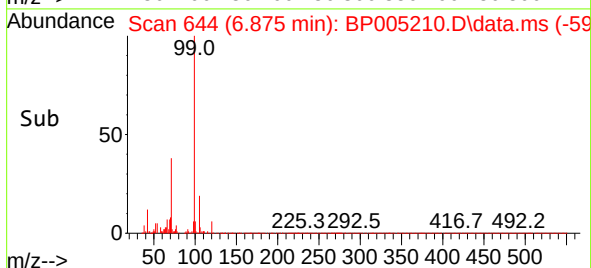
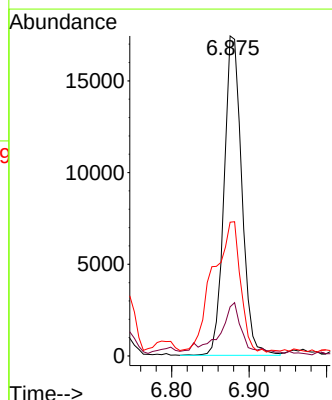
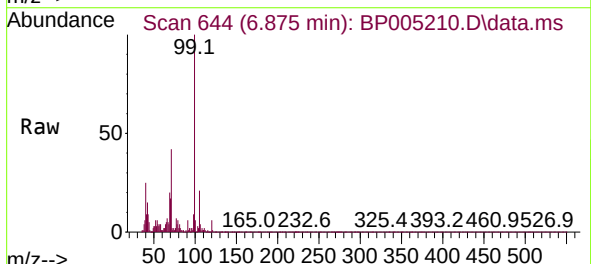
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

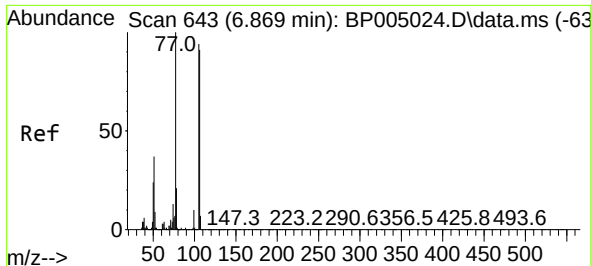
Tgt Ion:112 Resp: 18794
Ion Ratio Lower Upper
112 100
64 53.7 32.8 49.2#
63 27.3 17.0 25.4#



#7
Phenol-d6
Concen: 11.03 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion: 99 Resp: 27726
Ion Ratio Lower Upper
99 100
42 15.3 8.6 13.0#
71 41.8 23.4 35.2#

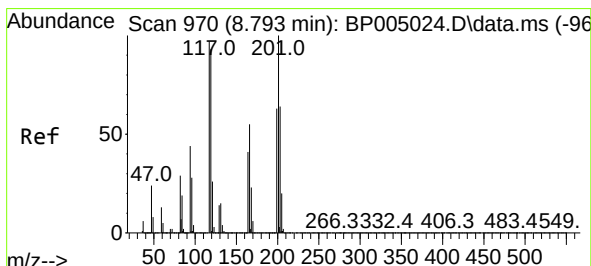
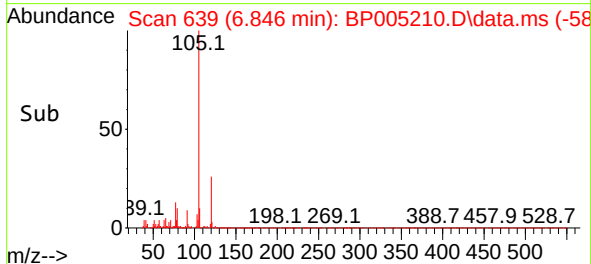
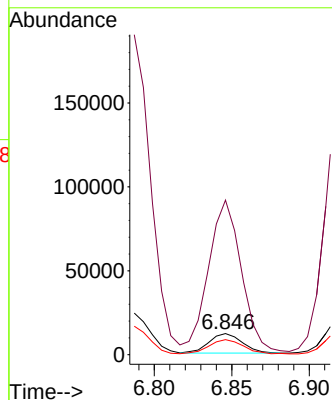
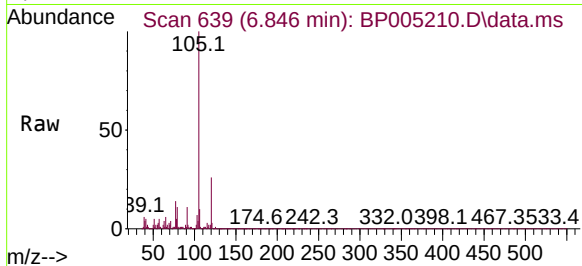




#9
Benzaldehyde
Concen: 13.40 ng
RT: 6.846 min Scan# 639
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

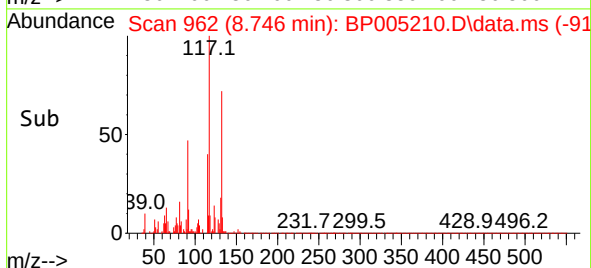
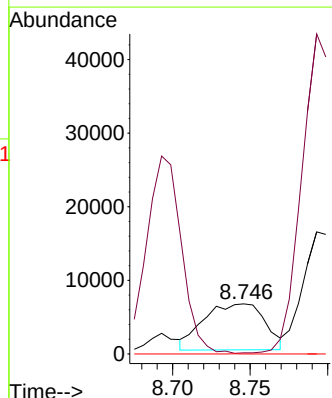
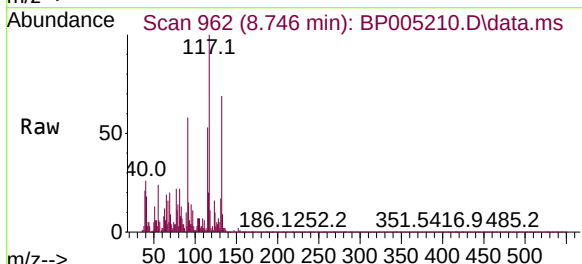
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

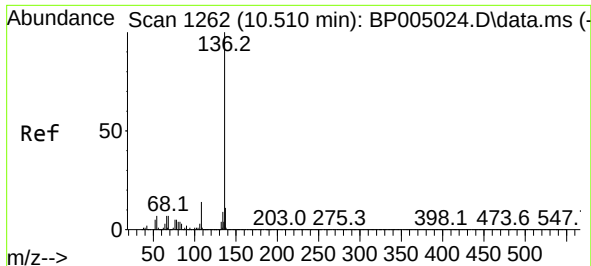
Tgt Ion: 77 Resp: 17161
Ion Ratio Lower Upper
77 100
105 730.0 97.1 137.1#
106 70.9 93.7 133.7#



#18
Hexachloroethane
Concen: 21.54 ng
RT: 8.746 min Scan# 962
Delta R.T. -0.017 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion: 117 Resp: 17136
Ion Ratio Lower Upper
117 100
119 2.1 78.8 118.2#
201 0.0 92.3 138.5#

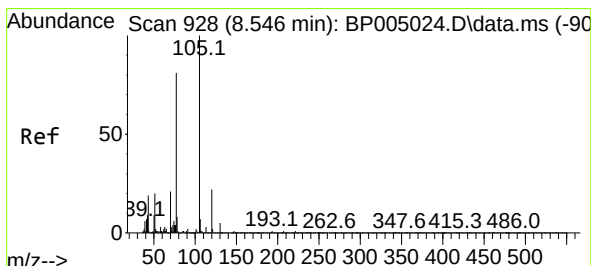
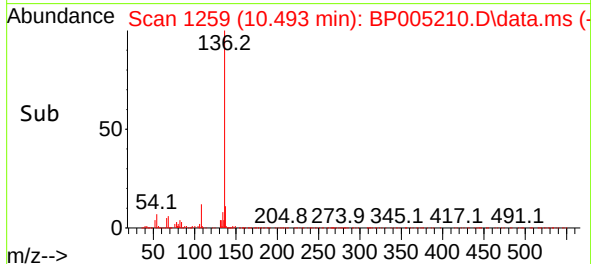
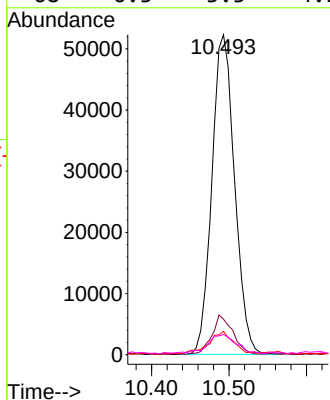
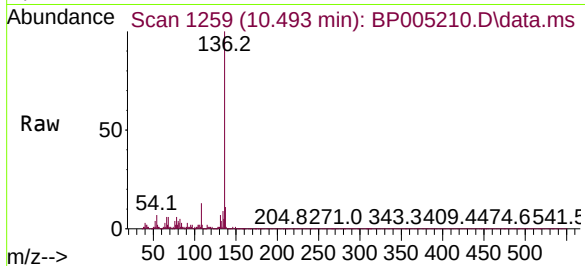




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.493 min Scan# 1259
Delta R.T. 0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

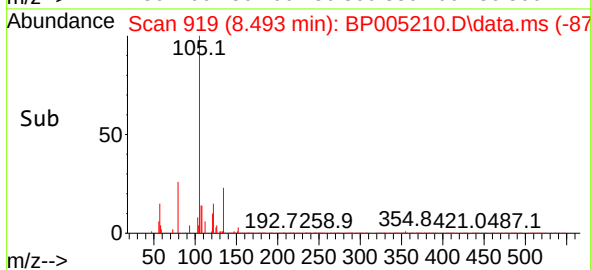
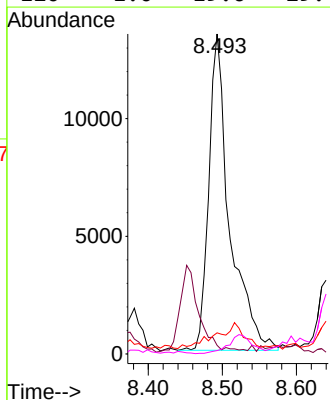
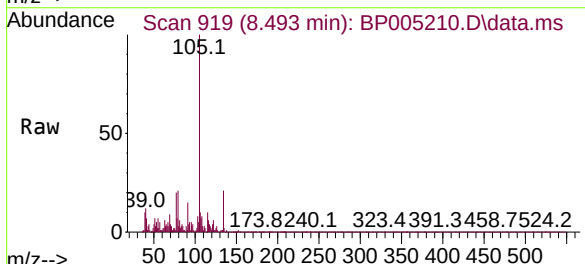
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

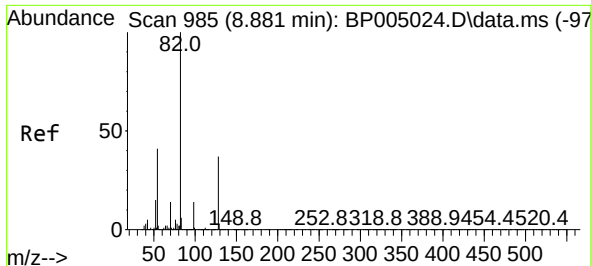
Tgt Ion:	136	Resp:	106254
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	7.3	3.6	5.4#
68	6.3	3.3	4.9#



#22
Acetophenone
Concen: 8.57 ng
RT: 8.493 min Scan# 919
Delta R.T. -0.029 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:	105	Resp:	26192
Ion Ratio	Lower	Upper	
105	100		
71	2.7	2.6	3.8
51	6.6	13.5	20.3#
120	1.0	19.6	29.4#

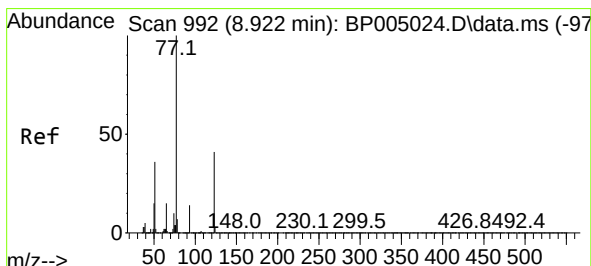
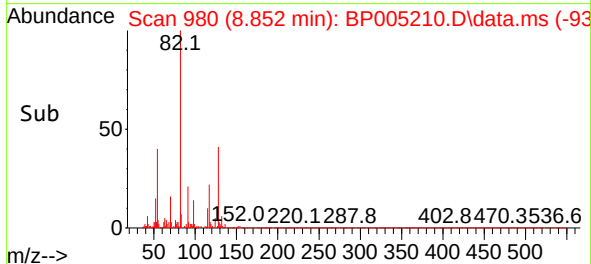
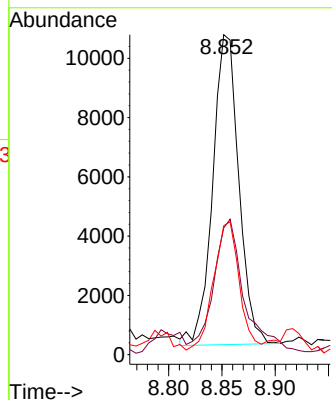
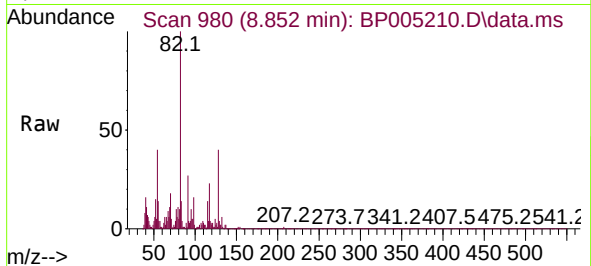




#23
Nitrobenzene-d5
Concen: 7.20 ng
RT: 8.852 min Scan# 980
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

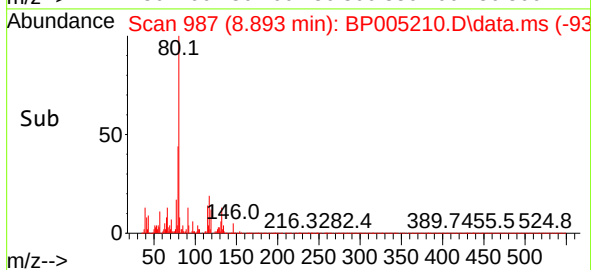
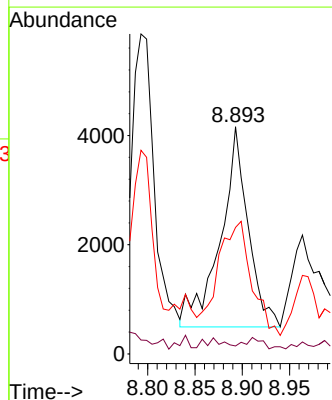
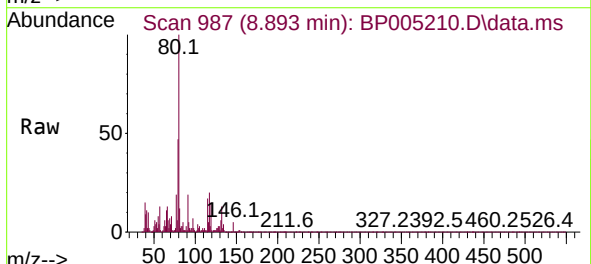
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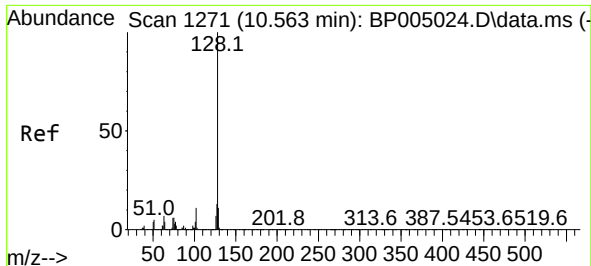
Tgt Ion: 82 Resp: 17837
Ion Ratio Lower Upper
82 100
128 39.6 45.6 68.4#
54 40.3 30.1 45.1



#24
Nitrobenzene
Concen: 2.87 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion: 77 Resp: 7478
Ion Ratio Lower Upper
77 100
123 3.5 48.6 72.8#
65 55.7 10.0 15.0#

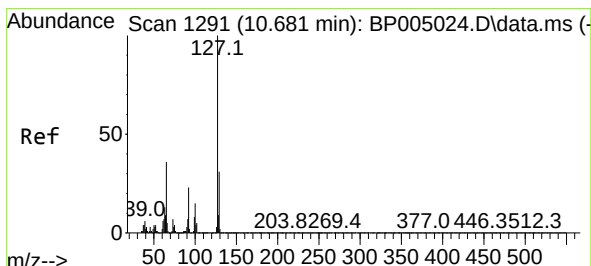
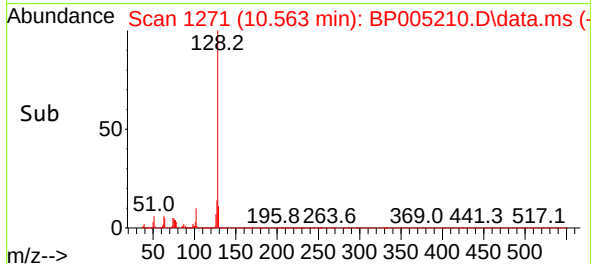
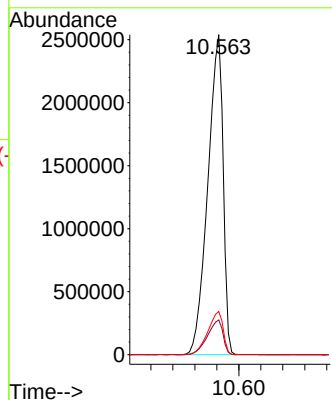
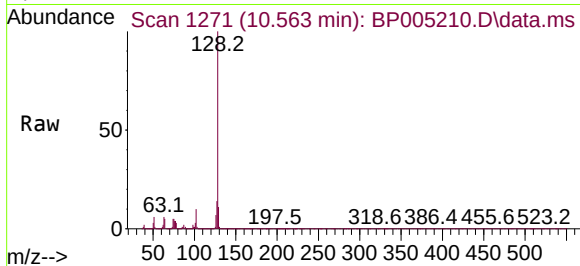




#31
Naphthalene
Concen: 816.81 ng
RT: 10.563 min Scan# 1271
Delta R.T. 0.030 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

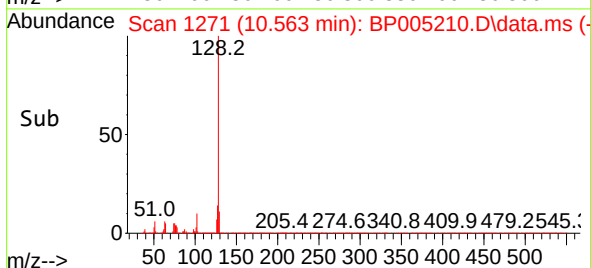
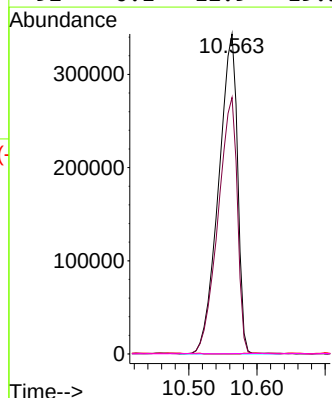
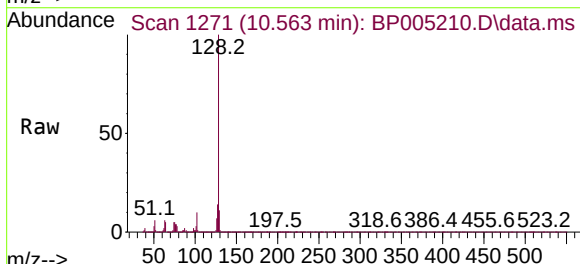
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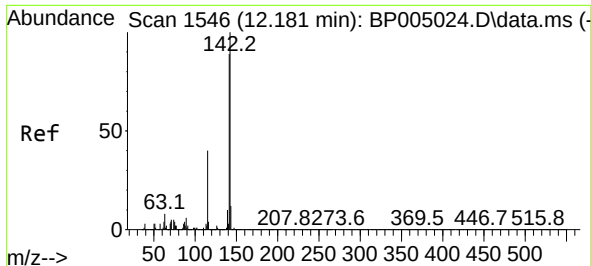
Tgt Ion:128 Resp: 4902803
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.5 10.6 15.8



#33
4-Chloroaniline
Concen: 273.32 ng
RT: 10.563 min Scan# 1271
Delta R.T. -0.088 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:127 Resp: 663730
Ion Ratio Lower Upper
127 100
129 80.2 25.7 38.5#
65 0.0 17.3 25.9#
92 0.1 12.9 19.3#

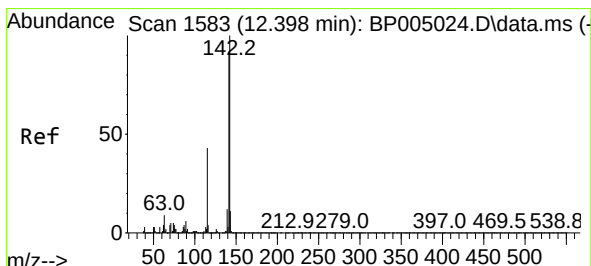
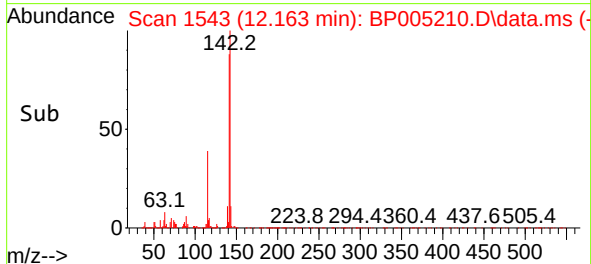
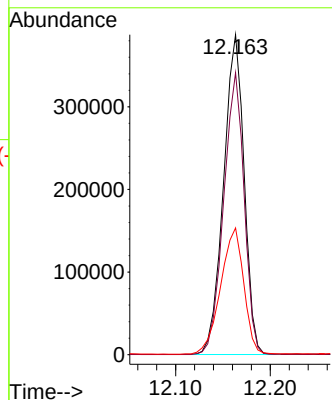
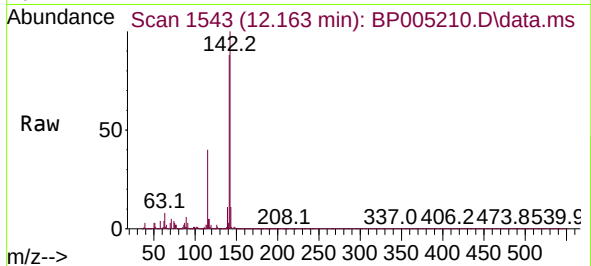




#37
2-Methylnaphthalene
Concen: 134.96 ng
RT: 12.163 min Scan# 1543
Delta R.T. 0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

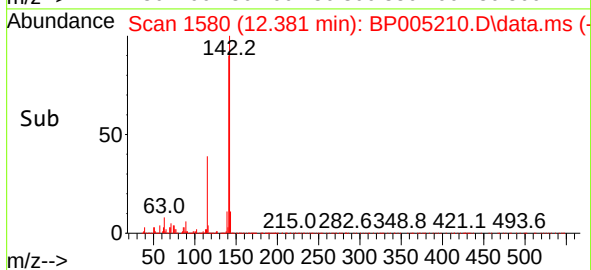
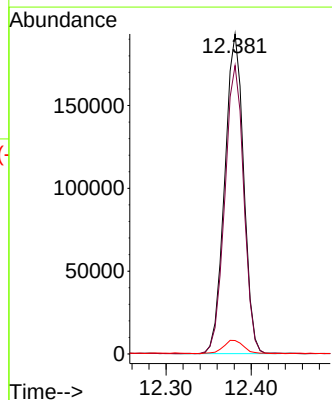
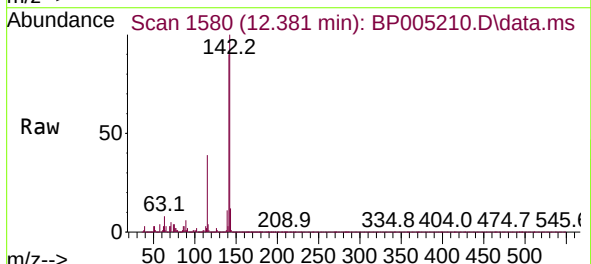
Instrument :
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ClientSampleId :
FS-SB-10-26-27DL

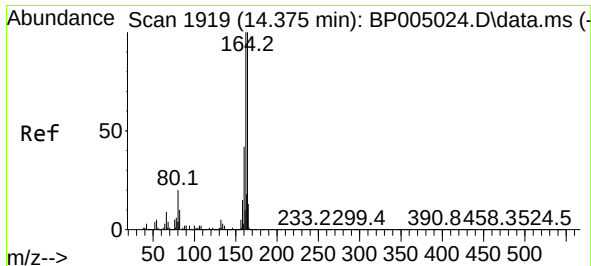
Tgt Ion:142 Resp: 584919
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.2
115 39.6 25.8 38.6#



#38
1-Methylnaphthalene
Concen: 73.57 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:142 Resp: 298871
Ion Ratio Lower Upper
142 100
141 90.2 74.4 111.6
116 4.2 2.9 4.3

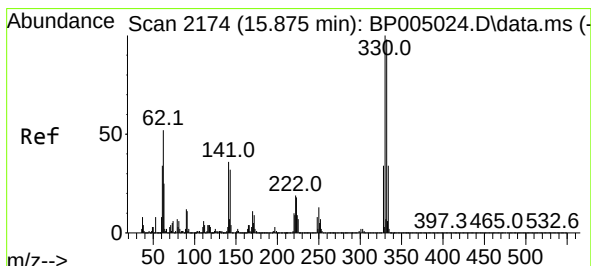
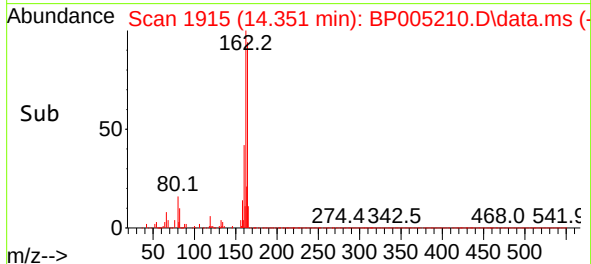
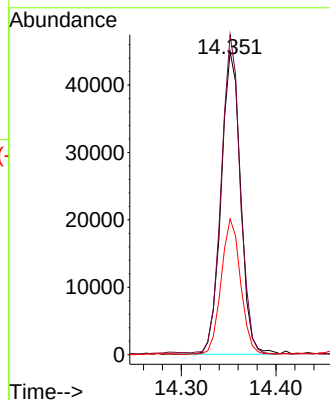
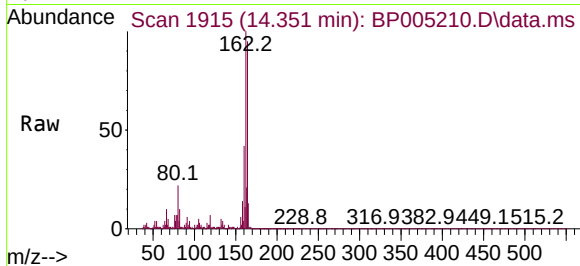




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

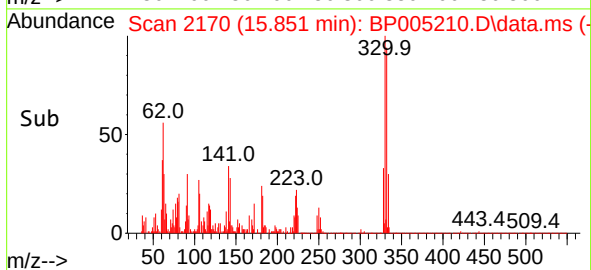
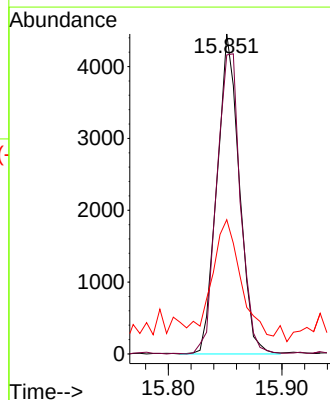
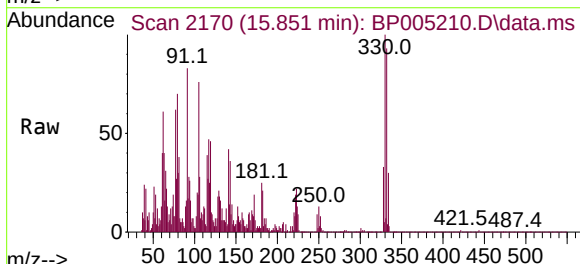
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

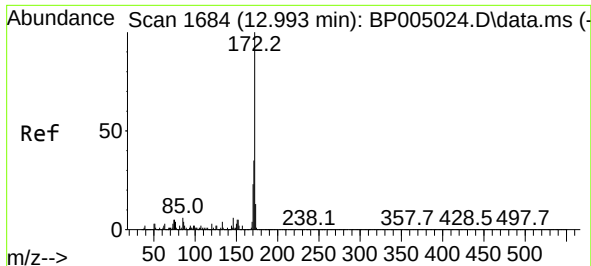
Tgt Ion:164 Resp: 64192
Ion Ratio Lower Upper
164 100
162 105.6 79.4 119.2
160 44.8 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 7.27 ng
RT: 15.851 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:330 Resp: 6078
Ion Ratio Lower Upper
330 100
332 100.3 77.1 115.7
141 45.3 23.4 35.2#

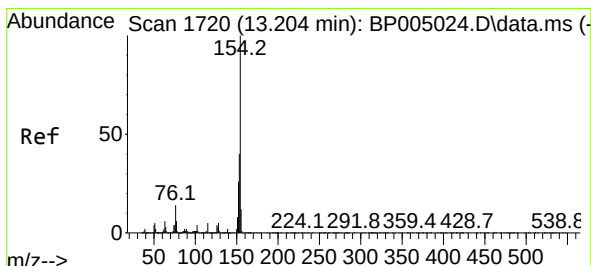
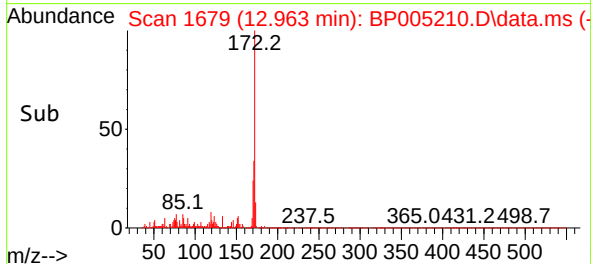
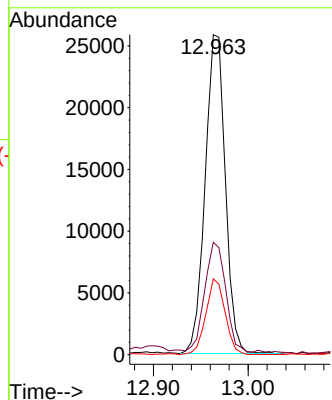
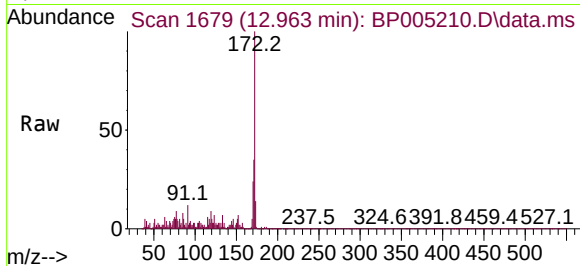




#45
2-Fluorobiphenyl
Concen: 8.08 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

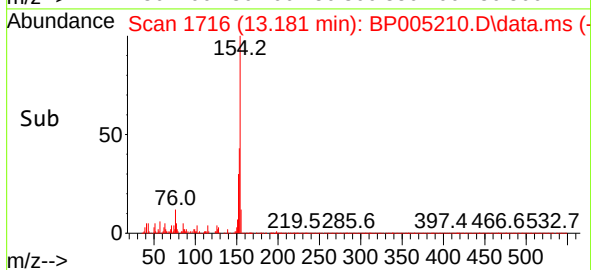
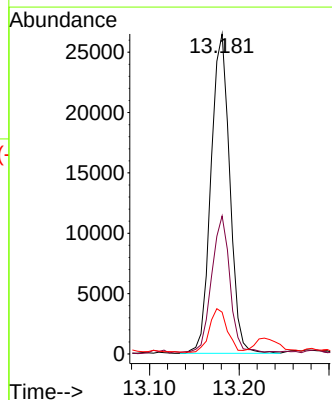
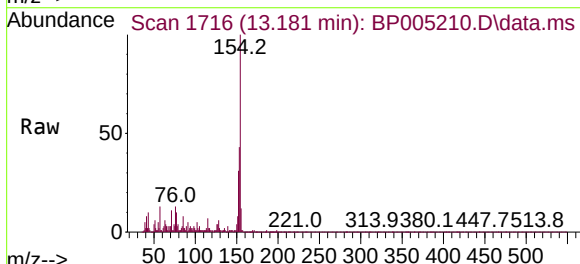
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

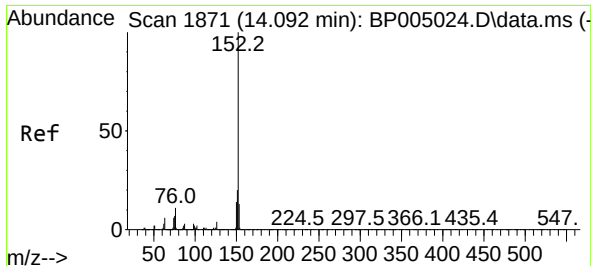
Tgt Ion:172	Resp:	38331
Ion Ratio	Lower	Upper
172	100	
171	35.2	28.5 42.7
170	23.7	19.2 28.8



#46
1,1'-Biphenyl
Concen: 7.86 ng
RT: 13.181 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:154	Resp:	38486
Ion Ratio	Lower	Upper
154	100	
153	43.1	20.4 60.4
76	13.0	0.0 29.3

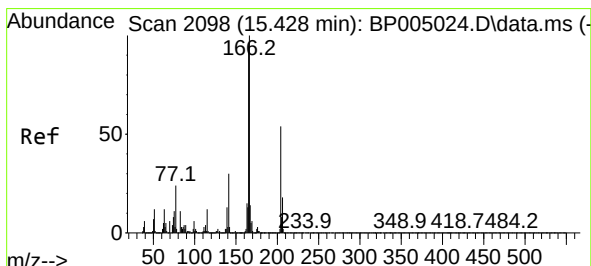
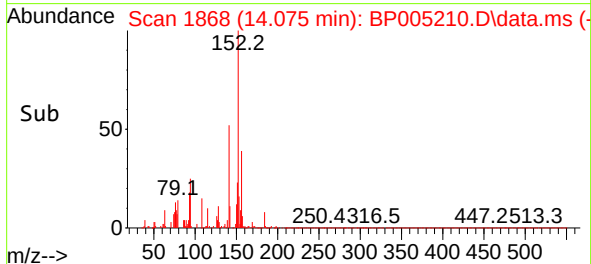
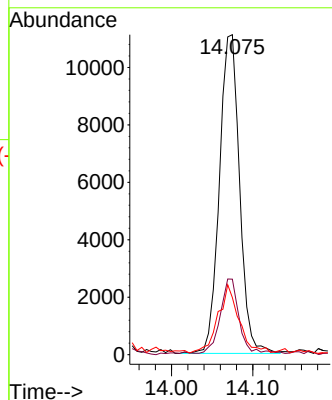
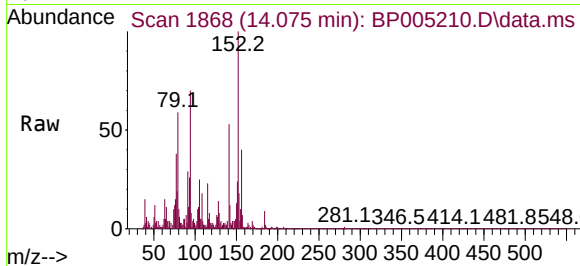




#49
Acenaphthylene
Concen: 3.10 ng
RT: 14.075 min Scan# 1868
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

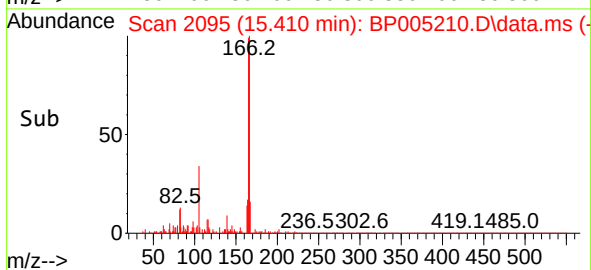
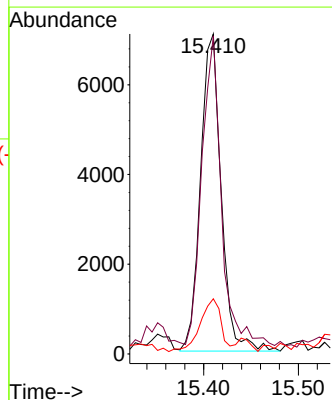
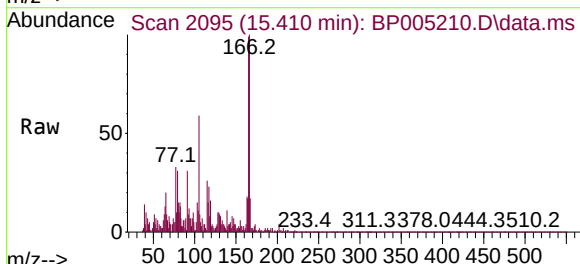
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

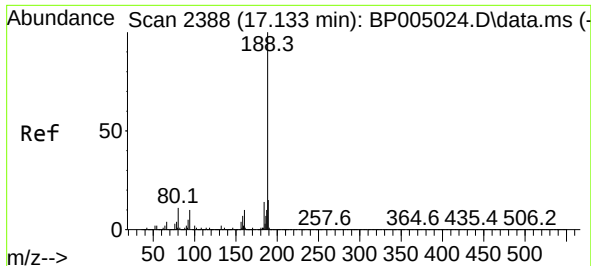
Tgt Ion:152 Resp: 19229
Ion Ratio Lower Upper
152 100
151 23.6 15.9 23.9
153 17.8 10.5 15.7#



#58
Fluorene
Concen: 2.13 ng
RT: 15.410 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:166 Resp: 10728
Ion Ratio Lower Upper
166 100
165 99.4 77.8 116.8
167 17.2 11.0 16.4#

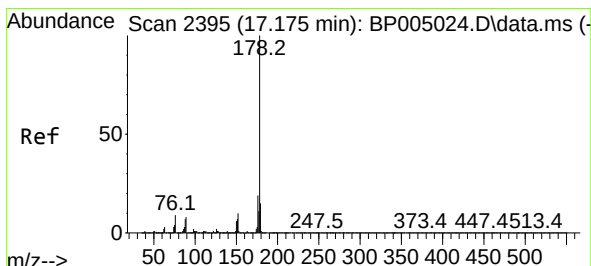
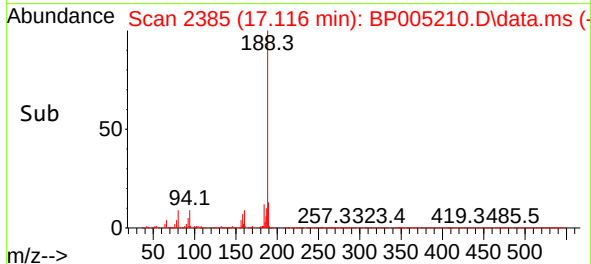
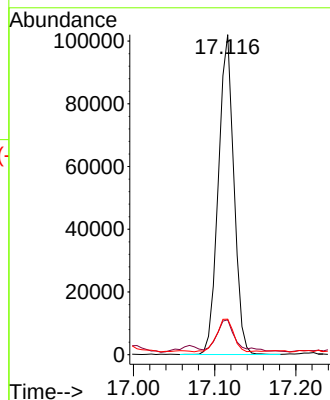
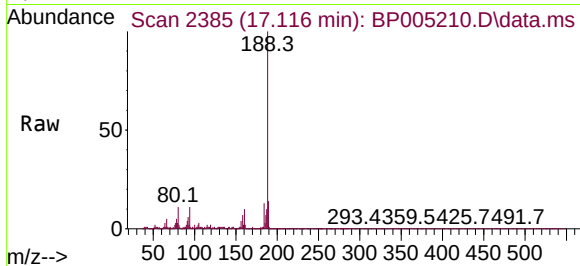




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.116 min Scan# 2385
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

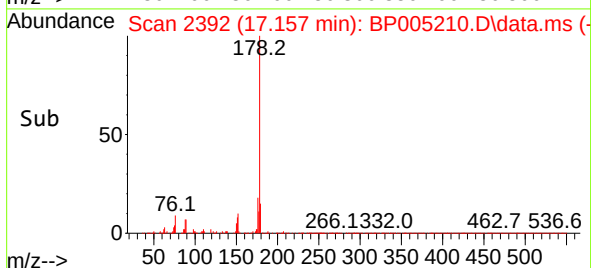
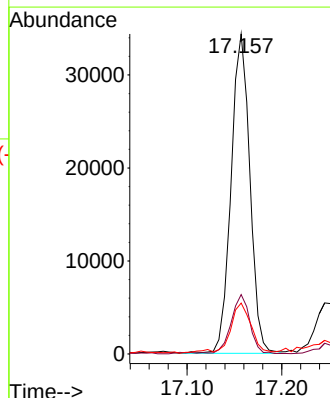
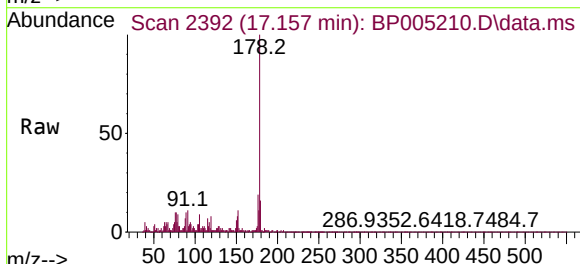
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

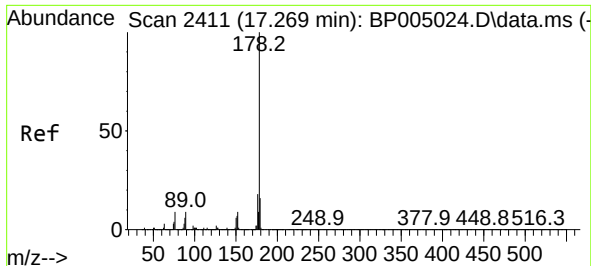
Tgt Ion:188 Resp: 136044
Ion Ratio Lower Upper
188 100
94 10.9 6.2 9.2#
80 11.1 6.2 9.2#



#71
Phenanthrene
Concen: 6.01 ng
RT: 17.157 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:178 Resp: 47413
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.9 12.5 18.7

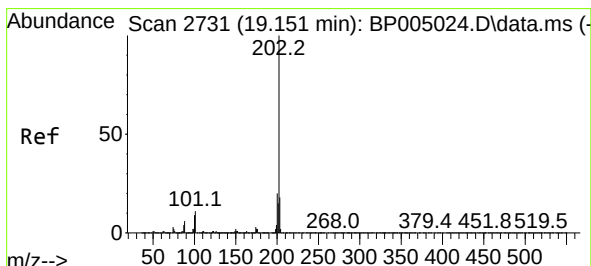
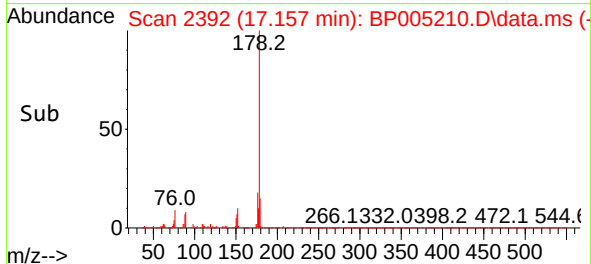
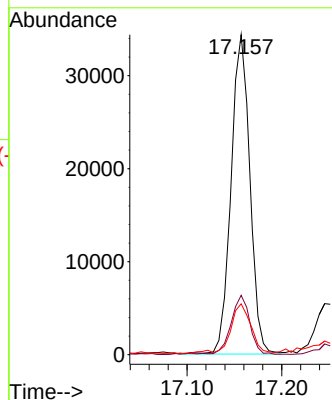
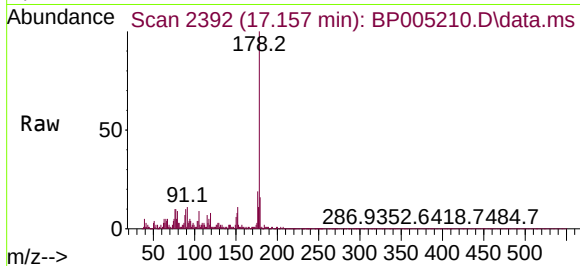




#72
 Anthracene
 Concen: 6.15 ng
 RT: 17.157 min Scan# 2392
 Delta R.T. -0.094 min
 Lab File: BP005210.D
 Acq: 06 Apr 2021 22:49

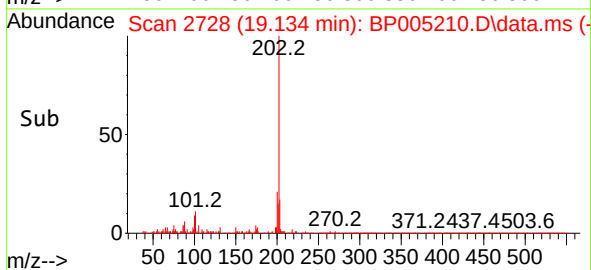
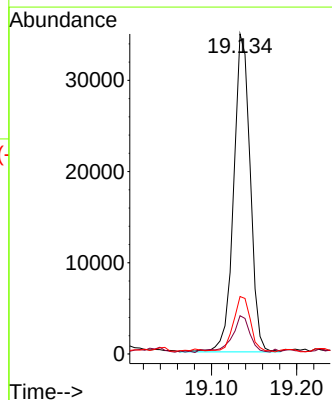
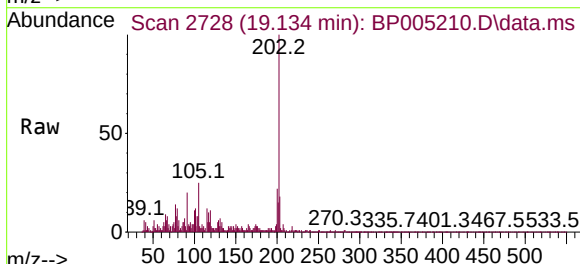
Instrument :
 BNA_P
 ClientSampleId :
 FS-SB-10-26-27DL

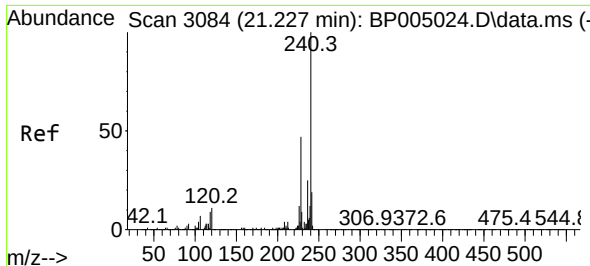
Tgt Ion:178	Resp:	47413
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.0 22.4
179	15.9	12.5 18.7



#75
 Fluoranthene
 Concen: 5.07 ng
 RT: 19.134 min Scan# 2728
 Delta R.T. 0.000 min
 Lab File: BP005210.D
 Acq: 06 Apr 2021 22:49

Tgt Ion:202	Resp:	47036
Ion Ratio	Lower	Upper
202	100	
101	11.9	0.0 29.4
203	18.0	0.0 37.8

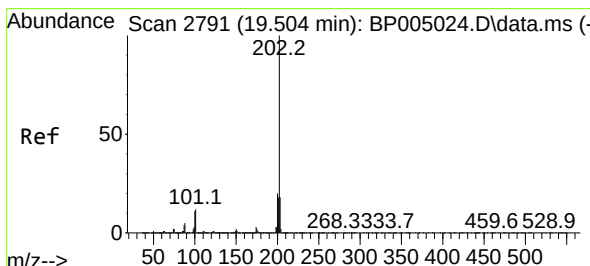
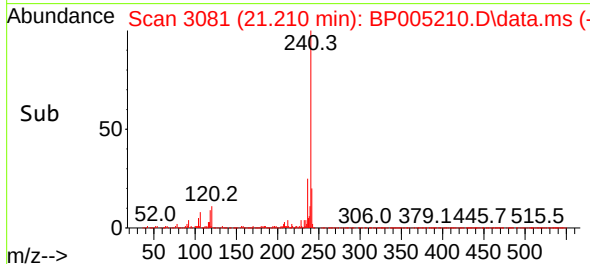
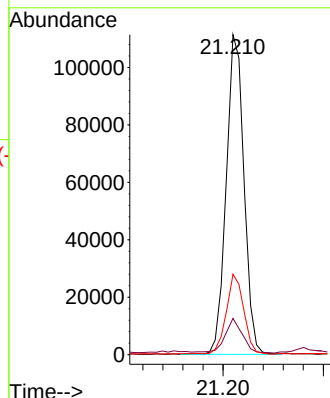
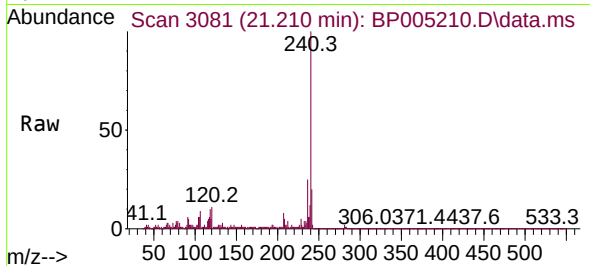




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

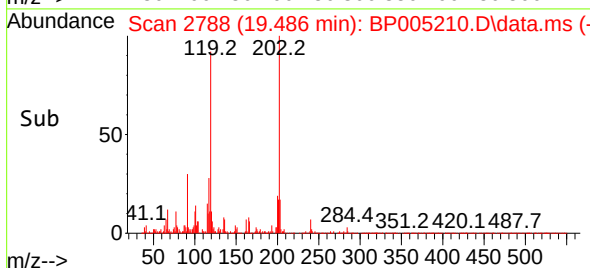
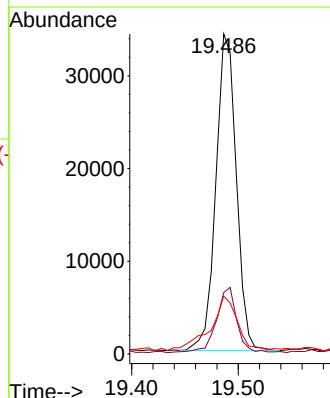
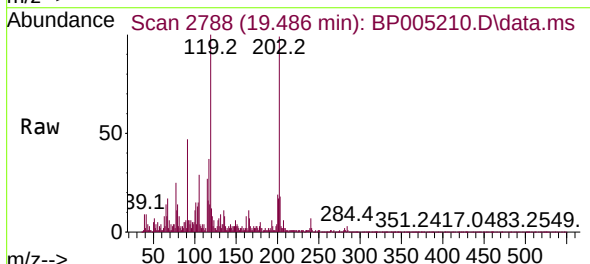
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

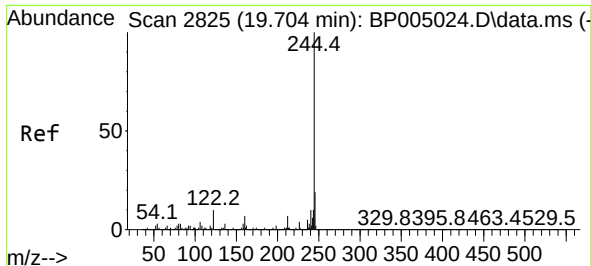
Tgt Ion:240 Resp: 136614
Ion Ratio Lower Upper
240 100
120 11.4 7.8 11.6
236 25.2 20.8 31.2



#78
Pyrene
Concen: 4.84 ng
RT: 19.486 min Scan# 2788
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:202 Resp: 45462
Ion Ratio Lower Upper
202 100
200 19.1 17.1 25.7
203 18.0 14.2 21.2

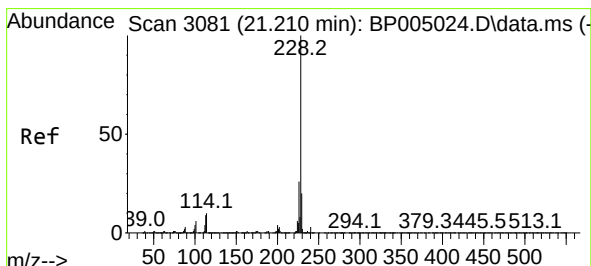
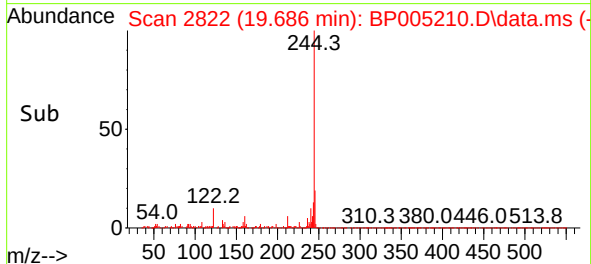
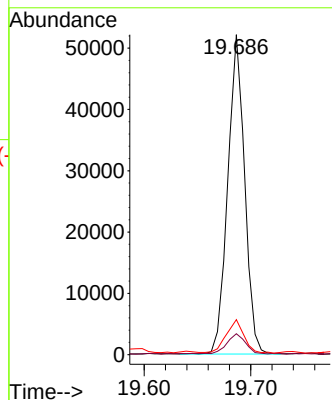
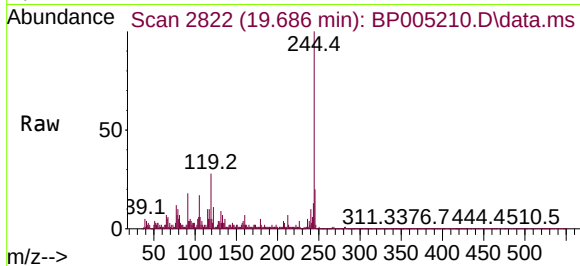




#79
 Terphenyl-d14
 Concen: 7.61 ng
 RT: 19.686 min Scan# 2822
 Delta R.T. 0.000 min
 Lab File: BP005210.D
 Acq: 06 Apr 2021 22:49

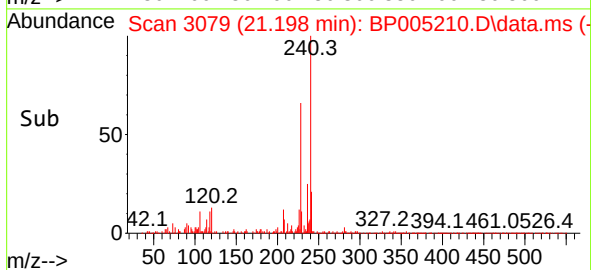
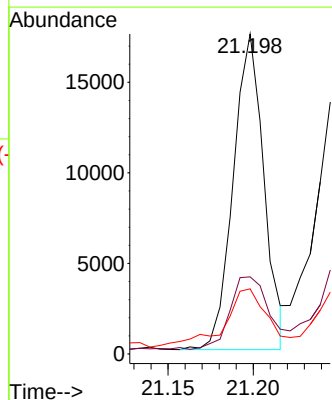
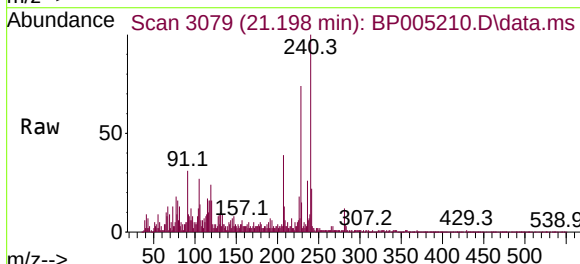
Instrument :
 BNA_P
 ClientSampleId :
 FS-SB-10-26-27DL

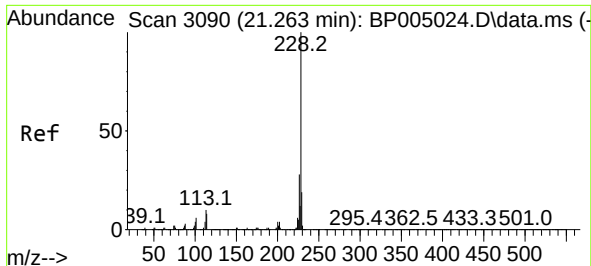
Tgt Ion:244 Resp: 57147
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 11.0 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 2.36 ng
 RT: 21.198 min Scan# 3079
 Delta R.T. 0.000 min
 Lab File: BP005210.D
 Acq: 06 Apr 2021 22:49

Tgt Ion:228 Resp: 21877
 Ion Ratio Lower Upper
 228 100
 226 24.1 22.1 33.1
 229 20.3 15.9 23.9

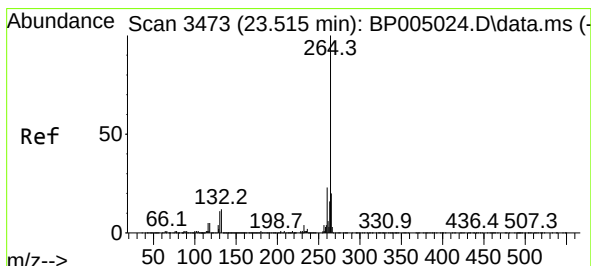
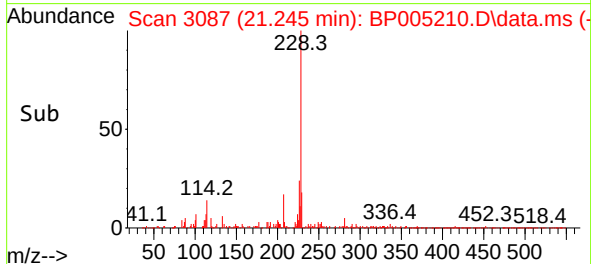
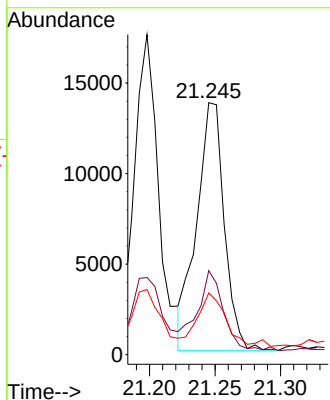
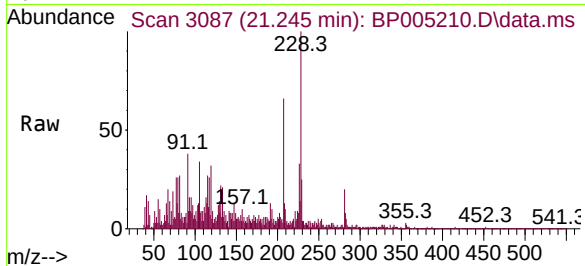




#83
Chrysene
Concen: 2.21 ng
RT: 21.245 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

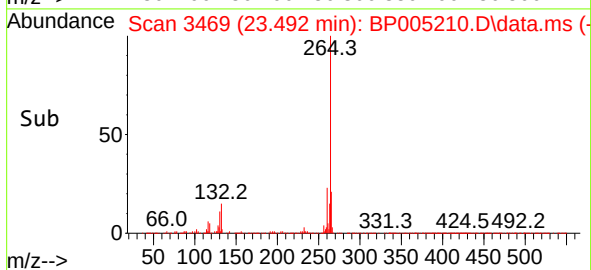
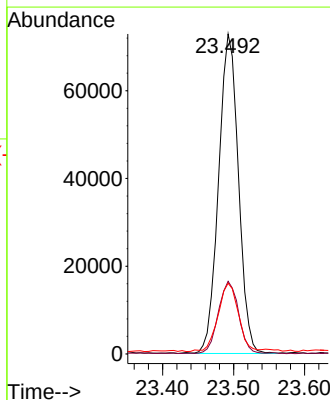
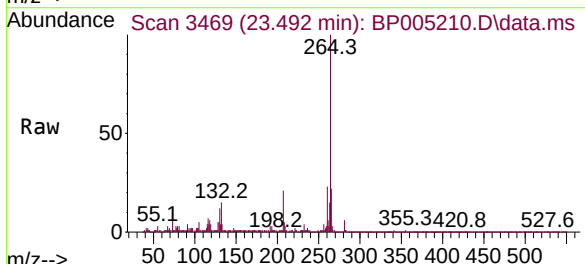
Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

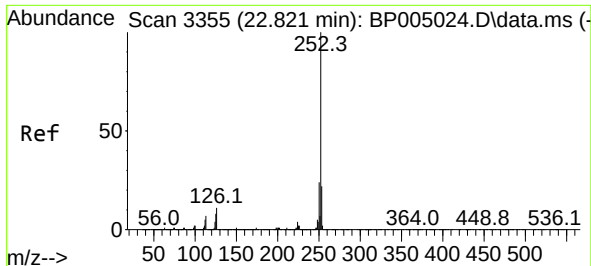
Tgt Ion:	228	Resp:	20149
Ion Ratio	Lower	Upper	
228	100		
226	33.4	24.4	36.6
229	24.5	15.8	23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.492 min Scan# 3469
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:	264	Resp:	140985
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.8	28.2
265	22.1	17.4	26.2

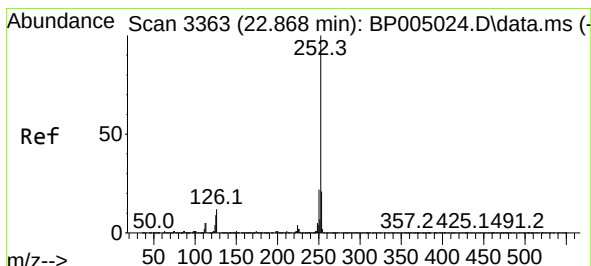
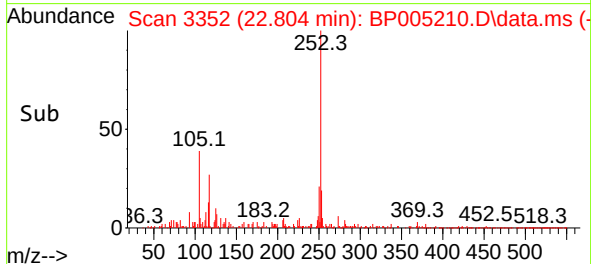
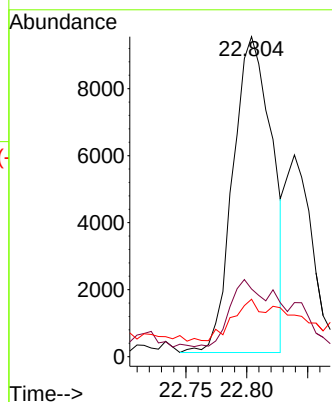
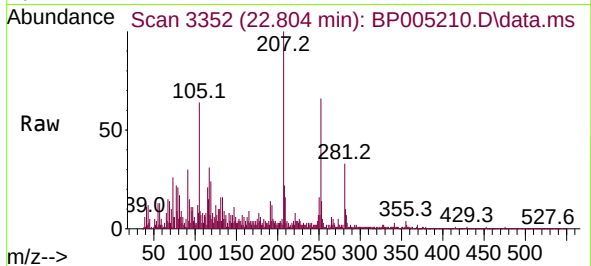




#88
Benzo(b)fluoranthene
Concen: 2.10 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.000 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Instrument :
BNA_P
ClientSampleId :
FS-SB-10-26-27DL

Tgt Ion:252 Resp: 21003
Ion Ratio Lower Upper
252 100
253 21.2 17.6 26.4
125 18.0 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 2.19 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.047 min
Lab File: BP005210.D
Acq: 06 Apr 2021 22:49

Tgt Ion:252 Resp: 21003
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 18.0 7.4 11.2#

