

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071321\
 Data File : BP006211.D
 Acq On : 13 Jul 2021 21:08
 Operator : CG/JU
 Sample : M3012-04 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PS-TP2

Quant Time: Jul 14 01:26:46 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 12 14:59:51 2021
 Response via : Initial Calibration

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

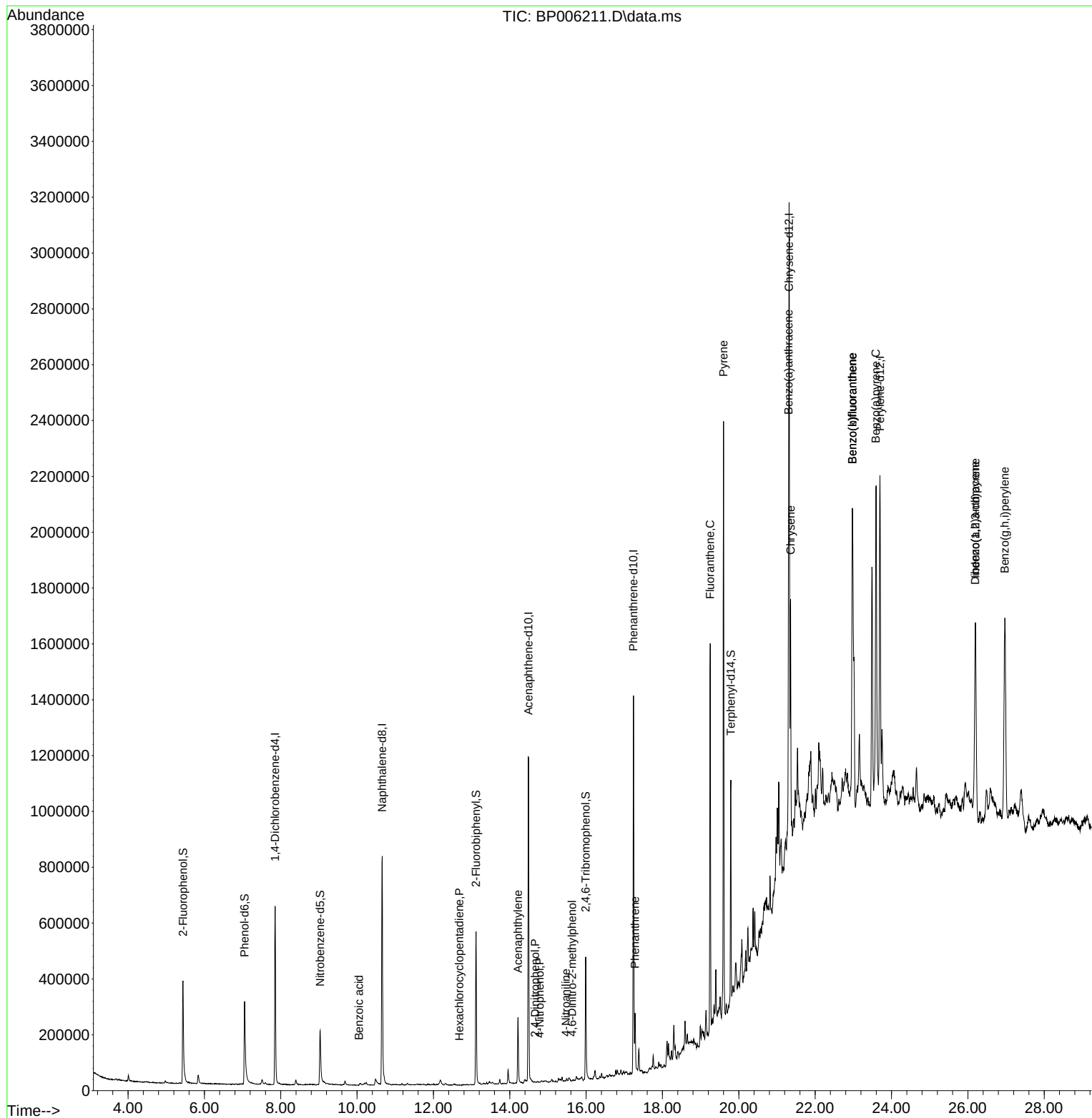
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	197931	20.000	ng	-0.01
21) Naphthalene-d8	10.658	136	788245	20.000	ng	0.00
39) Acenaphthene-d10	14.493	164	410046	20.000	ng	0.00
64) Phenanthrene-d10	17.240	188	764016	20.000	ng	#-0.01
76) Chrysene-d12	21.316	240	712280	20.000	ng	#-0.01
86) Perylene-d12	23.698	264	803990	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	234066	20.348	ng	0.00
7) Phenol-d6	7.052	99	279932	18.397	ng	0.00
23) Nitrobenzene-d5	9.034	82	158577	12.707	ng	0.00
42) 2,4,6-Tribromophenol	15.987	330	88305	18.088	ng	-0.01
45) 2-Fluorobiphenyl	13.116	172	296955	10.706	ng	0.00
79) Terphenyl-d14	19.792	244	333936	9.244	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.052	122	18	6.905	ng	# 1
41) Hexachlorocyclopentadiene	12.681	237	25	8.715	ng	90
49) Acenaphthylene	14.216	152	184432	4.836	ng	99
54) 2,4-Dinitrophenol	14.663	184	80	8.900	ng	# 1
56) 4-Nitrophenol	14.781	139	158	7.152	ng	# 70
62) 4-Nitroaniline	15.469	138	115	2.974	ng	88
65) 4,6-Dinitro-2-methylph...	15.634	198	35	4.425	ng	# 1
71) Phenanthrene	17.281	178	128434	2.977	ng	99
75) Fluoranthene	19.251	202	770941	16.302	ng	96
78) Pyrene	19.598	202	1220801	25.357	ng	99
81) Benzo(a)anthracene	21.304	228	511582	11.356	ng	94
83) Chrysene	21.357	228	449375	10.094	ng	98
87) Indeno(1,2,3-cd)pyrene	26.198	276	692645	11.685	ng	# 93
88) Benzo(b)fluoranthene	22.975	252	1180653	24.209	ng	# 93
89) Benzo(k)fluoranthene	22.975	252	1180653	24.768	ng	# 93
90) Benzo(a)pyrene	23.592	252	707744	15.465	ng	# 94
91) Dibenzo(a,h)anthracene	26.192	278	125195	2.453	ng	# 87
92) Benzo(g,h,i)perylene	26.968	276	916806	18.252	ng	# 90

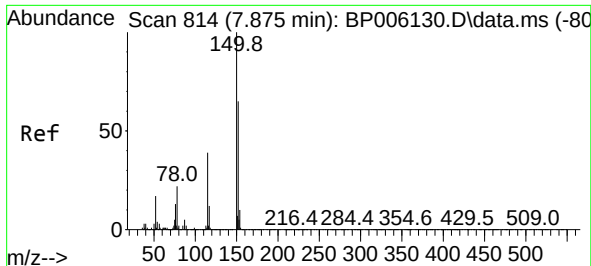
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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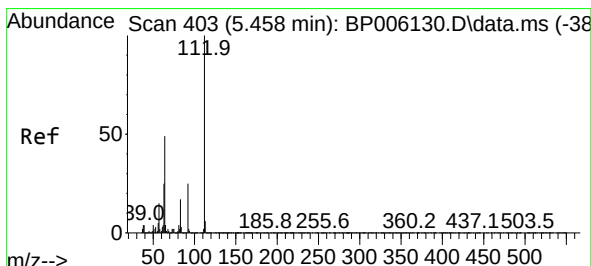
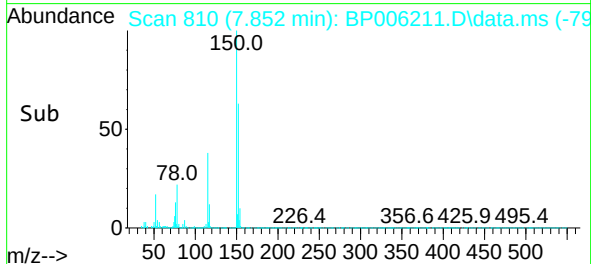
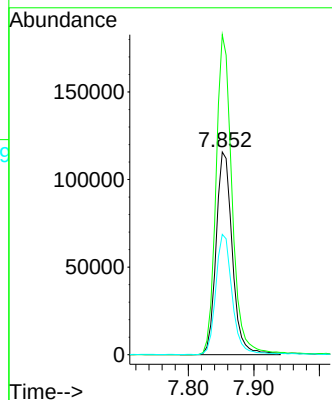
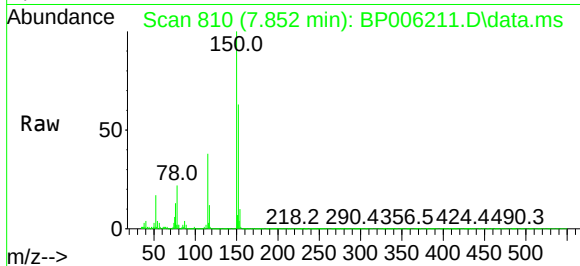




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 810
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

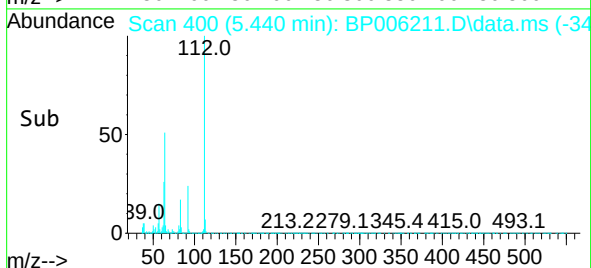
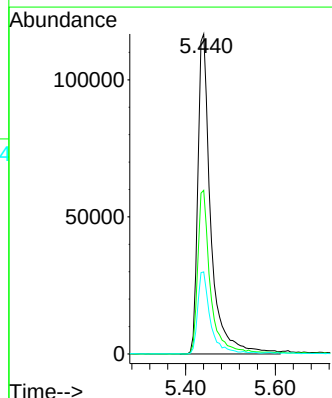
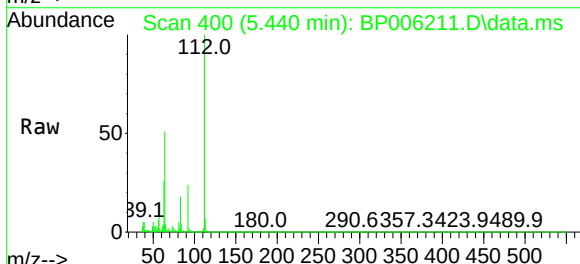
Instrument :
BNA_P
ClientSampleId :
PS-TP2

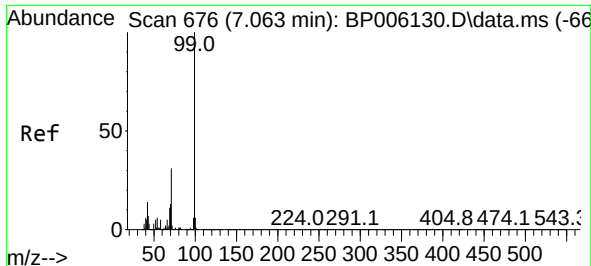
Tgt Ion:152 Resp: 197931
Ion Ratio Lower Upper
152 100
150 157.9 125.6 188.4
115 59.3 48.5 72.7



#5
2-Fluorophenol
Concen: 20.348 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.001 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:112 Resp: 234066
Ion Ratio Lower Upper
112 100
64 51.2 41.4 62.2
63 25.6 23.8 35.8

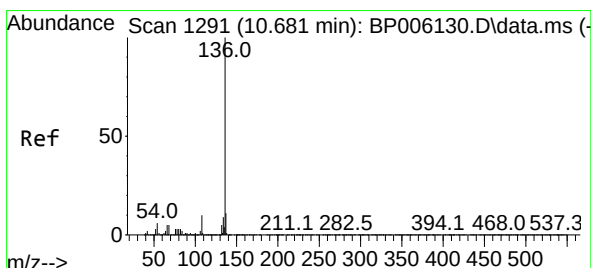
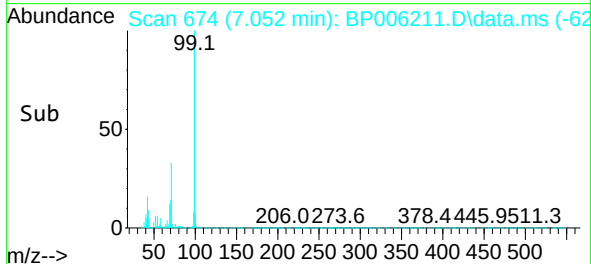
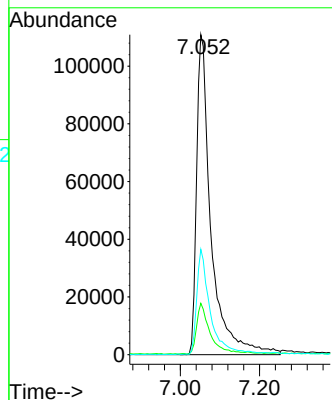
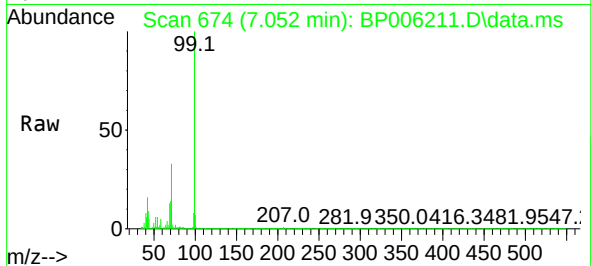




#7
Phenol-d6
Concen: 18.397 ng
RT: 7.052 min Scan# 674
Delta R.T. 0.006 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

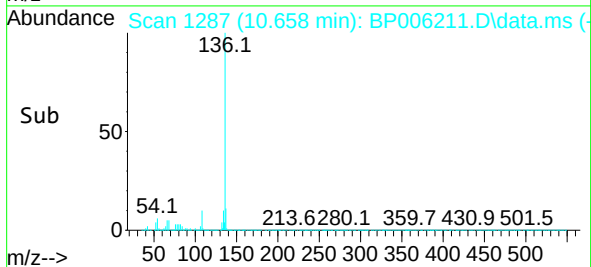
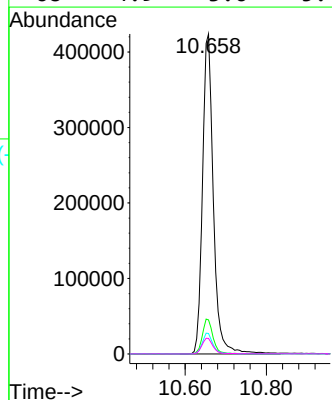
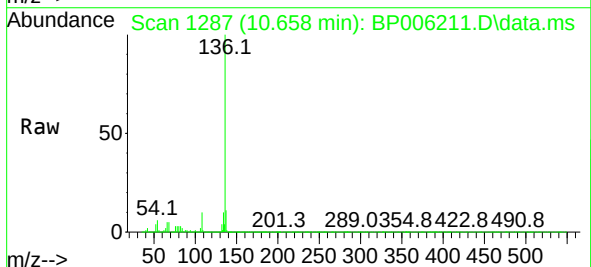
Instrument :
BNA_P
ClientSampleId :
PS-TP2

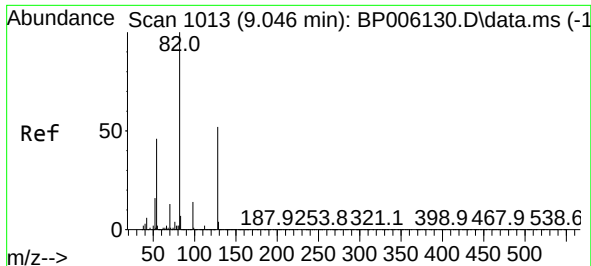
Tgt Ion: 99 Resp: 279932
Ion Ratio Lower Upper
99 100
42 16.1 13.4 20.0
71 32.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.658 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion: 136 Resp: 788245
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.4 4.6 6.8
68 4.9 3.6 5.4

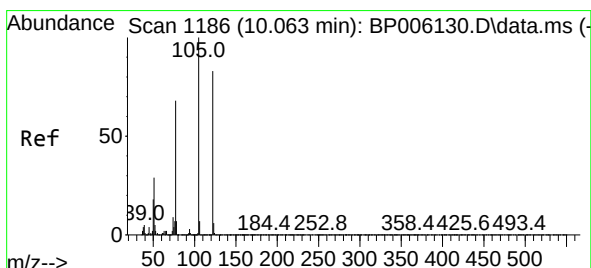
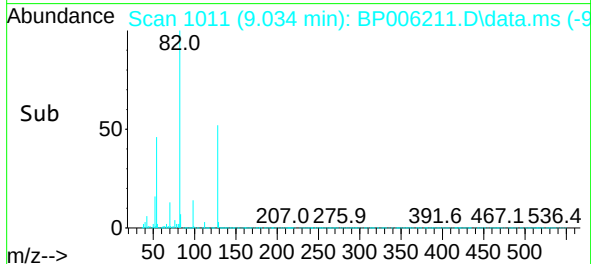
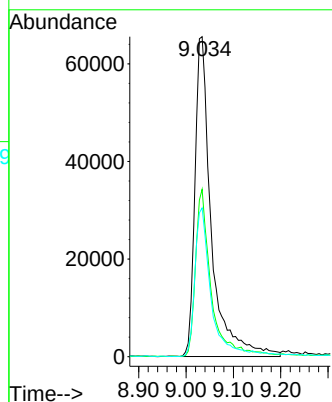
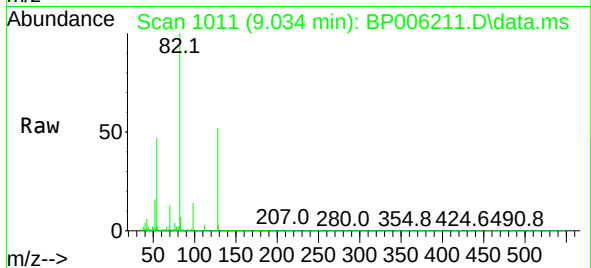




#23
Nitrobenzene-d5
Concen: 12.707 ng
RT: 9.034 min Scan# 1011
Delta R.T. 0.001 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

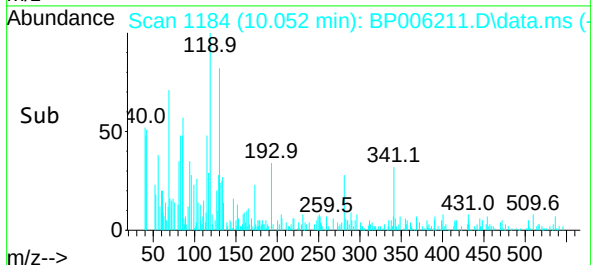
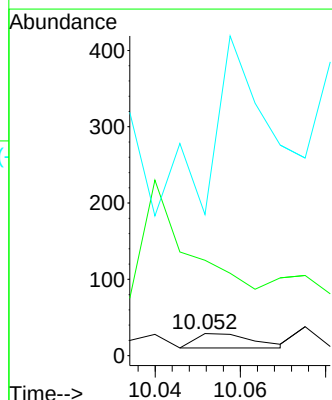
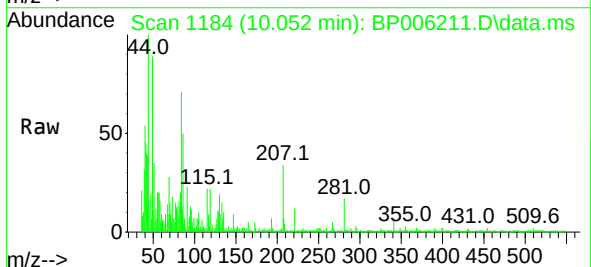
Instrument :
BNA_P
ClientSampleId :
PS-TP2

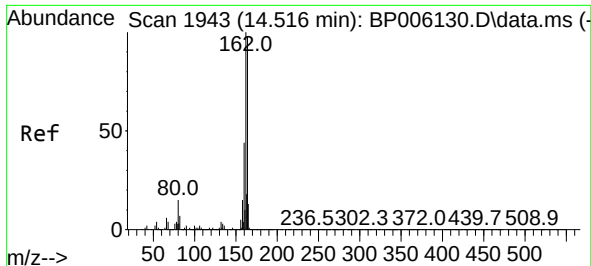
Tgt Ion: 82 Resp: 158577
Ion Ratio Lower Upper
82 100
128 52.3 35.7 53.5
54 46.5 35.0 52.4



#32
Benzoic acid
Concen: 6.905 ng
RT: 10.052 min Scan# 1184
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:122 Resp: 18
Ion Ratio Lower Upper
122 100
105 431.0 103.2 143.2#
77 637.9 76.2 116.2#

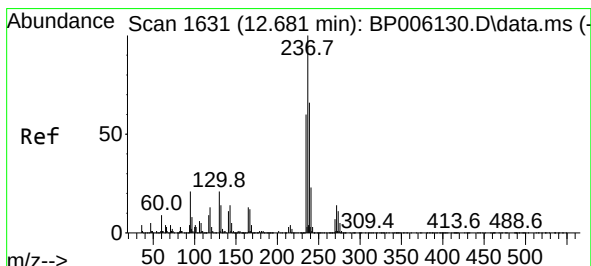
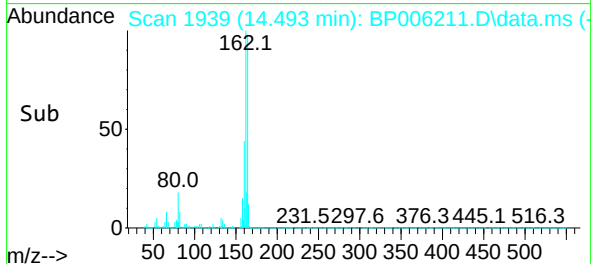
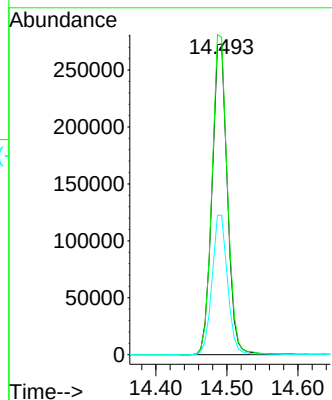
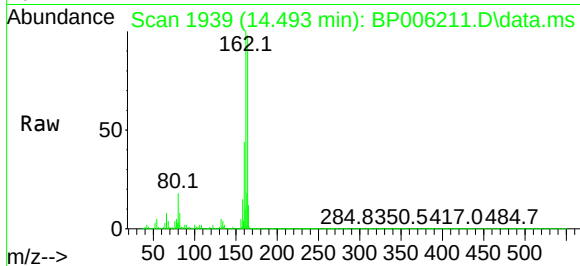




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

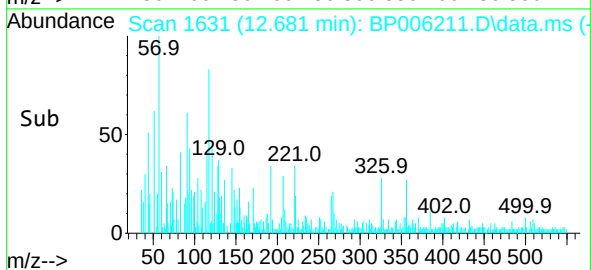
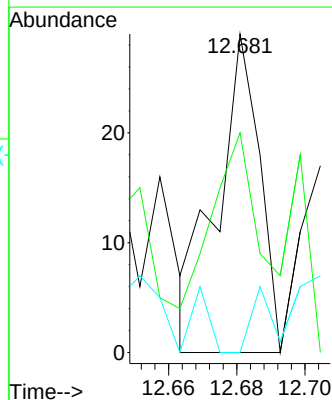
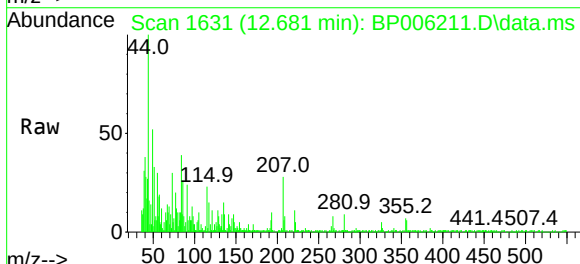
Instrument :
BNA_P
ClientSampleId :
PS-TP2

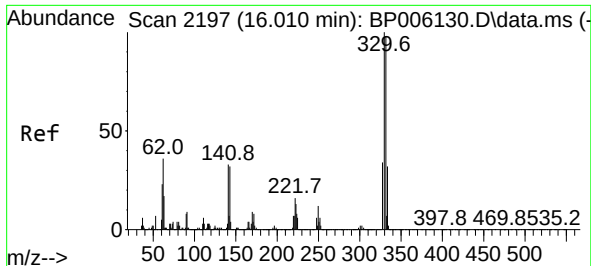
Tgt Ion:164 Resp: 410046
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 44.9 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.715 ng
RT: 12.681 min Scan# 1631
Delta R.T. 0.012 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:237 Resp: 25
Ion Ratio Lower Upper
237 100
235 69.0 44.5 84.5
272 0.0 0.0 32.5

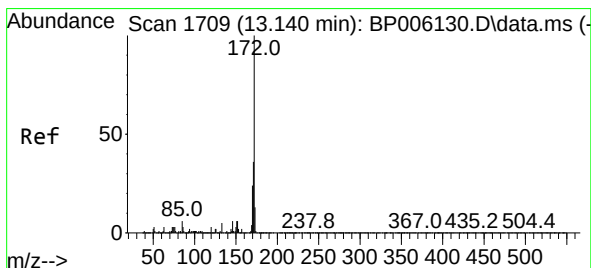
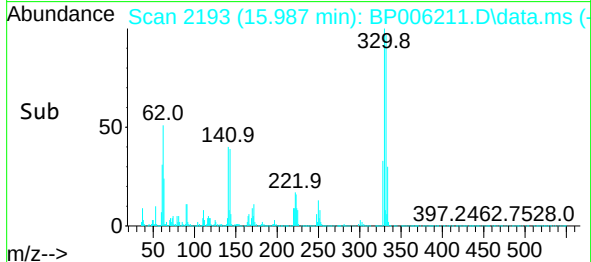
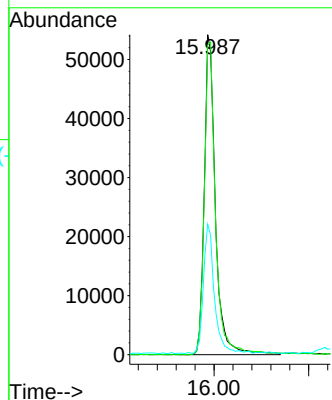
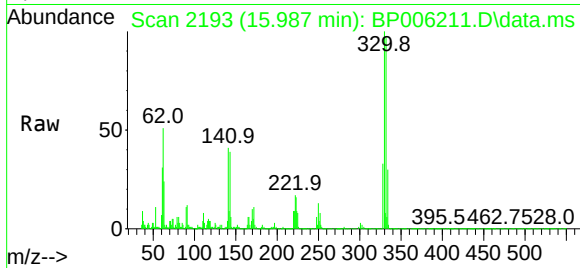




#42
2,4,6-Tribromophenol
Concen: 18.088 ng
RT: 15.987 min Scan# 2193
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

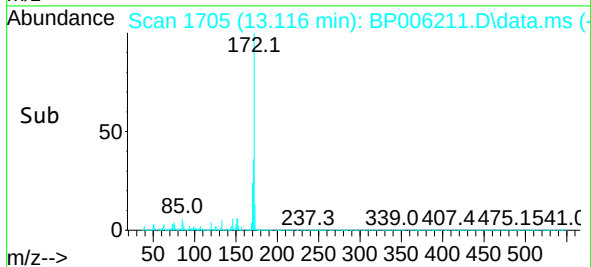
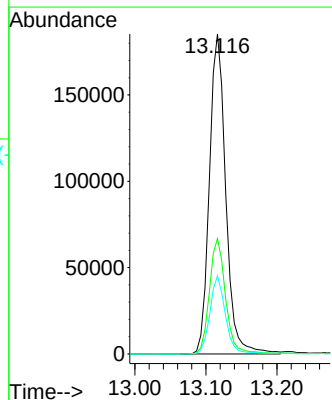
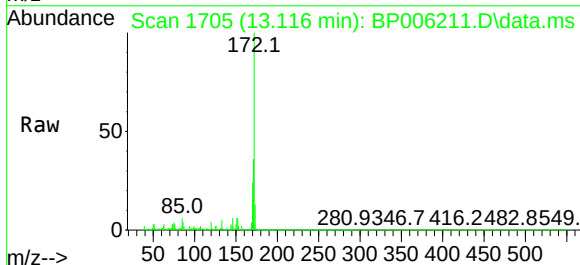
Instrument :
BNA_P
ClientSampleId :
PS-TP2

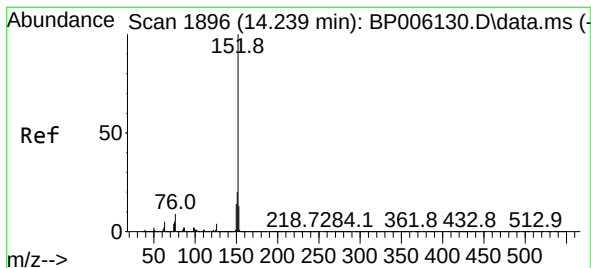
Tgt Ion: 330 Resp: 88305
Ion Ratio Lower Upper
330 100
332 98.4 77.8 116.8
141 40.2 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 10.706 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.005 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion: 172 Resp: 296955
Ion Ratio Lower Upper
172 100
171 36.1 27.9 41.9
170 24.4 18.6 27.8





#49

Acenaphthylene

Concen: 4.836 ng

RT: 14.216 min Scan# 1892

Delta R.T. -0.005 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

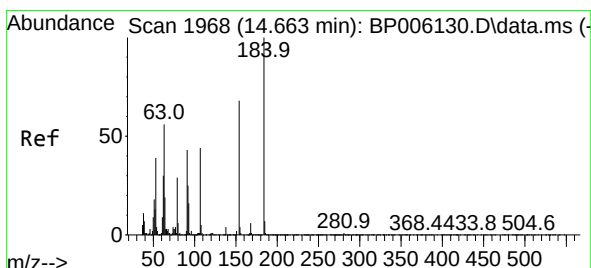
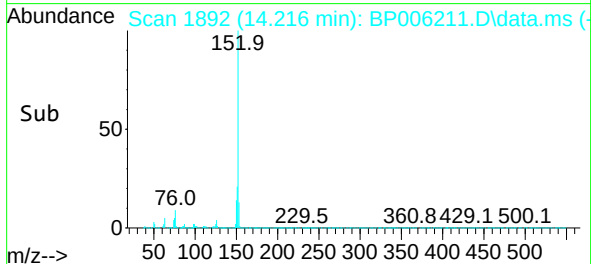
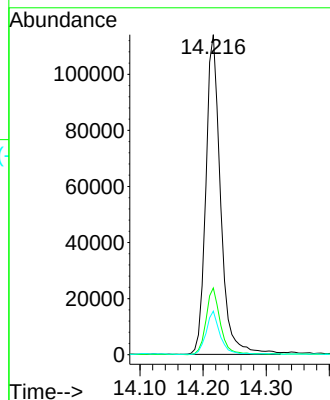
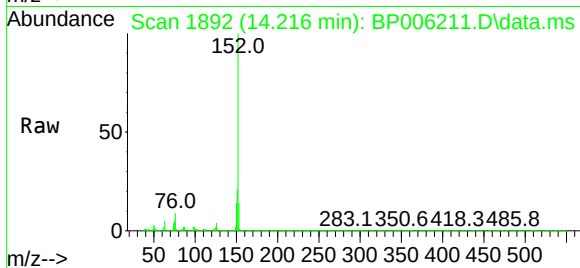
Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:	152	Resp:	184432
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.2	24.2
153	13.6	10.6	16.0



#54

2,4-Dinitrophenol

Concen: 8.900 ng

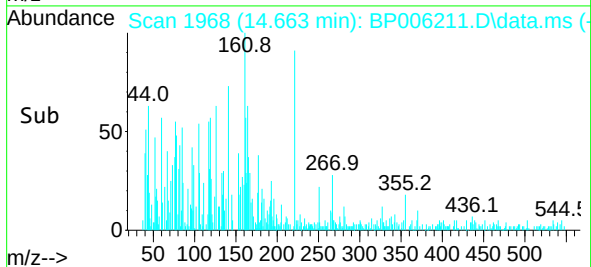
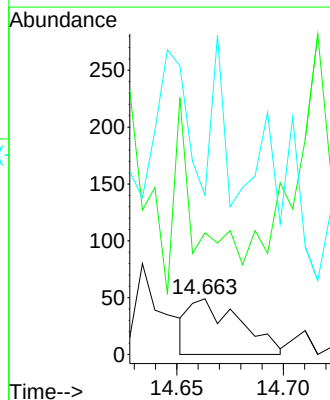
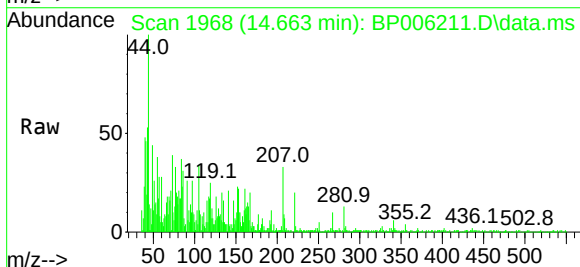
RT: 14.663 min Scan# 1968

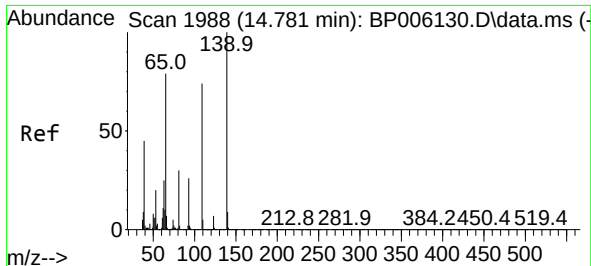
Delta R.T. 0.006 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

Tgt Ion:	184	Resp:	80
Ion Ratio	Lower	Upper	
184	100		
63	218.4	47.0	70.6#
154	285.7	52.3	78.5#

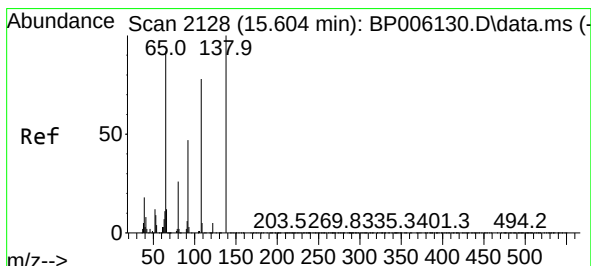
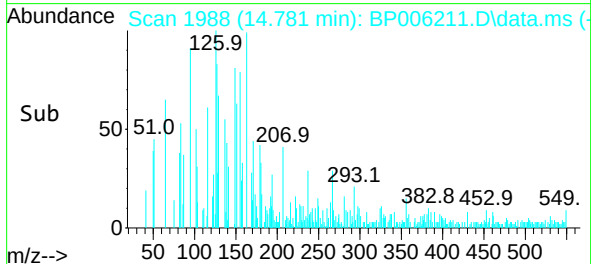
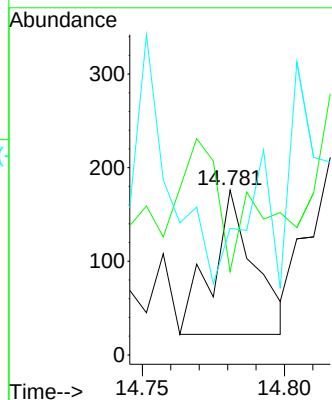
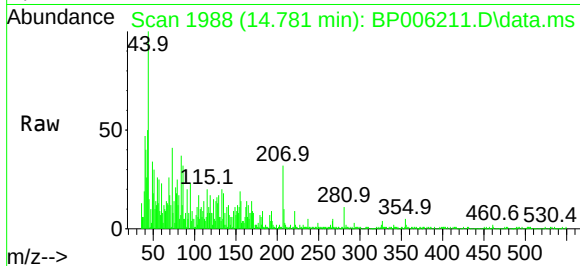




#56
4-Nitrophenol
Concen: 7.152 ng
RT: 14.781 min Scan# 1988
Delta R.T. 0.012 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

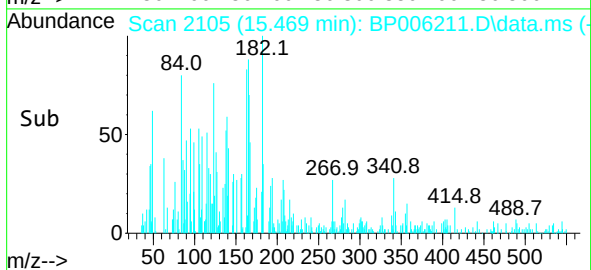
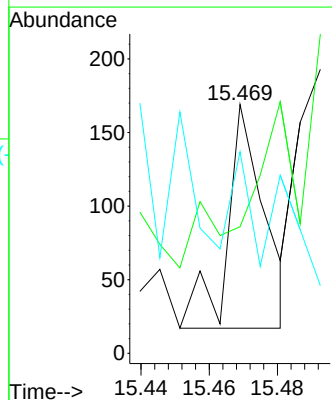
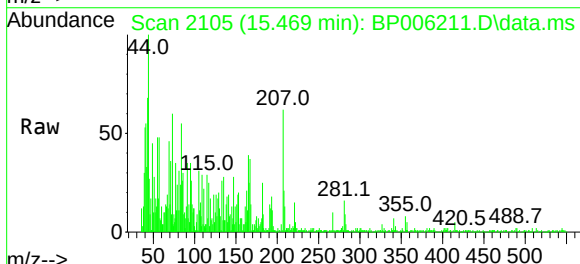
Instrument :
BNA_P
ClientSampleId :
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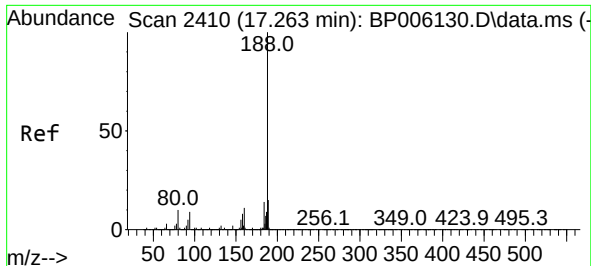
Tgt Ion:139 Resp: 158
Ion Ratio Lower Upper
139 100
109 50.6 72.3 112.3#
65 76.7 72.5 112.5



#62
4-Nitroaniline
Concen: 2.974 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.123 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:138 Resp: 115
Ion Ratio Lower Upper
138 100
92 50.9 31.2 71.2
108 81.1 78.6 118.6

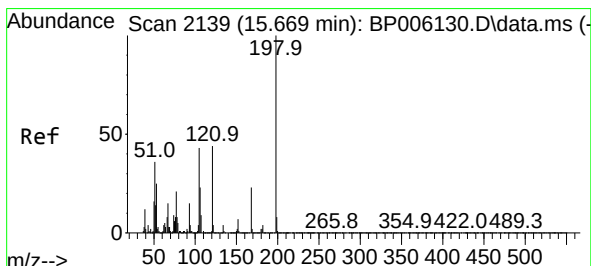
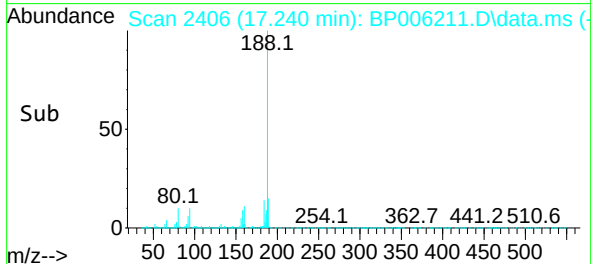
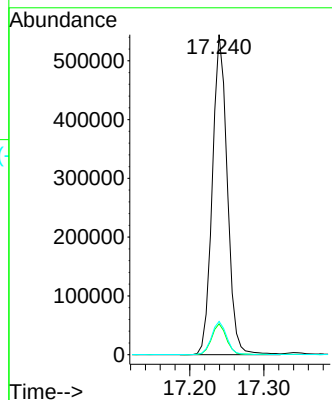
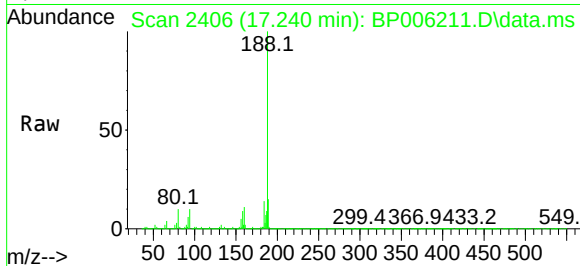




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.240 min Scan# 2406
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

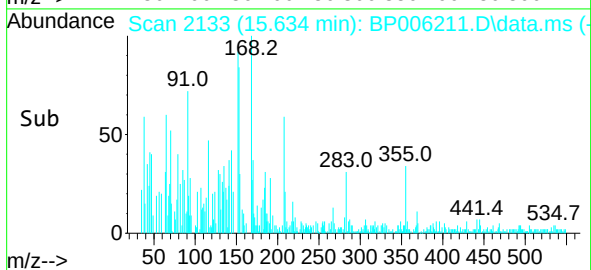
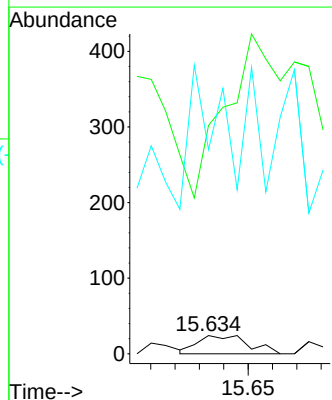
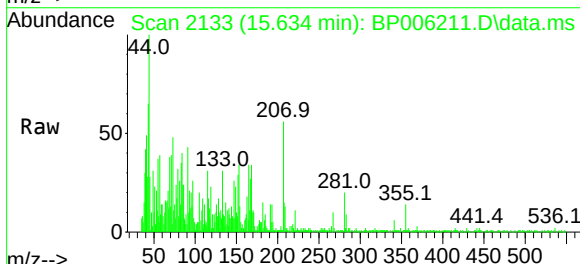
Instrument :
BNA_P
ClientSampleId :
PS-TP2

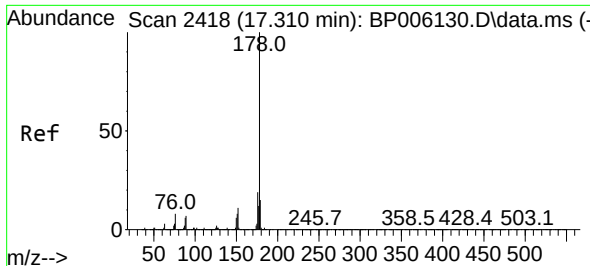
Tgt Ion:188 Resp: 764016
Ion Ratio Lower Upper
188 100
94 9.6 5.6 8.4#
80 10.4 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.425 ng
RT: 15.634 min Scan# 2133
Delta R.T. -0.023 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:198 Resp: 35
Ion Ratio Lower Upper
198 100
51 1258.3 14.0 54.0#
105 1150.0 19.5 59.5#

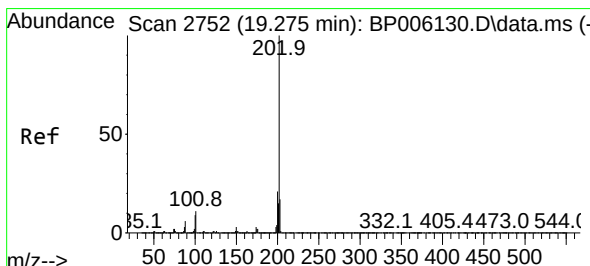
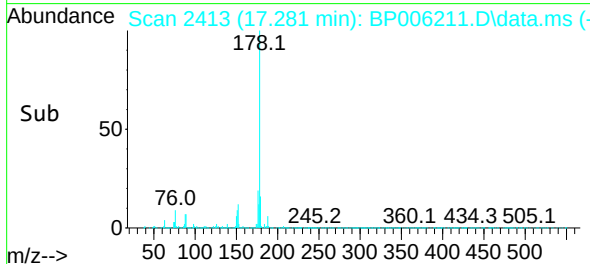
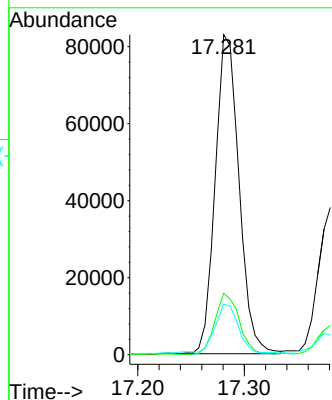
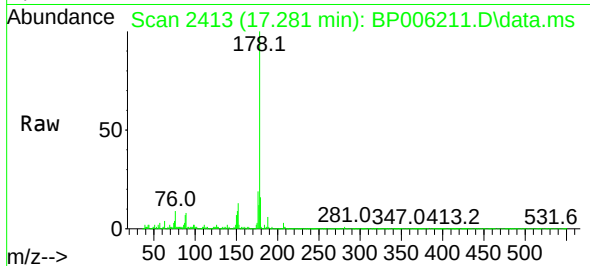




#71
Phenanthrene
Concen: 2.977 ng
RT: 17.281 min Scan# 2413
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

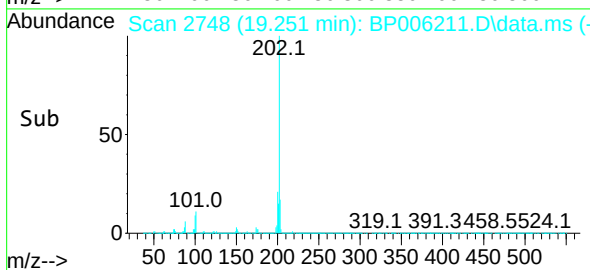
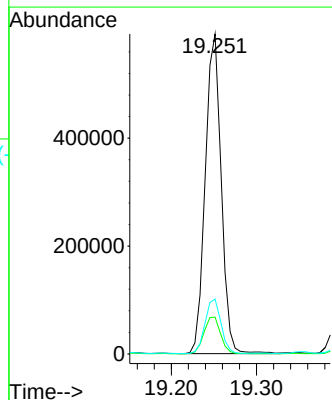
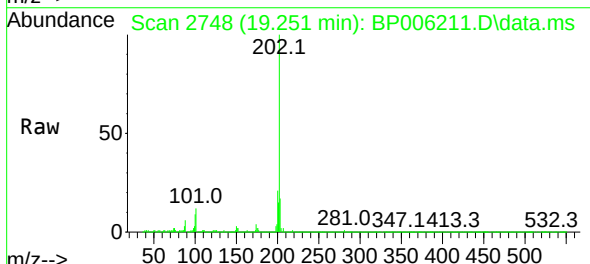
Instrument :
BNA_P
ClientSampleId :
PS-TP2

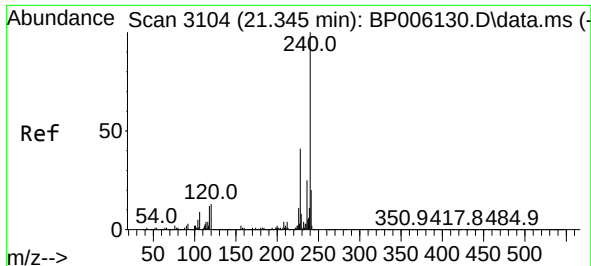
Tgt Ion:178 Resp: 128434
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.8 12.4 18.6



#75
Fluoranthene
Concen: 16.302 ng
RT: 19.251 min Scan# 2748
Delta R.T. -0.005 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:202 Resp: 770941
Ion Ratio Lower Upper
202 100
101 11.5 0.0 27.6
203 17.2 0.0 37.8

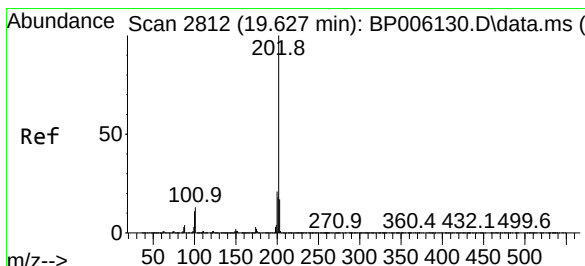
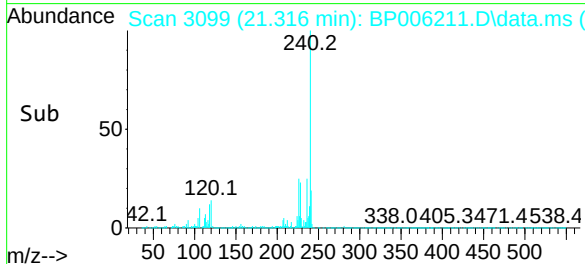
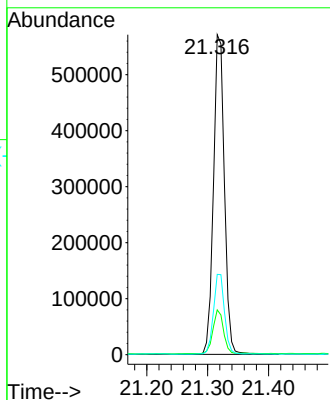
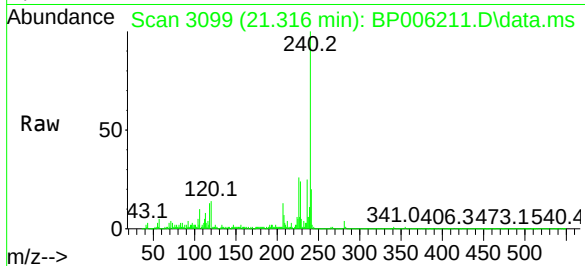




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3099
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

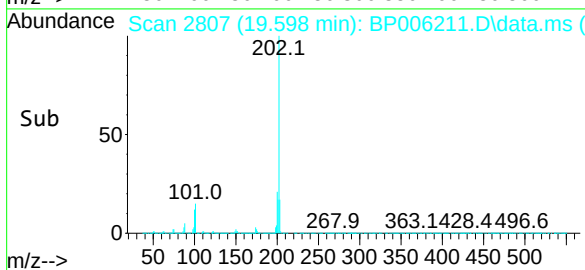
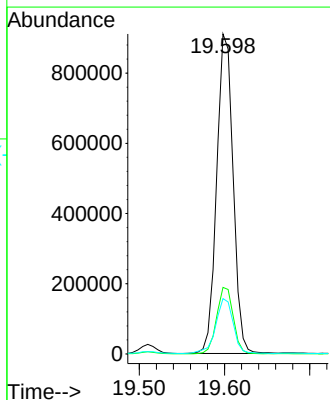
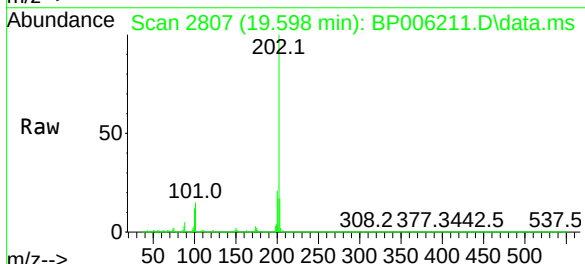
Instrument :
BNA_P
ClientSampleId :
PS-TP2

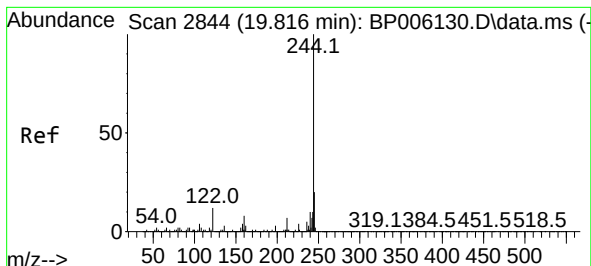
Tgt Ion:240 Resp: 712280
Ion Ratio Lower Upper
240 100
120 14.0 6.5 9.7#
236 25.1 20.6 31.0



#78
Pyrene
Concen: 25.357 ng
RT: 19.598 min Scan# 2807
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:202 Resp: 1220801
Ion Ratio Lower Upper
202 100
200 20.8 16.3 24.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 9.244 ng

RT: 19.792 min Scan# 2840

Delta R.T. -0.011 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

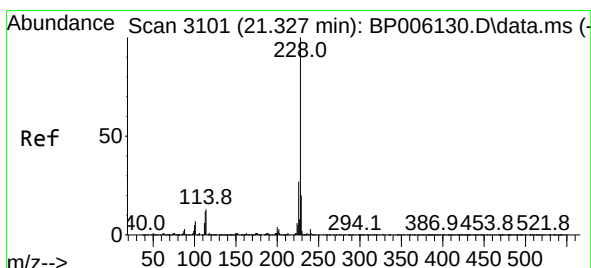
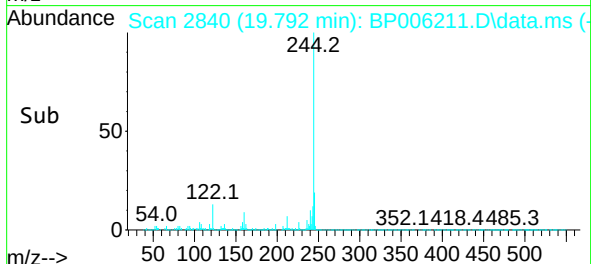
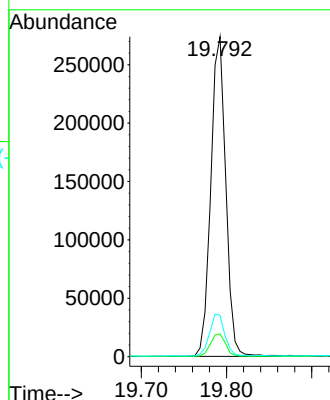
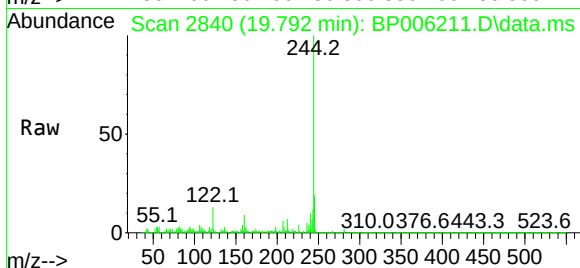
Instrument :

BNA_P

ClientSampleId :

PS-TP2

Tgt Ion:244 Resp: 333936
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 12.9 7.1 10.7#



#81

Benzo(a)anthracene

Concen: 11.356 ng

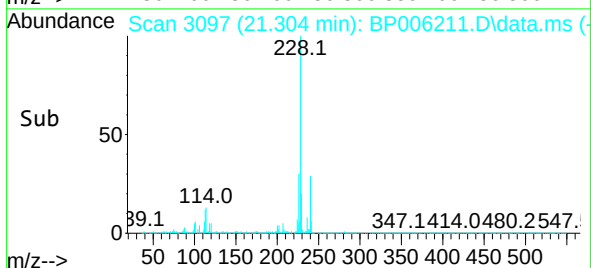
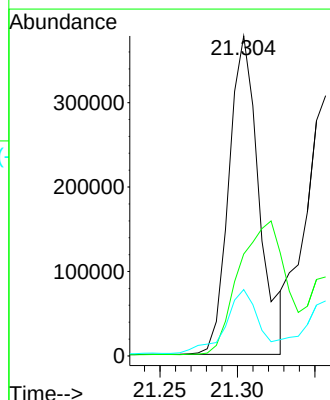
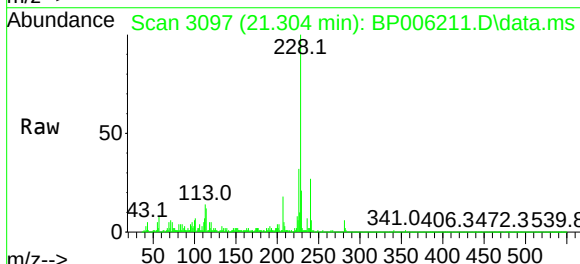
RT: 21.304 min Scan# 3097

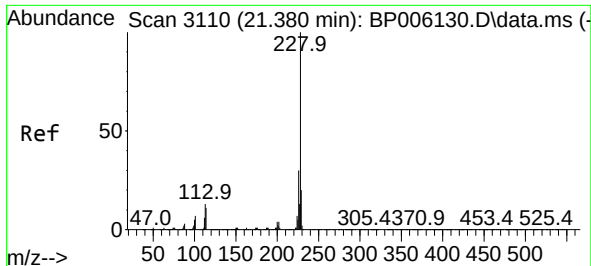
Delta R.T. -0.011 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

Tgt Ion:228 Resp: 511582
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.6 32.4
 229 20.7 15.8 23.6

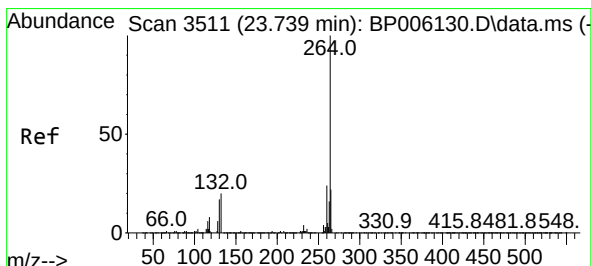
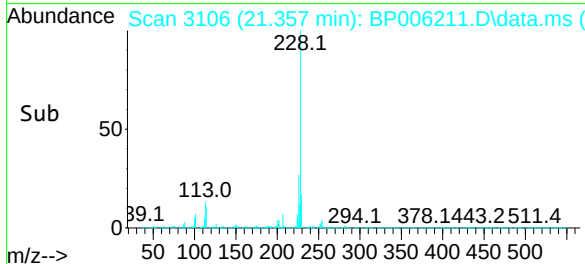
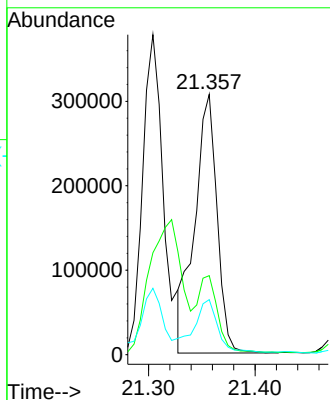
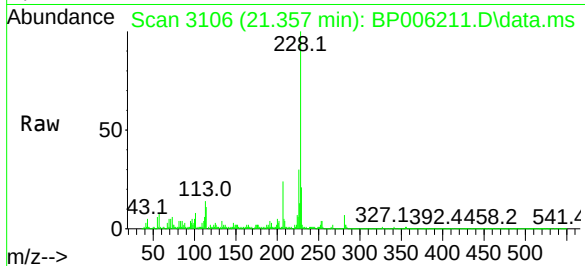




#83
Chrysene
Concen: 10.094 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.011 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

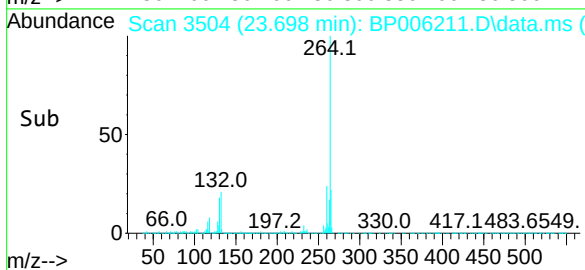
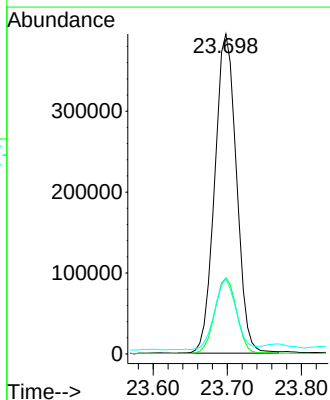
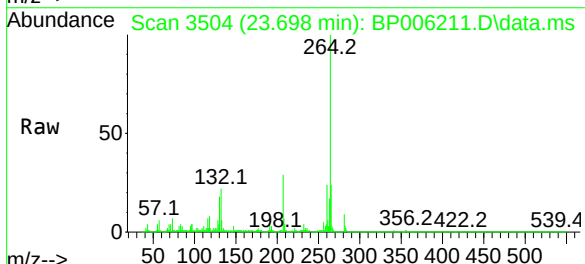
Instrument :
BNA_P
ClientSampleId :
PS-TP2

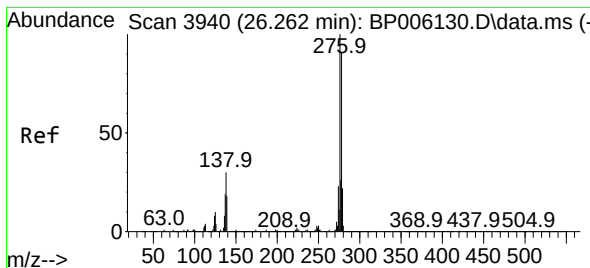
Tgt Ion:228 Resp: 449375
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.6
229 21.2 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.017 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:264 Resp: 803990
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 23.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.685 ng

RT: 26.198 min Scan# 3929

Delta R.T. -0.035 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

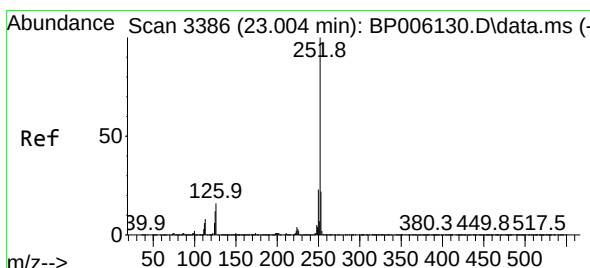
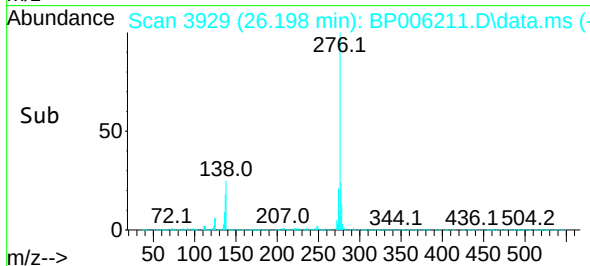
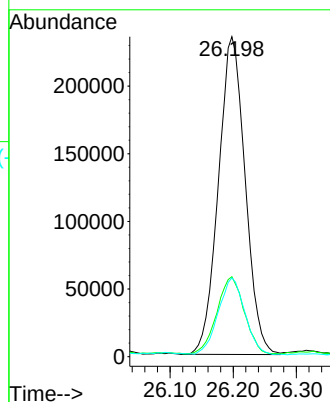
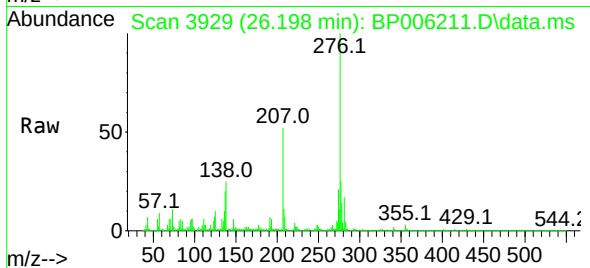
Instrument :

BNA_P

ClientSampleId :

PS-TP2

Tgt Ion:	276	Resp:	692645
Ion Ratio	Lower	Upper	
276	100		
138	24.7	15.3	22.9#
277	24.2	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 24.209 ng

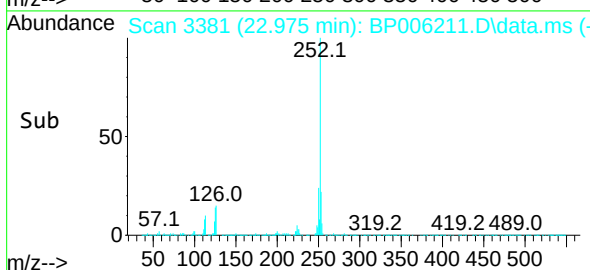
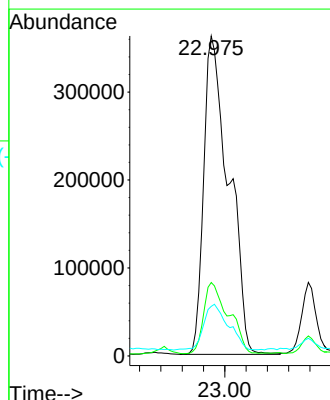
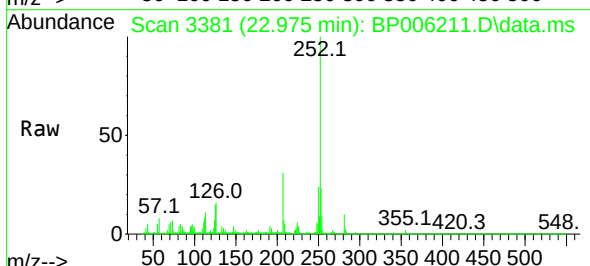
RT: 22.975 min Scan# 3381

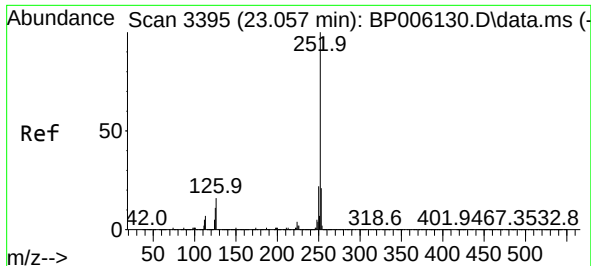
Delta R.T. -0.011 min

Lab File: BP006211.D

Acq: 13 Jul 2021 21:08

Tgt Ion:	252	Resp:	1180653
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	15.5	6.2	9.4#

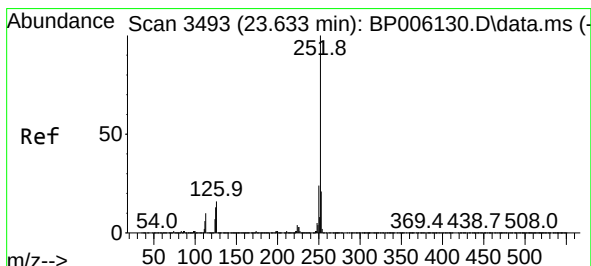
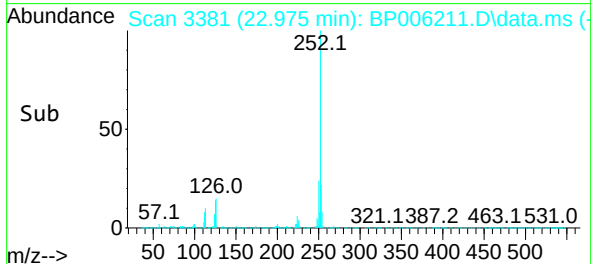
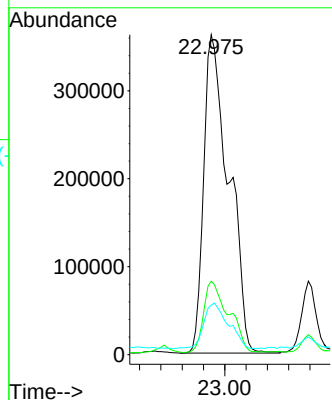
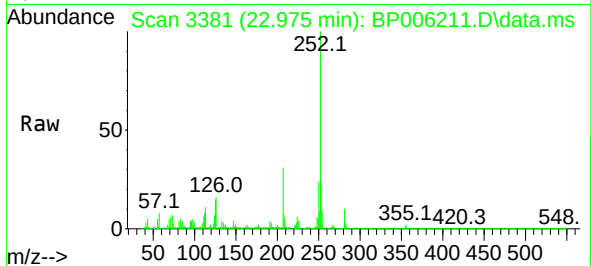




#89
Benzo(k)fluoranthene
Concen: 24.768 ng
RT: 22.975 min Scan# 3381
Delta R.T. -0.058 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

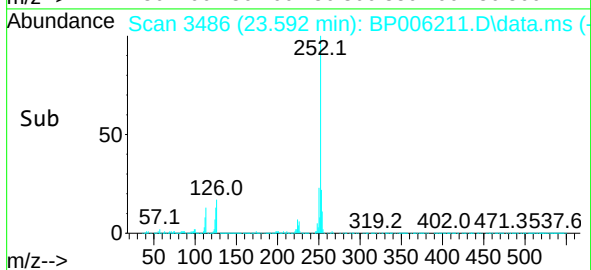
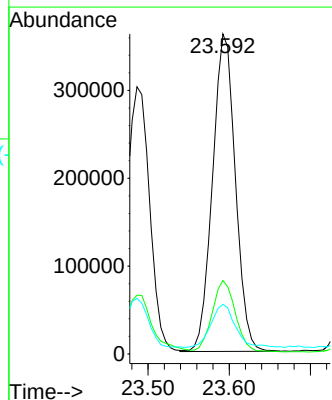
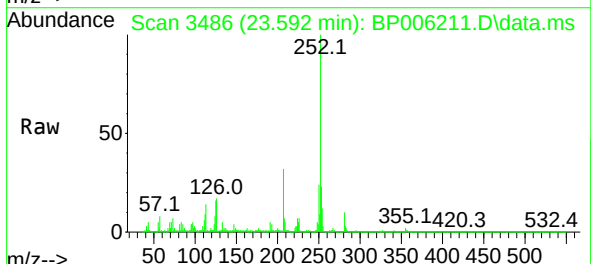
Instrument :
BNA_P
ClientSampleId :
PS-TP2

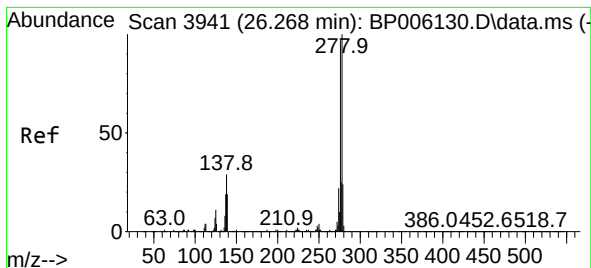
Tgt Ion:252 Resp: 1180653
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 15.5 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 15.465 ng
RT: 23.592 min Scan# 3486
Delta R.T. -0.017 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:252 Resp: 707744
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 15.5 6.5 9.7#

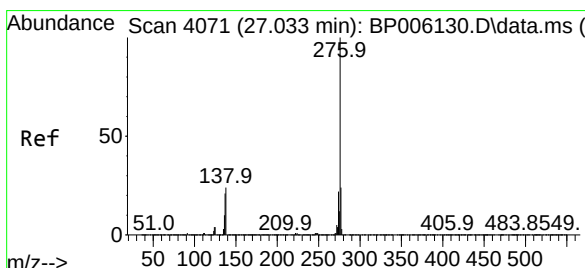
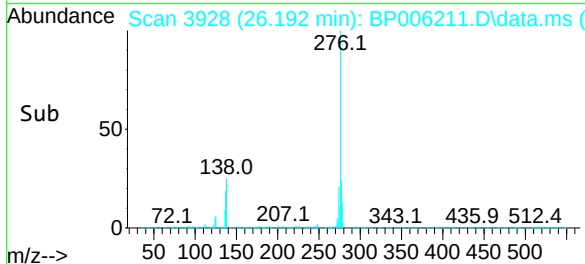
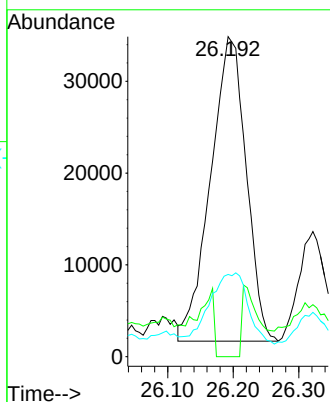
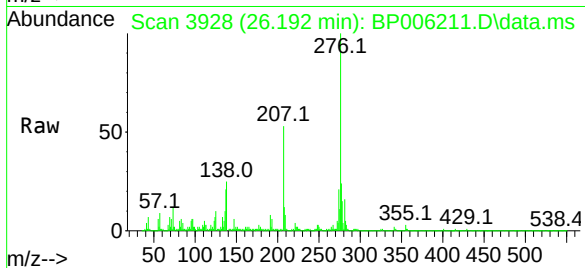




#91
Dibenzo(a,h)anthracene
Concen: 2.453 ng
RT: 26.192 min Scan# 3928
Delta R.T. -0.047 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Instrument :
BNA_P
ClientSampleId :
PS-TP2

Tgt Ion:278 Resp: 125195
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 25.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 18.252 ng
RT: 26.968 min Scan# 4060
Delta R.T. -0.035 min
Lab File: BP006211.D
Acq: 13 Jul 2021 21:08

Tgt Ion:276 Resp: 916806
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 26.0 12.6 18.8#

