

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071021\
 Data File : BP006181.D
 Acq On : 10 Jul 2021 16:02
 Operator : CG/JU
 Sample : M2696-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB07

Quant Time: Jul 11 05:47:40 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 07 16:08:13 2021
 Response via : Initial Calibration

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

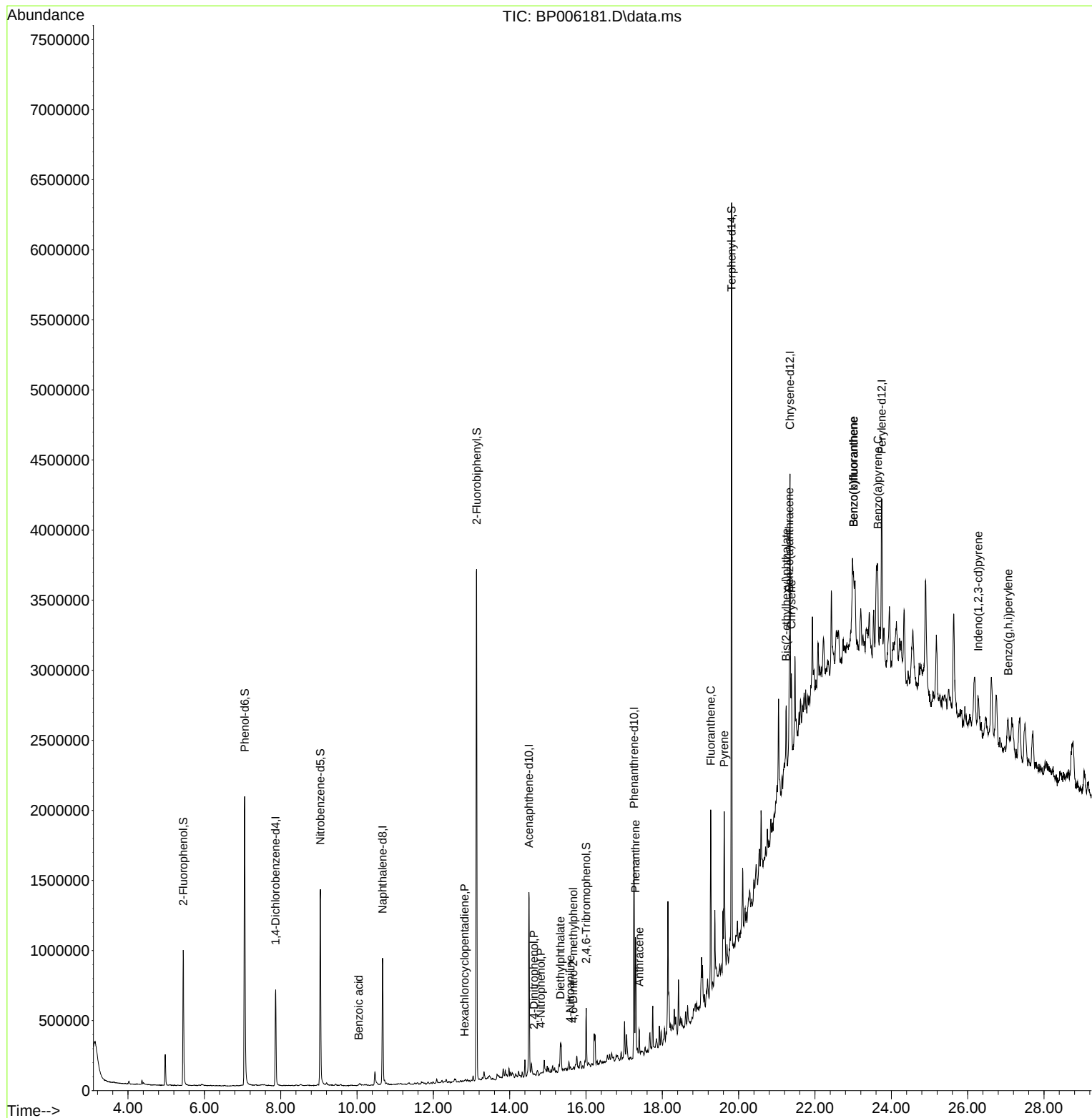
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	202810	20.00	ng	0.00
21) Naphthalene-d8	10.669	136	801929	20.00	ng	-0.01
39) Acenaphthene-d10	14.504	164	460207	20.00	ng	-0.01
64) Phenanthrene-d10	17.257	188	839287	20.00	ng	# 0.00
76) Chrysene-d12	21.345	240	765104	20.00	ng	# 0.00
86) Perylene-d12	23.751	264	869150	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	508682	43.16	ng	-0.01
7) Phenol-d6	7.057	99	1427596	91.57	ng	0.00
23) Nitrobenzene-d5	9.040	82	839593	66.13	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	76694	14.00	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	1927848	61.93	ng	0.00
79) Terphenyl-d14	19.816	244	2383078	61.41	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.046	122	774	6.99	ng	# 62
41) Hexachlorocyclopentadiene	12.822	237	24	8.71	ng	76
54) 2,4-Dinitrophenol	14.634	184	11	8.88	ng	# 1
56) 4-Nitrophenol	14.816	139	616	7.22	ng	# 41
60) Diethylphthalate	15.328	149	153786	4.53	ng	99
62) 4-Nitroaniline	15.586	138	281	2.99	ng	# 83
65) 4,6-Dinitro-2-methylph...	15.669	198	136	4.44	ng	# 1
71) Phenanthrene	17.298	178	512663	10.82	ng	99
72) Anthracene	17.398	178	121182	2.61	ng	99
75) Fluoranthene	19.269	202	665112	12.80	ng	96
78) Pyrene	19.622	202	614256	11.88	ng	99
81) Benzo(a)anthracene	21.327	228	316379	6.54	ng	# 94
83) Chrysene	21.380	228	288135	6.03	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.245	149	131586	3.48	ng	95
87) Indeno(1,2,3-cd)pyrene	26.274	276	215178	3.36	ng	# 92
88) Benzo(b)fluoranthene	23.010	252	395070	7.49	ng	# 76
89) Benzo(k)fluoranthene	23.010	252	395070	7.67	ng	# 76
90) Benzo(a)pyrene	23.645	252	291789	5.90	ng	# 79
92) Benzo(g,h,i)perylene	27.062	276	234298	4.31	ng	# 79

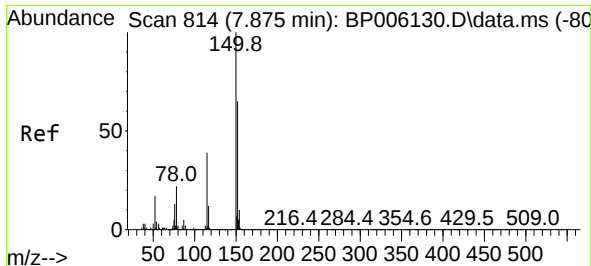
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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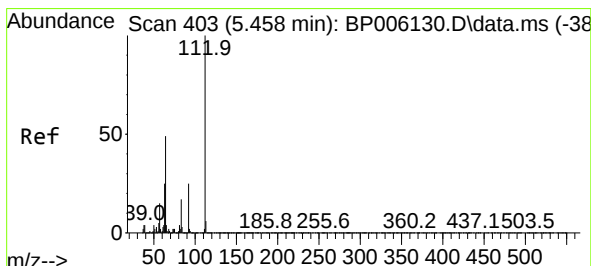
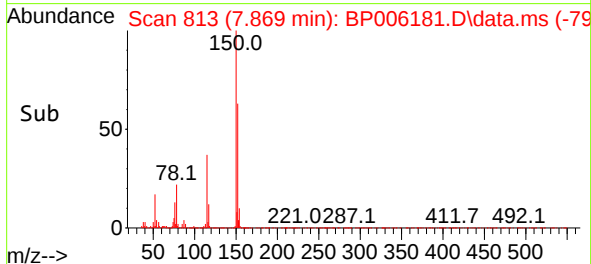
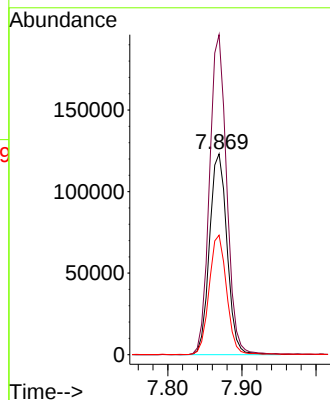
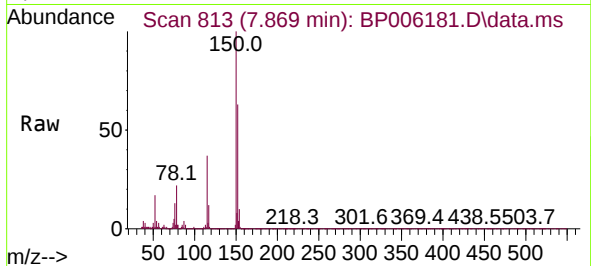




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

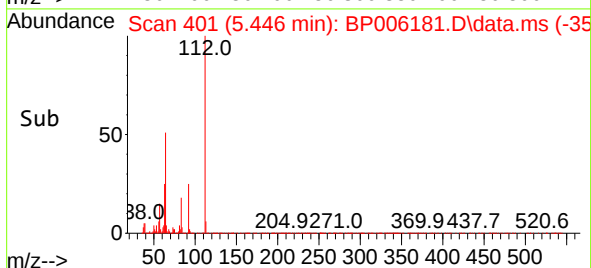
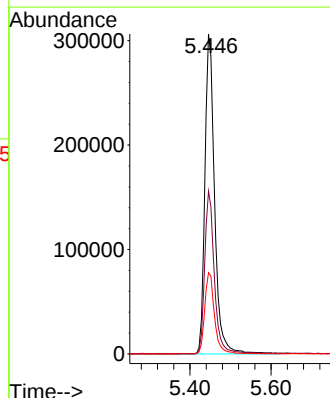
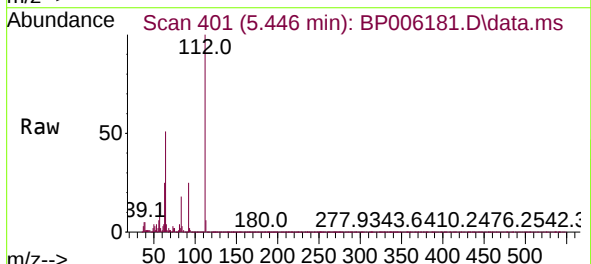
Instrument :
BNA_P
ClientSampleId :
SB07

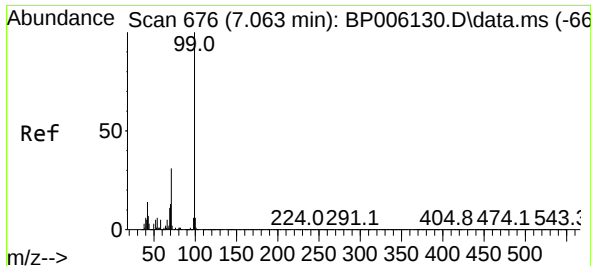
Tgt Ion:152 Resp: 202810
Ion Ratio Lower Upper
152 100
150 159.4 125.6 188.4
115 59.5 48.5 72.7



#5
2-Fluorophenol
Concen: 43.16 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:112 Resp: 508682
Ion Ratio Lower Upper
112 100
64 50.9 41.4 62.2
63 25.4 23.8 35.8

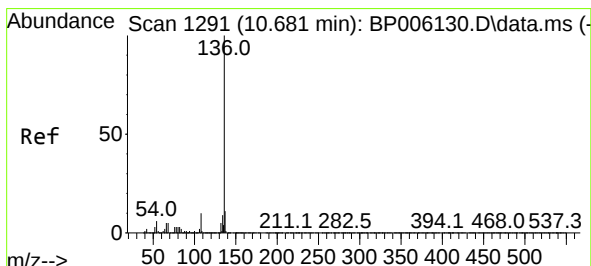
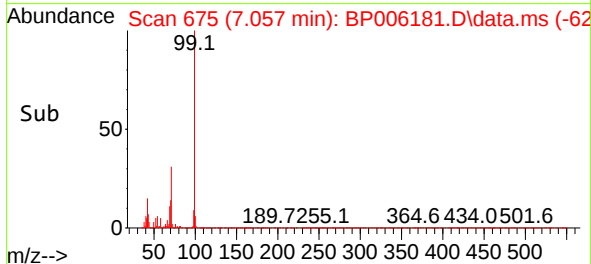
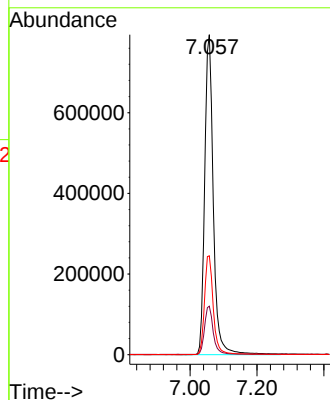
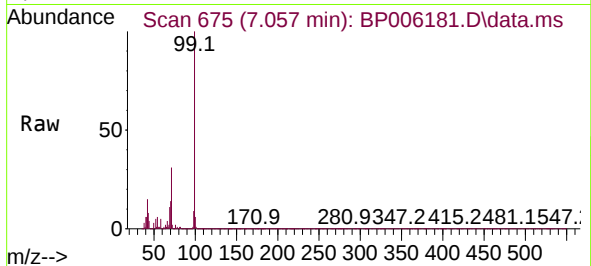




#7
Phenol-d6
Concen: 91.57 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

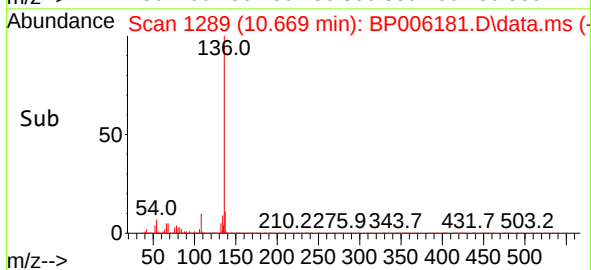
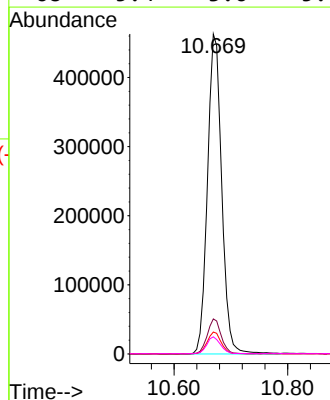
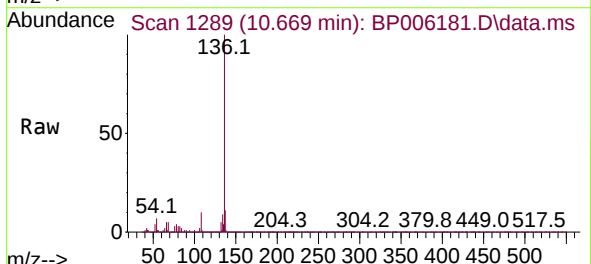
Instrument :
BNA_P
ClientSampled :
SB07

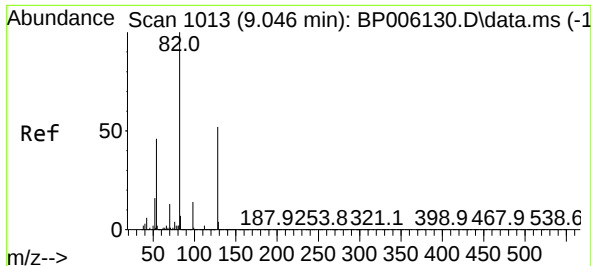
Tgt Ion: 99 Resp: 1427596
Ion Ratio Lower Upper
99 100
42 15.2 13.4 20.0
71 30.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion: 136 Resp: 801929
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.8 4.6 6.8
68 5.4 3.6 5.4





#23

Nitrobenzene-d5

Concen: 66.13 ng

RT: 9.040 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BP006181.D

Acq: 10 Jul 2021 16:02

Instrument :

BNA_P

ClientSampleId :

SB07

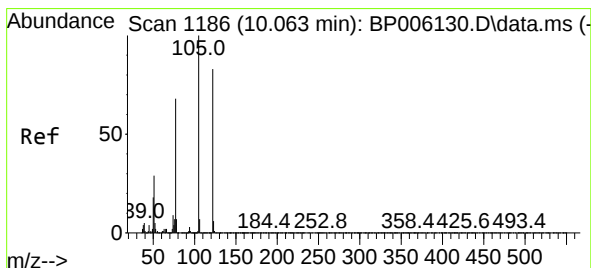
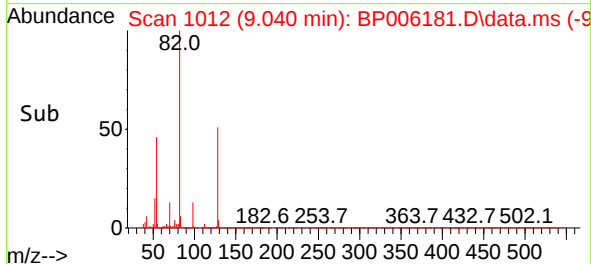
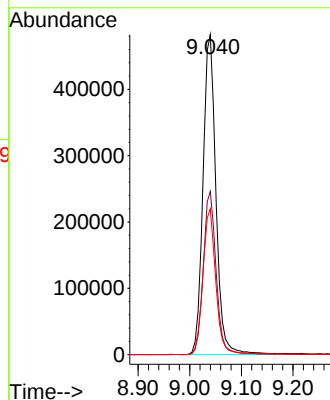
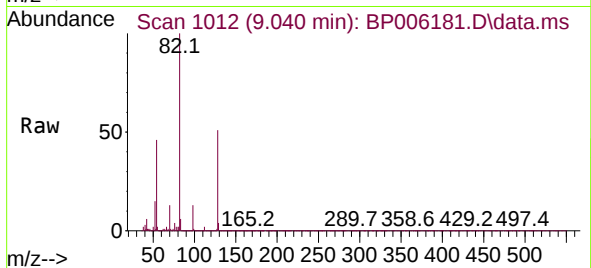
Tgt Ion: 82 Resp: 839593

Ion Ratio Lower Upper

82 100

128 51.0 35.7 53.5

54 45.6 35.0 52.4



#32

Benzoic acid

Concen: 6.99 ng

RT: 10.046 min Scan# 1183

Delta R.T. -0.017 min

Lab File: BP006181.D

Acq: 10 Jul 2021 16:02

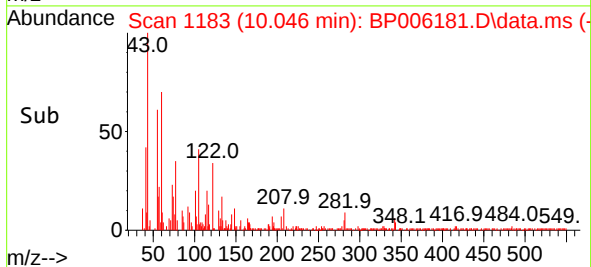
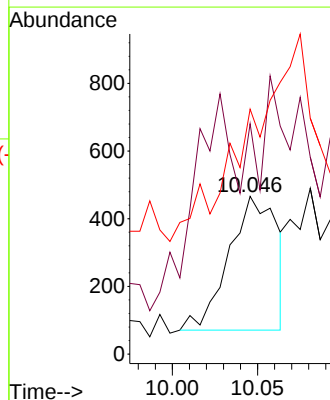
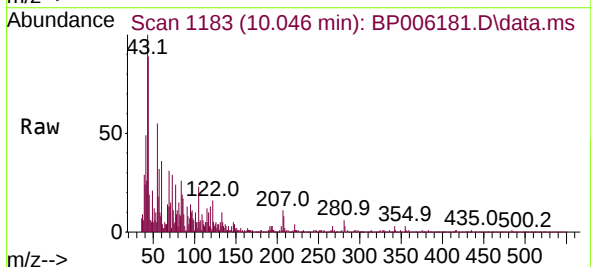
Tgt Ion: 122 Resp: 774

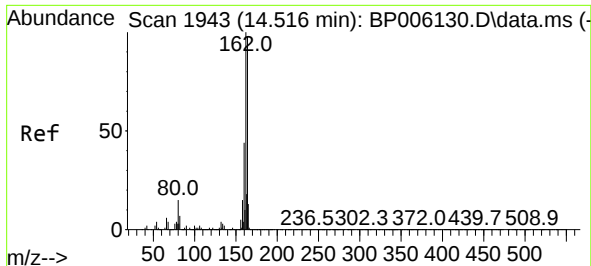
Ion Ratio Lower Upper

122 100

105 146.1 103.2 143.2#

77 155.4 76.2 116.2#



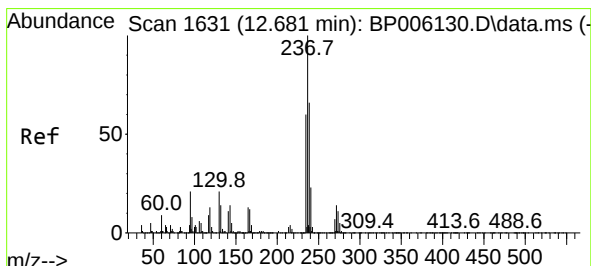
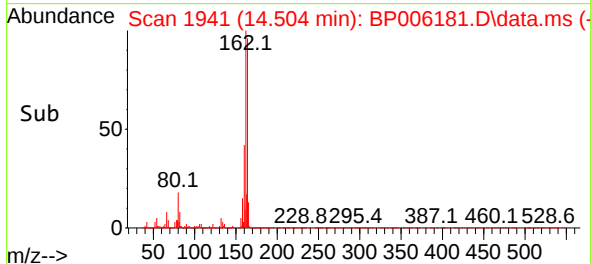
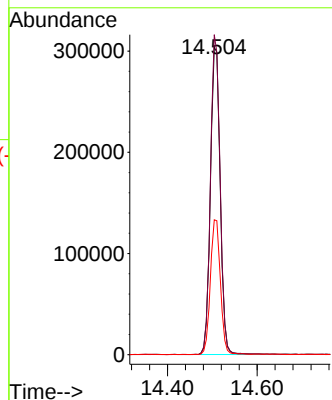
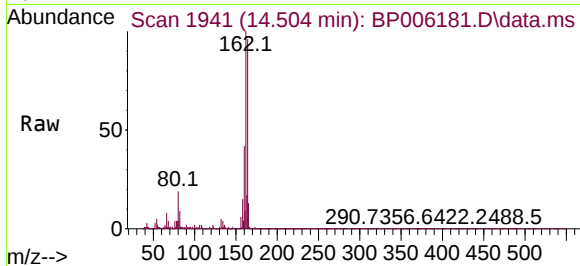


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Instrument :
BNA_P
ClientSampleId :
SB07

Tgt Ion:164 Resp: 460207

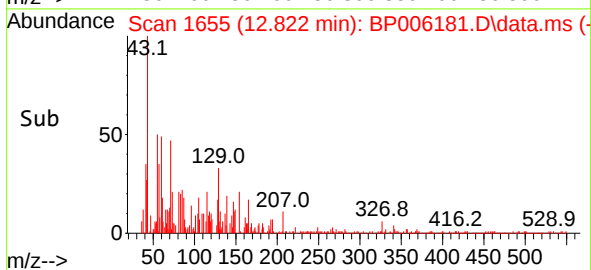
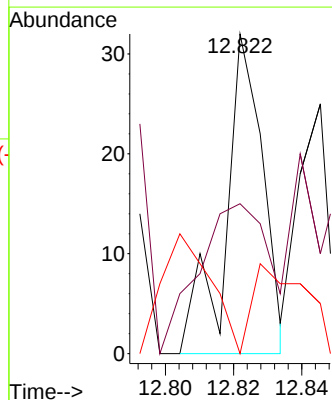
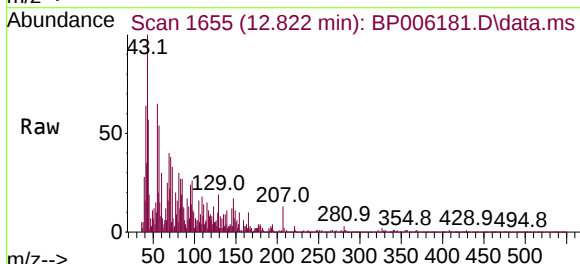
Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.2	120.2
160	43.9	34.5	51.7

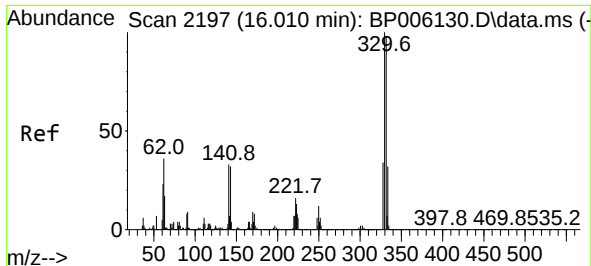


#41
Hexachlorocyclopentadiene
Concen: 8.71 ng
RT: 12.822 min Scan# 1655
Delta R.T. 0.141 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:237 Resp: 24

Ion	Ratio	Lower	Upper
237	100		
235	46.9	44.5	84.5
272	0.0	0.0	32.5

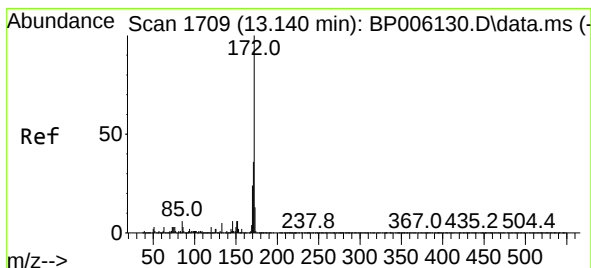
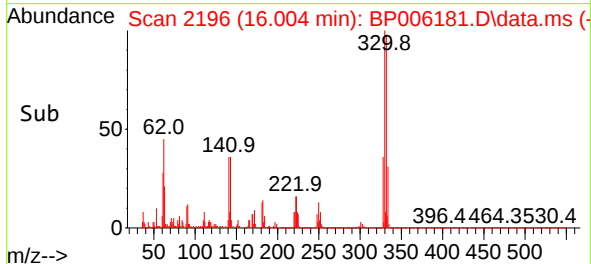
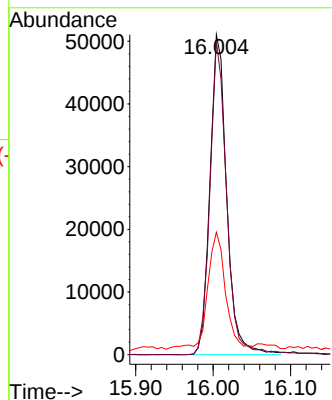
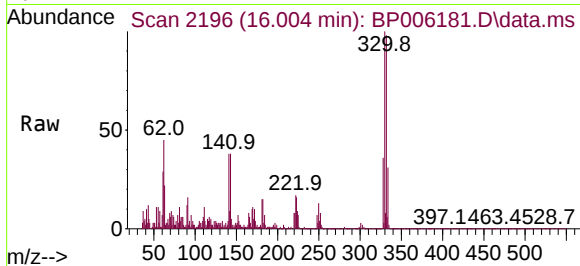




#42
2,4,6-Tribromophenol
Concen: 14.00 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

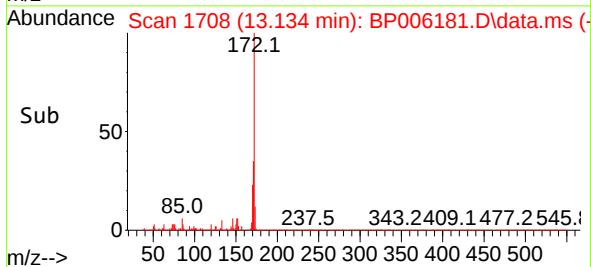
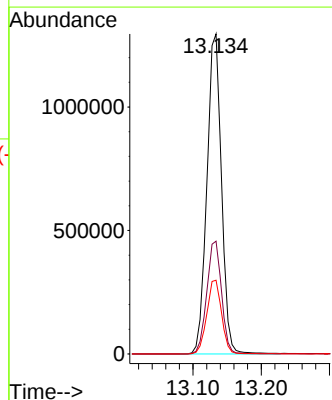
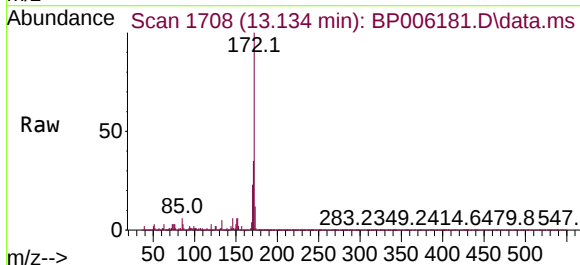
Instrument :
BNA_P
ClientSampleId :
SB07

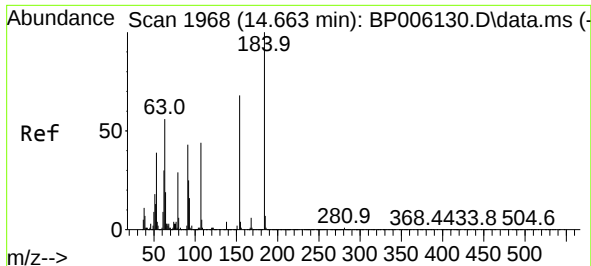
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.8	116.8
141	39.1	25.4	38.2#



#45
2-Fluorobiphenyl
Concen: 61.93 ng
RT: 13.134 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.1	18.6	27.8

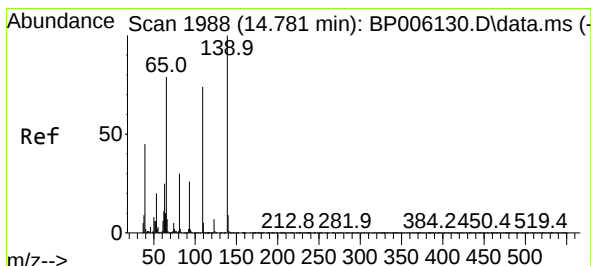
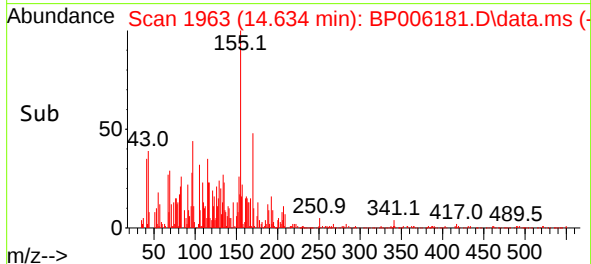
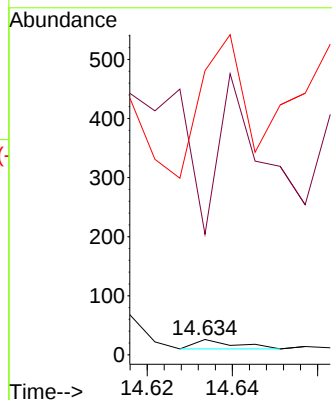
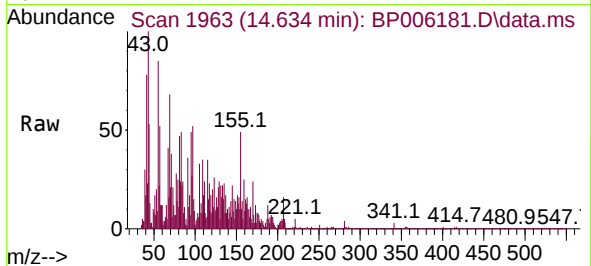




#54
2,4-Dinitrophenol
Concen: 8.88 ng
RT: 14.634 min Scan# 1963
Delta R.T. -0.029 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

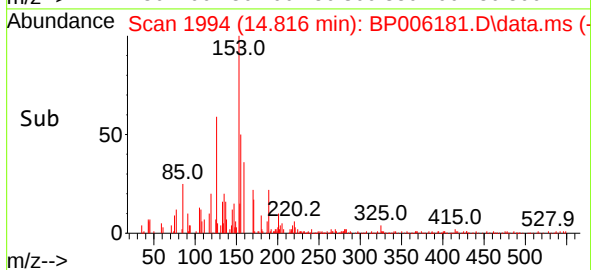
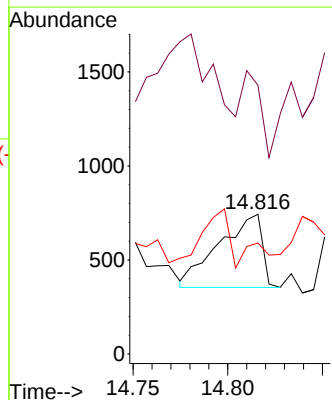
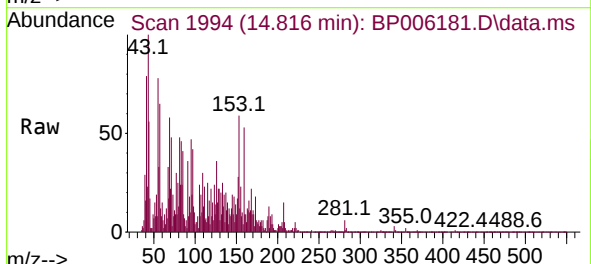
Instrument :
BNA_P
ClientSampled :
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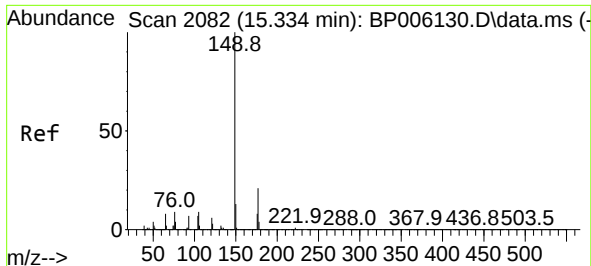
Tgt Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 784.6 47.0 70.6#
154 1850.0 52.3 78.5#



#56
4-Nitrophenol
Concen: 7.22 ng
RT: 14.816 min Scan# 1994
Delta R.T. 0.035 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:139 Resp: 616
Ion Ratio Lower Upper
139 100
109 192.3 72.3 112.3#
65 79.4 72.5 112.5

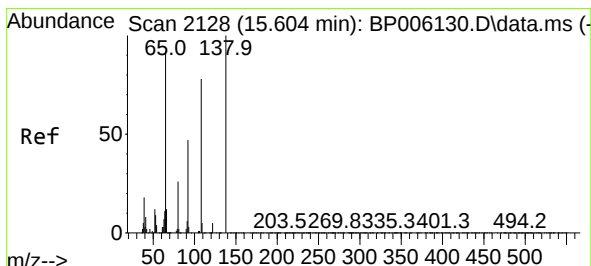
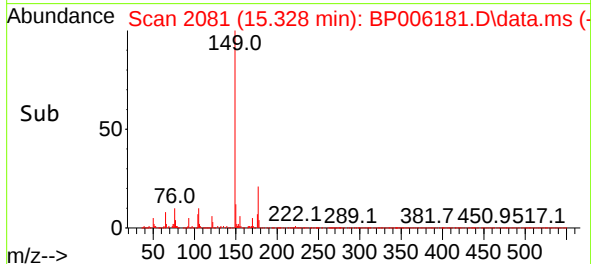
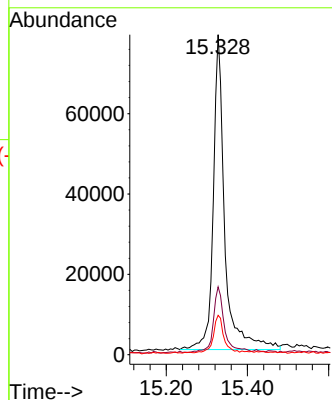
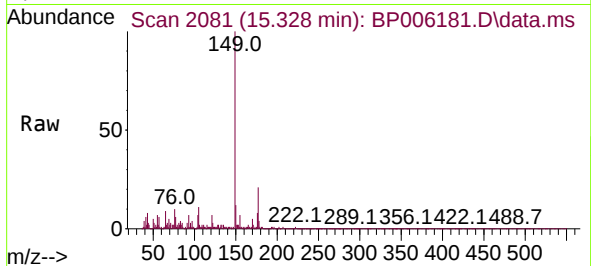




#60
Diethylphthalate
Concen: 4.53 ng
RT: 15.328 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

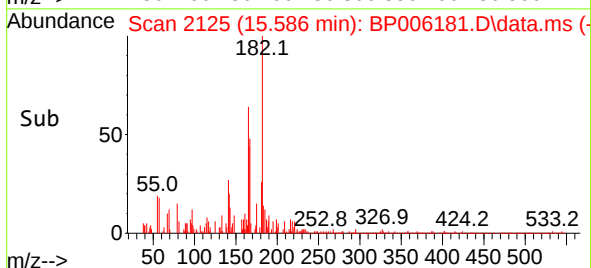
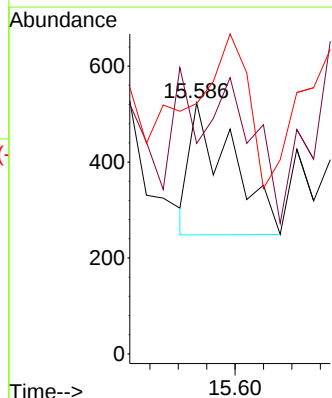
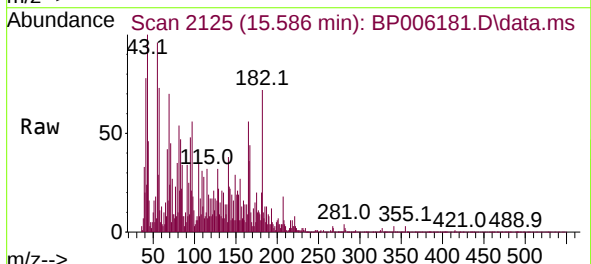
Instrument :
BNA_P
ClientSampleId :
SB07

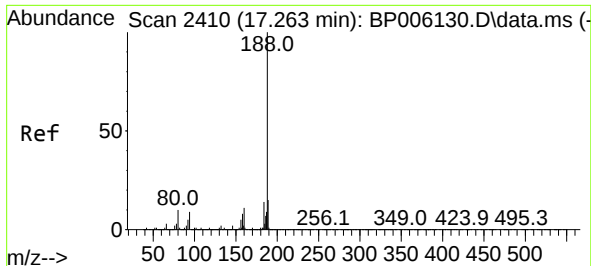
Tgt Ion:149 Resp: 153786
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.3 9.9 14.9



#62
4-Nitroaniline
Concen: 2.99 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:138 Resp: 281
Ion Ratio Lower Upper
138 100
92 83.9 31.2 71.2#
108 99.8 78.6 118.6

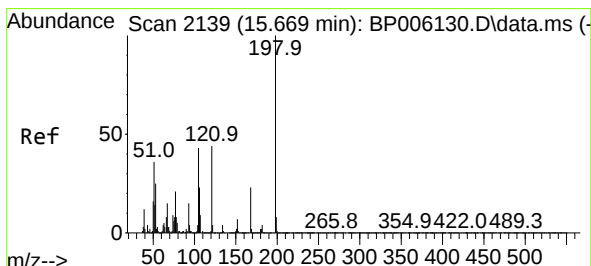
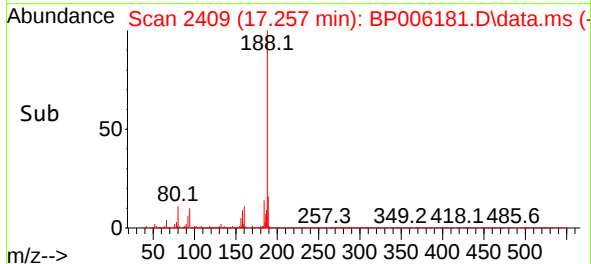
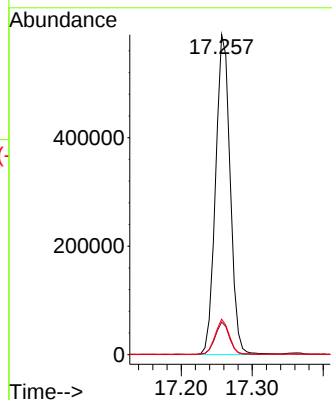
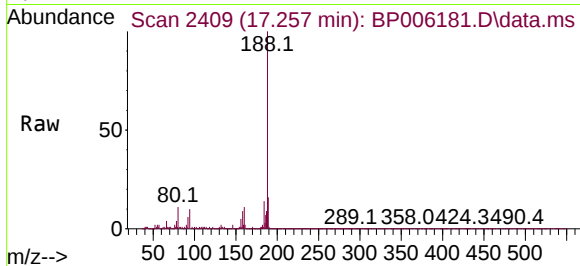




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.257 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

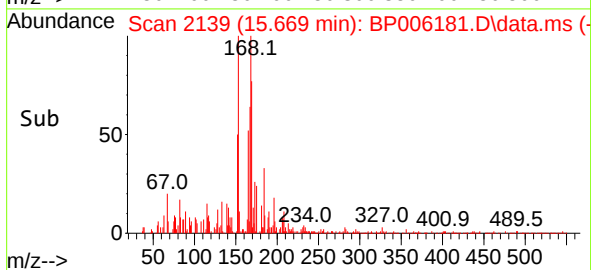
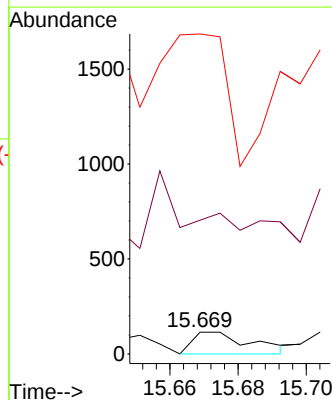
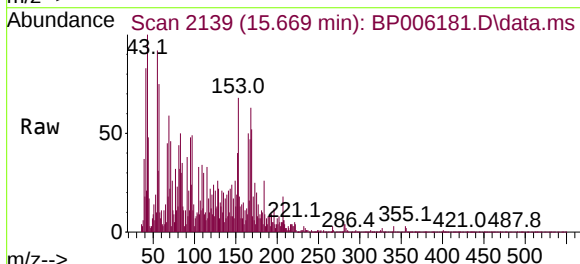
Instrument :
BNA_P
ClientSampleId :
SB07

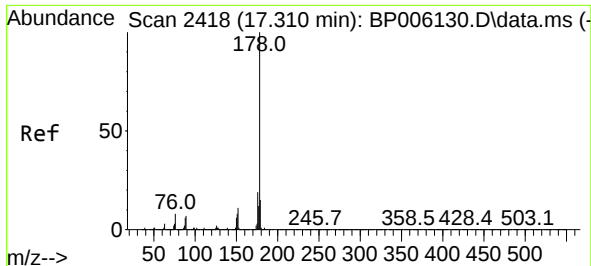
Tgt Ion:188 Resp: 839287
Ion Ratio Lower Upper
188 100
94 10.2 5.6 8.4#
80 11.1 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.44 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:198 Resp: 136
Ion Ratio Lower Upper
198 100
51 617.5 14.0 54.0#
105 1478.1 19.5 59.5#

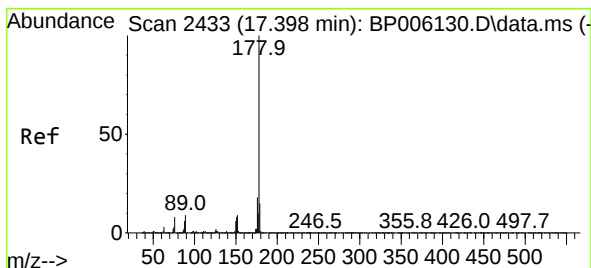
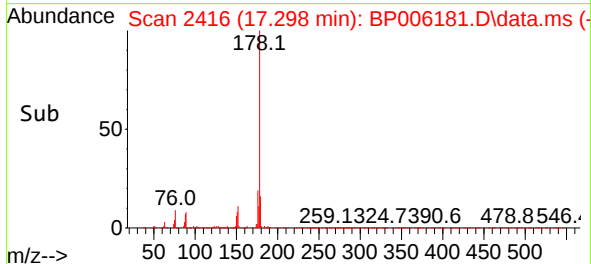
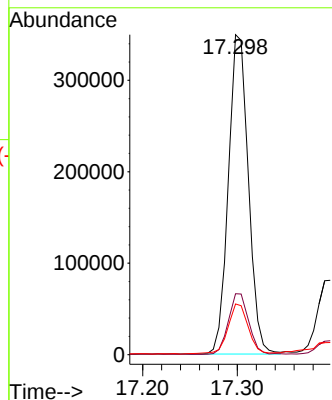
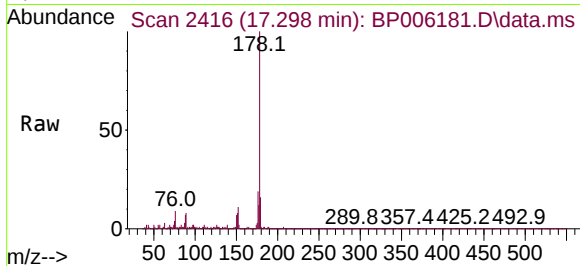




#71
Phenanthrene
Concen: 10.82 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

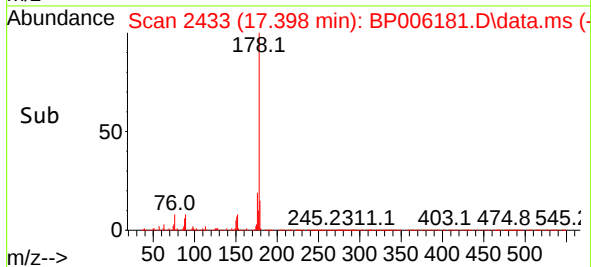
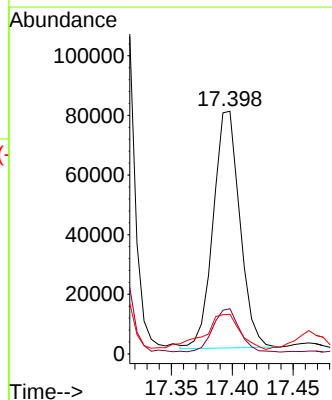
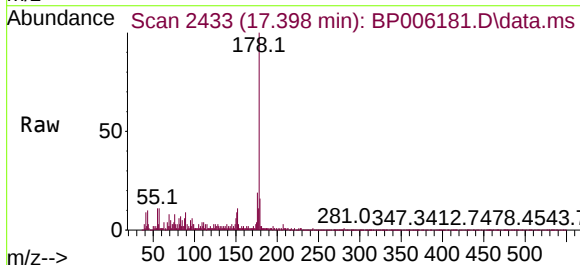
Instrument :
BNA_P
ClientSampleId :
SB07

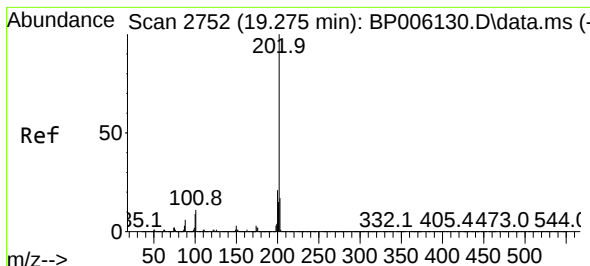
Tgt Ion:178 Resp: 512663
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.9 12.4 18.6



#72
Anthracene
Concen: 2.61 ng
RT: 17.398 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:178 Resp: 121182
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 16.4 12.2 18.2

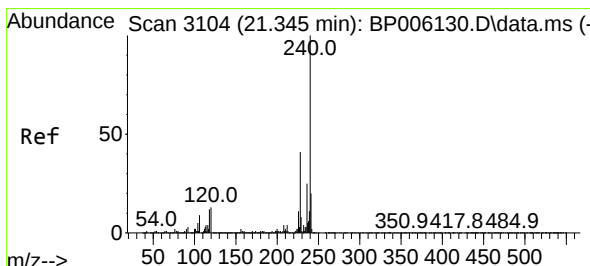
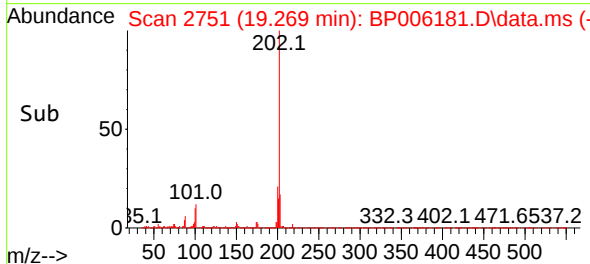
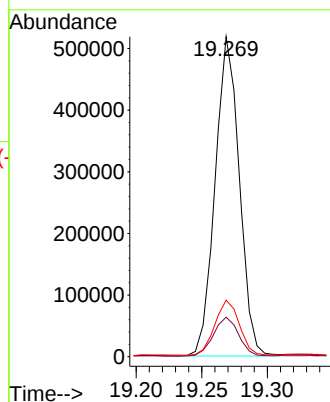
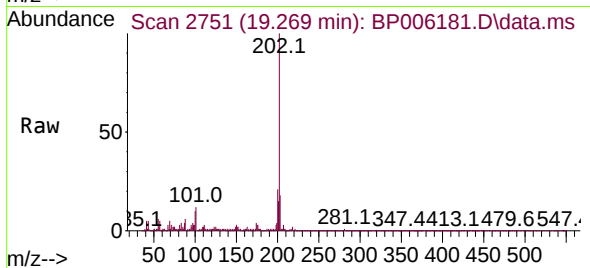




#75
Fluoranthene
Concen: 12.80 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

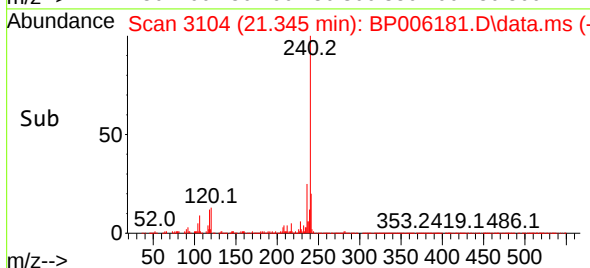
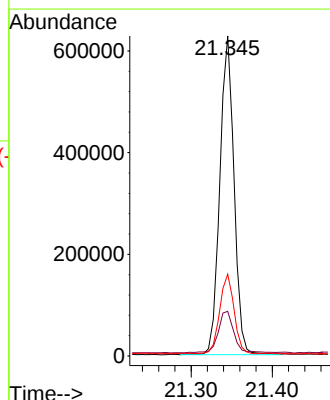
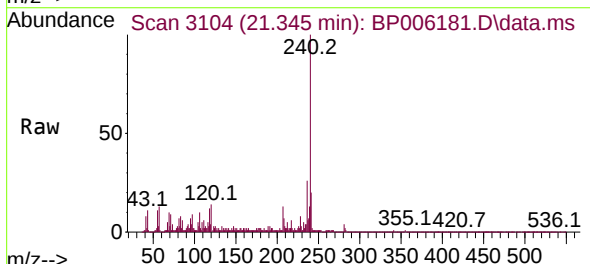
Instrument :
BNA_P
ClientSampleId :
SB07

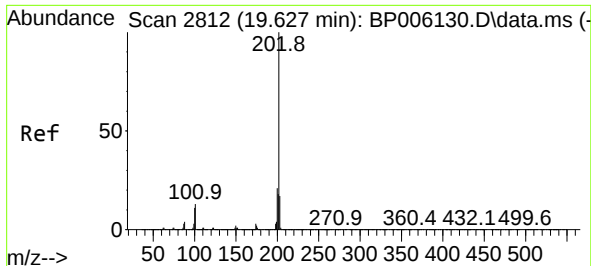
Tgt Ion:202 Resp: 665112
Ion Ratio Lower Upper
202 100
101 12.4 0.0 27.6
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:240 Resp: 765104
Ion Ratio Lower Upper
240 100
120 14.0 6.5 9.7#
236 25.5 20.6 31.0

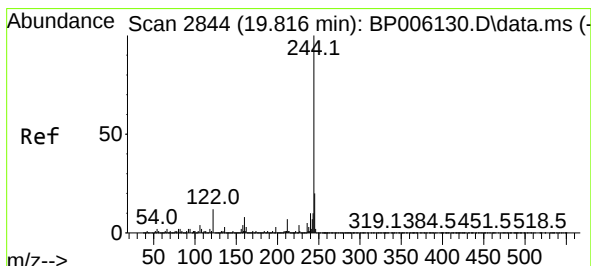
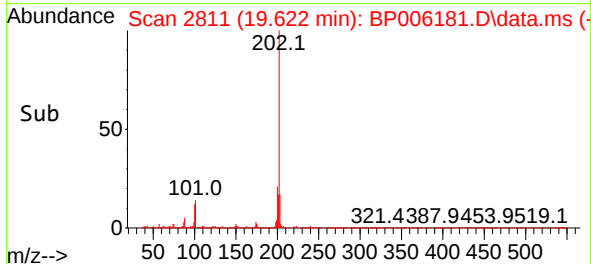
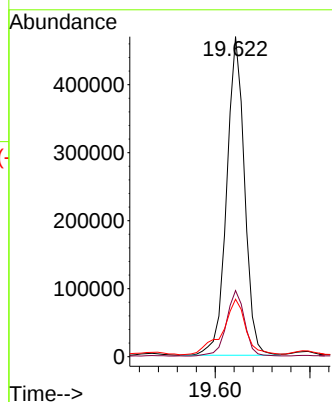
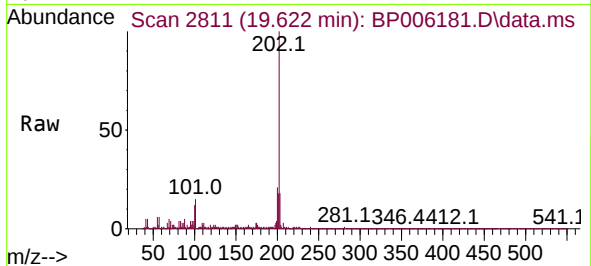




#78
Pyrene
Concen: 11.88 ng
RT: 19.622 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

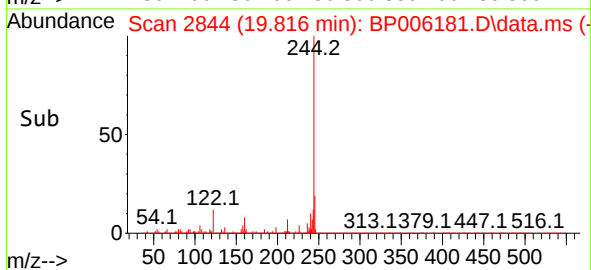
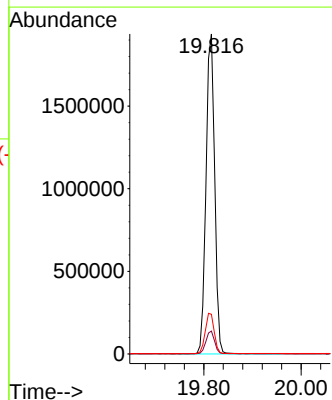
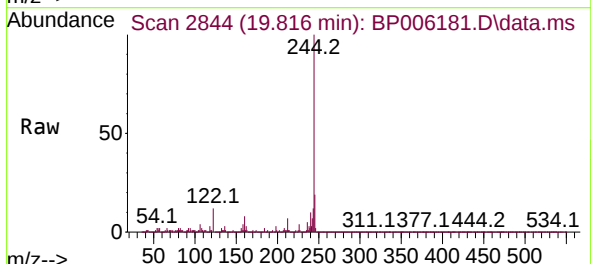
Instrument :
BNA_P
ClientSampleId :
SB07

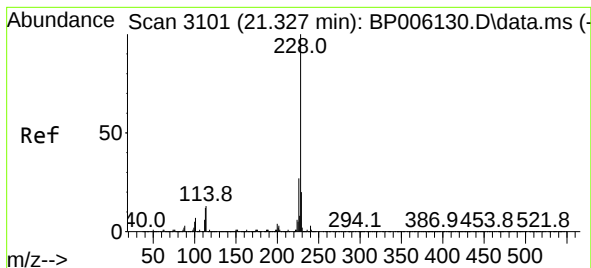
Tgt Ion:202 Resp: 614256
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 18.0 14.2 21.2



#79
Terphenyl-d14
Concen: 61.41 ng
RT: 19.816 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:244 Resp: 2383078
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 12.4 7.1 10.7#





#81

Benzo(a)anthracene

Concen: 6.54 ng

RT: 21.327 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP006181.D

Acq: 10 Jul 2021 16:02

Instrument :

BNA_P

ClientSampleId :

SB07

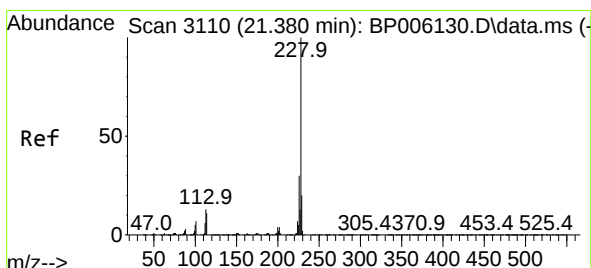
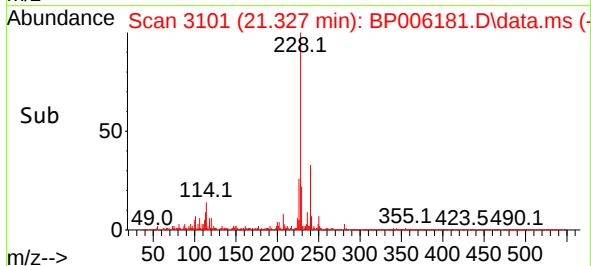
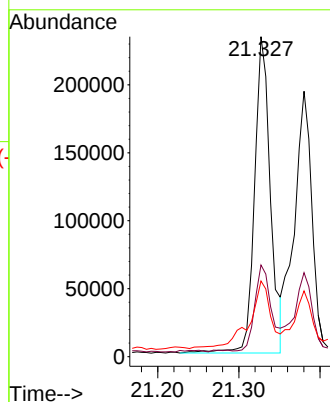
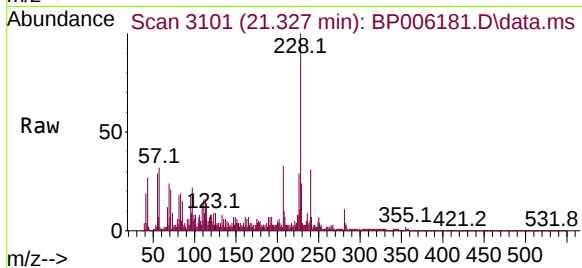
Tgt Ion:228 Resp: 316379

Ion Ratio Lower Upper

228 100

226 28.7 21.6 32.4

229 23.7 15.8 23.6#



#83

Chrysene

Concen: 6.03 ng

RT: 21.380 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP006181.D

Acq: 10 Jul 2021 16:02

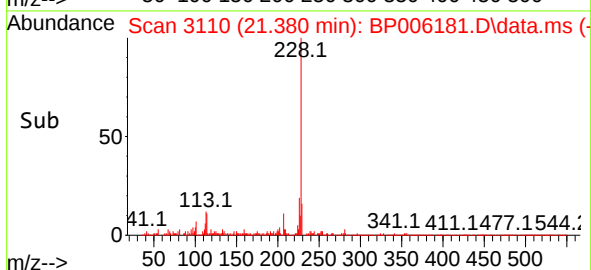
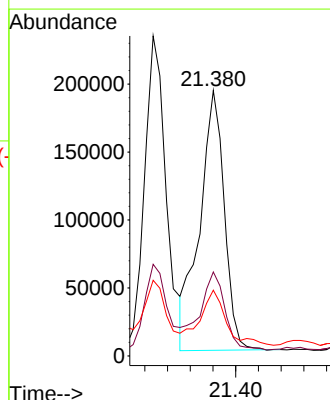
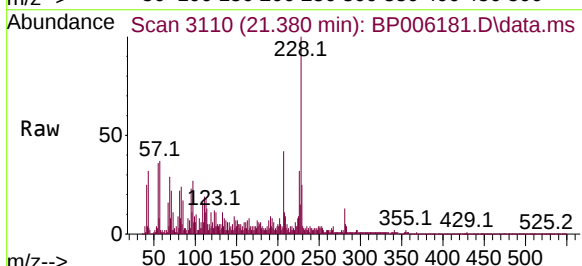
Tgt Ion:228 Resp: 288135

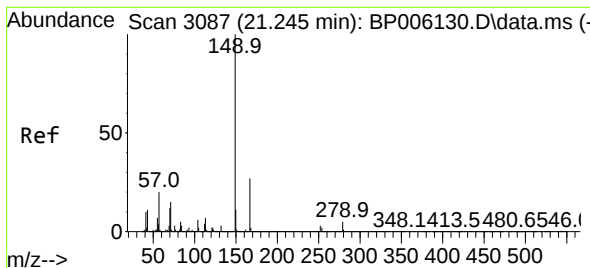
Ion Ratio Lower Upper

228 100

226 31.6 23.8 35.6

229 24.8 15.4 23.2#

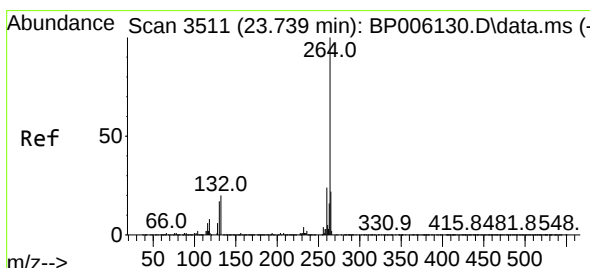
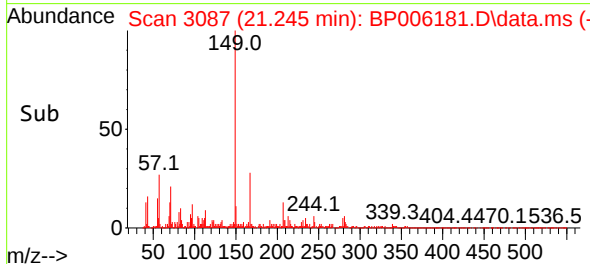
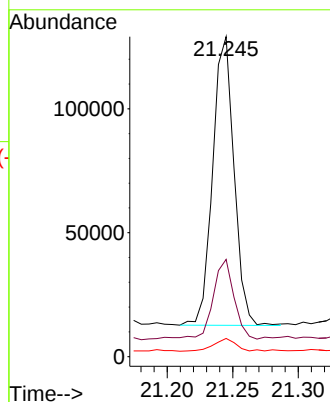
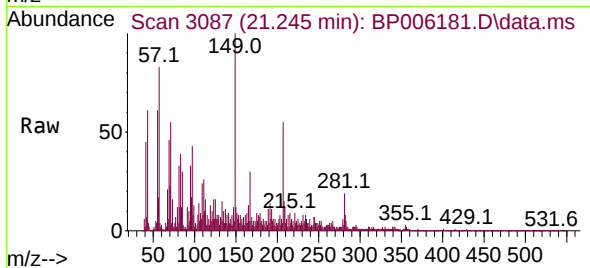




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.48 ng
 RT: 21.245 min Scan# 3087
 Delta R.T. 0.000 min
 Lab File: BP006181.D
 Acq: 10 Jul 2021 16:02

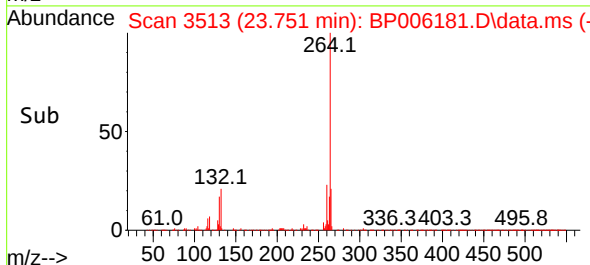
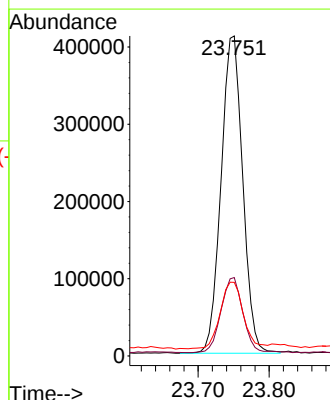
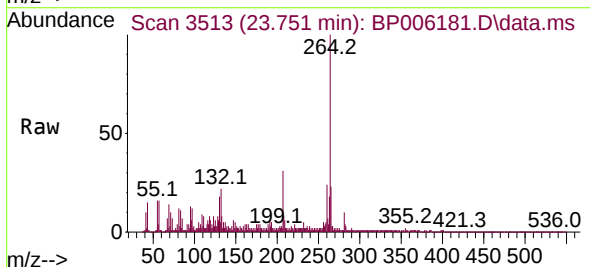
Instrument :
 BNA_P
 ClientSampleId :
 SB07

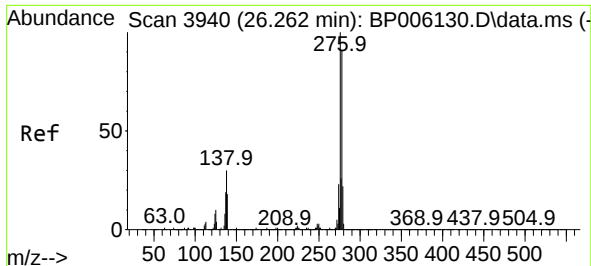
Tgt Ion:	149	Resp:	131586
Ion Ratio	Lower	Upper	
149	100		
167	30.4	21.9	32.9
279	5.7	4.3	6.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.751 min Scan# 3513
 Delta R.T. 0.012 min
 Lab File: BP006181.D
 Acq: 10 Jul 2021 16:02

Tgt Ion:	264	Resp:	869150
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.6	28.0
265	23.0	17.6	26.4

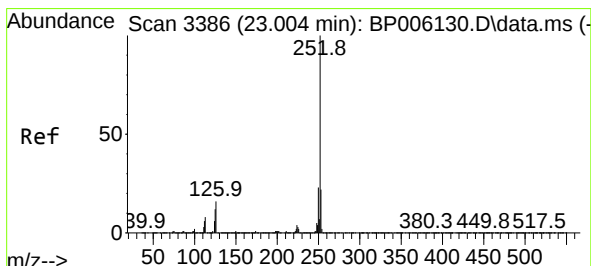
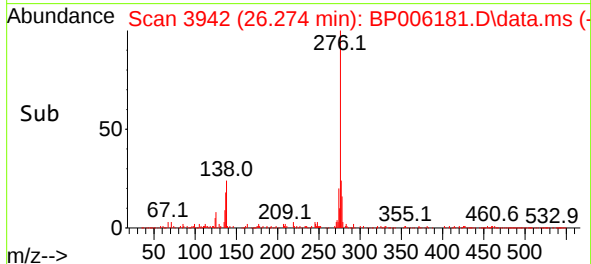
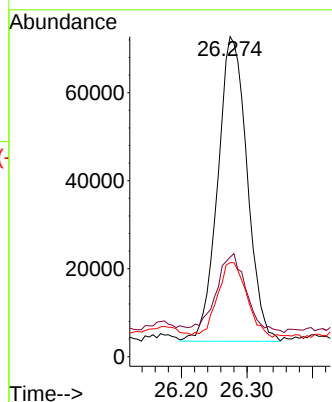
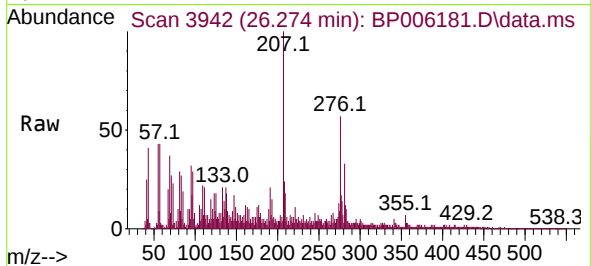




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.36 ng
RT: 26.274 min Scan# 3942
Delta R.T. 0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

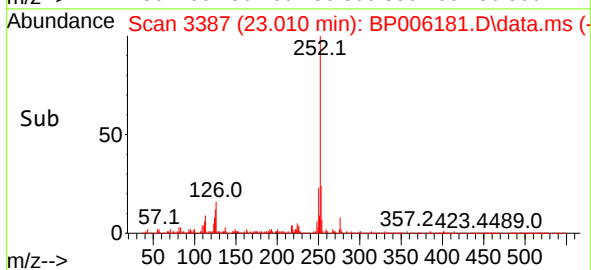
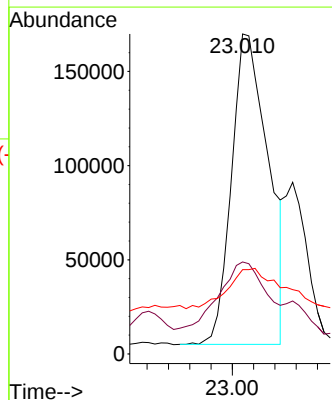
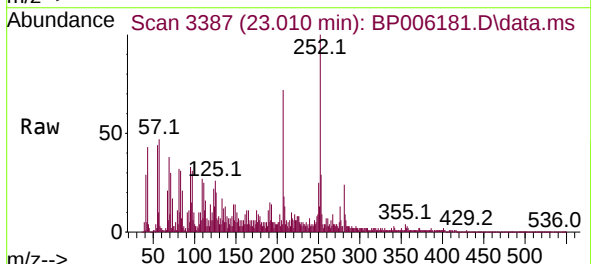
Instrument :
BNA_P
ClientSampled :
SB07

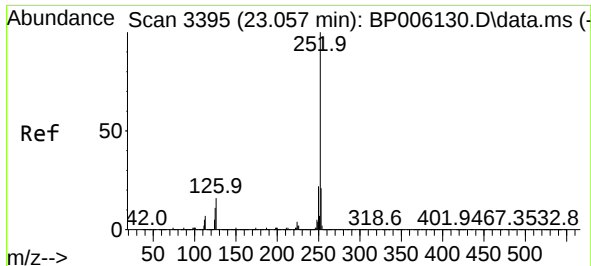
Tgt Ion:276 Resp: 215178
Ion Ratio Lower Upper
276 100
138 26.6 15.3 22.9#
277 24.5 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 7.49 ng
RT: 23.010 min Scan# 3387
Delta R.T. 0.006 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

Tgt Ion:252 Resp: 395070
Ion Ratio Lower Upper
252 100
253 28.7 17.5 26.3#
125 26.3 6.2 9.4#

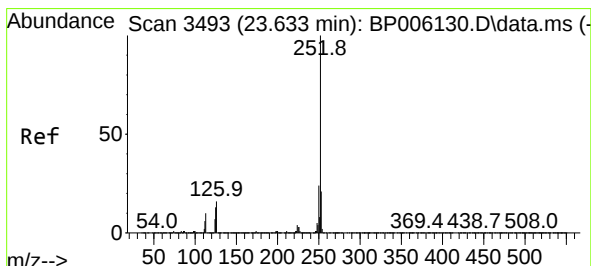
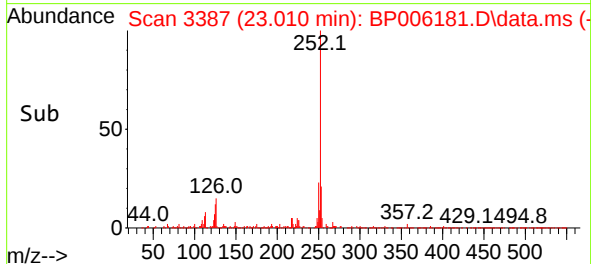
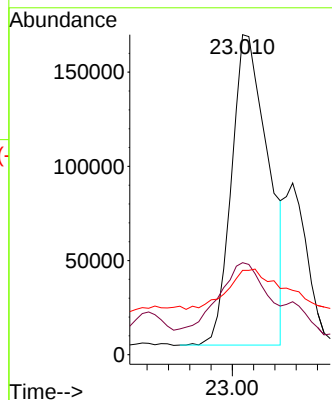
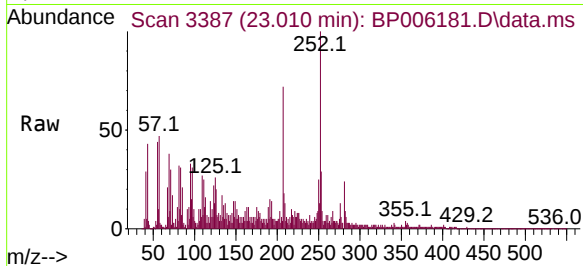




#89
Benzo(k)fluoranthene
Concen: 7.67 ng
RT: 23.010 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

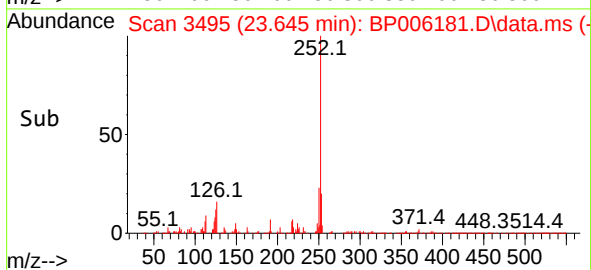
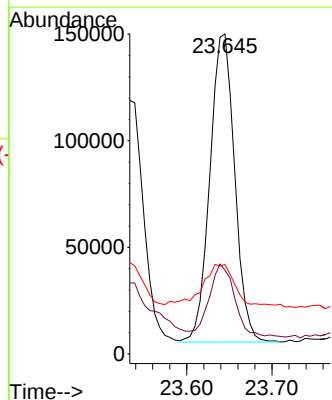
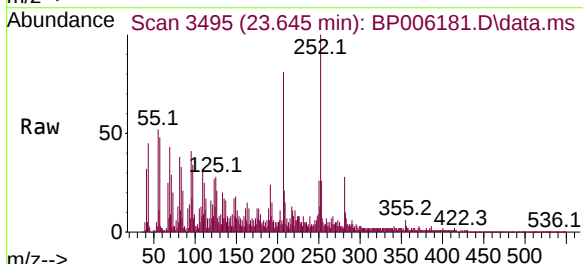
Instrument :
BNA_P
ClientSampleId :
SB07

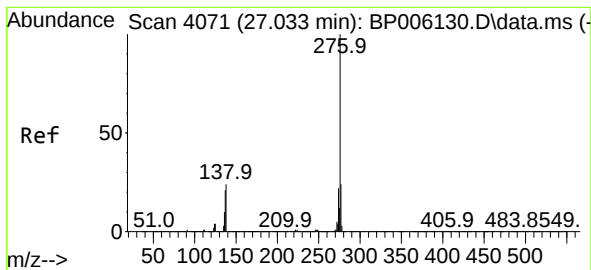
Tgt Ion:252 Resp: 395070
Ion Ratio Lower Upper
252 100
253 28.7 17.6 26.4#
125 26.3 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 5.90 ng
RT: 23.645 min Scan# 3495
Delta R.T. 0.012 min
Lab File: BP006181.D
Acq: 10 Jul 2021 16:02

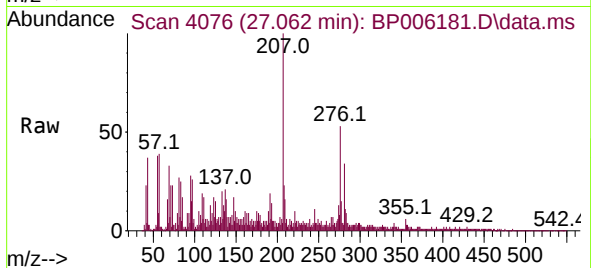
Tgt Ion:252 Resp: 291789
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 27.9 6.5 9.7#





#92
 Benzo(g,h,i)perylene
 Concen: 4.31 ng
 RT: 27.062 min Scan# 4076
 Delta R.T. 0.029 min
 Lab File: BP006181.D
 Acq: 10 Jul 2021 16:02

Instrument :
 BNA_P
 ClientSampleId :
 SB07



Tgt Ion: 276 Resp: 234298

Ion	Ratio	Lower	Upper
276	100		
277	28.7	18.9	28.3#
138	30.9	12.6	18.8#

