

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
 Data File : BP006188.D
 Acq On : 12 Jul 2021 19:04
 Operator : CG/JU
 Sample : M2997-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200029

Quant Time: Jul 13 04:16:14 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)

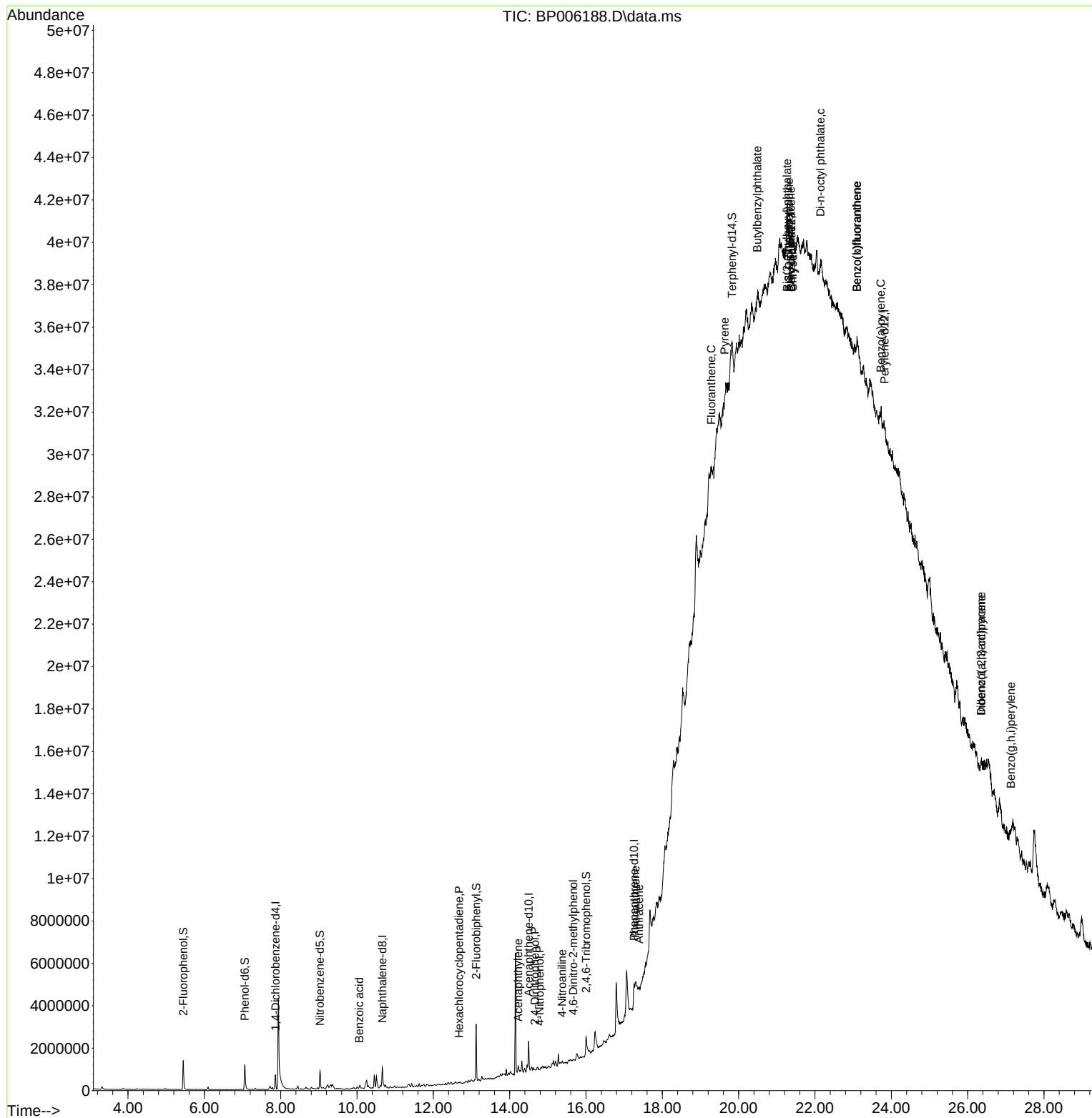
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	208070	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	812516	20.00	ng	0.00
39) Acenaphthene-d10	14.498	164	441270	20.00	ng	0.00
64) Phenanthrene-d10	17.257	188	799496	20.00	ng	# 0.00
76) Chrysene-d12	21.380	240	373028	20.00	ng	# 0.05
86) Perylene-d12	23.827	264	774017	20.00	ng	# 0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	733984	60.70	ng	0.00
7) Phenol-d6	7.057	99	888166	55.53	ng	0.01
23) Nitrobenzene-d5	9.028	82	535478	41.63	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	335130	63.79	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1316109	44.09	ng	0.00
79) Terphenyl-d14	19.827	244	1377464	72.81	ng	0.02
Target Compounds						Qvalue
32) Benzoic acid	10.057	122	10348	8.00	ng	93
41) Hexachlorocyclopentadiene	12.675	237	8	8.70	ng	89
49) Acenaphthylene	14.222	152	130192	3.17	ng	# 89
54) 2,4-Dinitrophenol	14.657	184	172	8.92	ng	# 1
56) 4-Nitrophenol	14.786	139	552	7.21	ng	# 1
62) 4-Nitroaniline	15.375	138	11970	4.48	ng	93
65) 4,6-Dinitro-2-methylph...	15.669	198	107	4.44	ng	# 1
71) Phenanthrene	17.298	178	500634	11.09	ng	# 86
72) Anthracene	17.392	178	157046	3.55	ng	# 64
75) Fluoranthene	19.280	202	754525	15.25	ng	73
78) Pyrene	19.633	202	606523	24.06	ng	# 70
80) Butylbenzylphthalate	20.486	149	27441	2.19	ng	100
81) Benzo(a)anthracene	21.369	228	198645	8.42	ng	# 42
82) 3,3'-Dichlorobenzidine	21.316	252	36588	5.29	ng	# 1
83) Chrysene	21.416	228	199337	8.55	ng	# 55
84) Bis(2-ethylhexyl)phtha...	21.269	149	2912486	157.78	ng	# 83
85) Di-n-octyl phthalate	22.145	149	68352	2.10	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.356	276	399664	7.00	ng	# 93
88) Benzo(b)fluoranthene	23.098	252	643919	13.71	ng	# 1
89) Benzo(k)fluoranthene	23.098	252	643919	14.03	ng	# 1
90) Benzo(a)pyrene	23.721	252	328532	7.46	ng	# 1
91) Dibenzo(a,h)anthracene	26.351	278	108943	2.22	ng	# 1
92) Benzo(g,h,i)perylene	27.133	276	405777	8.39	ng	# 46

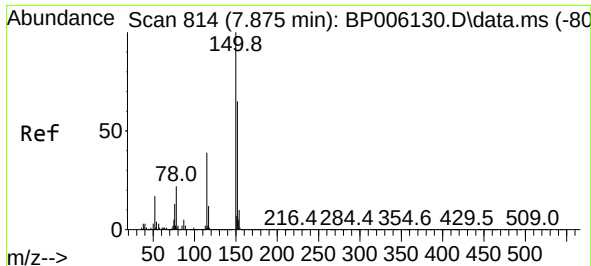
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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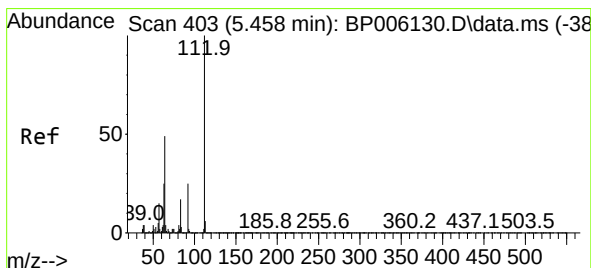
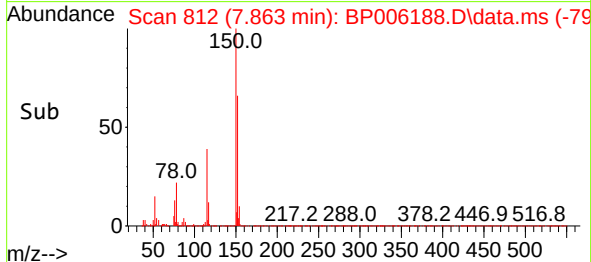
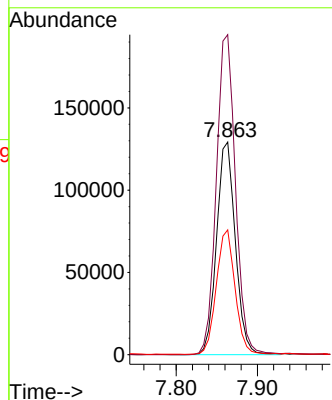
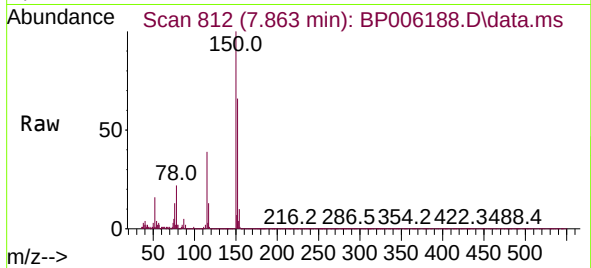




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

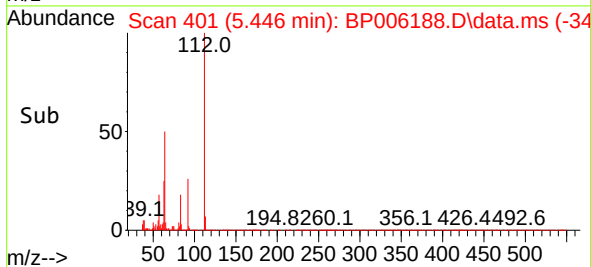
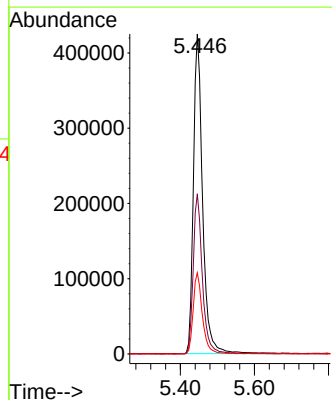
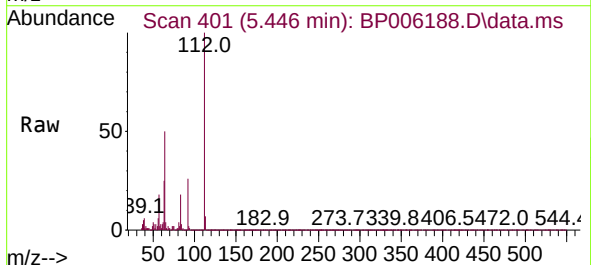
Instrument :
BNA_P
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RBR-200029

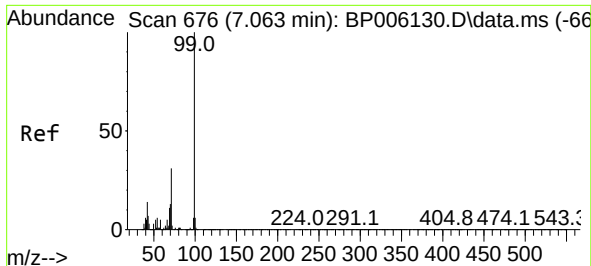
Tgt Ion:152 Resp: 208070
Ion Ratio Lower Upper
152 100
150 150.5 125.6 188.4
115 58.7 48.5 72.7



#5
2-Fluorophenol
Concen: 60.70 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:112 Resp: 733984
Ion Ratio Lower Upper
112 100
64 50.0 41.4 62.2
63 25.3 23.8 35.8

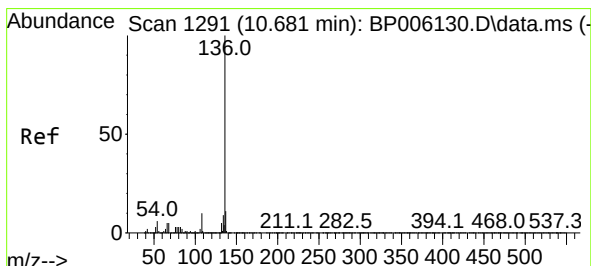
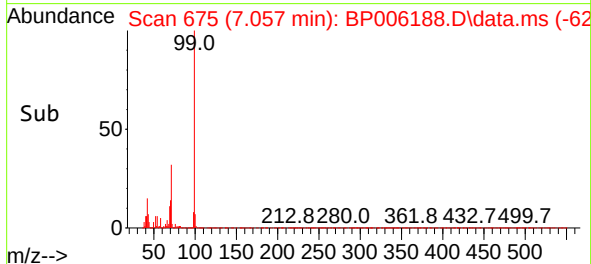
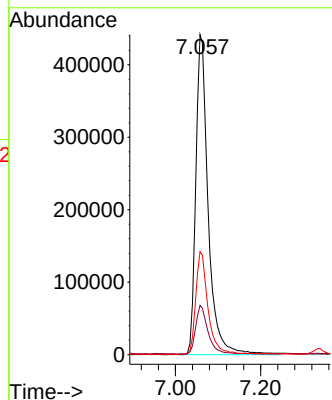
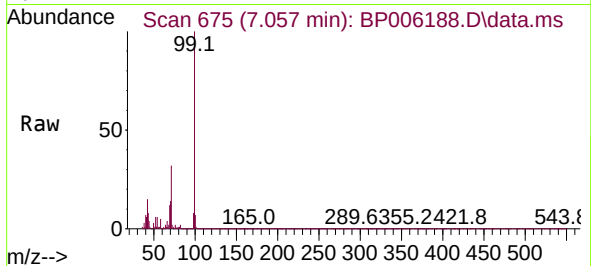




#7
Phenol-d6
Concen: 55.53 ng
RT: 7.057 min Scan# 675
Delta R.T. 0.012 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

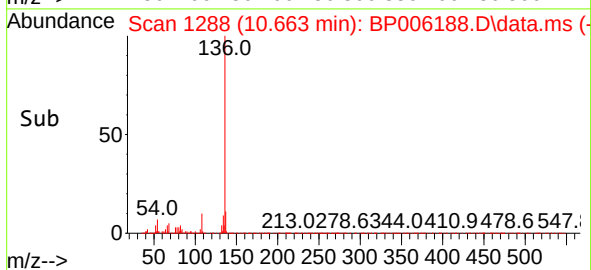
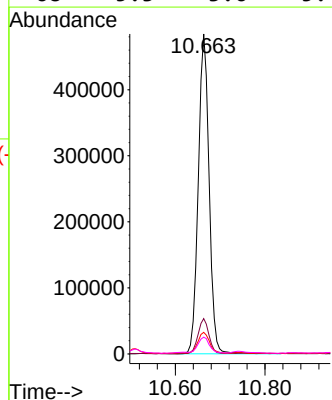
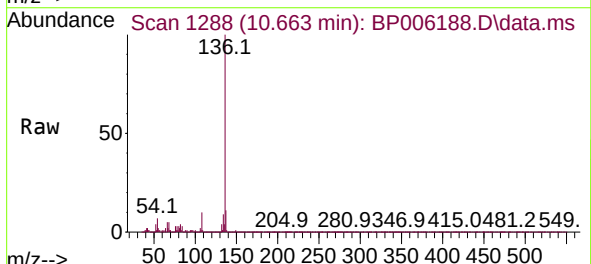
Instrument :
BNA_P
ClientSampleId :
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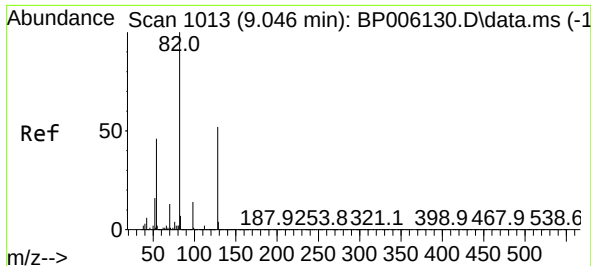
Tgt Ion: 99 Resp: 888166
Ion Ratio Lower Upper
99 100
42 15.4 13.4 20.0
71 32.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion: 136 Resp: 812516
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.8 4.6 6.8
68 5.3 3.6 5.4

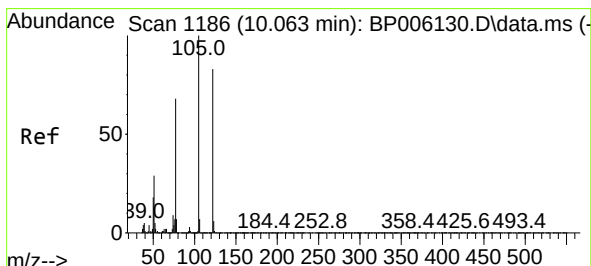
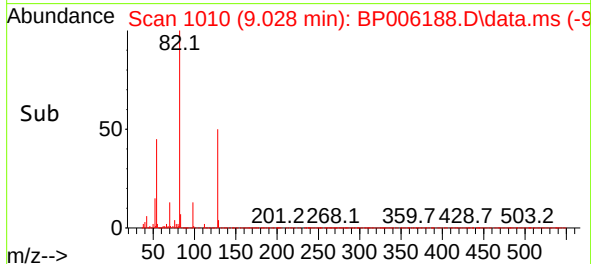
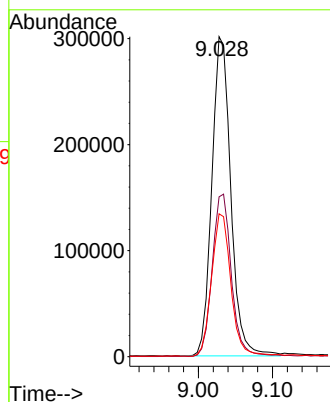
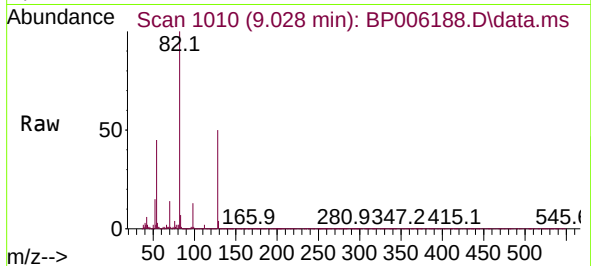




#23
Nitrobenzene-d5
Concen: 41.63 ng
RT: 9.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

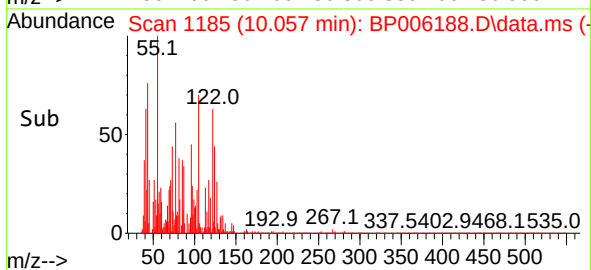
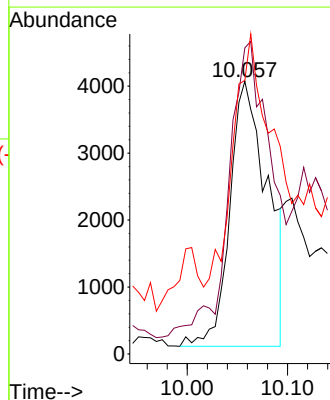
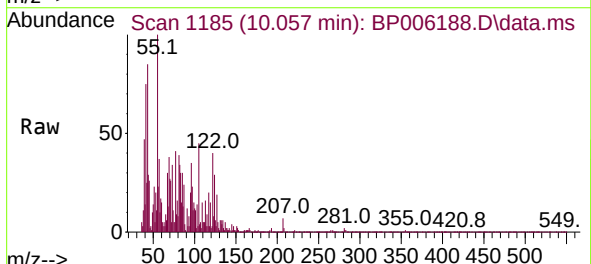
Instrument :
BNA_P
ClientSampleId :
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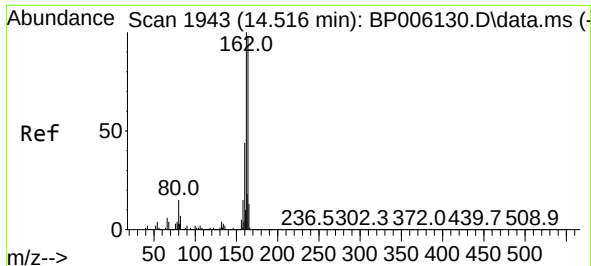
Tgt Ion: 82 Resp: 535478
Ion Ratio Lower Upper
82 100
128 50.0 35.7 53.5
54 44.7 35.0 52.4



#32
Benzoic acid
Concen: 8.00 ng
RT: 10.057 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:122 Resp: 10348
Ion Ratio Lower Upper
122 100
105 112.3 103.2 143.2
77 100.4 76.2 116.2

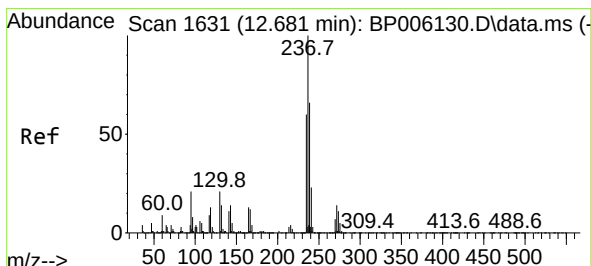
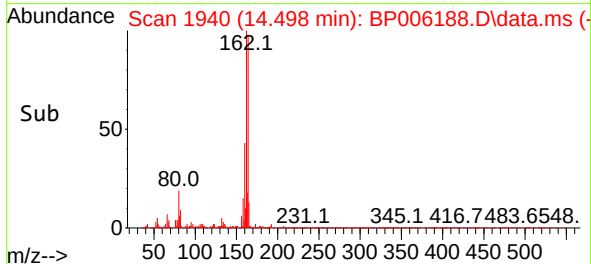
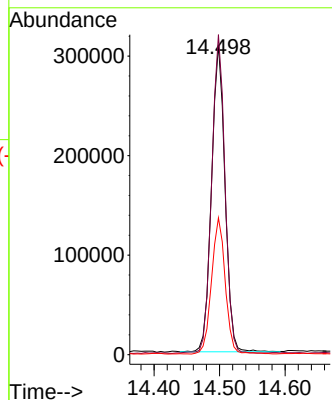
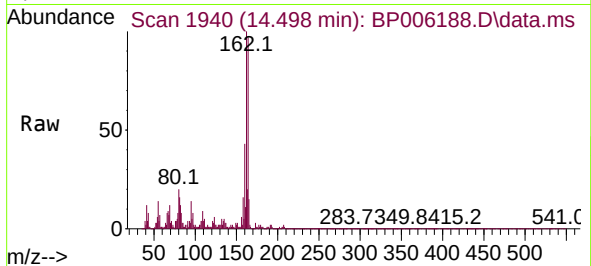




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

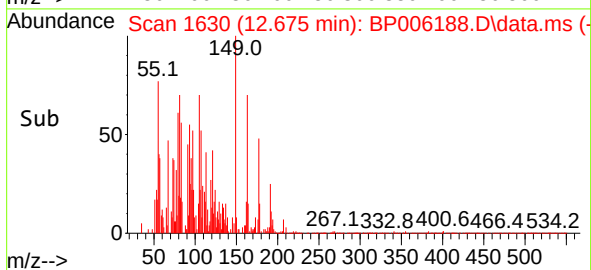
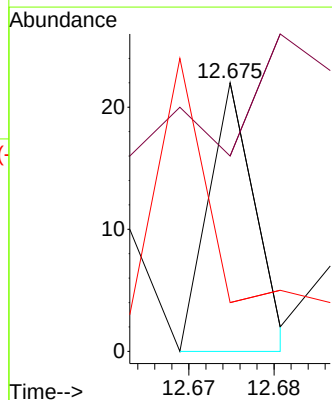
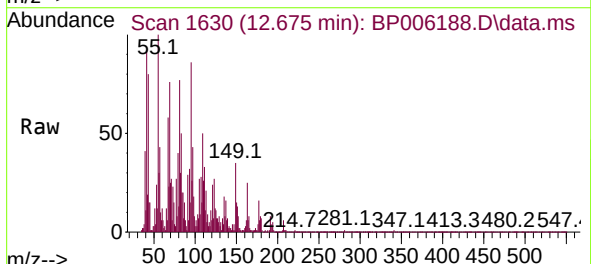
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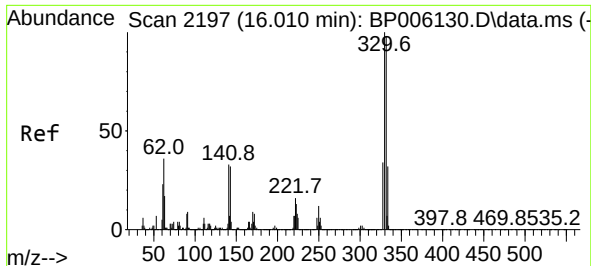
Tgt Ion:164 Resp: 441270
Ion Ratio Lower Upper
164 100
162 103.3 80.2 120.2
160 44.2 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.70 ng
RT: 12.675 min Scan# 1630
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:237 Resp: 8
Ion Ratio Lower Upper
237 100
235 72.7 44.5 84.5
272 18.2 0.0 32.5

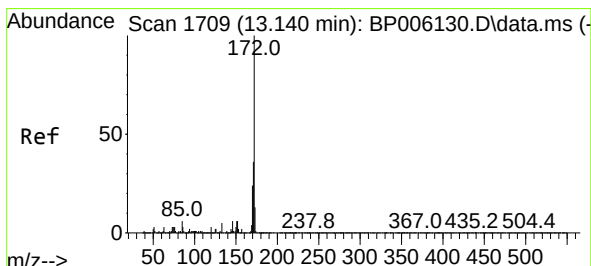
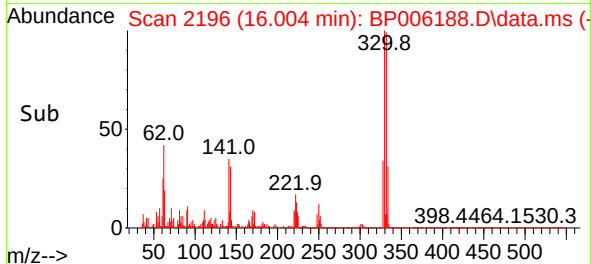
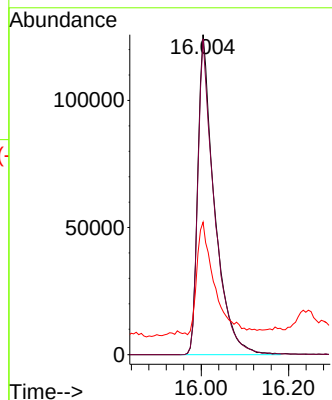
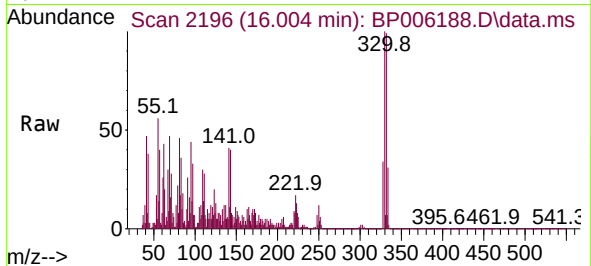




#42
2,4,6-Tribromophenol
Concen: 63.79 ng
RT: 16.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

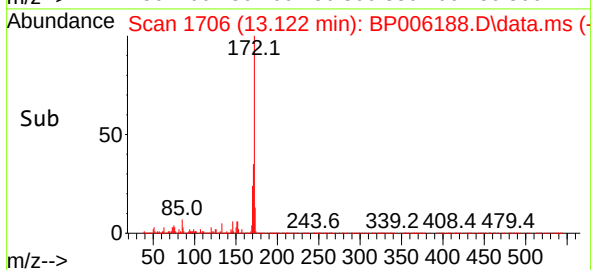
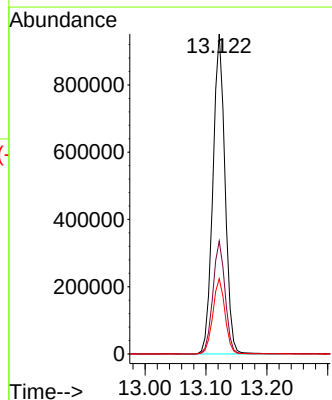
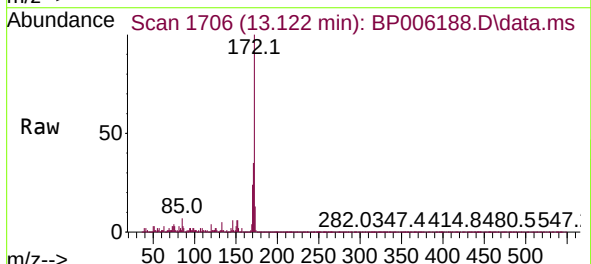
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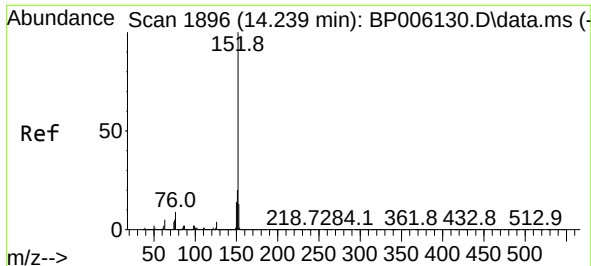
Tgt Ion:330 Resp: 335130
Ion Ratio Lower Upper
330 100
332 97.6 77.8 116.8
141 36.5 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 44.09 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:172 Resp: 1316109
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.5 18.6 27.8

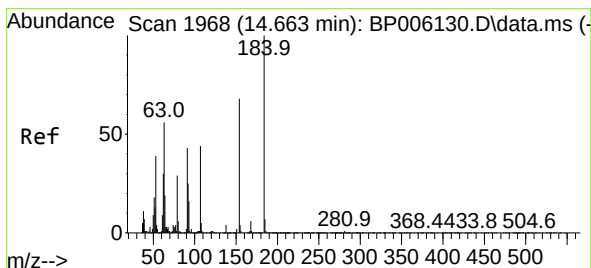
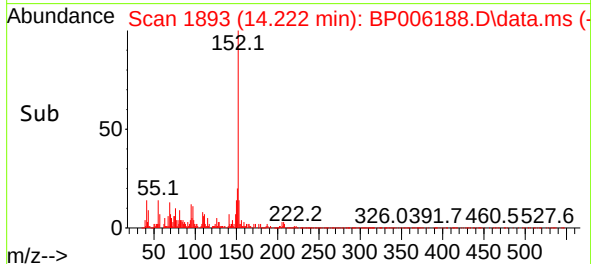
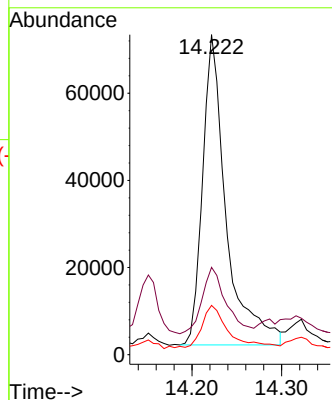
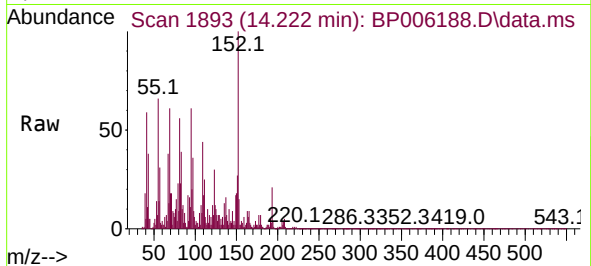




#49
Acenaphthylene
Concen: 3.17 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

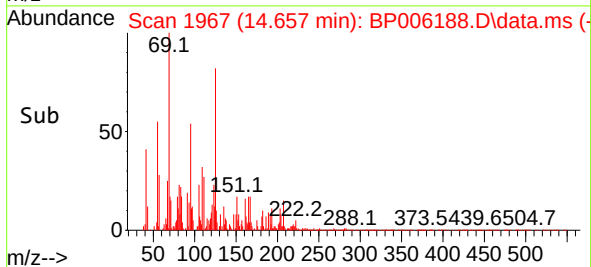
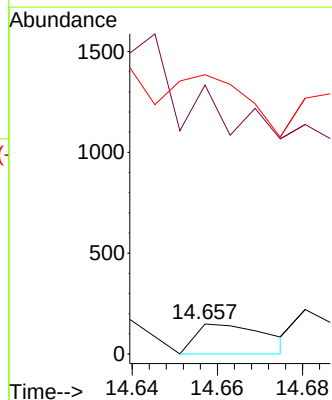
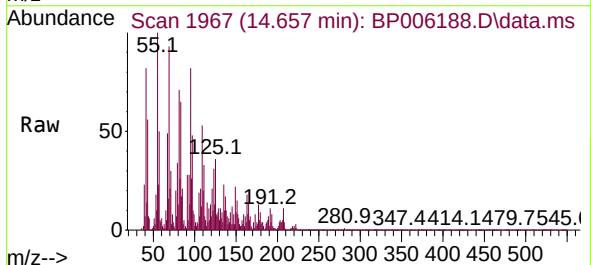
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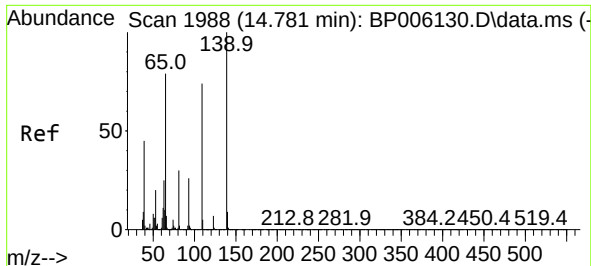
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Ion Ratio Lower Upper
152 100
151 27.3 16.2 24.2#
153 15.4 10.6 16.0



#54
2,4-Dinitrophenol
Concen: 8.92 ng
RT: 14.657 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:184 Resp: 172
Ion Ratio Lower Upper
184 100
63 901.4 47.0 70.6#
154 935.8 52.3 78.5#

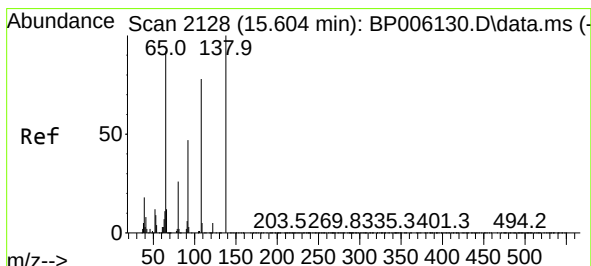
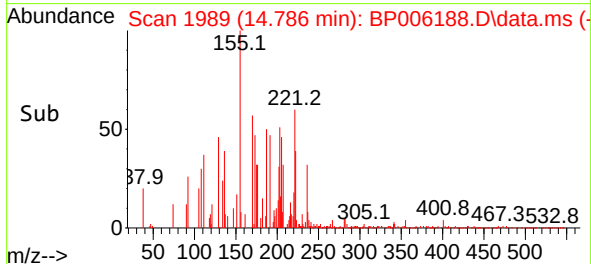
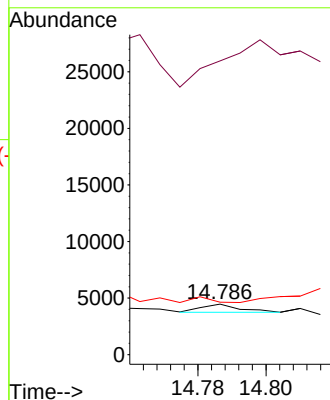
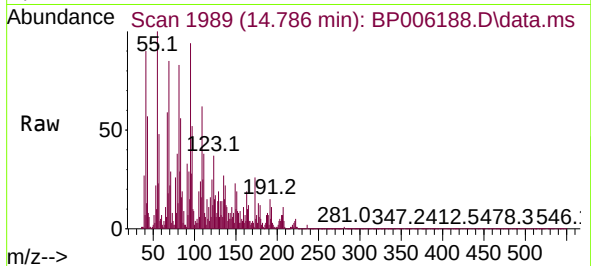




#56
4-Nitrophenol
Concen: 7.21 ng
RT: 14.786 min Scan# 1989
Delta R.T. 0.018 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

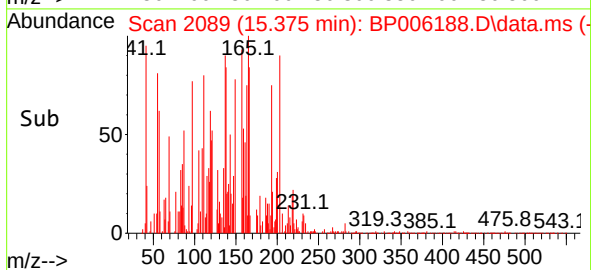
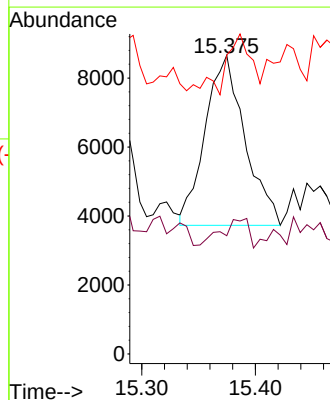
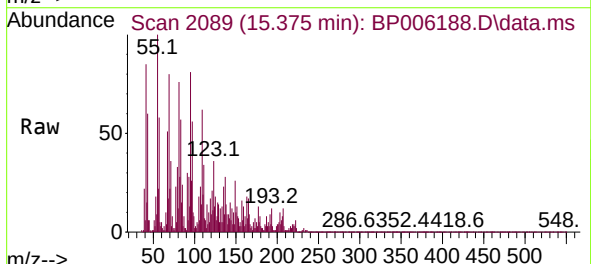
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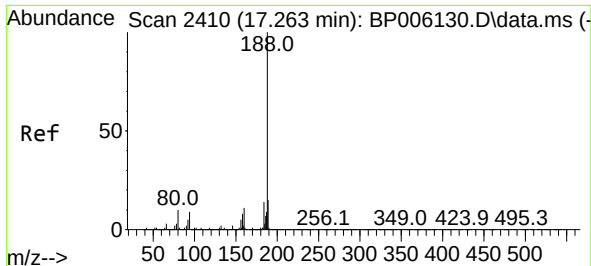
Tgt Ion:139 Resp: 552
Ion Ratio Lower Upper
139 100
109 580.8 72.3 112.3#
65 103.7 72.5 112.5



#62
4-Nitroaniline
Concen: 4.48 ng
RT: 15.375 min Scan# 2089
Delta R.T. -0.217 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:138 Resp: 11970
Ion Ratio Lower Upper
138 100
92 39.6 31.2 71.2
108 100.0 78.6 118.6

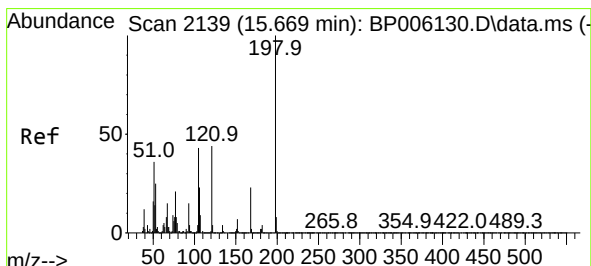
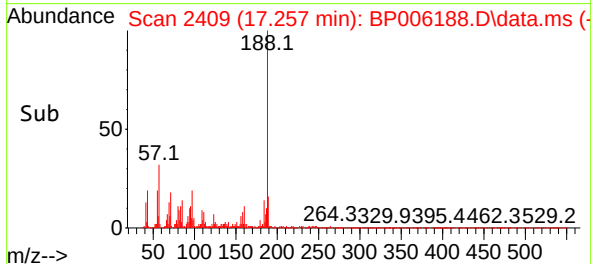
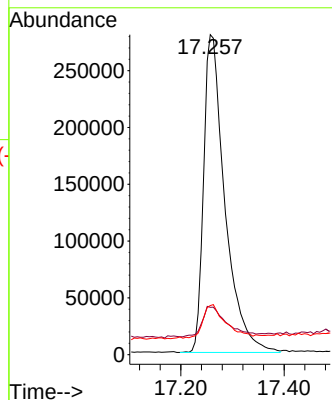
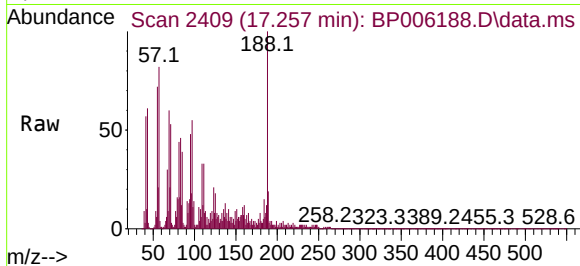




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

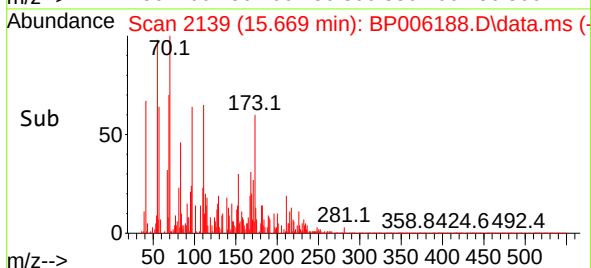
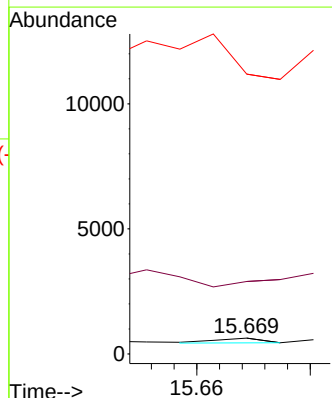
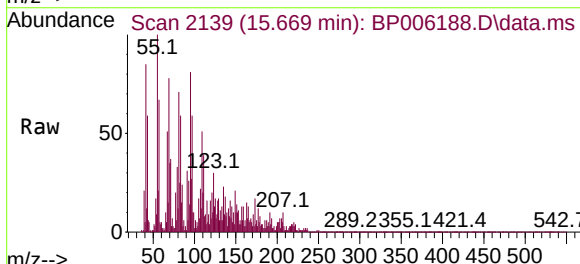
Instrument :
BNA_P
ClientSampleId :
RBR-200029

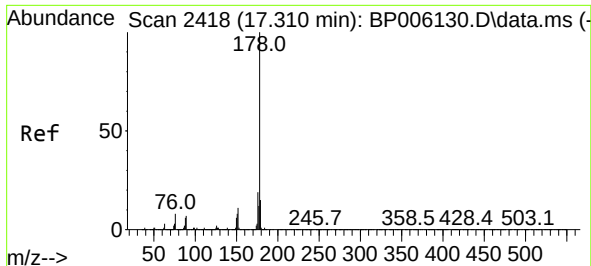
Tgt Ion:188 Resp: 799496
Ion Ratio Lower Upper
188 100
94 14.8 5.6 8.4#
80 15.4 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.44 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.012 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 456.4 14.0 54.0#
105 1761.6 19.5 59.5#

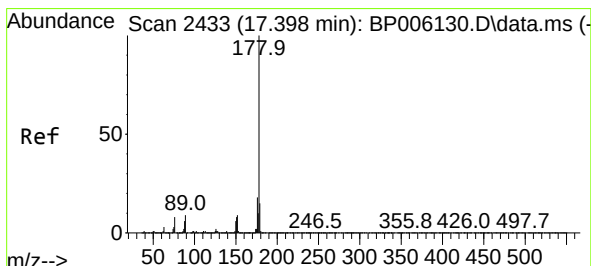
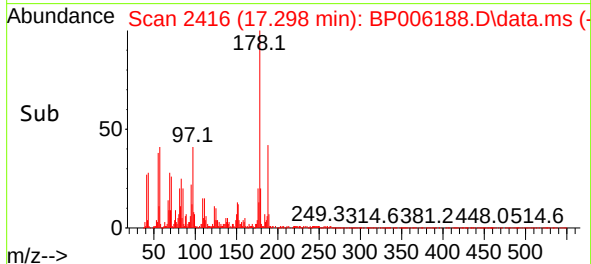
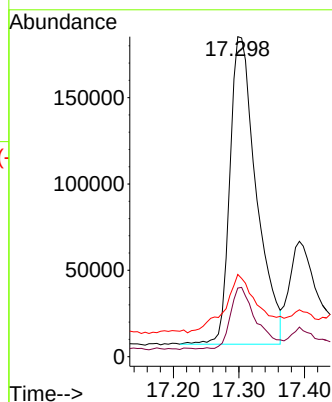
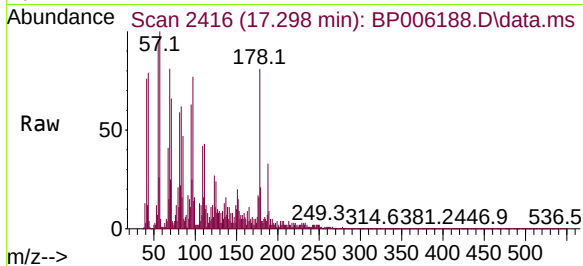




#71
Phenanthrene
Concen: 11.09 ng
RT: 17.298 min Scan# 2416
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

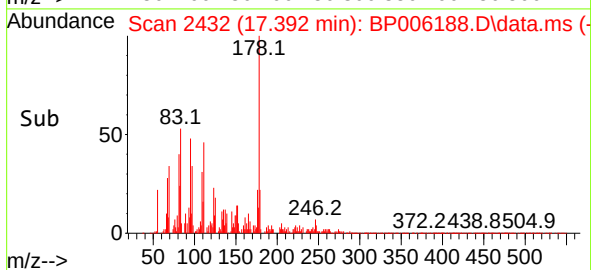
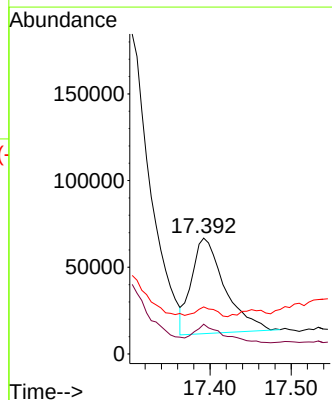
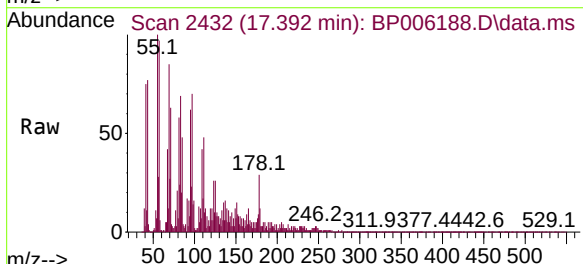
Instrument :
BNA_P
ClientSampleId :
RBR-200029

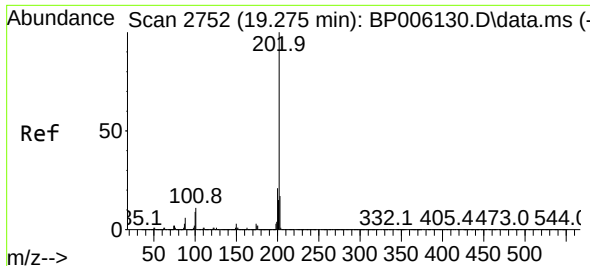
Tgt Ion:178 Resp: 500634
Ion Ratio Lower Upper
178 100
176 21.5 15.1 22.7
179 25.7 12.4 18.6#



#72
Anthracene
Concen: 3.55 ng
RT: 17.392 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:178 Resp: 157046
Ion Ratio Lower Upper
178 100
176 25.7 14.9 22.3#
179 40.6 12.2 18.2#

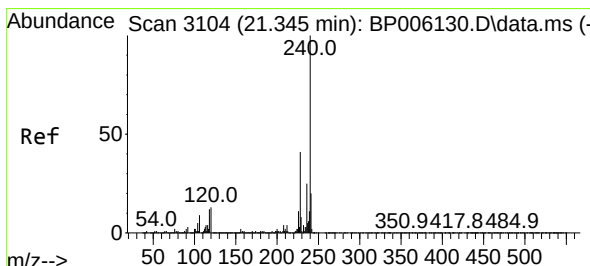
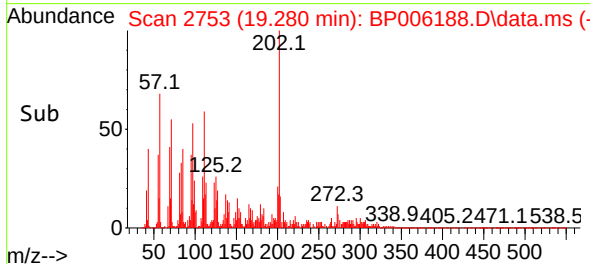
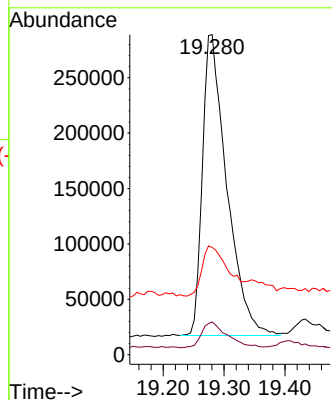
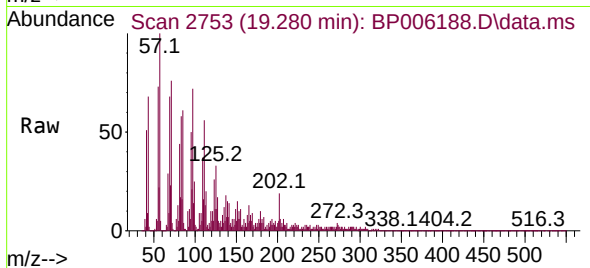




#75
Fluoranthene
Concen: 15.25 ng
RT: 19.280 min Scan# 2753
Delta R.T. 0.024 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

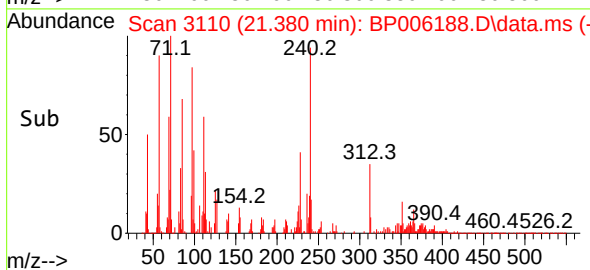
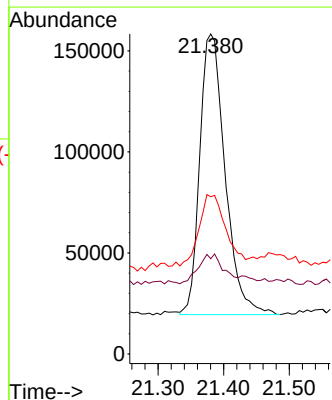
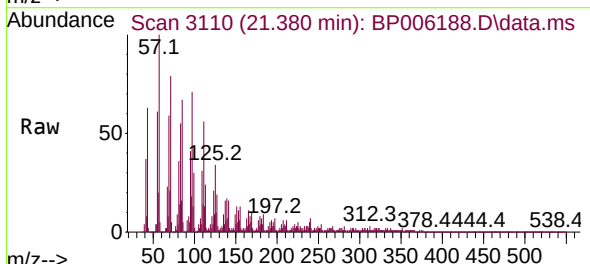
Instrument :
BNA_P
ClientSampleId :
RBR-200029

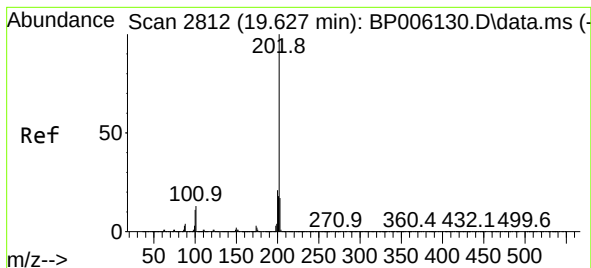
Tgt Ion:202 Resp: 754525
Ion Ratio Lower Upper
202 100
101 10.3 0.0 27.6
203 33.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.053 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:240 Resp: 373028
Ion Ratio Lower Upper
240 100
120 29.7 6.5 9.7#
236 49.2 20.6 31.0#





#78

Pyrene

Concen: 24.06 ng

RT: 19.633 min Scan# 2813

Delta R.T. 0.024 min

Lab File: BP006188.D

Acq: 12 Jul 2021 19:04

Tgt Ion:202 Resp: 606523

Ion Ratio Lower Upper

202 100

200 23.1 16.3 24.5

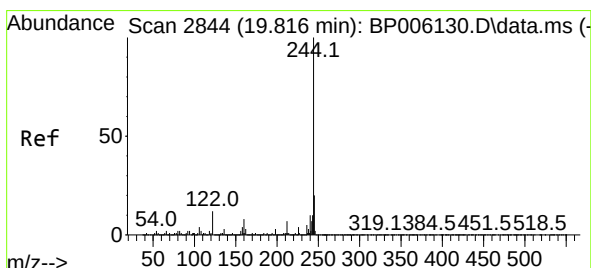
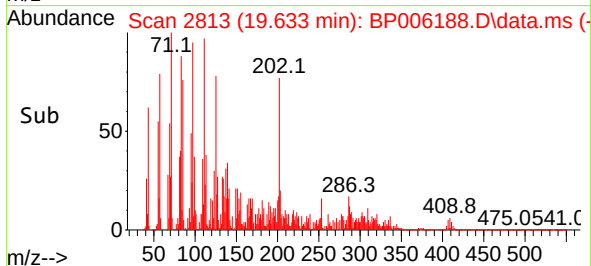
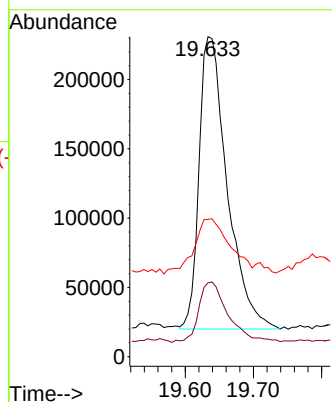
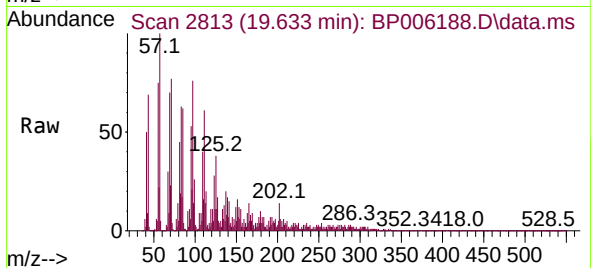
203 42.9 14.2 21.2#

Instrument :

BNA_P

ClientSampleId :

RBR-200029



#79

Terphenyl-d14

Concen: 72.81 ng

RT: 19.827 min Scan# 2846

Delta R.T. 0.024 min

Lab File: BP006188.D

Acq: 12 Jul 2021 19:04

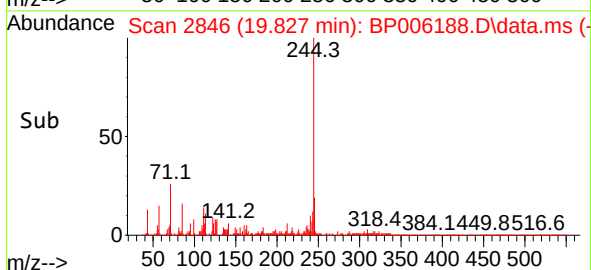
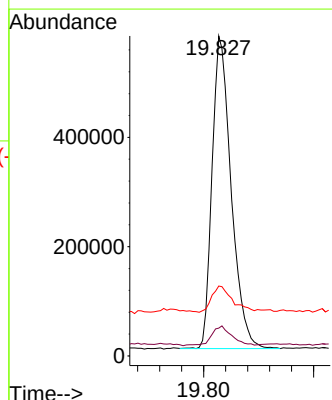
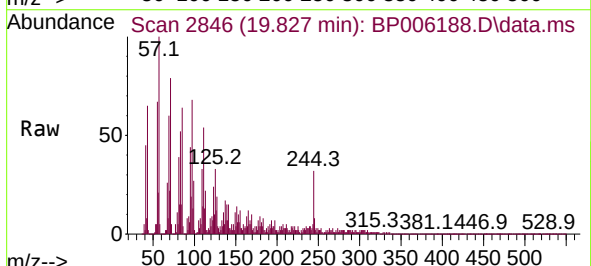
Tgt Ion:244 Resp: 1377464

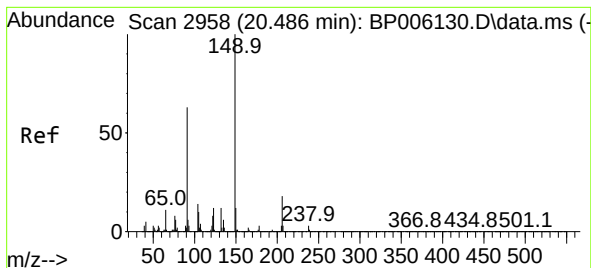
Ion Ratio Lower Upper

244 100

212 8.7 6.0 9.0

122 21.8 7.1 10.7#

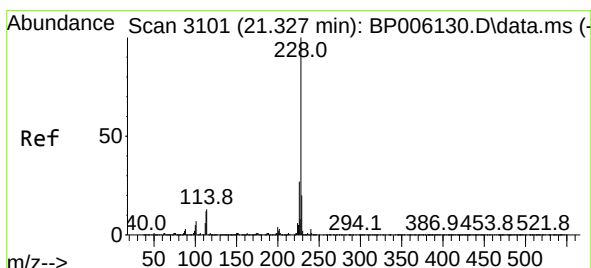
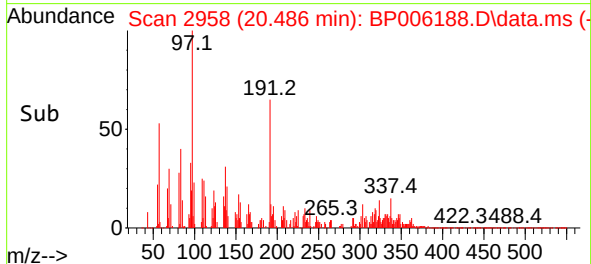
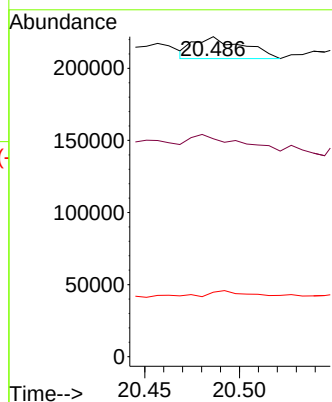
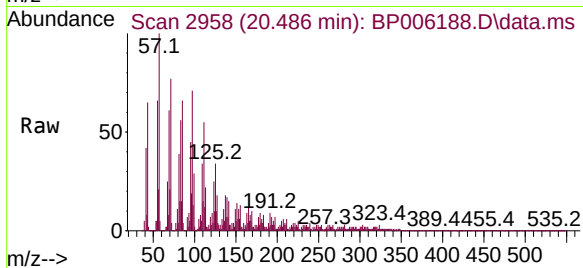




#80
Butylbenzylphthalate
Concen: 2.19 ng
RT: 20.486 min Scan# 2958
Delta R.T. 0.012 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

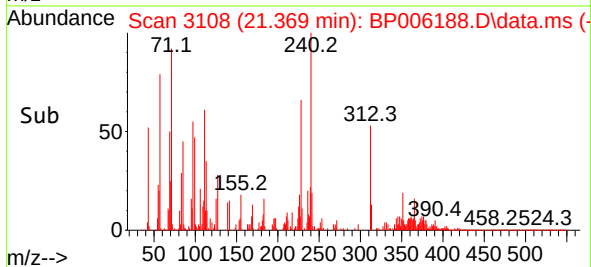
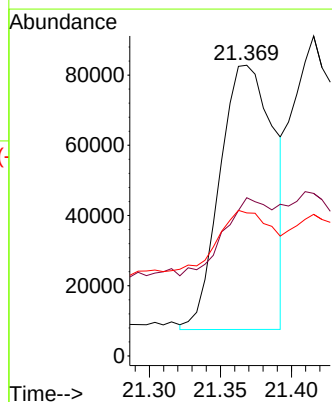
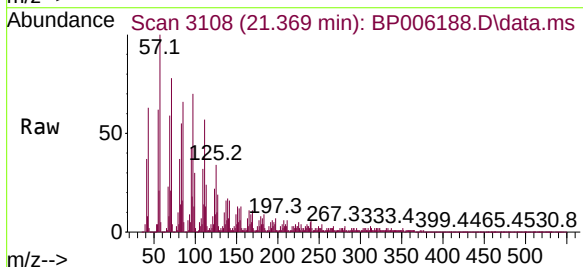
Instrument :
BNA_P
ClientSampleId :
RBR-200029

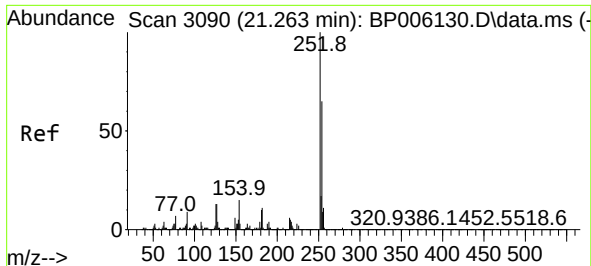
Tgt Ion:149 Resp: 27441
Ion Ratio Lower Upper
149 100
91 68.1 54.6 81.8
206 20.2 16.7 25.1



#81
Benzo(a)anthracene
Concen: 8.42 ng
RT: 21.369 min Scan# 3108
Delta R.T. 0.053 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:228 Resp: 198645
Ion Ratio Lower Upper
228 100
226 54.4 21.6 32.4#
229 49.2 15.8 23.6#

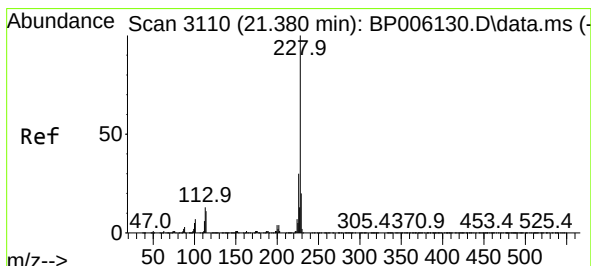
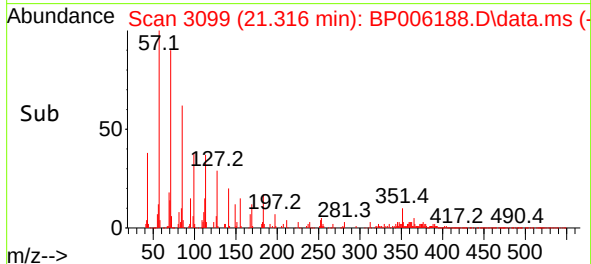
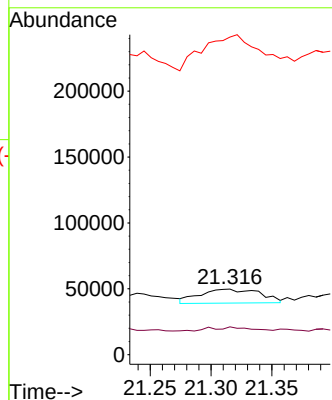
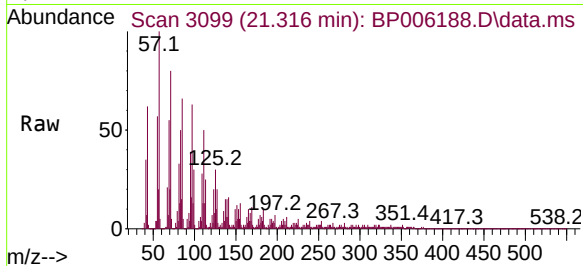




#82
3,3'-Dichlorobenzidine
Concen: 5.29 ng
RT: 21.316 min Scan# 3099
Delta R.T. 0.071 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

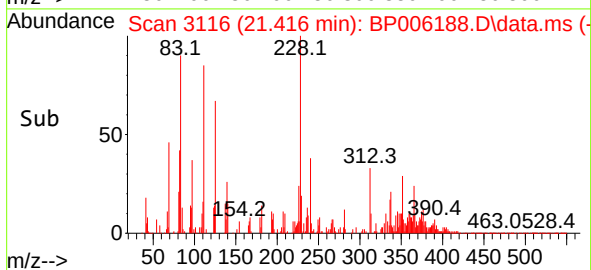
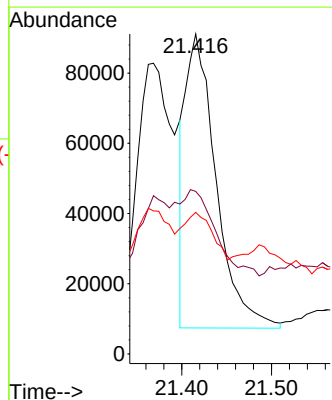
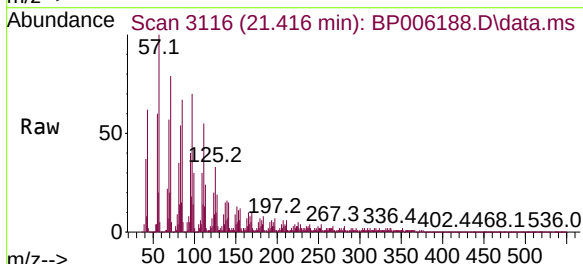
Instrument :
BNA_P
ClientSampleId :
RBR-200029

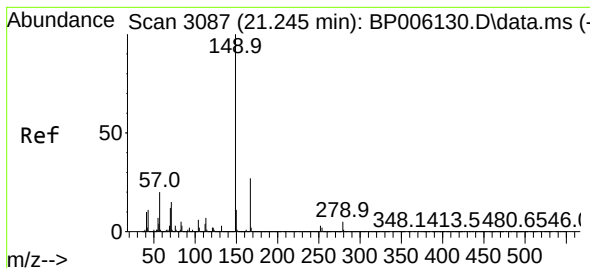
Tgt Ion:252 Resp: 36588
Ion Ratio Lower Upper
252 100
254 42.4 50.6 76.0#
126 484.1 7.0 10.6#



#83
Chrysene
Concen: 8.55 ng
RT: 21.416 min Scan# 3116
Delta R.T. 0.047 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:228 Resp: 199337
Ion Ratio Lower Upper
228 100
226 50.8 23.8 35.6#
229 44.2 15.4 23.2#

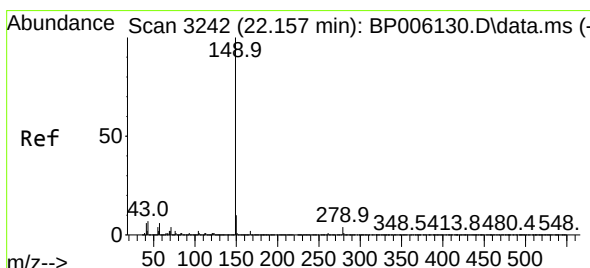
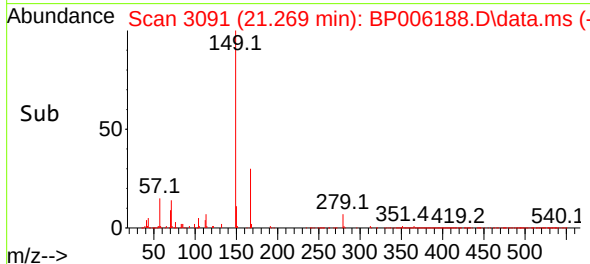
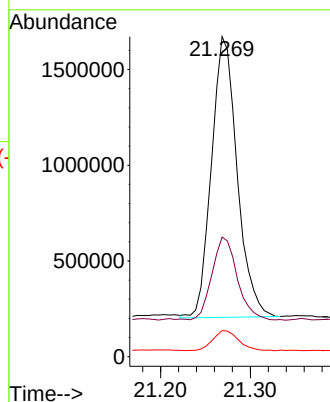
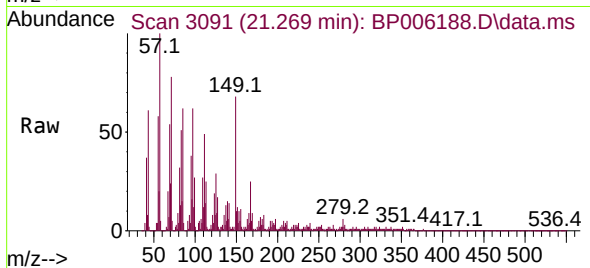




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 157.78 ng
 RT: 21.269 min Scan# 3091
 Delta R.T. 0.041 min
 Lab File: BP006188.D
 Acq: 12 Jul 2021 19:04

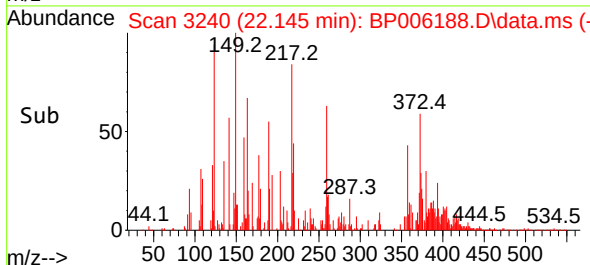
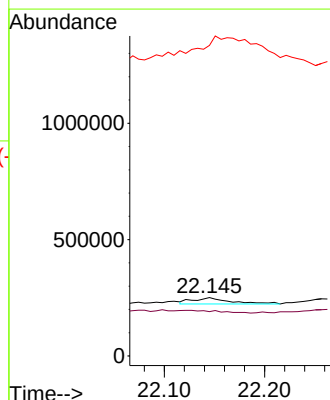
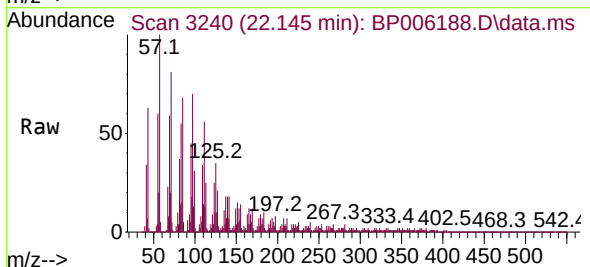
Instrument :
 BNA_P
 ClientSampleId :
 RBR-200029

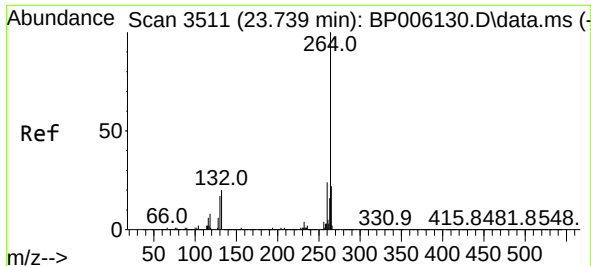
Tgt Ion:149 Resp: 2912486
 Ion Ratio Lower Upper
 149 100
 167 37.4 21.9 32.9#
 279 8.2 4.3 6.5#



#85
 Di-n-octyl phthalate
 Concen: 2.10 ng
 RT: 22.145 min Scan# 3240
 Delta R.T. 0.012 min
 Lab File: BP006188.D
 Acq: 12 Jul 2021 19:04

Tgt Ion:149 Resp: 68352
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 693.6 5.6 8.4#

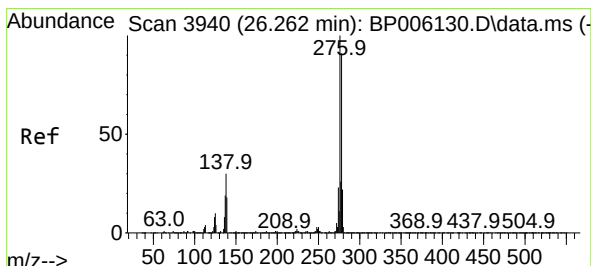
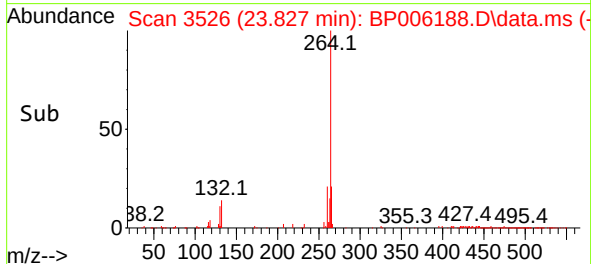
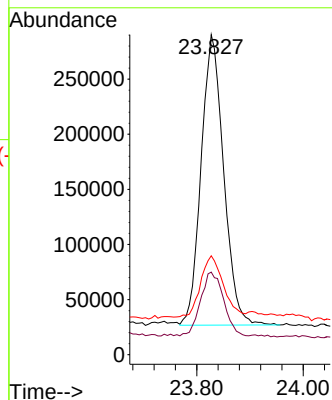
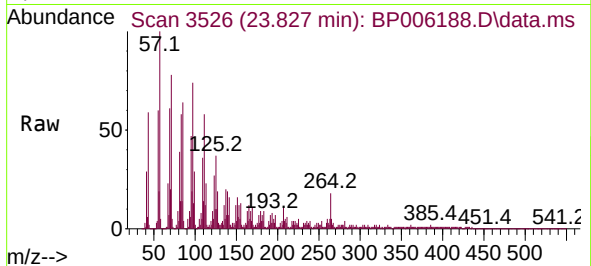




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.827 min Scan# 3526
Delta R.T. 0.112 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

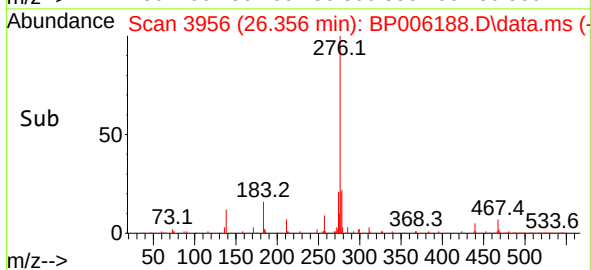
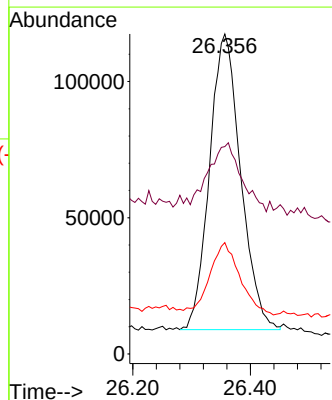
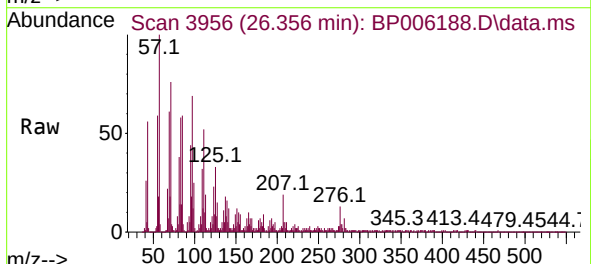
Instrument :
BNA_P
ClientSampleID :
RBR-200029

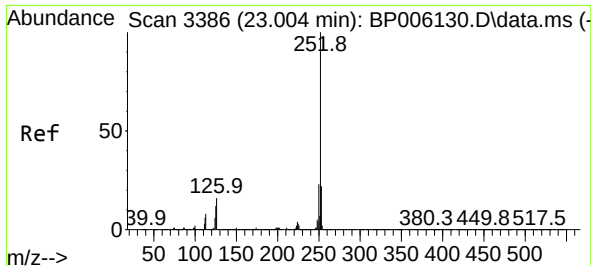
Tgt Ion:264 Resp: 774017
Ion Ratio Lower Upper
264 100
260 25.8 18.6 28.0
265 30.9 17.6 26.4#



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.00 ng
RT: 26.356 min Scan# 3956
Delta R.T. 0.124 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:276 Resp: 399664
Ion Ratio Lower Upper
276 100
138 24.6 15.3 22.9#
277 24.0 20.4 30.6

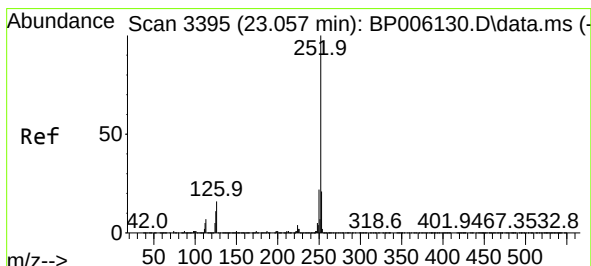
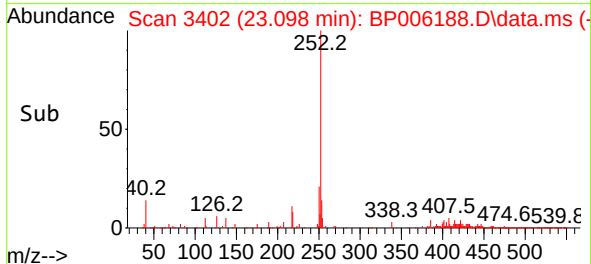
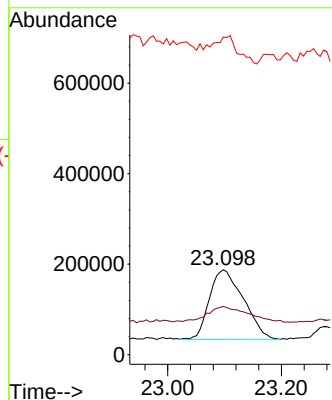
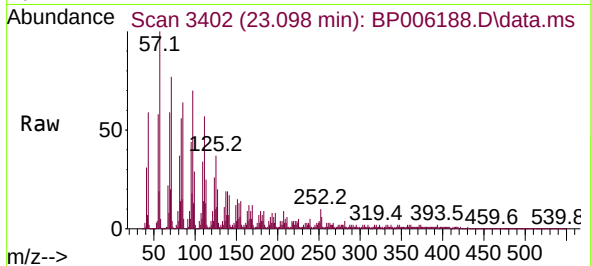




#88
Benzo(b)fluoranthene
Concen: 13.71 ng
RT: 23.098 min Scan# 3402
Delta R.T. 0.112 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

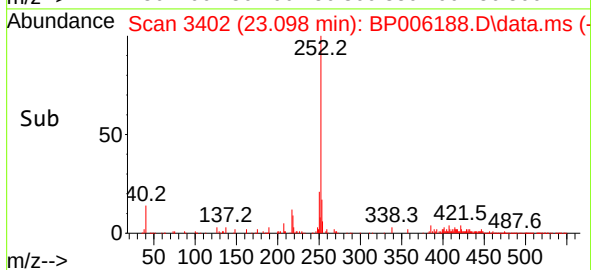
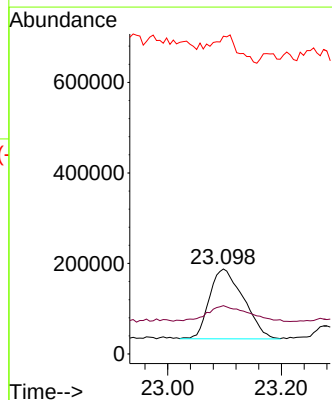
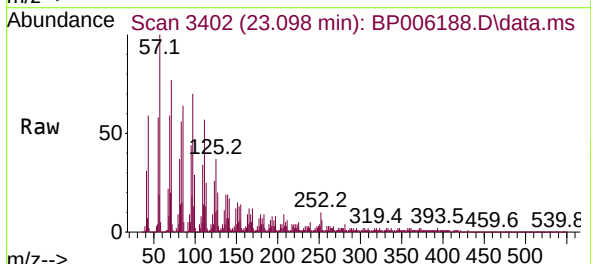
Instrument :
BNA_P
ClientSampleId :
RBR-200029

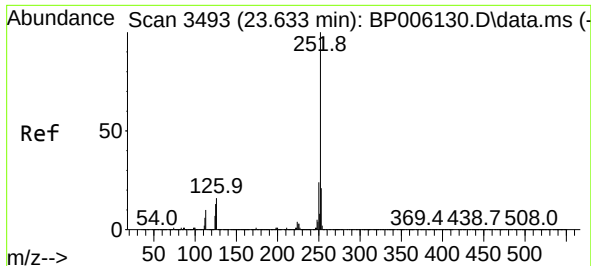
Tgt Ion:252 Resp: 643919
Ion Ratio Lower Upper
252 100
253 56.9 17.5 26.3#
125 373.7 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 14.03 ng
RT: 23.098 min Scan# 3402
Delta R.T. 0.065 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

Tgt Ion:252 Resp: 643919
Ion Ratio Lower Upper
252 100
253 56.9 17.6 26.4#
125 373.7 6.0 9.0#

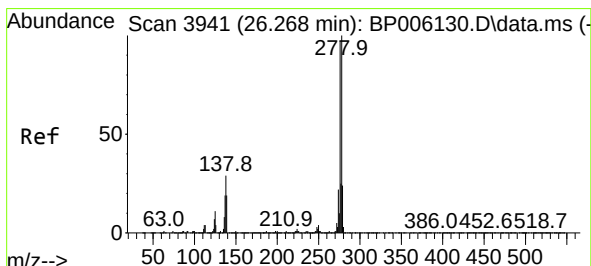
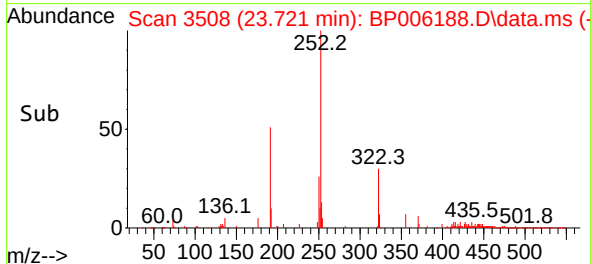
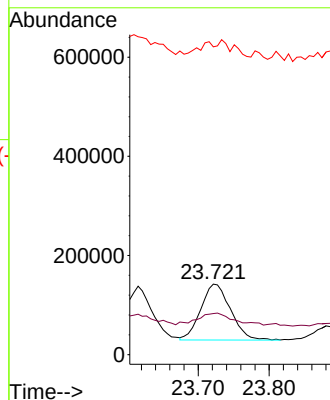
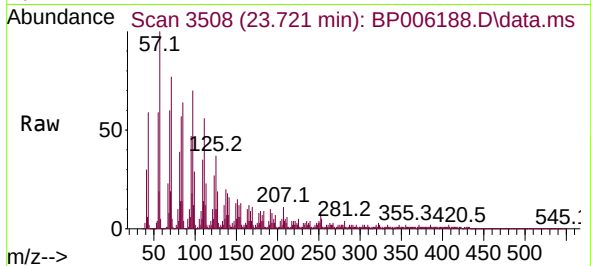




#90
Benzo(a)pyrene
Concen: 7.46 ng
RT: 23.721 min Scan# 3508
Delta R.T. 0.112 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

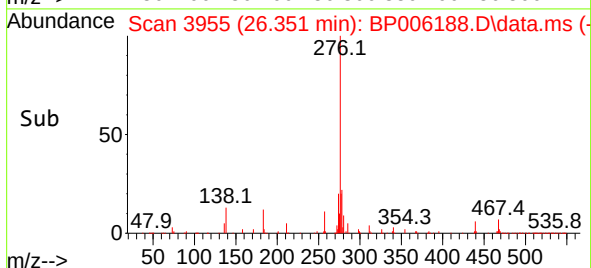
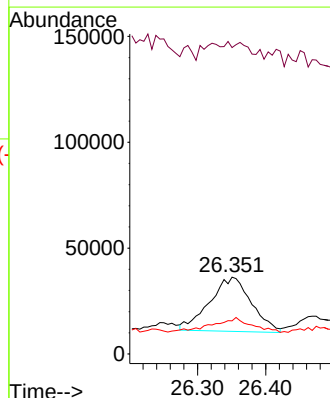
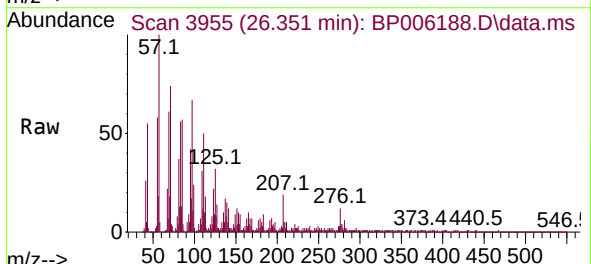
Instrument :
BNA_P
ClientSampleId :
RBR-200029

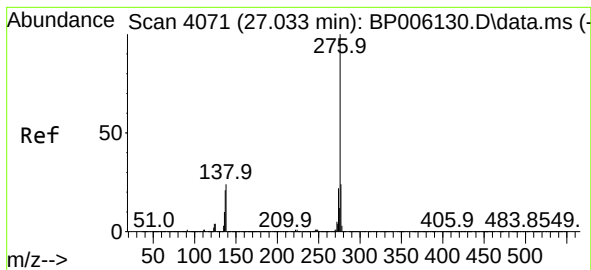
Tgt Ion:252 Resp: 328532
Ion Ratio Lower Upper
252 100
253 58.2 17.9 26.9#
125 436.4 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 2.22 ng
RT: 26.351 min Scan# 3955
Delta R.T. 0.112 min
Lab File: BP006188.D
Acq: 12 Jul 2021 19:04

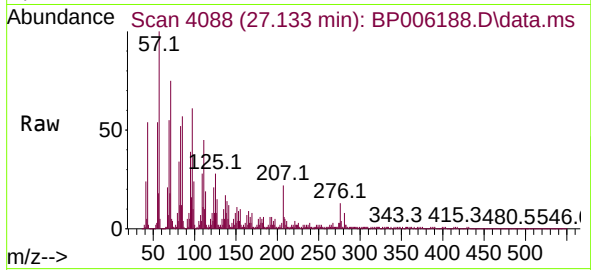
Tgt Ion:278 Resp: 108943
Ion Ratio Lower Upper
278 100
139 399.2 9.3 13.9#
279 43.2 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 8.39 ng
 RT: 27.133 min Scan# 4088
 Delta R.T. 0.130 min
 Lab File: BP006188.D
 Acq: 12 Jul 2021 19:04

Instrument :
 BNA_P
 ClientSampleId :
 RBR-200029



Tgt Ion:276 Resp: 405777

Ion	Ratio	Lower	Upper
276	100		
277	32.9	18.9	28.3#
138	60.9	12.6	18.8#

