

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062421\
 Data File : BP006060.D
 Acq On : 24 Jun 2021 19:11
 Operator : CG/JU
 Sample : M2795-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B3-0-2

Quant Time: Jun 25 01:11:11 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 22 17:52:38 2021
 Response via : Initial Calibration

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

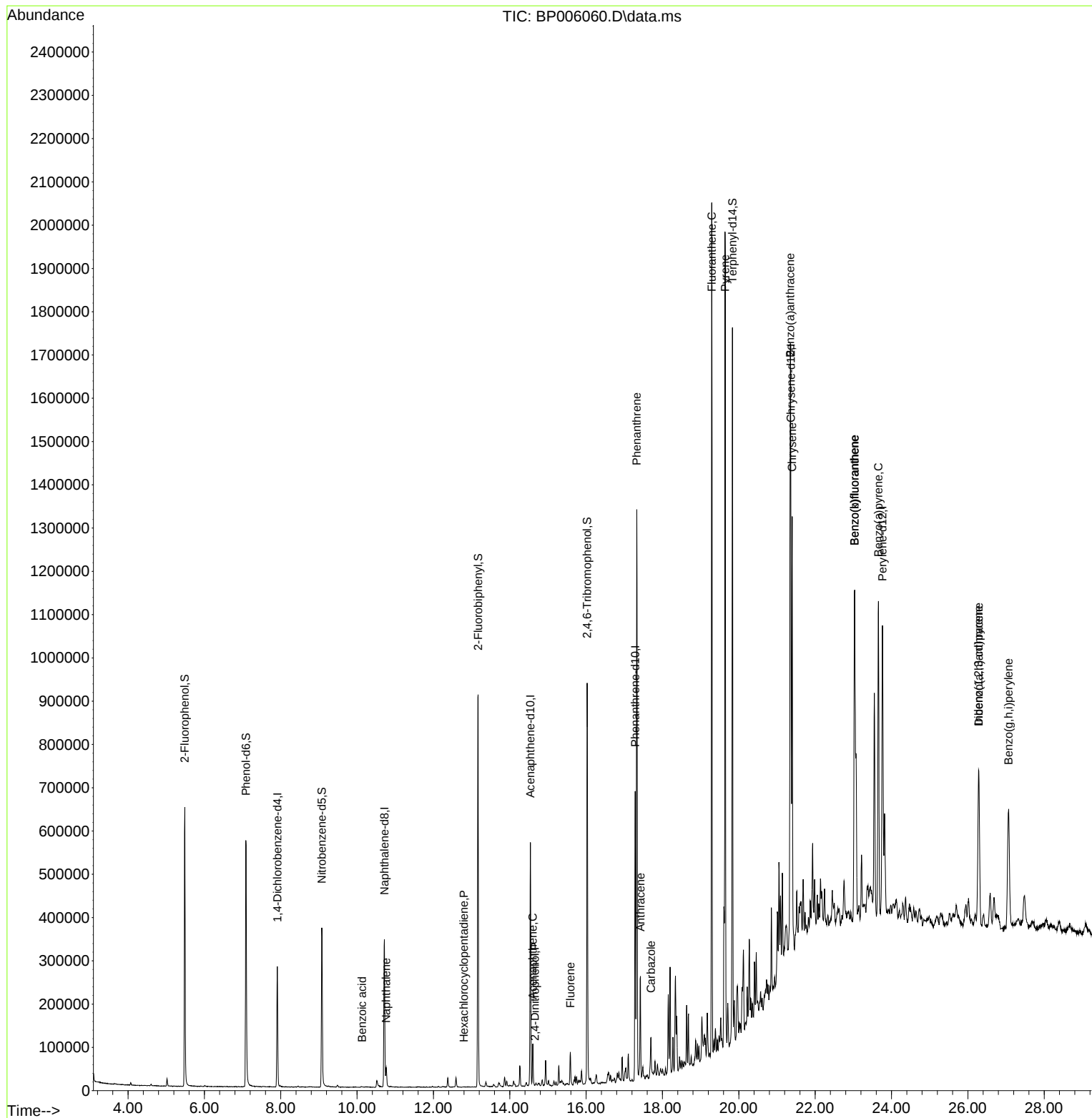
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	79733	20.00	ng	-0.01
21) Naphthalene-d8	10.716	136	300775	20.00	ng	0.00
39) Acenaphthene-d10	14.540	164	188626	20.00	ng	-0.01
64) Phenanthrene-d10	17.287	188	390546	20.00	ng	0.00
76) Chrysene-d12	21.363	240	444967	20.00	ng	0.00
86) Perylene-d12	23.763	264	511799	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	304634	61.31	ng	0.00
7) Phenol-d6	7.087	99	377145	58.56	ng	0.00
23) Nitrobenzene-d5	9.075	82	236673	38.58	ng	-0.01
42) 2,4,6-Tribromophenol	16.028	330	191941	59.30	ng	-0.01
45) 2-Fluorobiphenyl	13.169	172	486725	33.88	ng	0.00
79) Terphenyl-d14	19.833	244	726331	30.57	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.763	128	36193	2.08	ng	99
32) Benzoic acid	10.134	122	90	6.34	ng	85
41) Hexachlorocyclopentadiene	12.799	237	11	5.51	ng	74
52) Acenaphthene	14.604	154	34668	3.00	ng	97
54) 2,4-Dinitrophenol	14.657	184	12	4.85	ng	# 1
58) Fluorene	15.587	166	32726	2.21	ng	99
71) Phenanthrene	17.328	178	787349	33.57	ng	100
72) Anthracene	17.422	178	153511	6.65	ng	99
73) Carbazole	17.698	167	58740	2.65	ng	97
75) Fluoranthene	19.292	202	1134032	39.81	ng	98
78) Pyrene	19.639	202	1124119	36.19	ng	99
81) Benzo(a)anthracene	21.345	228	599380	18.66	ng	99
83) Chrysene	21.398	228	545102	17.52	ng	97
87) Indeno(1,2,3-cd)pyrene	26.280	276	392863	8.98	ng	98
88) Benzo(b)fluoranthene	23.033	252	744156	21.23	ng	98
89) Benzo(k)fluoranthene	23.033	252	744156	21.89	ng	98
90) Benzo(a)pyrene	23.657	252	579371	17.58	ng	98
91) Dibenzo(a,h)anthracene	26.286	278	104877	2.78	ng	# 85
92) Benzo(g,h,i)perylene	27.068	276	409669	11.01	ng	97

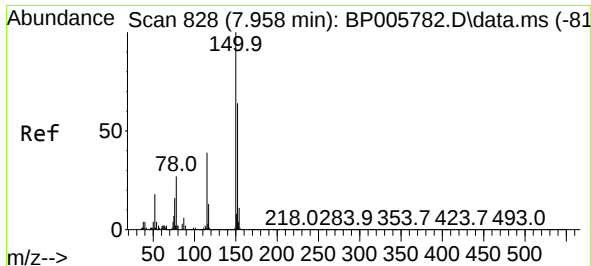
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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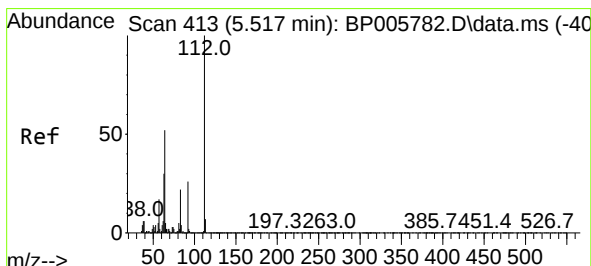
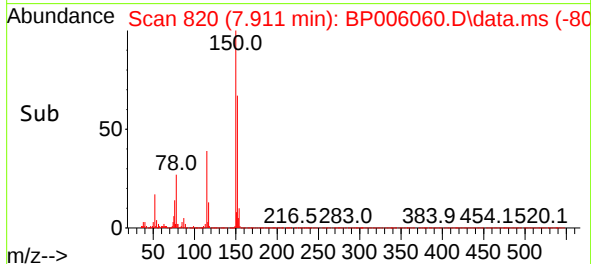
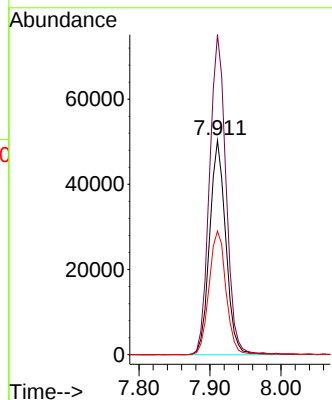
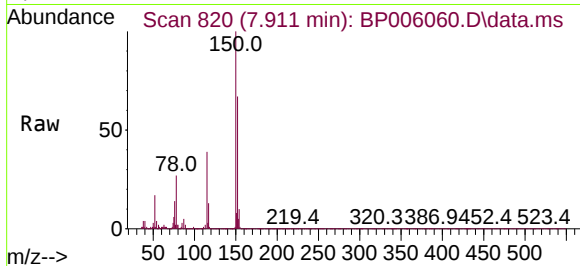




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.911 min Scan# 820
Delta R.T. -0.011 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

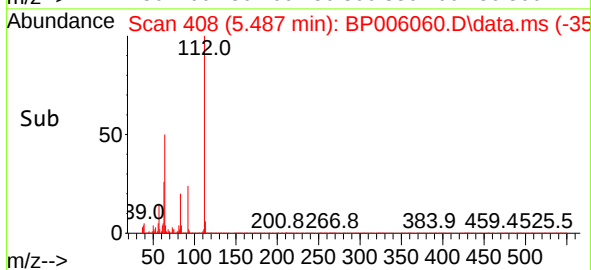
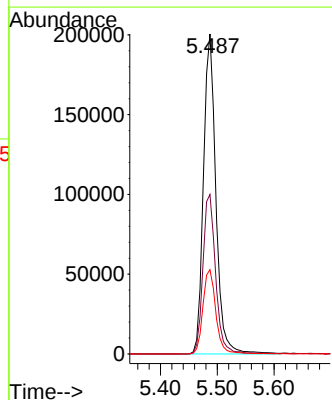
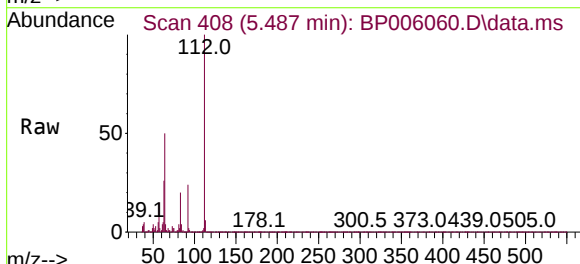
Instrument :
BNA_P
ClientSampled :
B3-0-2

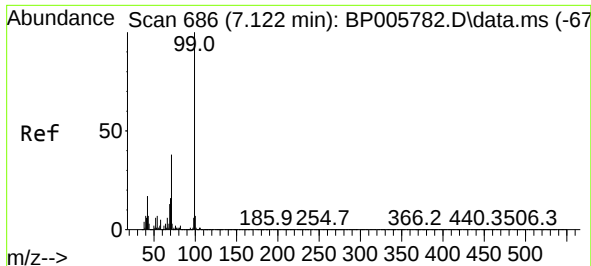
Tgt Ion:152 Resp: 79733
Ion Ratio Lower Upper
152 100
150 149.3 125.6 188.4
115 57.7 48.5 72.7



#5
2-Fluorophenol
Concen: 61.31 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.000 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:112 Resp: 304634
Ion Ratio Lower Upper
112 100
64 49.8 41.4 62.2
63 26.3 23.8 35.8

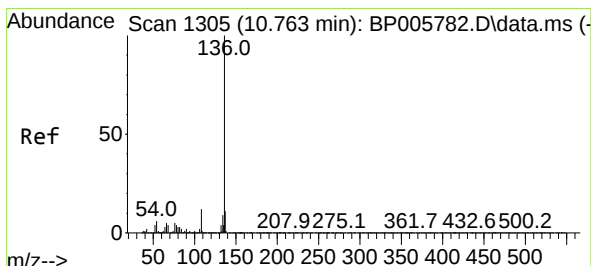
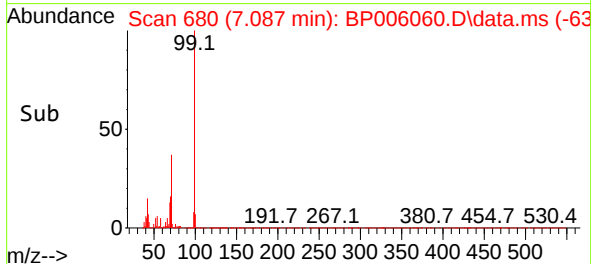
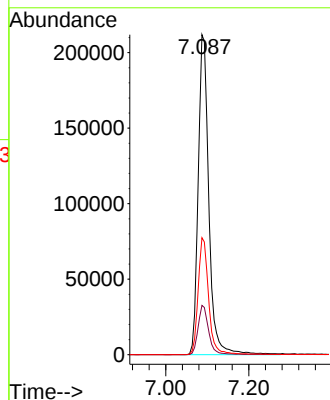
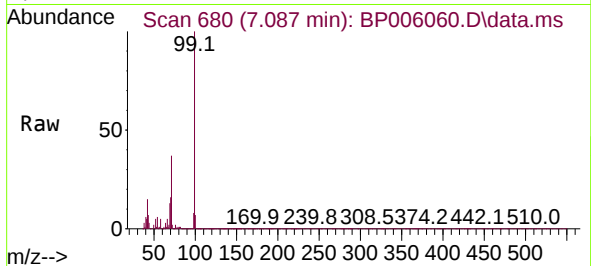




#7
Phenol-d6
Concen: 58.56 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

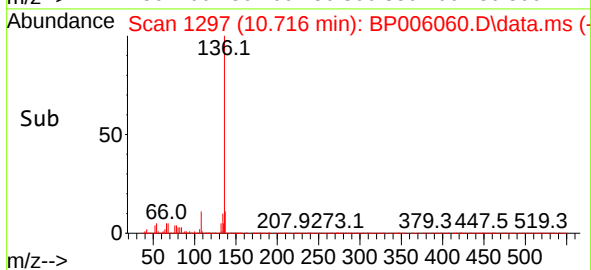
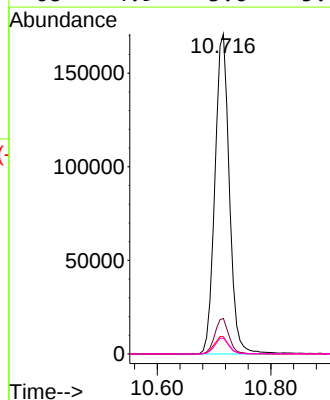
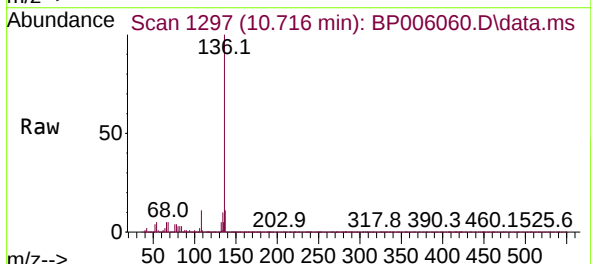
Instrument :
BNA_P
ClientSampled :
B3-0-2

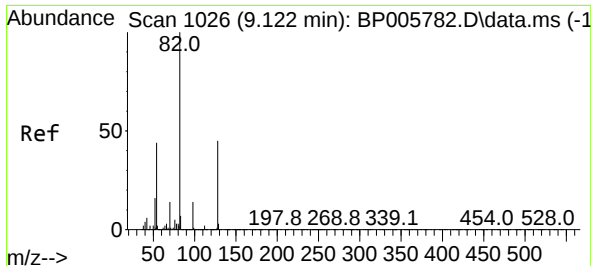
Tgt Ion: 99 Resp: 377145
Ion Ratio Lower Upper
99 100
42 15.4 13.4 20.0
71 36.6 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion: 136 Resp: 300775
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 5.4 4.6 6.8
68 4.9 3.6 5.4

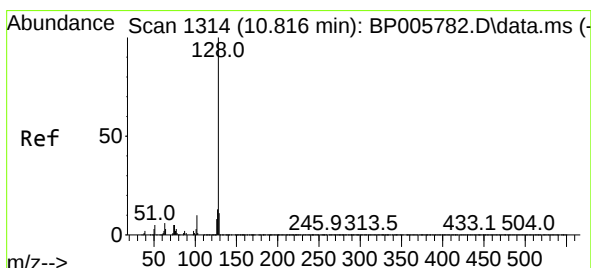
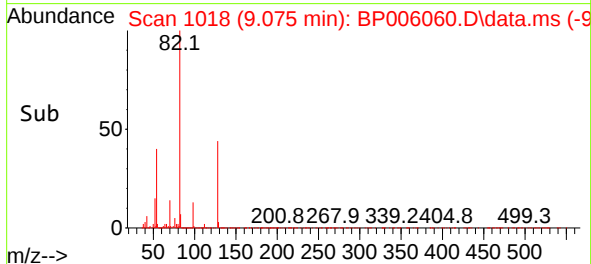
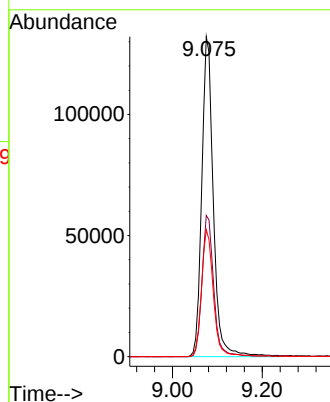
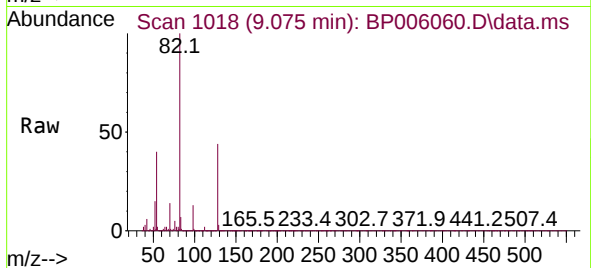




#23
Nitrobenzene-d5
Concen: 38.58 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

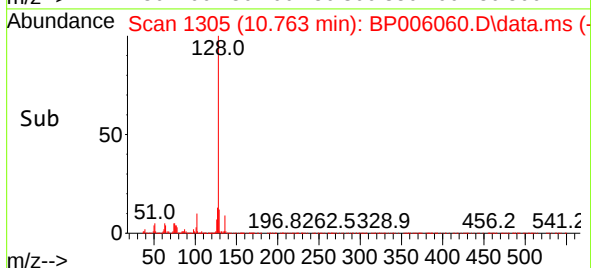
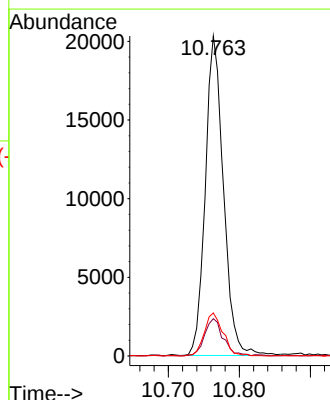
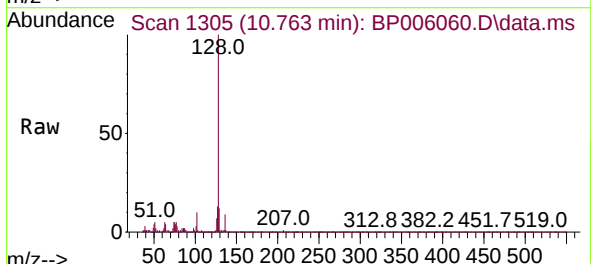
Instrument :
BNA_P
ClientSampled :
B3-0-2

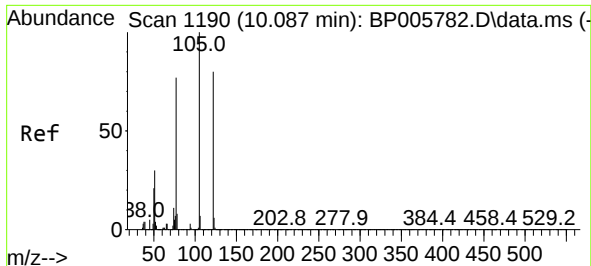
Tgt Ion: 82 Resp: 236673
Ion Ratio Lower Upper
82 100
128 44.1 35.7 53.5
54 39.7 35.0 52.4



#31
Naphthalene
Concen: 2.08 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion: 128 Resp: 36193
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.5 10.7 16.1

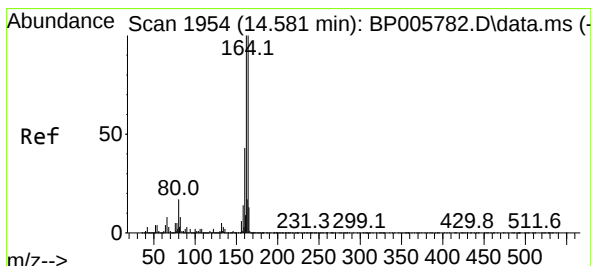
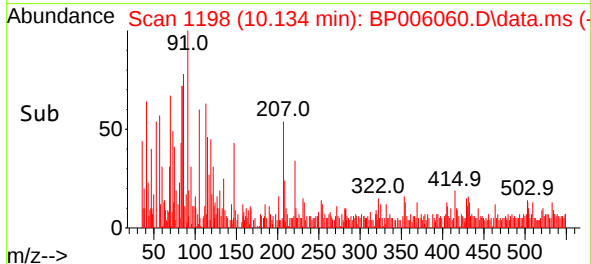
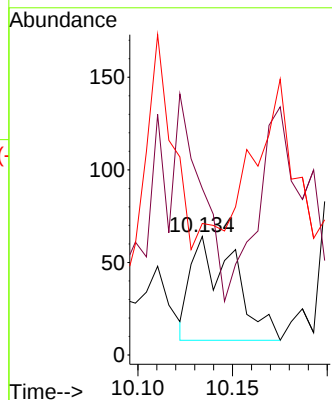
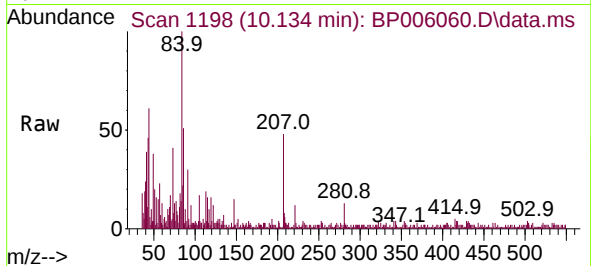




#32
Benzoic acid
Concen: 6.34 ng
RT: 10.134 min Scan# 1198
Delta R.T. 0.059 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

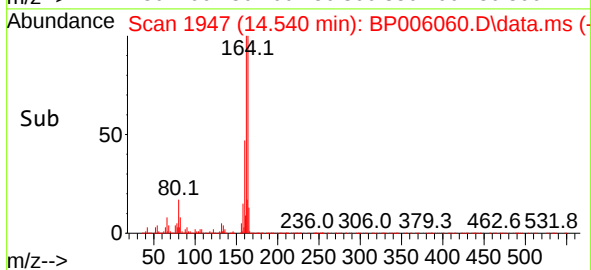
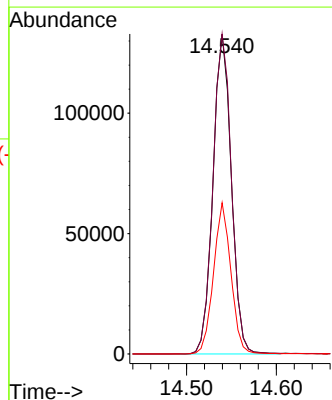
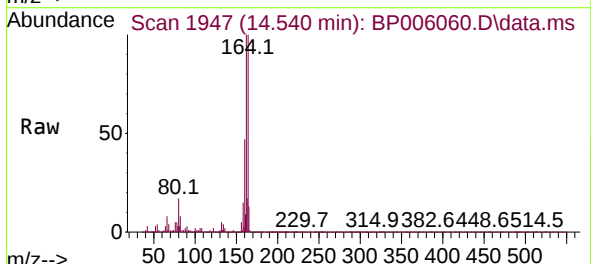
Instrument :
BNA_P
ClientSampled :
B3-0-2

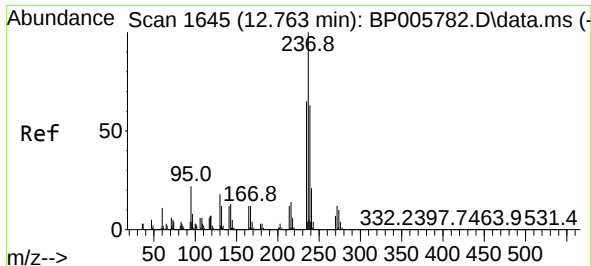
Tgt Ion:122 Resp: 90
Ion Ratio Lower Upper
122 100
105 140.6 103.2 143.2
77 110.9 76.2 116.2



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:164 Resp: 188626
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 47.3 34.5 51.7

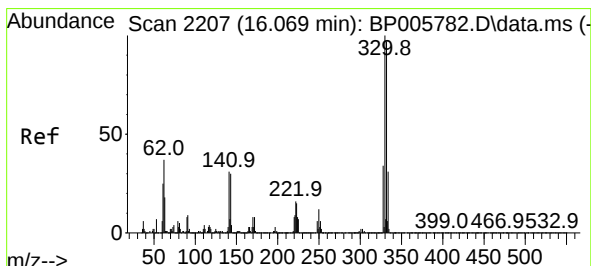
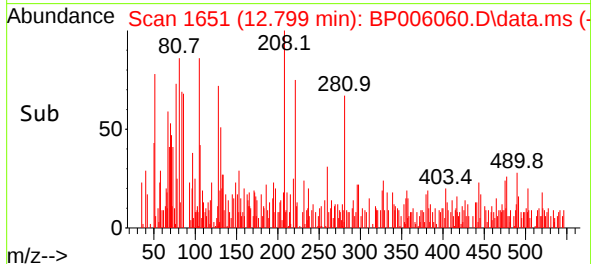
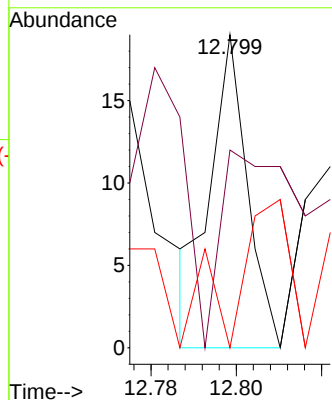
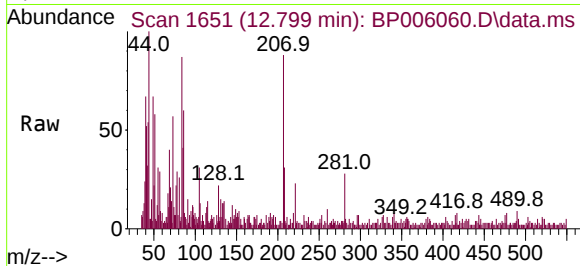




#41
Hexachlorocyclopentadiene
Concen: 5.51 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.071 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

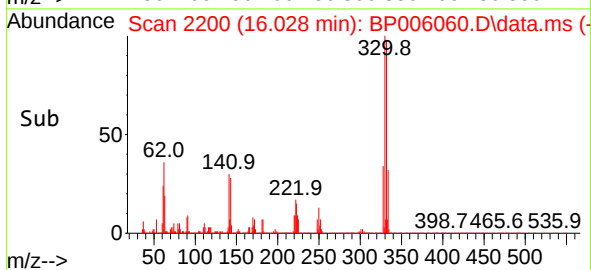
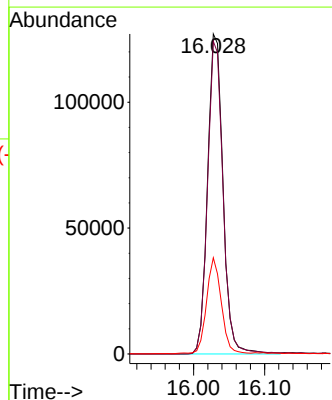
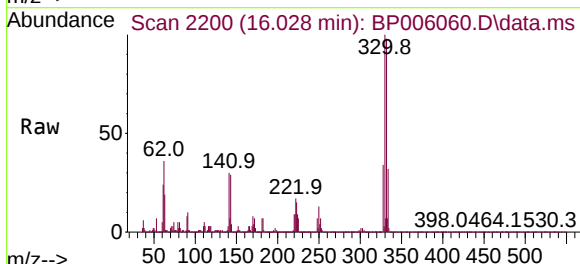
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ClientSampled :
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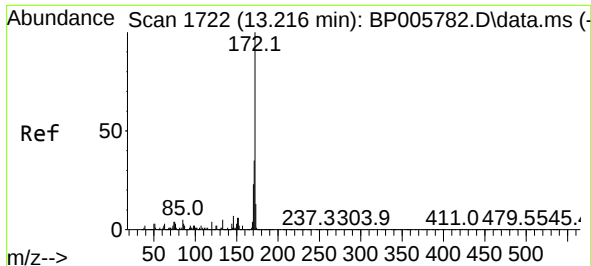
Tgt Ion:	237	Resp:	11
Ion	Ratio	Lower	Upper
237	100		
235	84.2	44.5	84.5
272	0.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 59.30 ng
RT: 16.028 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:	330	Resp:	191941
Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.8	116.8
141	29.0	25.4	38.2

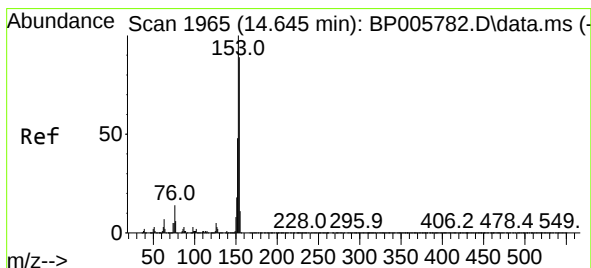
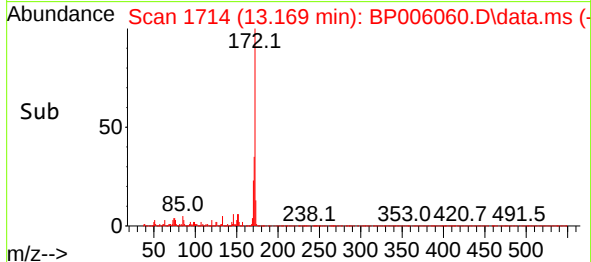
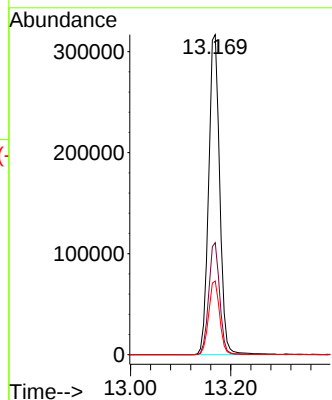
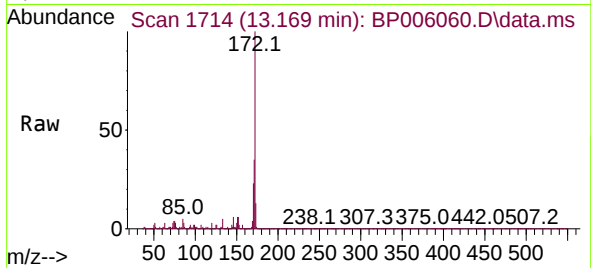




#45
2-Fluorobiphenyl
Concen: 33.88 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

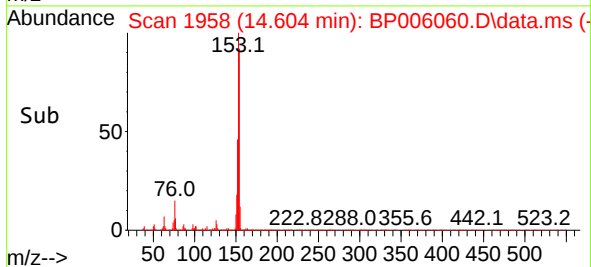
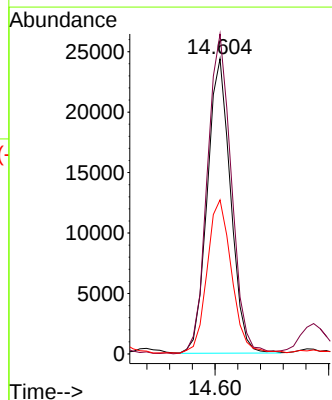
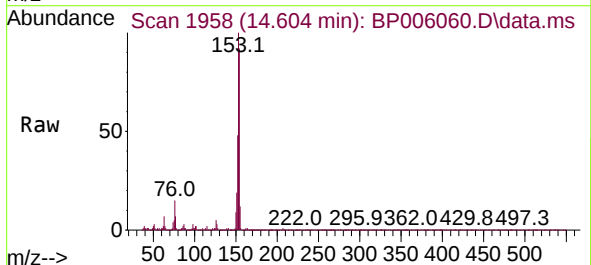
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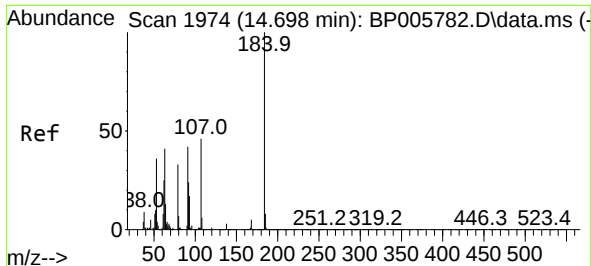
Tgt Ion:172 Resp: 486725
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.0 18.6 27.8



#52
Acenaphthene
Concen: 3.00 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:154 Resp: 34668
Ion Ratio Lower Upper
154 100
153 108.4 89.4 134.2
152 52.2 43.0 64.4

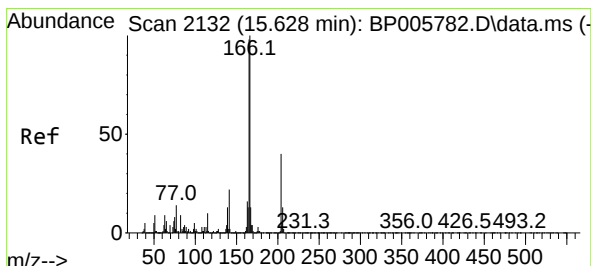
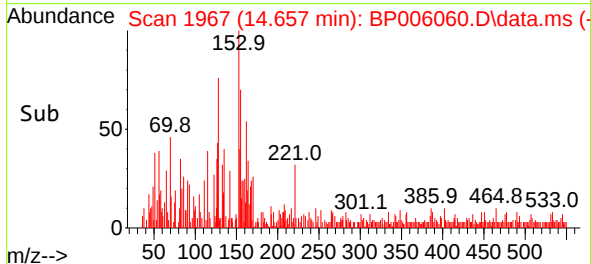
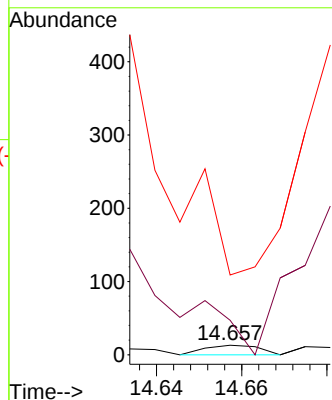
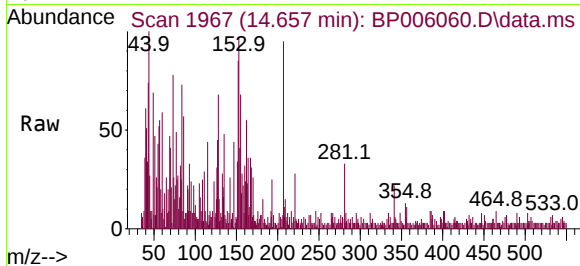




#54
2,4-Dinitrophenol
Concen: 4.85 ng
RT: 14.657 min Scan# 1967
Delta R.T. -0.018 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

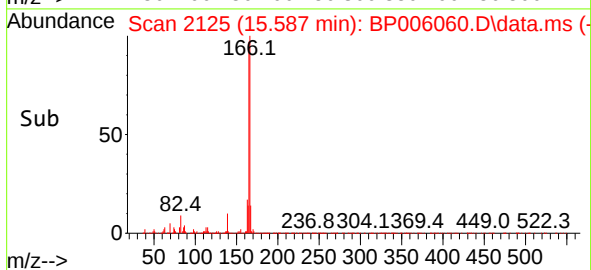
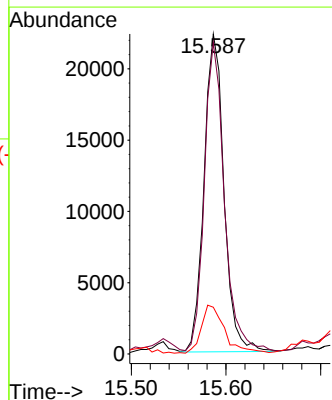
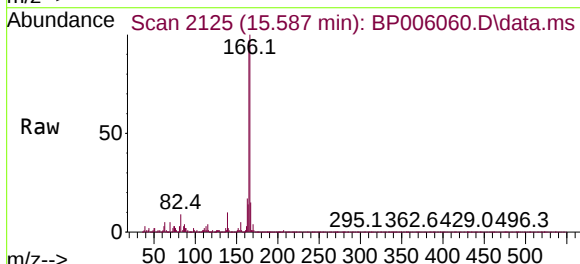
Instrument :
BNA_P
ClientSampled :
B3-0-2

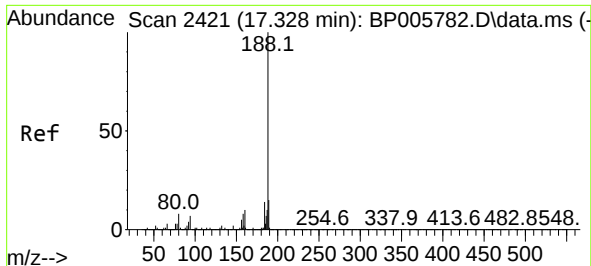
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Ion Ratio Lower Upper
184 100
63 235.0 47.0 70.6#
154 545.0 52.3 78.5#



#58
Fluorene
Concen: 2.21 ng
RT: 15.587 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:166 Resp: 32726
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 14.6 10.5 15.7

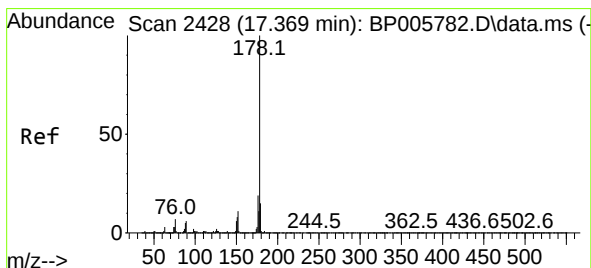
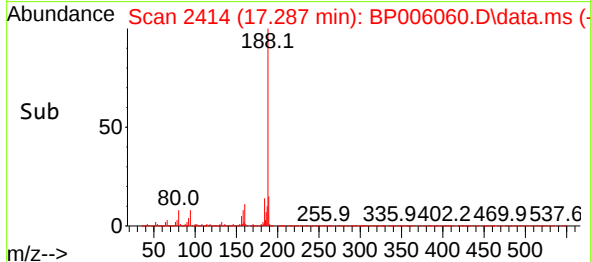
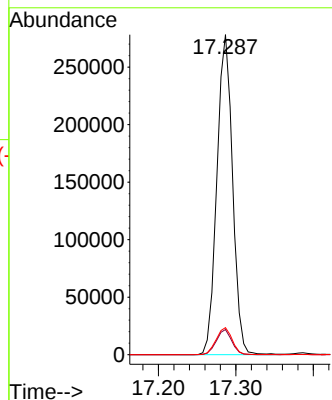
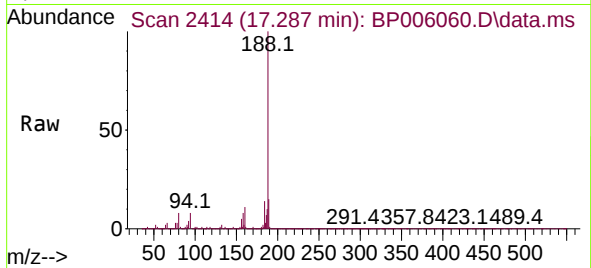




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.287 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

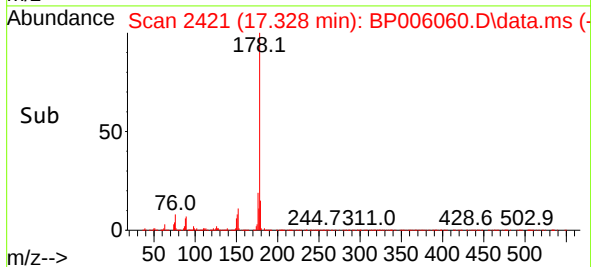
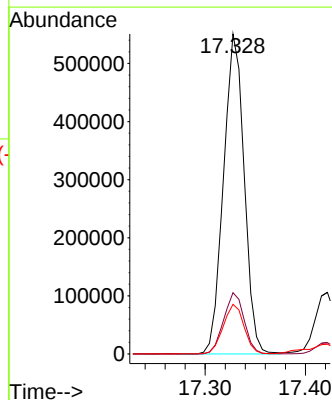
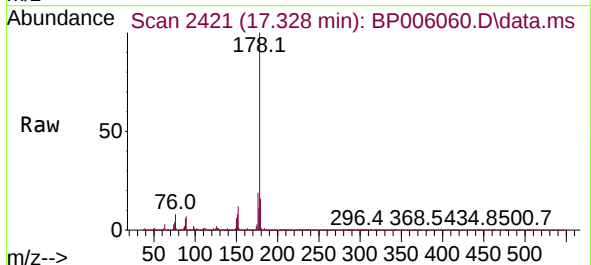
Instrument :
BNA_P
ClientSampleId :
B3-0-2

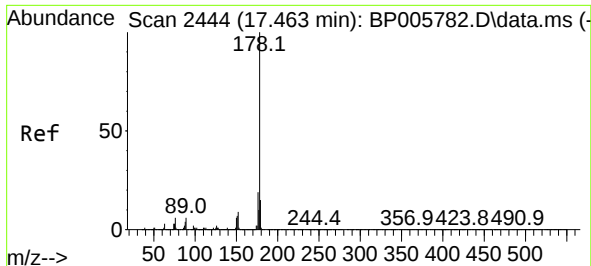
Tgt Ion:188 Resp: 390546
Ion Ratio Lower Upper
188 100
94 7.8 5.6 8.4
80 8.5 6.3 9.5



#71
Phenanthrene
Concen: 33.57 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:178 Resp: 787349
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.4 18.6

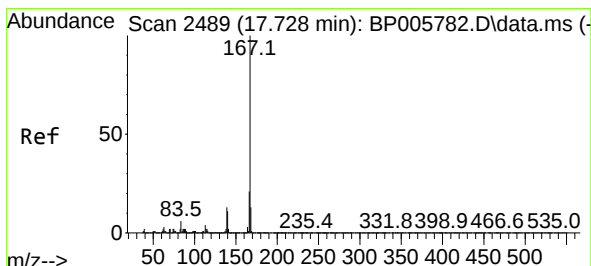
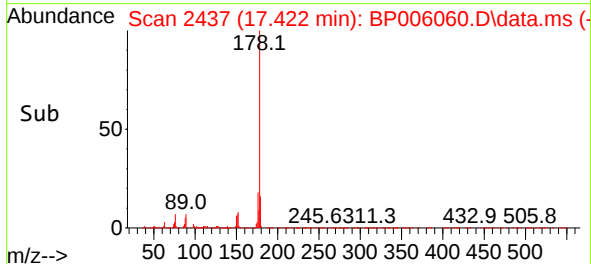
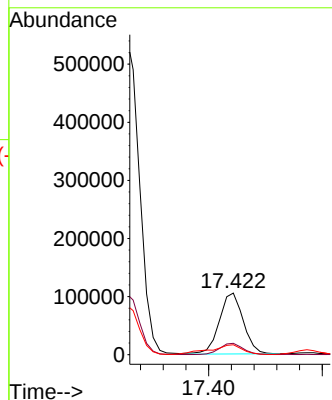
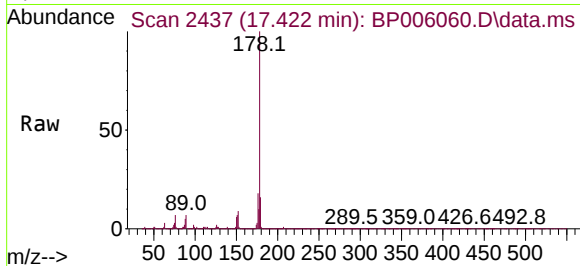




#72
 Anthracene
 Concen: 6.65 ng
 RT: 17.422 min Scan# 2437
 Delta R.T. -0.012 min
 Lab File: BP006060.D
 Acq: 24 Jun 2021 19:11

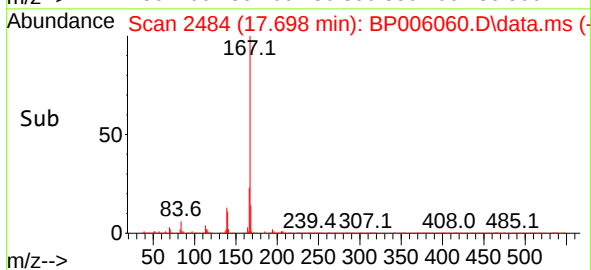
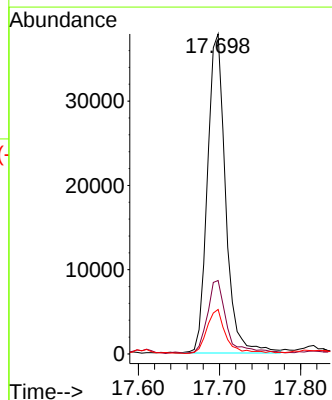
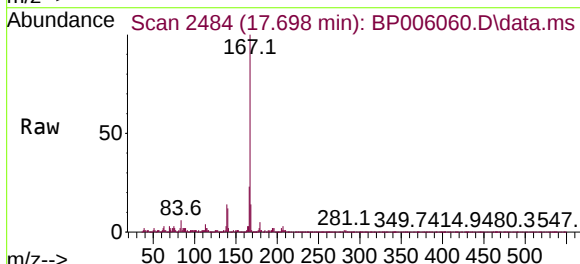
Instrument :
 BNA_P
 ClientSampled :
 B3-0-2

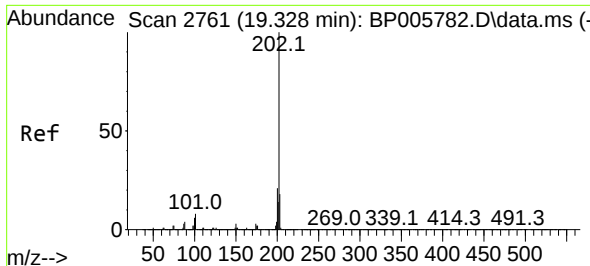
Tgt Ion:178 Resp: 153511
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 16.1 12.2 18.2



#73
 Carbazole
 Concen: 2.65 ng
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BP006060.D
 Acq: 24 Jun 2021 19:11

Tgt Ion:167 Resp: 58740
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.1 25.7
 139 13.9 10.7 16.1

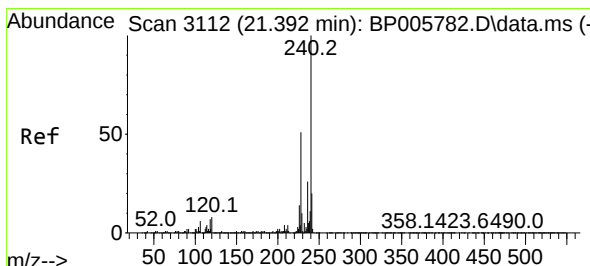
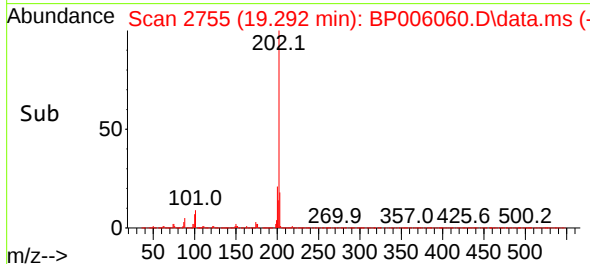
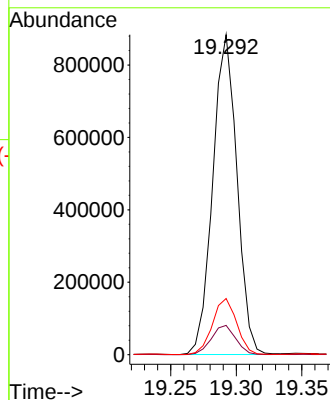
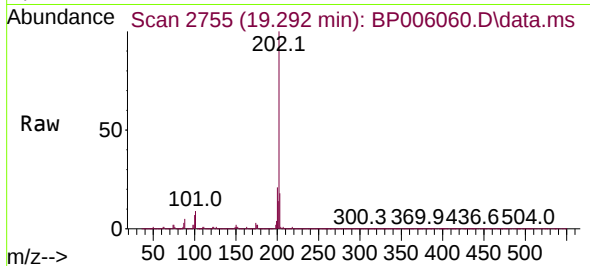




#75
Fluoranthene
Concen: 39.81 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

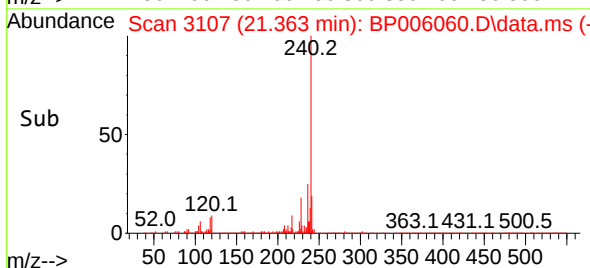
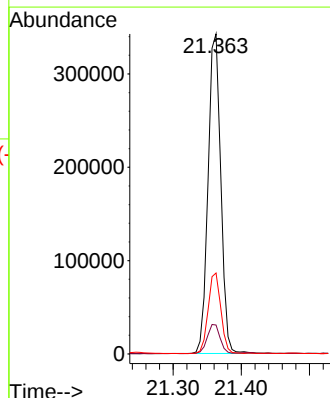
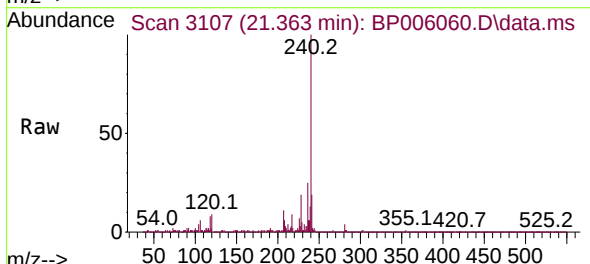
Instrument :
BNA_P
ClientSampled :
B3-0-2

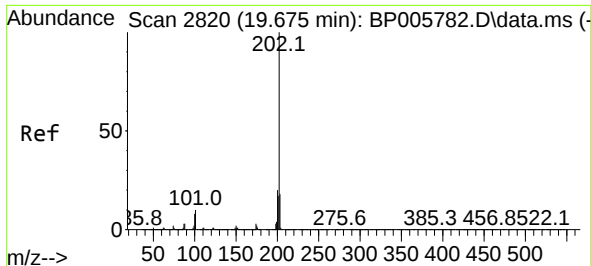
Tgt Ion:202 Resp: 1134032
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.6
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.363 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:240 Resp: 444967
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 25.3 20.6 31.0

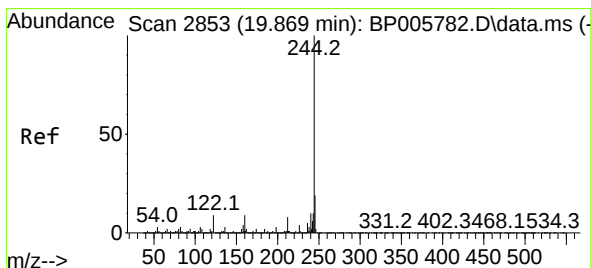
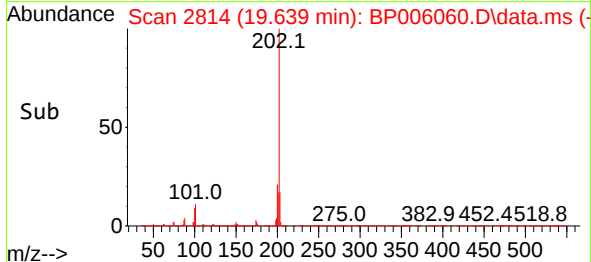
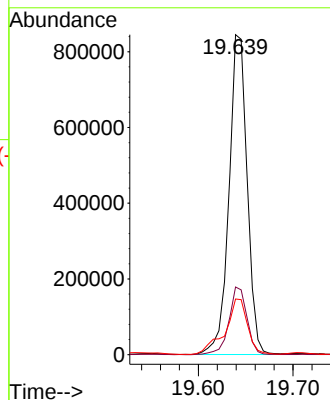
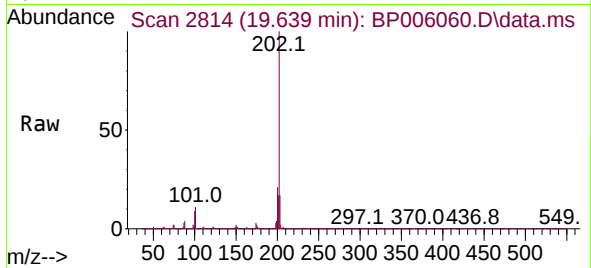




#78
Pyrene
Concen: 36.19 ng
RT: 19.639 min Scan# 2814
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

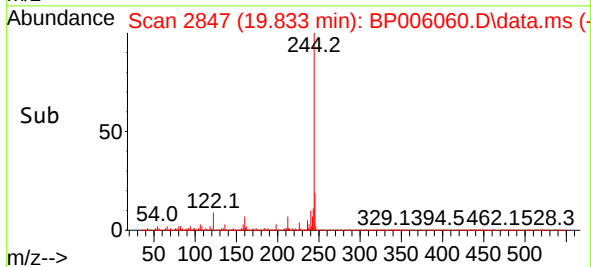
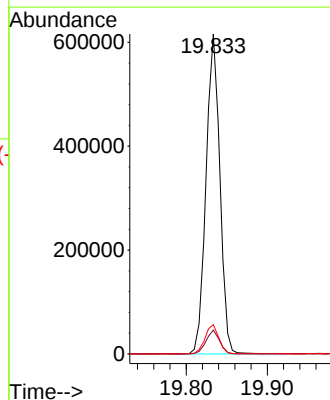
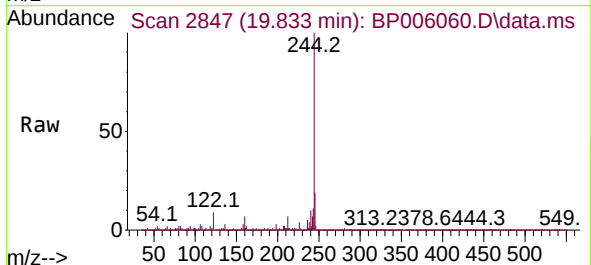
Instrument :
BNA_P
ClientSampled :
B3-0-2

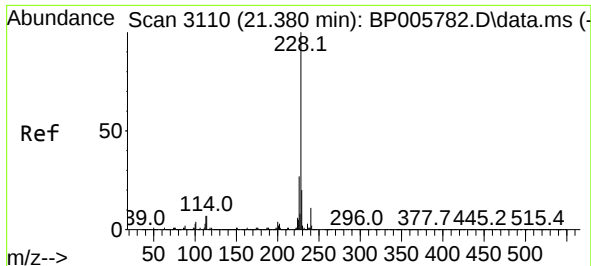
Tgt Ion:202 Resp: 1124119
Ion Ratio Lower Upper
202 100
200 21.1 16.3 24.5
203 17.4 14.2 21.2



#79
Terphenyl-d14
Concen: 30.57 ng
RT: 19.833 min Scan# 2847
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:244 Resp: 726331
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 9.2 7.1 10.7

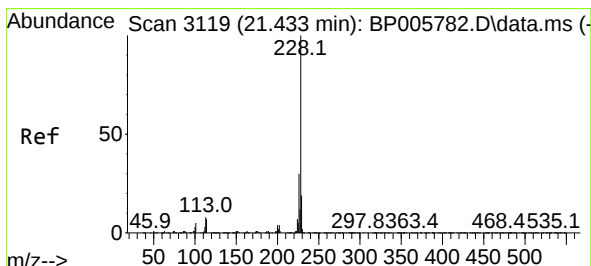
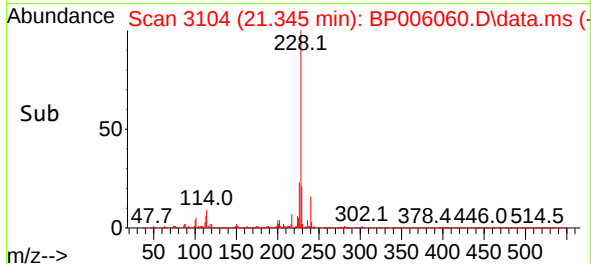
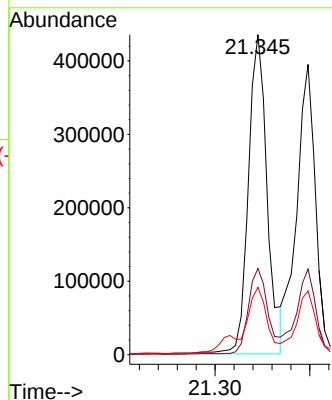
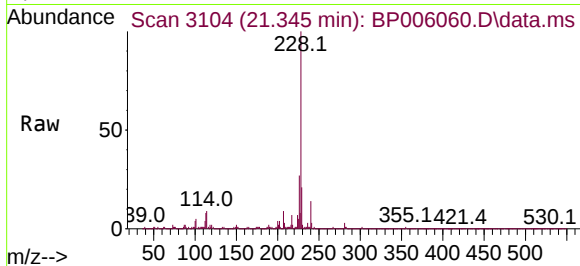




#81
Benzo(a)anthracene
Concen: 18.66 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

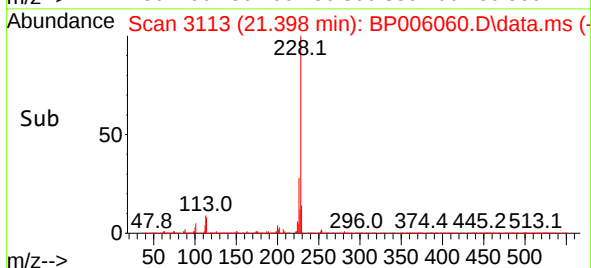
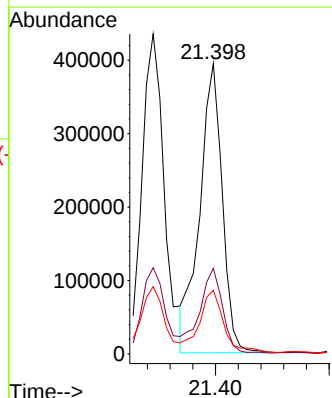
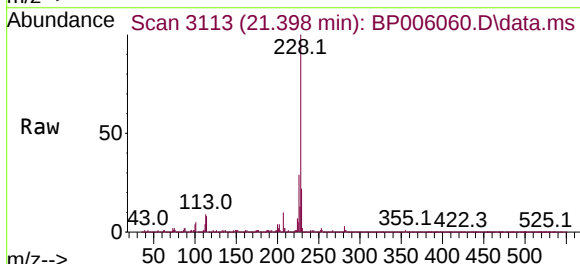
Instrument :
BNA_P
ClientSampleId :
B3-0-2

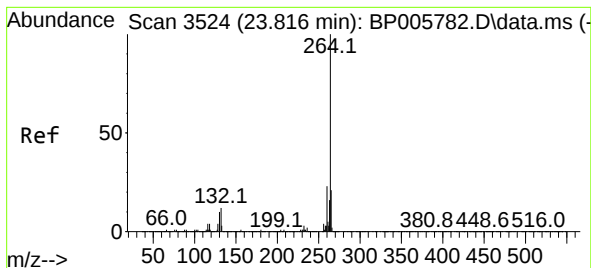
Tgt Ion:228 Resp: 599380
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 21.0 15.8 23.6



#83
Chrysene
Concen: 17.52 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:228 Resp: 545102
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 21.9 15.4 23.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.763 min Scan# 3515

Delta R.T. -0.012 min

Lab File: BP006060.D

Acq: 24 Jun 2021 19:11

Instrument :

BNA_P

ClientSampled :

B3-0-2

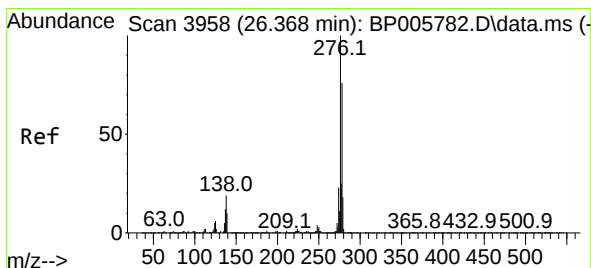
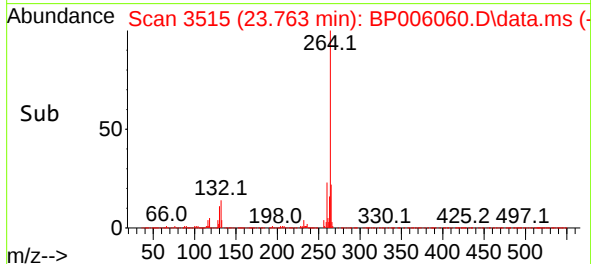
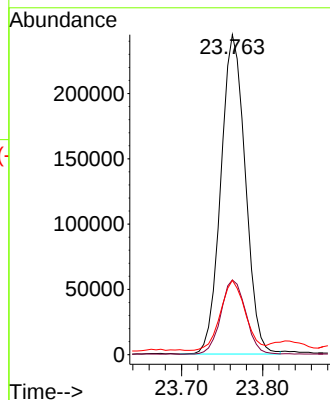
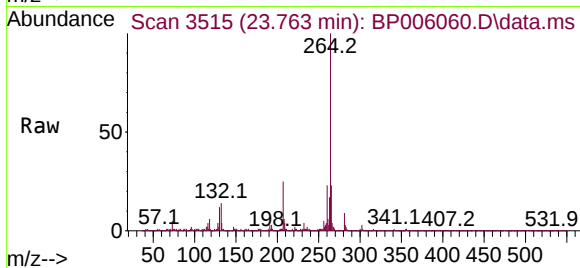
Tgt Ion:264 Resp: 511799

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 23.2 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.98 ng

RT: 26.280 min Scan# 3943

Delta R.T. -0.029 min

Lab File: BP006060.D

Acq: 24 Jun 2021 19:11

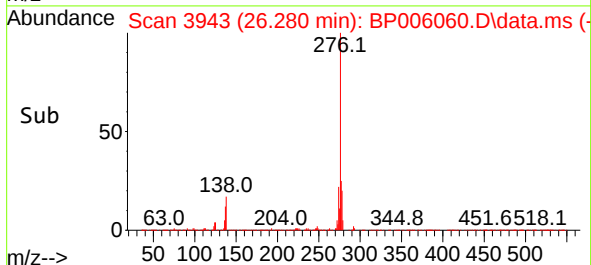
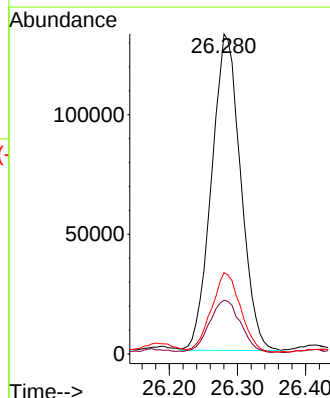
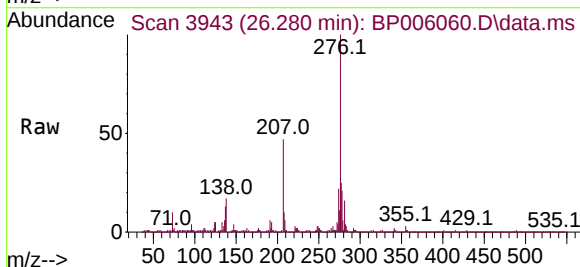
Tgt Ion:276 Resp: 392863

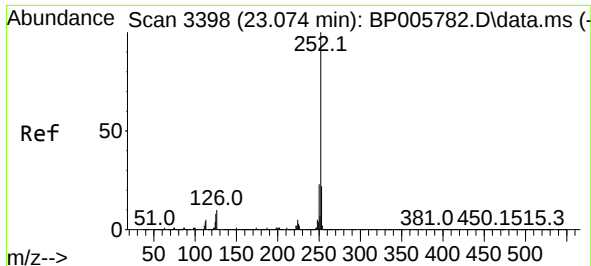
Ion Ratio Lower Upper

276 100

138 17.6 15.3 22.9

277 25.1 20.4 30.6

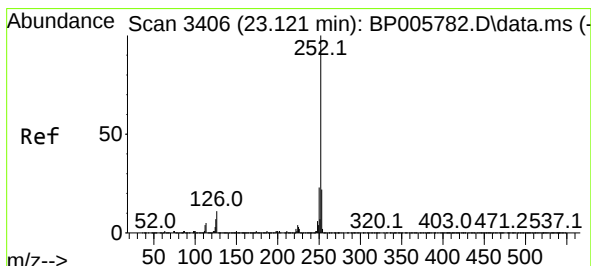
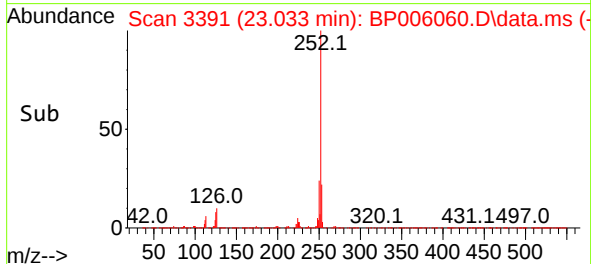
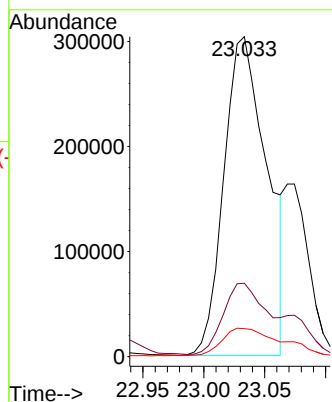
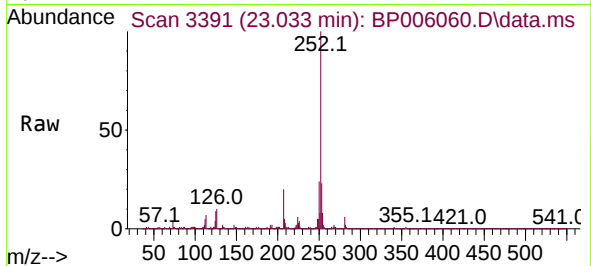




#88
Benzo(b)fluoranthene
Concen: 21.23 ng
RT: 23.033 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

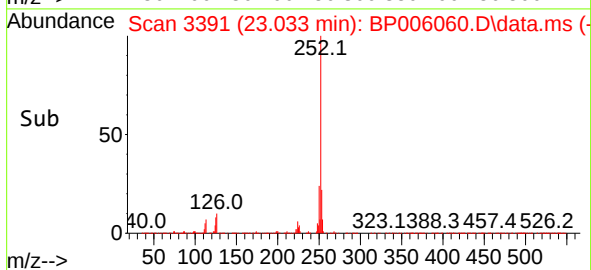
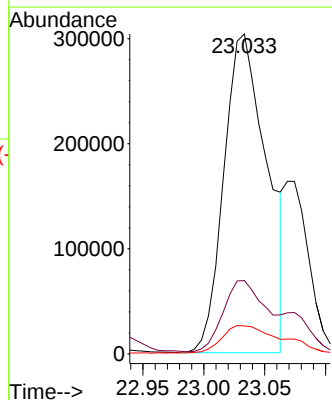
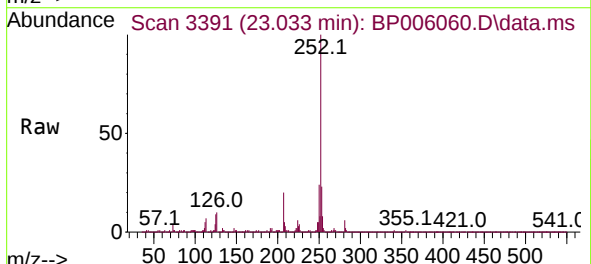
Instrument :
BNA_P
ClientSampled :
B3-0-2

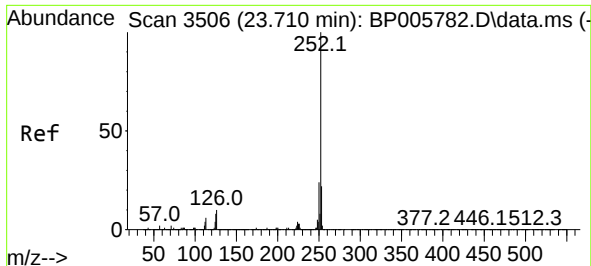
Tgt Ion:252 Resp: 744156
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 8.7 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 21.89 ng
RT: 23.033 min Scan# 3391
Delta R.T. -0.053 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Tgt Ion:252 Resp: 744156
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.7 6.0 9.0

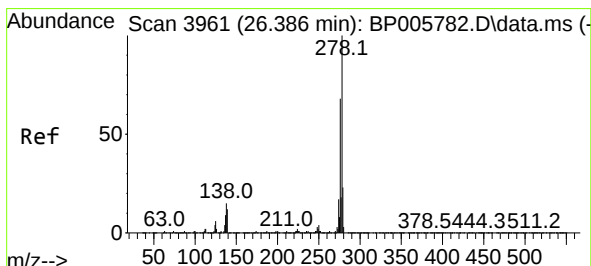
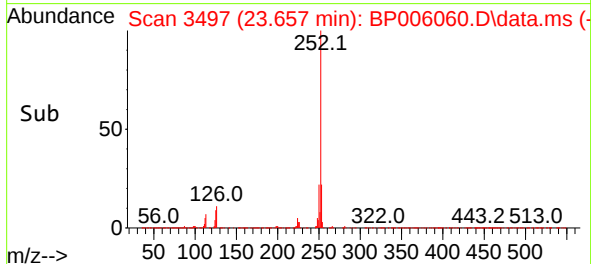
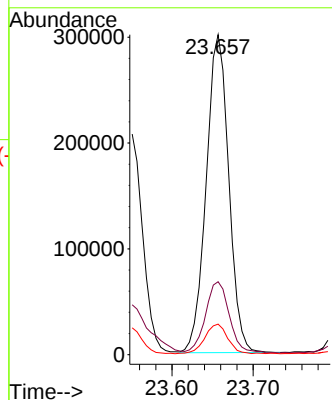
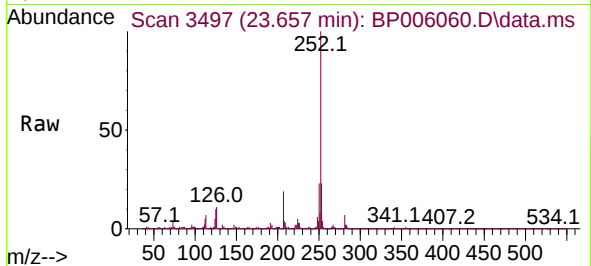




#90
Benzo(a)pyrene
Concen: 17.58 ng
RT: 23.657 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

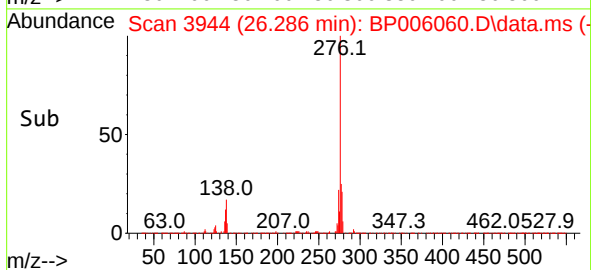
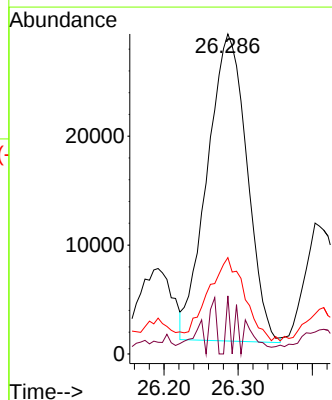
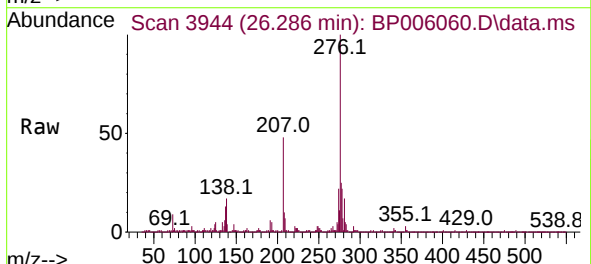
Instrument :
BNA_P
ClientSampled :
B3-0-2

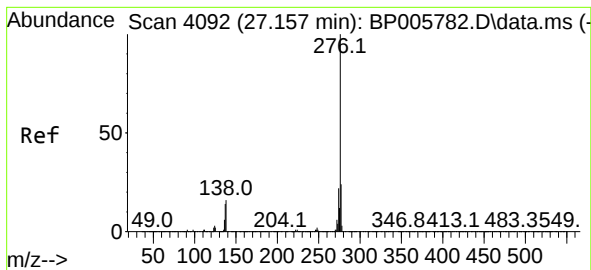
Tgt Ion:252 Resp: 579371
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.6 6.5 9.7



#91
Dibenzo(a,h)anthracene
Concen: 2.78 ng
RT: 26.286 min Scan# 3944
Delta R.T. -0.035 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

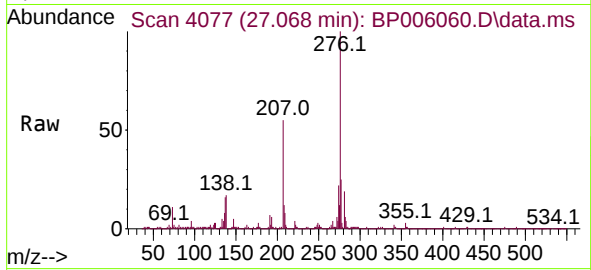
Tgt Ion:278 Resp: 104877
Ion Ratio Lower Upper
278 100
139 18.2 9.3 13.9#
279 30.1 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 11.01 ng
RT: 27.068 min Scan# 4077
Delta R.T. -0.018 min
Lab File: BP006060.D
Acq: 24 Jun 2021 19:11

Instrument :
BNA_P
ClientSampleId :
B3-0-2



Tgt Ion: 276 Resp: 409669

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	17.3	12.6	18.8

