

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040221\
 Data File : BP005168.D
 Acq On : 02 Apr 2021 20:09
 Operator : CG/JU
 Sample : M1836-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B3-0-2

Quant Time: Apr 02 23:31:46 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 01 12:23:57 2021
 Response via : Initial Calibration

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

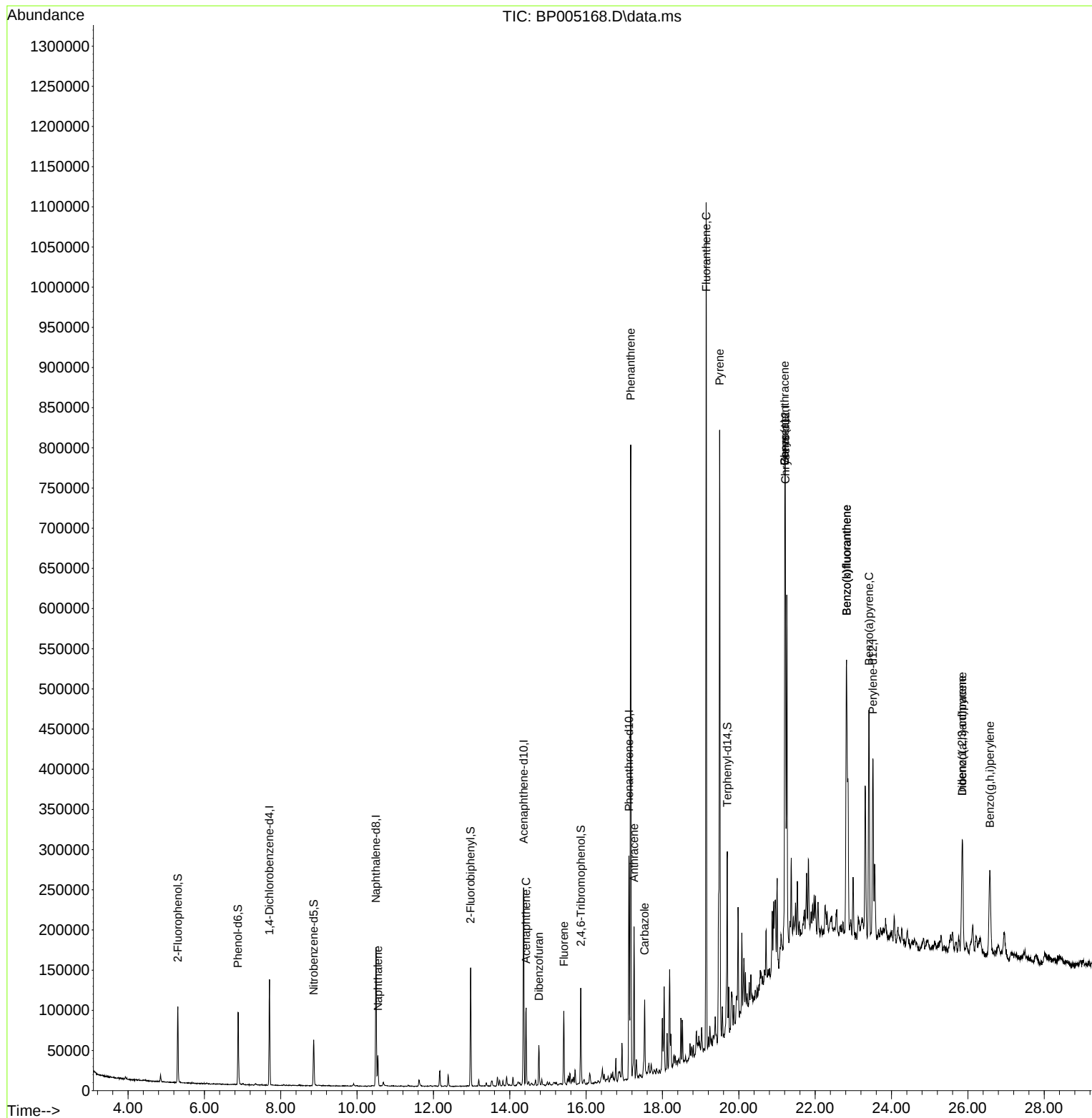
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	33251	20.00	ng	# 0.00
21) Naphthalene-d8	10.493	136	132656	20.00	ng	# 0.00
39) Acenaphthene-d10	14.363	164	84518	20.00	ng	0.00
64) Phenanthrene-d10	17.122	188	163910	20.00	ng	# 0.00
76) Chrysene-d12	21.222	240	159790	20.00	ng	0.00
86) Perylene-d12	23.510	264	162890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	39860	18.45	ng	0.00
7) Phenol-d6	6.881	99	53745	17.37	ng	0.00
23) Nitrobenzene-d5	8.863	82	36112	11.68	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	16592	15.07	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	70609	11.30	ng	0.00
79) Terphenyl-d14	19.698	244	97691	11.13	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.546	128	29321	3.91	ng	98
52) Acenaphthene	14.428	154	32782	6.53	ng	98
55) Dibenzofuran	14.763	168	28911	3.51	ng	98
58) Fluorene	15.416	166	37137	5.59	ng	96
71) Phenanthrene	17.169	178	448666	47.22	ng	97
72) Anthracene	17.257	178	112059	12.07	ng	96
73) Carbazole	17.534	167	54173	6.21	ng	98
75) Fluoranthene	19.145	202	581760	52.04	ng	98
78) Pyrene	19.498	202	455962	41.53	ng	98
81) Benzo(a)anthracene	21.204	228	266668	24.56	ng	99
83) Chrysene	21.204	228	266668	25.03	ng	96
87) Indeno(1,2,3-cd)pyrene	25.851	276	142471	11.67	ng	96
88) Benzo(b)fluoranthene	22.822	252	308570	26.68	ng	99
89) Benzo(k)fluoranthene	22.822	252	308570	27.84	ng	99
90) Benzo(a)pyrene	23.410	252	213399	20.57	ng	98
91) Dibenzo(a,h)anthracene	25.857	278	39632	3.75	ng	97
92) Benzo(g,h,i)perylene	26.580	276	130869	12.84	ng	96

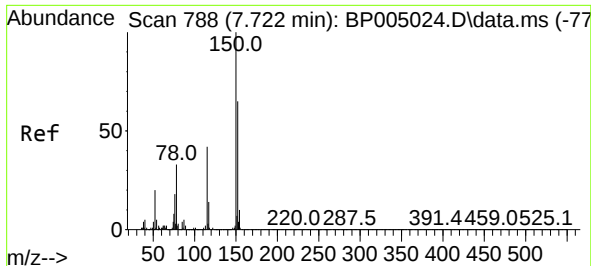
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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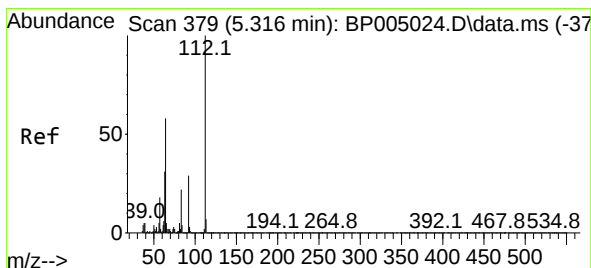
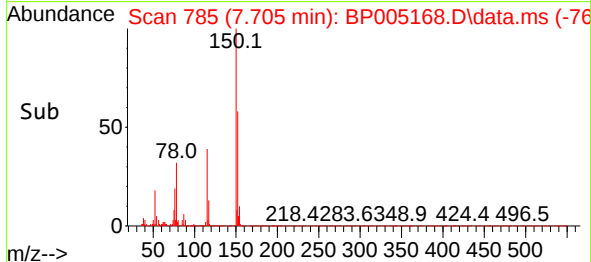
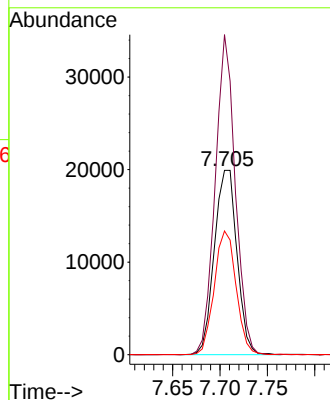
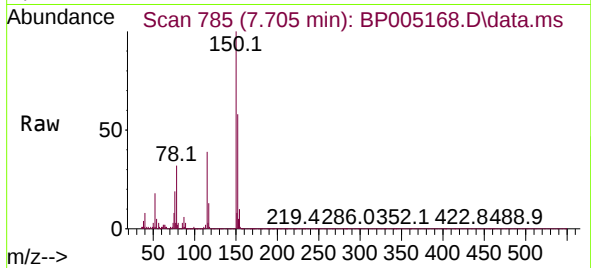




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.705 min Scan# 785
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

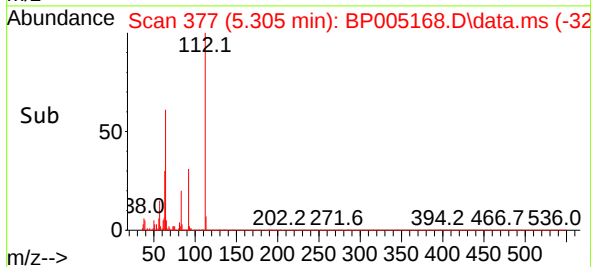
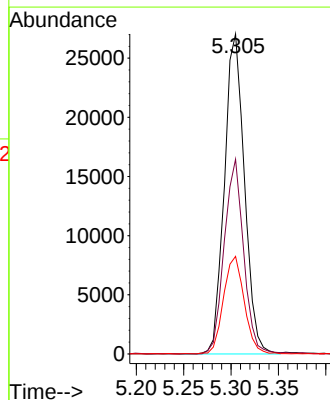
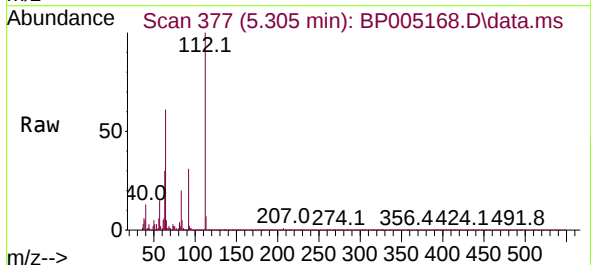
Instrument :
BNA_P
ClientSampleId :
B3-0-2

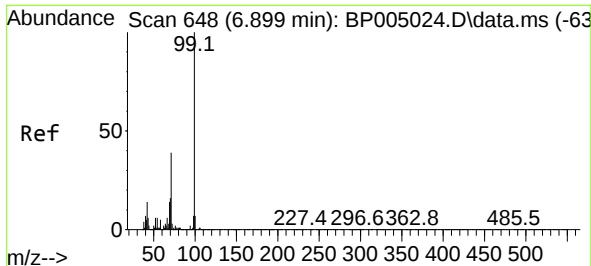
Tgt Ion:152 Resp: 33251
Ion Ratio Lower Upper
152 100
150 173.6 123.8 185.6
115 67.1 43.8 65.6#



#5
2-Fluorophenol
Concen: 18.45 ng
RT: 5.305 min Scan# 377
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:112 Resp: 39860
Ion Ratio Lower Upper
112 100
64 60.9 32.8 49.2#
63 30.5 17.0 25.4#

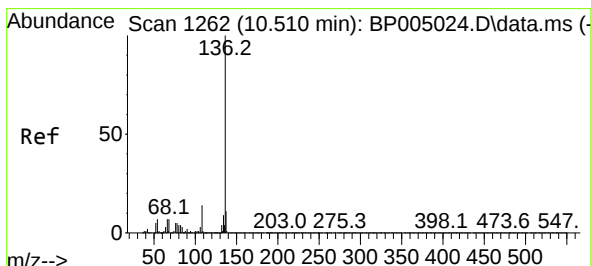
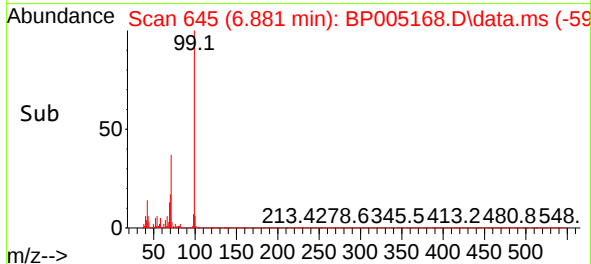
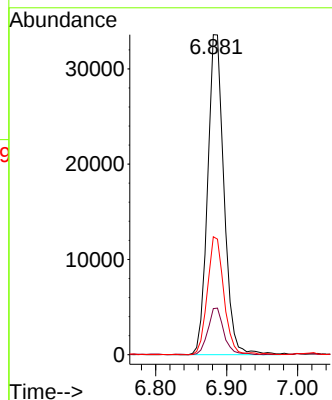
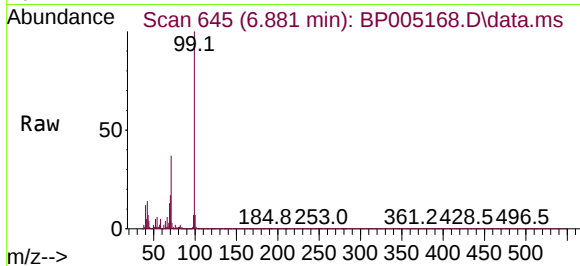




#7
Phenol-d6
Concen: 17.37 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

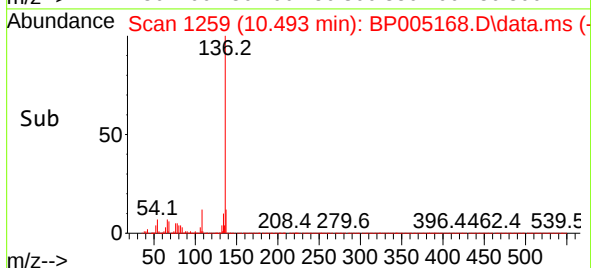
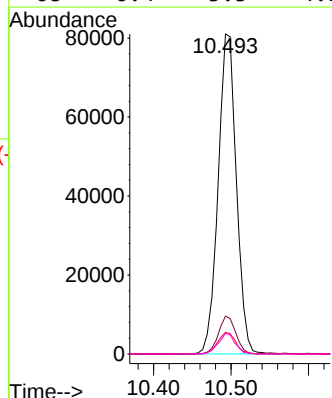
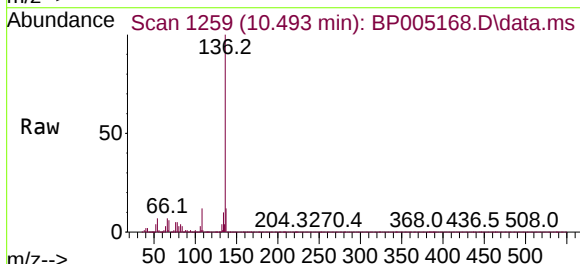
Instrument :
BNA_P
ClientSampleId :
B3-0-2

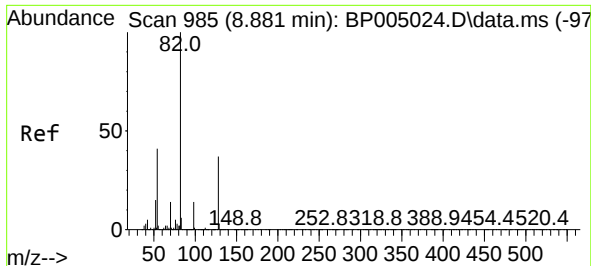
Tgt Ion: 99 Resp: 53745
Ion Ratio Lower Upper
99 100
42 14.4 8.6 13.0#
71 36.8 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion: 136 Resp: 132656
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 6.8 3.6 5.4#
68 6.4 3.3 4.9#

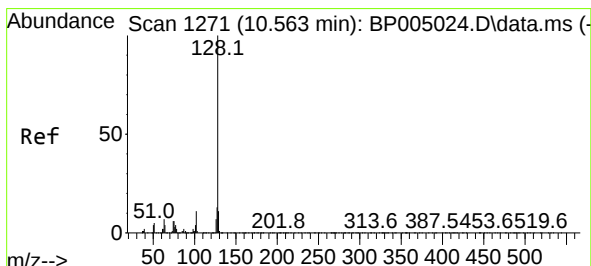
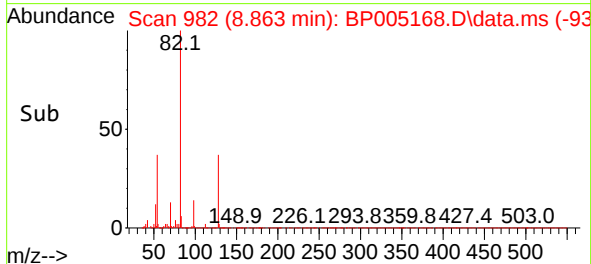
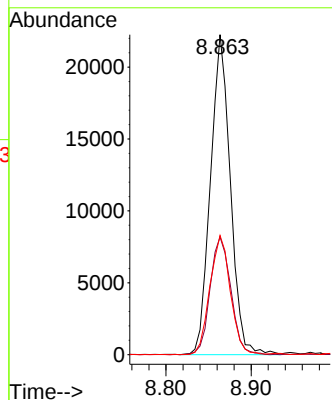
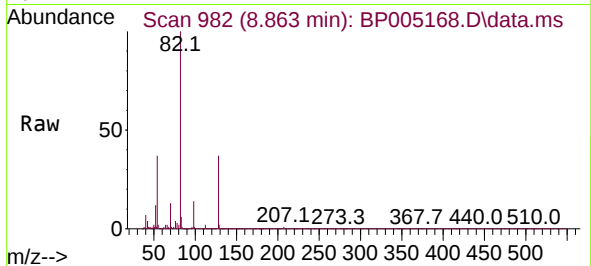




#23
Nitrobenzene-d5
Concen: 11.68 ng
RT: 8.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

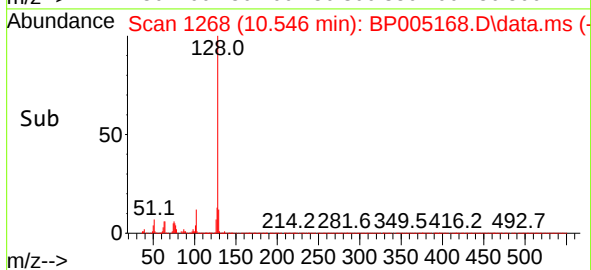
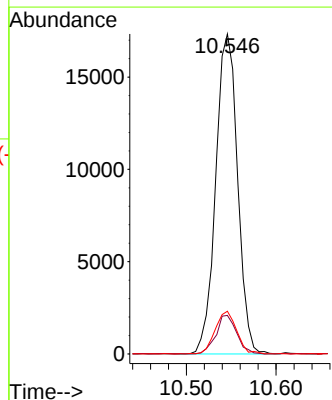
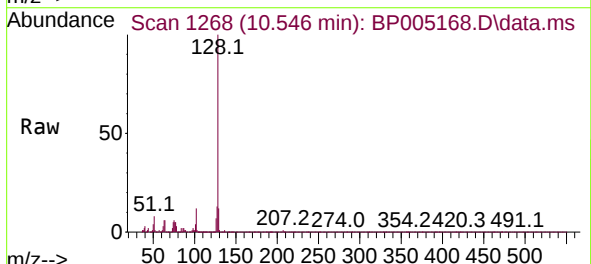
Instrument :
BNA_P
ClientSampled :
B3-0-2

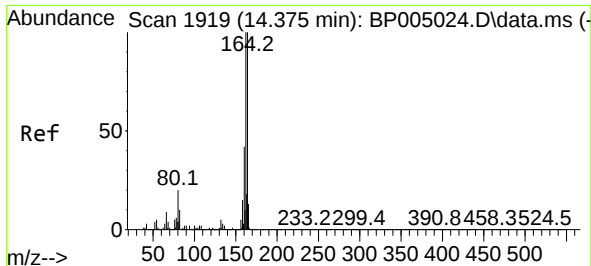
Tgt Ion: 82 Resp: 36112
Ion Ratio Lower Upper
82 100
128 36.8 45.6 68.4#
54 37.2 30.1 45.1



#31
Naphthalene
Concen: 3.91 ng
RT: 10.546 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion: 128 Resp: 29321
Ion Ratio Lower Upper
128 100
129 12.1 8.8 13.2
127 13.4 10.6 15.8

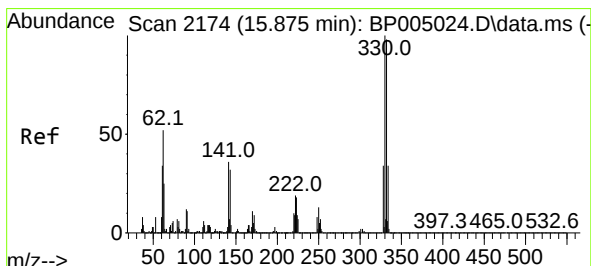
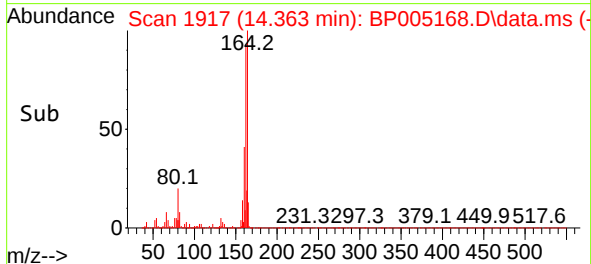
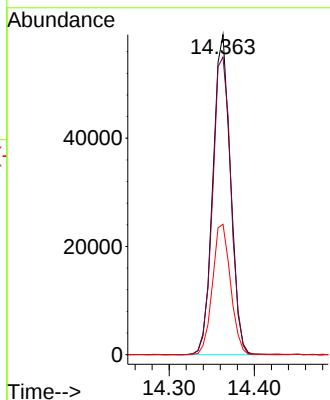
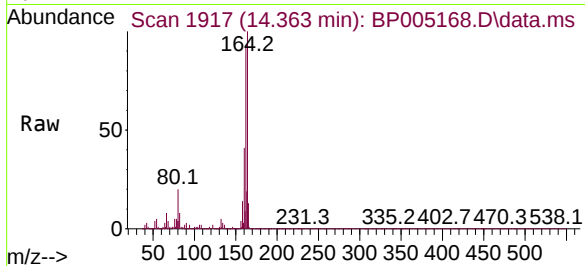




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.363 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

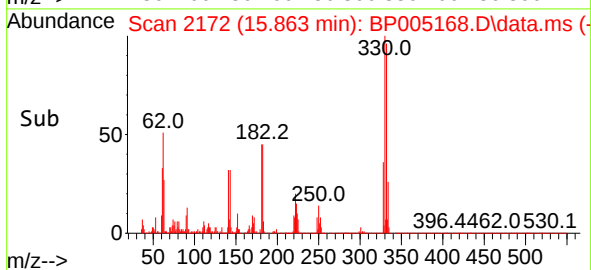
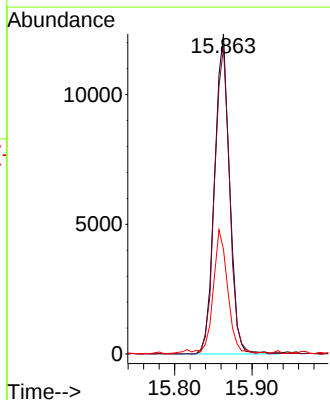
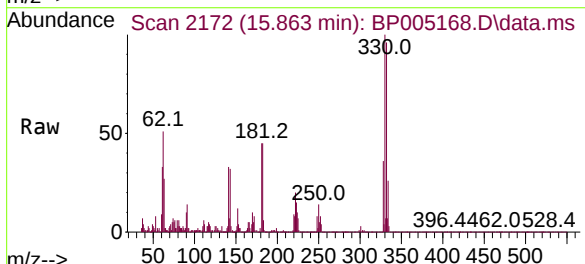
Instrument :
BNA_P
ClientSampleId :
B3-0-2

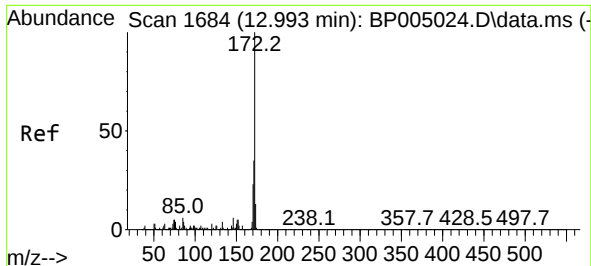
Tgt Ion:164 Resp: 84518
Ion Ratio Lower Upper
164 100
162 93.0 79.4 119.2
160 40.7 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 15.07 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:330 Resp: 16592
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 37.0 23.4 35.2#

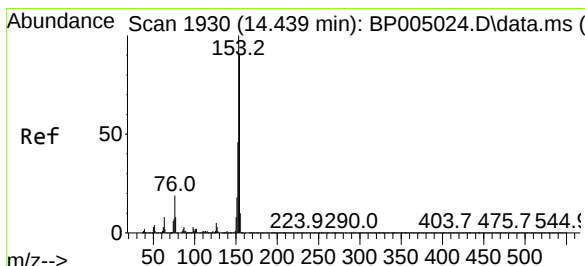
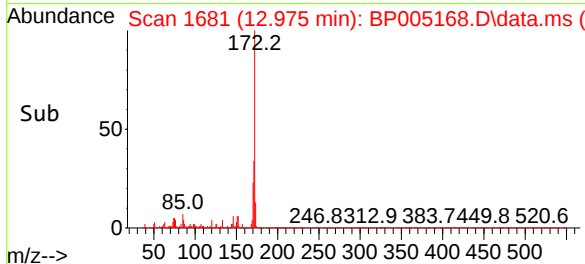
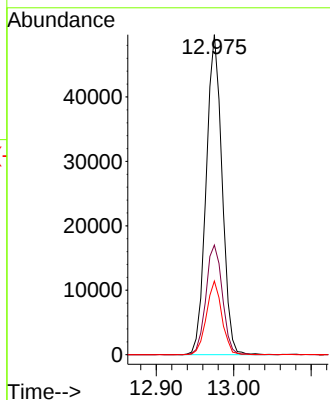
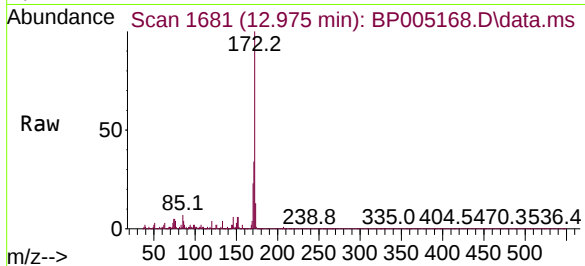




#45
2-Fluorobiphenyl
Concen: 11.30 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

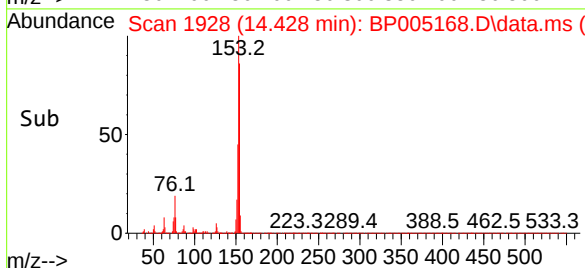
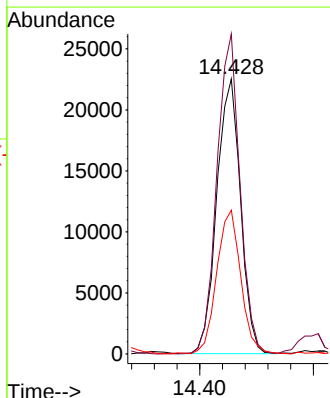
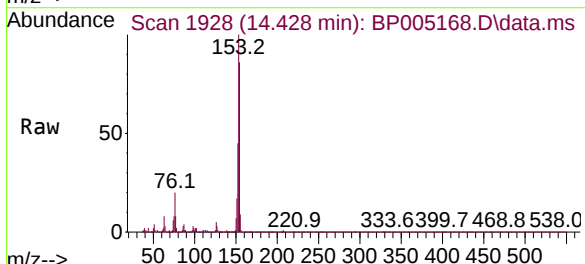
Instrument :
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ClientSampleId :
B3-0-2

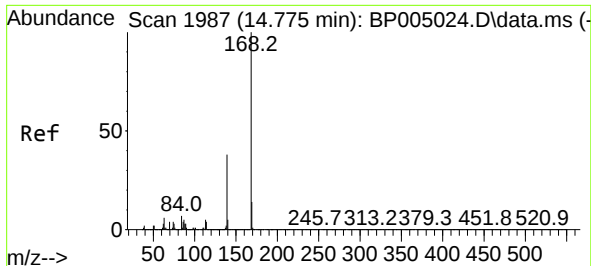
Tgt Ion:172 Resp: 70609
Ion Ratio Lower Upper
172 100
171 34.2 28.5 42.7
170 23.0 19.2 28.8



#52
Acenaphthene
Concen: 6.53 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:154 Resp: 32782
Ion Ratio Lower Upper
154 100
153 116.3 91.0 136.6
152 52.3 43.0 64.6

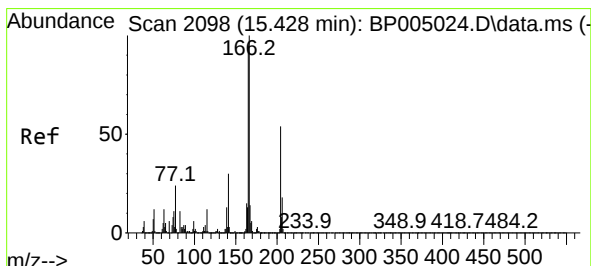
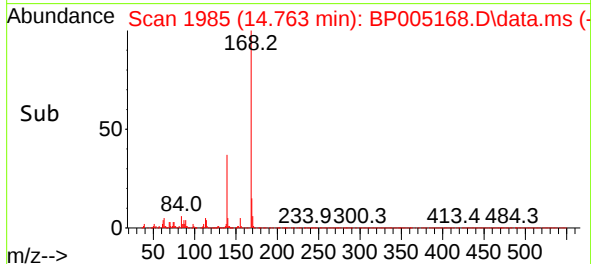
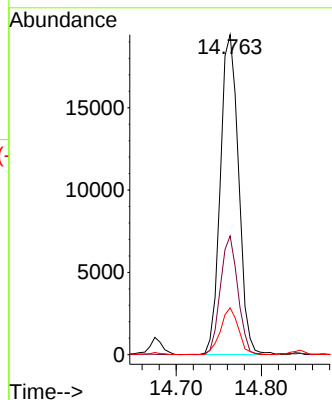
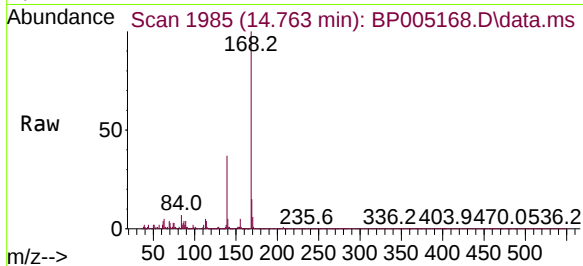




#55
Dibenzenofuran
Concen: 3.51 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

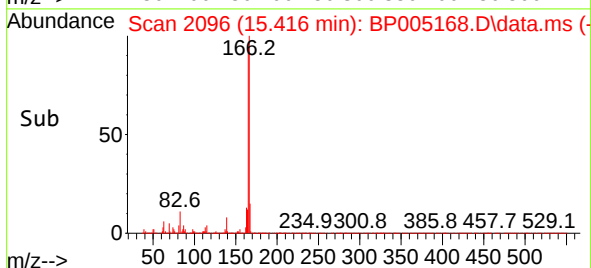
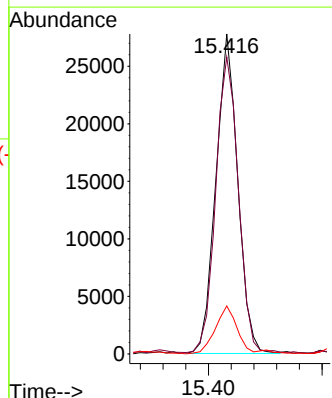
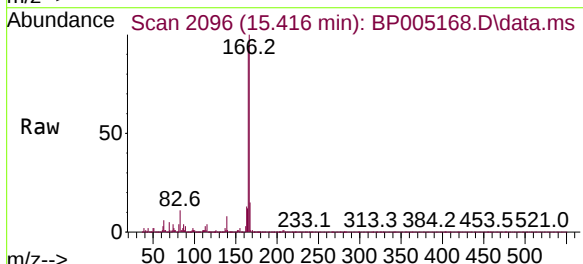
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BNA_P
ClientSampleId :
B3-0-2

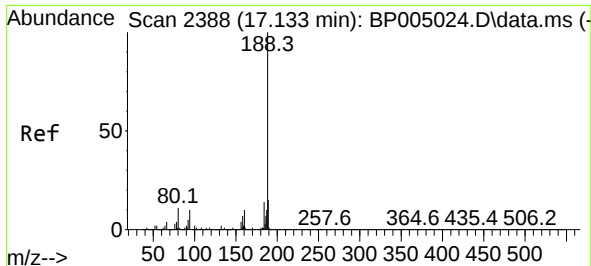
Tgt Ion:168	Resp:	28911
Ion Ratio	Lower	Upper
168	100	
139	37.1	29.1 43.7
169	14.7	10.4 15.6



#58
Fluorene
Concen: 5.59 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:166	Resp:	37137
Ion Ratio	Lower	Upper
166	100	
165	92.8	77.8 116.8
167	15.0	11.0 16.4

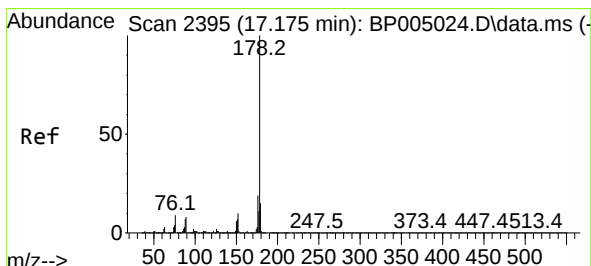
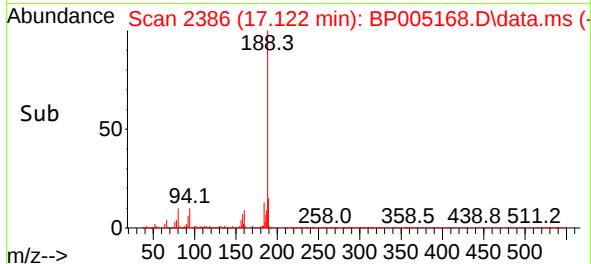
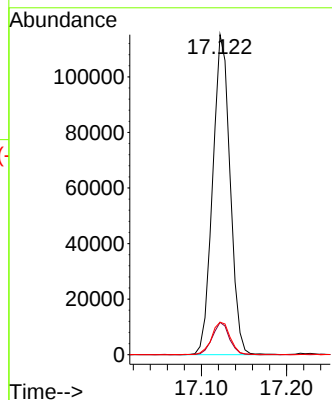
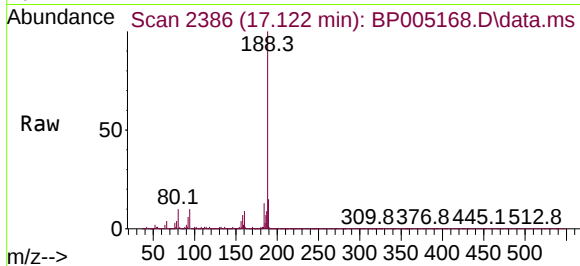




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.122 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

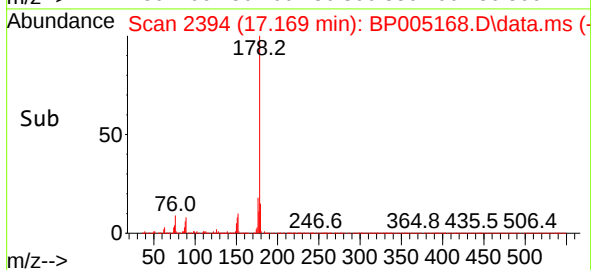
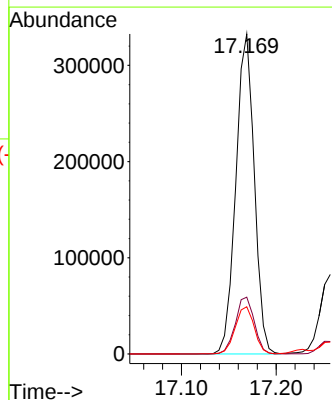
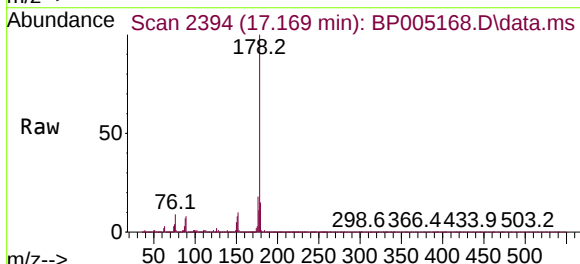
Instrument :
BNA_P
ClientSampleId :
B3-0-2

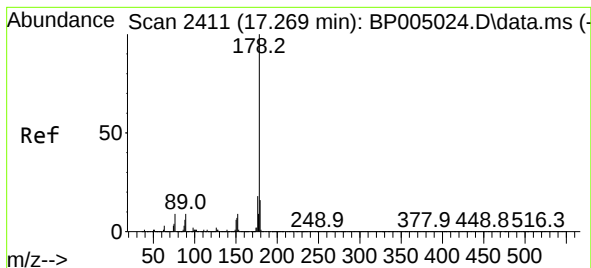
Tgt Ion:188 Resp: 163910
Ion Ratio Lower Upper
188 100
94 10.1 6.2 9.2#
80 10.2 6.2 9.2#



#71
Phenanthrene
Concen: 47.22 ng
RT: 17.169 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:178 Resp: 448666
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 14.8 12.5 18.7

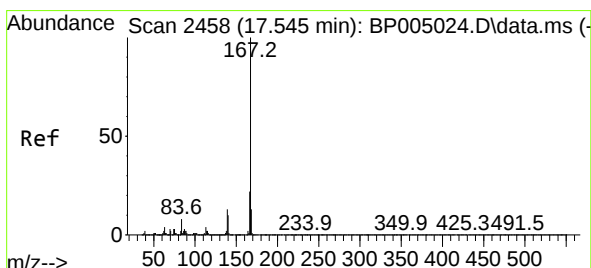
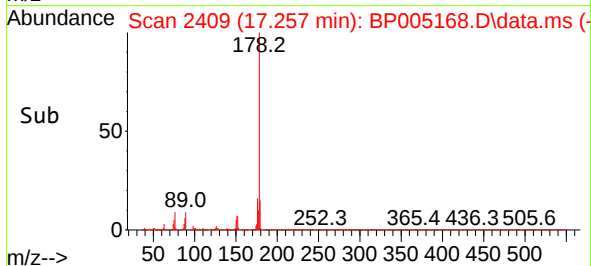
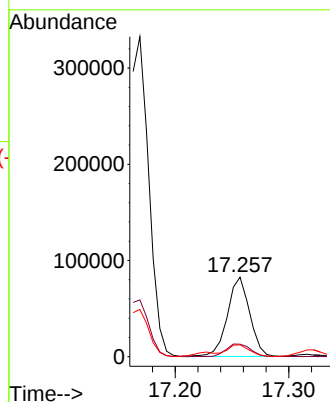
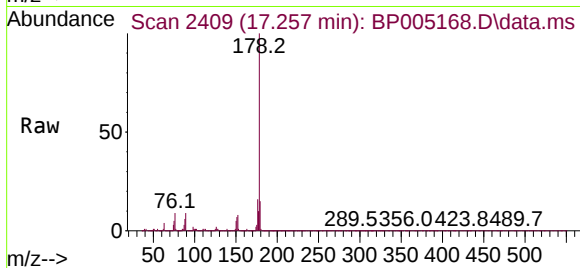




#72
 Anthracene
 Concen: 12.07 ng
 RT: 17.257 min Scan# 2409
 Delta R.T. -0.000 min
 Lab File: BP005168.D
 Acq: 02 Apr 2021 20:09

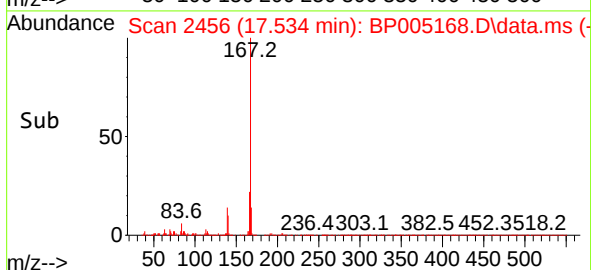
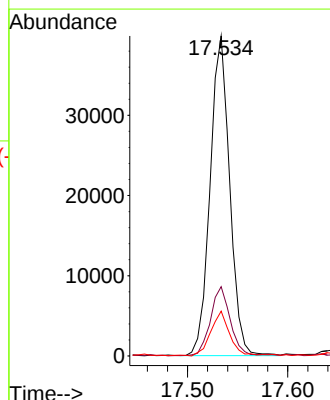
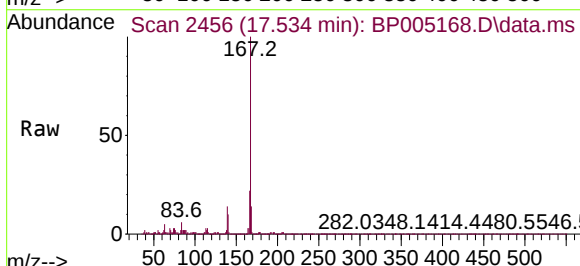
Instrument :
 BNA_P
 ClientSampleId :
 B3-0-2

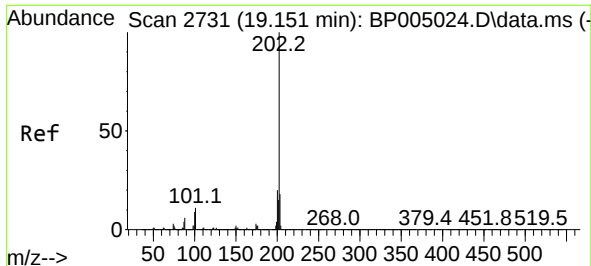
Tgt Ion:178 Resp: 112059
 Ion Ratio Lower Upper
 178 100
 176 15.8 15.0 22.4
 179 14.9 12.5 18.7



#73
 Carbazole
 Concen: 6.21 ng
 RT: 17.534 min Scan# 2456
 Delta R.T. -0.000 min
 Lab File: BP005168.D
 Acq: 02 Apr 2021 20:09

Tgt Ion:167 Resp: 54173
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 14.0 10.2 15.4

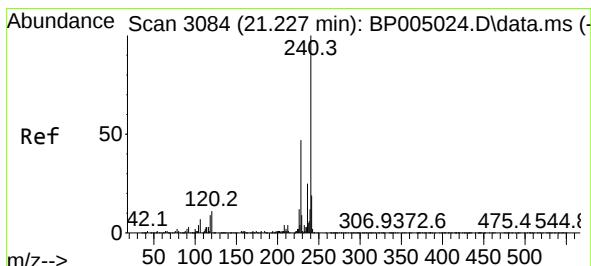
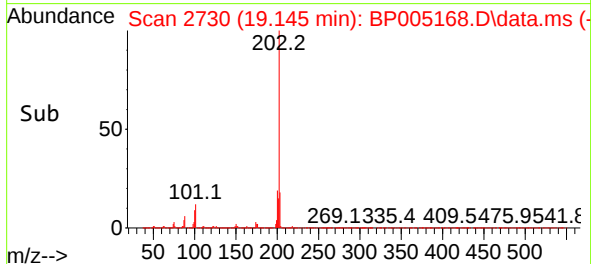
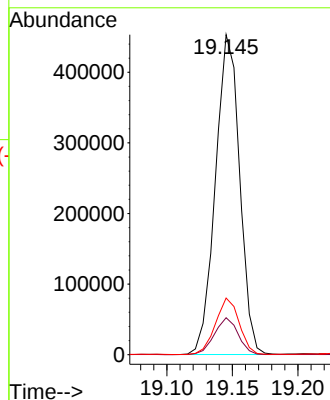
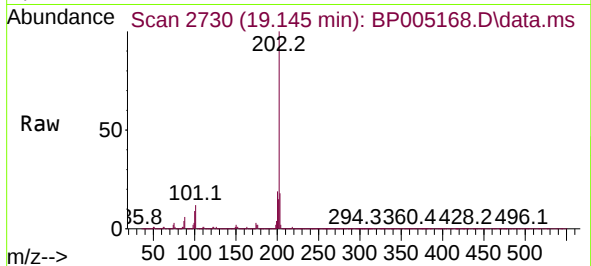




#75
Fluoranthene
Concen: 52.04 ng
RT: 19.145 min Scan# 2730
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

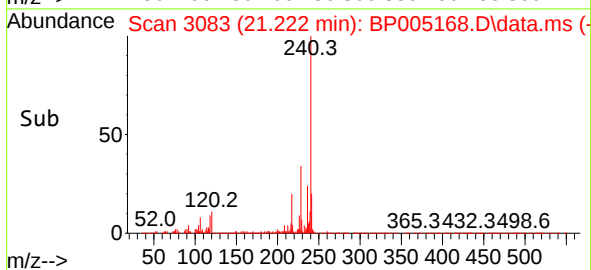
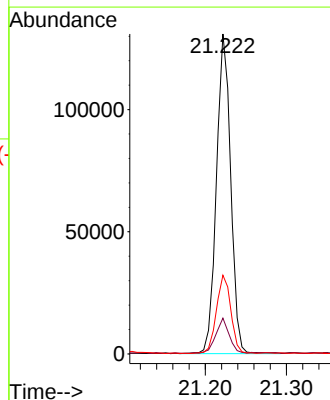
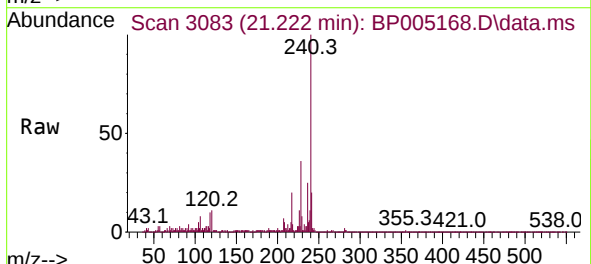
Instrument :
BNA_P
ClientSampled :
B3-0-2

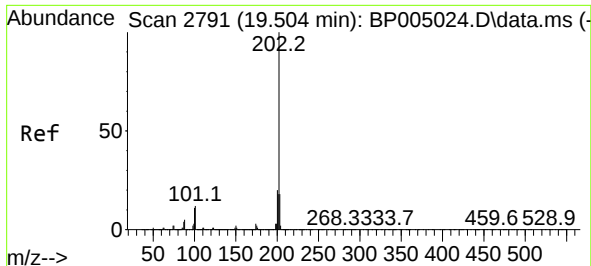
Tgt Ion:202 Resp: 581760
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.4
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.222 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:240 Resp: 159790
Ion Ratio Lower Upper
240 100
120 11.2 7.8 11.6
236 24.6 20.8 31.2

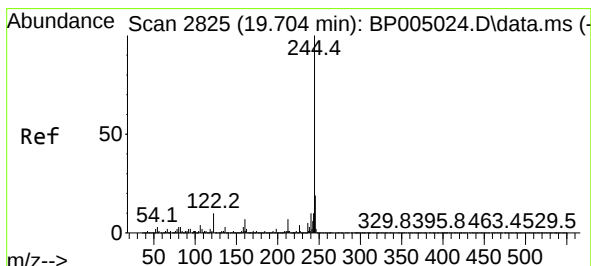
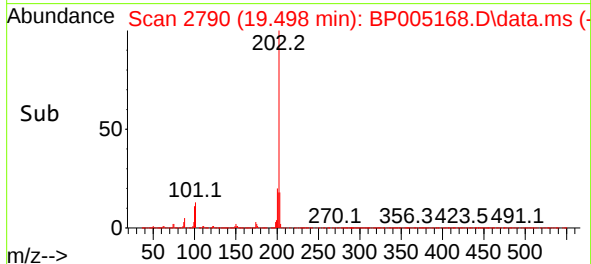
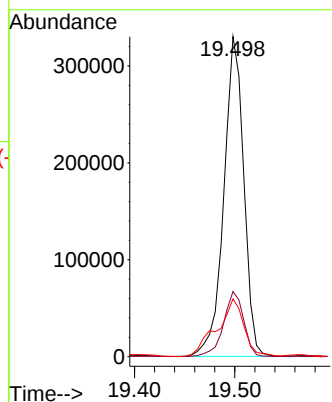
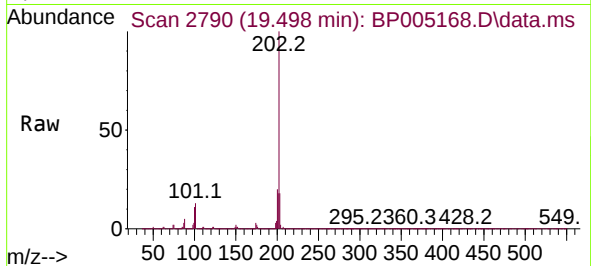




#78
Pyrene
Concen: 41.53 ng
RT: 19.498 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

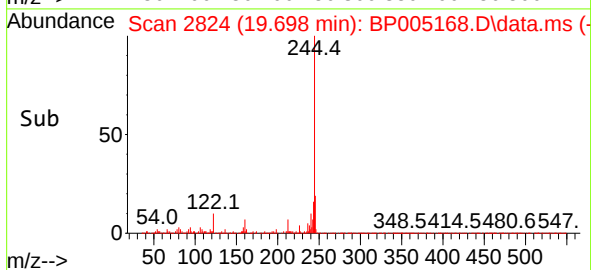
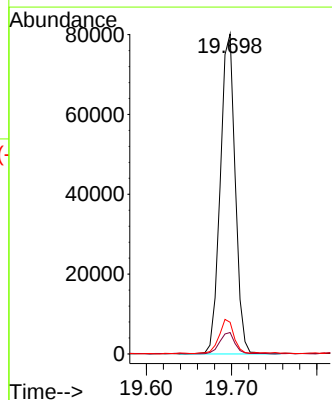
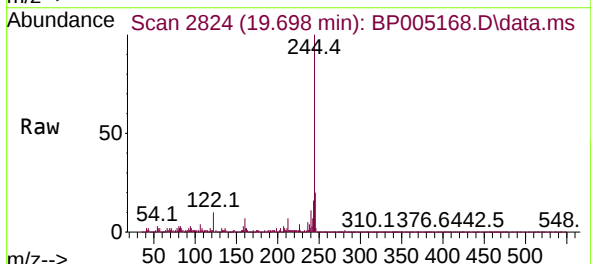
Instrument :
BNA_P
ClientSampled :
B3-0-2

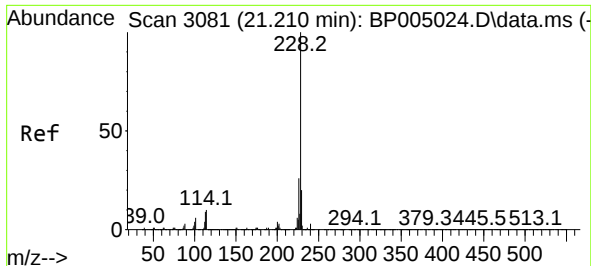
Tgt Ion:202 Resp: 455962
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 18.1 14.2 21.2



#79
Terphenyl-d14
Concen: 11.13 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:244 Resp: 97691
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 9.9 7.8 11.8

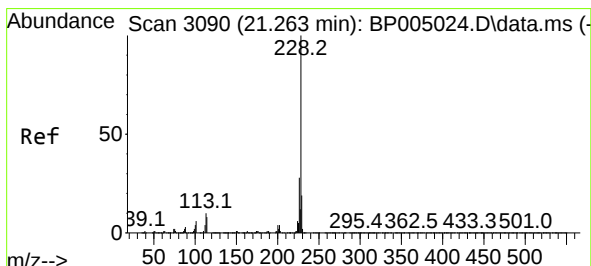
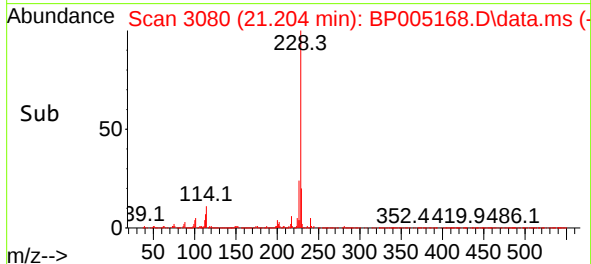
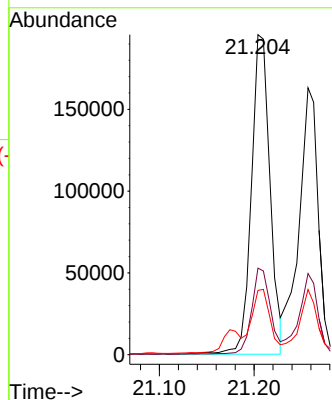
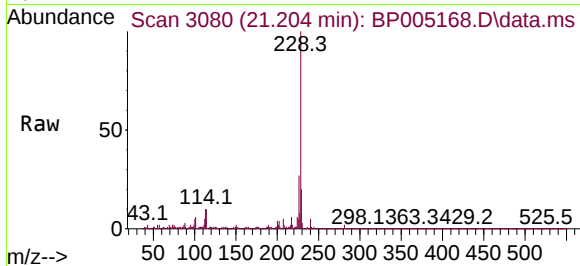




#81
Benzo(a)anthracene
Concen: 24.56 ng
RT: 21.204 min Scan# 3080
Delta R.T. -0.006 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

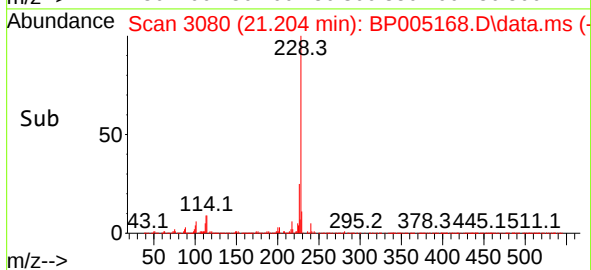
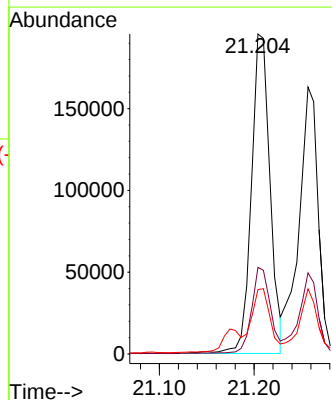
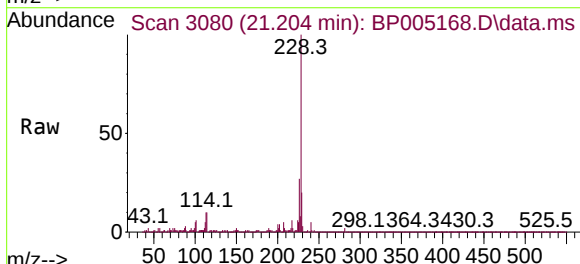
Instrument :
BNA_P
ClientSampled :
B3-0-2

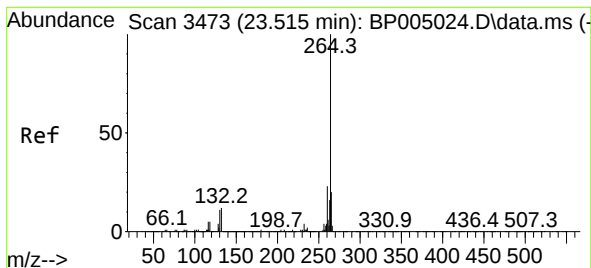
Tgt Ion:228 Resp: 266668
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 20.1 15.9 23.9



#83
Chrysene
Concen: 25.03 ng
RT: 21.204 min Scan# 3080
Delta R.T. -0.059 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:228 Resp: 266668
Ion Ratio Lower Upper
228 100
226 27.1 24.4 36.6
229 20.1 15.8 23.6

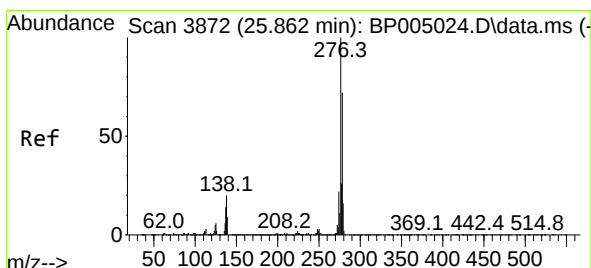
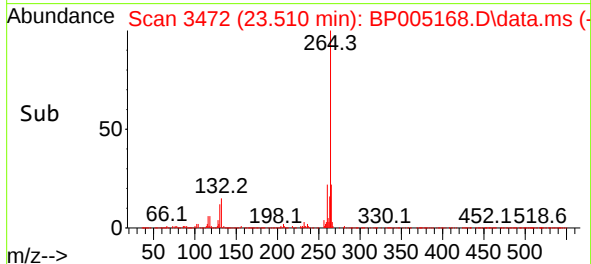
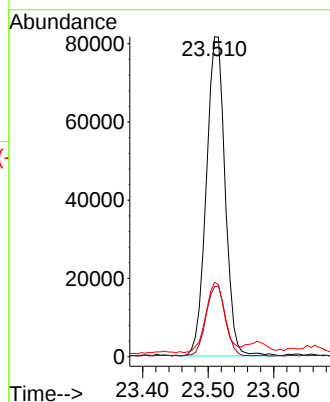
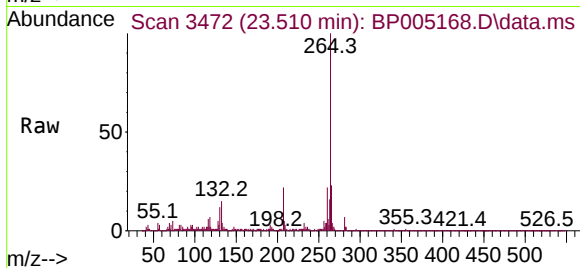




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.510 min Scan# 3472
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

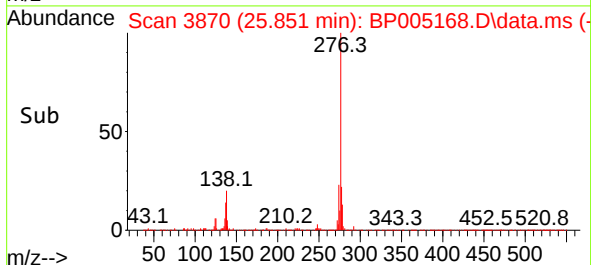
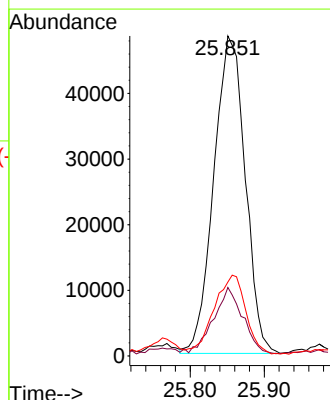
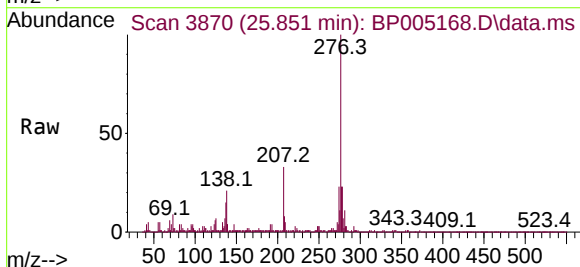
Instrument :
BNA_P
ClientSampleId :
B3-0-2

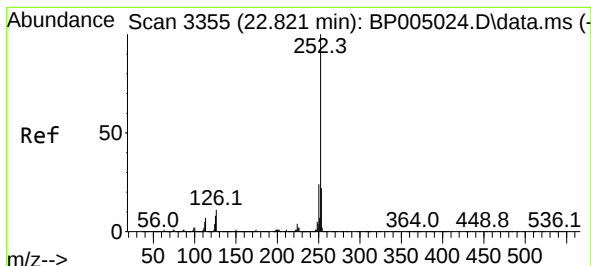
Tgt Ion:264 Resp: 162890
Ion Ratio Lower Upper
264 100
260 21.9 18.8 28.2
265 23.2 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.67 ng
RT: 25.851 min Scan# 3870
Delta R.T. -0.012 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:276 Resp: 142471
Ion Ratio Lower Upper
276 100
138 19.7 18.7 28.1
277 25.2 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 26.68 ng

RT: 22.822 min Scan# 3355

Delta R.T. 0.006 min

Lab File: BP005168.D

Acq: 02 Apr 2021 20:09

Instrument :

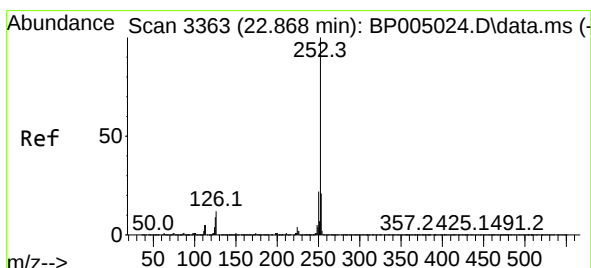
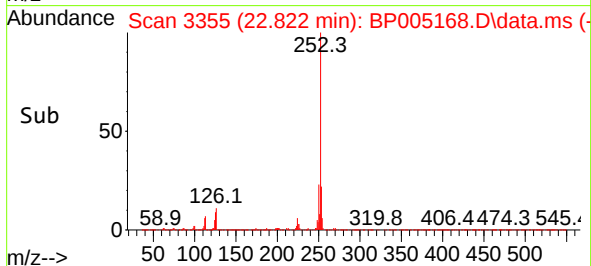
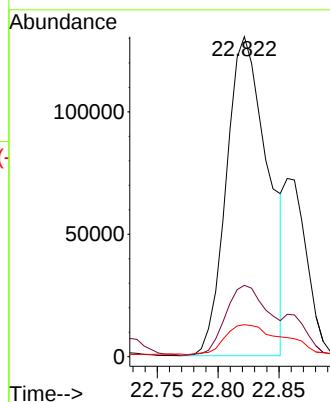
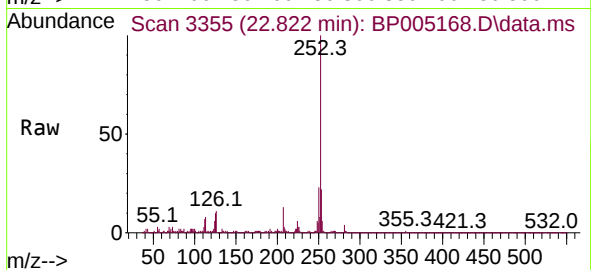
BNA_P

ClientSampled :

B3-0-2

Tgt Ion:252 Resp: 308570

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.0	7.3	10.9



#89

Benzo(k)fluoranthene

Concen: 27.84 ng

RT: 22.822 min Scan# 3355

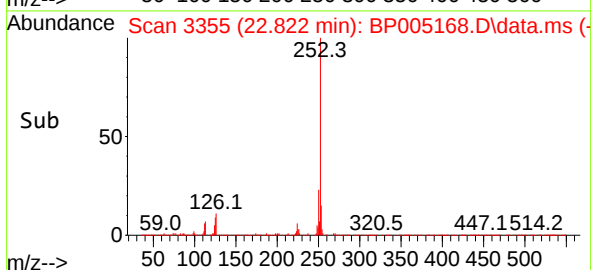
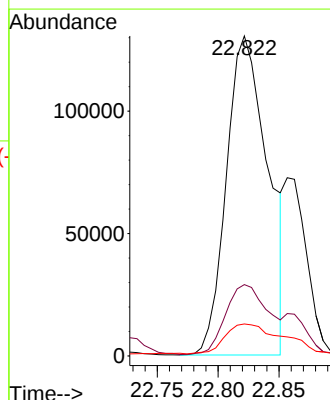
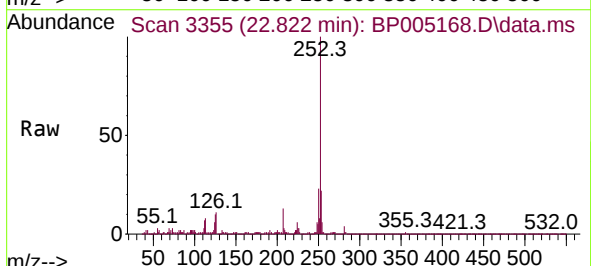
Delta R.T. -0.041 min

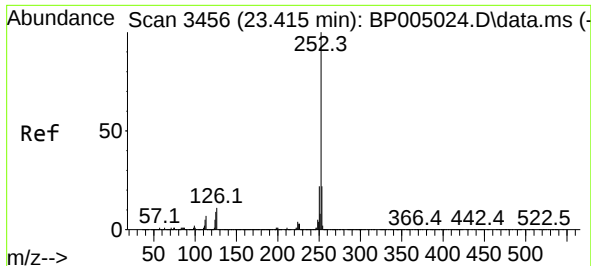
Lab File: BP005168.D

Acq: 02 Apr 2021 20:09

Tgt Ion:252 Resp: 308570

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.0	7.4	11.2

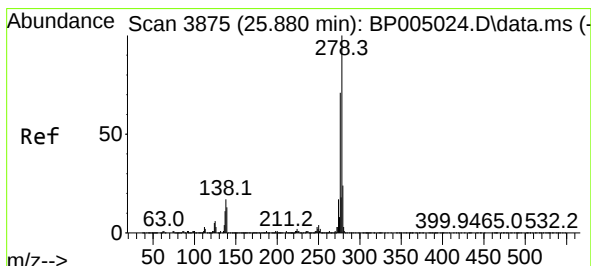
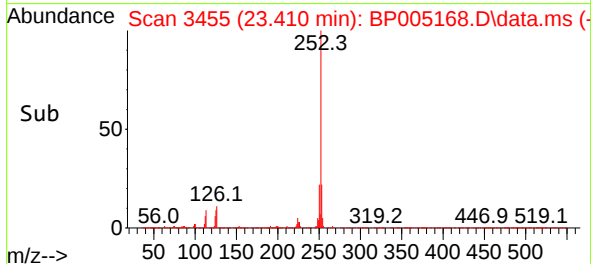
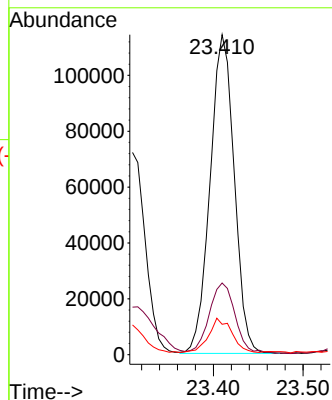
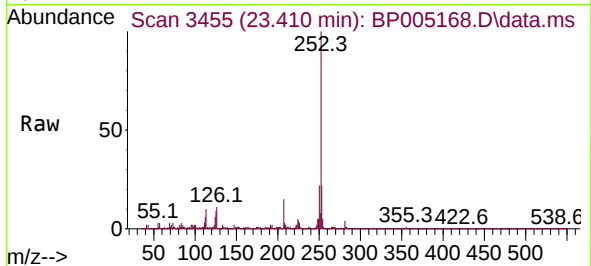




#90
Benzo(a)pyrene
Concen: 20.57 ng
RT: 23.410 min Scan# 3455
Delta R.T. -0.000 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

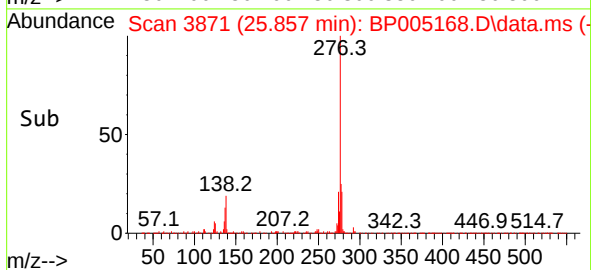
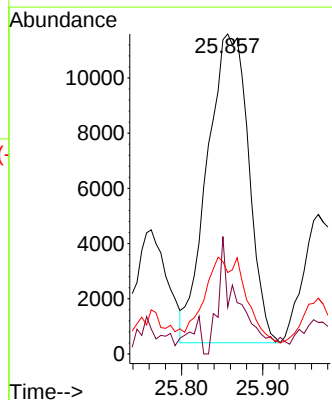
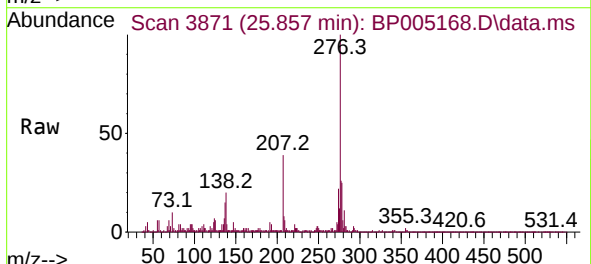
Instrument :
BNA_P
ClientSampled :
B3-0-2

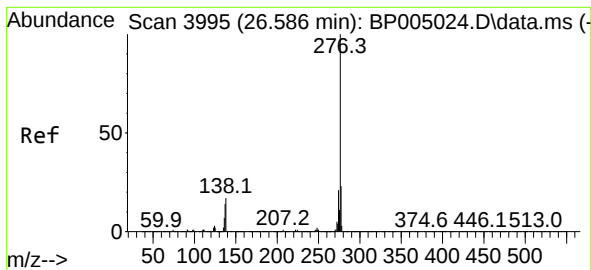
Tgt Ion:252 Resp: 213399
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 9.5 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 3.75 ng
RT: 25.857 min Scan# 3871
Delta R.T. -0.018 min
Lab File: BP005168.D
Acq: 02 Apr 2021 20:09

Tgt Ion:278 Resp: 39632
Ion Ratio Lower Upper
278 100
139 14.7 12.4 18.6
279 25.5 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 12.84 ng
 RT: 26.580 min Scan# 3994
 Delta R.T. -0.000 min
 Lab File: BP005168.D
 Acq: 02 Apr 2021 20:09

Instrument :
 BNA_P
 ClientSampleId :
 B3-0-2

Tgt Ion:	276	Resp:	130869
Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.0	28.6
138	22.4	16.6	24.8

