

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041221\
 Data File : BP005277.D
 Acq On : 12 Apr 2021 21:23
 Operator : CG/JU
 Sample : M1996-02 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 26878

Quant Time: Apr 13 00:28:21 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP040921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 09 18:44:11 2021
 Response via : Initial Calibration

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

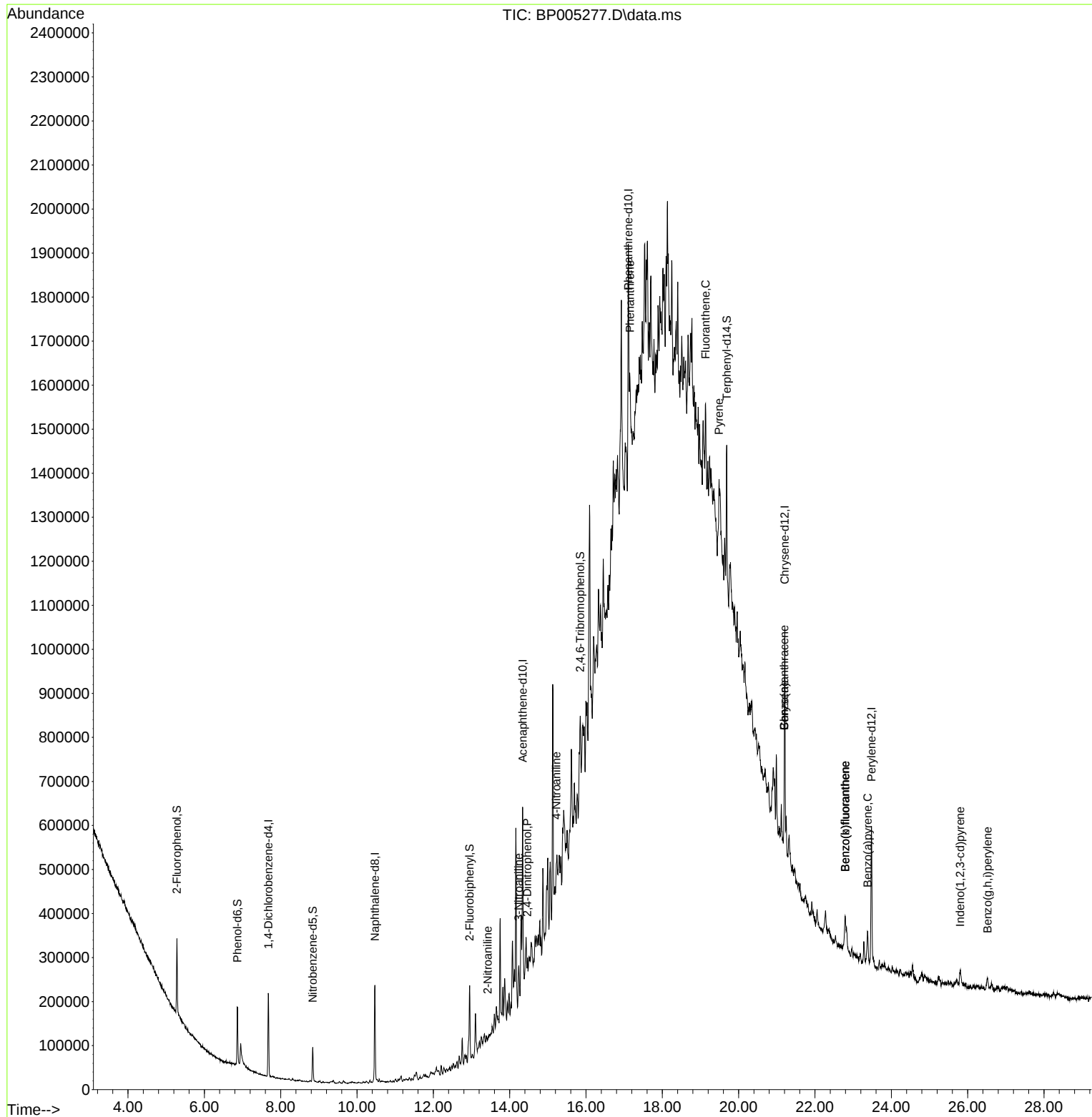
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	42951	20.00	ng	# 0.00
21) Naphthalene-d8	10.469	136	145877	20.00	ng	# 0.00
39) Acenaphthene-d10	14.339	164	93086	20.00	ng	0.00
64) Phenanthrene-d10	17.110	188	206292	20.00	ng	# 0.00
76) Chrysene-d12	21.210	240	203765	20.00	ng	0.00
86) Perylene-d12	23.480	264	208833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	70023	17.11	ng	0.00
7) Phenol-d6	6.863	99	75314	16.13	ng	0.00
23) Nitrobenzene-d5	8.840	82	49267	10.65	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	18935	16.11	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	72476	10.51	ng	0.00
79) Terphenyl-d14	19.686	244	116162	11.20	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.422	65	458	3.69	ng	# 26
53) 3-Nitroaniline	14.239	138	2771	4.20	ng	# 54
54) 2,4-Dinitrophenol	14.463	184	23	6.17	ng	# 1
62) 4-Nitroaniline	15.222	138	6382	5.97	ng	90
71) Phenanthrene	17.151	178	62917	5.40	ng	# 88
75) Fluoranthene	19.133	202	84094	5.88	ng	94
78) Pyrene	19.486	202	77071	6.09	ng	# 95
81) Benzo(a)anthracene	21.192	228	43419	3.23	ng	93
83) Chrysene	21.192	228	43419	3.32	ng	96
87) Indeno(1,2,3-cd)pyrene	25.804	276	32798	2.05	ng	# 83
88) Benzo(b)fluoranthene	22.792	252	80601	5.90	ng	# 89
89) Benzo(k)fluoranthene	22.792	252	80601	6.15	ng	# 90
90) Benzo(a)pyrene	23.380	252	42160	3.33	ng	# 94
92) Benzo(g,h,i)perylene	26.521	276	34282	2.55	ng	# 92

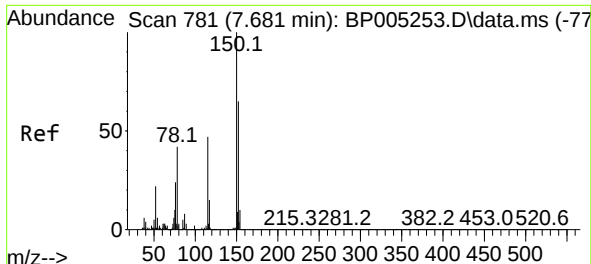
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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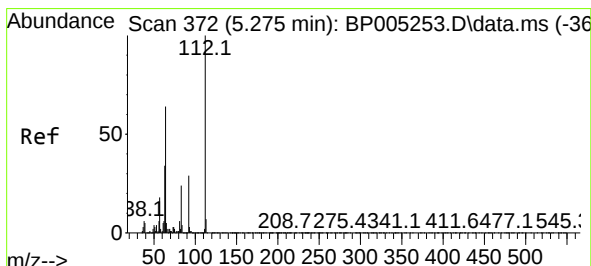
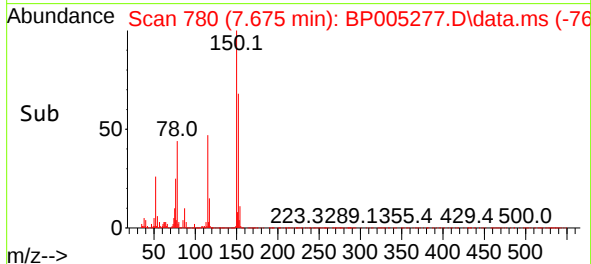
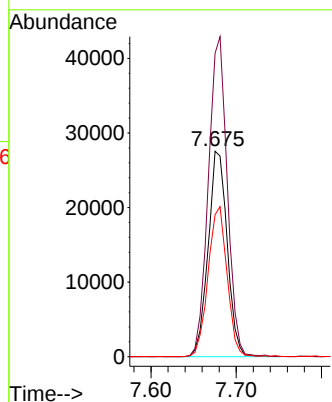
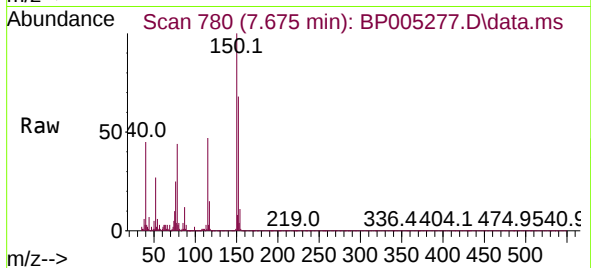




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 780
Delta R.T. -0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

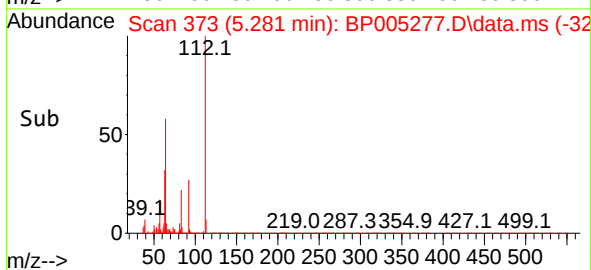
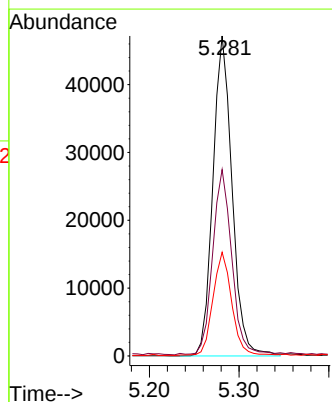
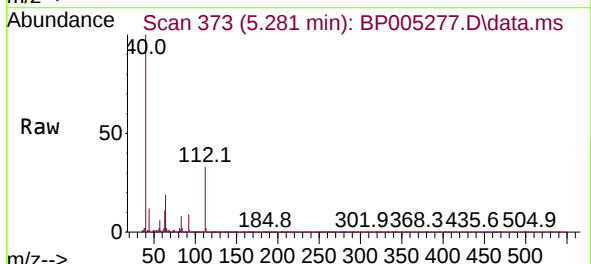
Instrument :
BNA_P
ClientSampleId :
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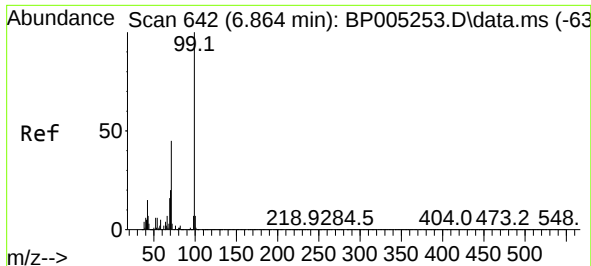
Tgt Ion:152 Resp: 42951
Ion Ratio Lower Upper
152 100
150 147.6 123.8 185.6
115 69.1 43.8 65.6#



#5
2-Fluorophenol
Concen: 17.11 ng
RT: 5.281 min Scan# 373
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:112 Resp: 70023
Ion Ratio Lower Upper
112 100
64 58.2 32.8 49.2#
63 32.4 17.0 25.4#

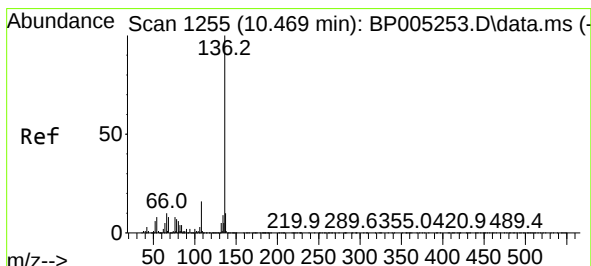
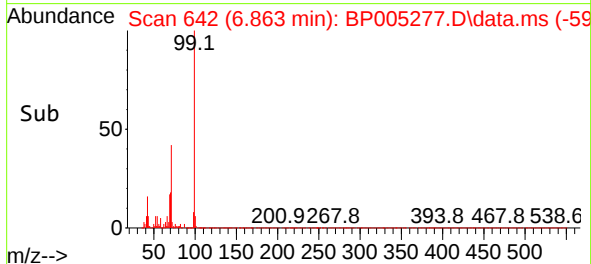
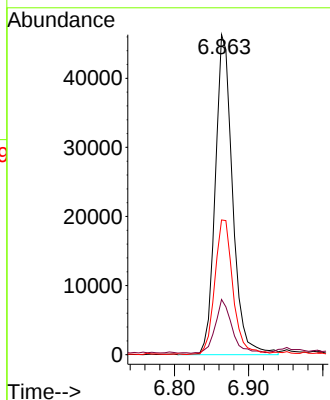
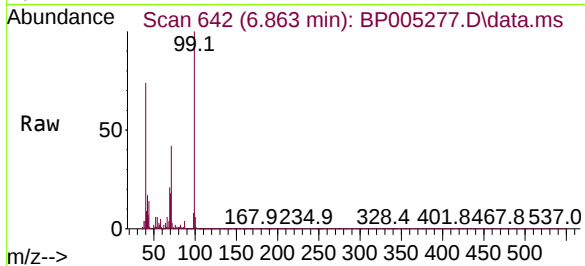




#7
Phenol-d6
Concen: 16.13 ng
RT: 6.863 min Scan# 642
Delta R.T. -0.000 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

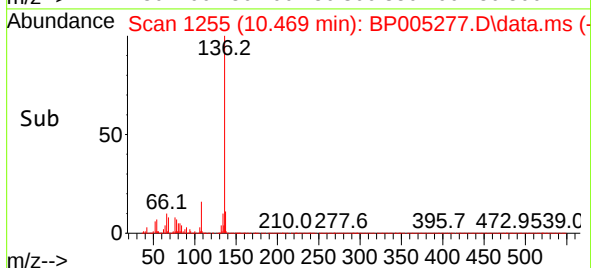
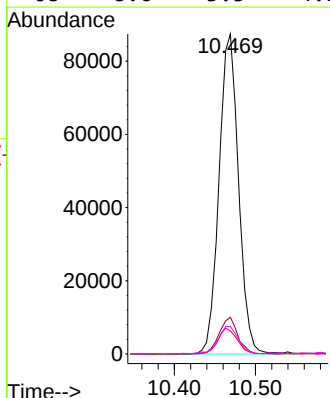
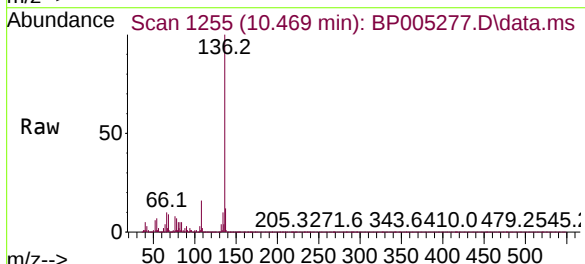
Instrument :
BNA_P
ClientSampleId :
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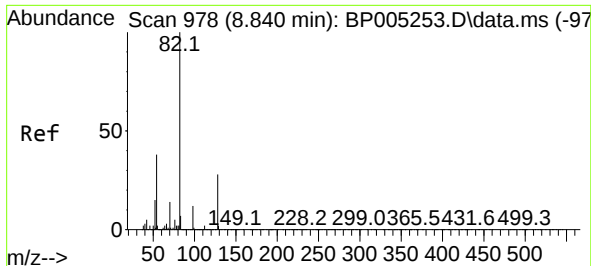
Tgt Ion: 99 Resp: 75314
Ion Ratio Lower Upper
99 100
42 17.2 8.6 13.0#
71 42.1 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.469 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion: 136 Resp: 145877
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 7.2 3.6 5.4#
68 8.6 3.3 4.9#

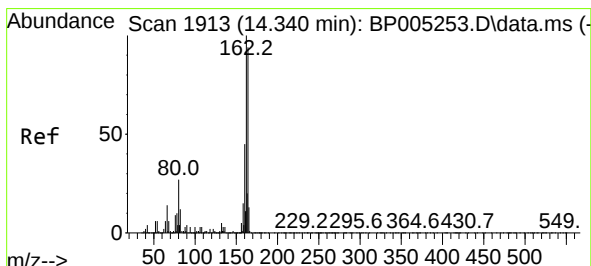
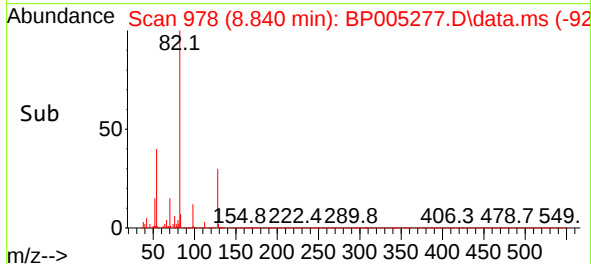
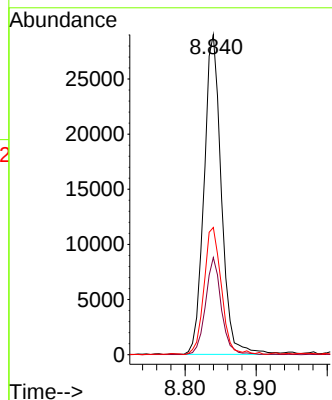
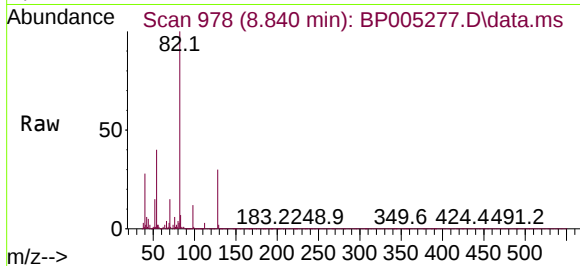




#23
Nitrobenzene-d5
Concen: 10.65 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.000 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

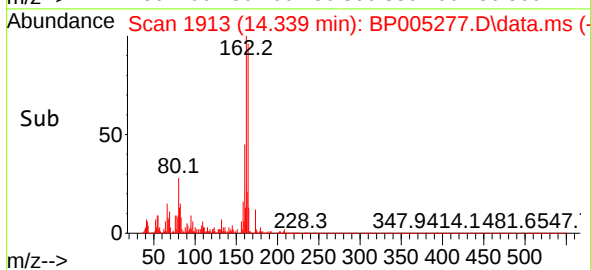
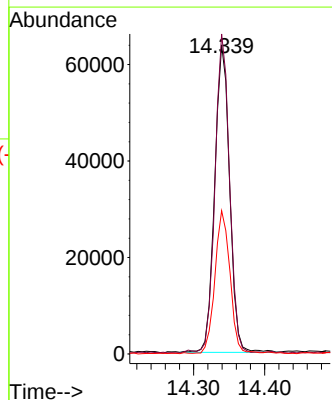
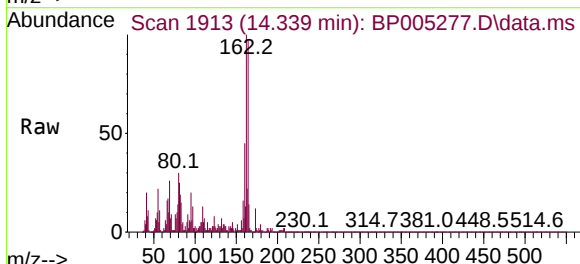
Instrument :
BNA_P
ClientSampleId :
26878

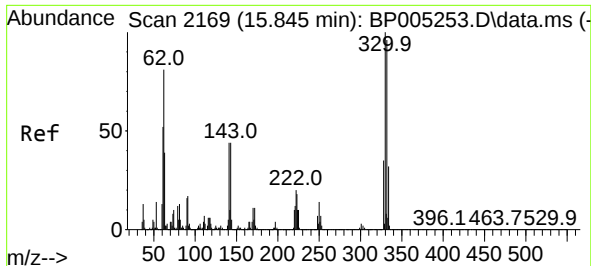
Tgt Ion: 82 Resp: 49267
Ion Ratio Lower Upper
82 100
128 30.4 45.6 68.4#
54 39.8 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.001 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion: 164 Resp: 93086
Ion Ratio Lower Upper
164 100
162 103.5 79.4 119.2
160 46.4 36.1 54.1

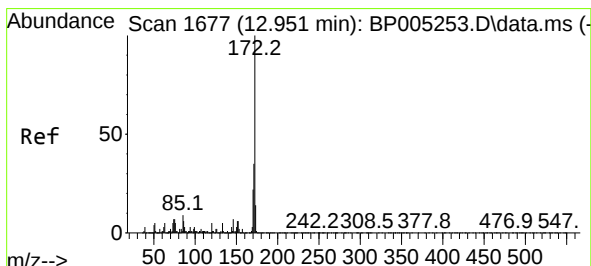
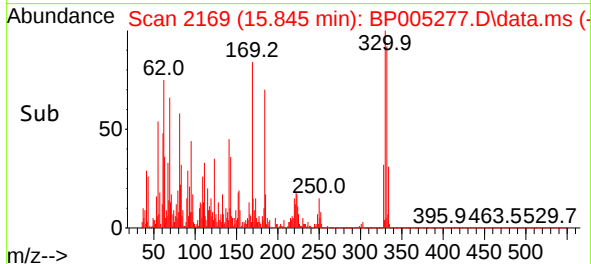
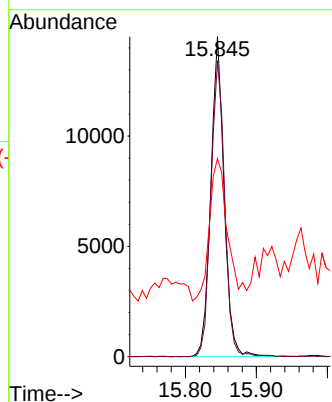
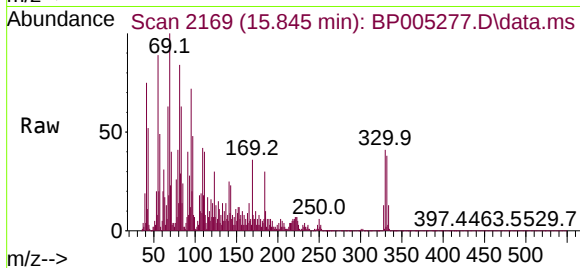




#42
2,4,6-Tribromophenol
Concen: 16.11 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

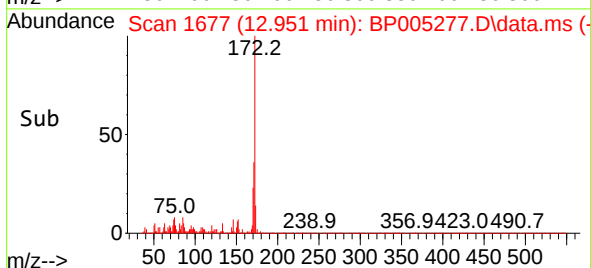
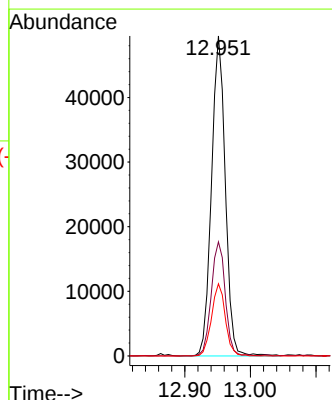
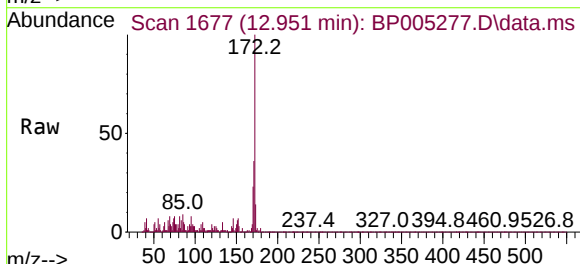
Instrument :
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ClientSampleId :
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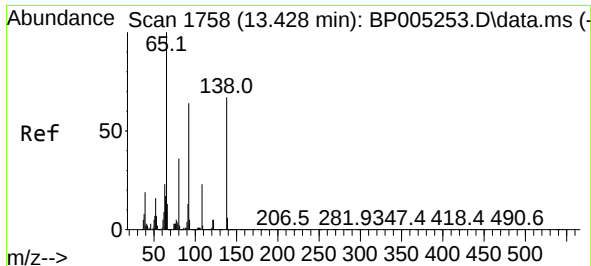
Tgt Ion:330 Resp: 18935
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 60.1 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 10.51 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:172 Resp: 72476
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 22.6 19.2 28.8

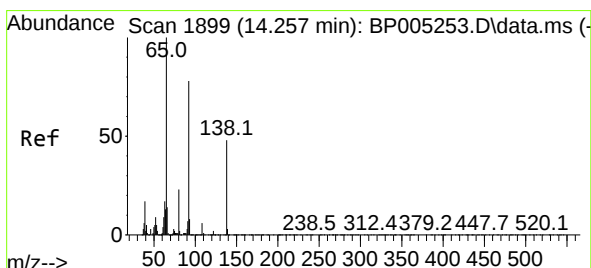
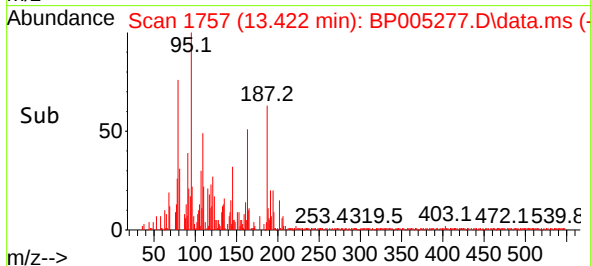
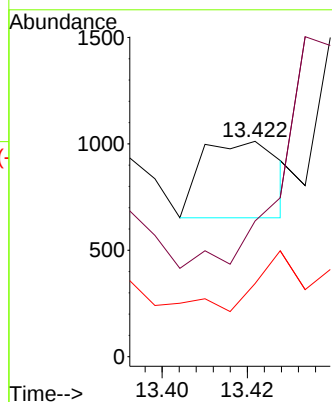
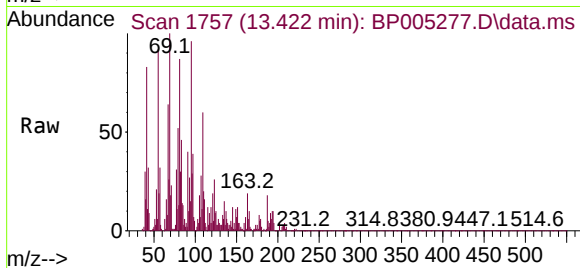




#48
2-Nitroaniline
Concen: 3.69 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

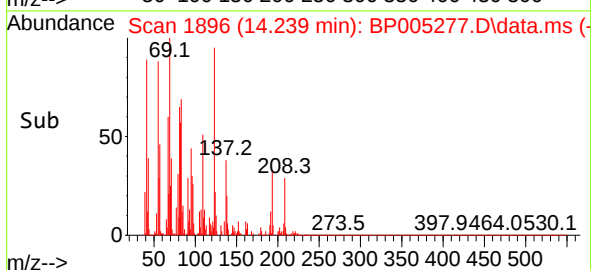
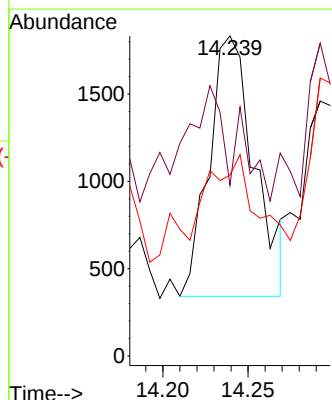
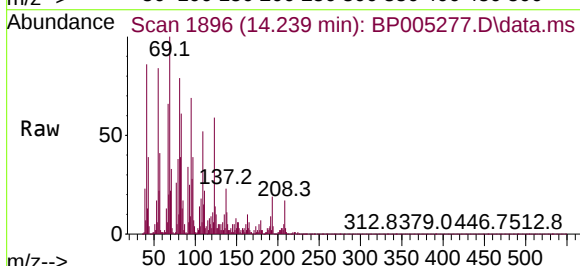
Instrument :
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ClientSampleId :
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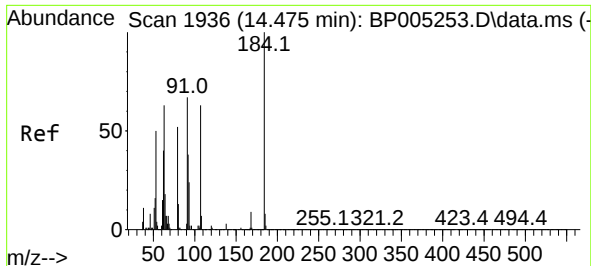
Tgt Ion: 65 Resp: 458
Ion Ratio Lower Upper
65 100
92 63.0 70.6 106.0#
138 34.0 133.6 200.4#



#53
3-Nitroaniline
Concen: 4.20 ng
RT: 14.239 min Scan# 1896
Delta R.T. -0.018 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion: 138 Resp: 2771
Ion Ratio Lower Upper
138 100
108 53.4 7.5 11.3#
92 56.5 75.0 112.6#

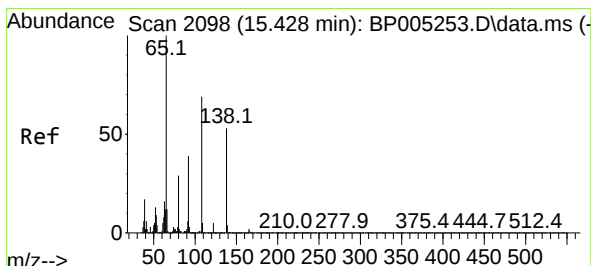
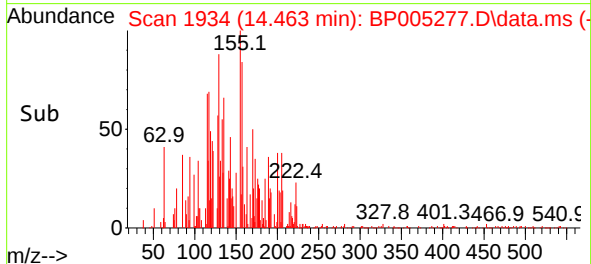
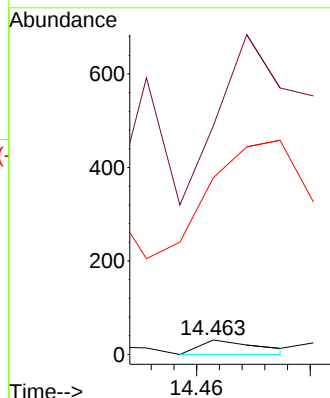
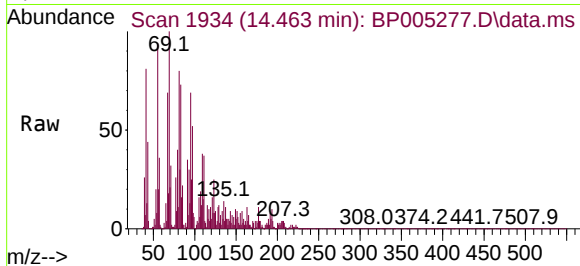




#54
2,4-Dinitrophenol
Concen: 6.17 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

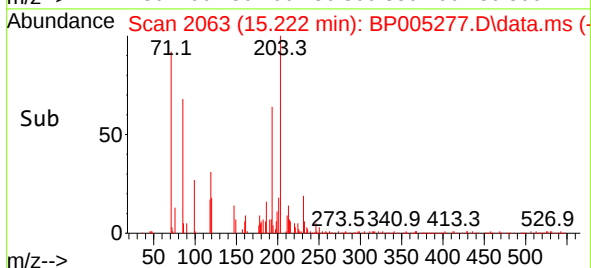
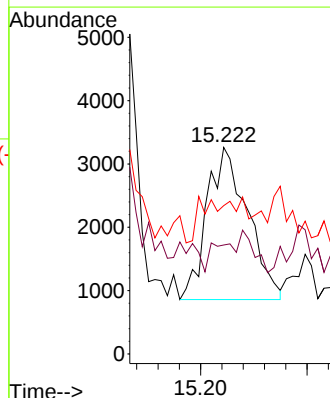
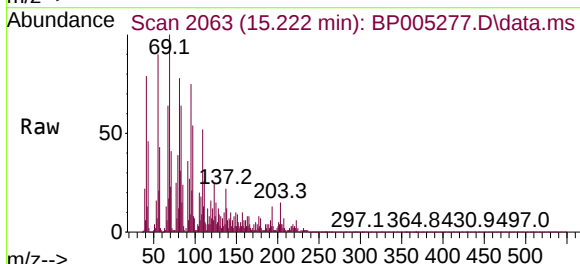
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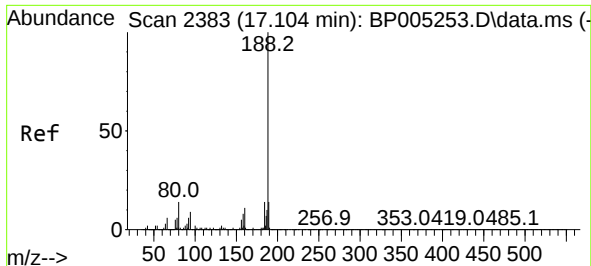
Tgt Ion:184 Resp: 23
Ion Ratio Lower Upper
184 100
63 1577.4 32.3 48.5#
154 1219.4 49.1 73.7#



#62
4-Nitroaniline
Concen: 5.97 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.206 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:138 Resp: 6382
Ion Ratio Lower Upper
138 100
92 52.8 20.7 60.7
108 71.8 47.8 87.8

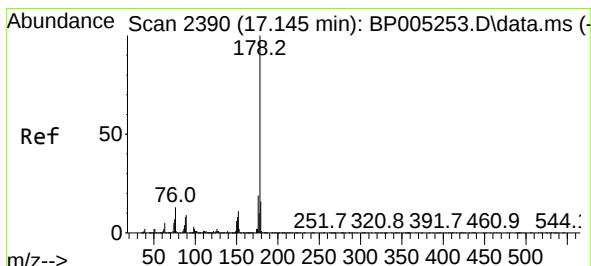
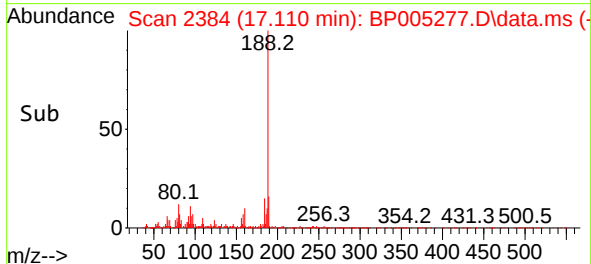
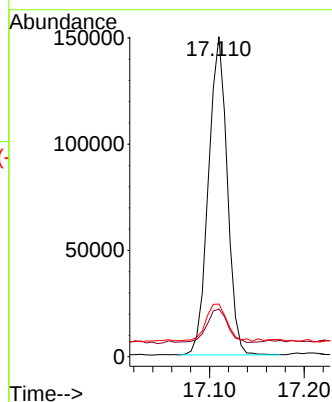
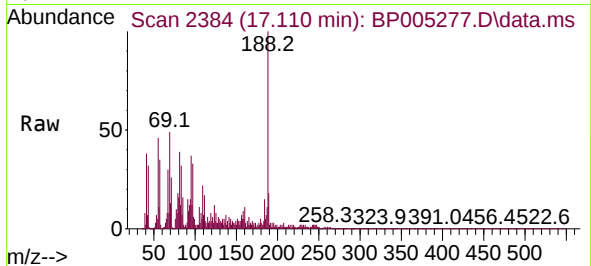




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.110 min Scan# 2384
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

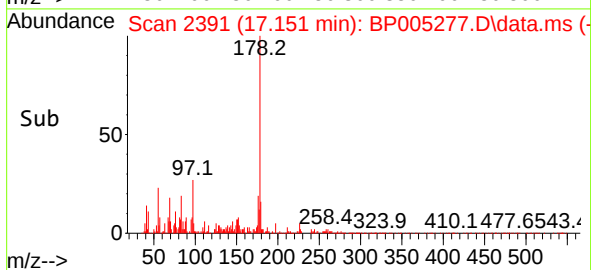
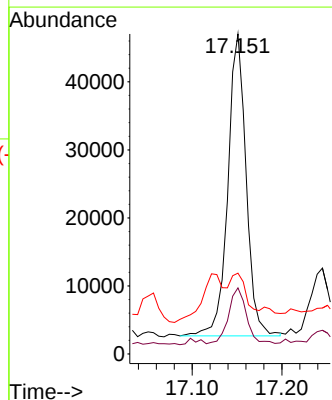
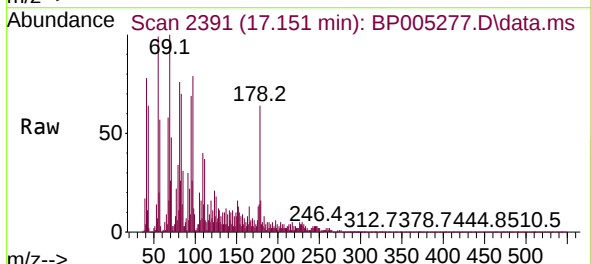
Instrument :
BNA_P
ClientSampled :
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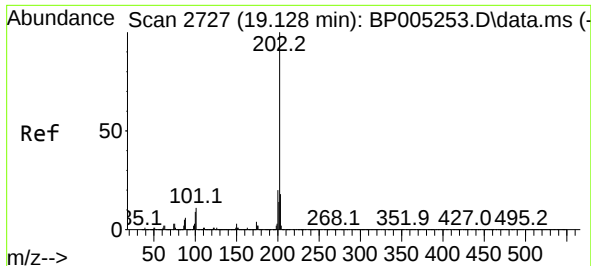
Tgt Ion:188 Resp: 206292
Ion Ratio Lower Upper
188 100
94 14.9 6.2 9.2#
80 16.5 6.2 9.2#



#71
Phenanthrene
Concen: 5.40 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:178 Resp: 62917
Ion Ratio Lower Upper
178 100
176 20.7 15.3 22.9
179 25.3 12.5 18.7#

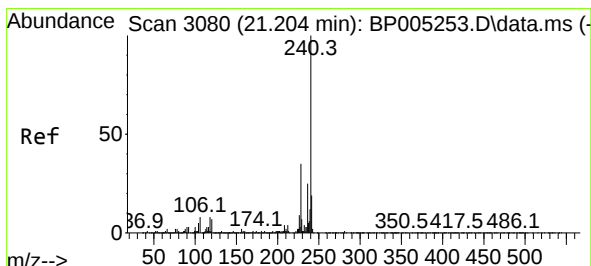
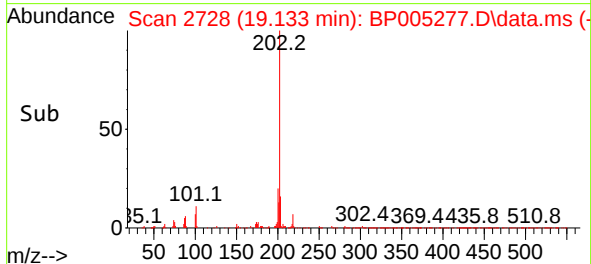
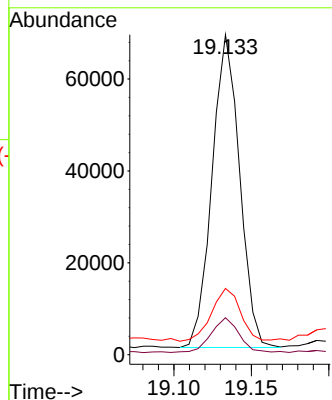
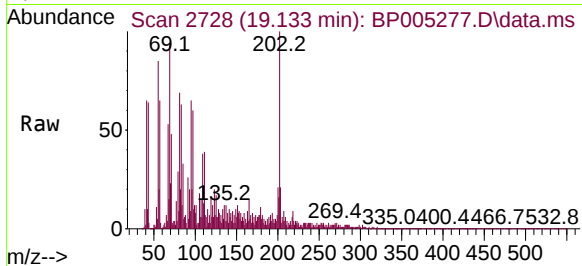




#75
Fluoranthene
Concen: 5.88 ng
RT: 19.133 min Scan# 2728
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

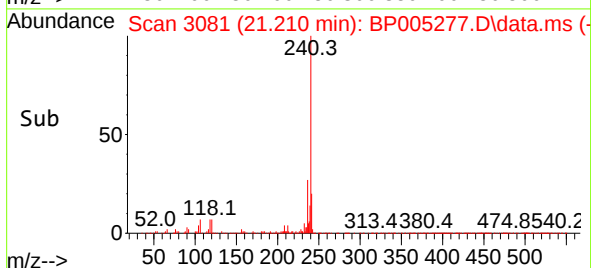
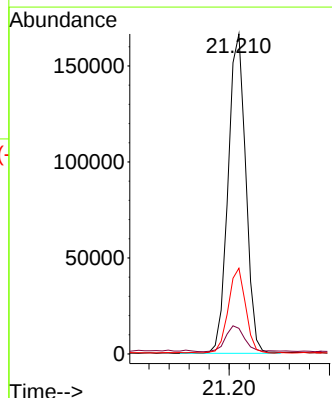
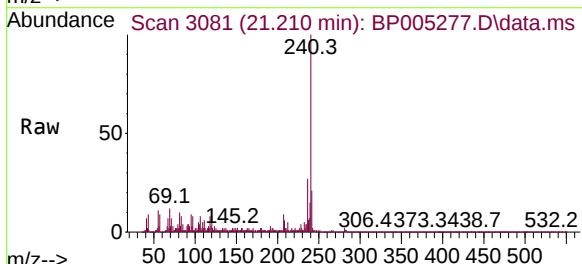
Instrument :
BNA_P
ClientSampleId :
26878

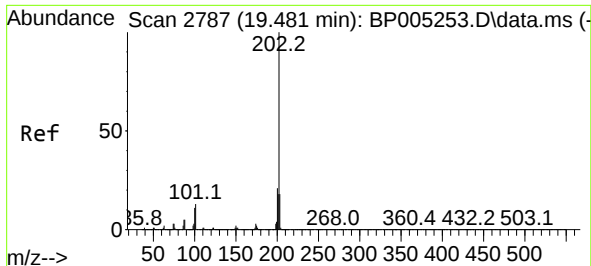
Tgt Ion:	202	Resp:	84094
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	29.4
203	20.7	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.210 min Scan# 3081
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:	240	Resp:	203765
Ion Ratio	Lower	Upper	
240	100		
120	8.0	7.8	11.6
236	26.8	20.8	31.2

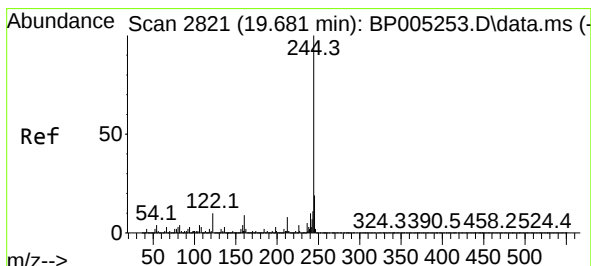
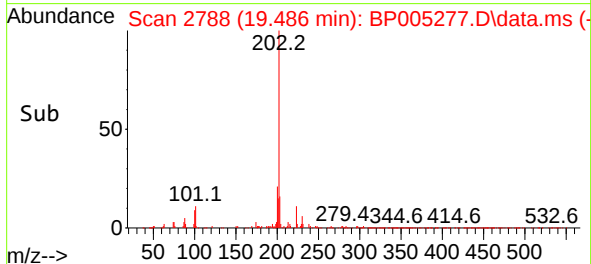
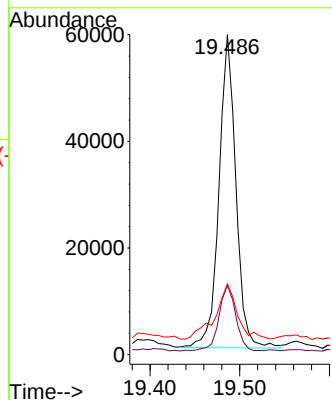
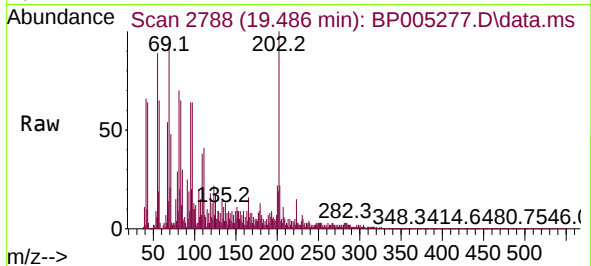




#78
Pyrene
Concen: 6.09 ng
RT: 19.486 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

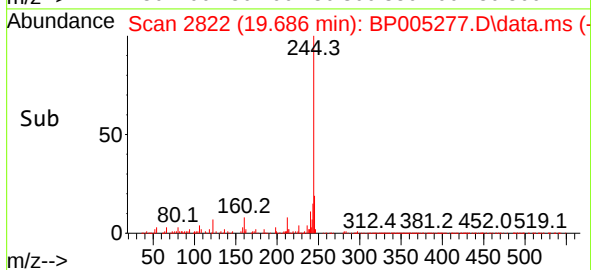
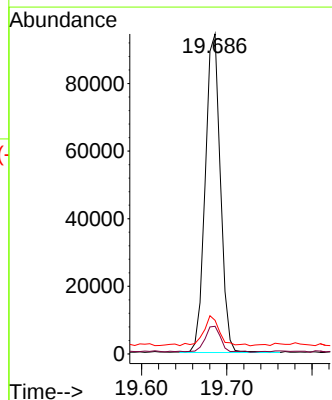
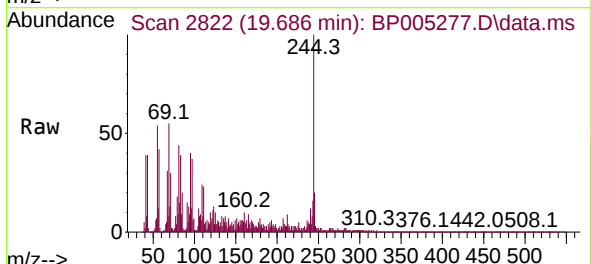
Instrument :
BNA_P
ClientSampleId :
26878

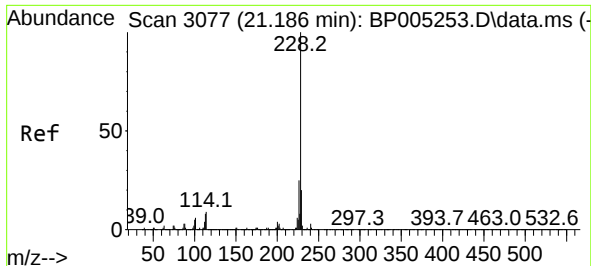
Tgt Ion:202 Resp: 77071
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 22.2 14.2 21.2#



#79
Terphenyl-d14
Concen: 11.20 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:244 Resp: 116162
Ion Ratio Lower Upper
244 100
212 8.6 5.8 8.6#
122 10.5 7.8 11.8

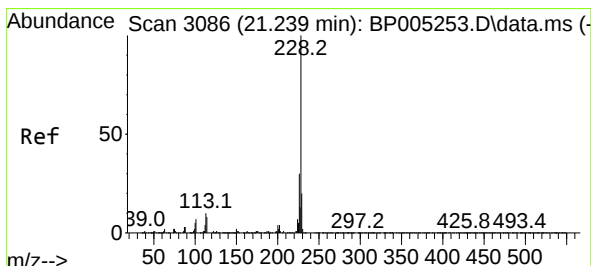
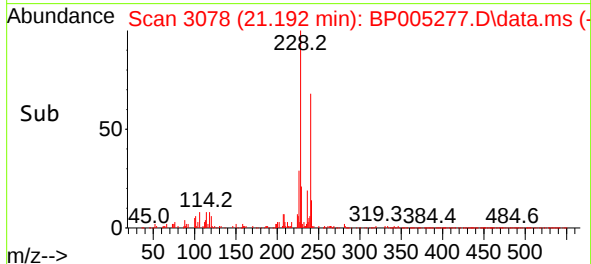
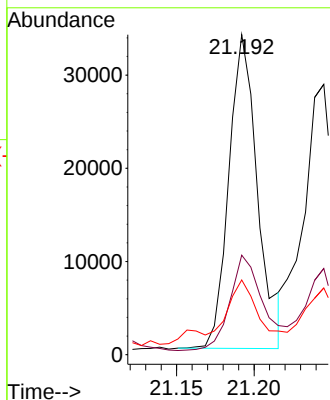
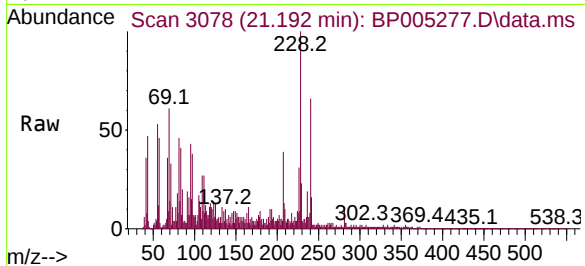




#81
Benzo(a)anthracene
Concen: 3.23 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

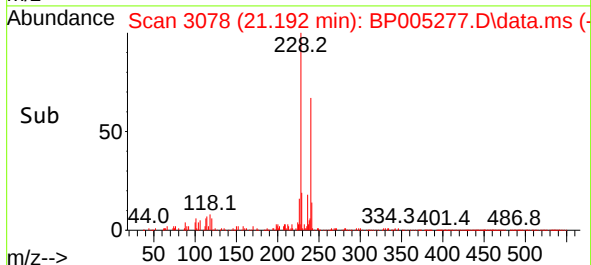
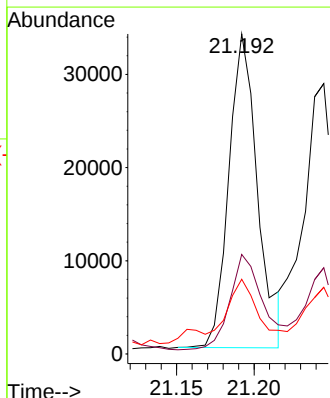
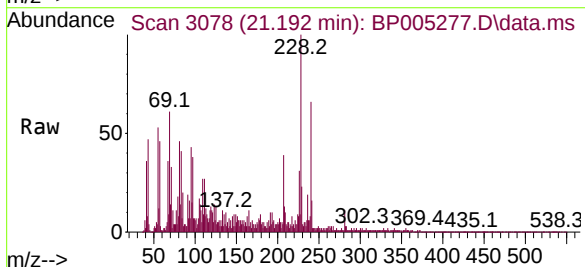
Instrument :
BNA_P
ClientSampleId :
26878

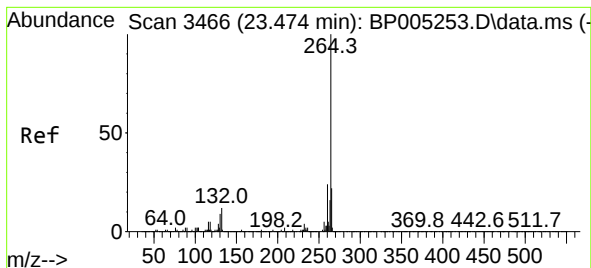
Tgt Ion:228 Resp: 43419
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 23.4 15.9 23.9



#83
Chrysene
Concen: 3.32 ng
RT: 21.192 min Scan# 3078
Delta R.T. -0.047 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:228 Resp: 43419
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 23.4 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.480 min Scan# 3467

Delta R.T. 0.006 min

Lab File: BP005277.D

Acq: 12 Apr 2021 21:23

Instrument :

BNA_P

ClientSampleId :

26878

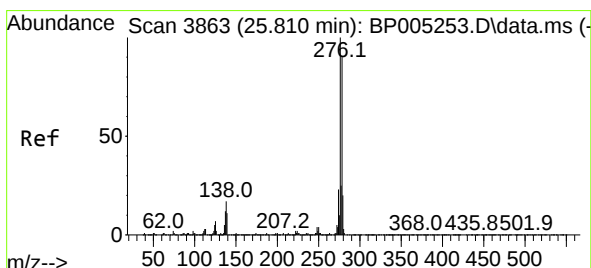
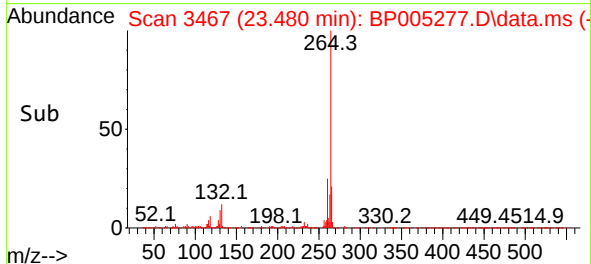
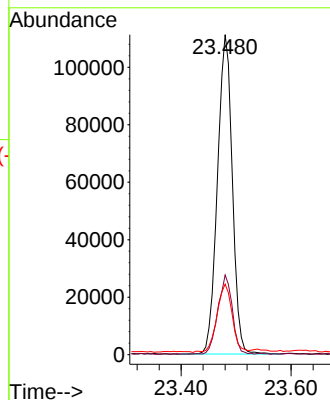
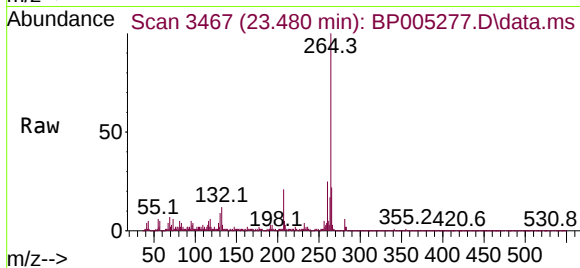
Tgt Ion:264 Resp: 208833

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 22.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.05 ng

RT: 25.804 min Scan# 3862

Delta R.T. -0.006 min

Lab File: BP005277.D

Acq: 12 Apr 2021 21:23

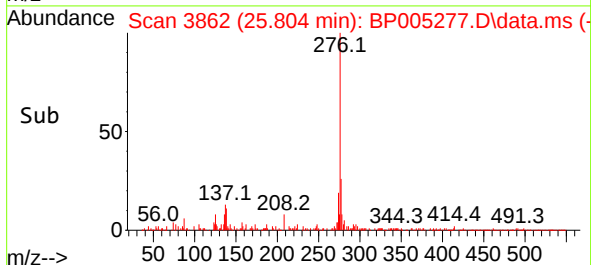
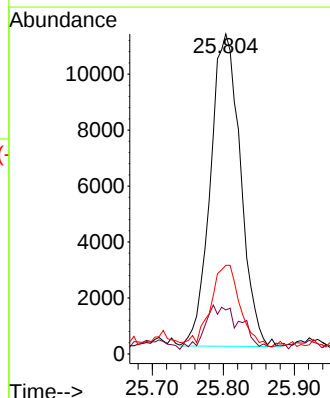
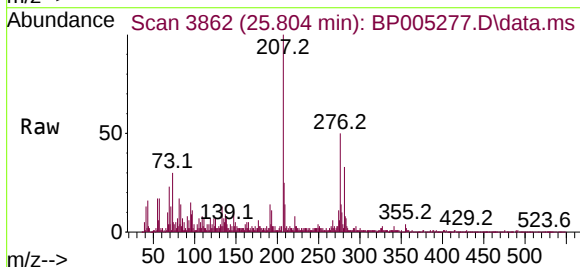
Tgt Ion:276 Resp: 32798

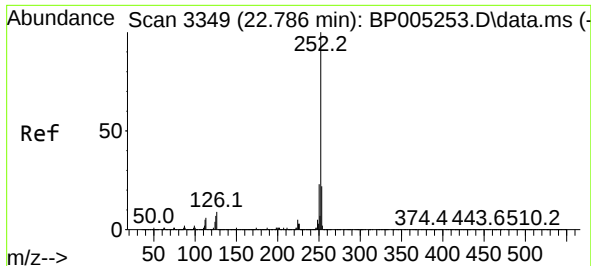
Ion Ratio Lower Upper

276 100

138 6.6 18.7 28.1#

277 26.1 20.4 30.6

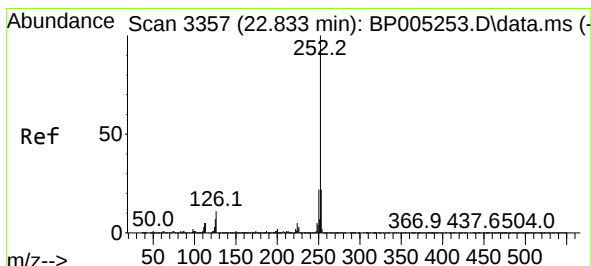
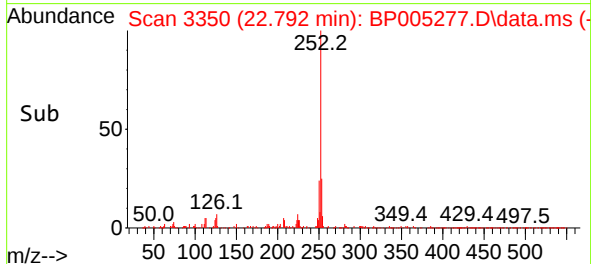
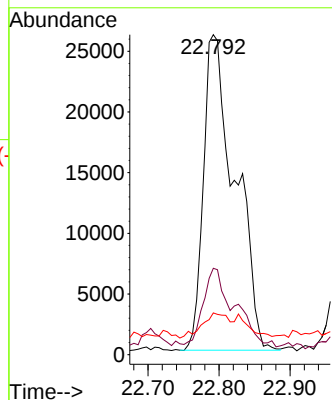
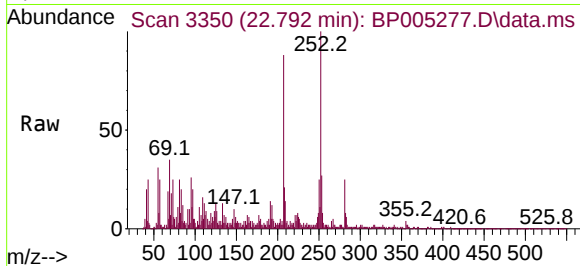




#88
Benzo(b)fluoranthene
Concen: 5.90 ng
RT: 22.792 min Scan# 3350
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

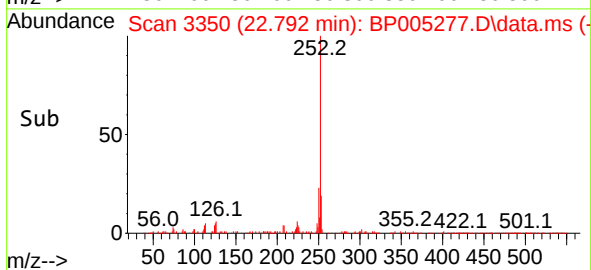
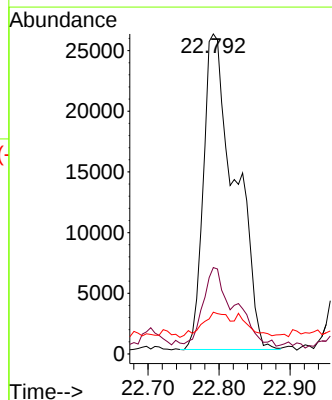
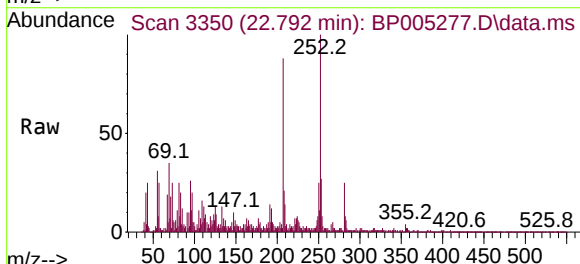
Instrument :
BNA_P
ClientSampleId :
26878

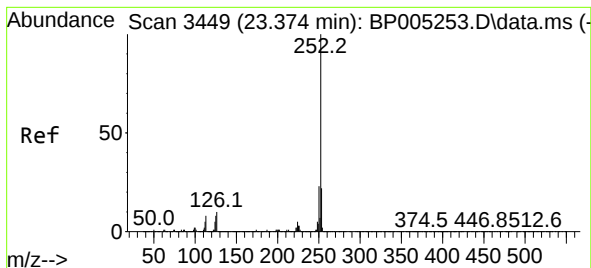
Tgt Ion:252 Resp: 80601
Ion Ratio Lower Upper
252 100
253 27.0 17.6 26.4#
125 13.1 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 6.15 ng
RT: 22.792 min Scan# 3350
Delta R.T. -0.041 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:252 Resp: 80601
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.8#
125 13.1 7.4 11.2#

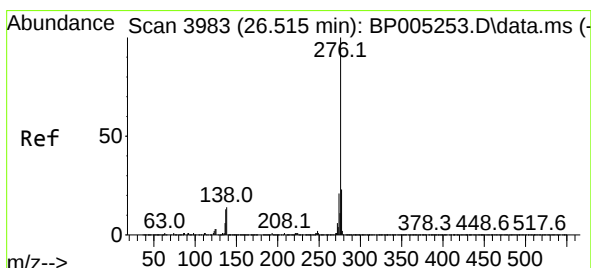
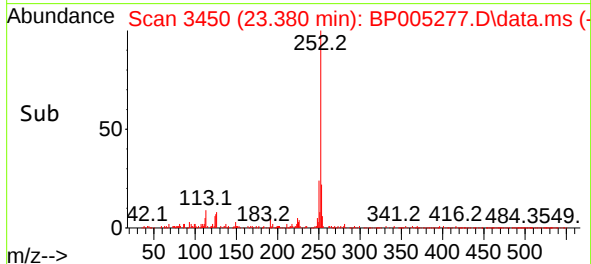
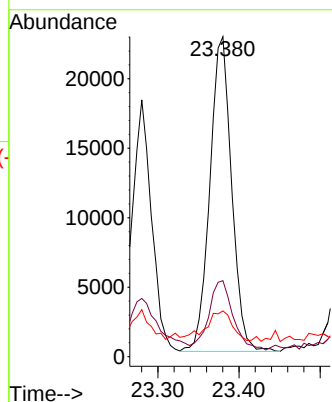
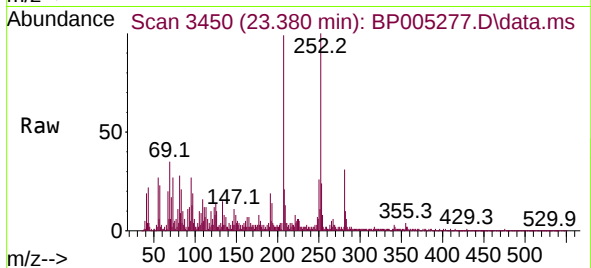




#90
Benzo(a)pyrene
Concen: 3.33 ng
RT: 23.380 min Scan# 3450
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Instrument :
BNA_P
ClientSampled :
26878

Tgt Ion:252 Resp: 42160
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 14.3 8.2 12.4#



#92
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 26.521 min Scan# 3984
Delta R.T. 0.006 min
Lab File: BP005277.D
Acq: 12 Apr 2021 21:23

Tgt Ion:276 Resp: 34282
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.6
138 14.2 16.6 24.8#

