

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040721\
 Data File : BP005231.D
 Acq On : 07 Apr 2021 21:07
 Operator : CG/JU
 Sample : M1954-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Apr 08 00:29:20 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 06 12:33:08 2021
 Response via : Initial Calibration

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

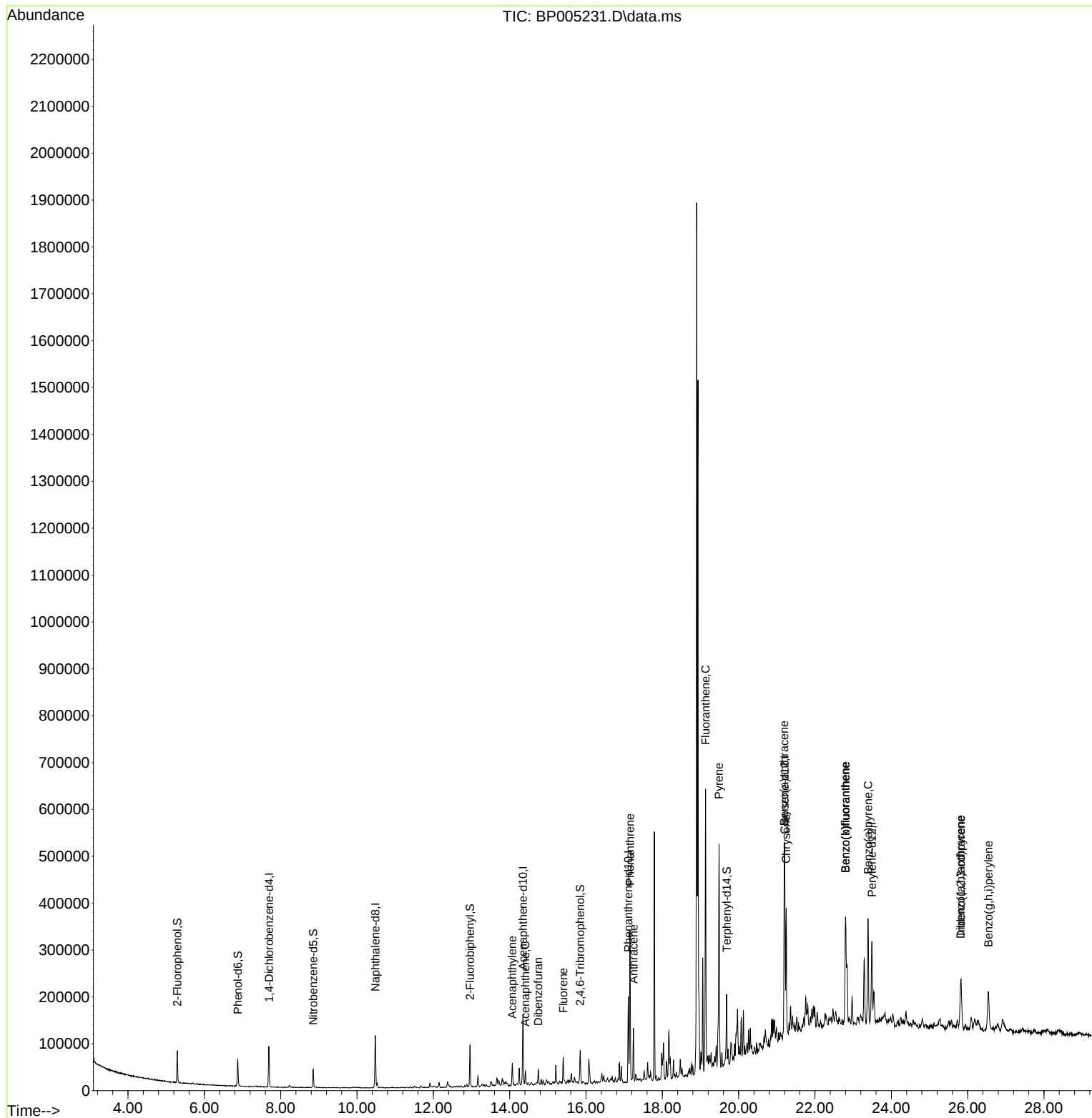
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	23094	20.00	ng	0.00
21) Naphthalene-d8	10.481	136	84419	20.00	ng	# 0.00
39) Acenaphthene-d10	14.345	164	51594	20.00	ng	0.00
64) Phenanthrene-d10	17.110	188	104381	20.00	ng	# 0.00
76) Chrysene-d12	21.210	240	112222	20.00	ng	0.00
86) Perylene-d12	23.492	264	121252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	29662	19.77	ng	0.00
7) Phenol-d6	6.875	99	34458	16.03	ng	0.00
23) Nitrobenzene-d5	8.851	82	24228	12.31	ng	0.00
42) 2,4,6-Tribromophenol	15.845	330	10766	16.02	ng	-0.01
45) 2-Fluorobiphenyl	12.963	172	44379	11.64	ng	0.00
79) Terphenyl-d14	19.686	244	64345	10.44	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.069	152	31473	6.32	ng	99
52) Acenaphthene	14.410	154	10491	3.42	ng	93
55) Dibenzofuran	14.751	168	12189	2.43	ng	# 97
58) Fluorene	15.404	166	23002	5.67	ng	# 95
71) Phenanthrene	17.151	178	180775	29.87	ng	98
72) Anthracene	17.245	178	70344	11.90	ng	99
75) Fluoranthene	19.133	202	284803	40.01	ng	97
78) Pyrene	19.486	202	276264	35.83	ng	98
81) Benzo(a)anthracene	21.192	228	168619	22.12	ng	98
83) Chrysene	21.245	228	145356	19.42	ng	94
87) Indeno(1,2,3-cd)pyrene	25.821	276	102562	11.28	ng	95
88) Benzo(b)fluoranthene	22.798	252	274529	31.88	ng	96
89) Benzo(k)fluoranthene	22.798	252	274529	33.27	ng	97
90) Benzo(a)pyrene	23.392	252	162927	21.10	ng	99
91) Dibenzo(a,h)anthracene	25.815	278	28895	3.68	ng	95
92) Benzo(g,h,i)perylene	26.545	276	97564	12.86	ng	99

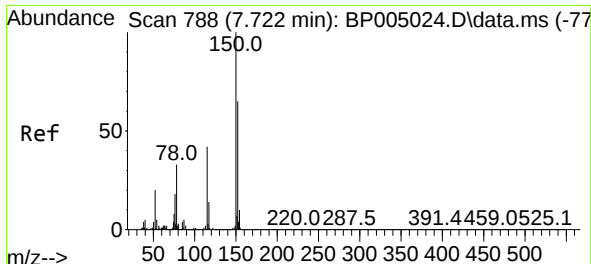
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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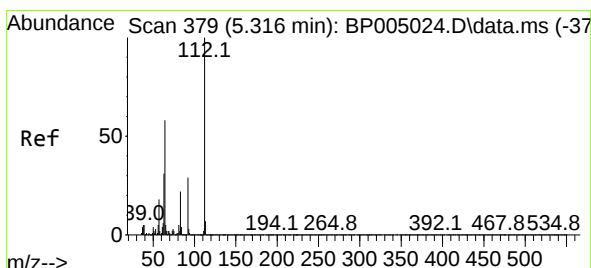
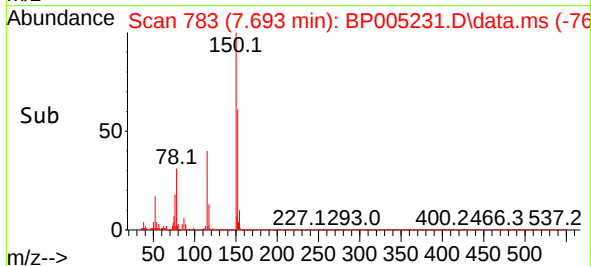
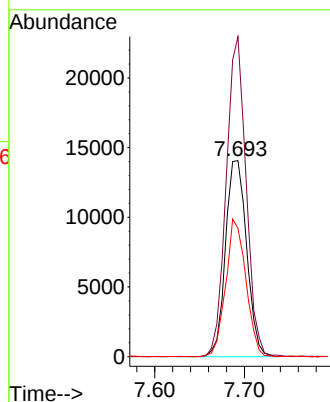
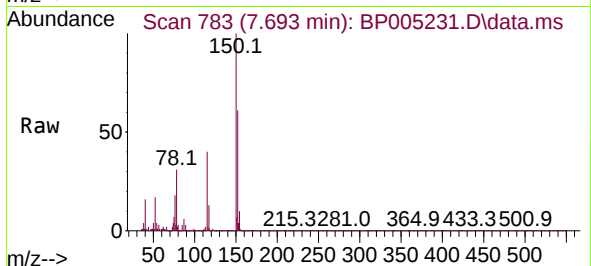




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.693 min Scan# 783
Delta R.T. -0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

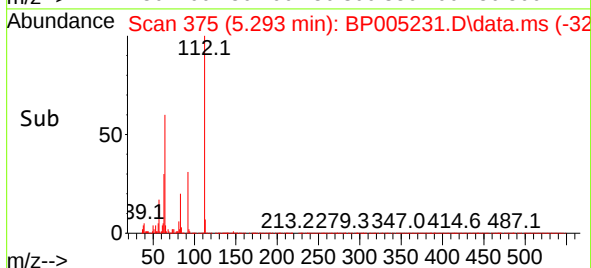
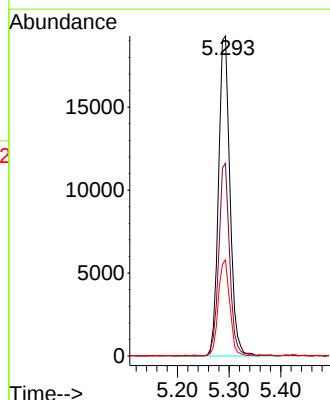
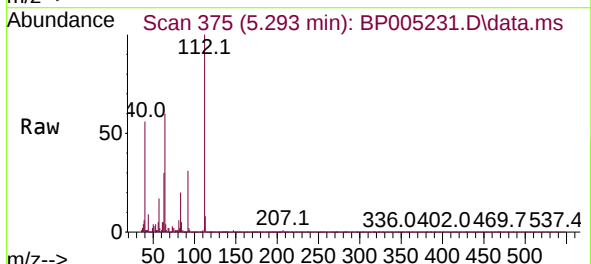
Instrument :
BNA_P
ClientSampleId :

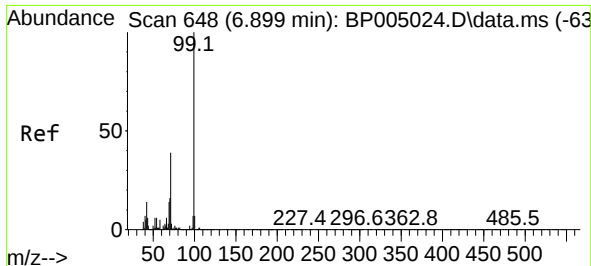
Tgt Ion:152 Resp: 23094
Ion Ratio Lower Upper
152 100
150 163.3 123.8 185.6
115 65.4 43.8 65.6



#5
2-Fluorophenol
Concen: 19.77 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:112 Resp: 29662
Ion Ratio Lower Upper
112 100
64 60.2 32.8 49.2#
63 30.1 17.0 25.4#

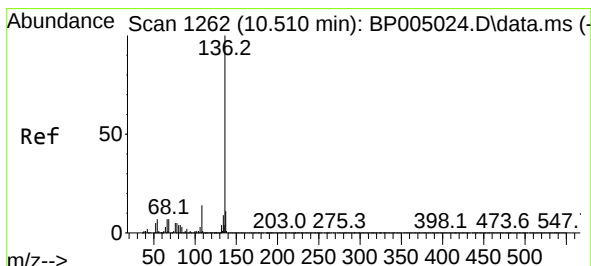
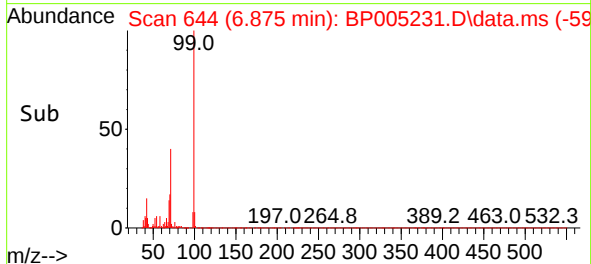
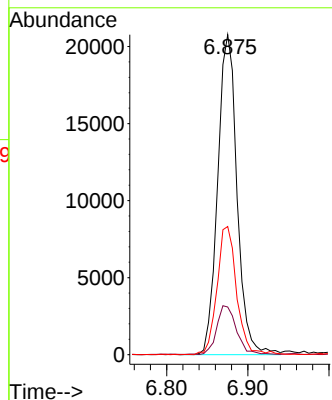
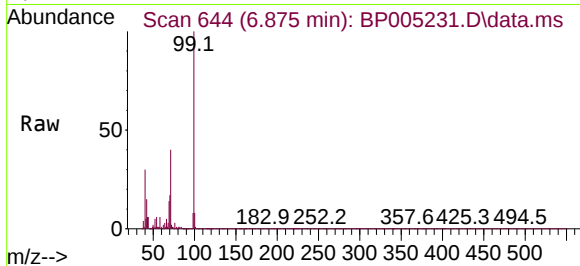




#7
Phenol-d6
Concen: 16.03 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

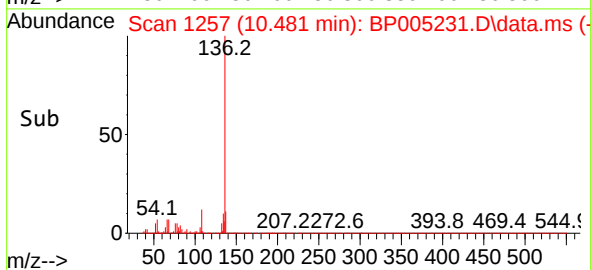
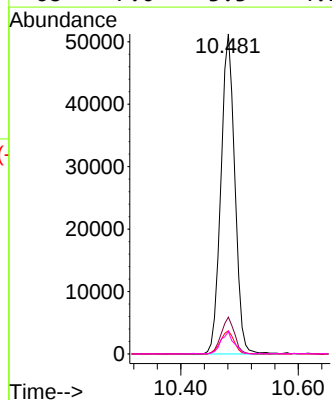
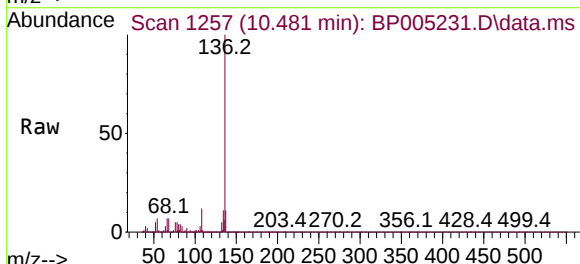
Instrument :
BNA_P
ClientSampleId :

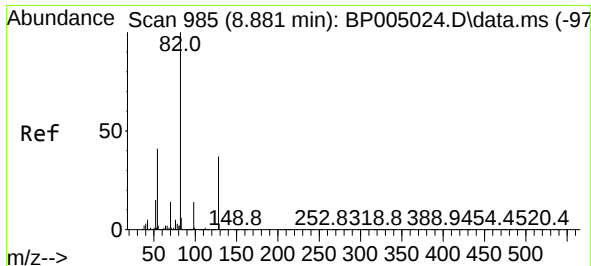
Tgt Ion: 99 Resp: 34458
Ion Ratio Lower Upper
99 100
42 14.9 8.6 13.0#
71 40.0 23.4 35.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:136 Resp: 84419
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 7.3 3.6 5.4#
68 7.0 3.3 4.9#

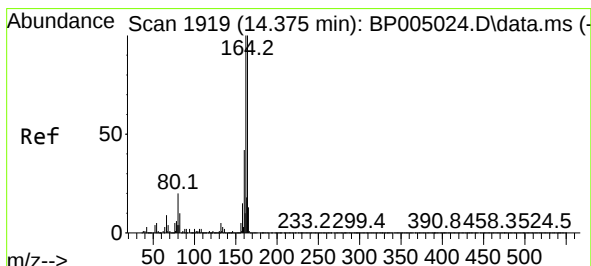
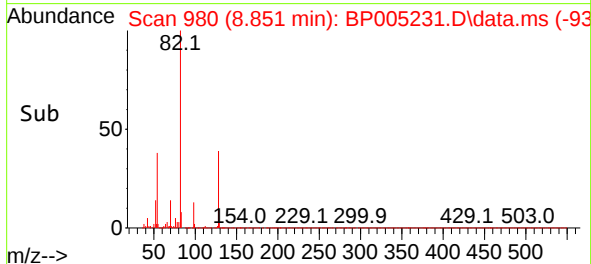
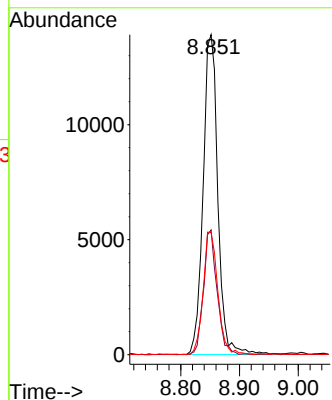
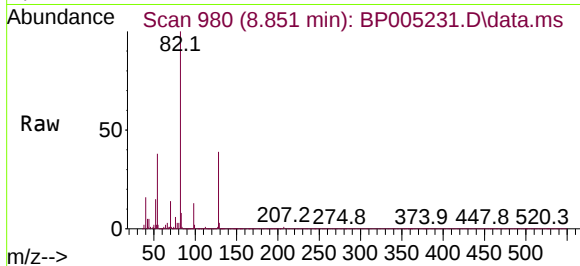




#23
Nitrobenzene-d5
Concen: 12.31 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

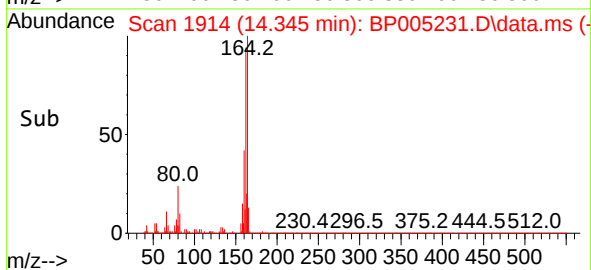
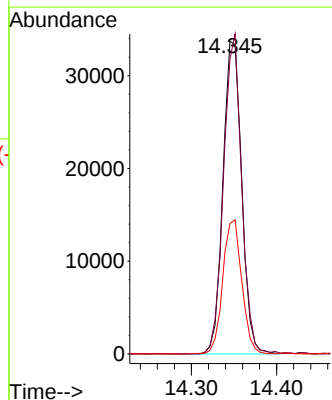
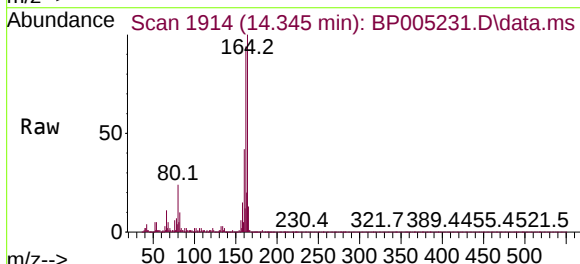
Instrument :
BNA_P
ClientSampleId :

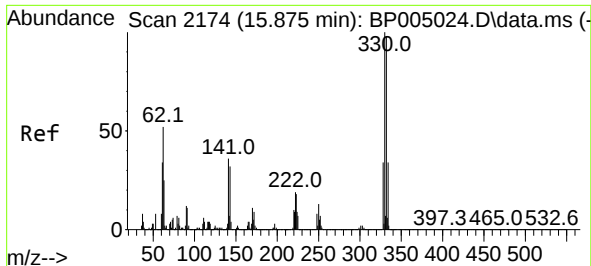
Tgt Ion: 82 Resp: 24228
Ion Ratio Lower Upper
82 100
128 39.0 45.6 68.4#
54 38.2 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion: 164 Resp: 51594
Ion Ratio Lower Upper
164 100
162 94.4 79.4 119.2
160 41.7 36.1 54.1

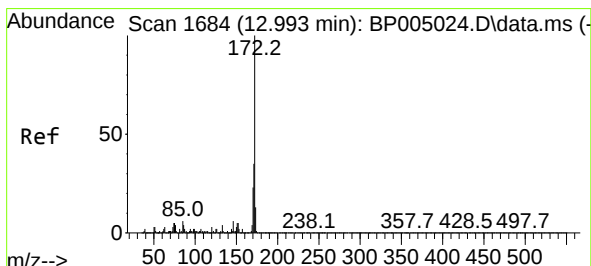
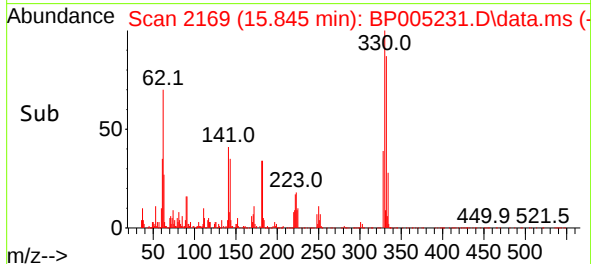
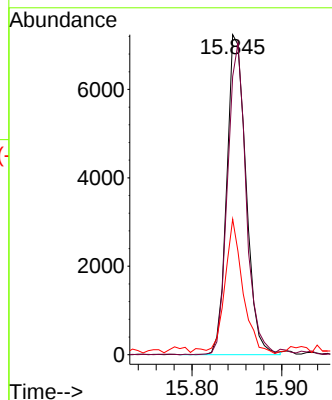
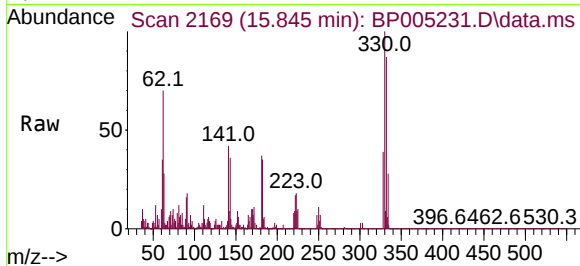




#42
2,4,6-Tribromophenol
Concen: 16.02 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.012 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

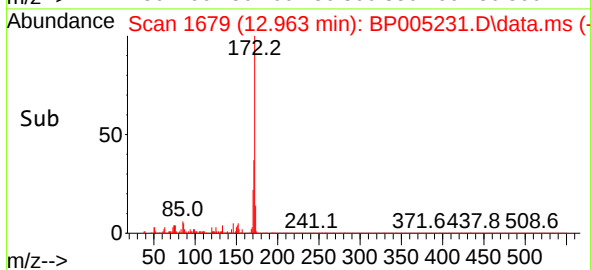
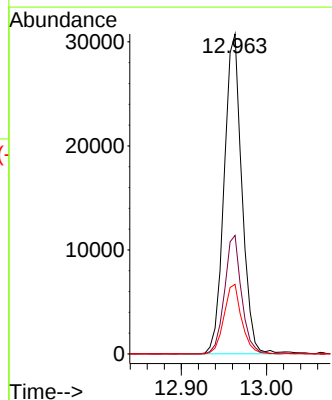
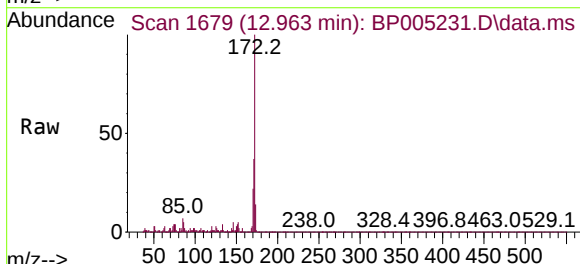
Instrument :
BNA_P
ClientSampleId :

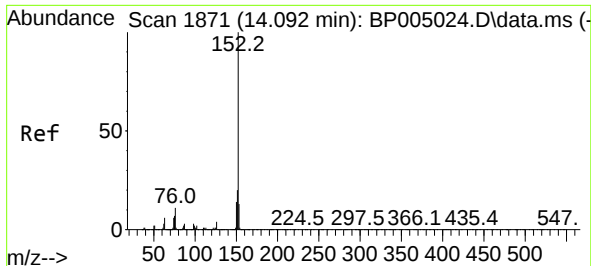
Tgt Ion:330 Resp: 10766
Ion Ratio Lower Upper
330 100
332 94.1 77.1 115.7
141 39.9 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 11.64 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:172 Resp: 44379
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 21.7 19.2 28.8

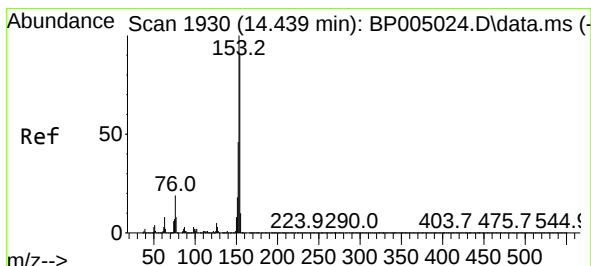
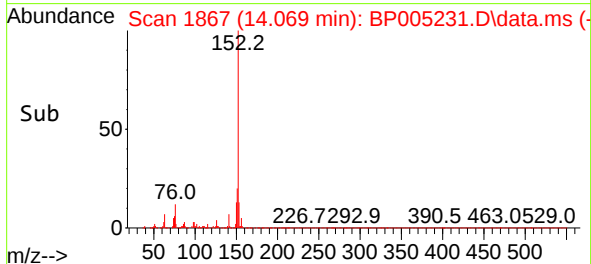
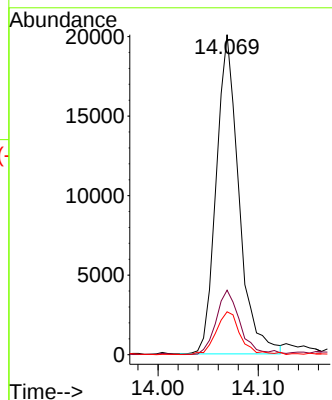
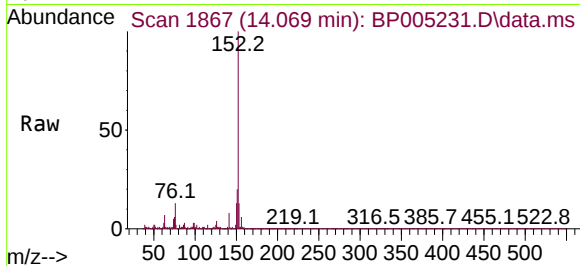




#49
Acenaphthylene
Concen: 6.32 ng
RT: 14.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

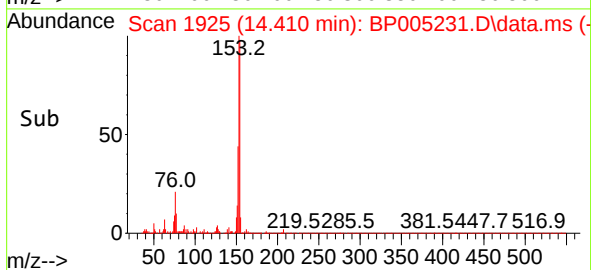
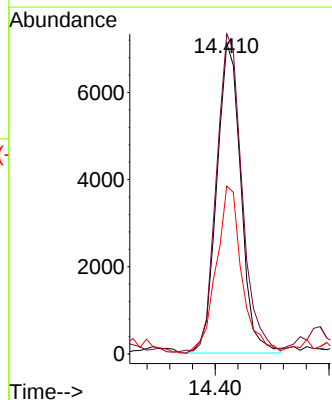
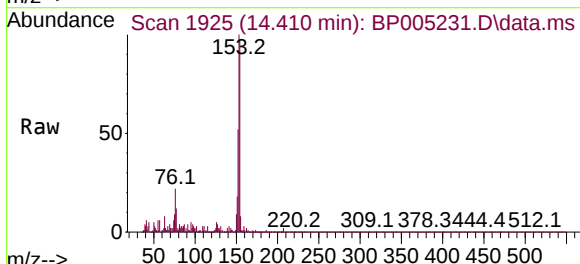
Instrument :
BNA_P
ClientSampleId :

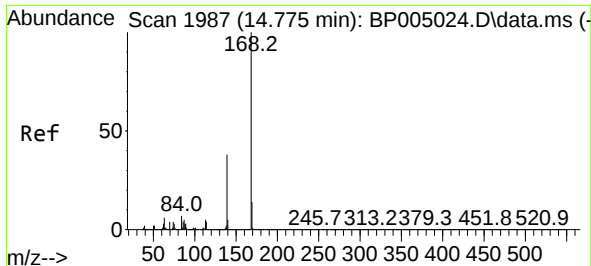
Tgt Ion:152 Resp: 31473
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.4 10.5 15.7



#52
Acenaphthene
Concen: 3.42 ng
RT: 14.410 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:154 Resp: 10491
Ion Ratio Lower Upper
154 100
153 102.9 91.0 136.6
152 54.0 43.0 64.6

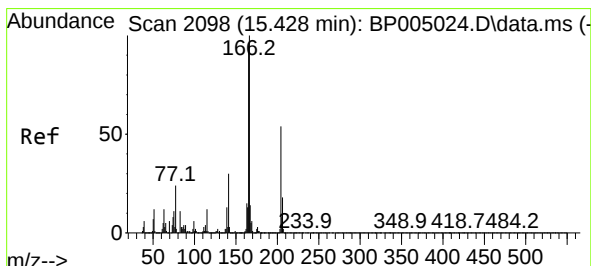
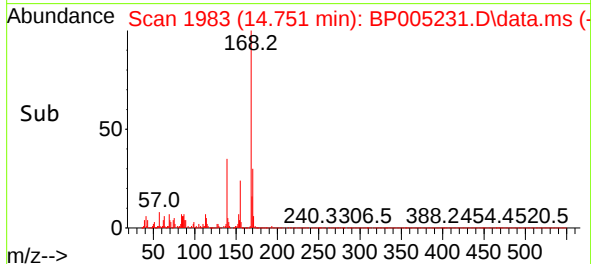
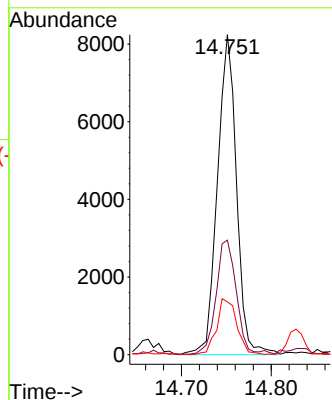
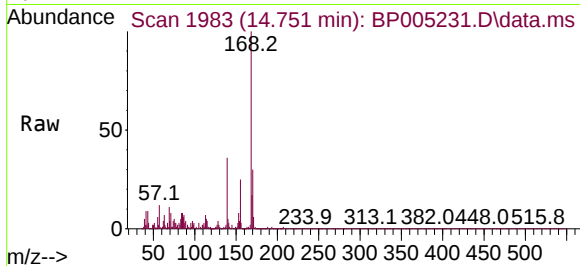




#55
Dibenzenofuran
Concen: 2.43 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

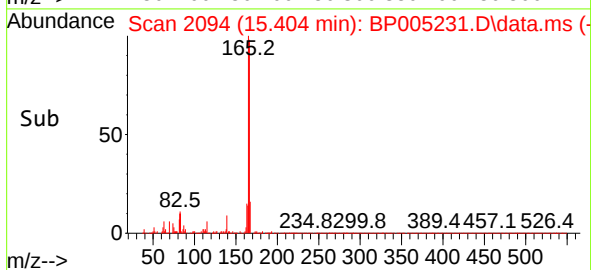
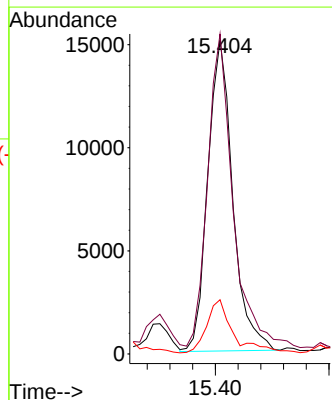
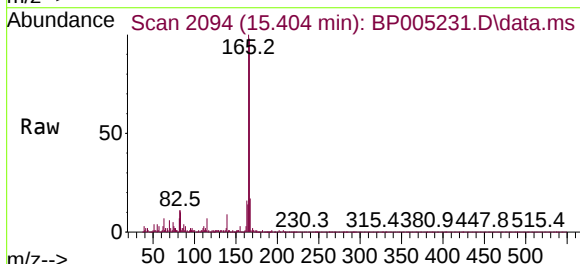
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BNA_P
ClientSampleId :

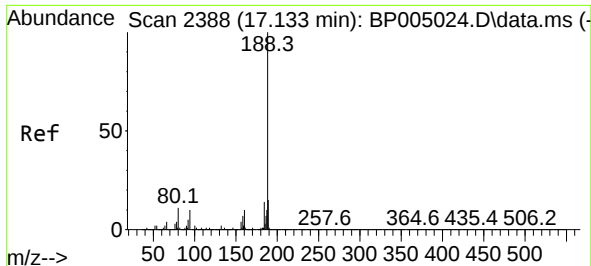
Tgt Ion:168 Resp: 12189
Ion Ratio Lower Upper
168 100
139 35.8 29.1 43.7
169 16.5 10.4 15.6#



#58
Fluorene
Concen: 5.67 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:166 Resp: 23002
Ion Ratio Lower Upper
166 100
165 102.0 77.8 116.8
167 17.3 11.0 16.4#

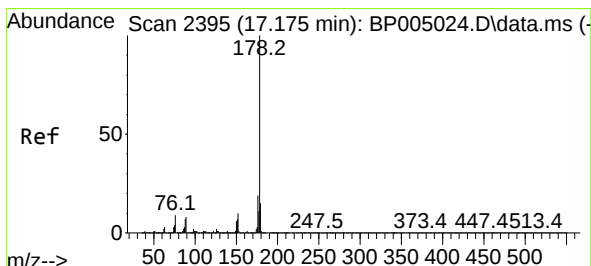
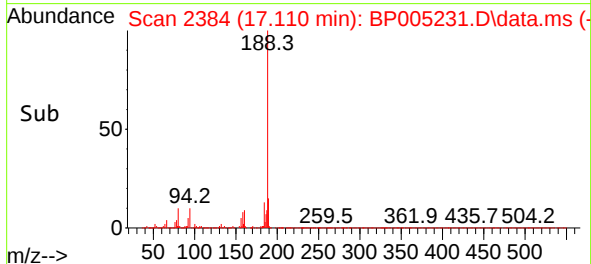
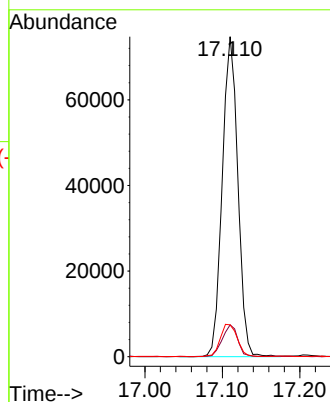
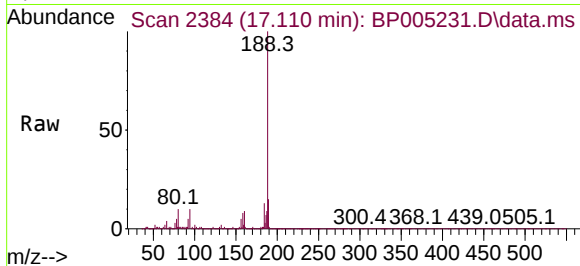




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

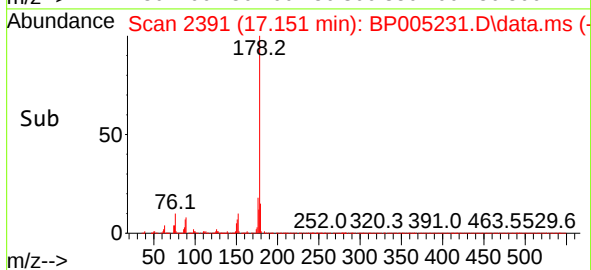
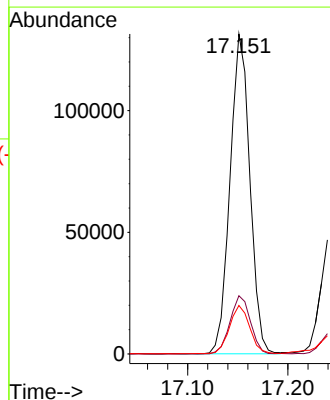
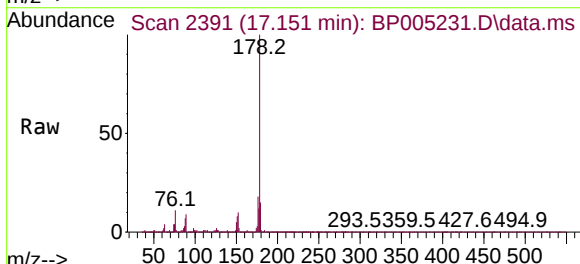
Instrument :
BNA_P
ClientSampleId :

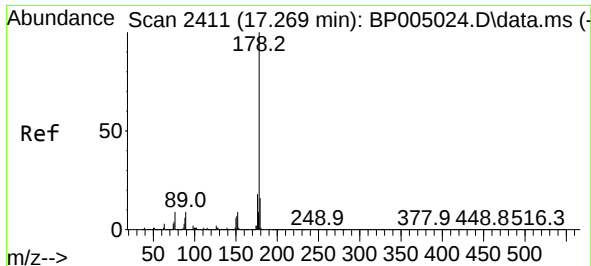
Tgt Ion:188 Resp: 104381
Ion Ratio Lower Upper
188 100
94 9.9 6.2 9.2#
80 10.0 6.2 9.2#



#71
Phenanthrene
Concen: 29.87 ng
RT: 17.151 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:178 Resp: 180775
Ion Ratio Lower Upper
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176 18.2 15.3 22.9
179 15.1 12.5 18.7

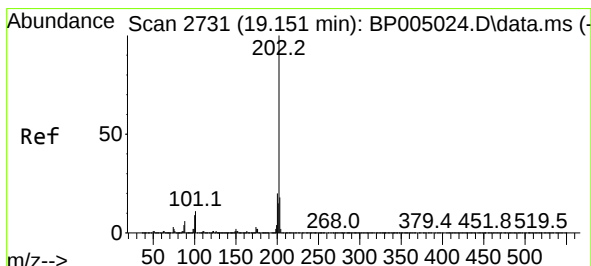
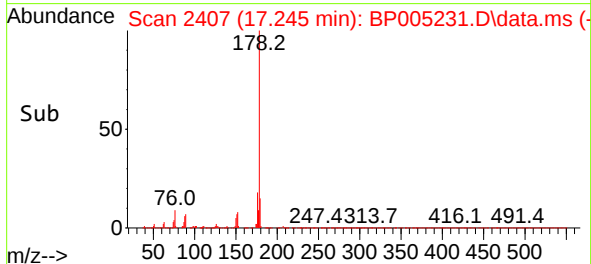
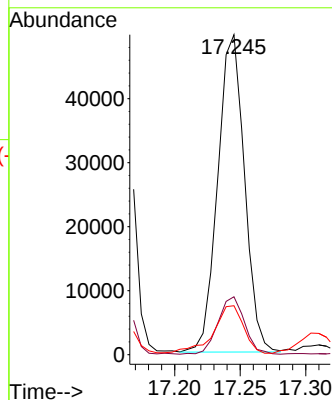
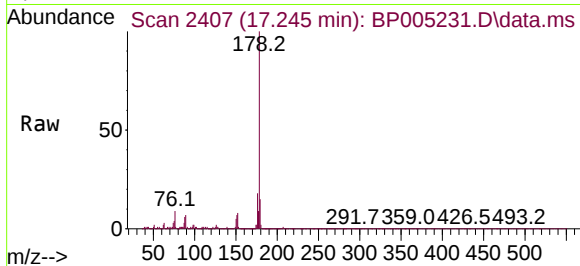




#72
 Anthracene
 Concen: 11.90 ng
 RT: 17.245 min Scan# 2407
 Delta R.T. -0.006 min
 Lab File: BP005231.D
 Acq: 07 Apr 2021 21:07

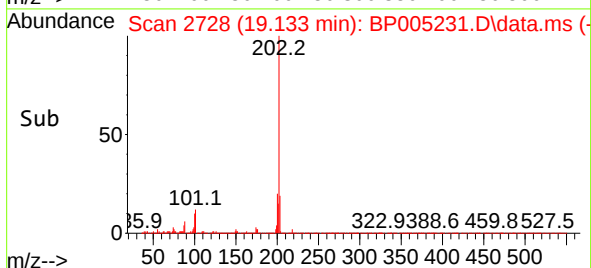
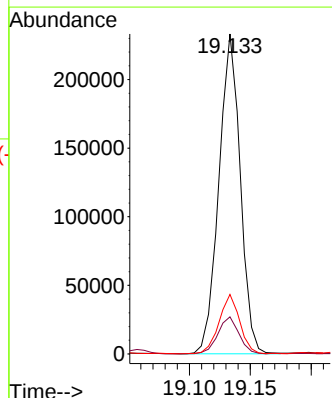
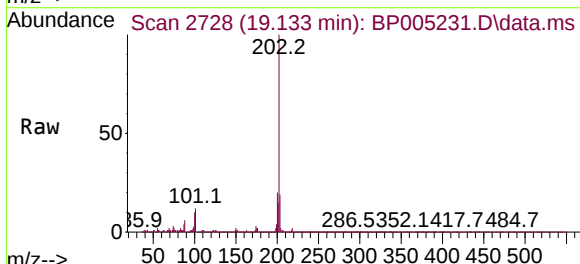
Instrument :
 BNA_P
 ClientSampleId :

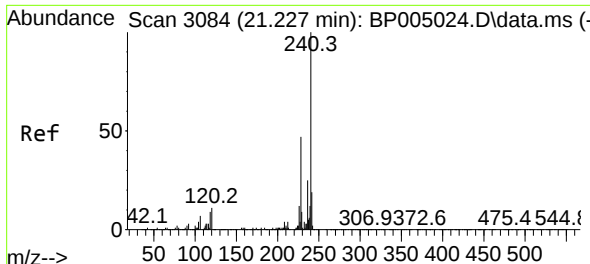
Tgt Ion:178 Resp: 70344
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 15.3 12.5 18.7



#75
 Fluoranthene
 Concen: 40.01 ng
 RT: 19.133 min Scan# 2728
 Delta R.T. 0.000 min
 Lab File: BP005231.D
 Acq: 07 Apr 2021 21:07

Tgt Ion:202 Resp: 284803
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 29.4
 203 18.6 0.0 37.8

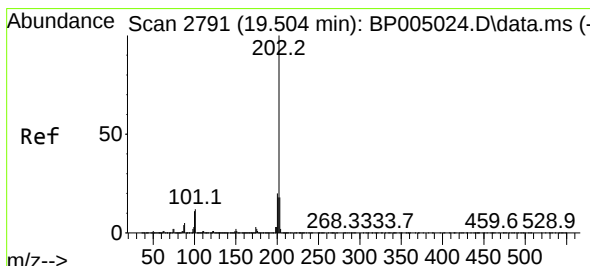
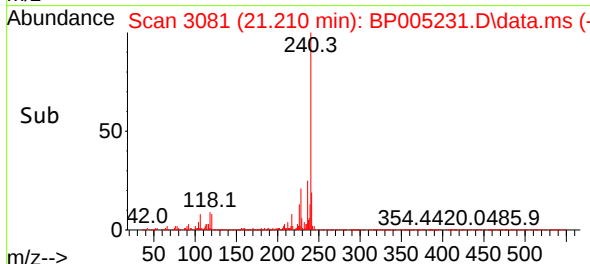
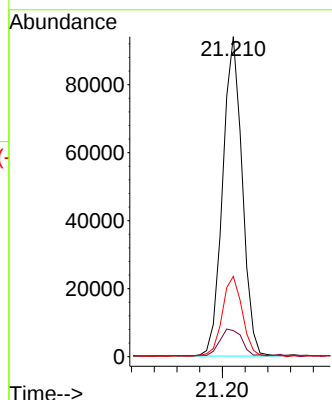
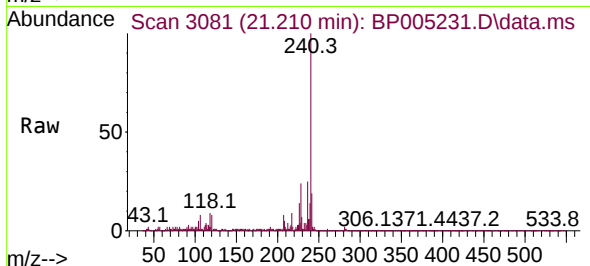




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

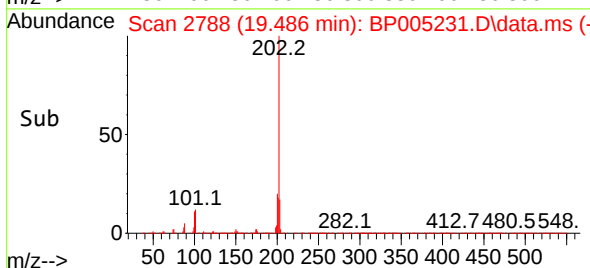
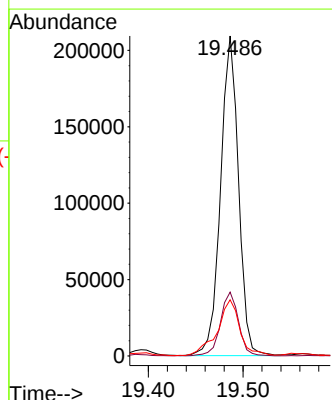
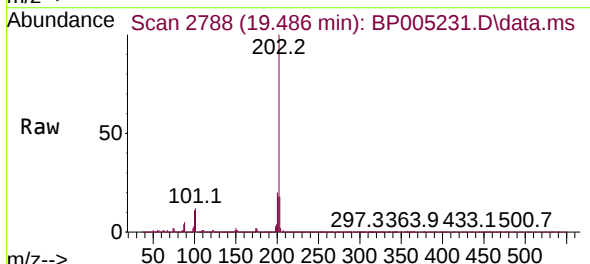
Instrument :
BNA_P
ClientSampleId :

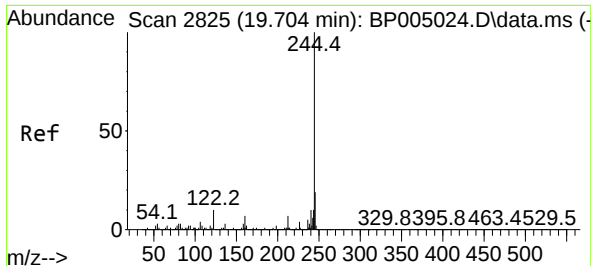
Tgt Ion:240 Resp: 112222
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 25.1 20.8 31.2



#78
Pyrene
Concen: 35.83 ng
RT: 19.486 min Scan# 2788
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:202 Resp: 276264
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.5 14.2 21.2

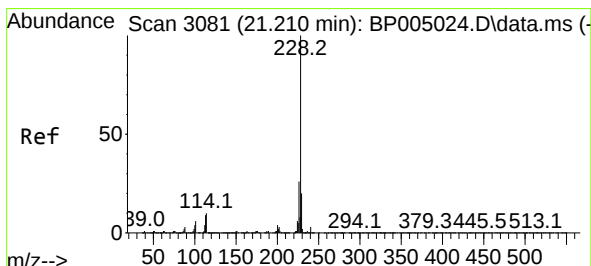
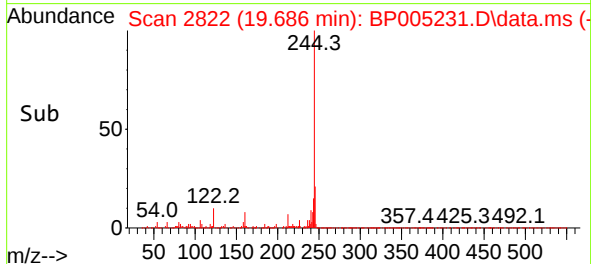
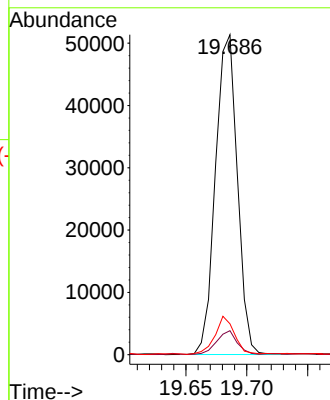
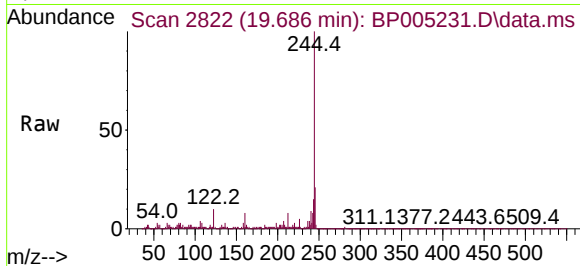




#79
Terphenyl-d14
Concen: 10.44 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

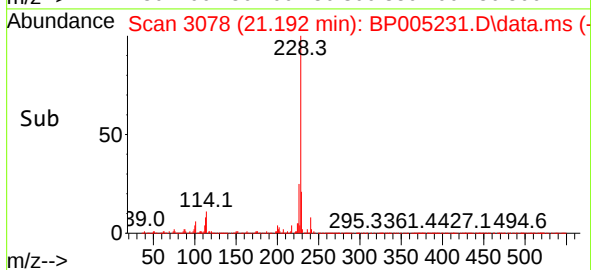
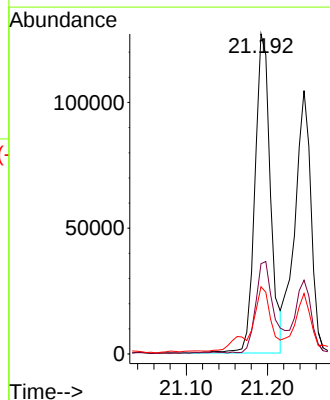
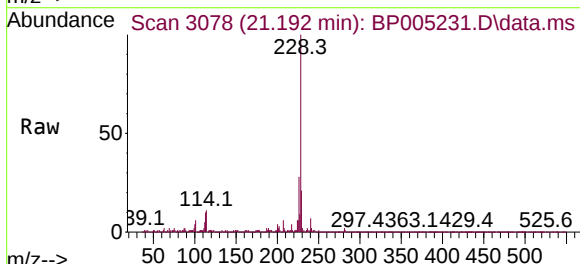
Instrument :
BNA_P
ClientSampleId :

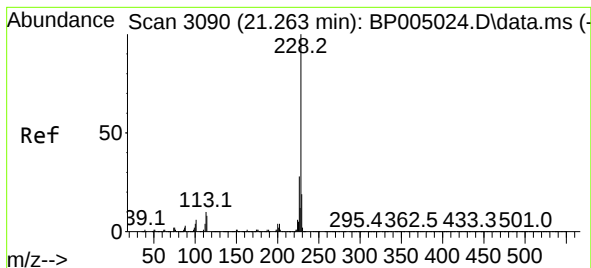
Tgt Ion:244	Resp:	64345
Ion Ratio	Lower	Upper
244	100	
212	7.5	5.8 8.6
122	9.7	7.8 11.8



#81
Benzo(a)anthracene
Concen: 22.12 ng
RT: 21.192 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:228	Resp:	168619
Ion Ratio	Lower	Upper
228	100	
226	28.2	22.1 33.1
229	21.0	15.9 23.9





#83

Chrysene

Concen: 19.42 ng

RT: 21.245 min Scan# 3087

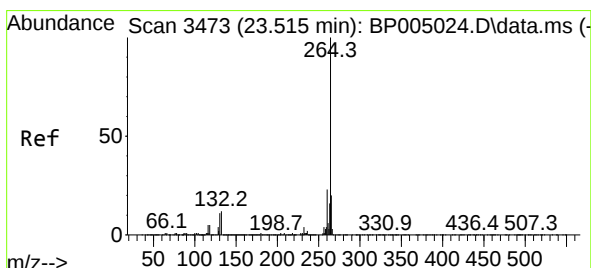
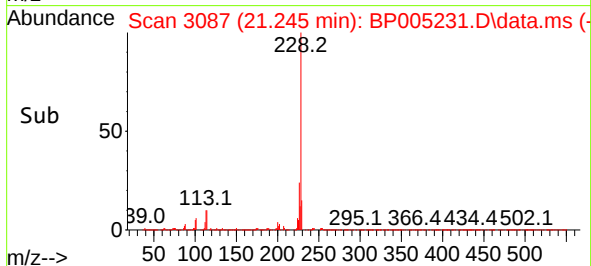
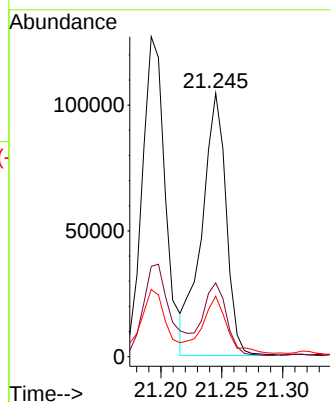
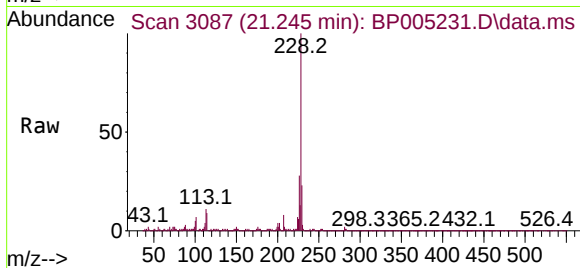
Delta R.T. -0.006 min

Lab File: BP005231.D

Acq: 07 Apr 2021 21:07

Tgt Ion:228	Resp: 145356
Ion Ratio	Lower Upper
228 100	
226 28.0	24.4 36.6
229 23.0	15.8 23.6

Instrument :
BNA_P
ClientSampleId :



#86

Perylene-d12

Concen: 20.00 ng

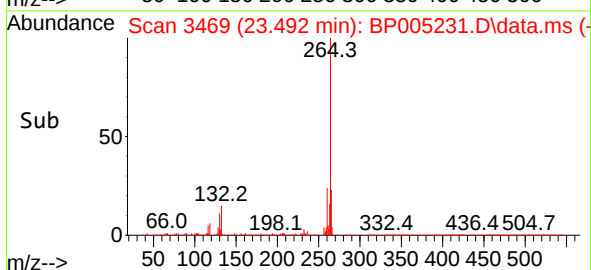
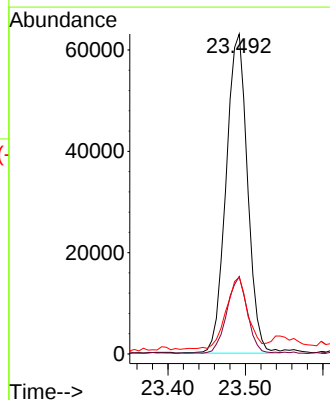
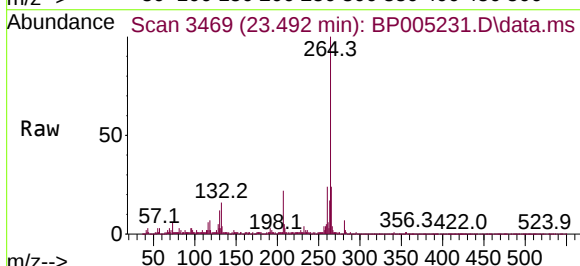
RT: 23.492 min Scan# 3469

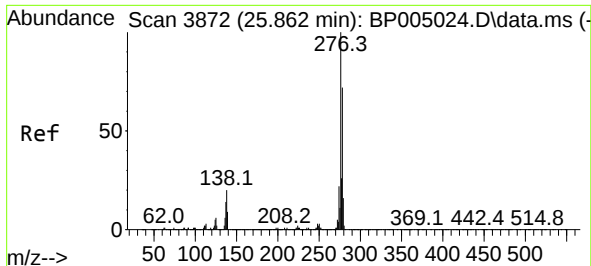
Delta R.T. 0.000 min

Lab File: BP005231.D

Acq: 07 Apr 2021 21:07

Tgt Ion:264	Resp: 121252
Ion Ratio	Lower Upper
264 100	
260 24.2	18.8 28.2
265 24.0	17.4 26.2

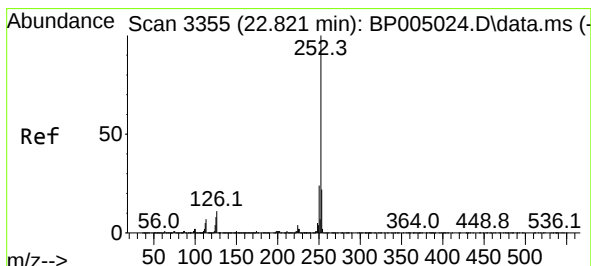
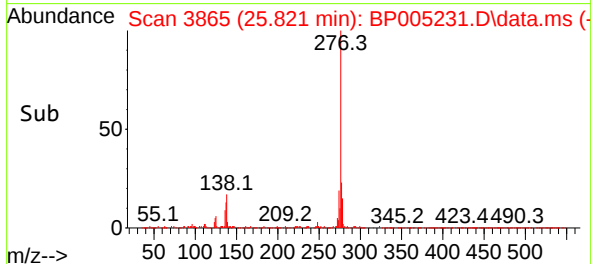
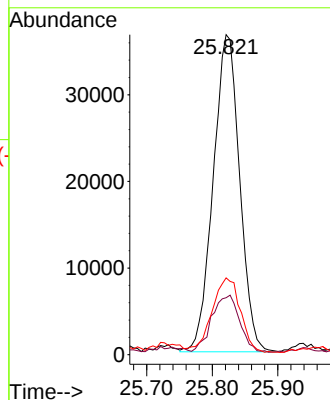
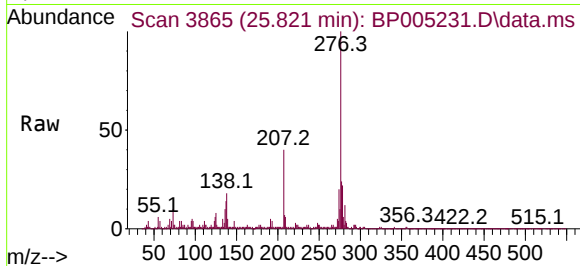




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.28 ng
RT: 25.821 min Scan# 3865
Delta R.T. -0.018 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

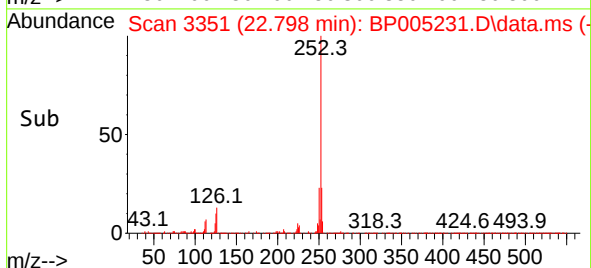
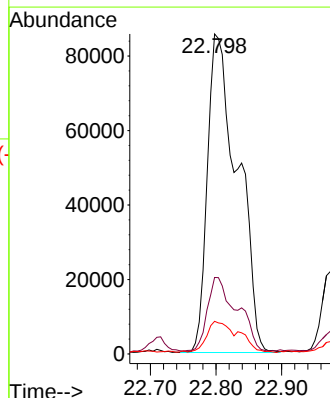
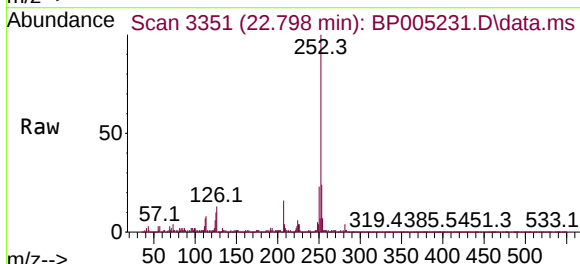
Instrument :
BNA_P
ClientSampleId :

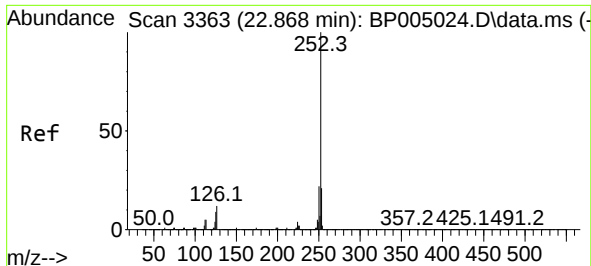
Tgt Ion:	276	Resp:	102562
Ion Ratio	Lower	Upper	
276	100		
138	18.8	18.7	28.1
277	25.1	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 31.88 ng
RT: 22.798 min Scan# 3351
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:	252	Resp:	274529
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	10.2	7.3	10.9

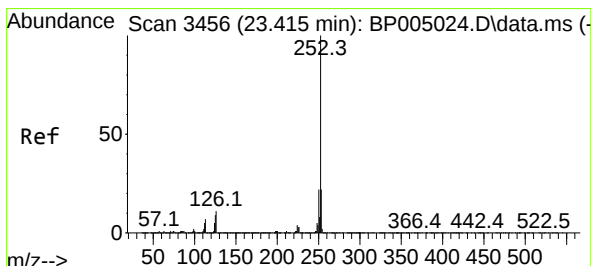
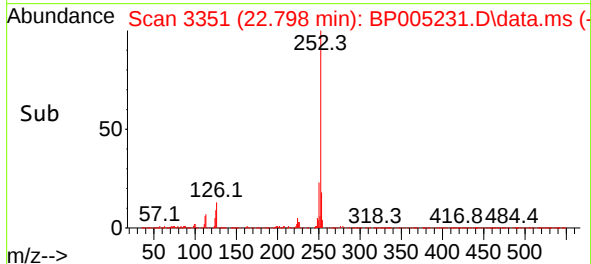
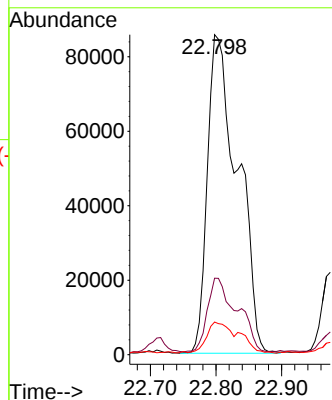
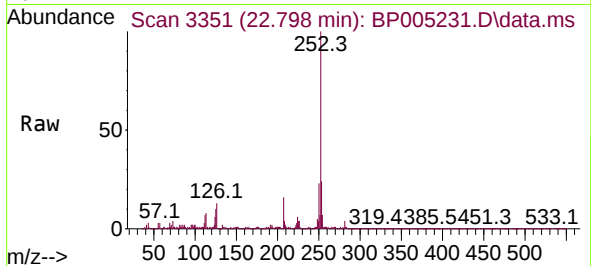




#89
Benzo(k)fluoranthene
Concen: 33.27 ng
RT: 22.798 min Scan# 3351
Delta R.T. -0.053 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

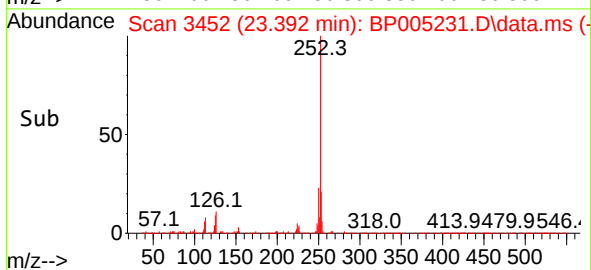
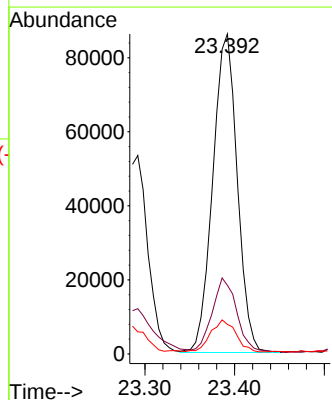
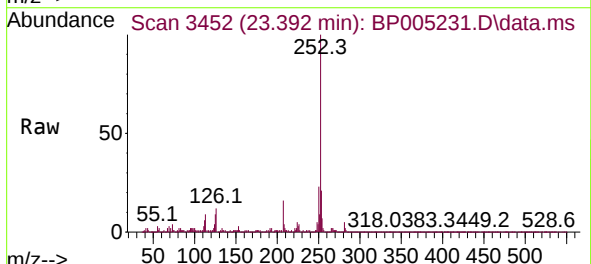
Instrument :
BNA_P
ClientSampleId :

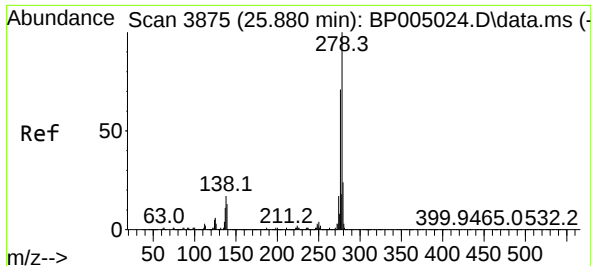
Tgt Ion:252 Resp: 274529
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 10.2 7.4 11.2



#90
Benzo(a)pyrene
Concen: 21.10 ng
RT: 23.392 min Scan# 3452
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:252 Resp: 162927
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 9.3 8.2 12.4

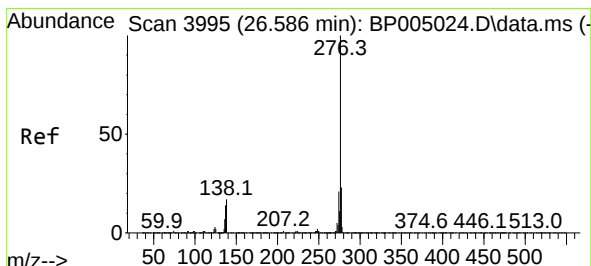
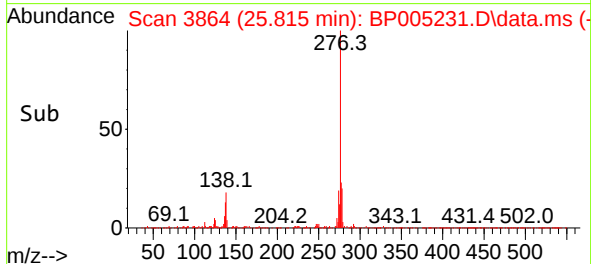
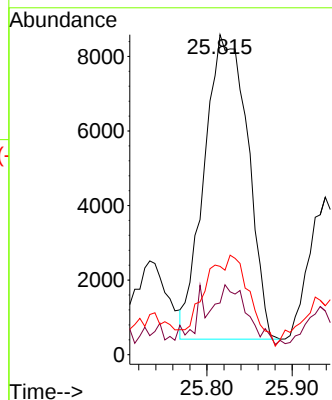
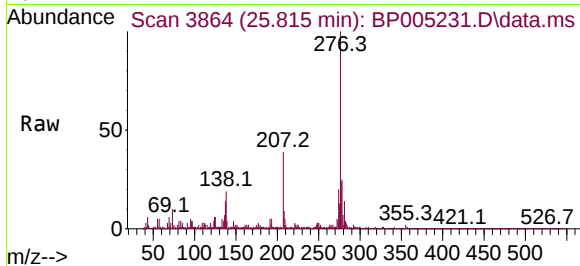




#91
Dibenzo(a,h)anthracene
Concen: 3.68 ng
RT: 25.815 min Scan# 3864
Delta R.T. -0.029 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Instrument :
BNA_P
ClientSampled :

Tgt Ion:278 Resp: 28895
Ion Ratio Lower Upper
278 100
139 16.2 12.4 18.6
279 27.6 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 12.86 ng
RT: 26.545 min Scan# 3988
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

Tgt Ion:276 Resp: 97564
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 21.0 16.6 24.8

