

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 :
 SU-03-040621

Manual Integrations
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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	199602m	23.18	ng	
89) Benzo(k)fluoranthene	22.839	252	73968m	8.96	ng	
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

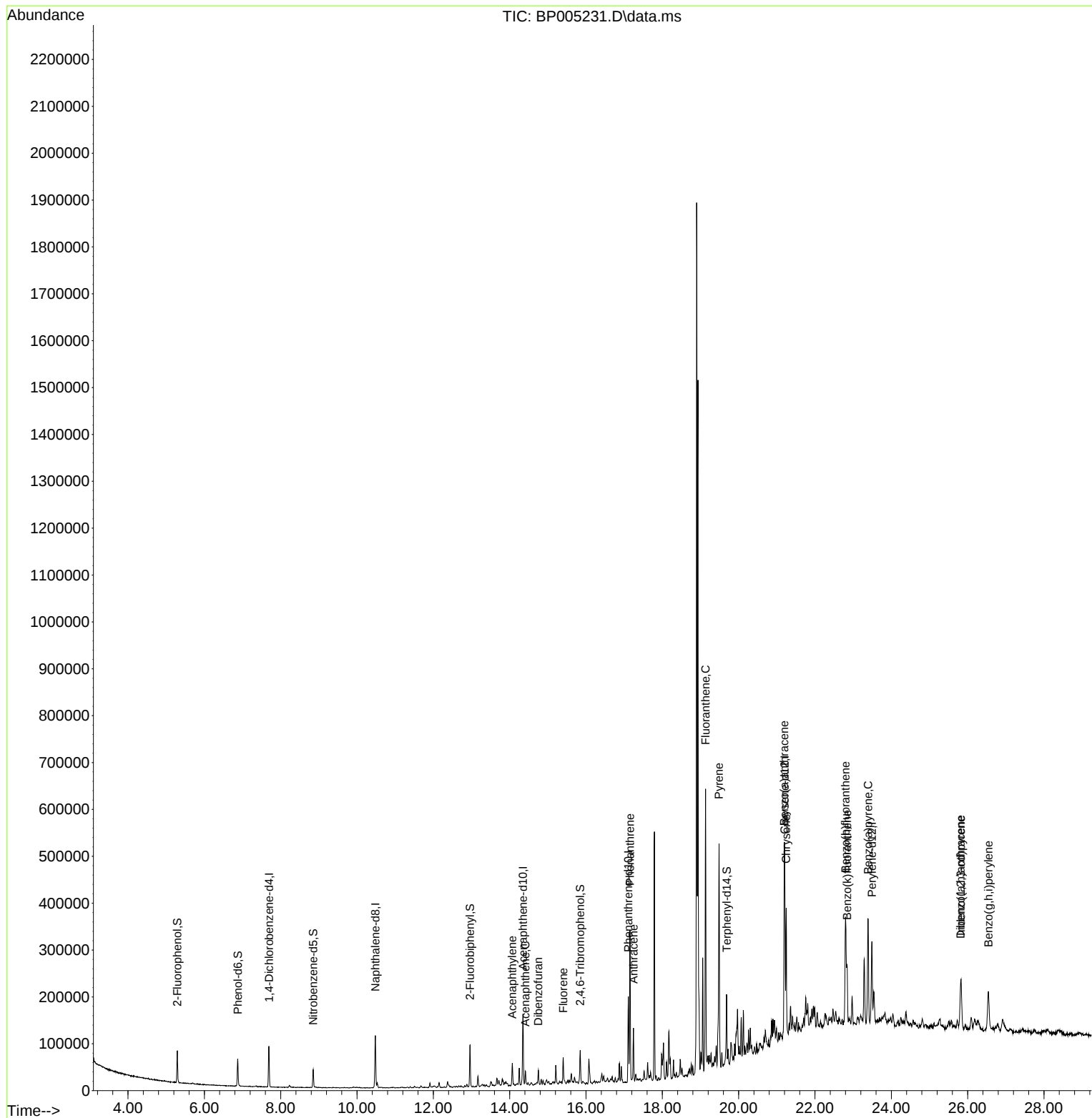
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040721\
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Operator : CG/JU
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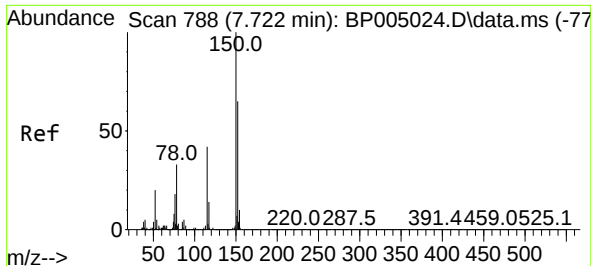
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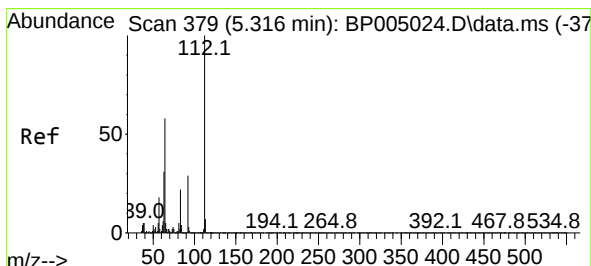
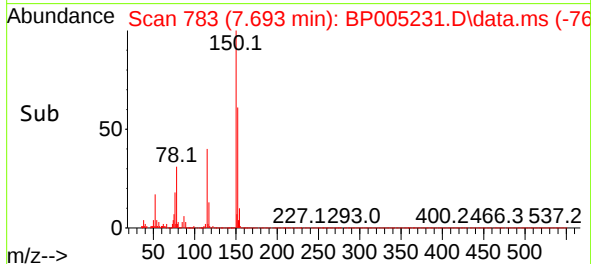
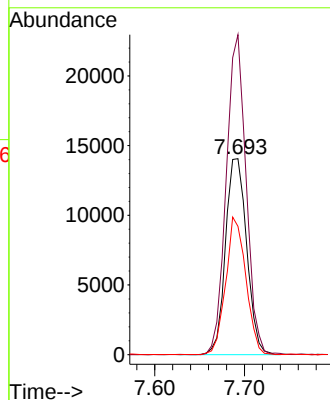
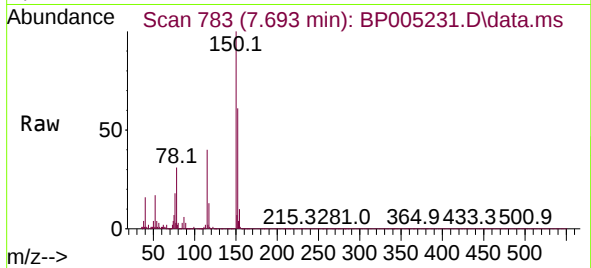
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.693 min Scan# 783
Delta R.T. -0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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

Instrument :
BNA_P
ClientSampleId :
SU-03-040621

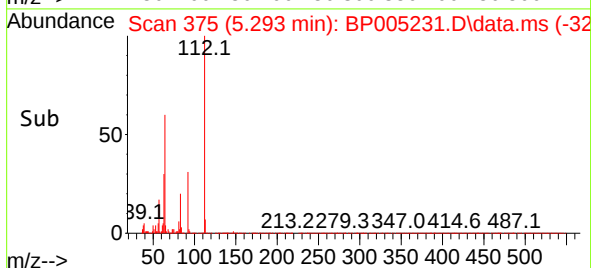
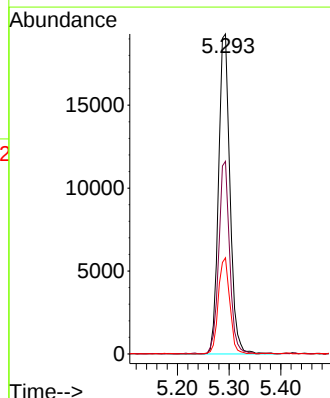
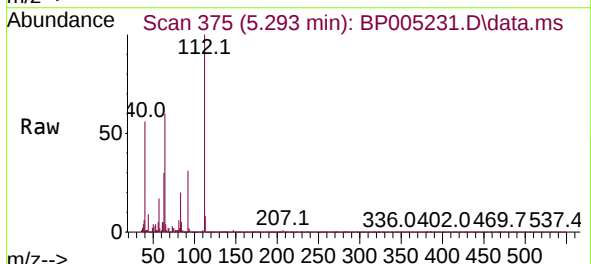
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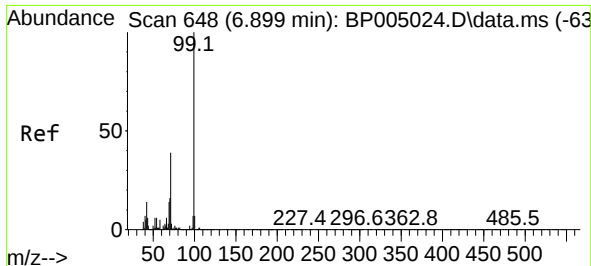
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#5
2-Fluorophenol
Concen: 19.77 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

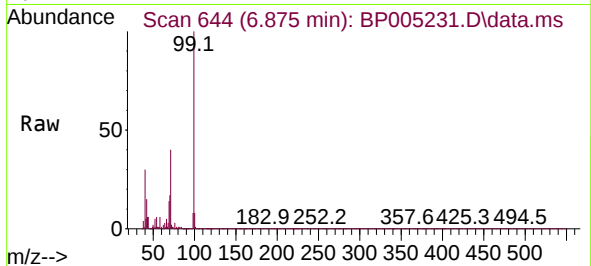
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	32.8	49.2#
63	30.1	17.0	25.4#





#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

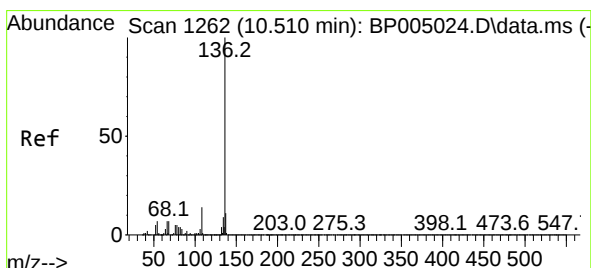
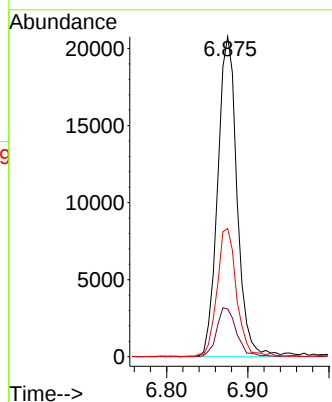
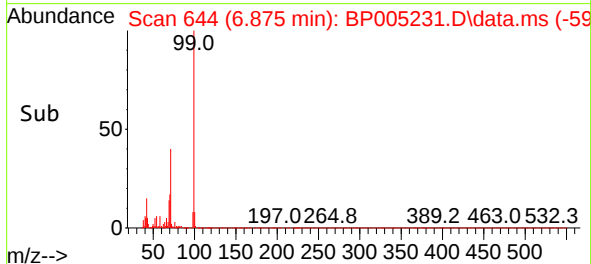
Instrument :
BNA_P
ClientSampleId :
SU-03-040621



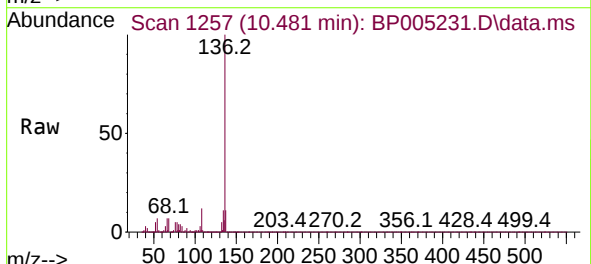
Tgt Ion: 99 Resp: 34458
Ion Ratio Lower Upper
99 100
42 14.9 8.6 13.0#
71 40.0 23.4 35.2#

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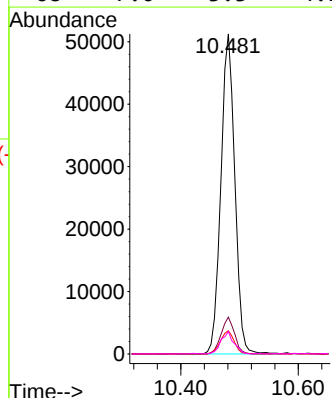
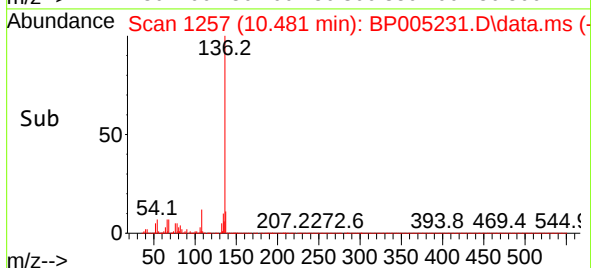
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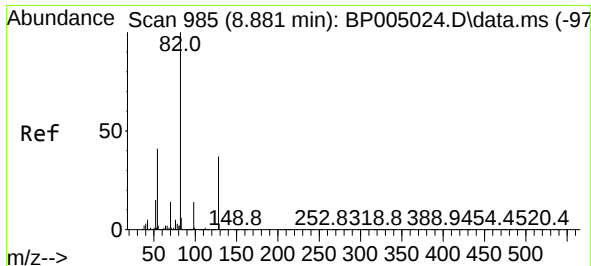


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07



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#





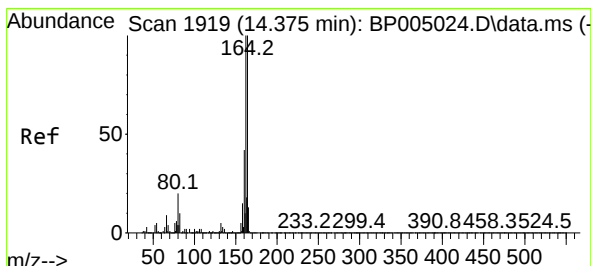
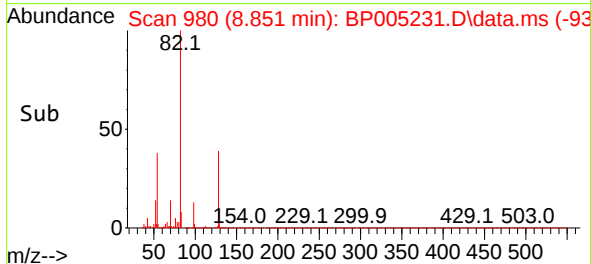
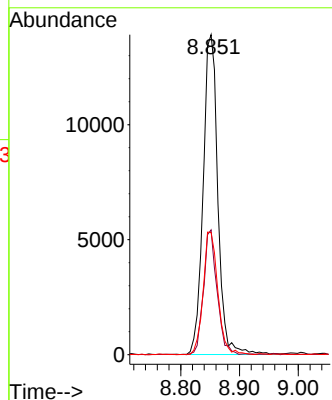
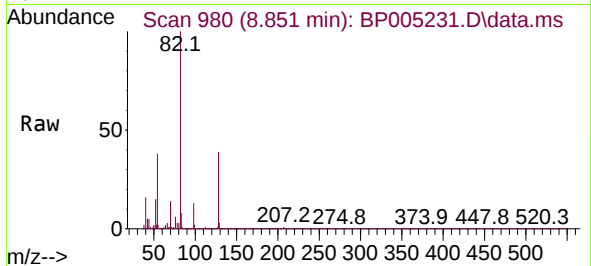
#23
Nitrobenzene-d5
Concen: 12.31 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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

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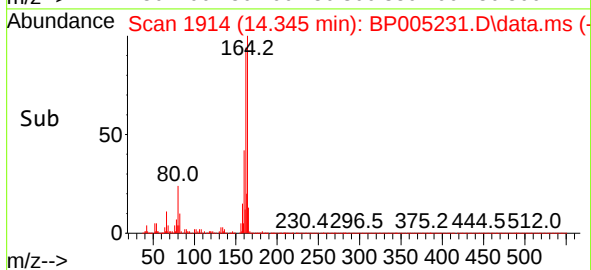
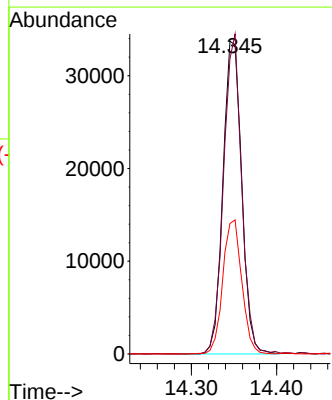
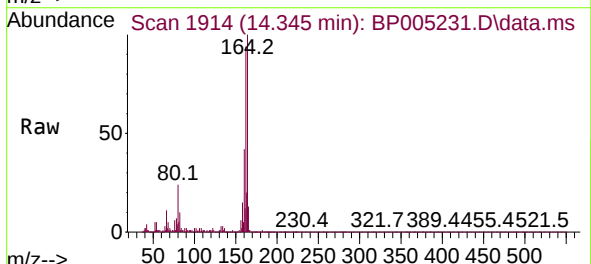
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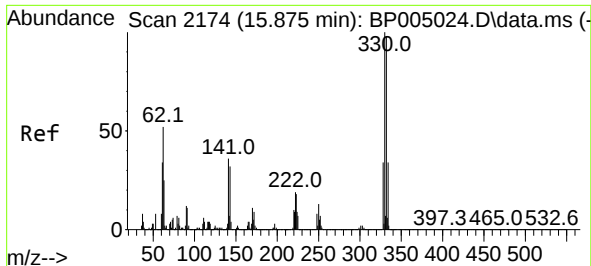
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

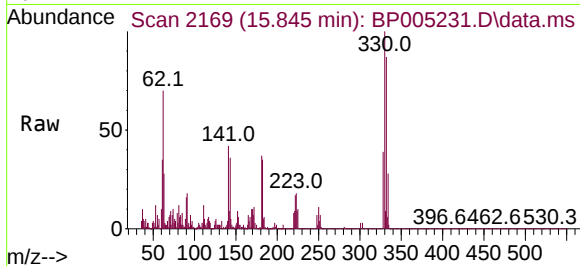
Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.4	79.4	119.2
160	41.7	36.1	54.1





#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

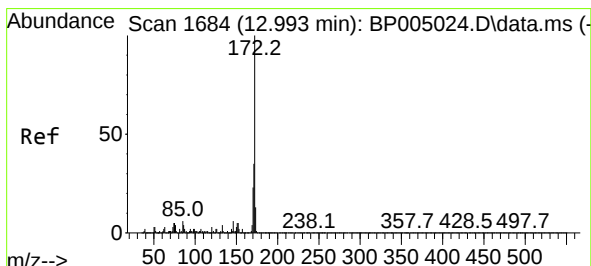
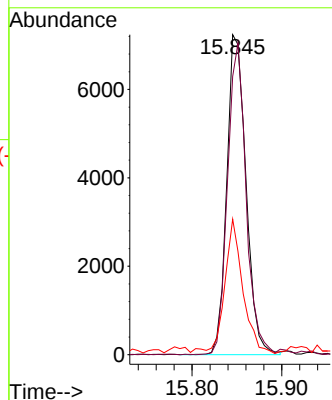
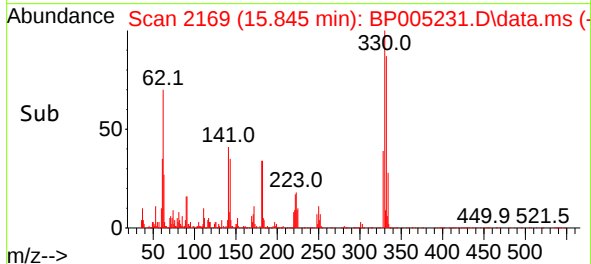
Instrument :
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ClientSampleId :
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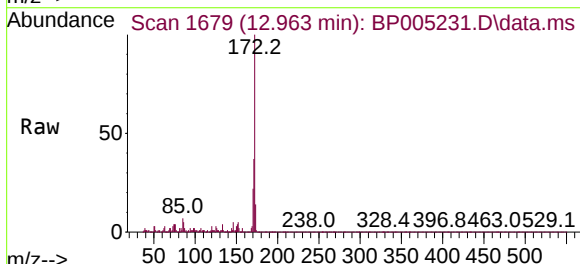
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.1	115.7
141	39.9	23.4	35.2#

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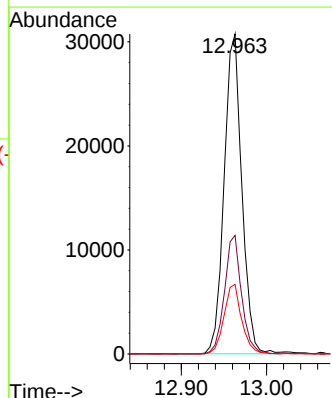
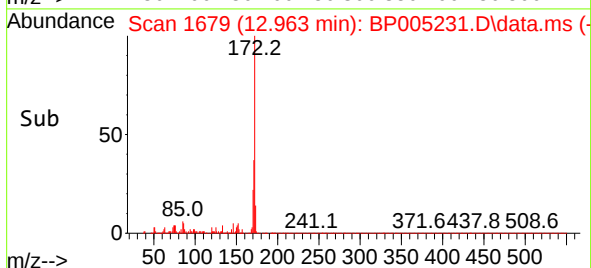
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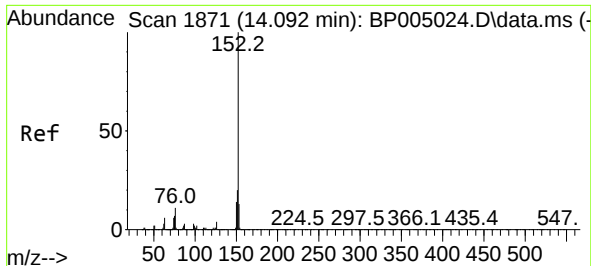


#45
2-Fluorobiphenyl
Concen: 11.64 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

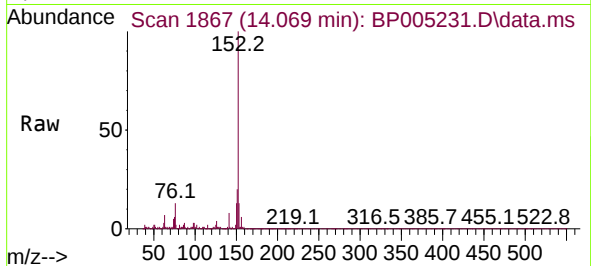


Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.5	42.7
170	21.7	19.2	28.8

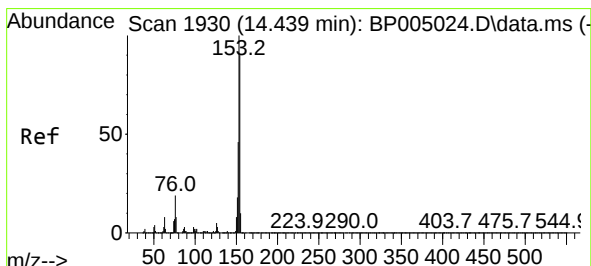
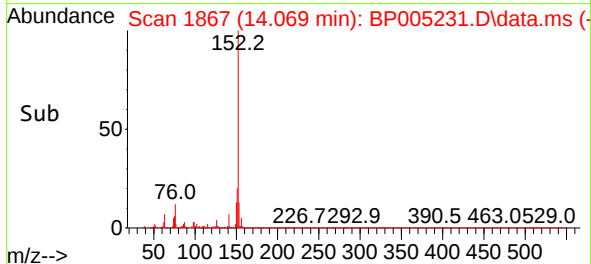
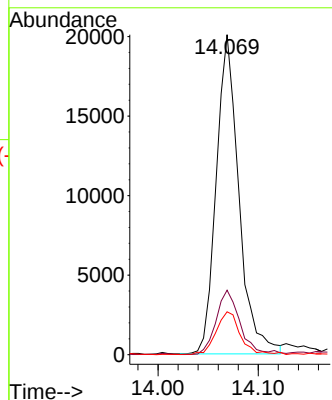




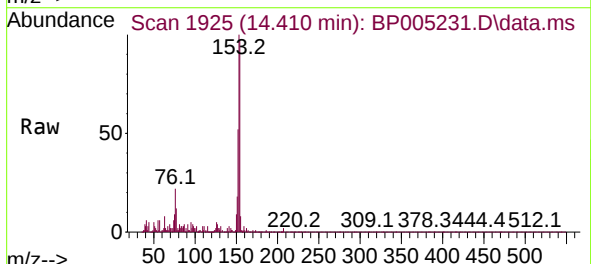
#49
Acenaphthylene
Concen: 6.32 ng
RT: 14.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07



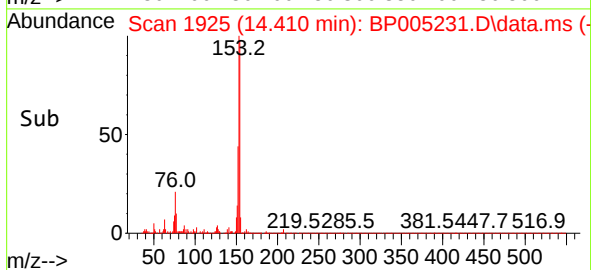
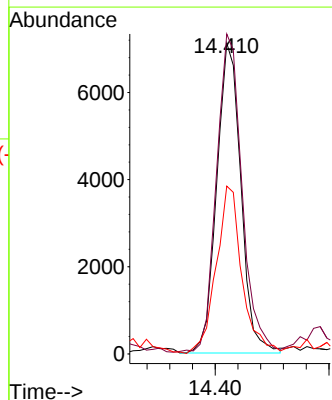
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.4	10.5	15.7



#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



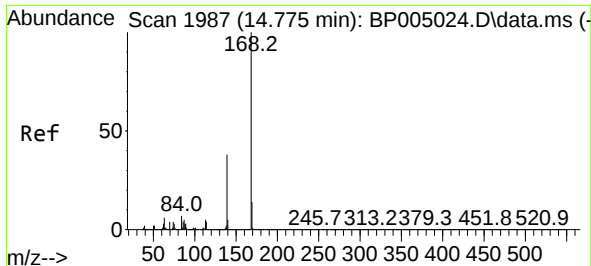
Tgt Ion	Ratio	Lower	Upper
154	100		
153	102.9	91.0	136.6
152	54.0	43.0	64.6



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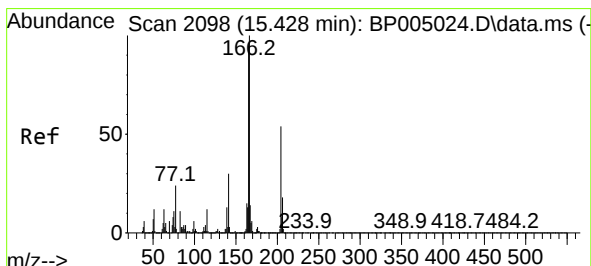
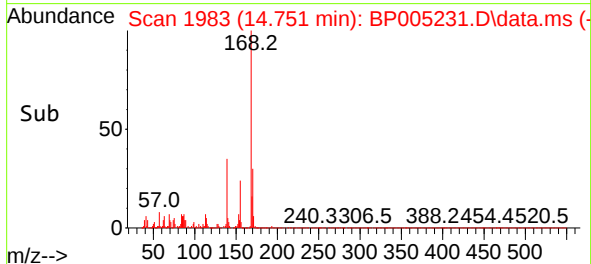
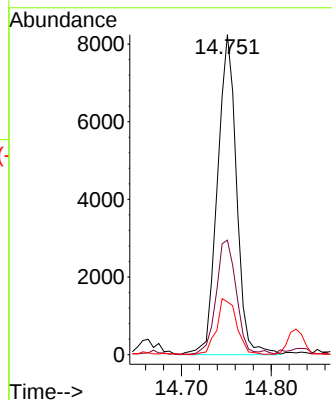
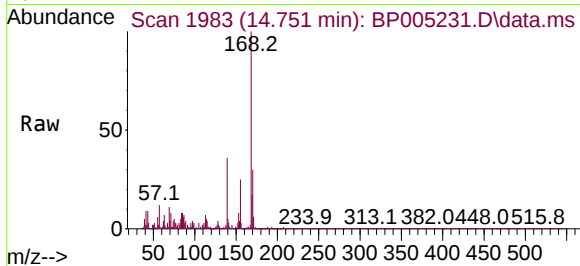
#55
Dibenzenofuran
Concen: 2.43 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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

Instrument :
BNA_P
ClientSampleId :
SU-03-040621

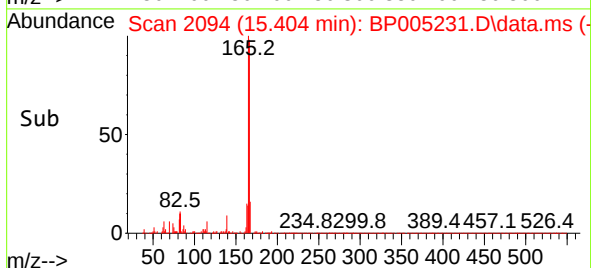
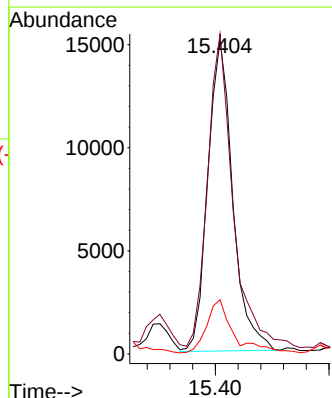
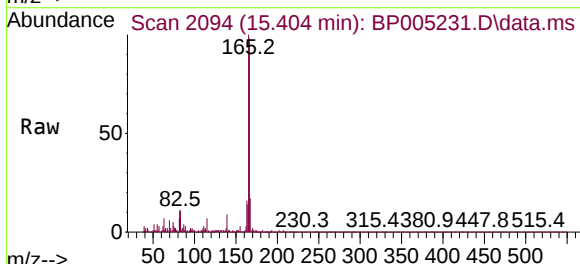
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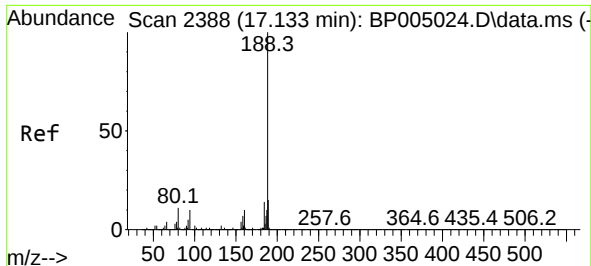
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#58
Fluorene
Concen: 5.67 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

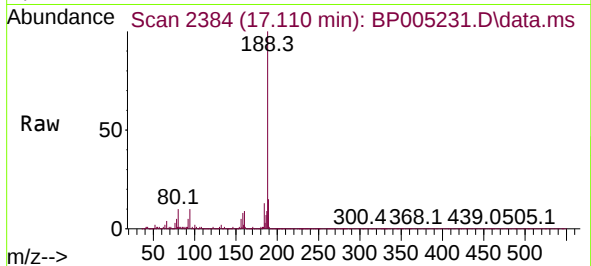
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	77.8	116.8
167	17.3	11.0	16.4#





#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

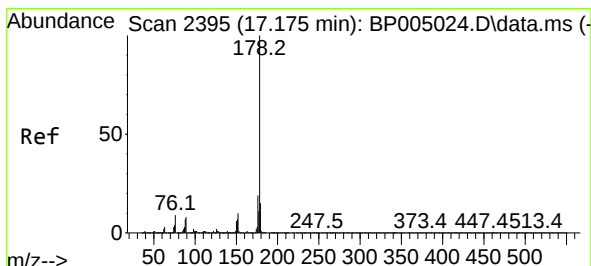
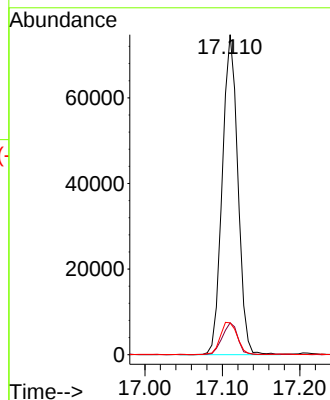
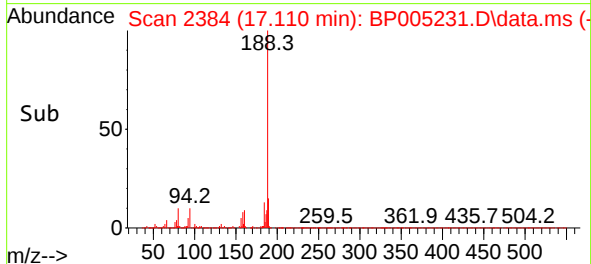
Instrument :
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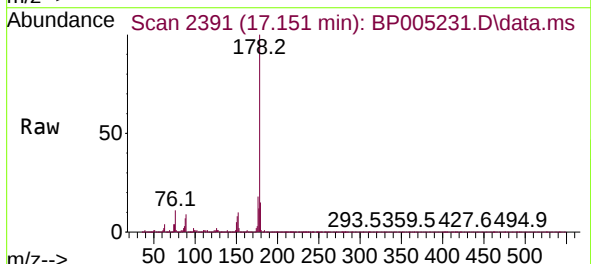
Tgt Ion:188 Resp: 104381
Ion Ratio Lower Upper
188 100
94 9.9 6.2 9.2#
80 10.0 6.2 9.2#

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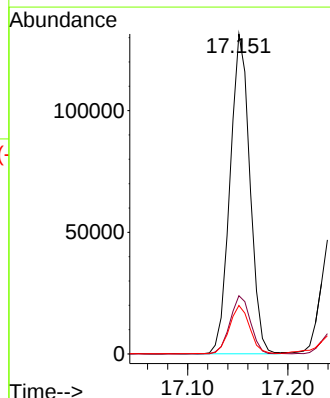
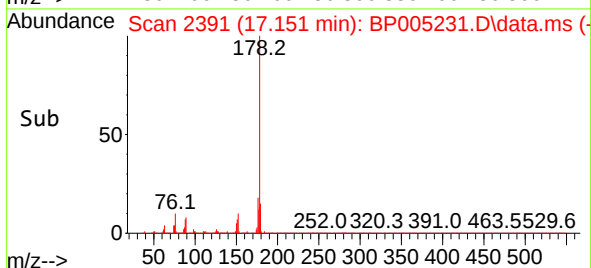
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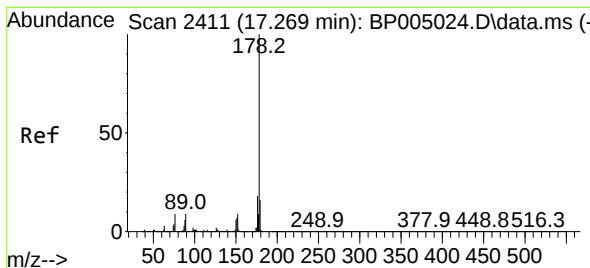


#71
Phenanthrene
Concen: 29.87 ng
RT: 17.151 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07



Tgt Ion:178 Resp: 180775
Ion Ratio Lower Upper
178 100
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

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

Instrument :

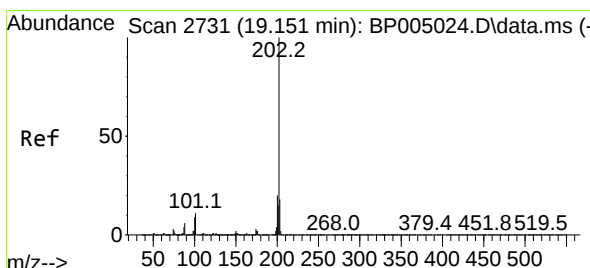
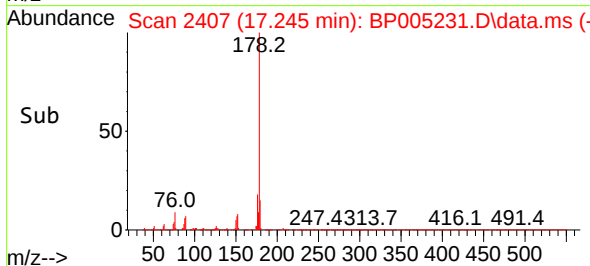
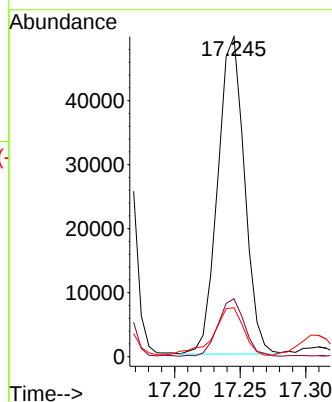
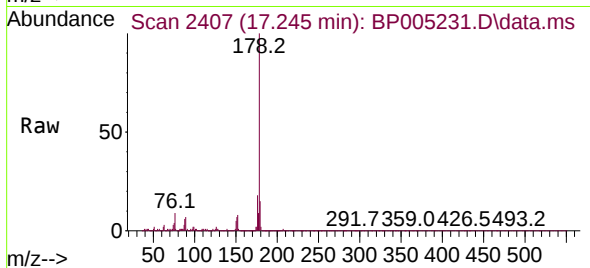
BNA_P

ClientSampleId :

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#75

Fluoranthene

Concen: 40.01 ng

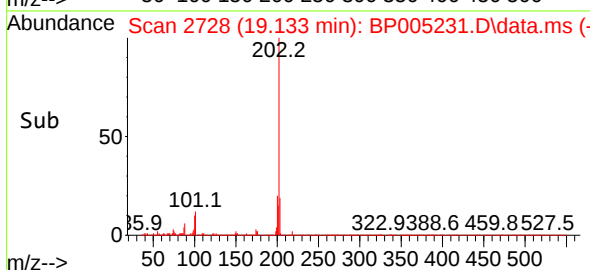
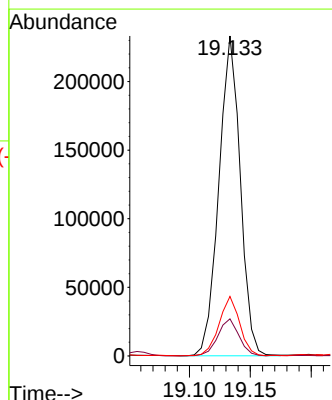
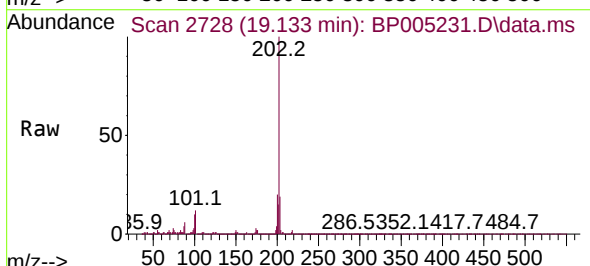
RT: 19.133 min Scan# 2728

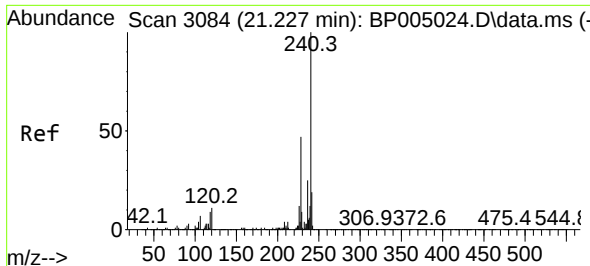
Delta R.T. 0.000 min

Lab File: BP005231.D

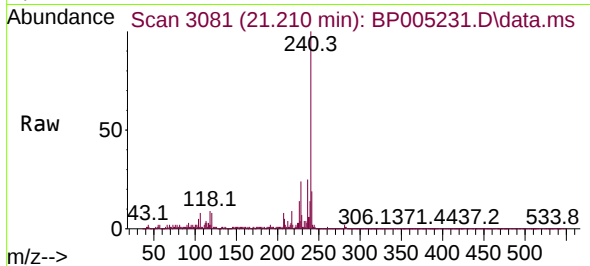
Acq: 07 Apr 2021 21:07

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

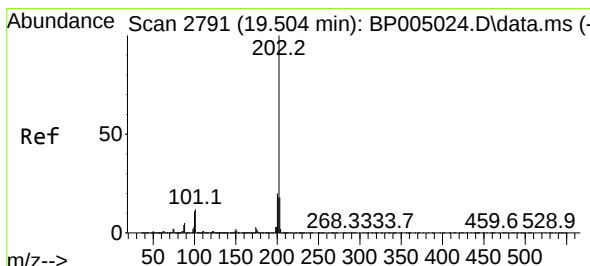
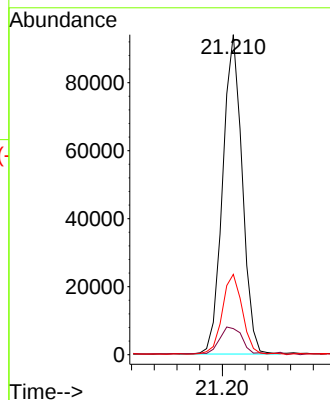
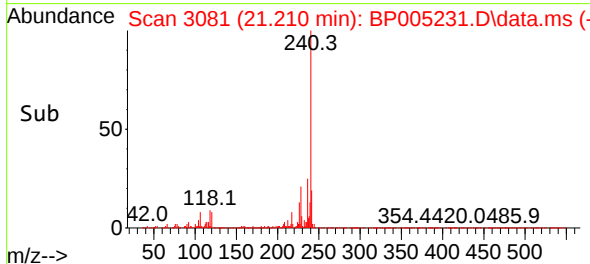




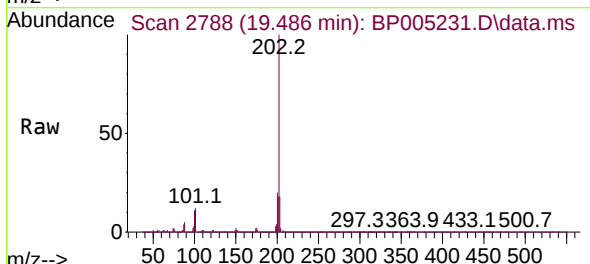
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07



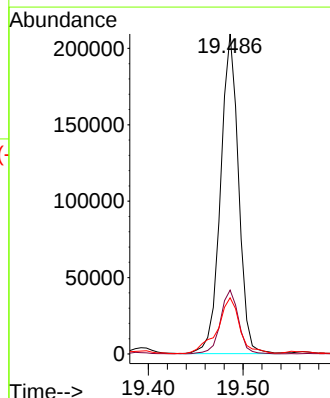
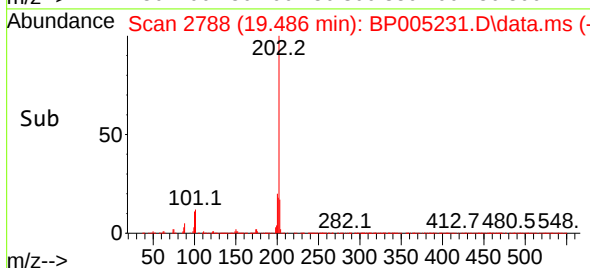
Tgt Ion:240 Resp: 112222
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 25.1 20.8 31.2



#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



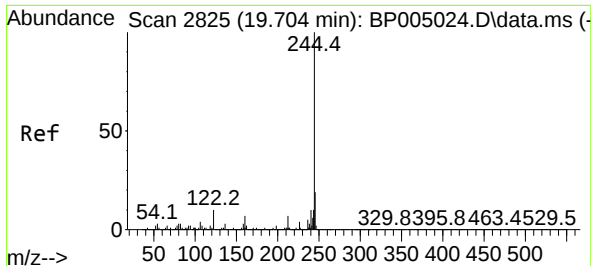
Tgt Ion:202 Resp: 276264
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.5 14.2 21.2



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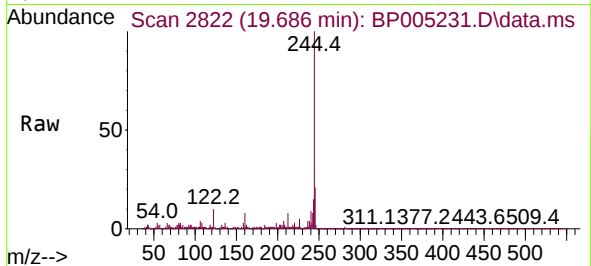
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#79
Terphenyl-d14
Concen: 10.44 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

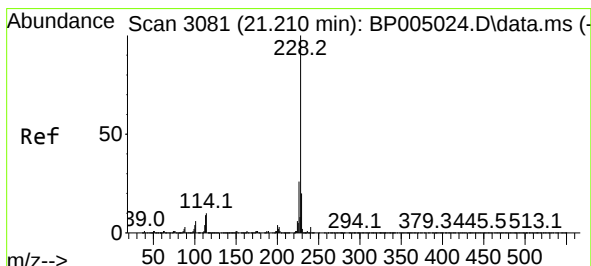
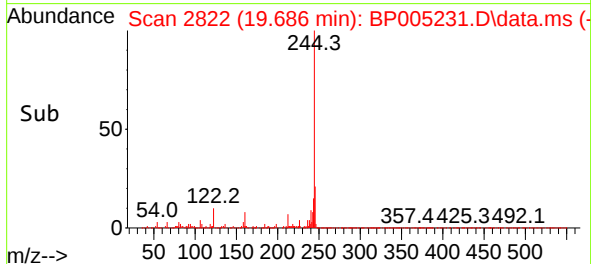
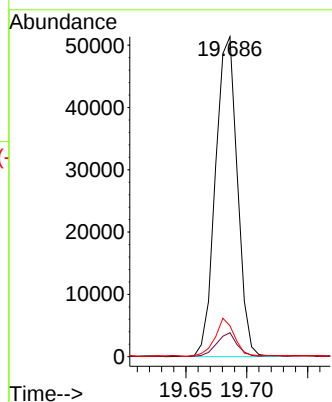
Instrument :
BNA_P
ClientSampleId :
SU-03-040621



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

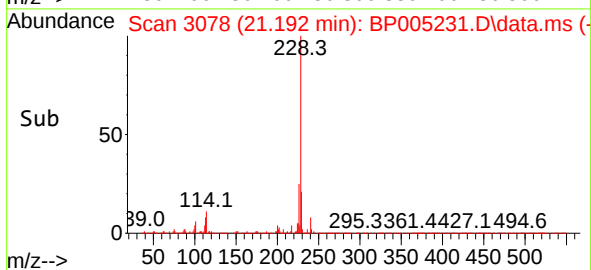
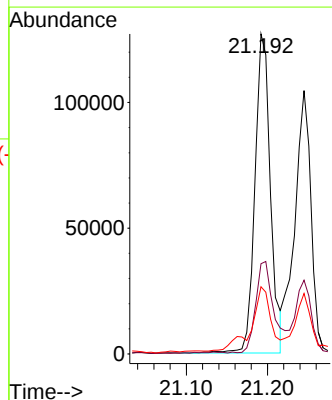
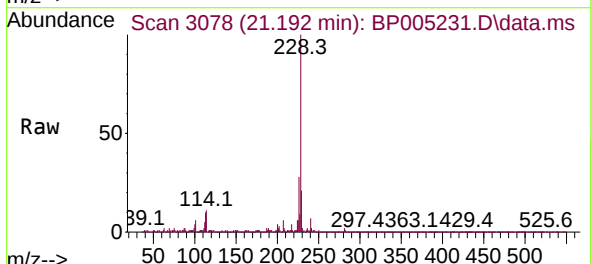
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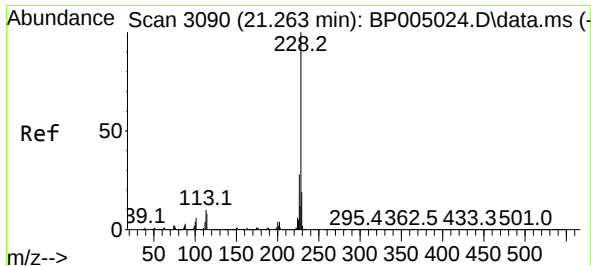
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#81
Benzo(a)anthracene
Concen: 22.12 ng
RT: 21.192 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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





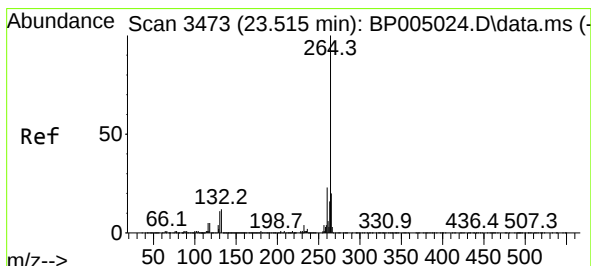
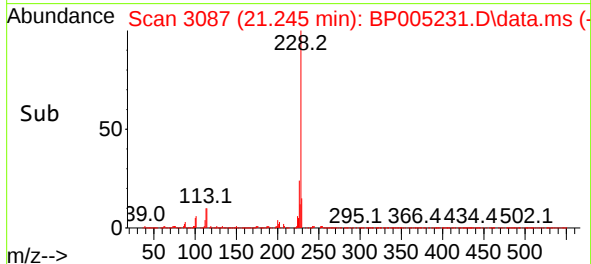
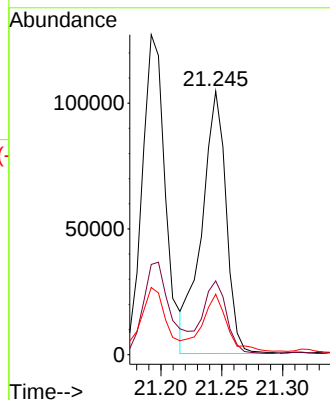
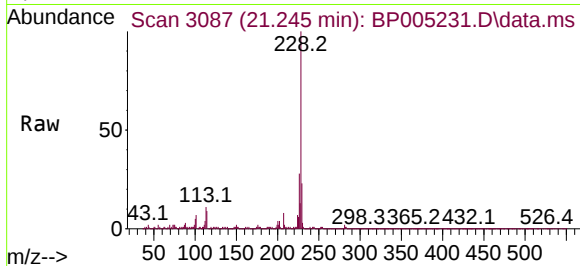
#83
Chrysene
Concen: 19.42 ng
RT: 21.245 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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 :
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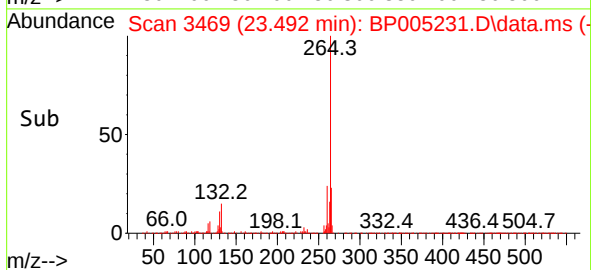
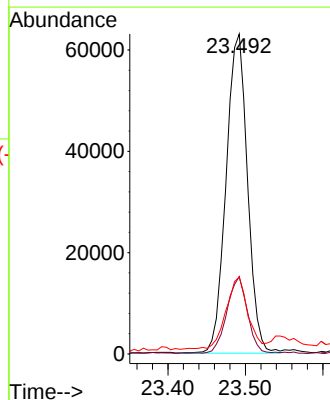
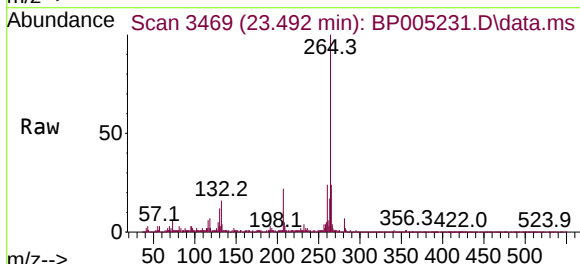
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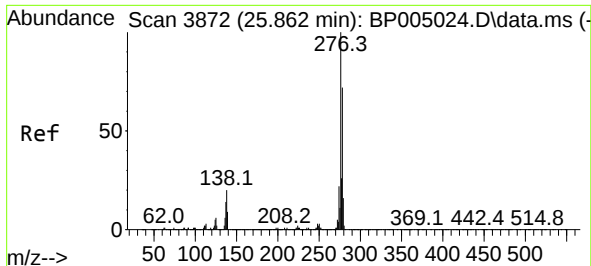
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.492 min Scan# 3469
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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





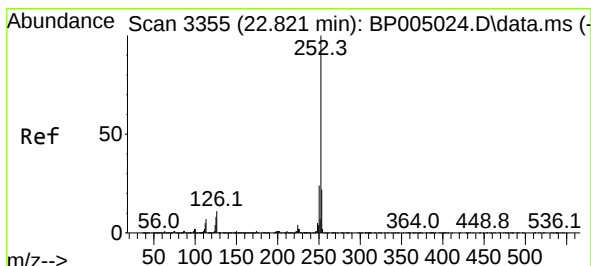
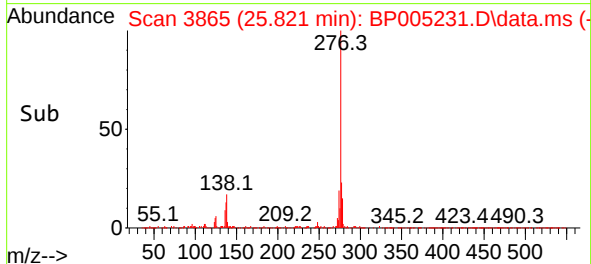
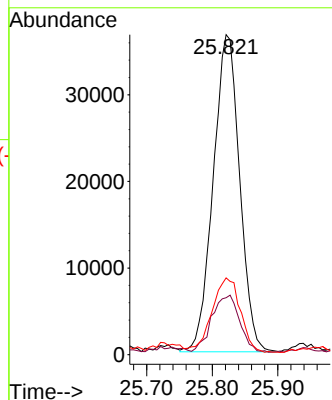
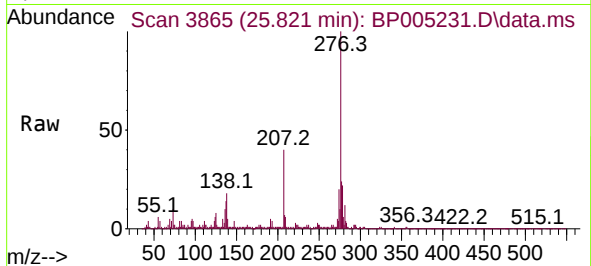
#87
Indeno(1,2,3-cd)pyrene
Concen: 11.28 ng
RT: 25.821 min Scan# 3865
Delta R.T. -0.018 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

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

Instrument :
BNA_P
ClientSampleId :
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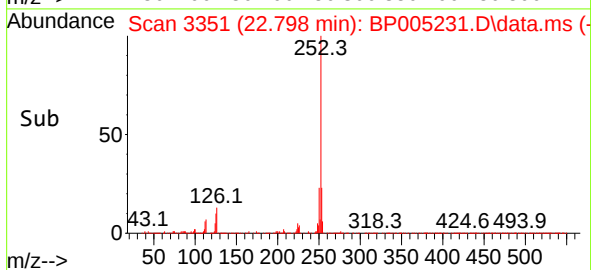
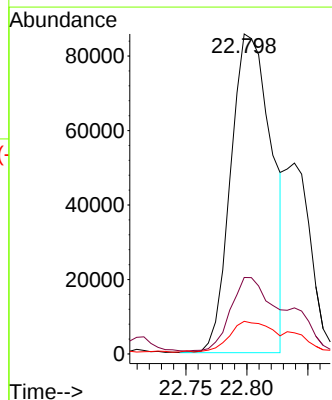
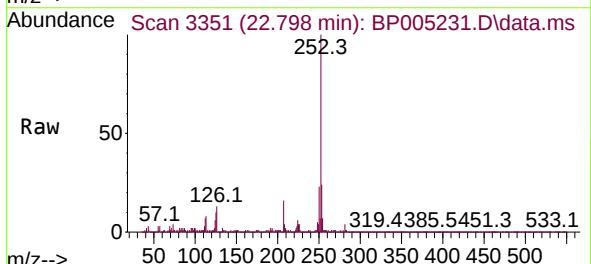
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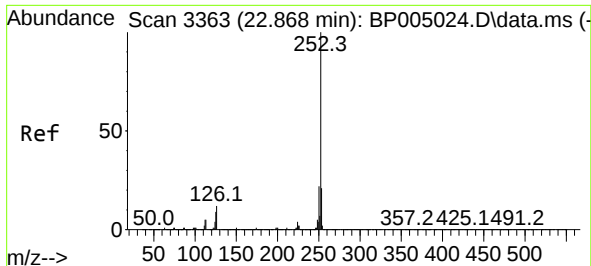
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#88
Benzo(b)fluoranthene
Concen: 23.18 ng m
RT: 22.798 min Scan# 3351
Delta R.T. -0.006 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

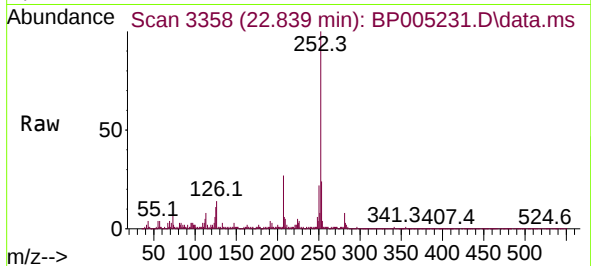
Tgt Ion: 252 Resp: 199602
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 10.2 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 8.96 ng m
RT: 22.839 min Scan# 3358
Delta R.T. -0.012 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07

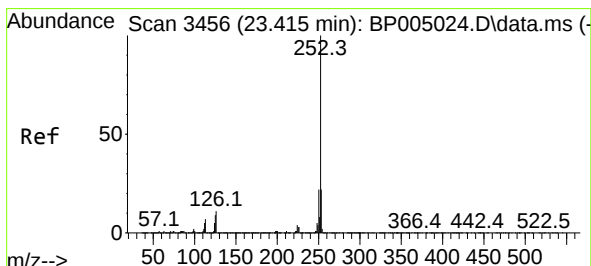
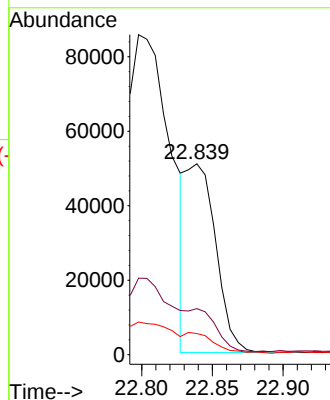
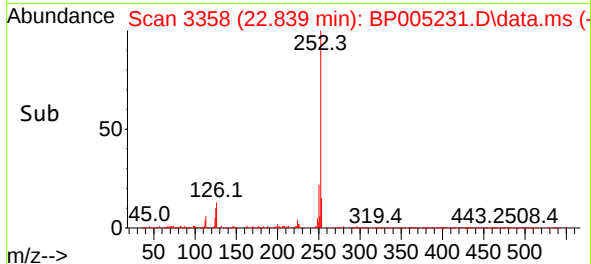
Instrument :
BNA_P
ClientSampleId :
SU-03-040621



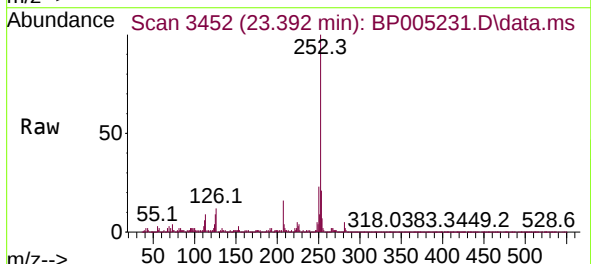
Tgt Ion:252 Resp: 73968
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 11.1 7.4 11.2

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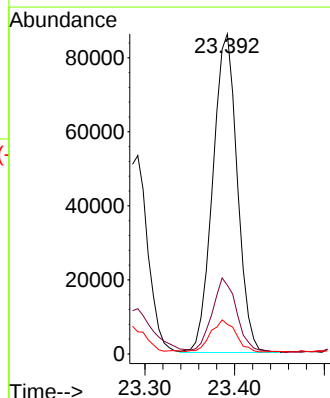
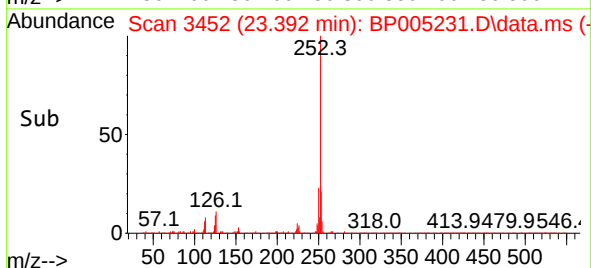
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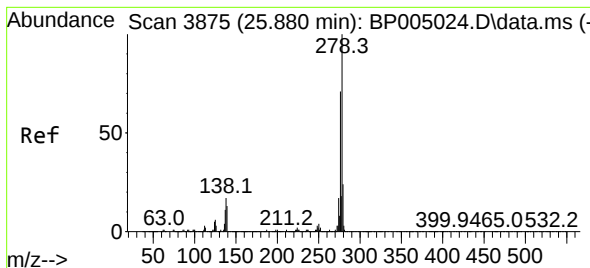


#90
Benzo(a)pyrene
Concen: 21.10 ng
RT: 23.392 min Scan# 3452
Delta R.T. 0.000 min
Lab File: BP005231.D
Acq: 07 Apr 2021 21:07



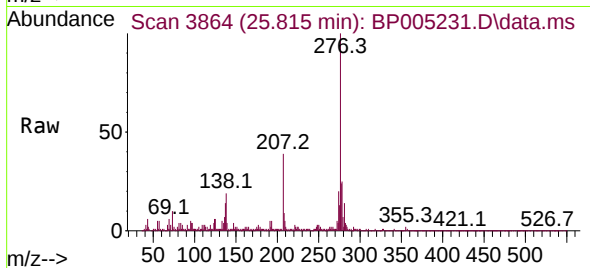
Tgt Ion:252 Resp: 162927
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 9.3 8.2 12.4





#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

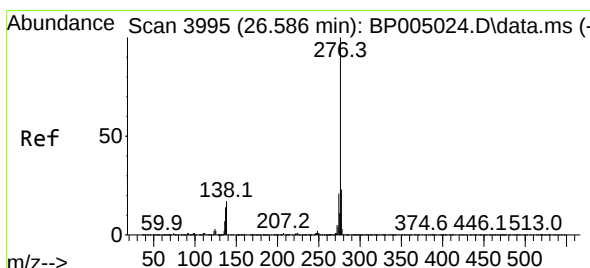
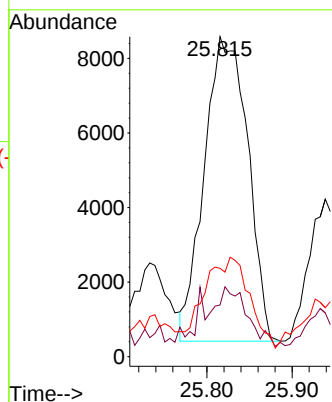
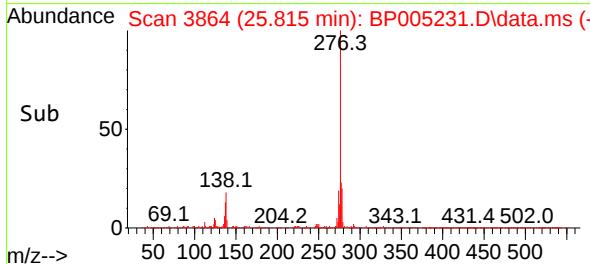
Instrument :
BNA_P
ClientSampleId :
SU-03-040621



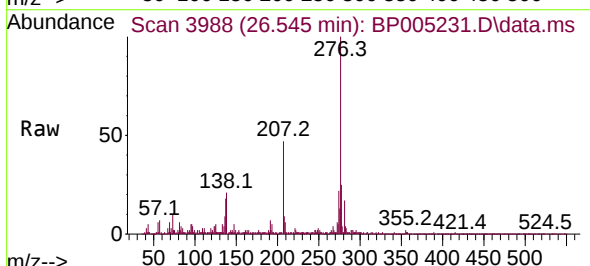
Tgt Ion: 278 Resp: 28895
Ion Ratio Lower Upper
278 100
139 16.2 12.4 18.6
279 27.6 19.0 28.6

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#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

