

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005671.D
 Acq On : 02 Jun 2021 18:22
 Operator : CG/JU
 Sample : M2580-04 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B2(0-2)

Manual Integrations
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Quant Time: Jun 02 18:53:43 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	345403	20.00	ng	0.00
21) Naphthalene-d8	10.799	136	1215585	20.00	ng	0.00
39) Acenaphthene-d10	14.610	164	652806	20.00	ng	0.00
64) Phenanthrene-d10	17.357	188	1215089	20.00	ng	# 0.00
76) Chrysene-d12	21.422	240	1403473	20.00	ng	# 0.00
86) Perylene-d12	23.874	264	1696099	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	857401	38.59	ng	0.00
7) Phenol-d6	7.152	99	979882	32.35	ng	0.00
23) Nitrobenzene-d5	9.152	82	621289	28.42	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	403757	48.23	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	1389495	28.17	ng	0.00
79) Terphenyl-d14	19.898	244	1809104	24.19	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.846	128	543972	7.51	ng	97
37) 2-Methylnaphthalene	12.452	142	168599	3.29	ng	# 85
38) 1-Methylnaphthalene	12.669	142	112082	2.30	ng	# 92
50) Dimethylphthalate	14.063	163	173042	3.33	ng	99
52) Acenaphthene	14.675	154	234743	5.38	ng	96
55) Dibenzofuran	15.004	168	274861	4.11	ng	98
58) Fluorene	15.657	166	348519	6.51	ng	97
71) Phenanthrene	17.398	178	3327315	43.95	ng	99
72) Anthracene	17.487	178	790490	10.58	ng	100
73) Carbazole	17.751	167	357702	4.86	ng	99
75) Fluoranthene	19.357	202	4087142	44.98	ng	96
78) Pyrene	19.704	202	3541150	35.76	ng	99
81) Benzo(a)anthracene	21.410	228	2065778	20.06	ng	96
83) Chrysene	21.463	228	1782949	17.88	ng	96
84) Bis(2-ethylhexyl)phtha...	21.328	149	116832	2.09	ng	97
87) Indeno(1,2,3-cd)pyrene	26.439	276	1291607	8.95	ng	# 95
88) Benzo(b)fluoranthene	23.127	252	2498215	20.30	ng	# 96
89) Benzo(k)fluoranthene	23.169	252	824968m	7.07	ng	
90) Benzo(a)pyrene	23.763	252	1867498	16.68	ng	# 93
91) Dibenzo(a,h)anthracene	26.451	278	369026	2.95	ng	# 80
92) Benzo(g,h,i)perylene	27.233	276	1243104	10.29	ng	# 94

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

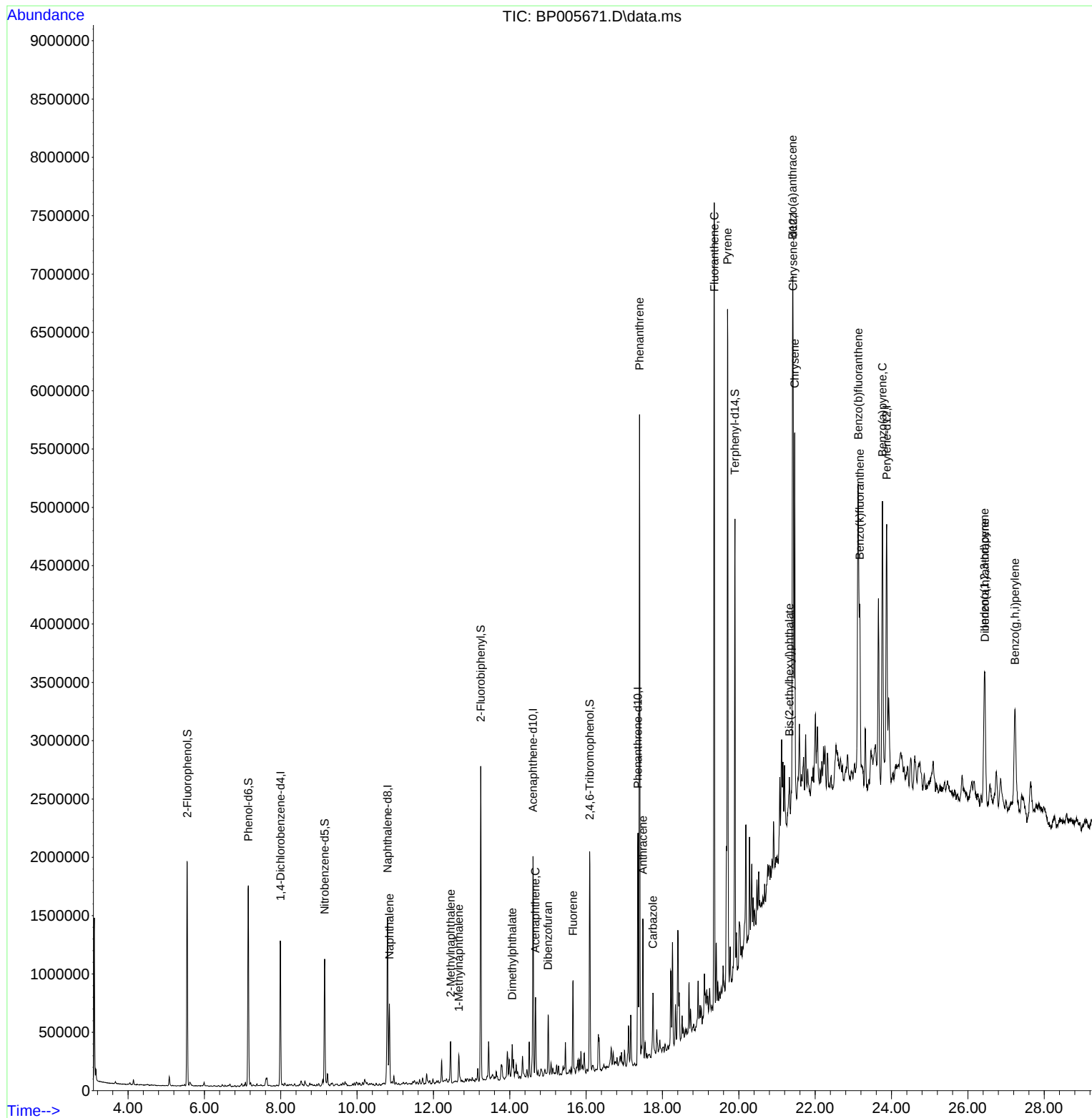
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005671.D
Acq On : 02 Jun 2021 18:22
Operator : CG/JU
Sample : M2580-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

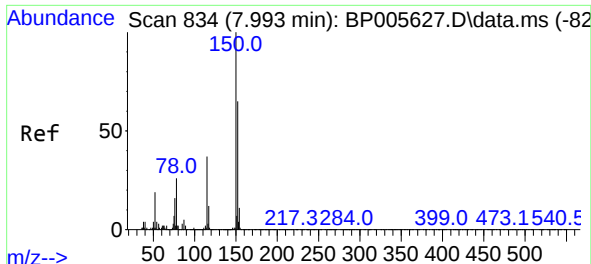
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

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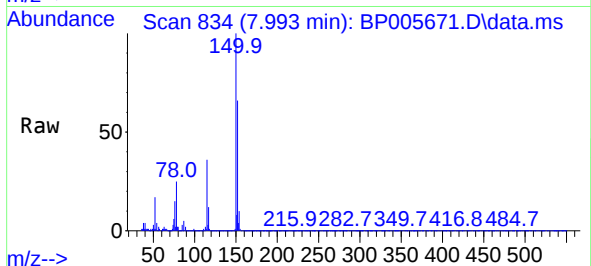
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Quant Time: Jun 02 18:53:43 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
Response via : Initial Calibration

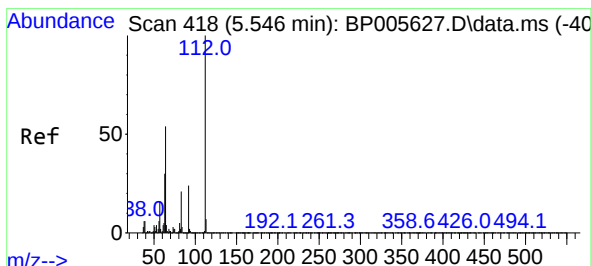
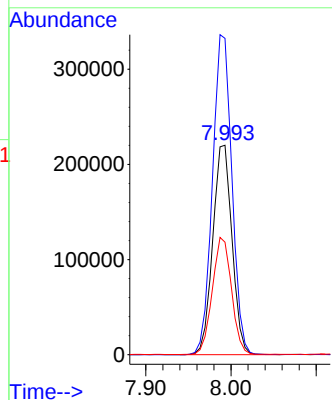
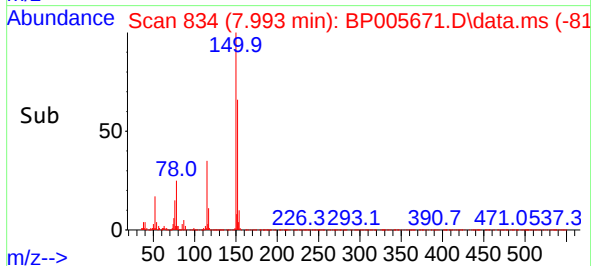




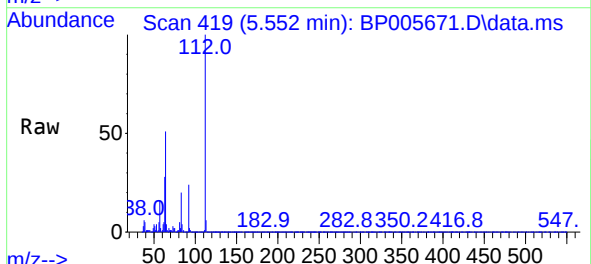
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



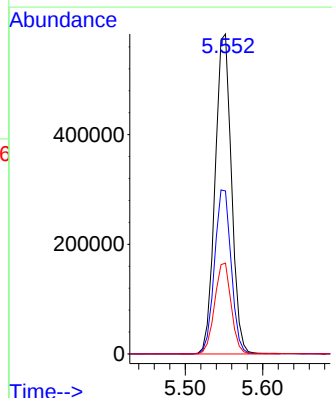
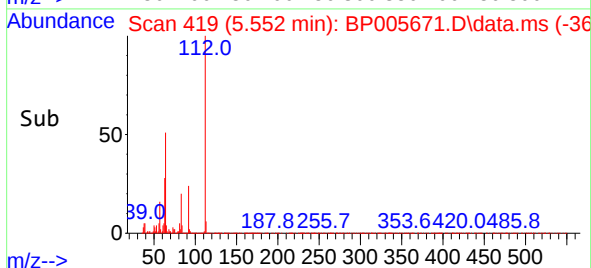
Tgt Ion:152 Resp: 345403
Ion Ratio Lower Upper
152 100
150 151.0 119.8 179.8
115 53.7 49.0 73.4



#5
2-Fluorophenol
Concen: 38.59 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



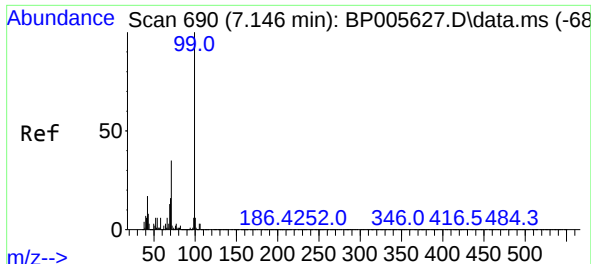
Tgt Ion:112 Resp: 857401
Ion Ratio Lower Upper
112 100
64 50.9 33.6 50.4#
63 28.4 18.6 27.8#



Instrument :
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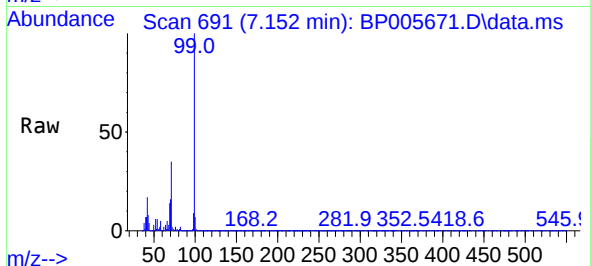
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#7
Phenol-d6
Concen: 32.35 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

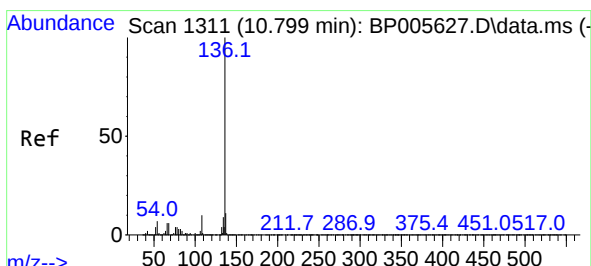
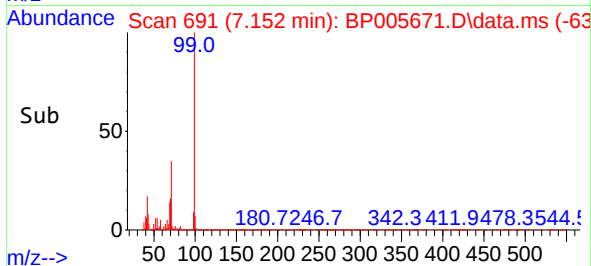
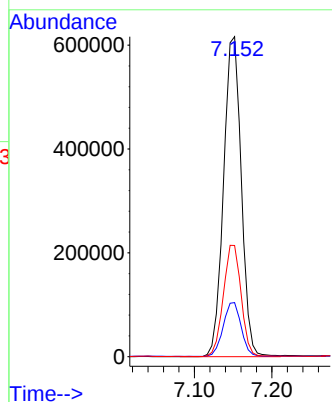
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)



Tgt Ion: 99 Resp: 979882
Ion Ratio Lower Upper
99 100
42 16.9 12.9 19.3
71 34.8 26.7 40.1

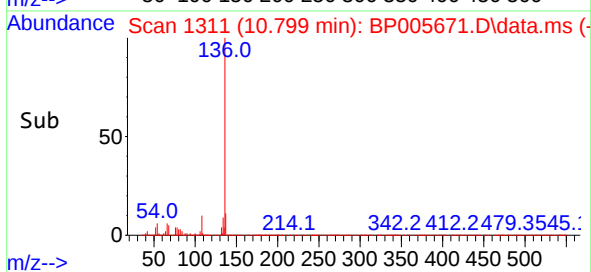
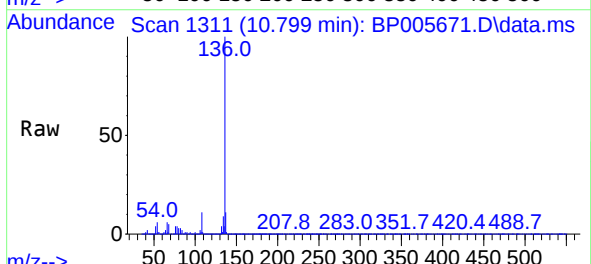
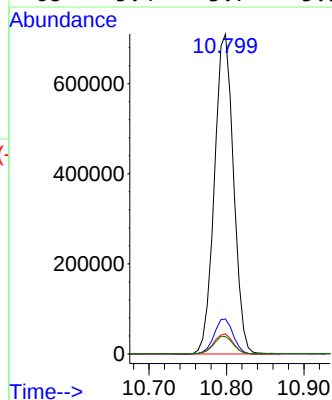
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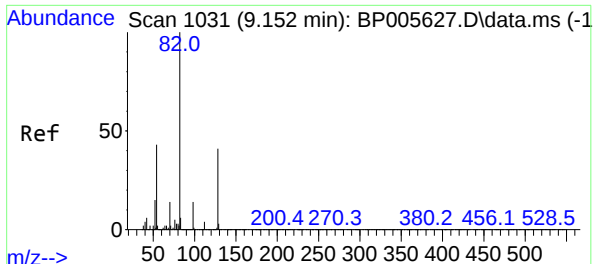
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.799 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion: 136 Resp: 1215585
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.3 5.0 7.4
68 5.4 3.7 5.5





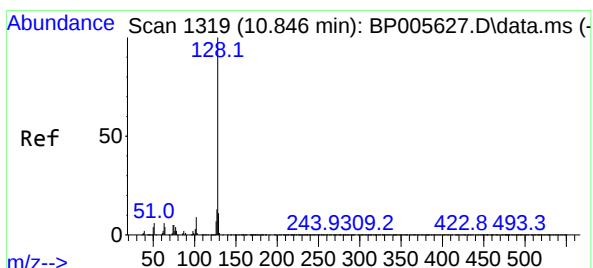
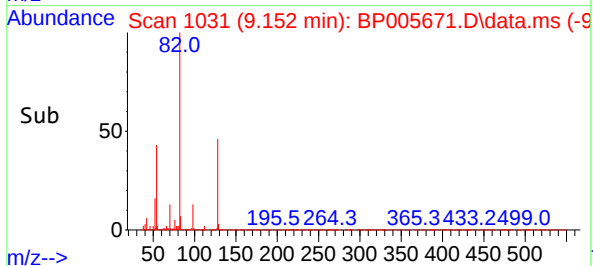
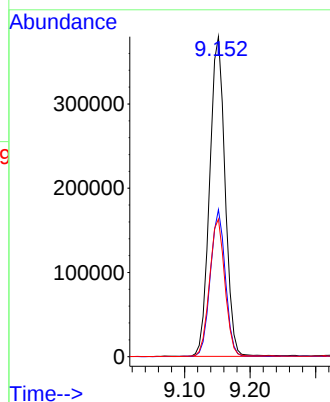
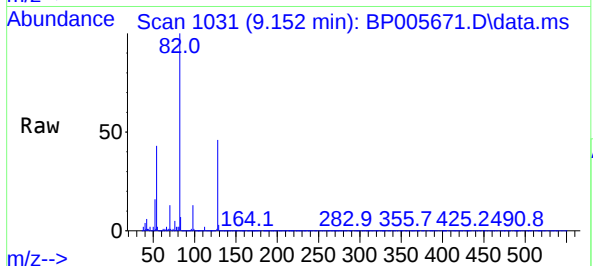
#23
Nitrobenzene-d5
Concen: 28.42 ng
RT: 9.152 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion: 82 Resp: 621289
Ion Ratio Lower Upper
82 100
128 45.9 30.5 45.7#
54 43.0 33.9 50.9

Instrument :
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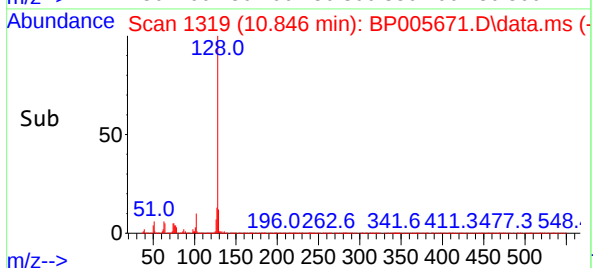
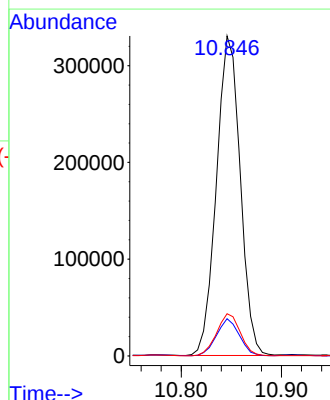
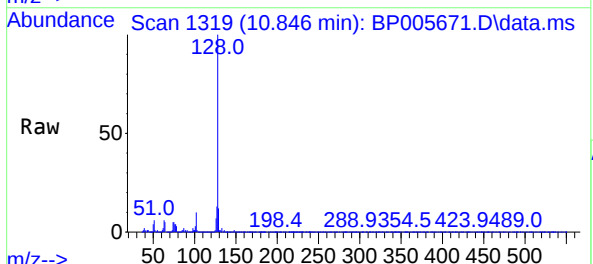
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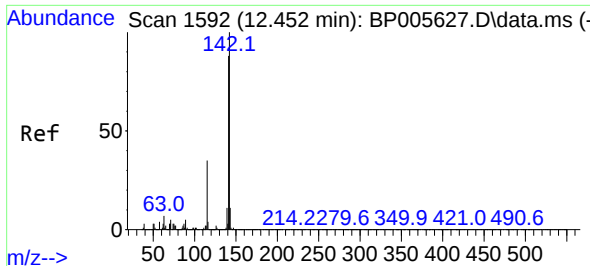
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#31
Naphthalene
Concen: 7.51 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

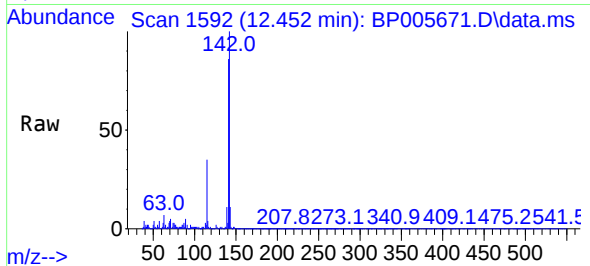
Tgt Ion: 128 Resp: 543972
Ion Ratio Lower Upper
128 100
129 11.7 8.0 12.0
127 13.2 11.1 16.7





#37
2-Methylnaphthalene
Concen: 3.29 ng
RT: 12.452 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

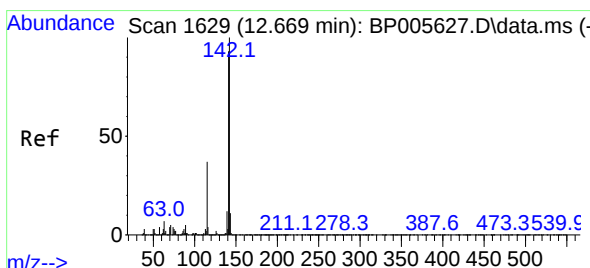
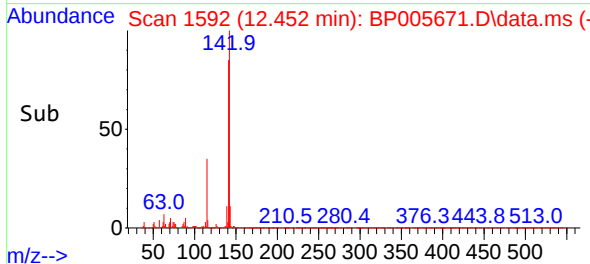
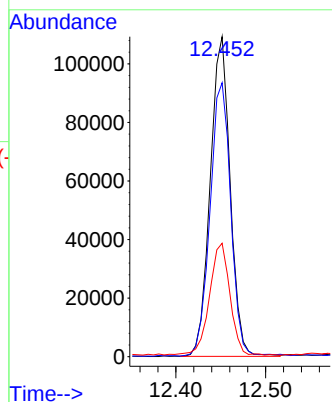
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BNA_P
ClientSampleId :
18-B2(0-2)



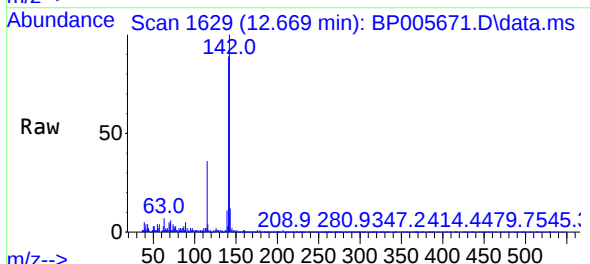
Tgt Ion:142 Resp: 168599
Ion Ratio Lower Upper
142 100
141 85.6 74.7 112.1
115 35.4 43.8 65.8#

Manual Integrations
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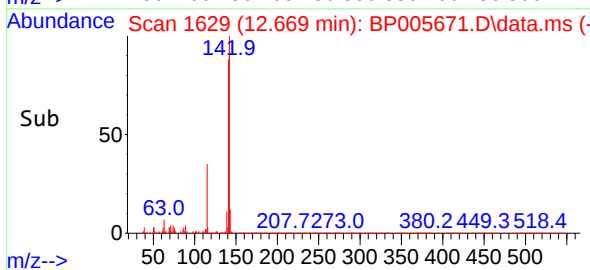
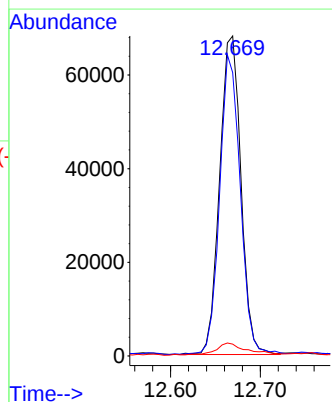
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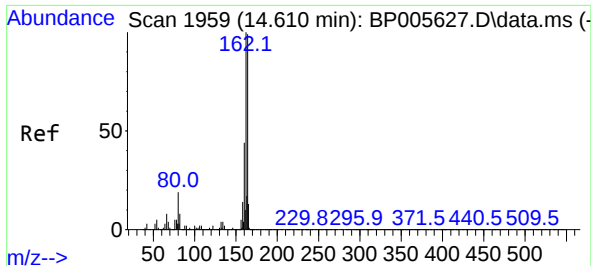


#38
1-Methylnaphthalene
Concen: 2.30 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



Tgt Ion:142 Resp: 112082
Ion Ratio Lower Upper
142 100
141 88.6 77.0 115.6
116 3.7 5.0 7.6#





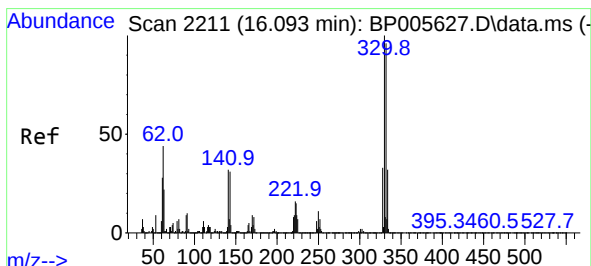
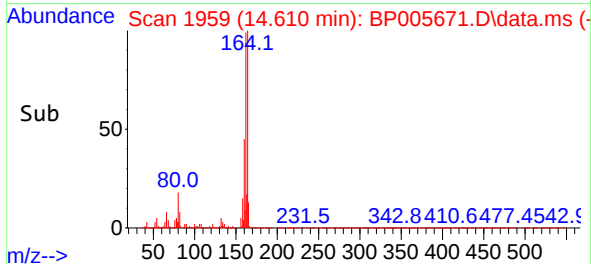
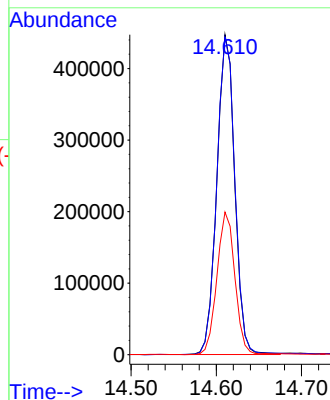
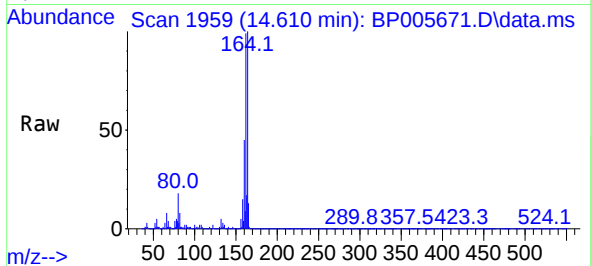
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:164 Resp: 652806
Ion Ratio Lower Upper
164 100
162 99.2 73.5 110.3
160 44.6 40.6 61.0

Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

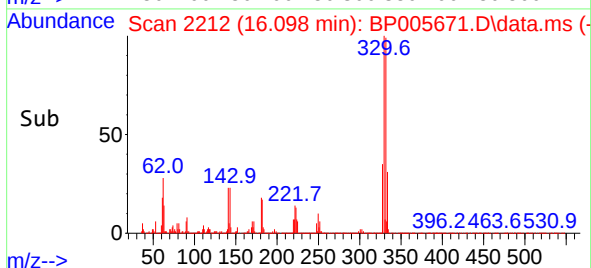
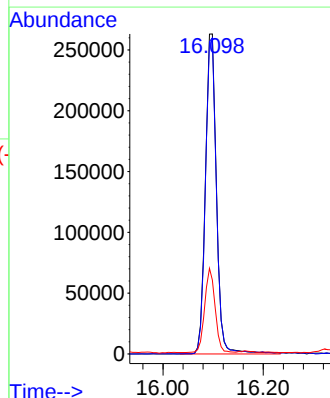
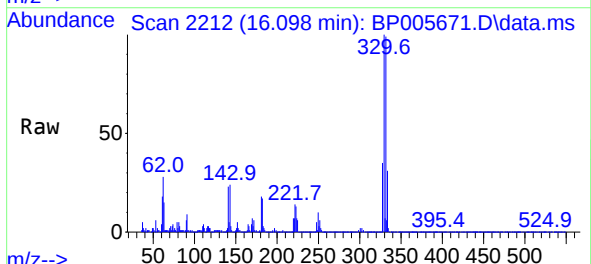
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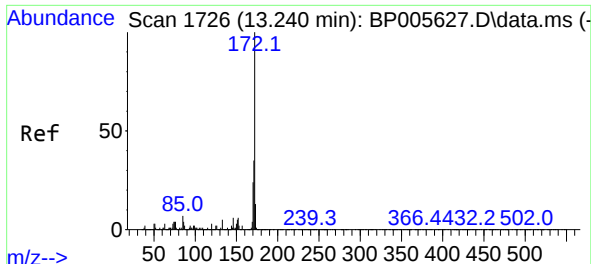
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#42
2,4,6-Tribromophenol
Concen: 48.23 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

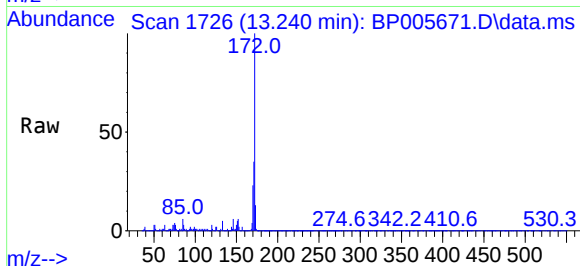
Tgt Ion:330 Resp: 403757
Ion Ratio Lower Upper
330 100
332 97.3 76.3 114.5
141 24.7 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 28.17 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

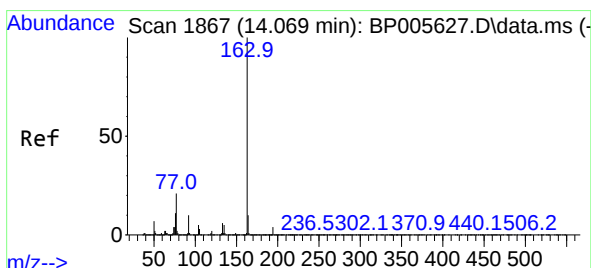
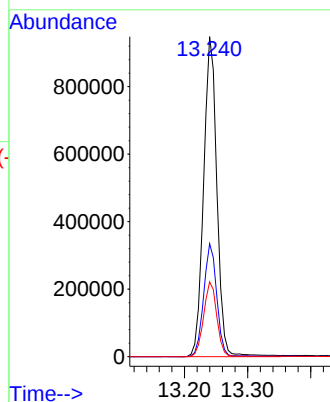
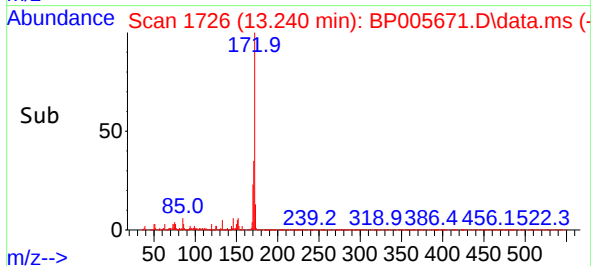
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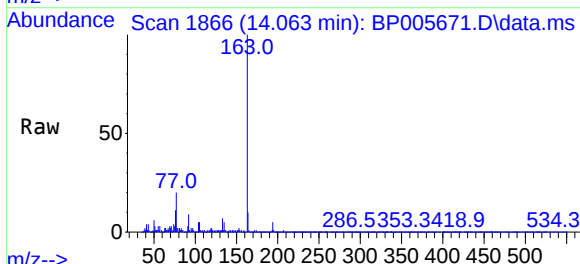
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Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 19.6 29.4

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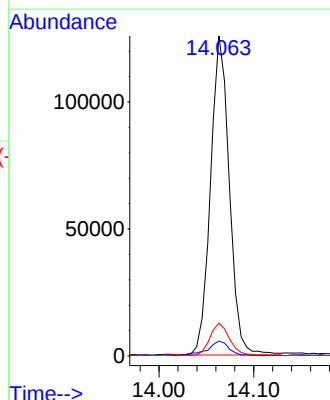
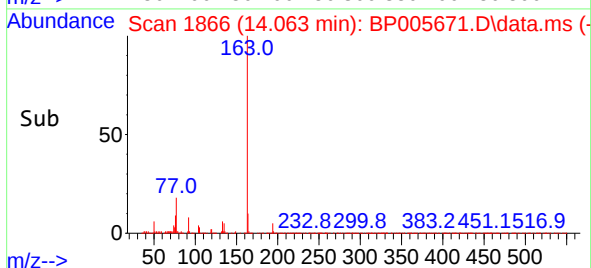
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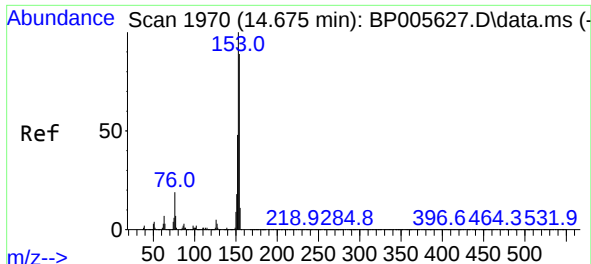


#50
Dimethylphthalate
Concen: 3.33 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



Tgt Ion:163 Resp: 173042
Ion Ratio Lower Upper
163 100
194 4.7 3.9 5.9
164 10.2 8.1 12.1





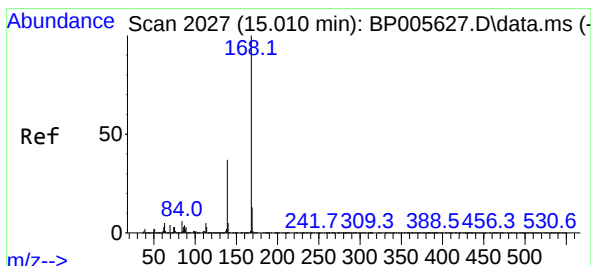
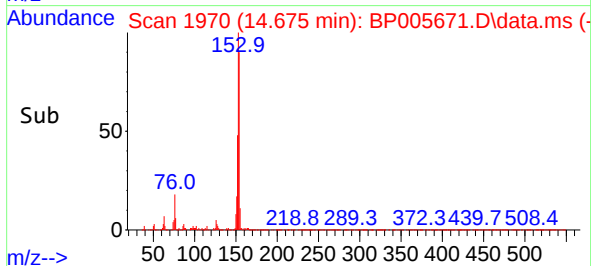
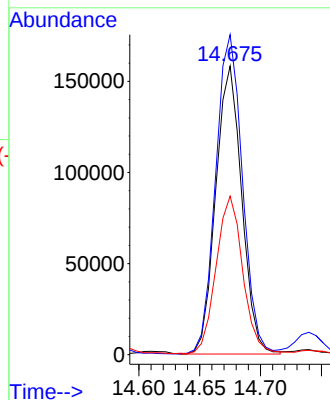
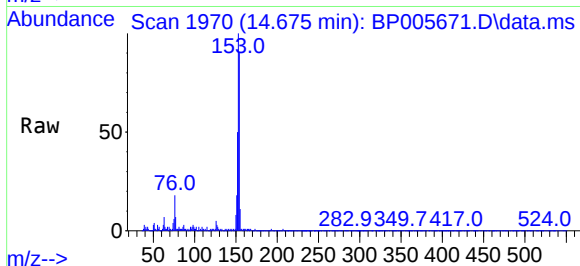
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Acenaphthene
Concen: 5.38 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:154 Resp: 234743
Ion Ratio Lower Upper
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153 110.9 90.9 136.3
152 54.9 48.5 72.7

Instrument :
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ClientSampleId :
18-B2(0-2)

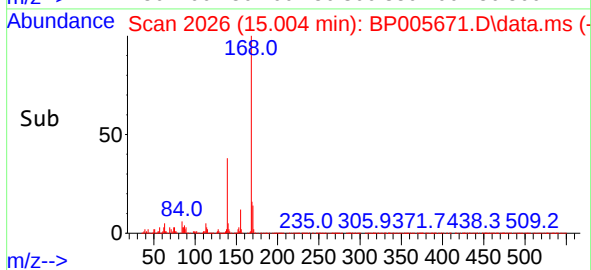
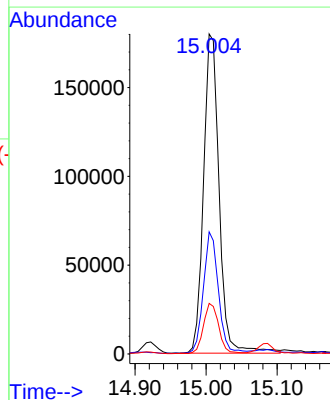
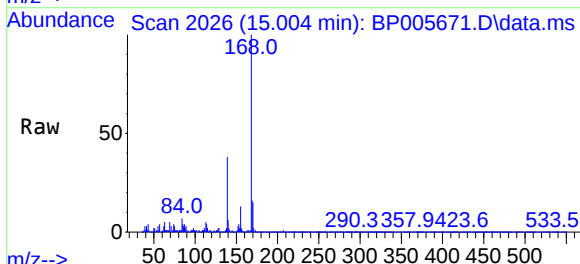
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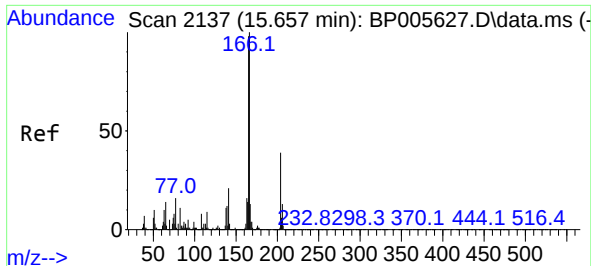
mohammad
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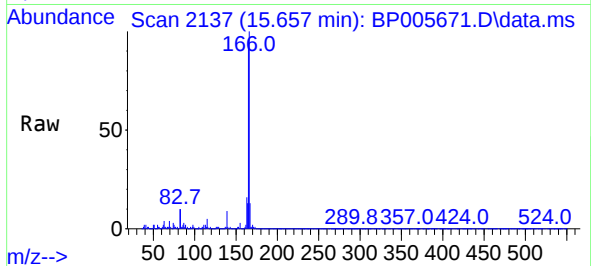
#55
Dibenzofuran
Concen: 4.11 ng
RT: 15.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:168 Resp: 274861
Ion Ratio Lower Upper
168 100
139 38.1 31.4 47.0
169 15.8 11.4 17.0

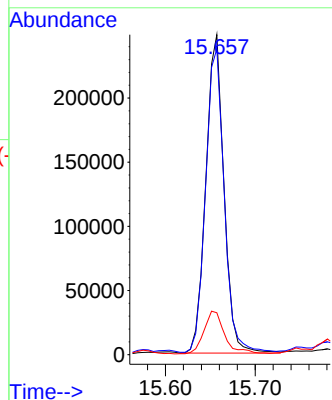
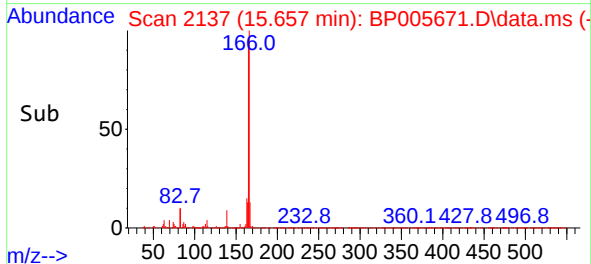




#58
Fluorene
Concen: 6.51 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



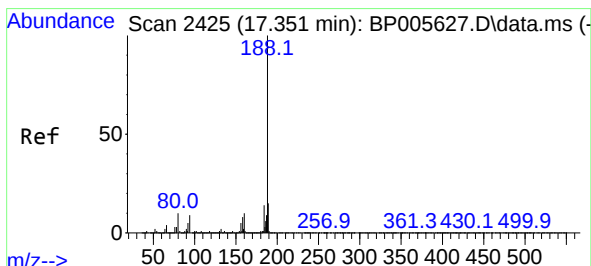
Tgt Ion:166 Resp: 348519
Ion Ratio Lower Upper
166 100
165 95.6 78.8 118.2
167 13.1 10.9 16.3



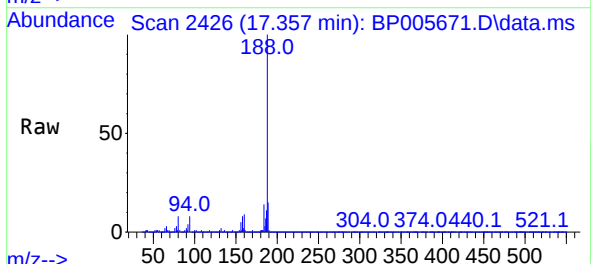
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

Manual Integrations
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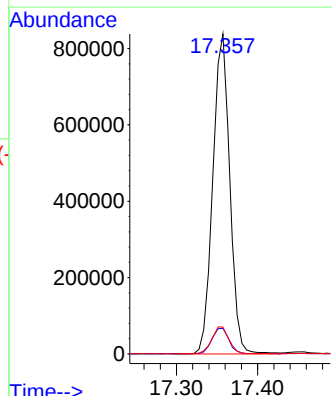
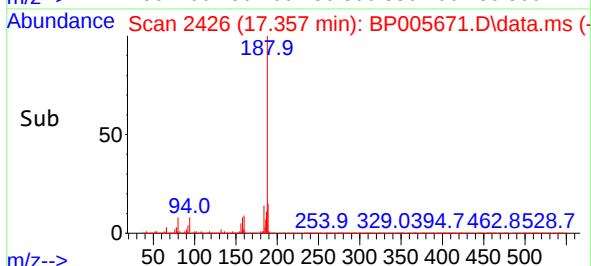
mohammad
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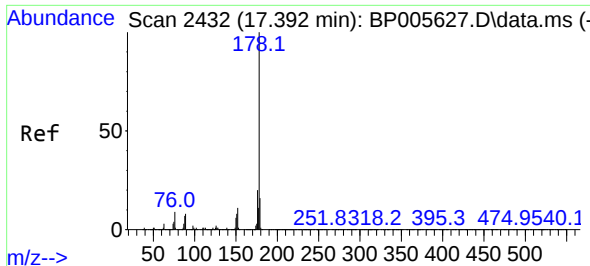


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



Tgt Ion:188 Resp: 1215089
Ion Ratio Lower Upper
188 100
94 8.0 5.0 7.6#
80 8.4 5.9 8.9





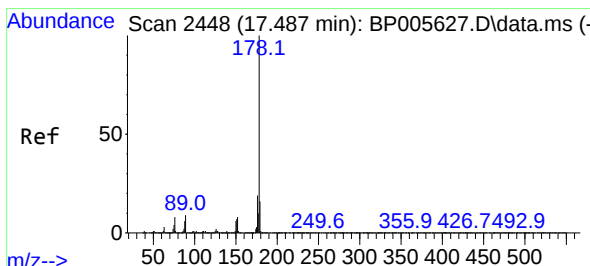
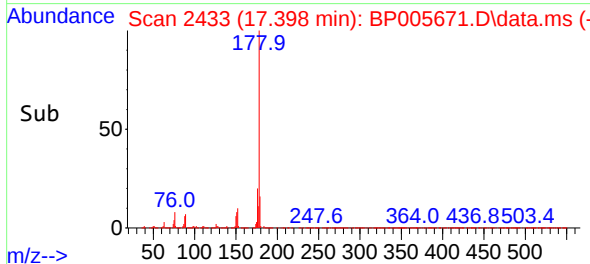
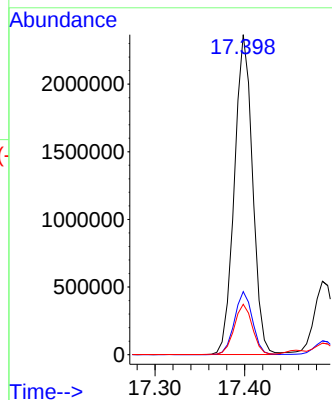
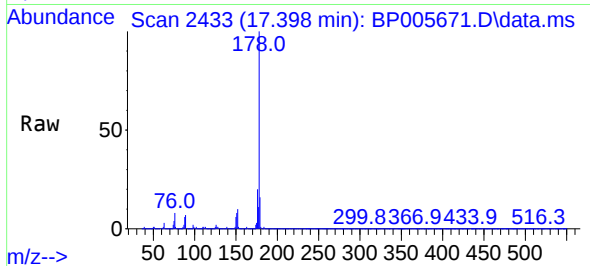
#71
Phenanthrene
Concen: 43.95 ng
RT: 17.398 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:178 Resp: 3327315
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.8 12.3 18.5

Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

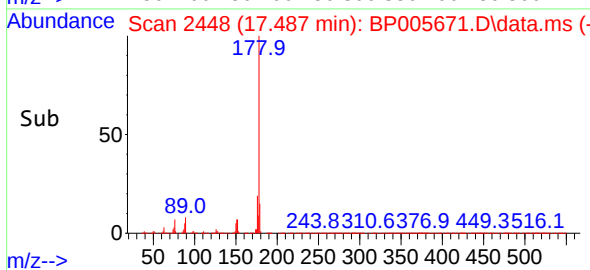
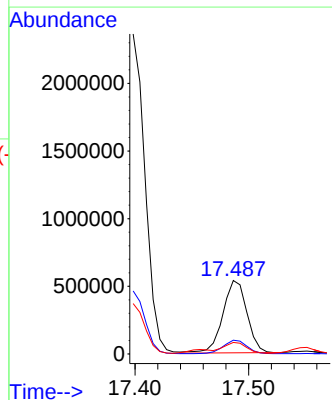
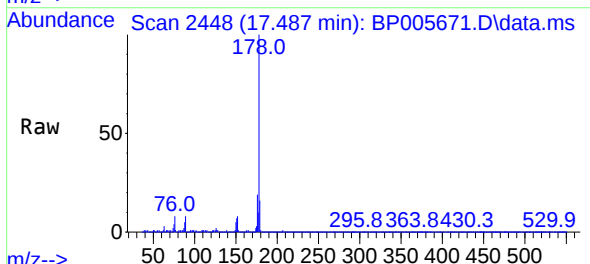
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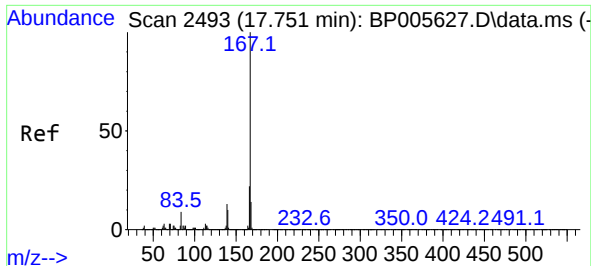
mohammad
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#72
Anthracene
Concen: 10.58 ng
RT: 17.487 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

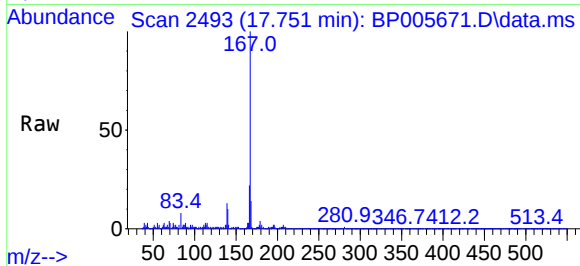
Tgt Ion:178 Resp: 790490
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 4.86 ng
 RT: 17.751 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP005671.D
 Acq: 02 Jun 2021 18:22

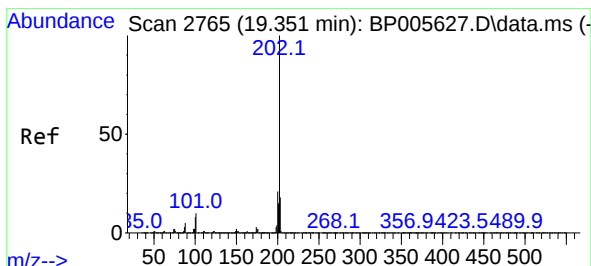
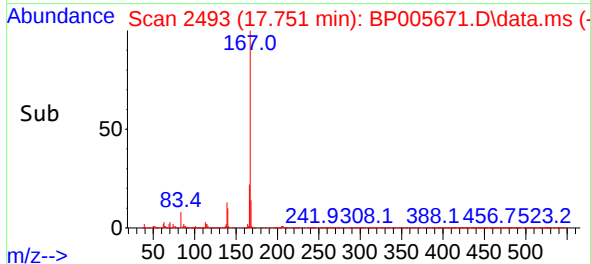
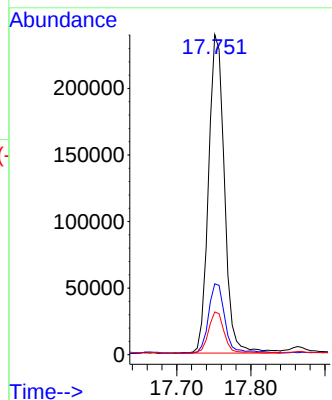
Instrument :
 BNA_P
 ClientSampleId :
 18-B2(0-2)



Tgt Ion:167 Resp: 357702
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 13.4 10.4 15.6

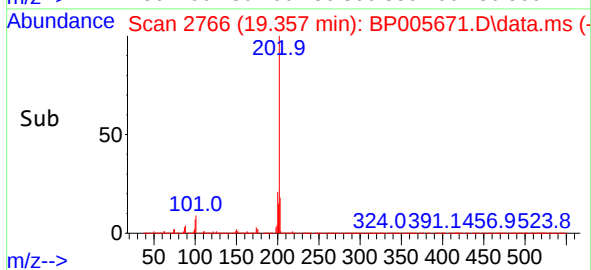
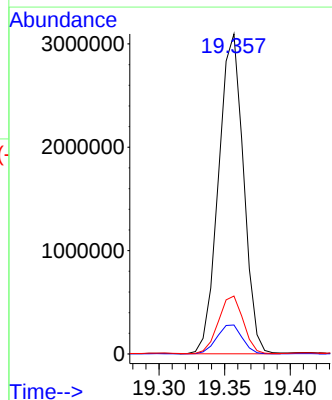
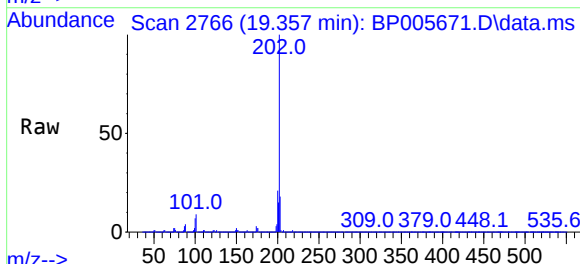
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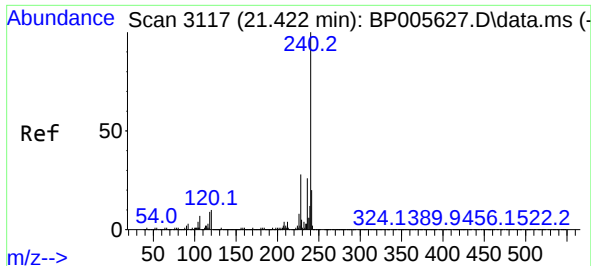
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#75
 Fluoranthene
 Concen: 44.98 ng
 RT: 19.357 min Scan# 2766
 Delta R.T. 0.006 min
 Lab File: BP005671.D
 Acq: 02 Jun 2021 18:22

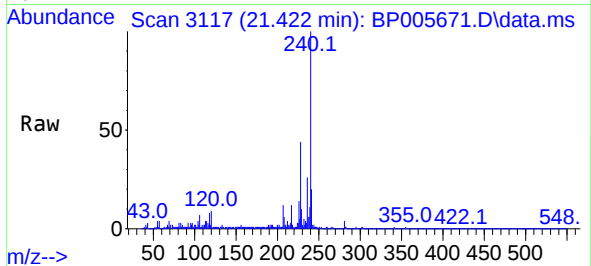
Tgt Ion:202 Resp: 4087142
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 26.1
 203 18.1 0.0 37.2





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

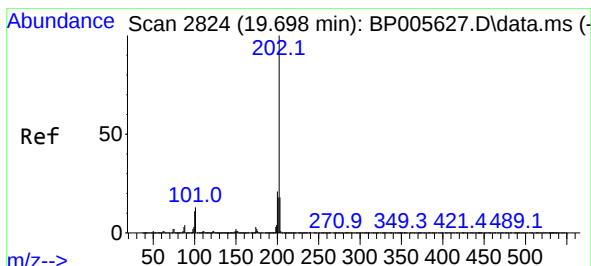
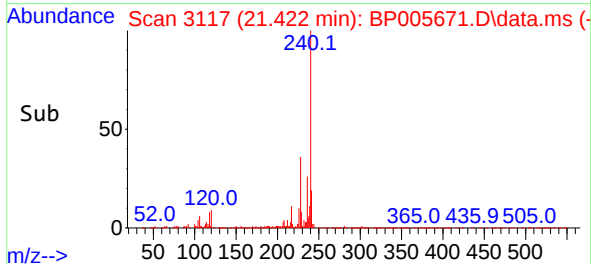
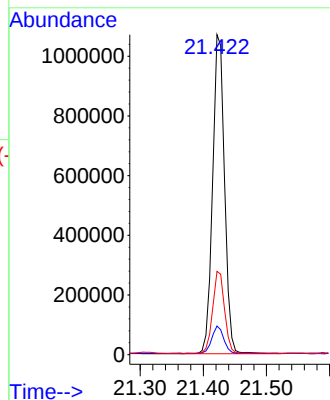
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)



Tgt Ion:240 Resp: 1403473
Ion Ratio Lower Upper
240 100
120 8.9 4.2 6.2#
236 26.1 20.2 30.2

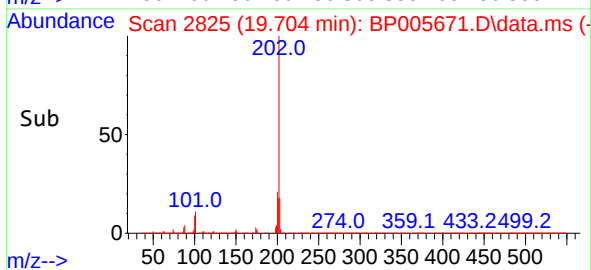
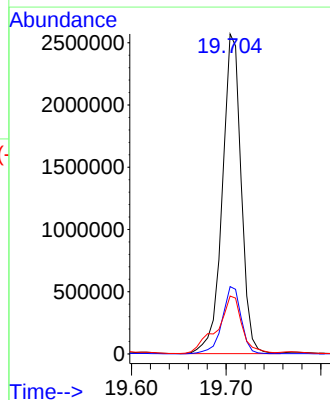
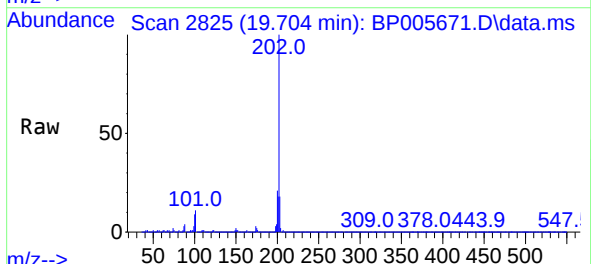
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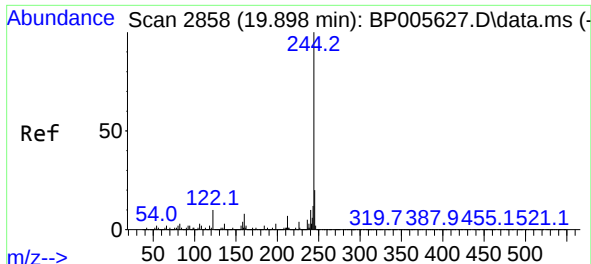
mohammad
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#78
Pyrene
Concen: 35.76 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:202 Resp: 3541150
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 18.1 13.8 20.6





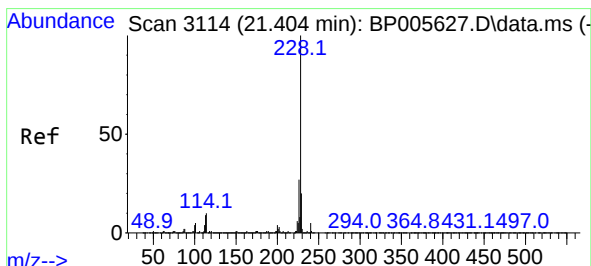
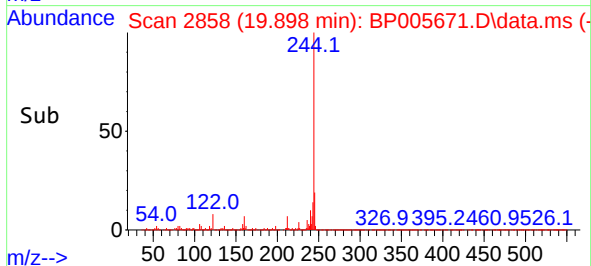
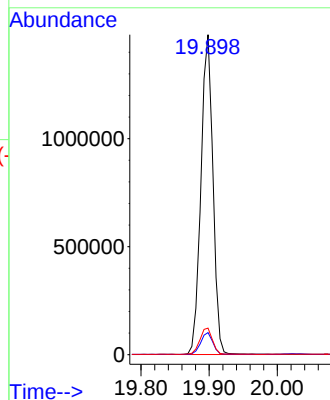
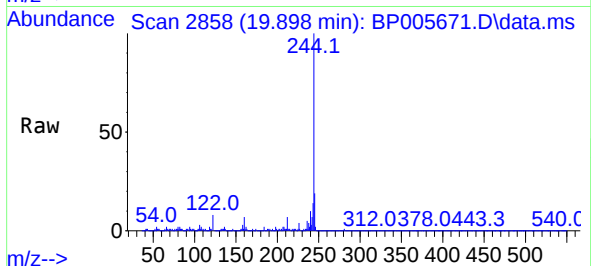
#79
Terphenyl-d14
Concen: 24.19 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:244 Resp: 1809104
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 8.3 5.2 7.8#

Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

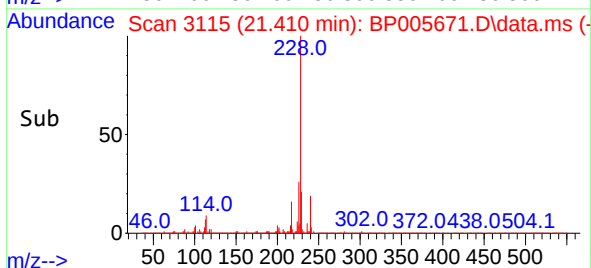
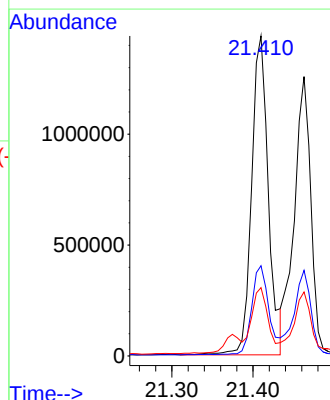
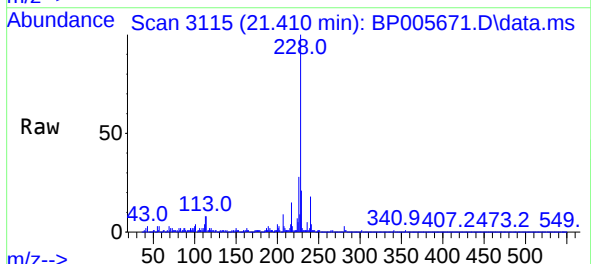
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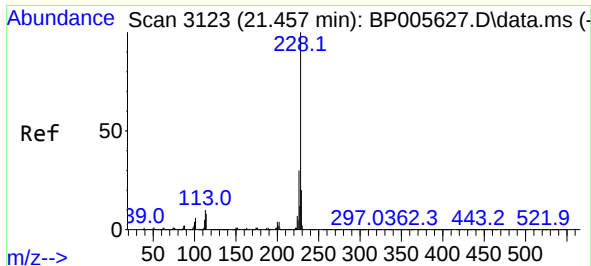
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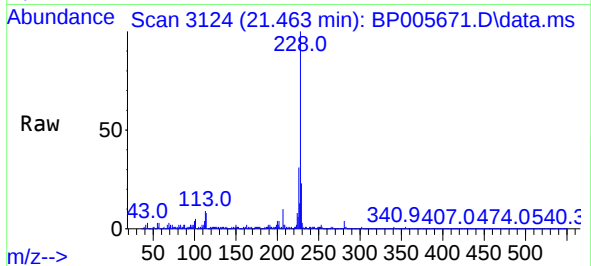
#81
Benzo(a)anthracene
Concen: 20.06 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion:228 Resp: 2065778
Ion Ratio Lower Upper
228 100
226 28.2 21.2 31.8
229 21.4 15.6 23.4

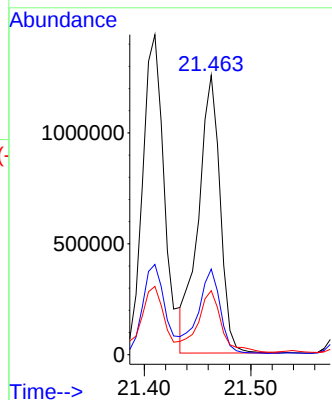
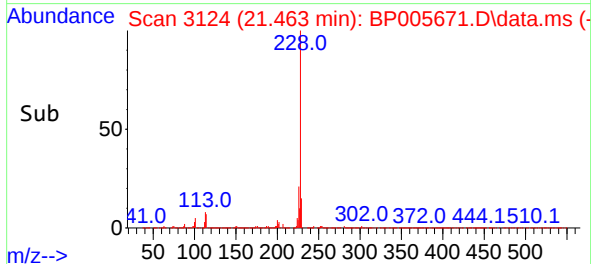




#83
Chrysene
Concen: 17.88 ng
RT: 21.463 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



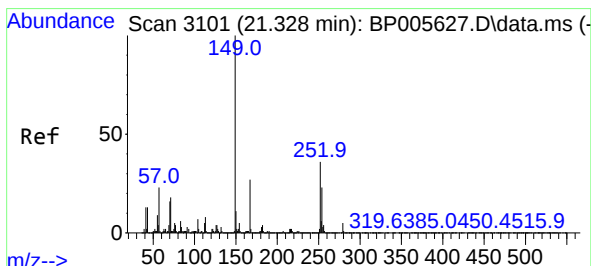
Tgt Ion:228 Resp: 1782949
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 22.9 15.4 23.0



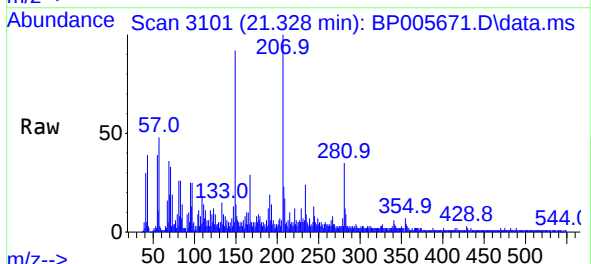
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

Manual Integrations
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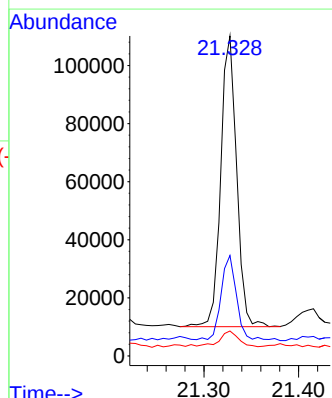
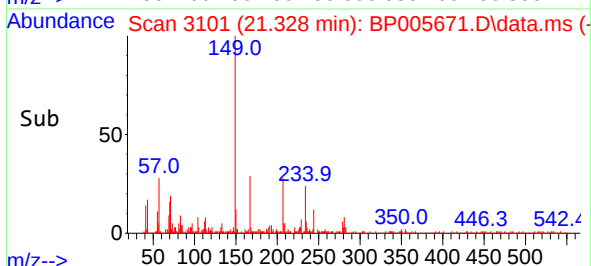
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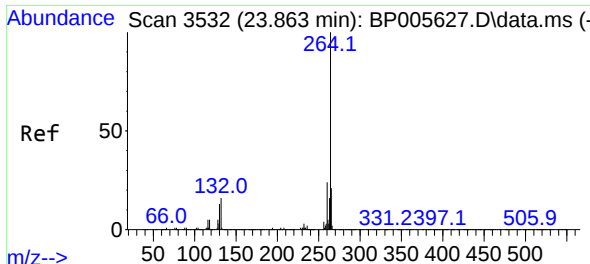


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.09 ng
RT: 21.328 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



Tgt Ion:149 Resp: 116832
Ion Ratio Lower Upper
149 100
167 31.4 23.8 35.8
279 7.8 5.7 8.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.874 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

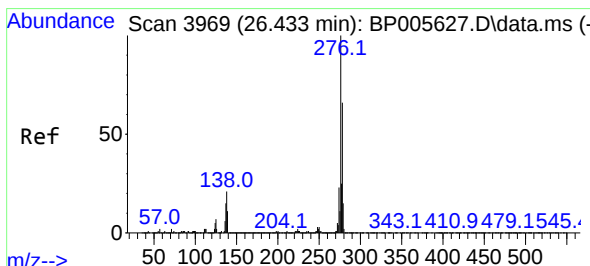
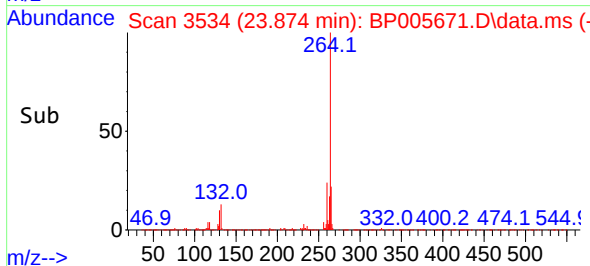
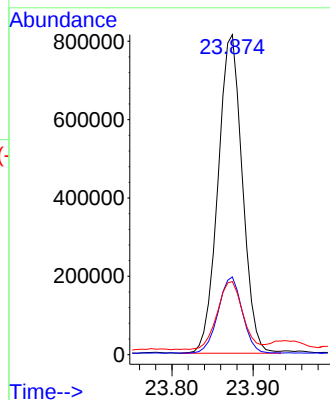
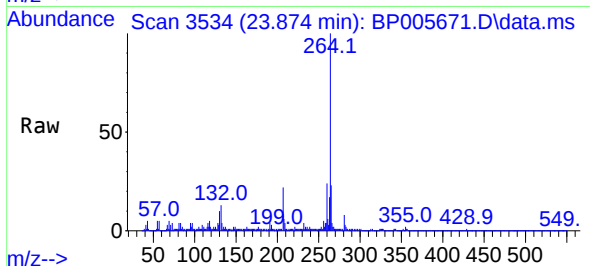
Tgt Ion: 264 Resp: 1696099

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.6	30.8
265	22.8	19.0	28.6

Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)

Manual Integrations
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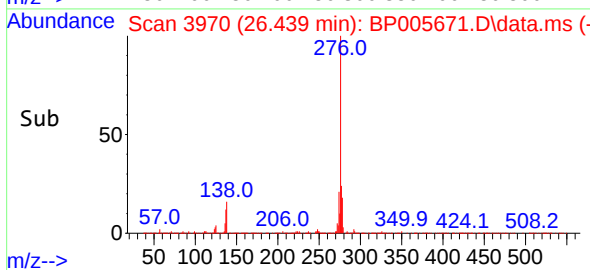
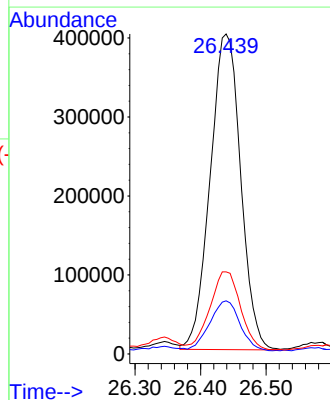
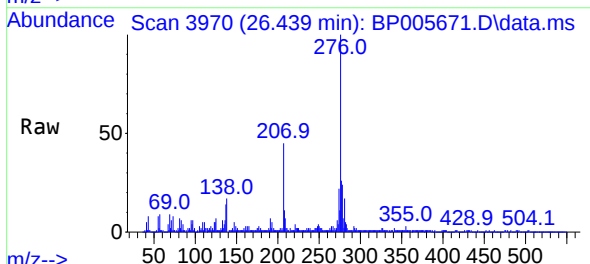
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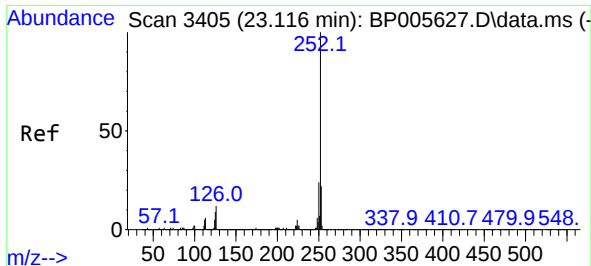


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.95 ng
RT: 26.439 min Scan# 3970
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Tgt Ion: 276 Resp: 1291607

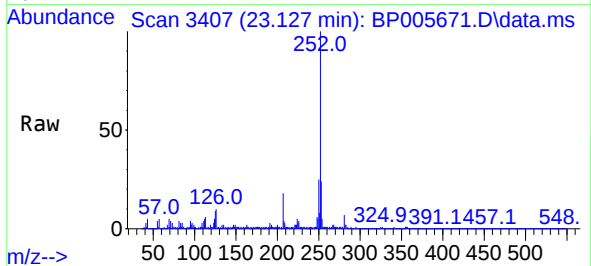
Ion	Ratio	Lower	Upper
276	100		
138	15.7	8.4	12.6
277	24.9	20.6	31.0





#88
Benzo(b)fluoranthene
Concen: 20.30 ng
RT: 23.127 min Scan# 3407
Delta R.T. 0.012 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

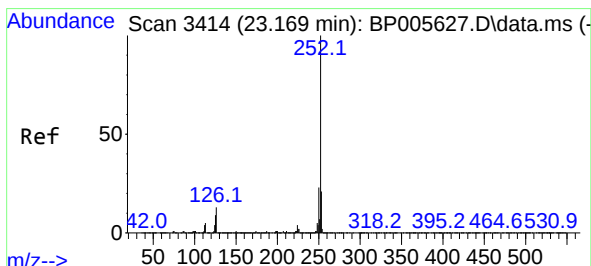
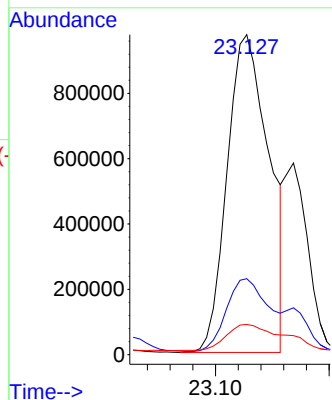
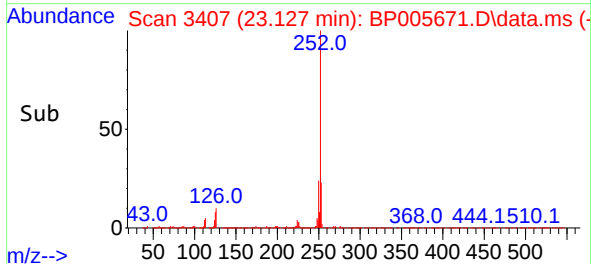
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)



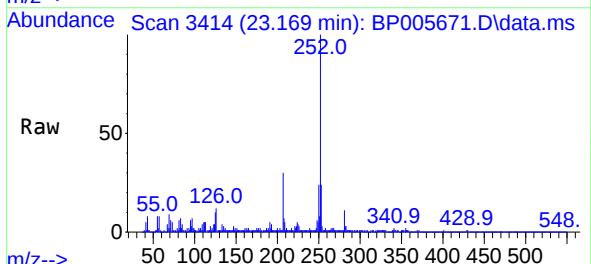
Tgt Ion:252 Resp: 2498215
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 9.5 3.4 5.0#

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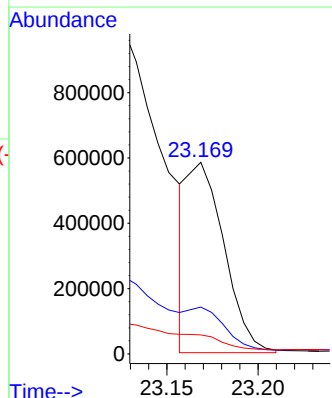
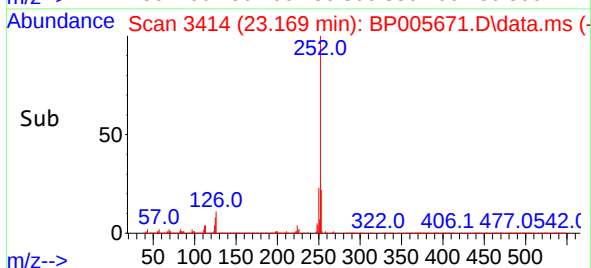
mohammad
6/3/2021 11:08:18 AM

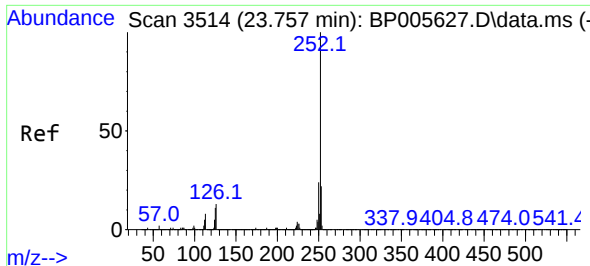


#89
Benzo(k)fluoranthene
Concen: 7.07 ng m
RT: 23.169 min Scan# 3414
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22



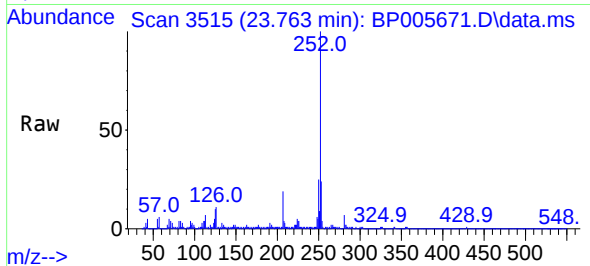
Tgt Ion:252 Resp: 824968
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 10.0 3.8 5.6#





#90
Benzo(a)pyrene
Concen: 16.68 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

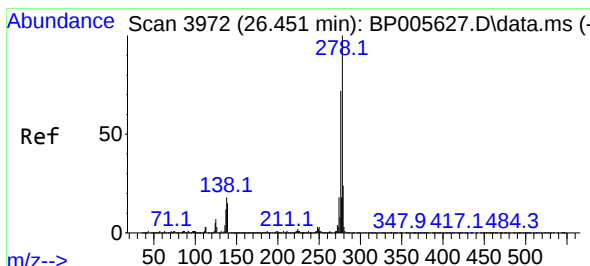
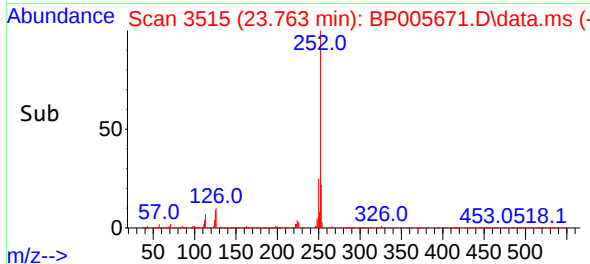
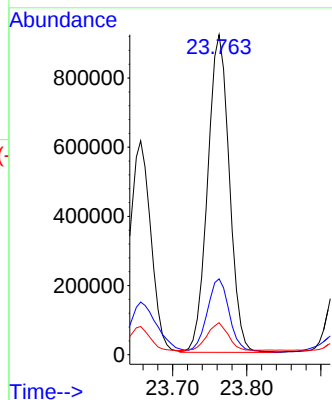
Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)



Tgt Ion:252 Resp: 1867498
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 10.0 3.8 5.6#

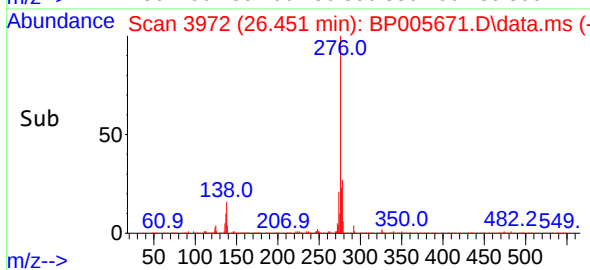
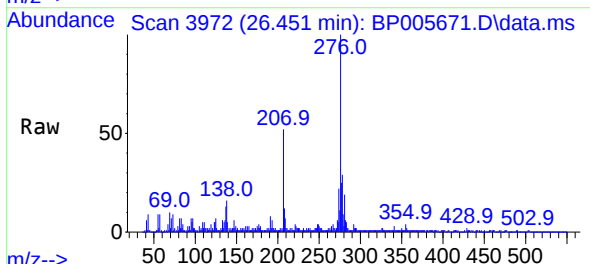
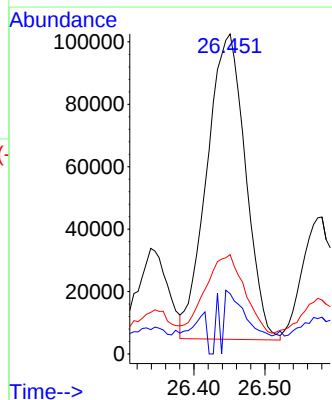
Manual Integrations
APPROVED

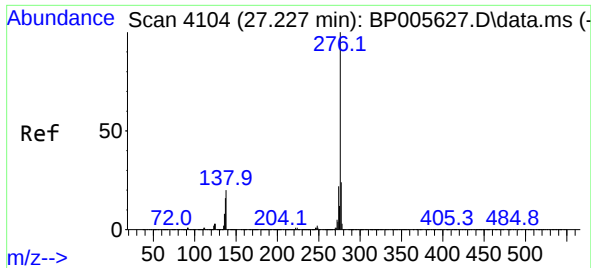
mohammad
6/3/2021 11:08:18 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.95 ng
RT: 26.451 min Scan# 3972
Delta R.T. -0.000 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

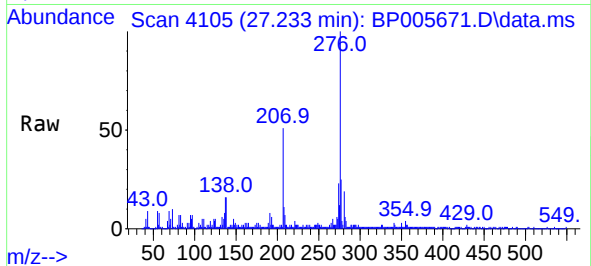
Tgt Ion:278 Resp: 369026
Ion Ratio Lower Upper
278 100
139 18.9 5.0 7.6#
279 31.1 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 10.29 ng
RT: 27.233 min Scan# 4105
Delta R.T. 0.006 min
Lab File: BP005671.D
Acq: 02 Jun 2021 18:22

Instrument :
BNA_P
ClientSampleId :
18-B2(0-2)



Tgt Ion: 276 Resp: 1243104
Ion Ratio Lower Upper
276 100
277 25.2 19.8 29.8
138 16.4 7.7 11.5#

Manual Integrations
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