

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005681.D
 Acq On : 03 Jun 2021 00:02
 Operator : CG/JU
 Sample : M2580-13 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B5(0-2)

Manual Integrations
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mohammad
 6/3/2021 11:08:44 AM

Quant Time: Jun 03 02:45:30 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	269645	20.00	ng	0.00
21) Naphthalene-d8	10.804	136	1093008	20.00	ng	0.00
39) Acenaphthene-d10	14.616	164	740864	20.00	ng	0.00
64) Phenanthrene-d10	17.363	188	1600268	20.00	ng	# 0.01
76) Chrysene-d12	21.433	240	1460968	20.00	ng	# 0.01
86) Perylene-d12	23.886	264	1607007	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	103386	5.96	ng	0.00
7) Phenol-d6	7.152	99	137086	5.80	ng	0.00
23) Nitrobenzene-d5	9.152	82	89423	4.55	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	50348	5.30	ng	0.01
45) 2-Fluorobiphenyl	13.246	172	257024	4.59	ng	0.00
79) Terphenyl-d14	19.898	244	431000	5.54	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.852	128	2396936	36.83	ng	98
37) 2-Methylnaphthalene	12.457	142	512720	11.12	ng	# 87
38) 1-Methylnaphthalene	12.669	142	324803	7.42	ng	# 93
46) 1,1'-Biphenyl	13.457	154	170124	2.83	ng	98
52) Acenaphthene	14.681	154	1152910	23.27	ng	96
55) Dibenzofuran	15.016	168	1295762	17.06	ng	96
58) Fluorene	15.663	166	1732356	28.53	ng	100
71) Phenanthrene	17.410	178	9471453	95.00	ng	97
72) Anthracene	17.498	178	3079435	31.28	ng	99
73) Carbazole	17.763	167	2038253	21.04	ng	100
75) Fluoranthene	19.369	202	8096787	67.66	ng	95
78) Pyrene	19.716	202	6761285	65.59	ng	97
80) Butylbenzylphthalate	20.569	149	77984	5.84	ng	96
81) Benzo(a)anthracene	21.416	228	3148993	29.37	ng	97
83) Chrysene	21.469	228	2697464	25.98	ng	97
84) Bis(2-ethylhexyl)phtha...	21.333	149	854639	14.68	ng	99
87) Indeno(1,2,3-cd)pyrene	26.462	276	1670572	12.22	ng	# 95
88) Benzo(b)fluoranthene	23.139	252	3399072	29.15	ng	# 96
89) Benzo(k)fluoranthene	23.180	252	1143224m	10.35	ng	
90) Benzo(a)pyrene	23.774	252	2538566	23.93	ng	# 93
91) Dibenzo(a,h)anthracene	26.468	278	462396	3.90	ng	# 79
92) Benzo(g,h,i)perylene	27.262	276	1596336	13.95	ng	# 94

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

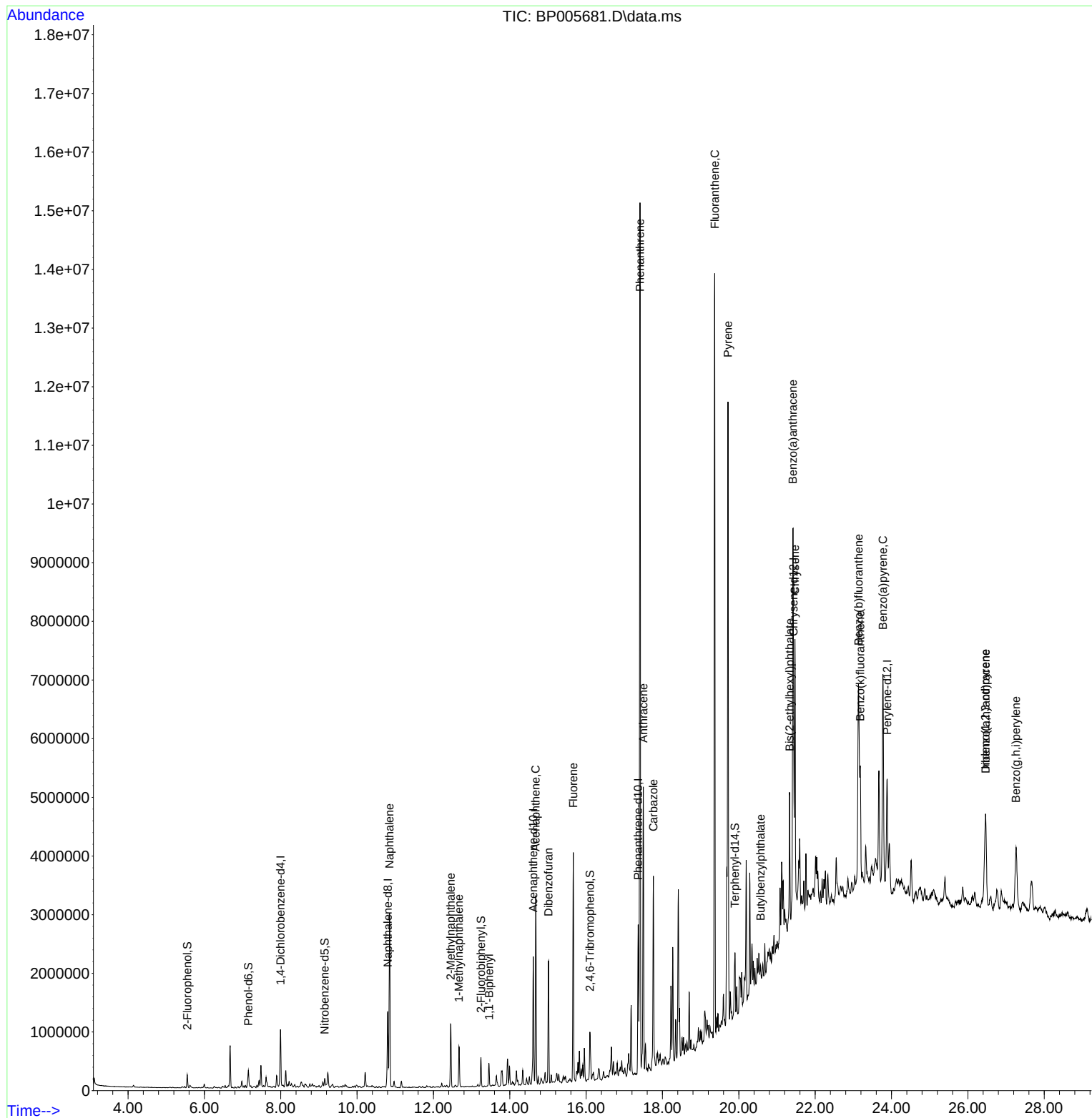
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005681.D
Acq On : 03 Jun 2021 00:02
Operator : CG/JU
Sample : M2580-13 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

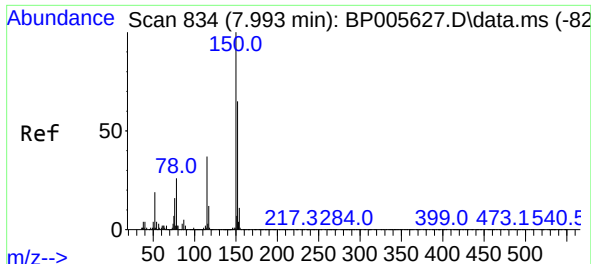
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

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6/3/2021 11:08:44 AM

Quant Time: Jun 03 02:45:30 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





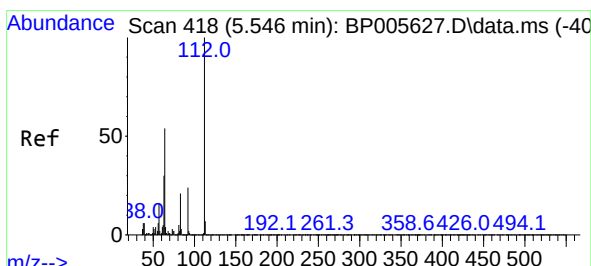
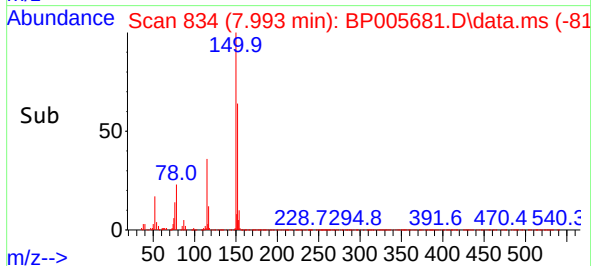
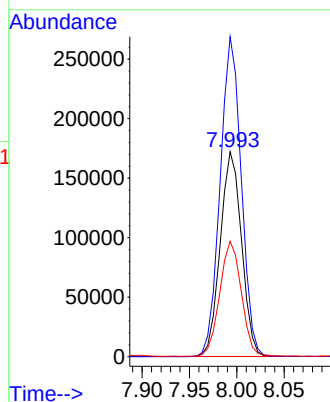
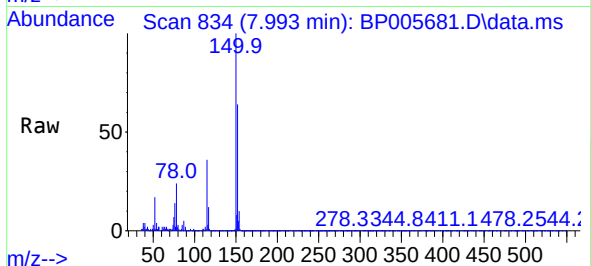
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:152 Resp: 269645
Ion Ratio Lower Upper
152 100
150 156.1 119.8 179.8
115 56.3 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

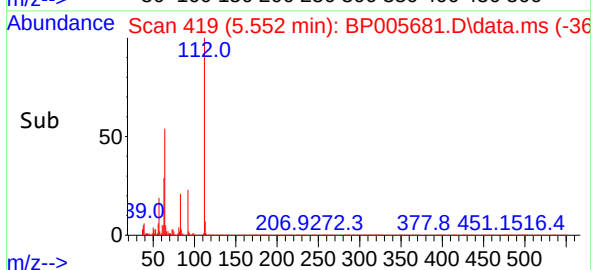
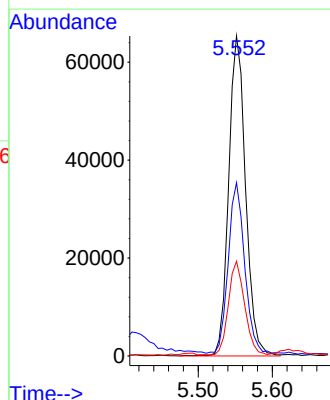
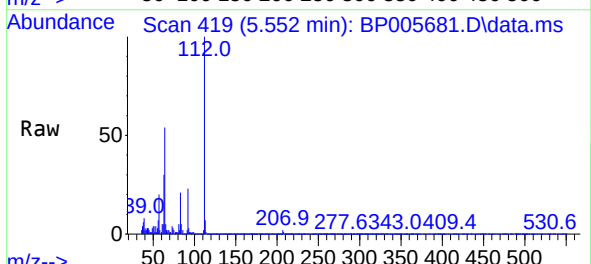
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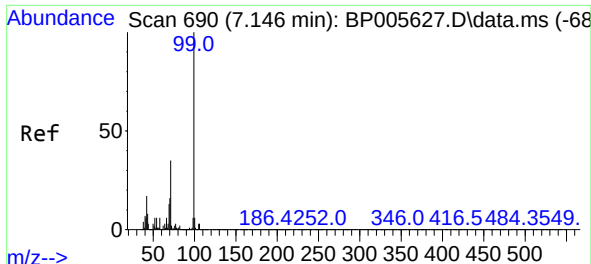
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#5
2-Fluorophenol
Concen: 5.96 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

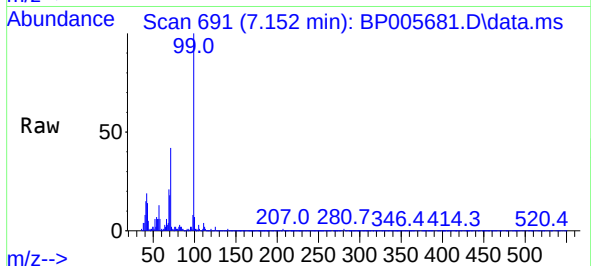
Tgt Ion:112 Resp: 103386
Ion Ratio Lower Upper
112 100
64 54.1 33.6 50.4#
63 29.6 18.6 27.8#





#7
Phenol-d6
Concen: 5.80 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

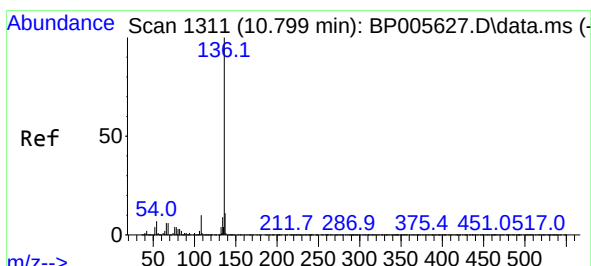
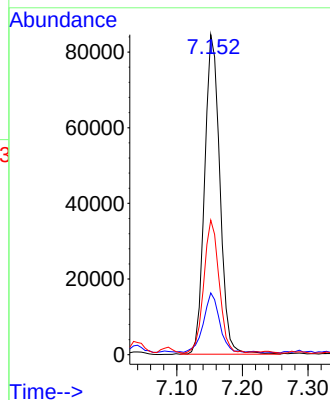
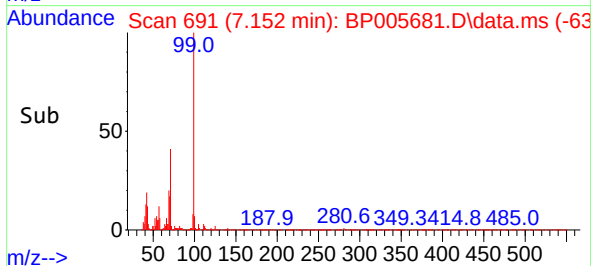
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



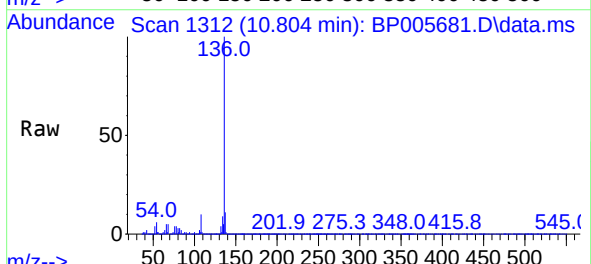
Tgt Ion: 99 Resp: 137086
Ion Ratio Lower Upper
99 100
42 19.3 12.9 19.3
71 42.1 26.7 40.1#

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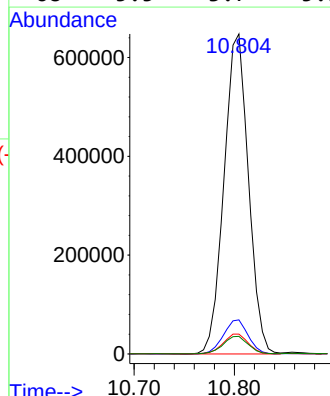
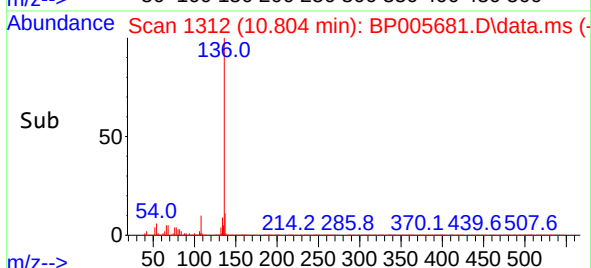
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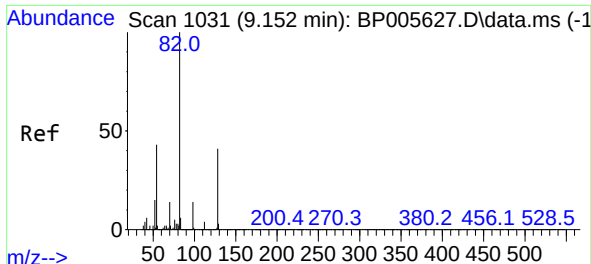


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.804 min Scan# 1312
Delta R.T. 0.005 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



Tgt Ion: 136 Resp: 1093008
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.2 5.0 7.4
68 5.5 3.7 5.5





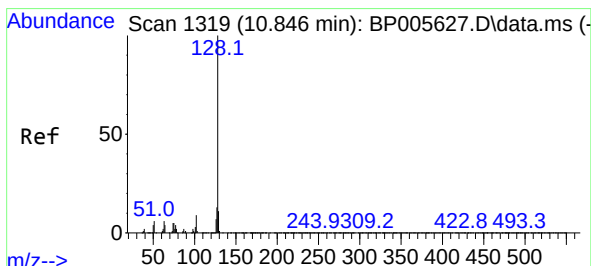
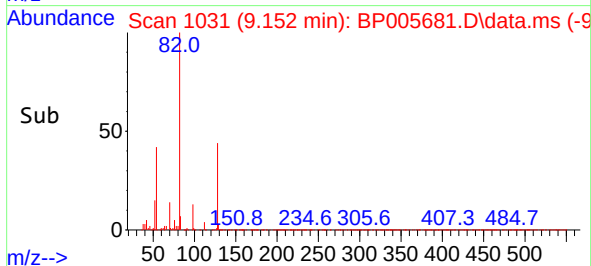
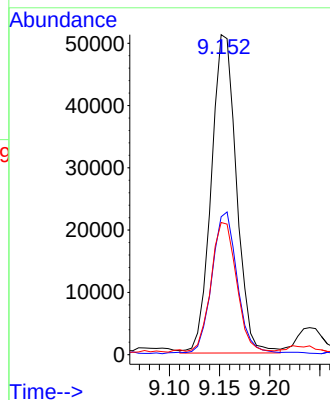
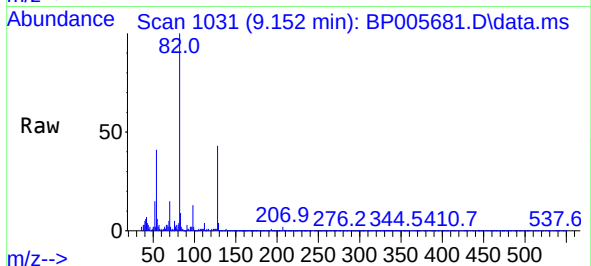
#23
Nitrobenzene-d5
Concen: 4.55 ng
RT: 9.152 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion: 82 Resp: 89423
Ion Ratio Lower Upper
82 100
128 43.1 30.5 45.7
54 41.3 33.9 50.9

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

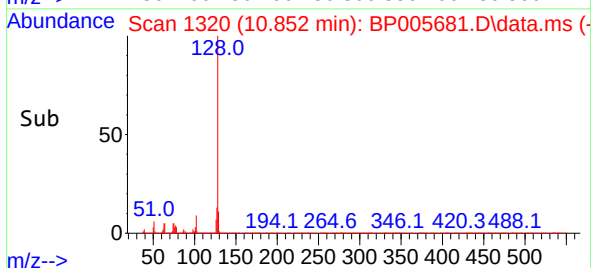
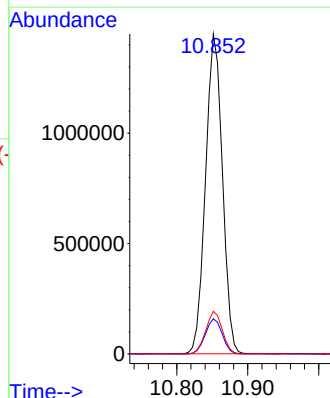
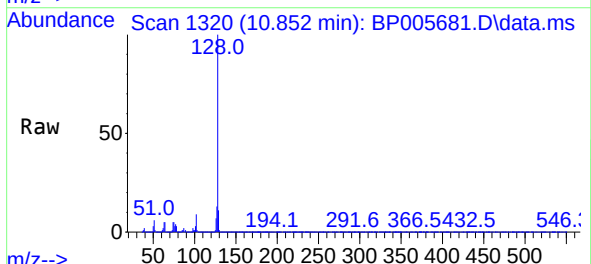
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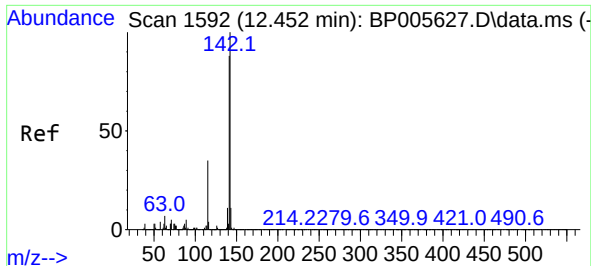
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#31
Naphthalene
Concen: 36.83 ng
RT: 10.852 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion: 128 Resp: 2396936
Ion Ratio Lower Upper
128 100
129 11.0 8.0 12.0
127 13.3 11.1 16.7





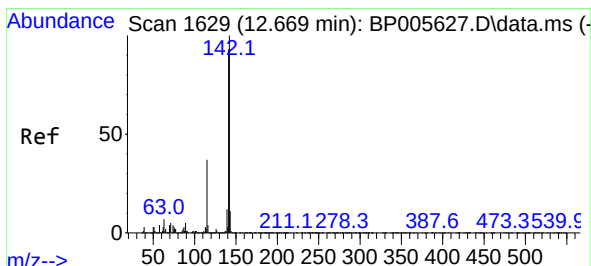
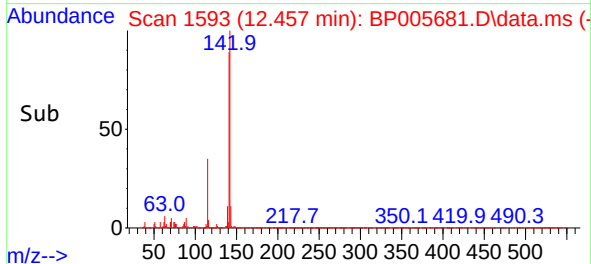
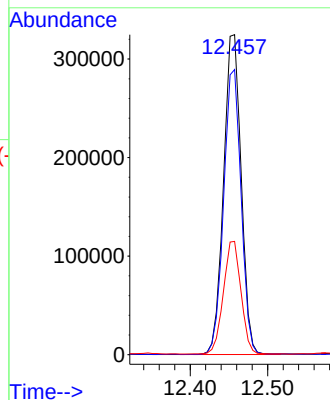
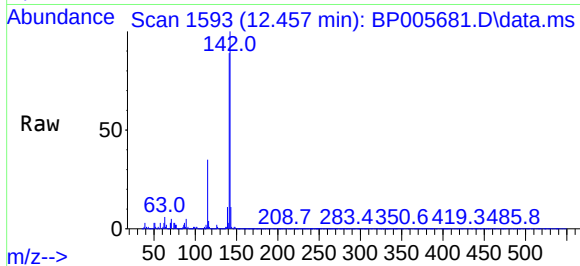
#37
2-Methylnaphthalene
Concen: 11.12 ng
RT: 12.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:142 Resp: 512720
Ion Ratio Lower Upper
142 100
141 89.1 74.7 112.1
115 35.4 43.8 65.8#

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

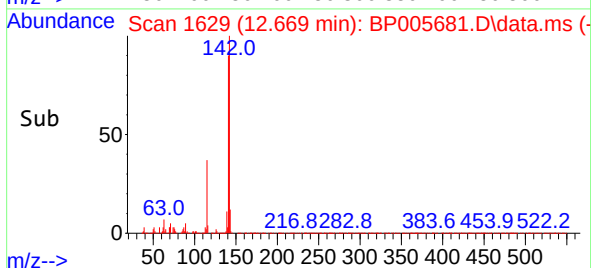
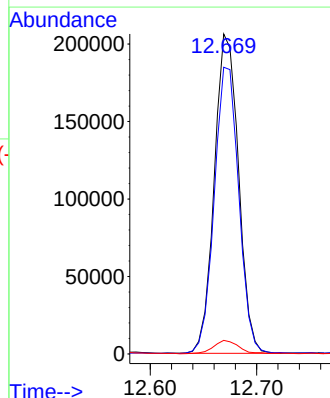
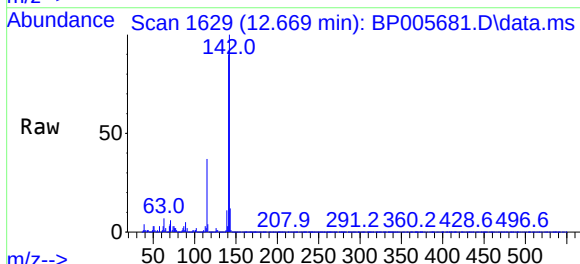
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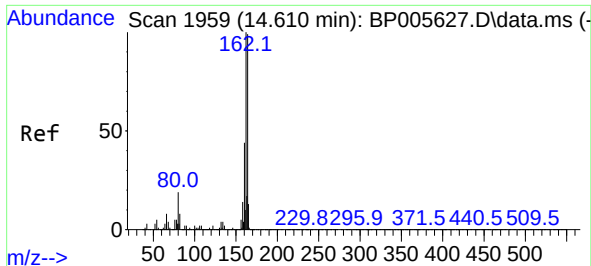
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#38
1-Methylnaphthalene
Concen: 7.42 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

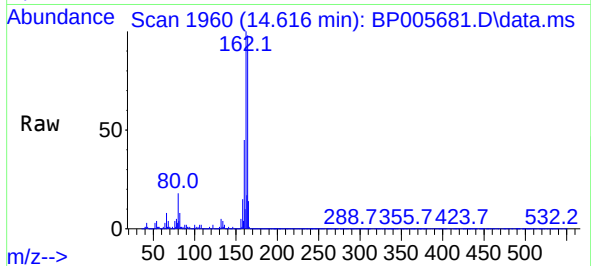
Tgt Ion:142 Resp: 324803
Ion Ratio Lower Upper
142 100
141 89.6 77.0 115.6
116 4.3 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

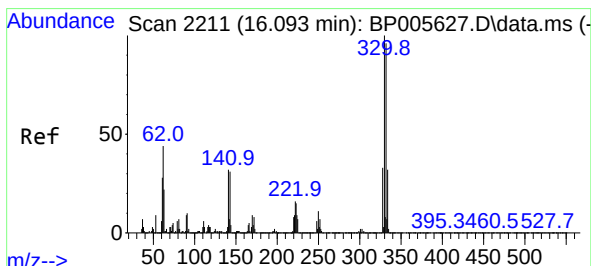
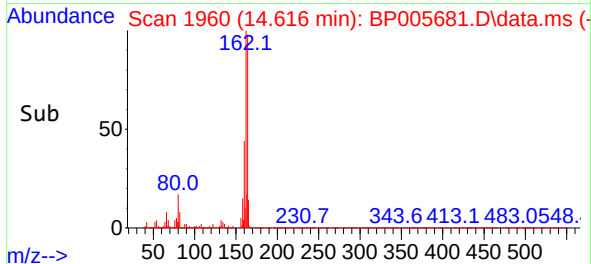
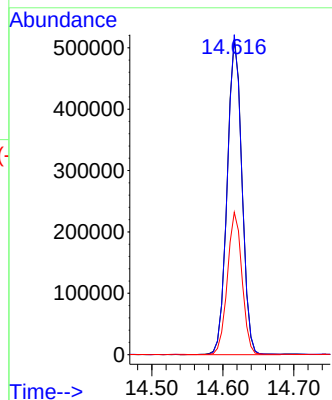
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



Tgt Ion:164 Resp: 740864
Ion Ratio Lower Upper
164 100
162 101.6 73.5 110.3
160 45.2 40.6 61.0

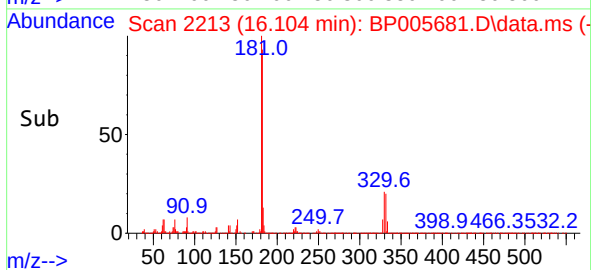
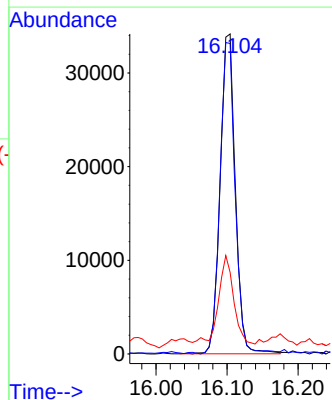
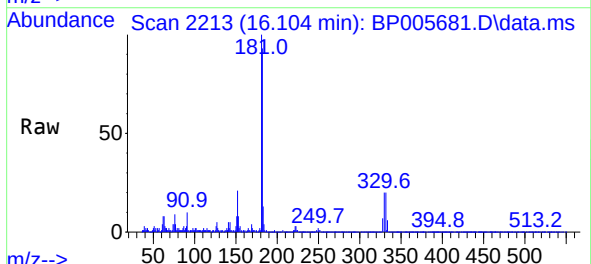
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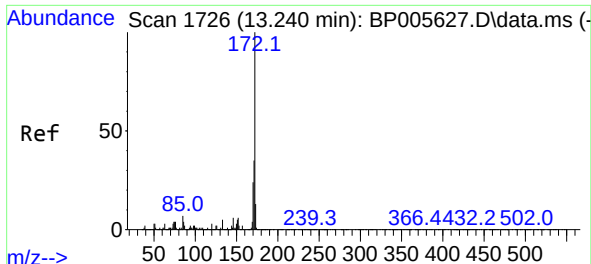
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#42
2,4,6-Tribromophenol
Concen: 5.30 ng
RT: 16.104 min Scan# 2213
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:330 Resp: 50348
Ion Ratio Lower Upper
330 100
332 98.3 76.3 114.5
141 27.5 22.8 34.2





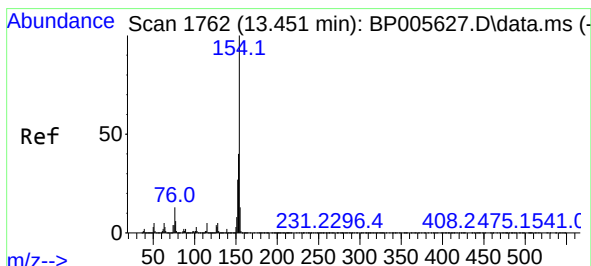
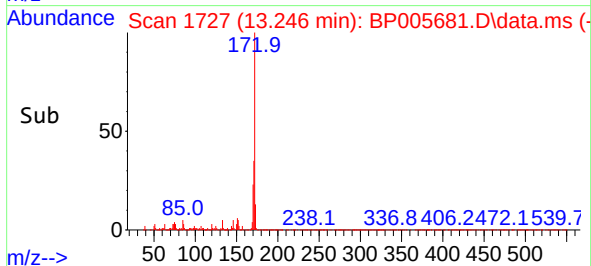
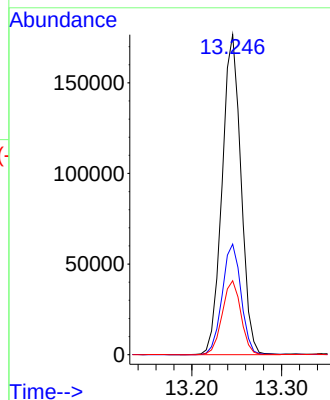
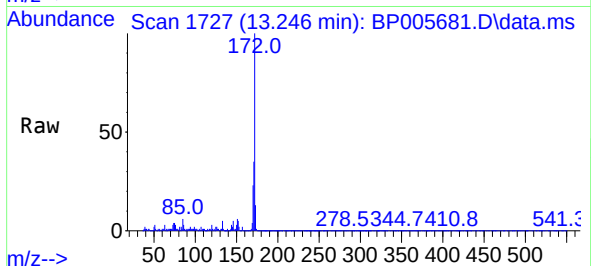
#45
2-Fluorobiphenyl
Concen: 4.59 ng
RT: 13.246 min Scan# 1727
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:	172	Resp:	257024
Ion Ratio	Lower	Upper	
172	100		
171	34.5	28.1	42.1
170	23.1	19.6	29.4

Instrument :
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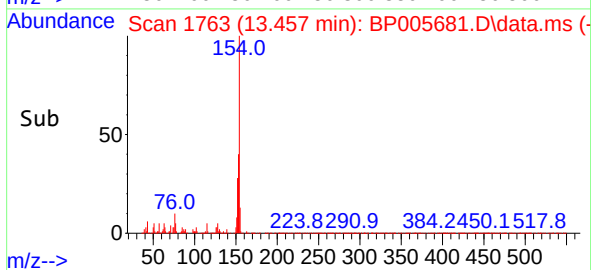
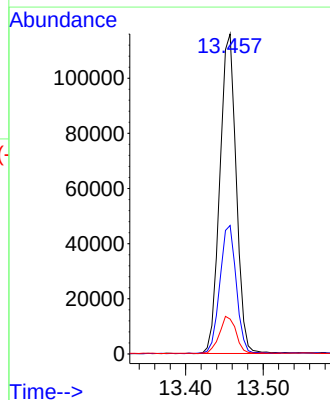
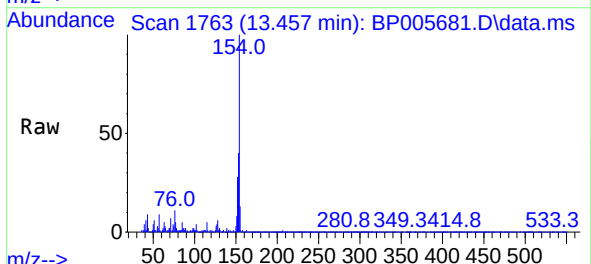
Manual Integrations
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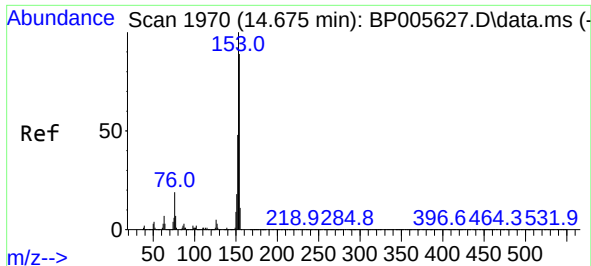
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#46
1,1'-Biphenyl
Concen: 2.83 ng
RT: 13.457 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

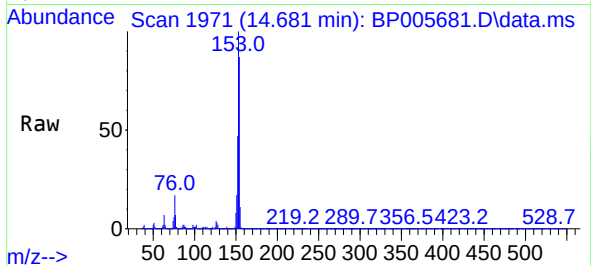
Tgt Ion:	154	Resp:	170124
Ion Ratio	Lower	Upper	
154	100		
153	40.1	18.9	58.9
76	10.9	0.0	32.1





#52
Acenaphthene
Concen: 23.27 ng
RT: 14.681 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

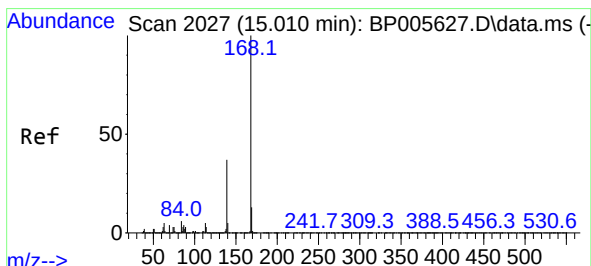
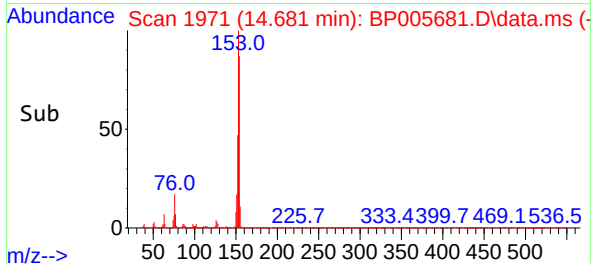
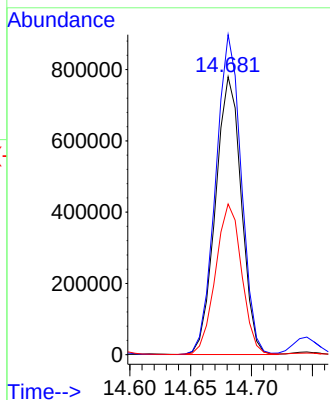
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



Tgt Ion:154 Resp: 1152910
Ion Ratio Lower Upper
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153 115.2 90.9 136.3
152 54.2 48.5 72.7

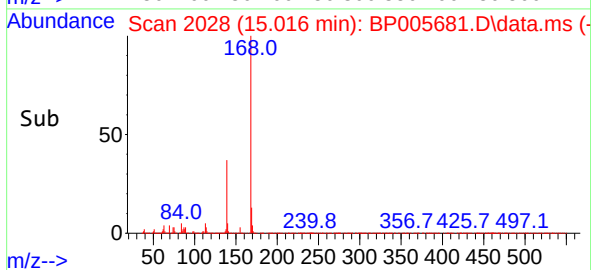
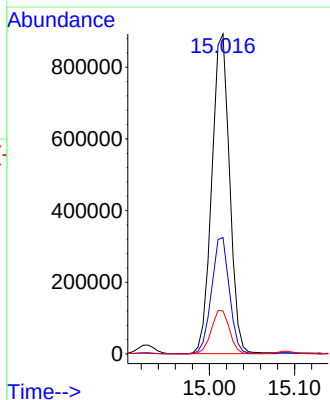
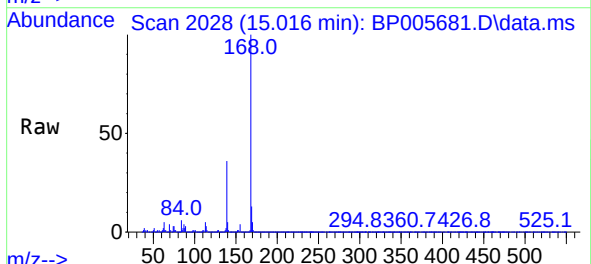
Manual Integrations
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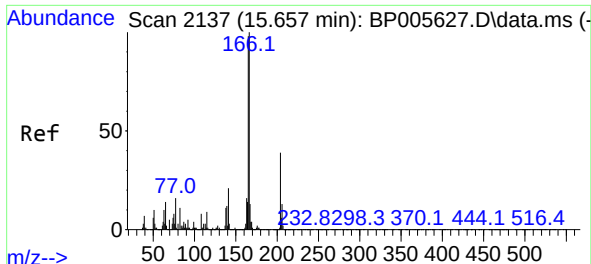
mohammad
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#55
Dibenzofuran
Concen: 17.06 ng
RT: 15.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:168 Resp: 1295762
Ion Ratio Lower Upper
168 100
139 36.4 31.4 47.0
169 13.5 11.4 17.0





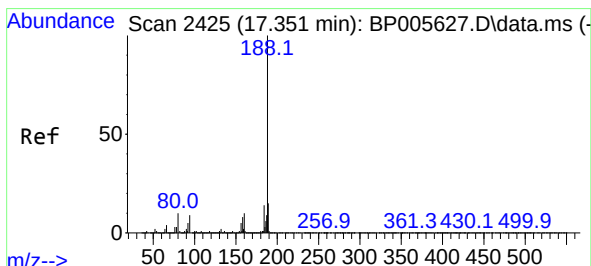
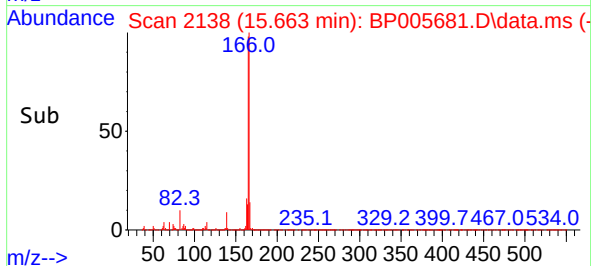
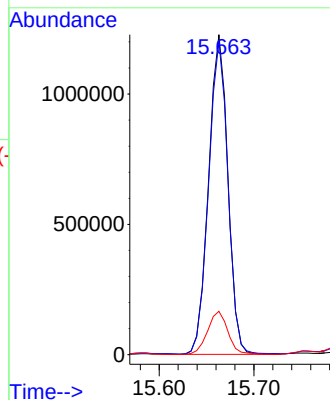
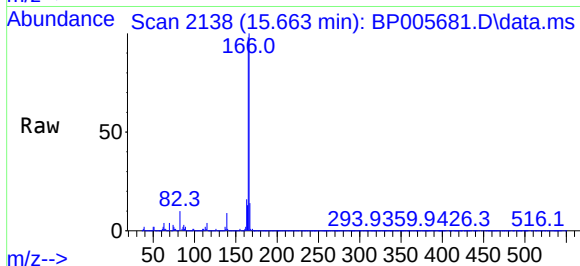
#58
Fluorene
Concen: 28.53 ng
RT: 15.663 min Scan# 2138
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:166 Resp: 1732356
Ion Ratio Lower Upper
166 100
165 98.0 78.8 118.2
167 13.6 10.9 16.3

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

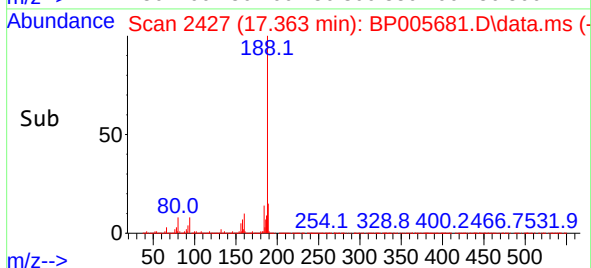
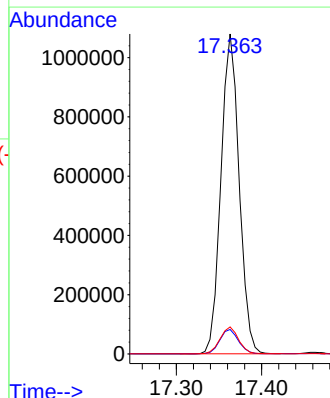
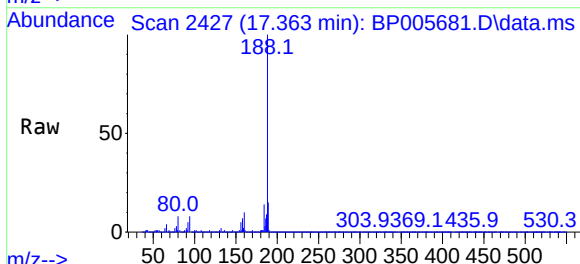
Manual Integrations
APPROVED

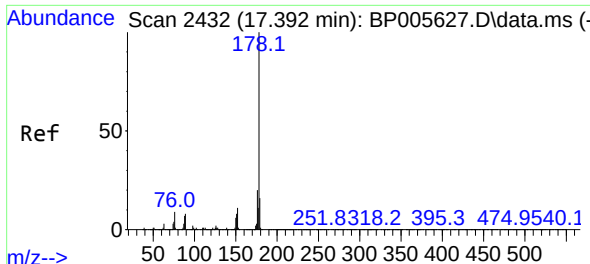
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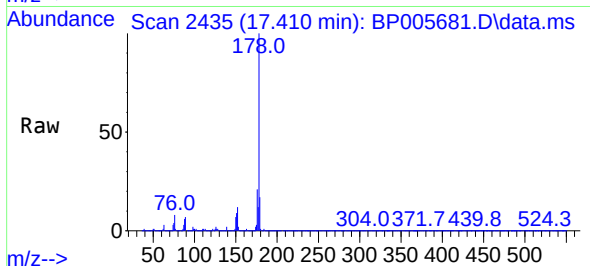
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.363 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:188 Resp: 1600268
Ion Ratio Lower Upper
188 100
94 7.6 5.0 7.6#
80 8.5 5.9 8.9

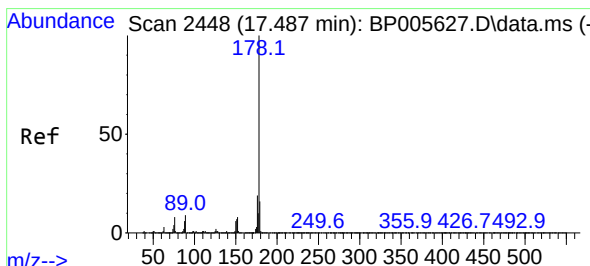
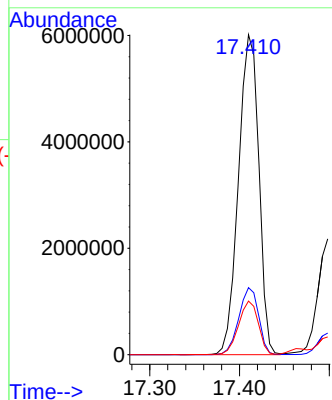
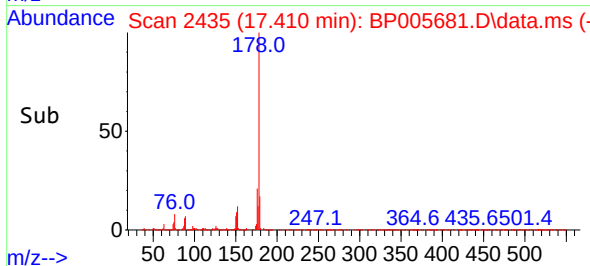




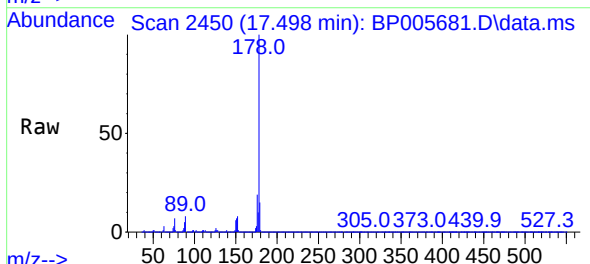
#71
Phenanthrene
Concen: 95.00 ng
RT: 17.410 min Scan# 2435
Delta R.T. 0.018 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



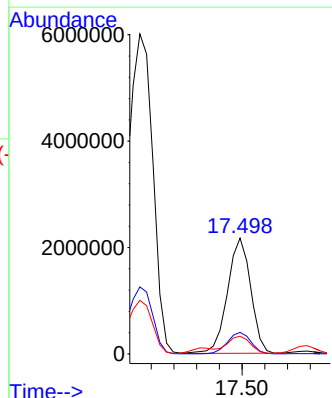
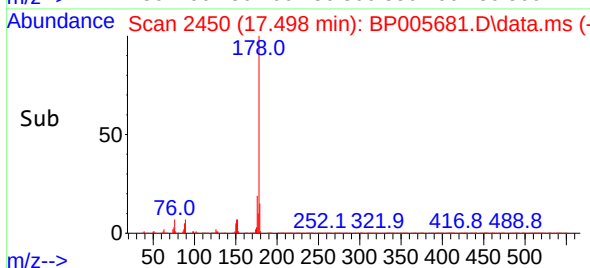
Tgt Ion:178 Resp: 9471453
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.2
179 16.7 12.3 18.5



#72
Anthracene
Concen: 31.28 ng
RT: 17.498 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



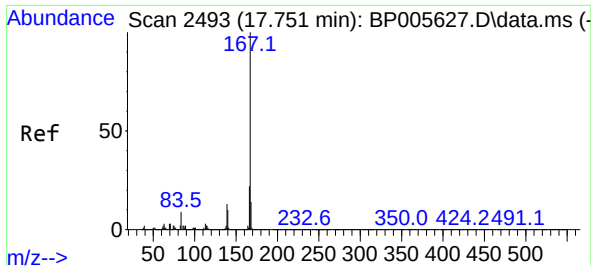
Tgt Ion:178 Resp: 3079435
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.4 12.6 19.0



Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

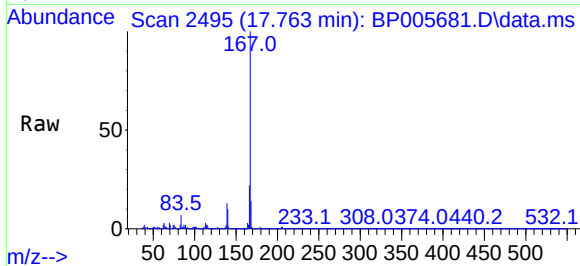
Manual Integrations
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#73
Carbazole
Concen: 21.04 ng
RT: 17.763 min Scan# 2495
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

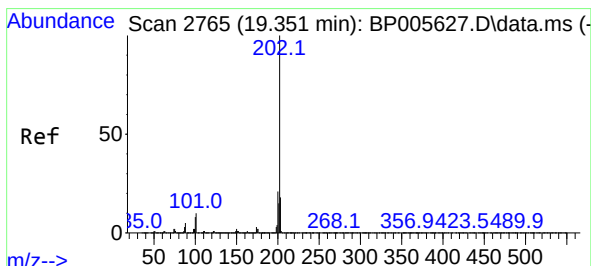
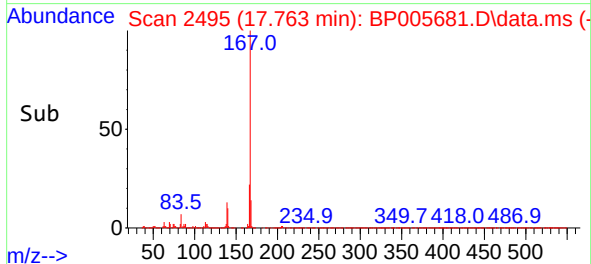
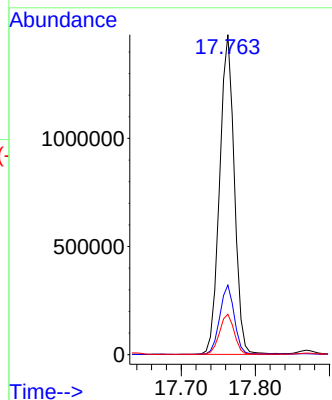
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



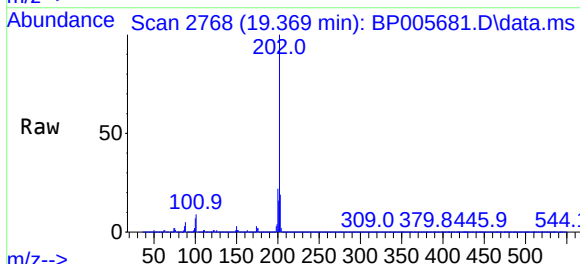
Tgt Ion:167 Resp: 2038253
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 12.6 10.4 15.6

Manual Integrations
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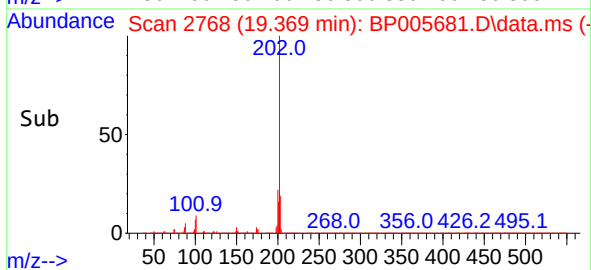
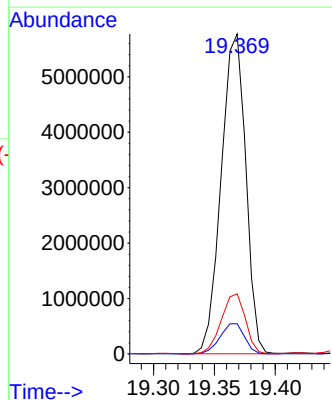
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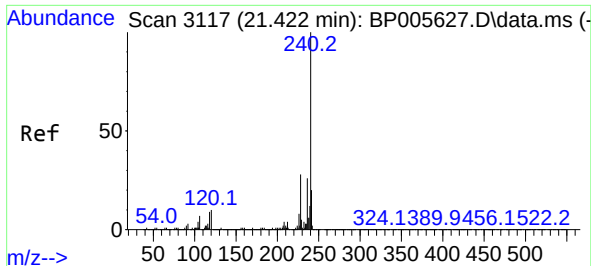


#75
Fluoranthene
Concen: 67.66 ng
RT: 19.369 min Scan# 2768
Delta R.T. 0.018 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



Tgt Ion:202 Resp: 8096787
Ion Ratio Lower Upper
202 100
101 9.5 0.0 26.1
203 18.8 0.0 37.2





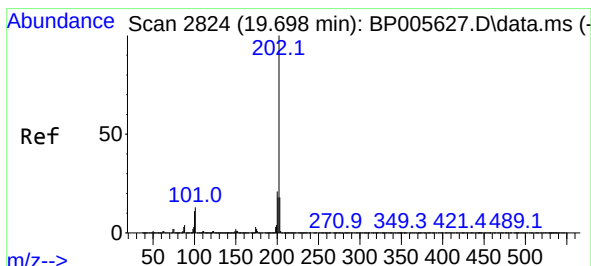
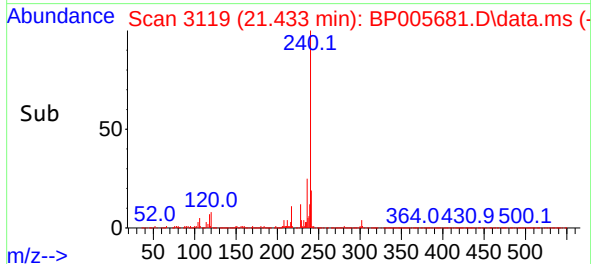
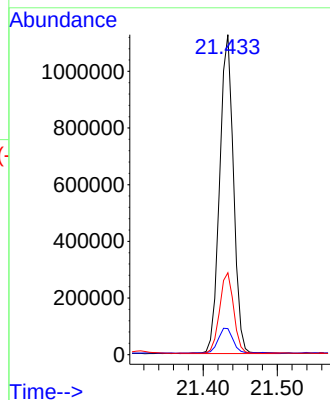
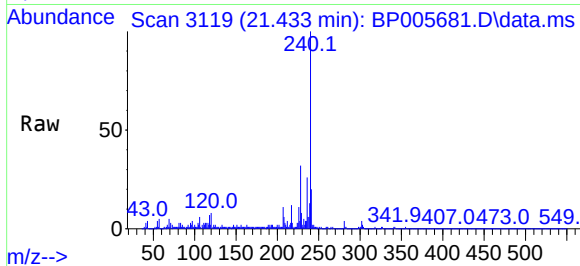
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.011 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:240 Resp: 1460968
Ion Ratio Lower Upper
240 100
120 8.1 4.2 6.2#
236 25.6 20.2 30.2

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

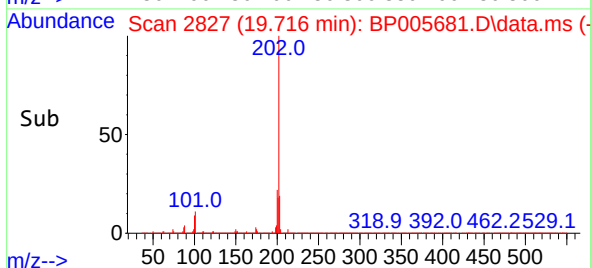
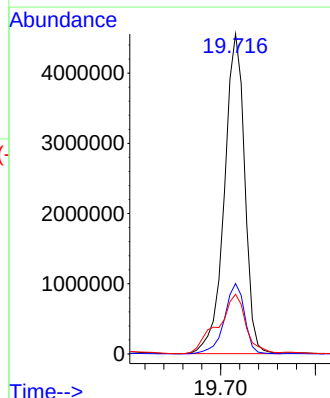
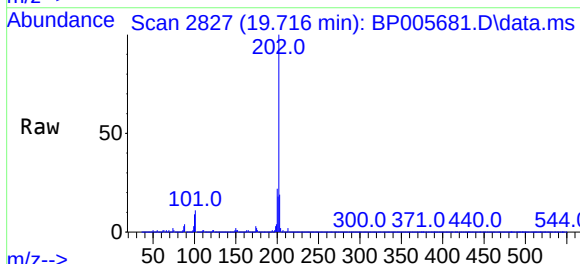
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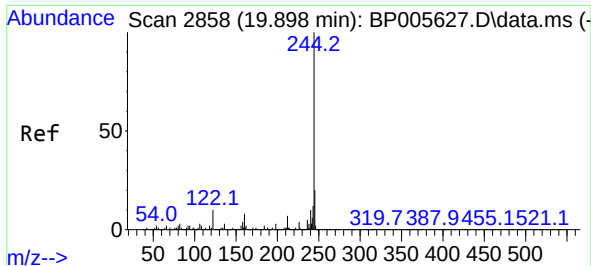
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#78
Pyrene
Concen: 65.59 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.017 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:202 Resp: 6761285
Ion Ratio Lower Upper
202 100
200 22.0 16.9 25.3
203 18.7 13.8 20.6





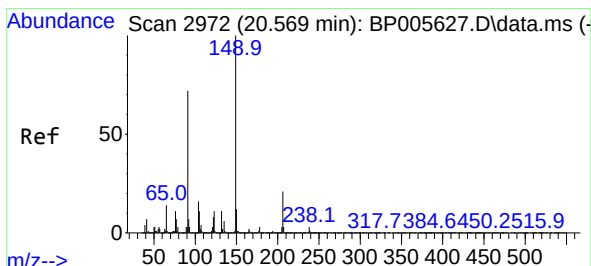
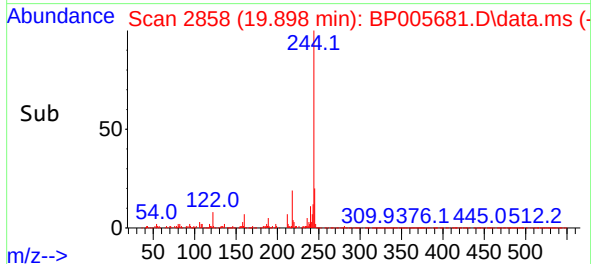
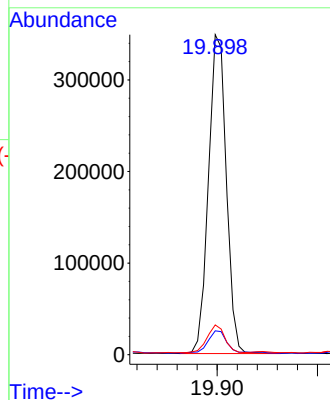
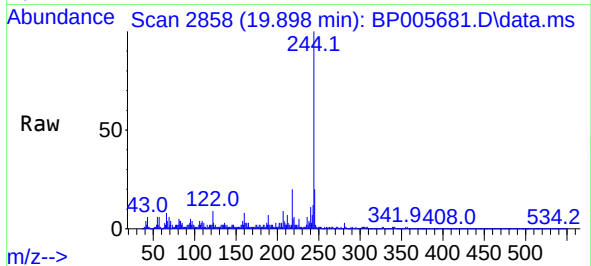
#79
Terphenyl-d14
Concen: 5.54 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:244 Resp: 431000
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.3 5.2 7.8#

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

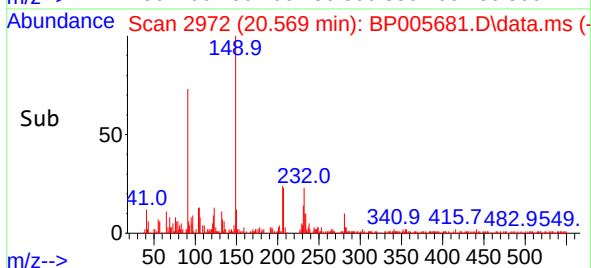
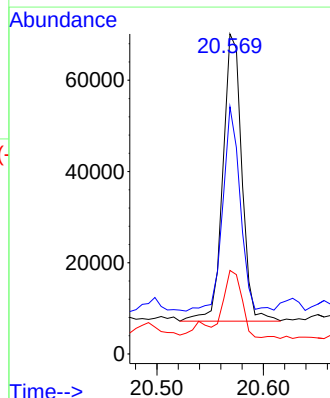
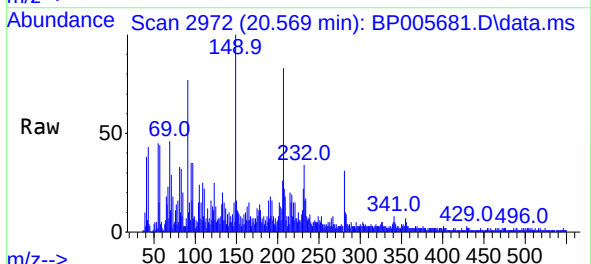
Manual Integrations
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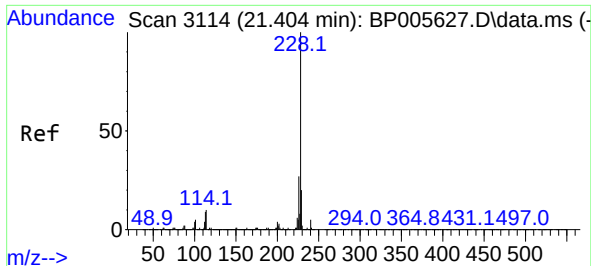
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#80
Butylbenzylphthalate
Concen: 5.84 ng
RT: 20.569 min Scan# 2972
Delta R.T. -0.000 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

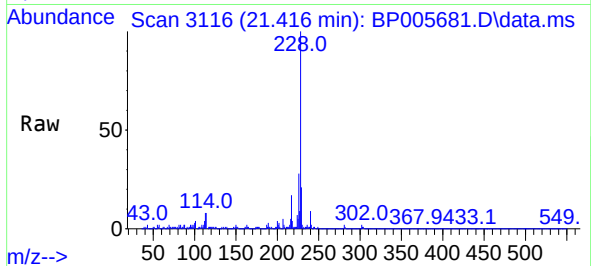
Tgt Ion:149 Resp: 77984
Ion Ratio Lower Upper
149 100
91 77.3 60.2 90.4
206 26.1 23.9 35.9





#81
Benzo(a)anthracene
Concen: 29.37 ng
RT: 21.416 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

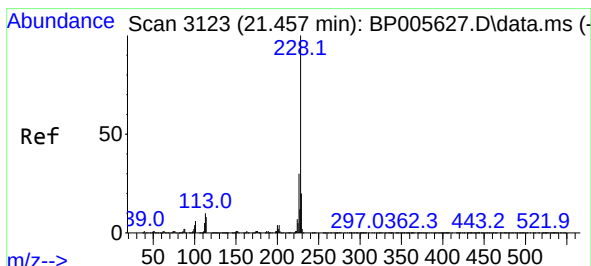
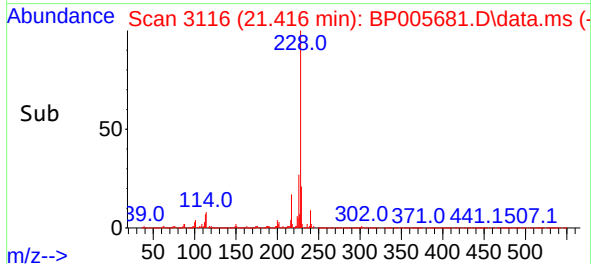
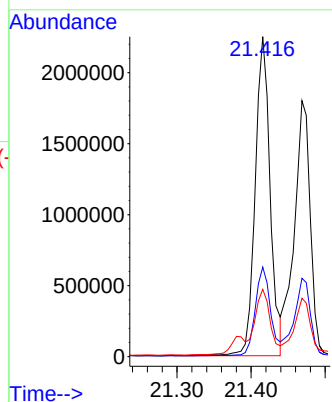
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



Tgt Ion:228 Resp: 3148993
Ion Ratio Lower Upper
228 100
226 28.0 21.2 31.8
229 21.1 15.6 23.4

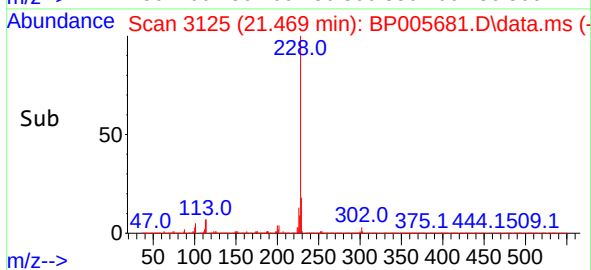
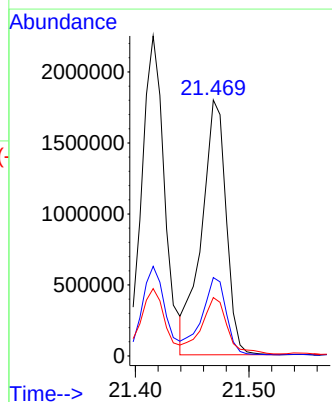
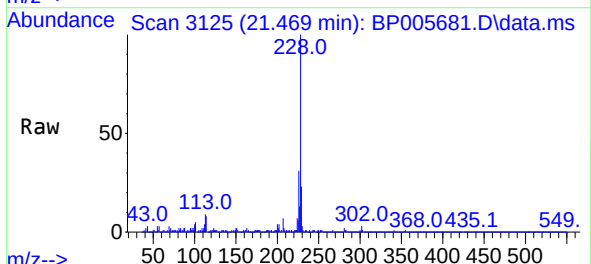
Manual Integrations
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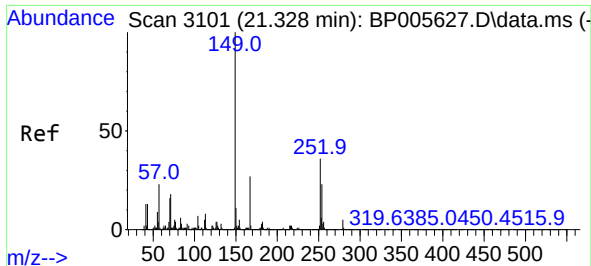
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#83
Chrysene
Concen: 25.98 ng
RT: 21.469 min Scan# 3125
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:228 Resp: 2697464
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 22.8 15.4 23.0





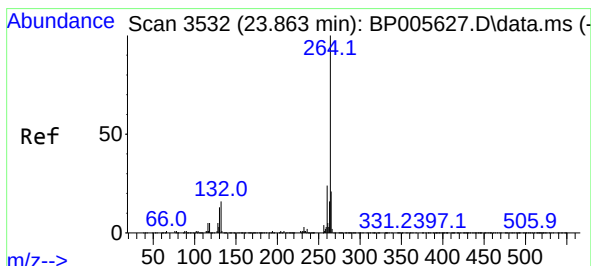
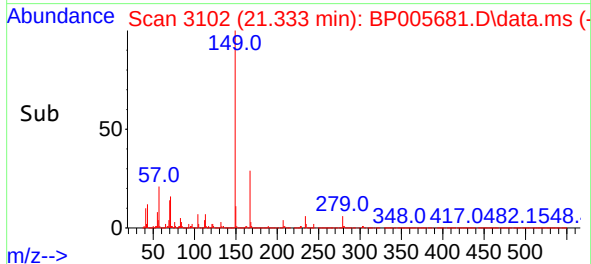
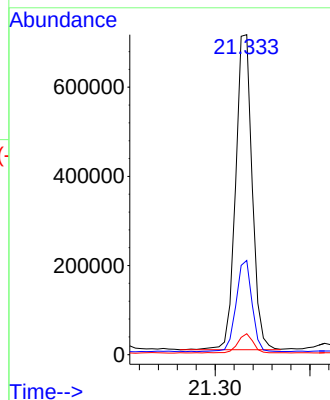
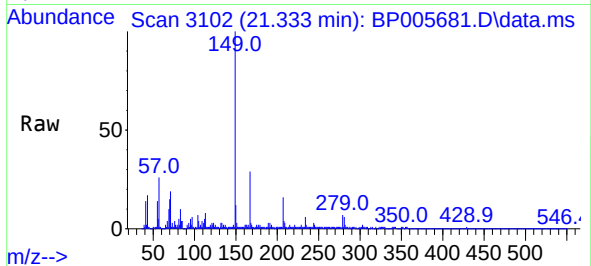
#84
Bis(2-ethylhexyl)phthalate
Concen: 14.68 ng
RT: 21.333 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:149 Resp: 854639
Ion Ratio Lower Upper
149 100
167 29.5 23.8 35.8
279 6.6 5.7 8.5

Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)

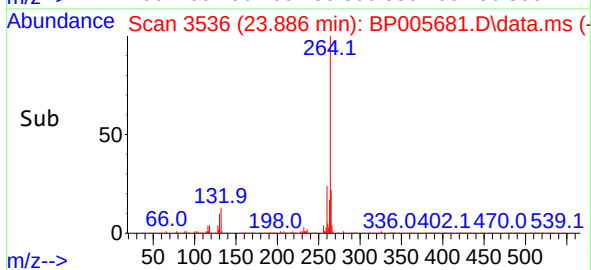
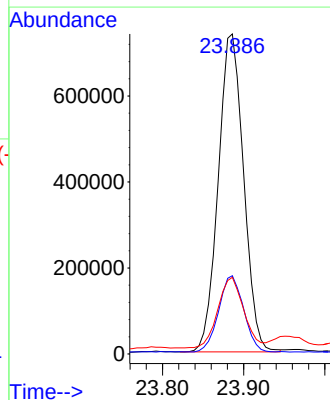
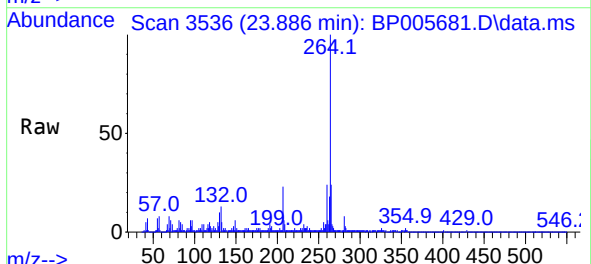
Manual Integrations
APPROVED

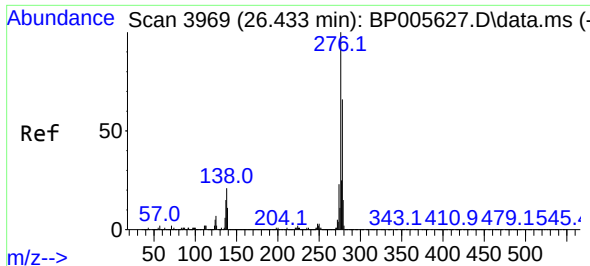
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.886 min Scan# 3536
Delta R.T. 0.023 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

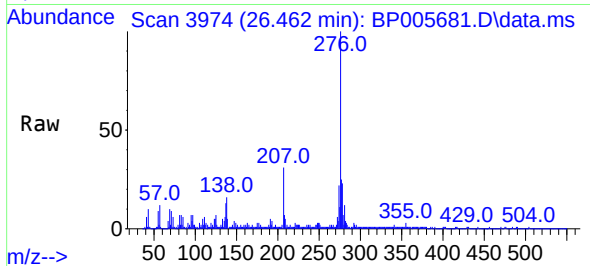
Tgt Ion:264 Resp: 1607007
Ion Ratio Lower Upper
264 100
260 24.5 20.6 30.8
265 24.0 19.0 28.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.22 ng
RT: 26.462 min Scan# 3974
Delta R.T. 0.029 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

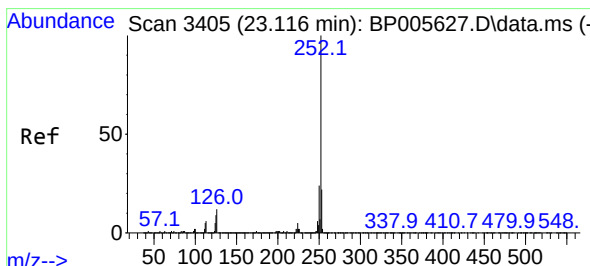
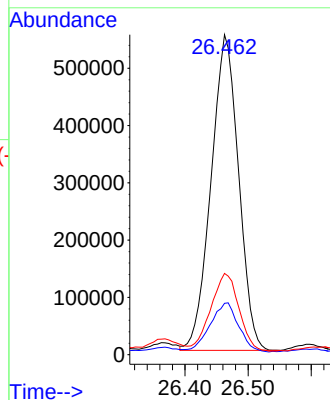
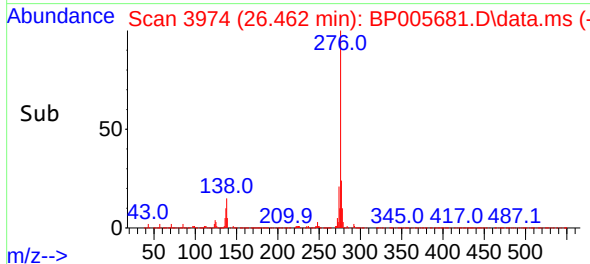
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



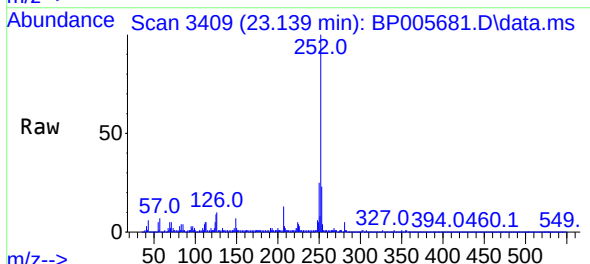
Tgt Ion:276 Resp: 1670572
Ion Ratio Lower Upper
276 100
138 16.1 8.4 12.6#
277 25.0 20.6 31.0

Manual Integrations
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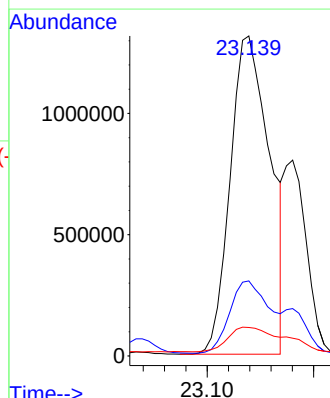
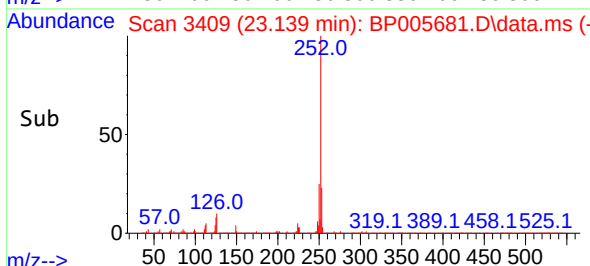
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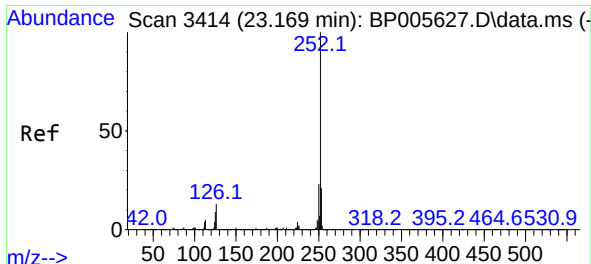


#88
Benzo(b)fluoranthene
Concen: 29.15 ng
RT: 23.139 min Scan# 3409
Delta R.T. 0.023 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



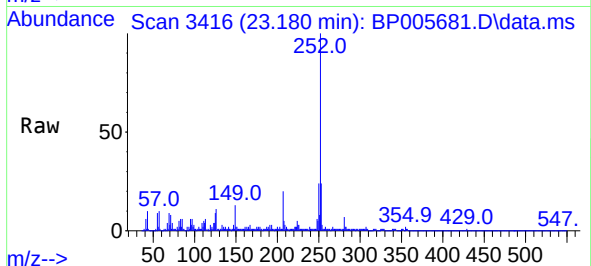
Tgt Ion:252 Resp: 3399072
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 8.9 3.4 5.0#





#89
Benzo(k)fluoranthene
Concen: 10.35 ng m
RT: 23.180 min Scan# 3416
Delta R.T. 0.012 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

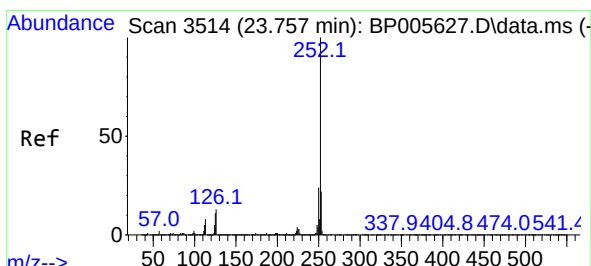
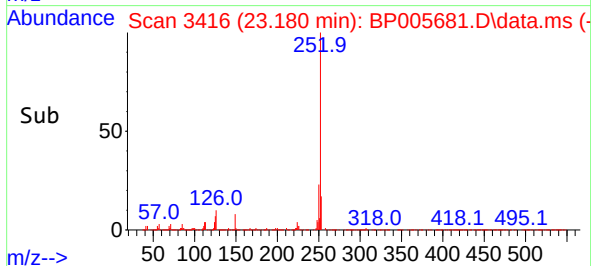
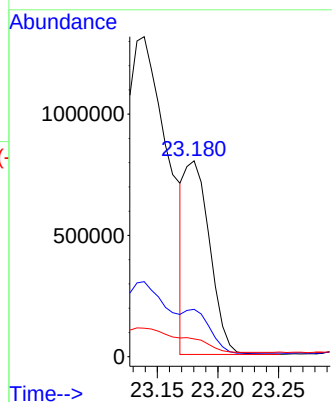
Instrument :
BNA_P
ClientSampleId :
18-B5(0-2)



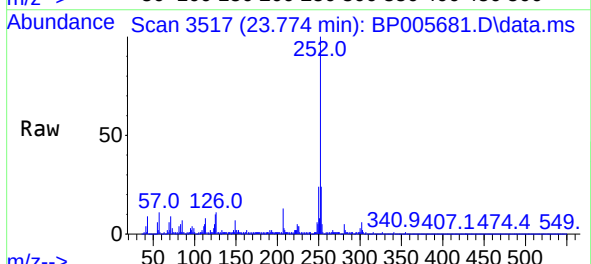
Tgt Ion:252 Resp: 1143224
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 9.0 3.8 5.6#

Manual Integrations
APPROVED

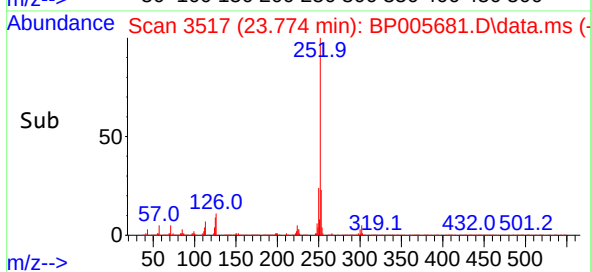
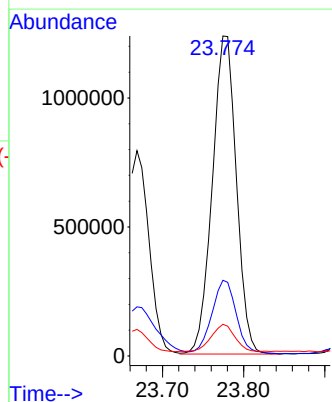
mohammad
6/3/2021 11:08:44 AM

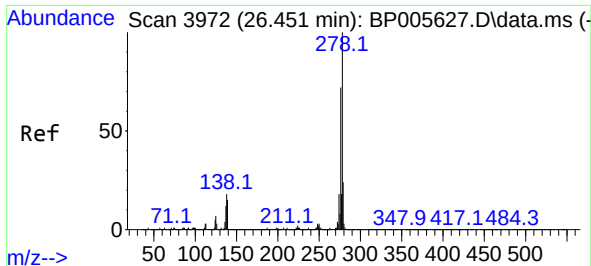


#90
Benzo(a)pyrene
Concen: 23.93 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.018 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02



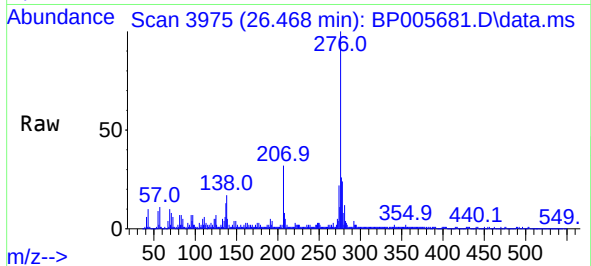
Tgt Ion:252 Resp: 2538566
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 9.9 3.8 5.6#





#91
Dibenzo(a,h)anthracene
Concen: 3.90 ng
RT: 26.468 min Scan# 3975
Delta R.T. 0.017 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

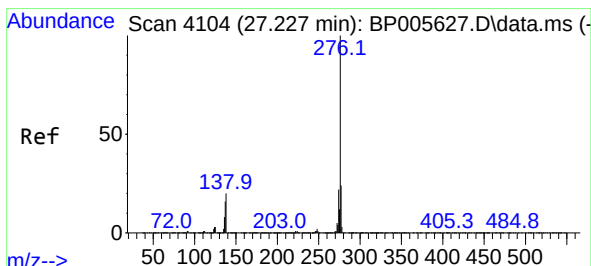
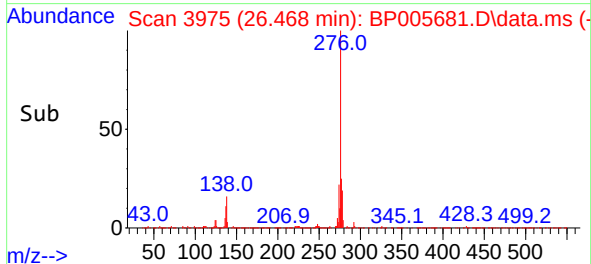
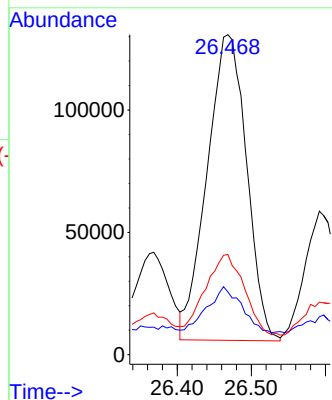
Instrument :
BNA_P
ClientSampled :
18-B5(0-2)



Tgt Ion:278 Resp: 462396
Ion Ratio Lower Upper
278 100
139 19.6 5.0 7.6#
279 31.3 18.6 28.0#

Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:44 AM



#92
Benzo(g,h,i)perylene
Concen: 13.95 ng
RT: 27.262 min Scan# 4110
Delta R.T. 0.035 min
Lab File: BP005681.D
Acq: 03 Jun 2021 00:02

Tgt Ion:276 Resp: 1596336
Ion Ratio Lower Upper
276 100
277 25.4 19.8 29.8
138 16.6 7.7 11.5#

