

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005680.D
 Acq On : 02 Jun 2021 23:28
 Operator : CG/JU
 Sample : M2580-17 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B6(6-12)

Manual Integrations
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 6/3/2021 11:08:42 AM

Quant Time: Jun 03 02:45:11 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	284367	20.00	ng	0.00
21) Naphthalene-d8	10.804	136	1120662	20.00	ng	# 0.00
39) Acenaphthene-d10	14.616	164	687506	20.00	ng	0.00
64) Phenanthrene-d10	17.363	188	1311478	20.00	ng	# 0.01
76) Chrysene-d12	21.433	240	1092054	20.00	ng	# 0.01
86) Perylene-d12	23.886	264	1221599	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	131226	7.17	ng	0.00
7) Phenol-d6	7.152	99	175204	7.03	ng	0.00
23) Nitrobenzene-d5	9.157	82	112804	5.60	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	78362	8.89	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	285649	5.50	ng	0.00
79) Terphenyl-d14	19.898	244	359055	6.17	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.851	128	985051	14.76	ng	97
37) 2-Methylnaphthalene	12.457	142	284173	6.01	ng	# 85
38) 1-Methylnaphthalene	12.669	142	165056	3.68	ng	# 96
52) Acenaphthene	14.681	154	595273	12.95	ng	96
55) Dibenzofuran	15.010	168	599066	8.50	ng	97
58) Fluorene	15.663	166	736414	13.07	ng	99
71) Phenanthrene	17.410	178	5685547	69.59	ng	98
72) Anthracene	17.492	178	1593316	19.75	ng	100
73) Carbazole	17.757	167	926498	11.67	ng	100
74) Di-n-butylphthalate	18.304	149	344408	4.05	ng	# 92
75) Fluoranthene	19.363	202	6075888	61.95	ng	94
78) Pyrene	19.716	202	4917932	63.82	ng	98
80) Butylbenzylphthalate	20.569	149	287137	12.55	ng	# 94
81) Benzo(a)anthracene	21.416	228	2634404	32.87	ng	96
83) Chrysene	21.469	228	2260729	29.13	ng	96
84) Bis(2-ethylhexyl)phtha...	21.327	149	505740	11.62	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.462	276	1358244	13.07	ng	# 93
88) Benzo(b)fluoranthene	23.139	252	2920528	32.95	ng	# 96
89) Benzo(k)fluoranthene	23.180	252	945204m	11.25	ng	
90) Benzo(a)pyrene	23.774	252	2109316	26.16	ng	# 92
91) Dibenzo(a,h)anthracene	26.468	278	388590	4.31	ng	# 82
92) Benzo(g,h,i)perylene	27.256	276	1231697	14.16	ng	# 94

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

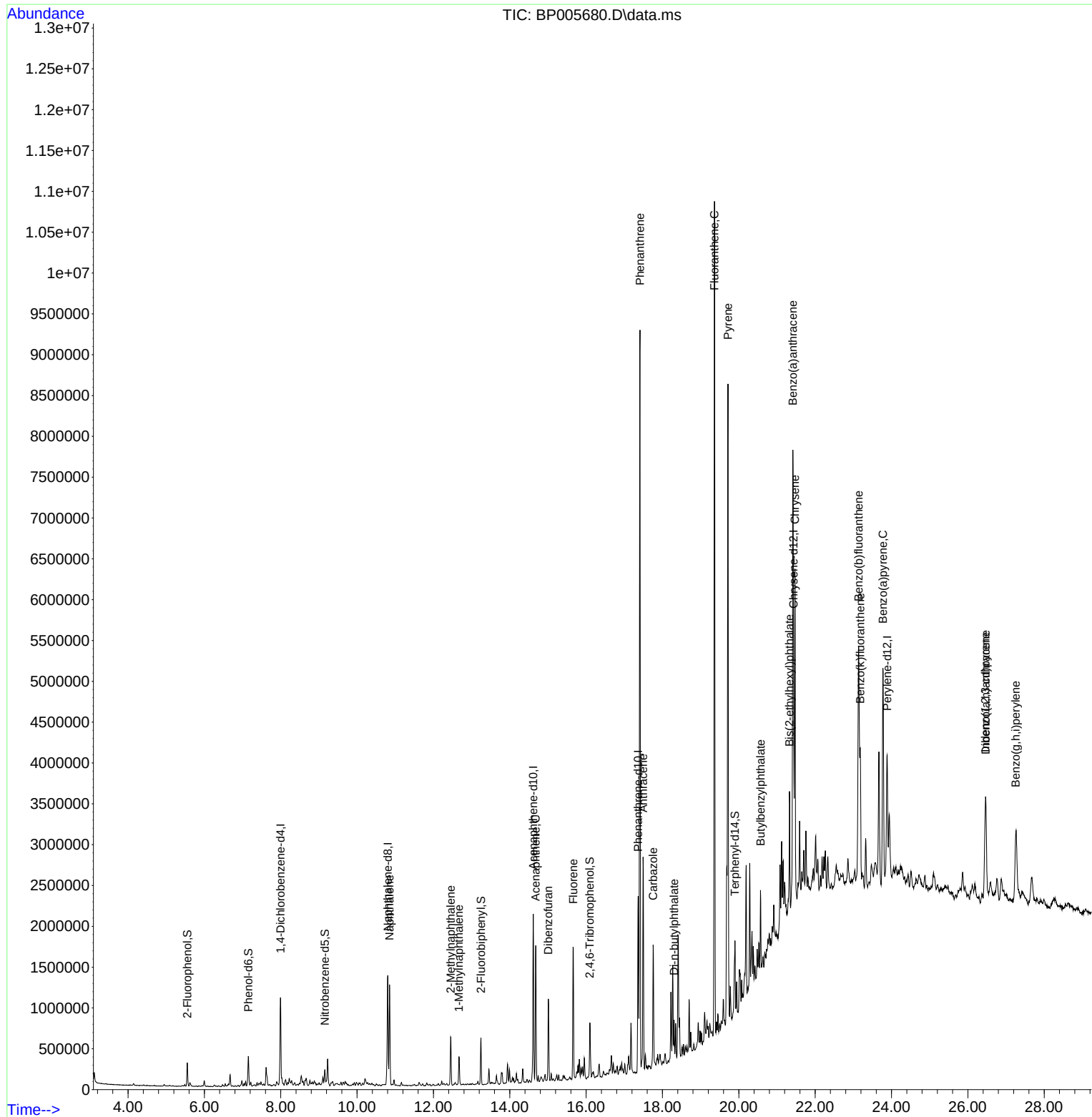
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005680.D
 Acq On : 02 Jun 2021 23:28
 Operator : CG/JU
 Sample : M2580-17 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

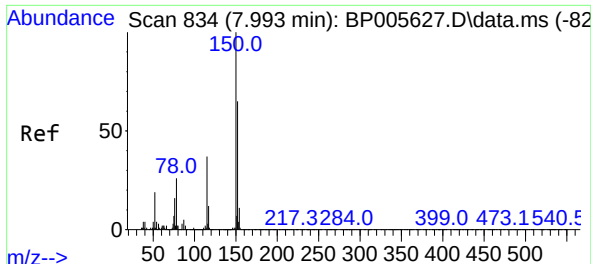
Instrument :
 BNA_P
 ClientSampleId :
 18-B6(6-12)

Manual Integrations
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Quant Time: Jun 03 02:45:11 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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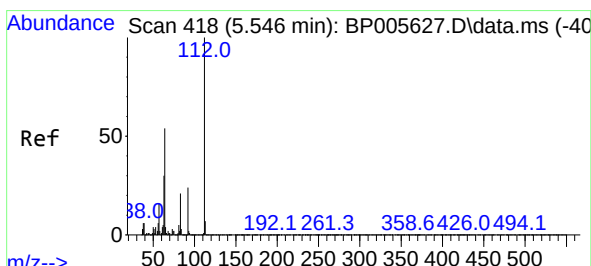
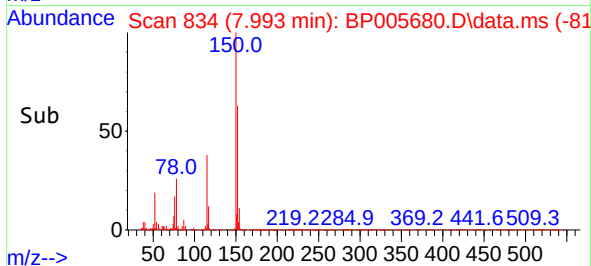
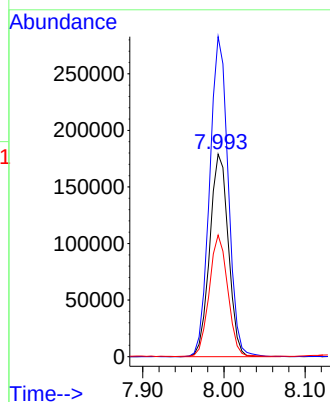
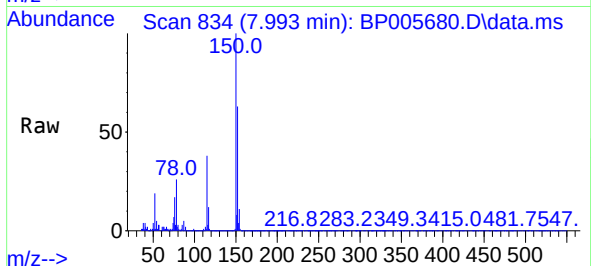
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:152 Resp: 284367
Ion Ratio Lower Upper
152 100
150 158.0 119.8 179.8
115 60.1 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)

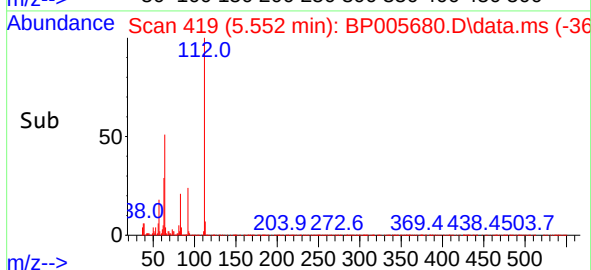
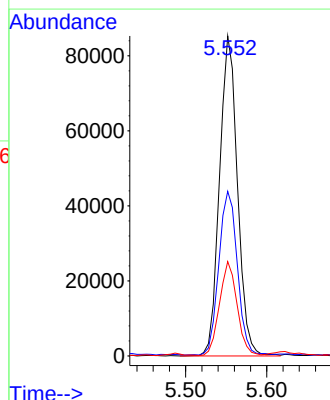
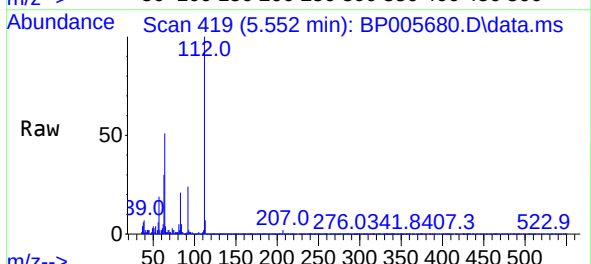
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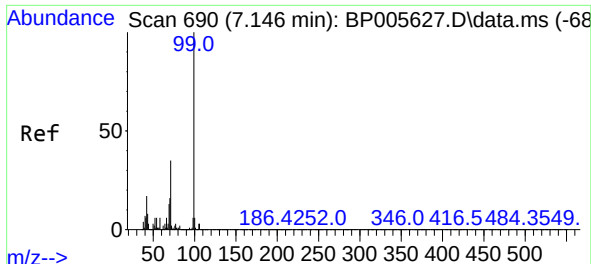
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#5
2-Fluorophenol
Concen: 7.17 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:112 Resp: 131226
Ion Ratio Lower Upper
112 100
64 51.4 33.6 50.4#
63 29.5 18.6 27.8#





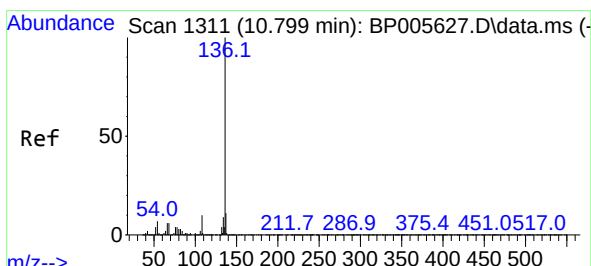
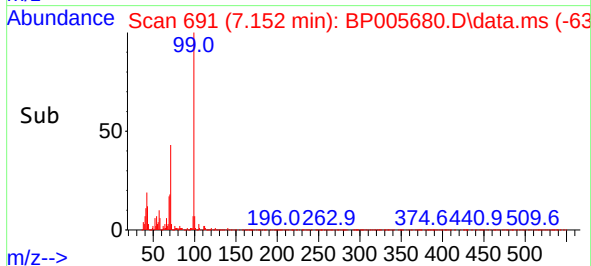
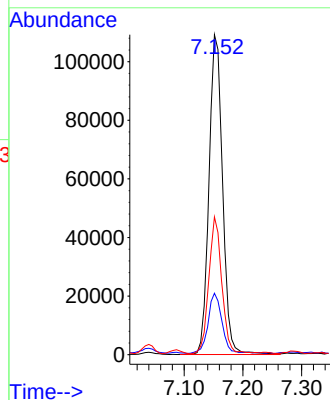
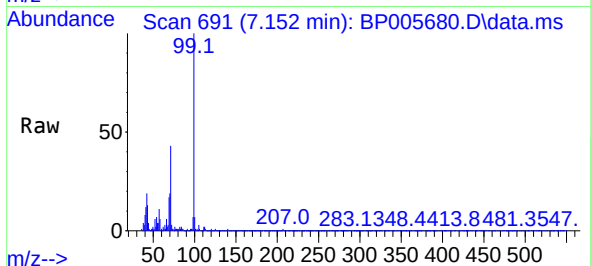
#7
Phenol-d6
Concen: 7.03 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:	99	Resp:	175204
Ion	Ratio	Lower	Upper
99	100		
42	19.2	12.9	19.3
71	43.0	26.7	40.1#

Instrument :
BNA_P
ClientSampleId :
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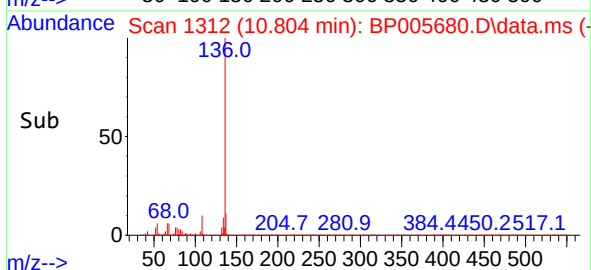
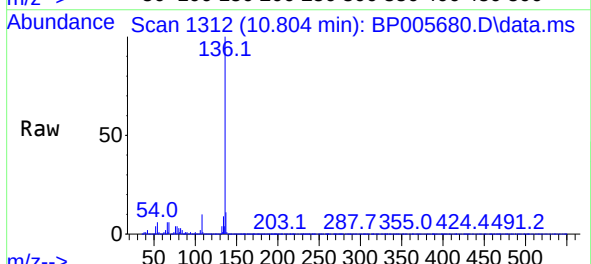
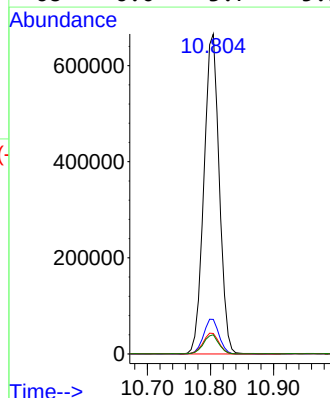
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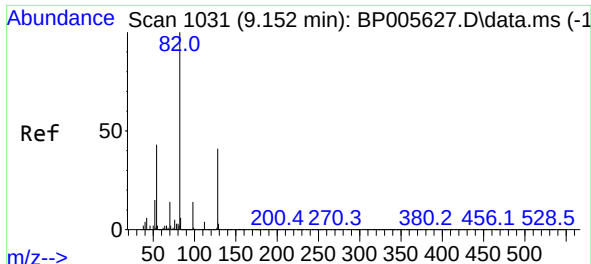
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.804 min Scan# 1312
Delta R.T. 0.005 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:	136	Resp:	1120662
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.4	5.0	7.4
68	6.0	3.7	5.5#





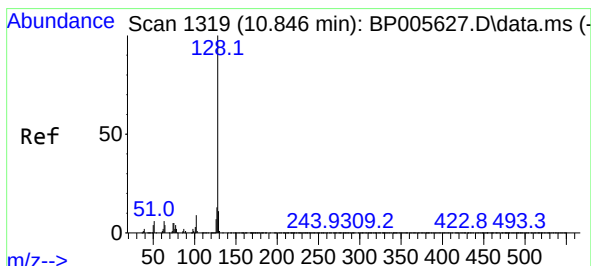
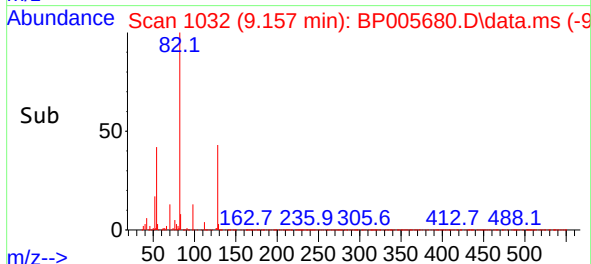
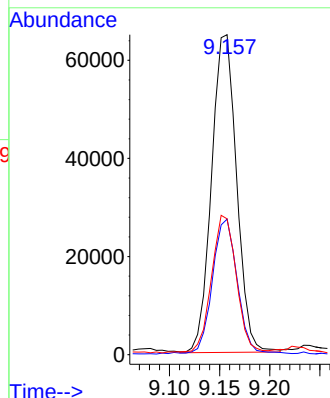
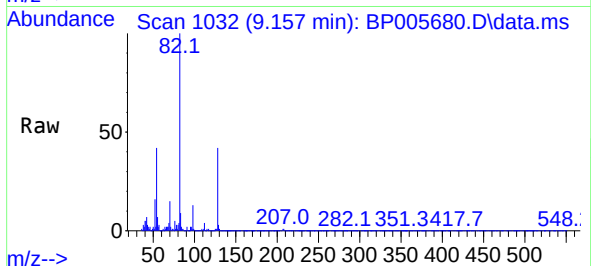
#23
Nitrobenzene-d5
Concen: 5.60 ng
RT: 9.157 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion: 82 Resp: 112804
Ion Ratio Lower Upper
82 100
128 42.4 30.5 45.7
54 42.5 33.9 50.9

Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)

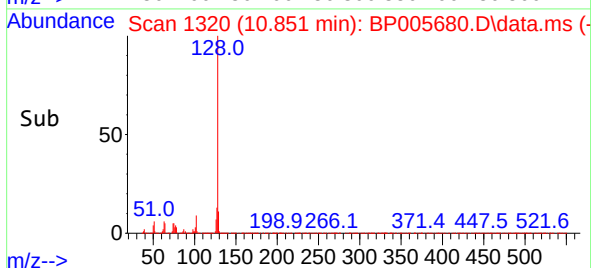
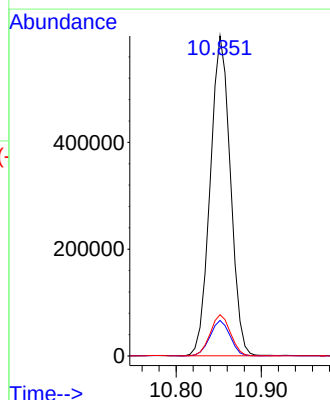
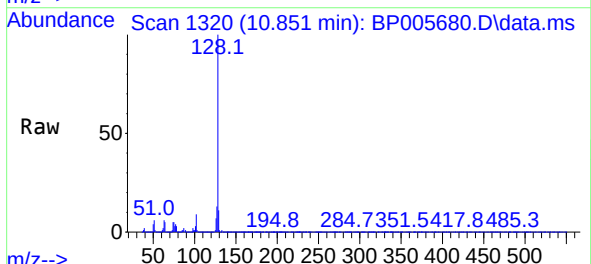
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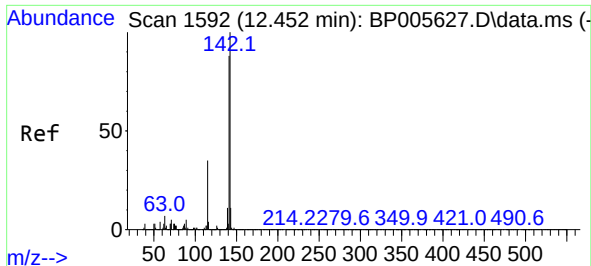
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#31
Naphthalene
Concen: 14.76 ng
RT: 10.851 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

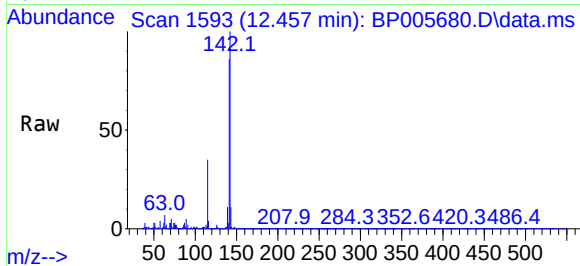
Tgt Ion: 128 Resp: 985051
Ion Ratio Lower Upper
128 100
129 11.1 8.0 12.0
127 12.9 11.1 16.7





#37
2-Methylnaphthalene
Concen: 6.01 ng
RT: 12.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

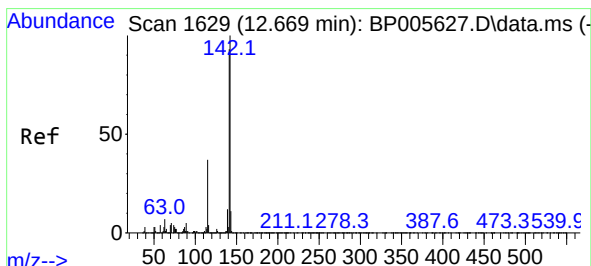
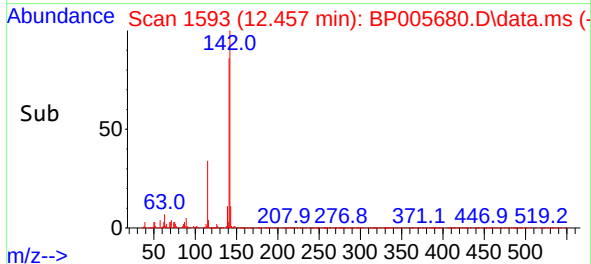
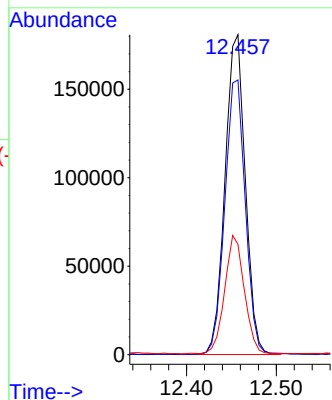
Instrument :
BNA_P
ClientSampled :
18-B6(6-12)



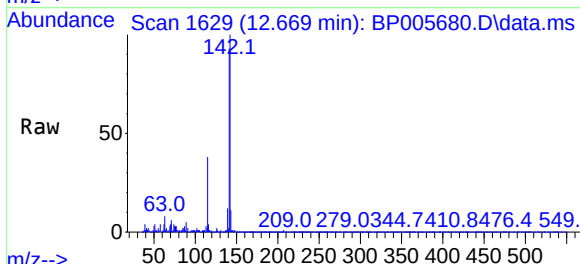
Tgt Ion:142 Resp: 284173
Ion Ratio Lower Upper
142 100
141 85.8 74.7 112.1
115 34.5 43.8 65.8#

Manual Integrations
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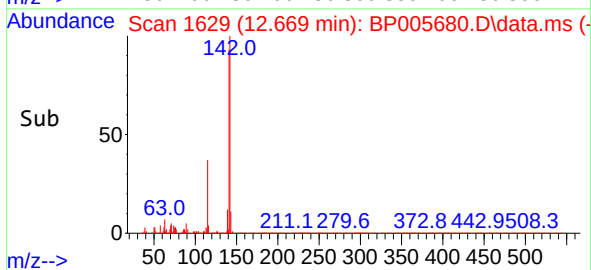
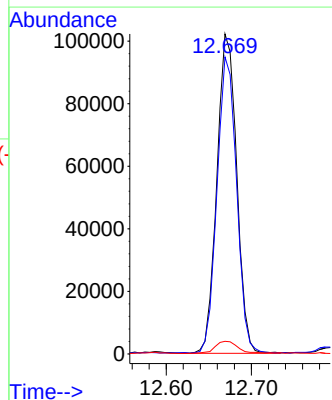
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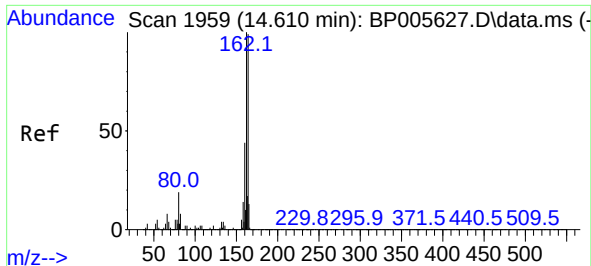


#38
1-Methylnaphthalene
Concen: 3.68 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28



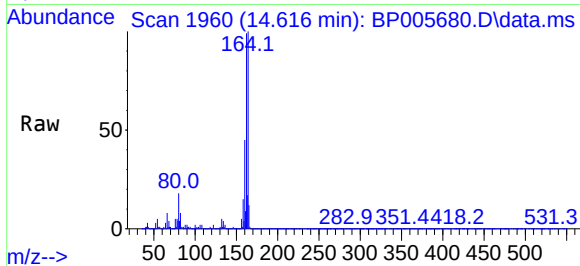
Tgt Ion:142 Resp: 165056
Ion Ratio Lower Upper
142 100
141 92.8 77.0 115.6
116 3.9 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

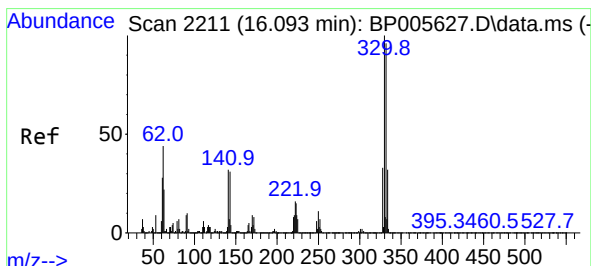
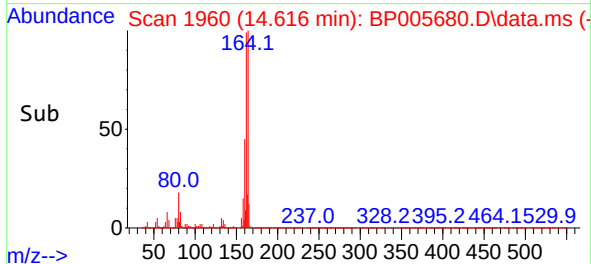
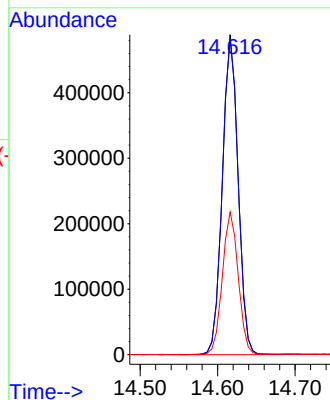
Instrument :
BNA_P
ClientSampled :
18-B6(6-12)



Tgt Ion:164 Resp: 687506
Ion Ratio Lower Upper
164 100
162 98.6 73.5 110.3
160 44.6 40.6 61.0

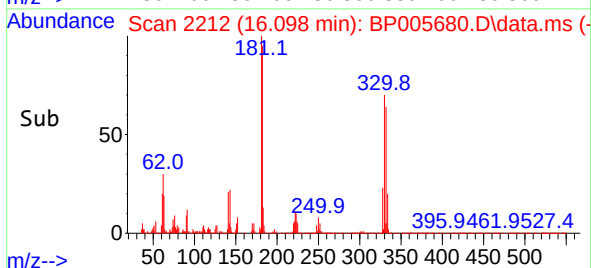
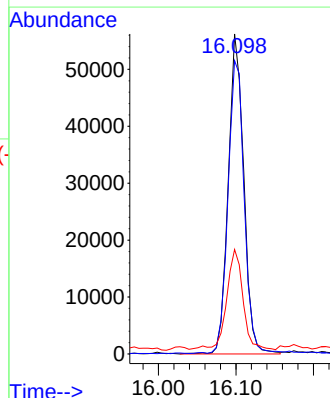
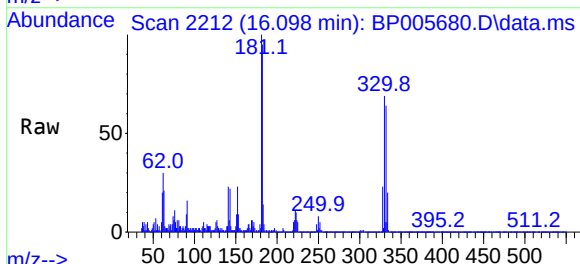
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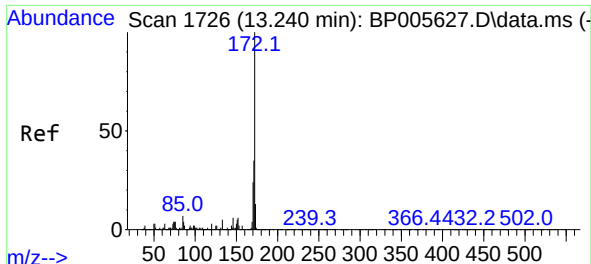
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#42
2,4,6-Tribromophenol
Concen: 8.89 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

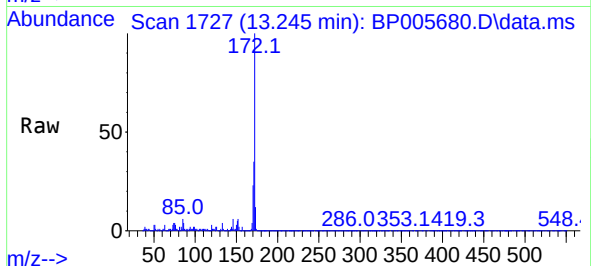
Tgt Ion:330 Resp: 78362
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 32.7 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 5.50 ng
RT: 13.245 min Scan# 1727
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

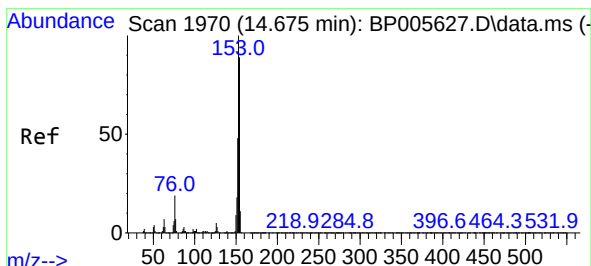
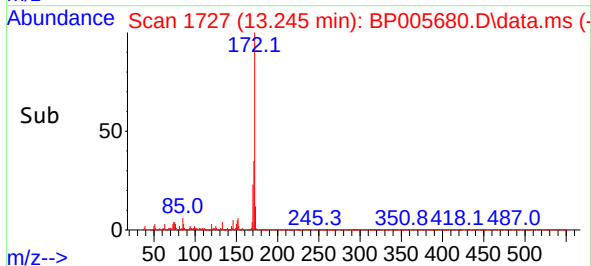
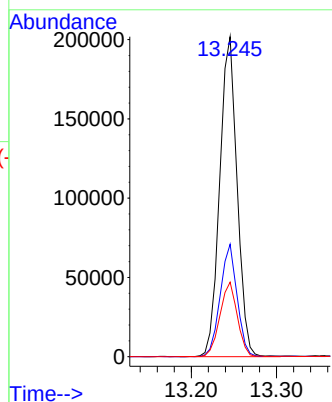
Instrument :
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Tgt Ion:172 Resp: 285649
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 19.6 29.4

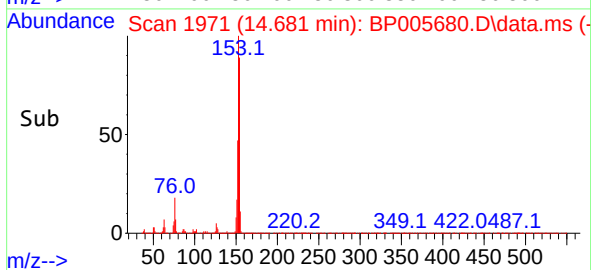
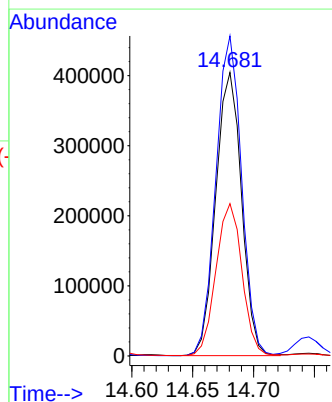
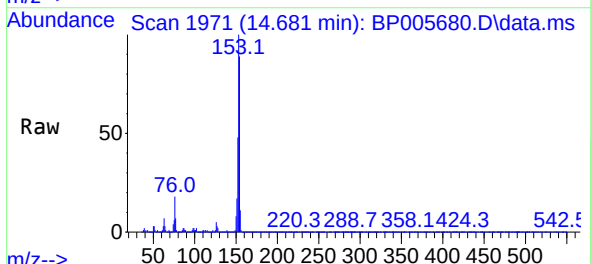
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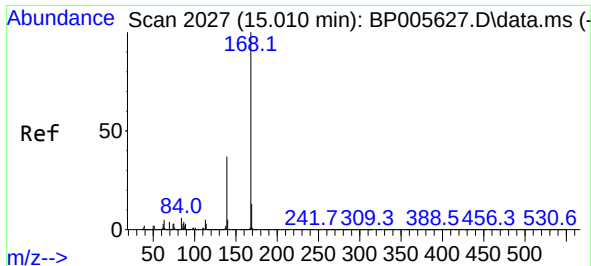
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#52
Acenaphthene
Concen: 12.95 ng
RT: 14.681 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

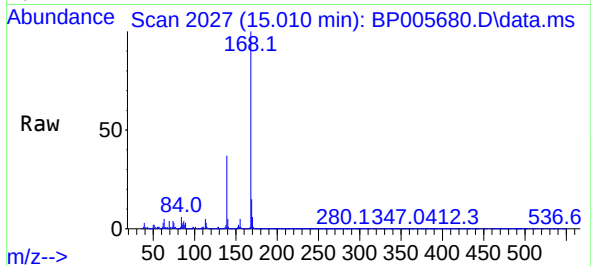
Tgt Ion:154 Resp: 595273
Ion Ratio Lower Upper
154 100
153 112.8 90.9 136.3
152 53.7 48.5 72.7





#55
Dibenzenofuran
Concen: 8.50 ng
RT: 15.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

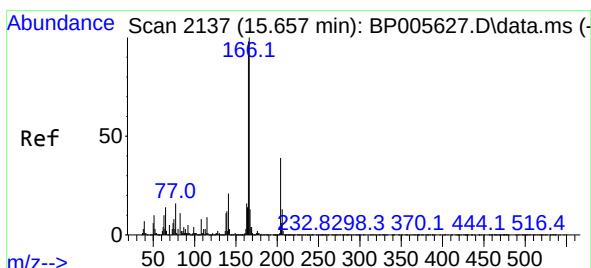
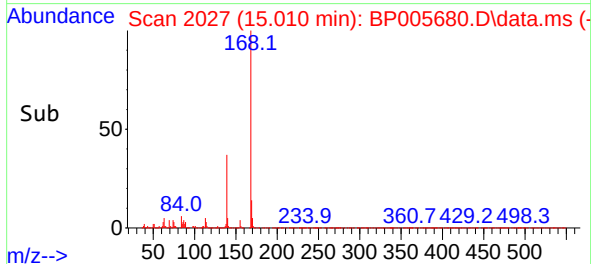
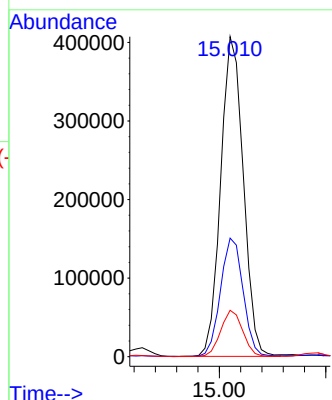
Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)



Tgt Ion:168 Resp: 599066
Ion Ratio Lower Upper
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169 14.5 11.4 17.0

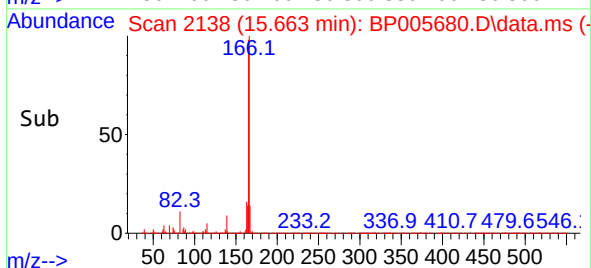
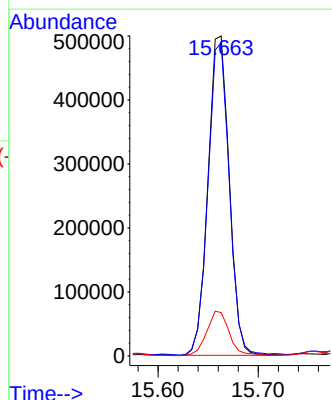
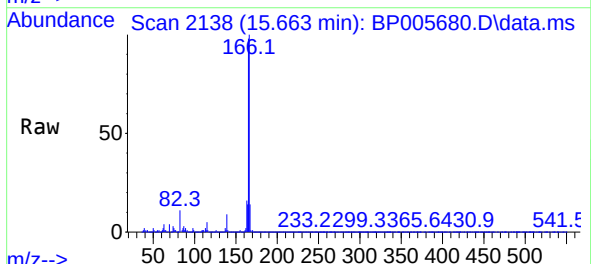
Manual Integrations
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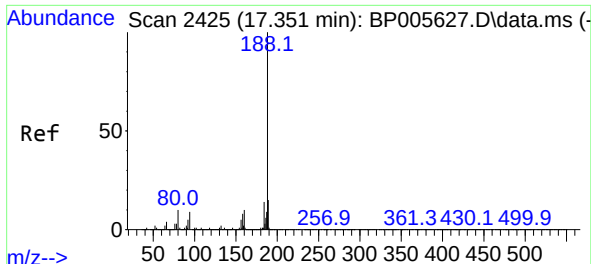
mohammad
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#58
Fluorene
Concen: 13.07 ng
RT: 15.663 min Scan# 2138
Delta R.T. 0.006 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

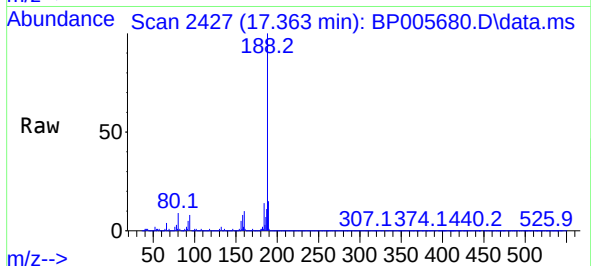
Tgt Ion:166 Resp: 736414
Ion Ratio Lower Upper
166 100
165 97.8 78.8 118.2
167 13.5 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.363 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

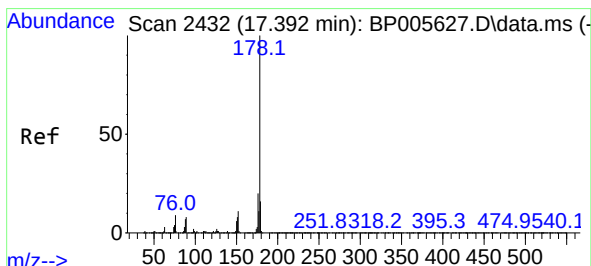
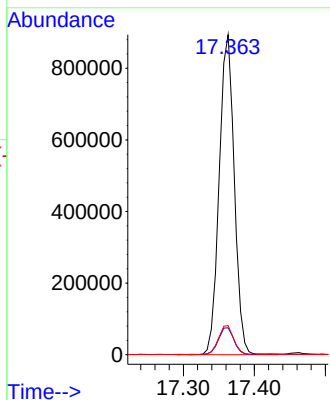
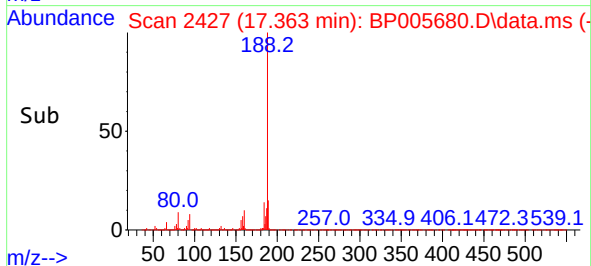
Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)



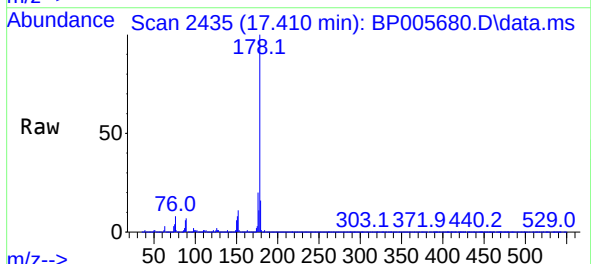
Tgt Ion:188 Resp: 1311478
Ion Ratio Lower Upper
188 100
94 8.4 5.0 7.6#
80 9.1 5.9 8.9#

Manual Integrations
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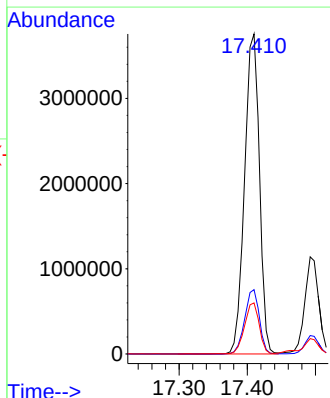
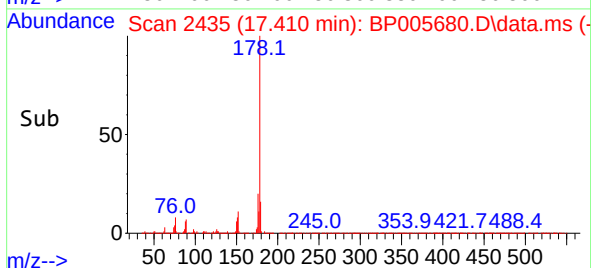
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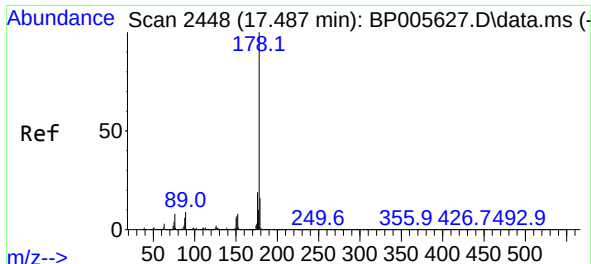


#71
Phenanthrene
Concen: 69.59 ng
RT: 17.410 min Scan# 2435
Delta R.T. 0.017 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28



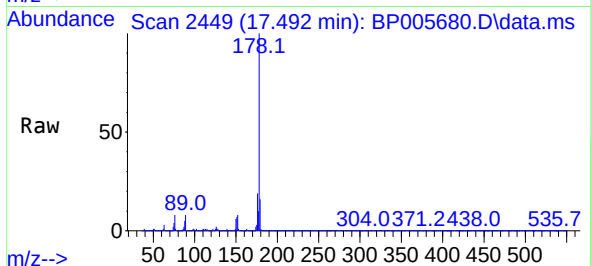
Tgt Ion:178 Resp: 5685547
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 16.0 12.3 18.5





#72
 Anthracene
 Concen: 19.75 ng
 RT: 17.492 min Scan# 2449
 Delta R.T. 0.006 min
 Lab File: BP005680.D
 Acq: 02 Jun 2021 23:28

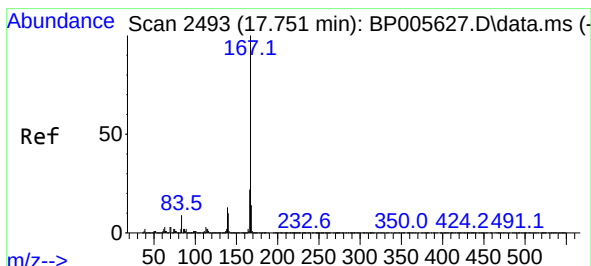
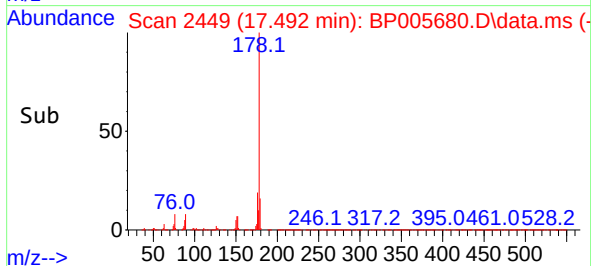
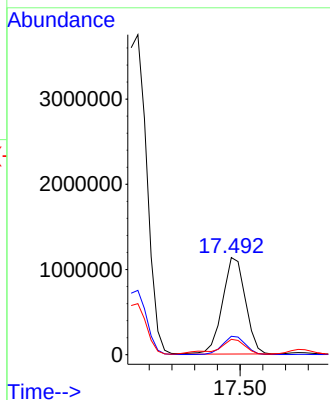
Instrument :
 BNA_P
 ClientSampleId :
 18-B6(6-12)



Tgt Ion:178 Resp: 1593316
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.2 22.8
 179 15.9 12.6 19.0

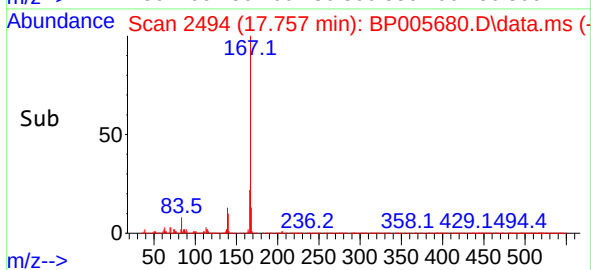
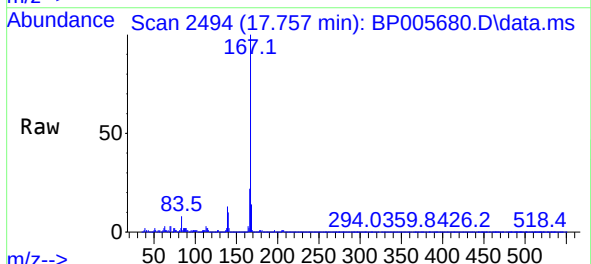
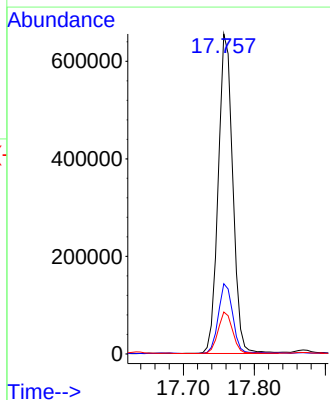
Manual Integrations
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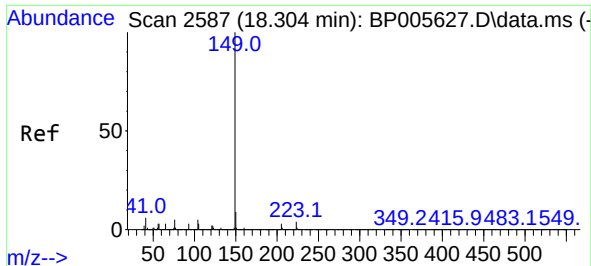
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#73
 Carbazole
 Concen: 11.67 ng
 RT: 17.757 min Scan# 2494
 Delta R.T. 0.006 min
 Lab File: BP005680.D
 Acq: 02 Jun 2021 23:28

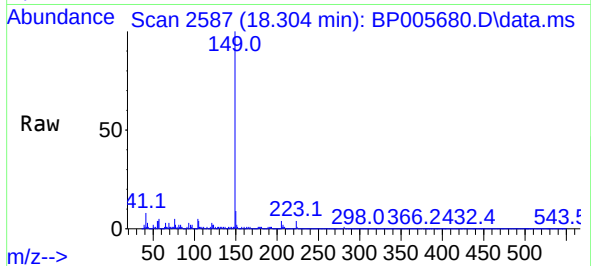
Tgt Ion:167 Resp: 926498
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 13.1 10.4 15.6





#74
Di-n-butylphthalate
Concen: 4.05 ng
RT: 18.304 min Scan# 2587
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

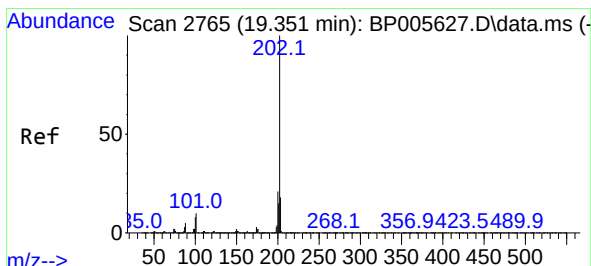
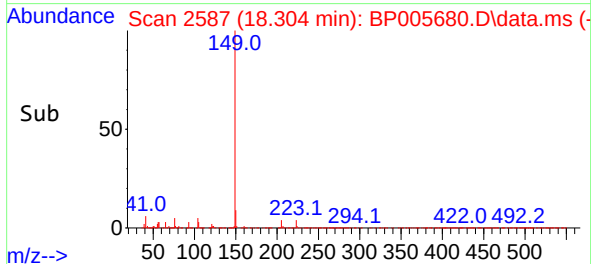
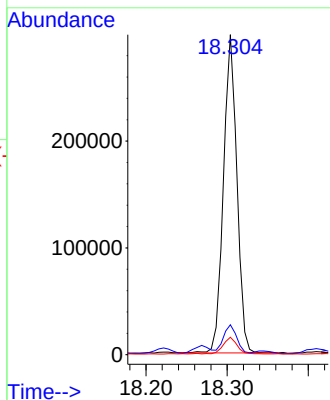
Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)



Tgt Ion:149 Resp: 344408
Ion Ratio Lower Upper
149 100
150 9.3 7.6 11.4
104 5.4 8.9 13.3#

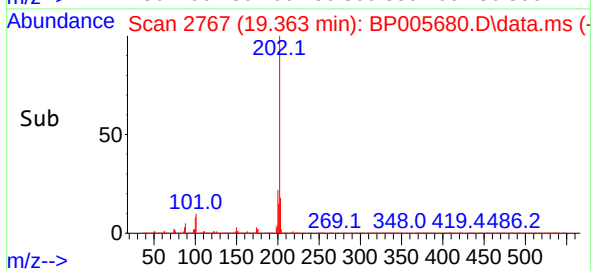
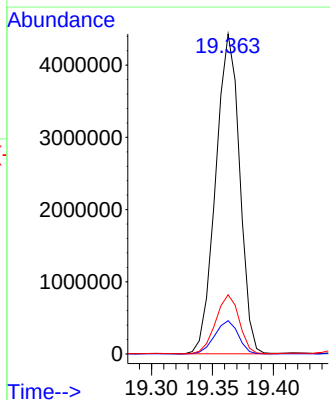
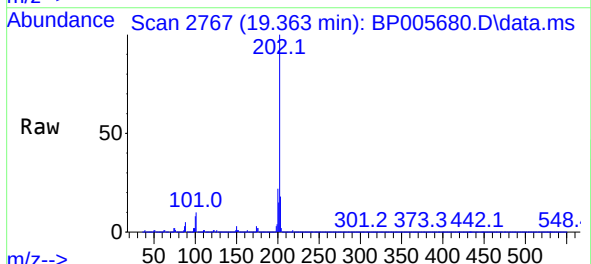
Manual Integrations
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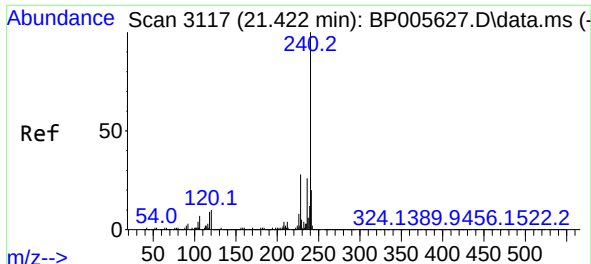
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#75
Fluoranthene
Concen: 61.95 ng
RT: 19.363 min Scan# 2767
Delta R.T. 0.012 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:202 Resp: 6075888
Ion Ratio Lower Upper
202 100
101 10.4 0.0 26.1
203 18.5 0.0 37.2





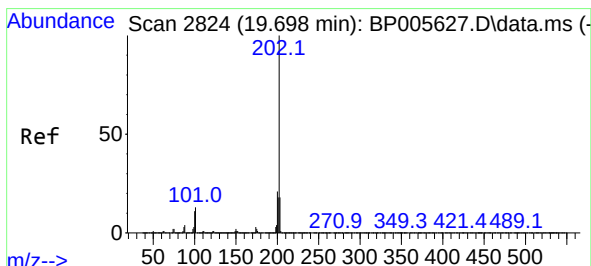
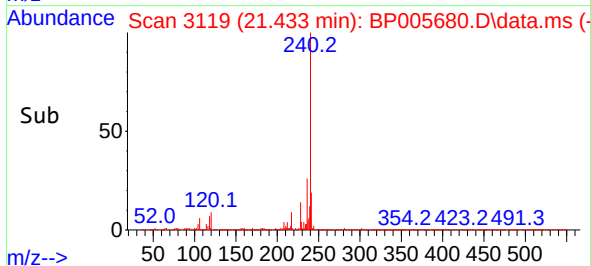
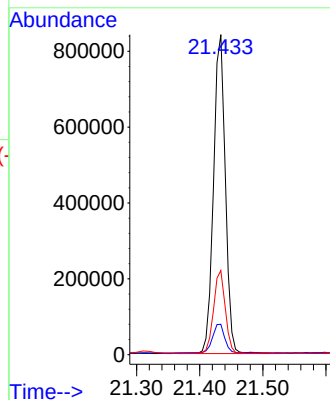
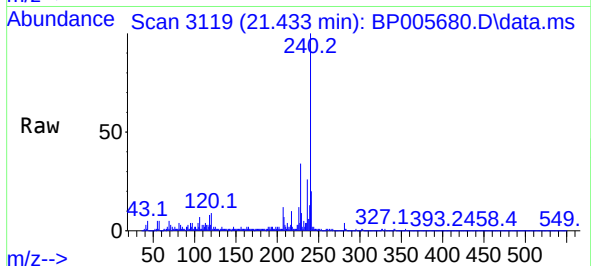
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.011 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:240 Resp: 1092054
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 26.3 20.2 30.2

Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)

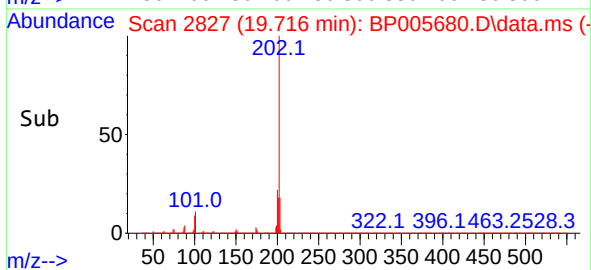
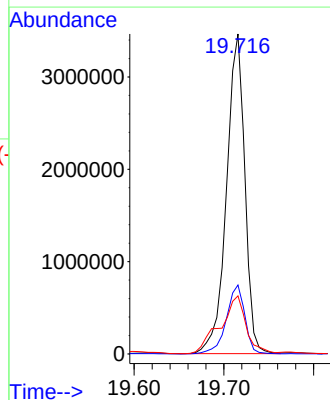
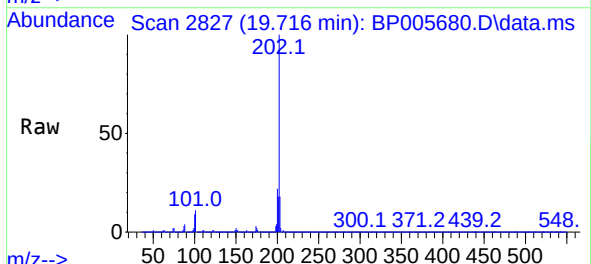
Manual Integrations
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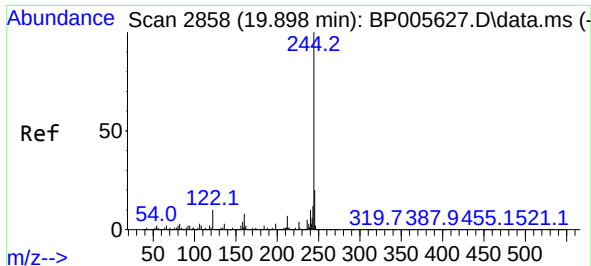
mohammad
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#78
Pyrene
Concen: 63.82 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.017 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:202 Resp: 4917932
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 18.2 13.8 20.6





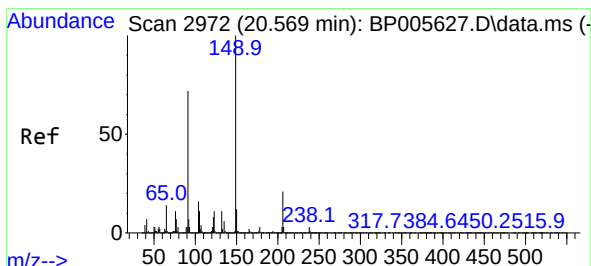
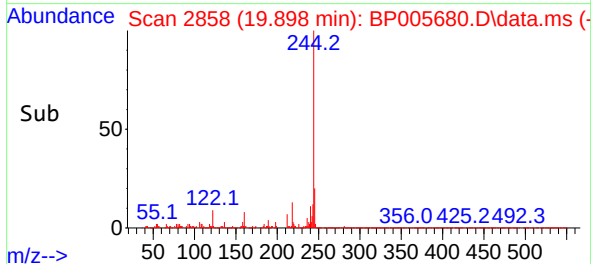
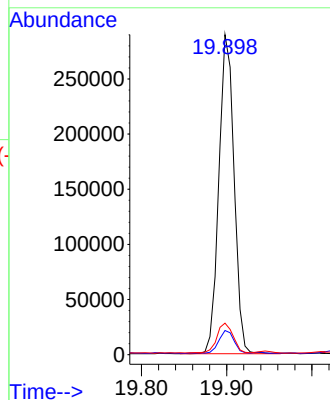
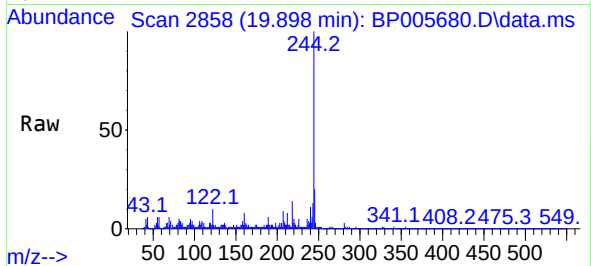
#79
Terphenyl-d14
Concen: 6.17 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:244 Resp: 359055
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.9 5.2 7.8#

Instrument :
BNA_P
ClientSampled :
18-B6(6-12)

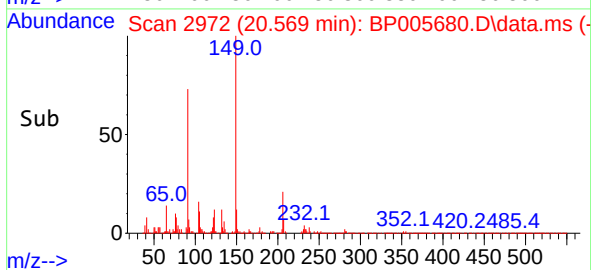
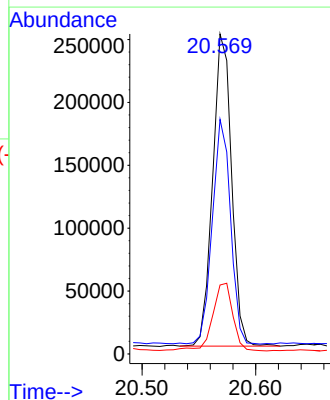
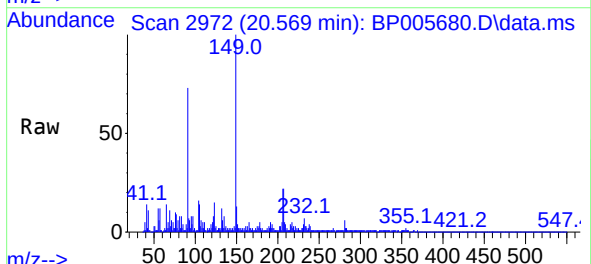
Manual Integrations
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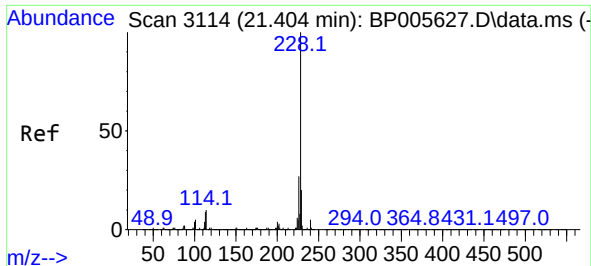
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#80
Butylbenzylphthalate
Concen: 12.55 ng
RT: 20.569 min Scan# 2972
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

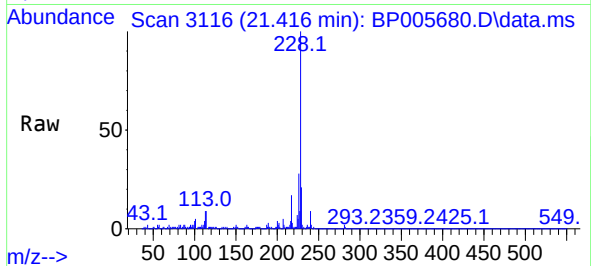
Tgt Ion:149 Resp: 287137
Ion Ratio Lower Upper
149 100
91 73.3 60.2 90.4
206 21.6 23.9 35.9#





#81
Benzo(a)anthracene
Concen: 32.87 ng
RT: 21.416 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

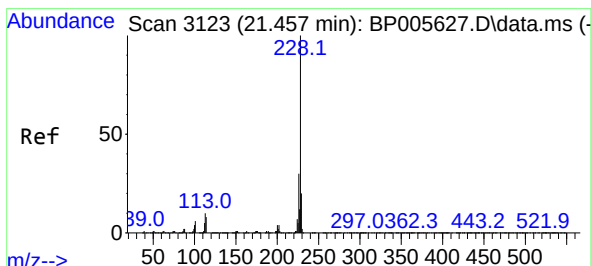
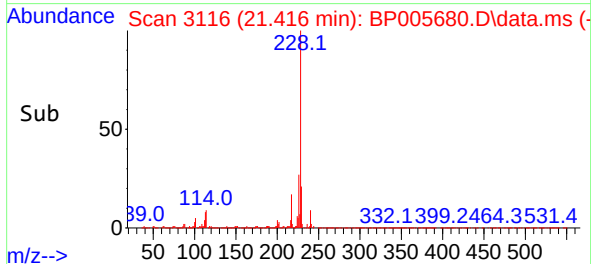
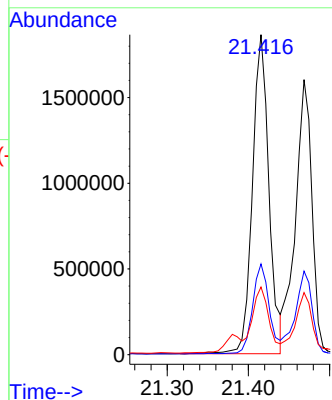
Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)



Tgt Ion:228 Resp: 2634404
Ion Ratio Lower Upper
228 100
226 28.4 21.2 31.8
229 21.1 15.6 23.4

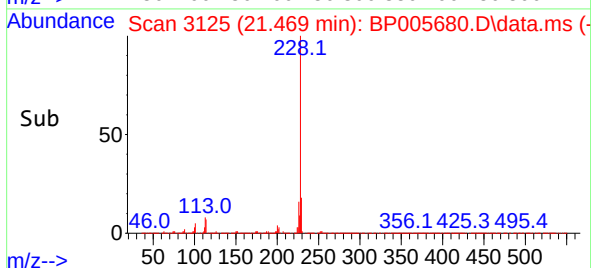
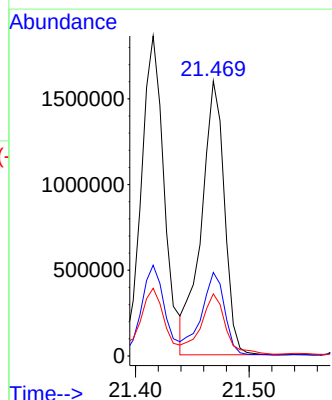
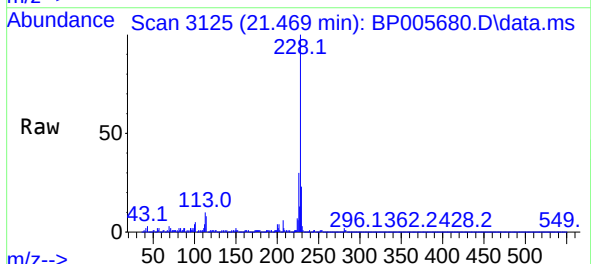
Manual Integrations
APPROVED

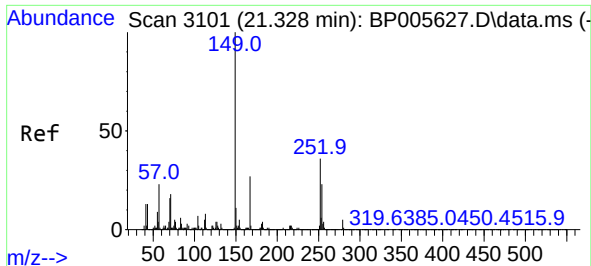
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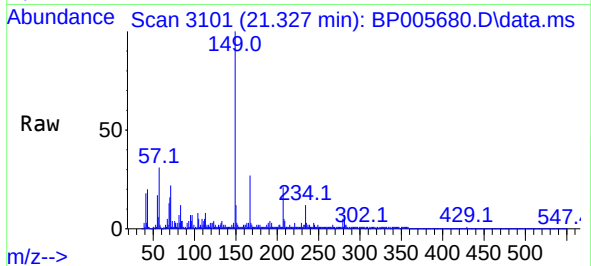
#83
Chrysene
Concen: 29.13 ng
RT: 21.469 min Scan# 3125
Delta R.T. 0.012 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:228 Resp: 2260729
Ion Ratio Lower Upper
228 100
226 30.4 24.8 37.2
229 22.6 15.4 23.0

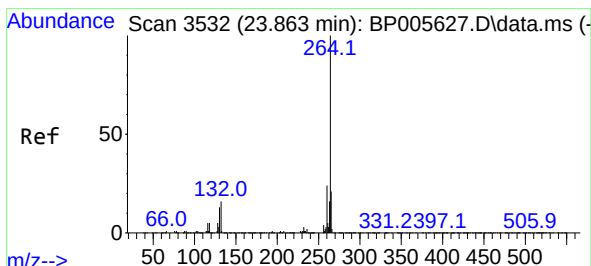
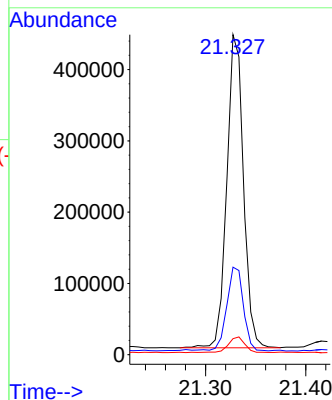
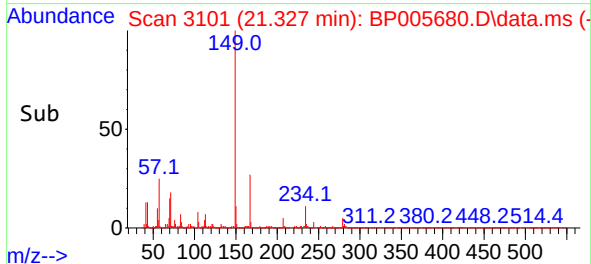




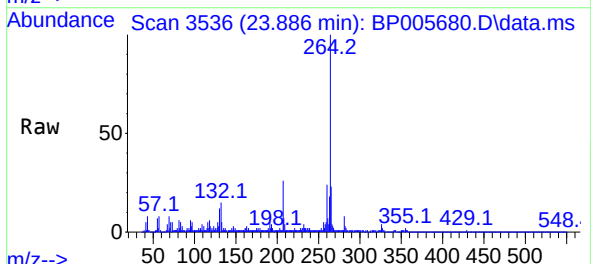
#84
Bis(2-ethylhexyl)phthalate
Concen: 11.62 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.000 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28



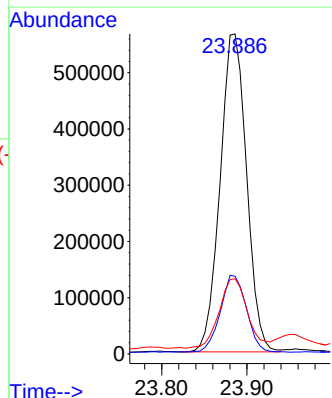
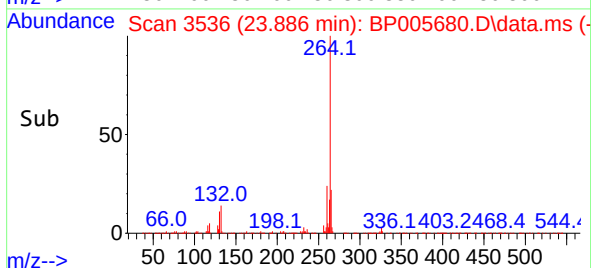
Tgt Ion:149 Resp: 505740
Ion Ratio Lower Upper
149 100
167 27.3 23.8 35.8
279 5.0 5.7 8.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.886 min Scan# 3536
Delta R.T. 0.023 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28



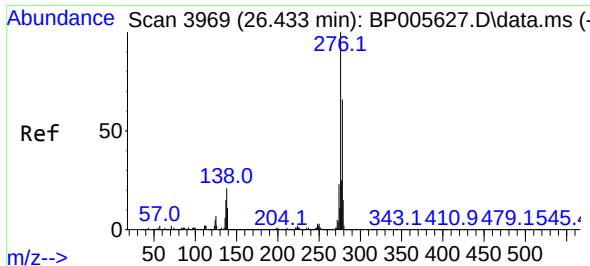
Tgt Ion:264 Resp: 1221599
Ion Ratio Lower Upper
264 100
260 24.3 20.6 30.8
265 23.5 19.0 28.6



Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)

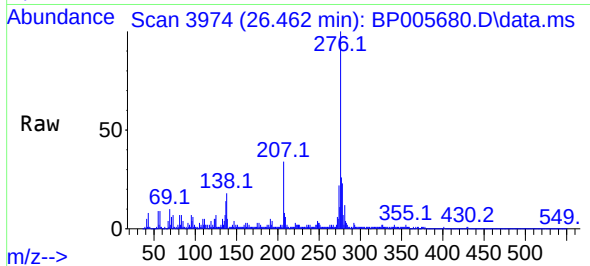
Manual Integrations
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#87
Indeno(1,2,3-cd)pyrene
Concen: 13.07 ng
RT: 26.462 min Scan# 3974
Delta R.T. 0.029 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

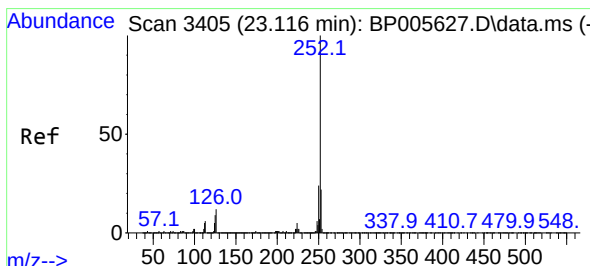
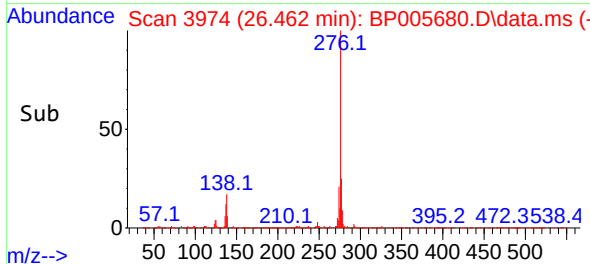
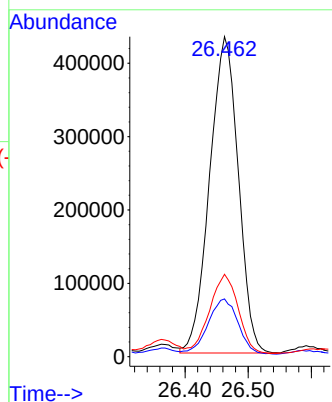
Instrument :
BNA_P
ClientSampleId :
18-B6(6-12)



Tgt Ion:276 Resp: 1358244
Ion Ratio Lower Upper
276 100
138 18.3 8.4 12.6#
277 25.2 20.6 31.0

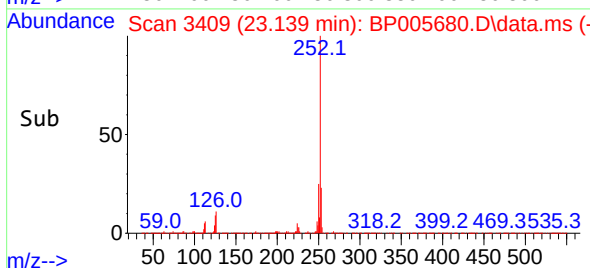
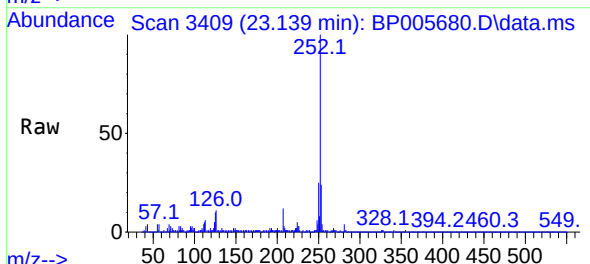
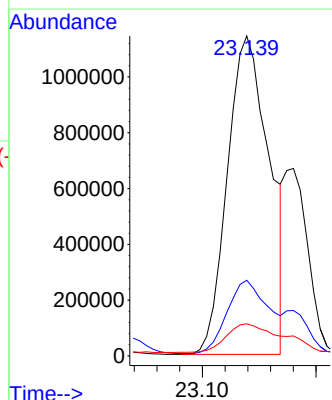
Manual Integrations
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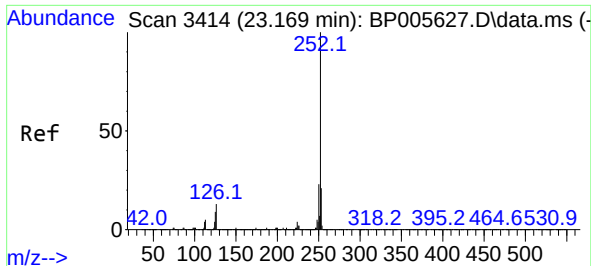
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#88
Benzo(b)fluoranthene
Concen: 32.95 ng
RT: 23.139 min Scan# 3409
Delta R.T. 0.023 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:252 Resp: 2920528
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 10.1 3.4 5.0#





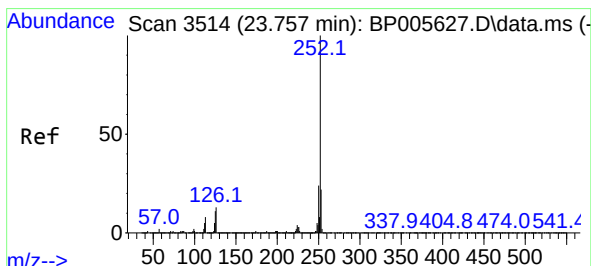
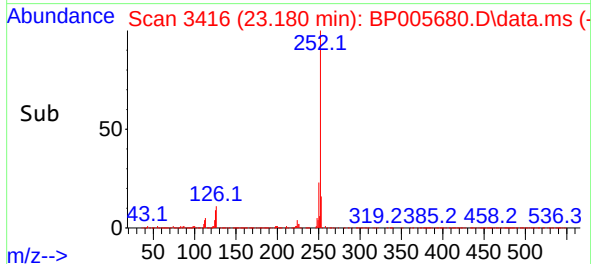
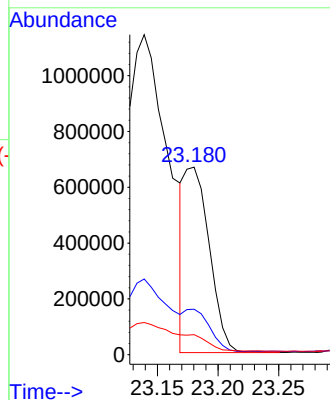
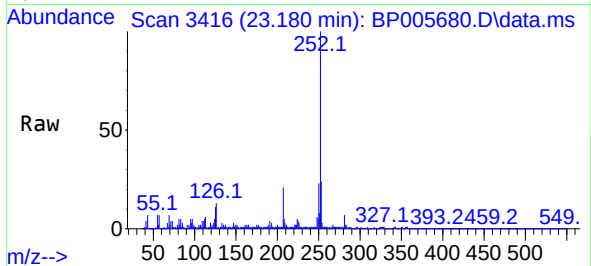
#89
Benzo(k)fluoranthene
Concen: 11.25 ng m
RT: 23.180 min Scan# 3416
Delta R.T. 0.012 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:252 Resp: 945204
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 10.7 3.8 5.6#

Instrument :
BNA_P
ClientSampled :
18-B6(6-12)

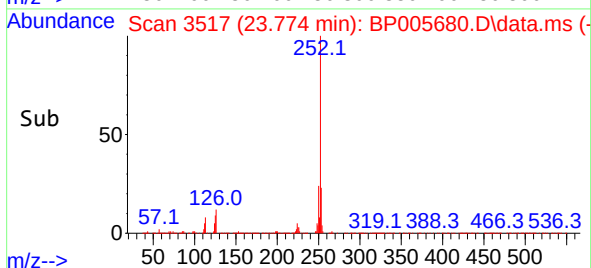
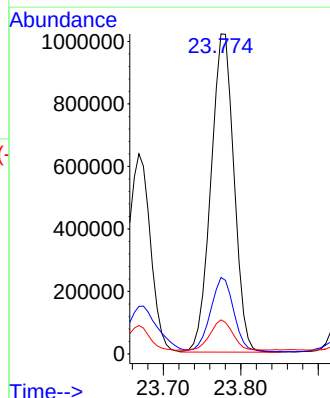
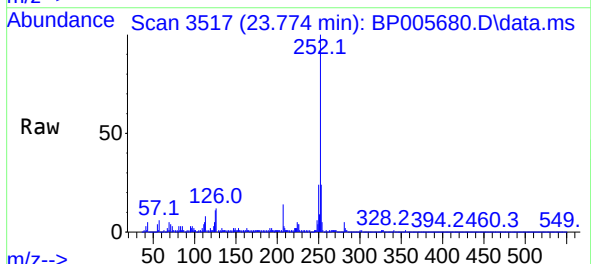
Manual Integrations
APPROVED

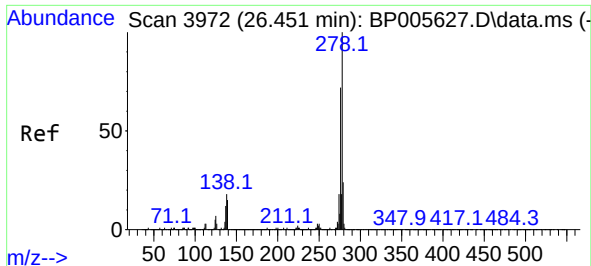
mohammad
6/3/2021 11:08:42 AM



#90
Benzo(a)pyrene
Concen: 26.16 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.017 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

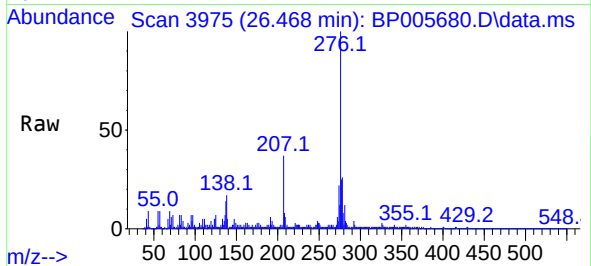
Tgt Ion:252 Resp: 2109316
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 10.6 3.8 5.6#





#91
Dibenzo(a,h)anthracene
Concen: 4.31 ng
RT: 26.468 min Scan# 3975
Delta R.T. 0.017 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

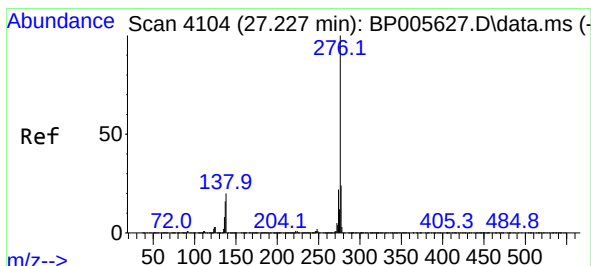
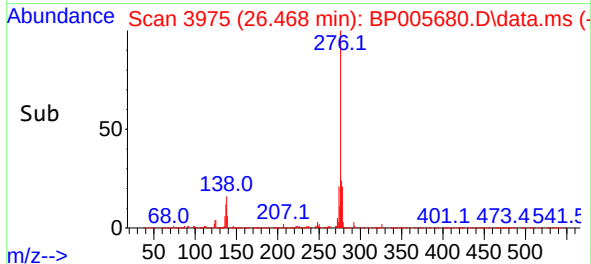
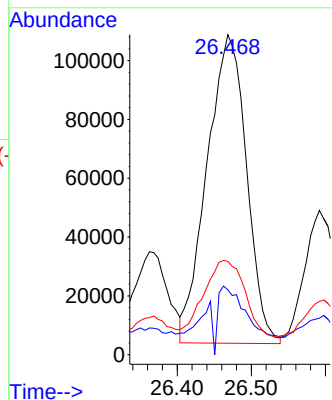
Instrument :
BNA_P
ClientSampled :
18-B6(6-12)



Tgt Ion:278 Resp: 388590
Ion Ratio Lower Upper
278 100
139 20.3 5.0 7.6#
279 29.2 18.6 28.0#

Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:42 AM



#92
Benzo(g,h,i)perylene
Concen: 14.16 ng
RT: 27.256 min Scan# 4109
Delta R.T. 0.029 min
Lab File: BP005680.D
Acq: 02 Jun 2021 23:28

Tgt Ion:276 Resp: 1231697
Ion Ratio Lower Upper
276 100
277 24.8 19.8 29.8
138 18.0 7.7 11.5#

