

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
 Data File : BP005717.D
 Acq On : 04 Jun 2021 18:17
 Operator : CG/JU
 Sample : M2589-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B8(4-6)

Manual Integrations
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Quant Time: Jun 05 02:31:11 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	7.981	152	190418	20.000	ng	-0.01
21) Naphthalene-d8	10.787	136	754336	20.000	ng	#-0.01
39) Acenaphthene-d10	14.604	164	467449	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	962258	20.000	ng	# 0.00
76) Chrysene-d12	21.415	240	962017	20.000	ng	# 0.00
86) Perylene-d12	23.857	264	1099904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	442454	36.126	ng	0.00
7) Phenol-d6	7.140	99	906397	54.286	ng	0.00
23) Nitrobenzene-d5	9.140	82	686102	50.583	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	40928	6.828	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	1583938	44.844	ng	0.00
79) Terphenyl-d14	19.886	244	2390842	46.634	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.169	94	65241	3.827	ng	98
31) Naphthalene	10.834	128	173497	3.862	ng	98
37) 2-Methylnaphthalene	12.439	142	158920	4.993	ng	# 86
38) 1-Methylnaphthalene	12.657	142	105693	3.500	ng	# 94
52) Acenaphthene	14.663	154	92138	2.947	ng	94
55) Dibenzofuran	14.998	168	97002	2.024	ng	# 87
58) Fluorene	15.645	166	135071	3.526	ng	# 96
71) Phenanthrene	17.386	178	1486909	24.803	ng	99
72) Anthracene	17.480	178	379682	6.414	ng	99
73) Carbazole	17.745	167	120834	2.074	ng	94
75) Fluoranthene	19.345	202	2141746	29.762	ng	96
78) Pyrene	19.698	202	2033706	29.960	ng	99
80) Butylbenzylphthalate	20.557	149	14484	4.613	ng	# 83
81) Benzo(a)anthracene	21.398	228	1041040	14.745	ng	97
83) Chrysene	21.451	228	945789	13.834	ng	97
84) Bis(2-ethylhexyl)phtha...	21.315	149	166786	4.349	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.427	276	671636	7.177	ng	# 95
88) Benzo(b)fluoranthene	23.110	252	1303684m	16.336	ng	
89) Benzo(k)fluoranthene	23.151	252	352398m	4.660	ng	
90) Benzo(a)pyrene	23.751	252	934995	12.879	ng	# 93
91) Dibenzo(a,h)anthracene	26.439	278	181809	2.239	ng	# 75
92) Benzo(g,h,i)perylene	27.221	276	677659	8.651	ng	# 93

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

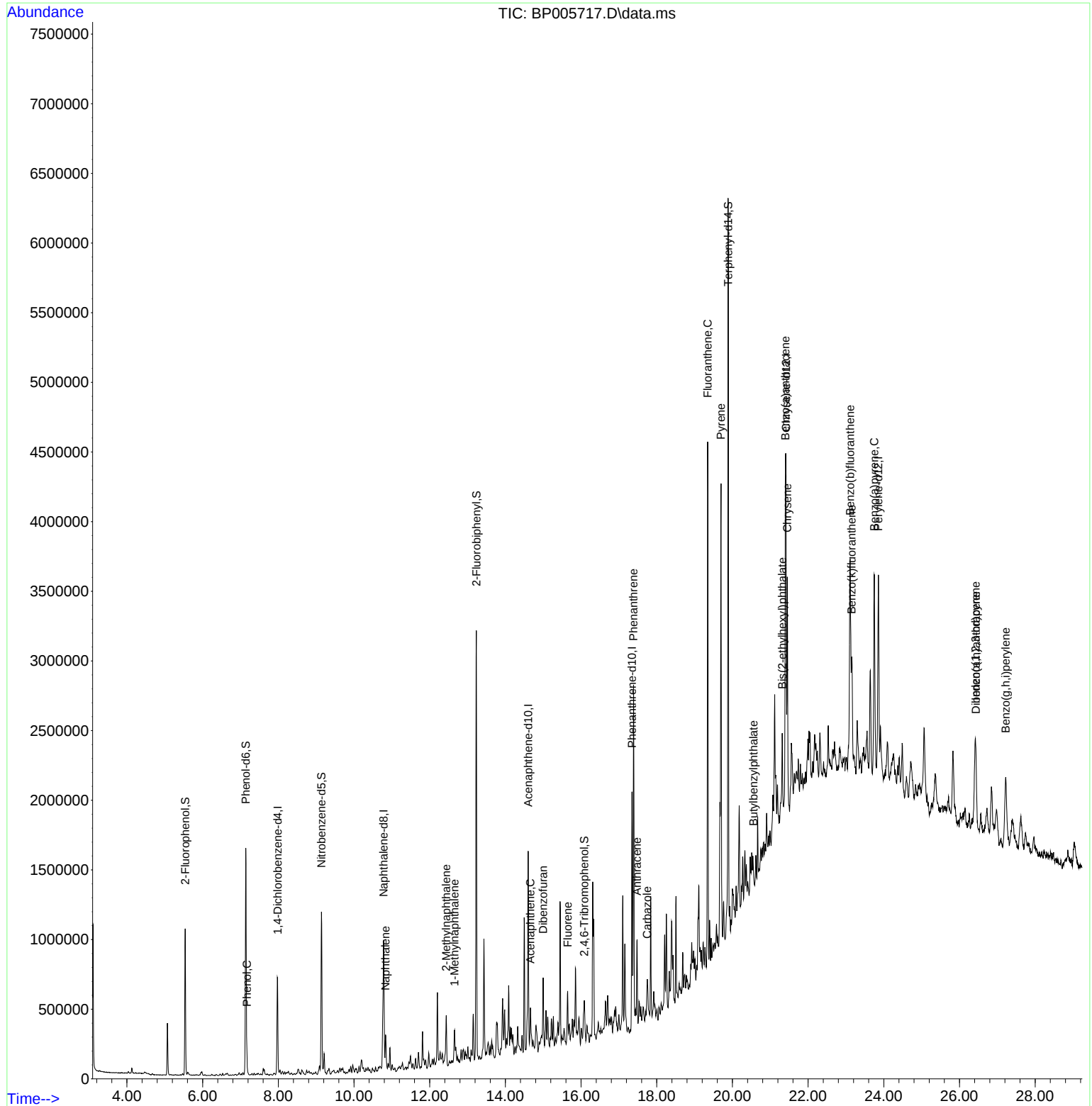
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060421\
Data File : BP005717.D
Acq On : 04 Jun 2021 18:17
Operator : CG/JU
Sample : M2589-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

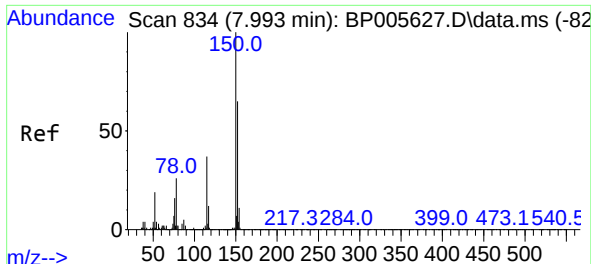
Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

Manual Integrations
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Quant Time: Jun 05 02:31:11 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





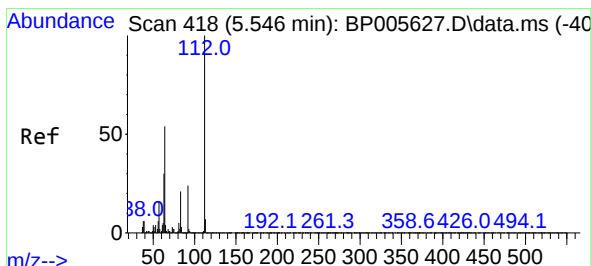
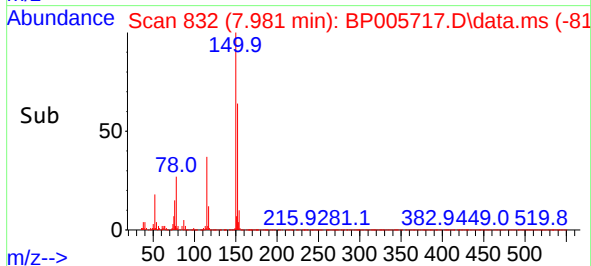
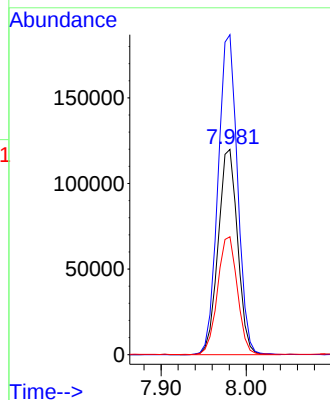
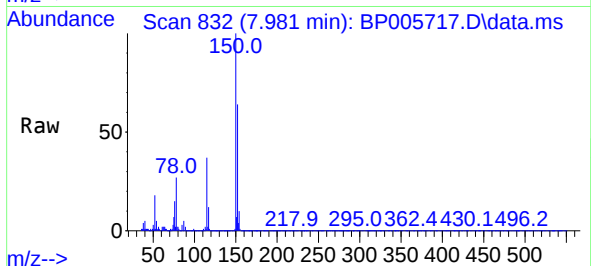
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 832
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:152 Resp: 190418
Ion Ratio Lower Upper
152 100
150 155.9 119.8 179.8
115 57.4 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

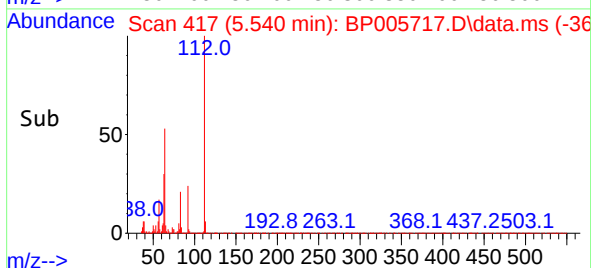
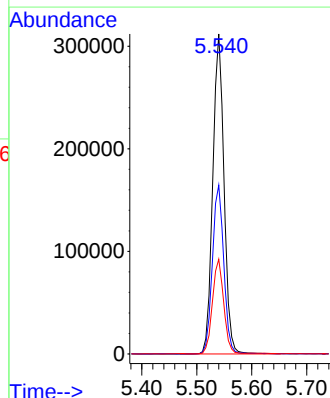
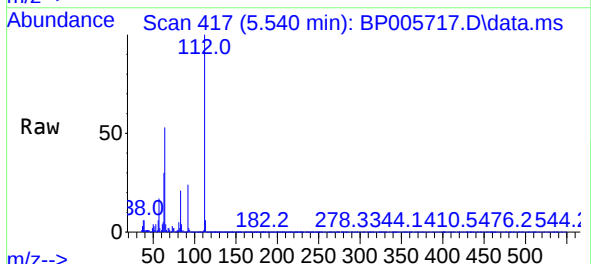
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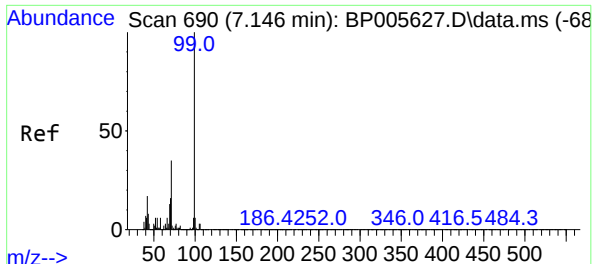
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#5
2-Fluorophenol
Concen: 36.126 ng
RT: 5.540 min Scan# 417
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

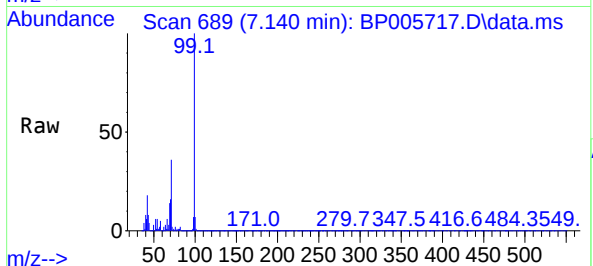
Tgt Ion:112 Resp: 442454
Ion Ratio Lower Upper
112 100
64 52.7 33.6 50.4#
63 29.6 18.6 27.8#





#7
Phenol-d6
Concen: 54.286 ng
RT: 7.140 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

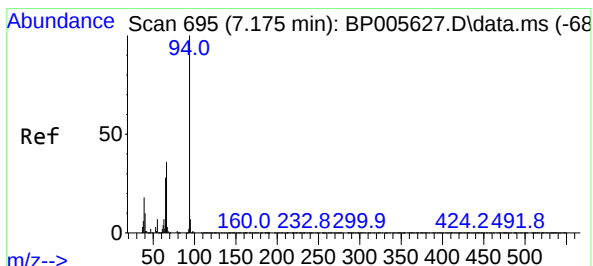
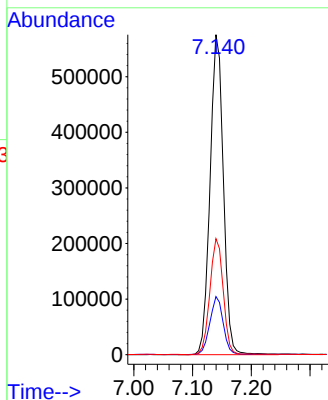
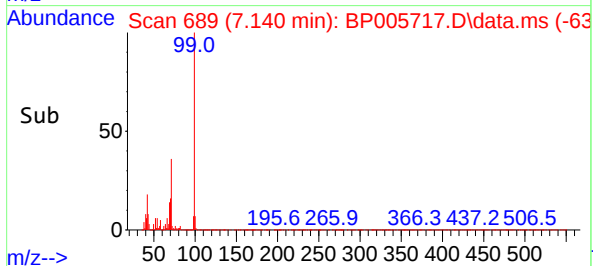
Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)



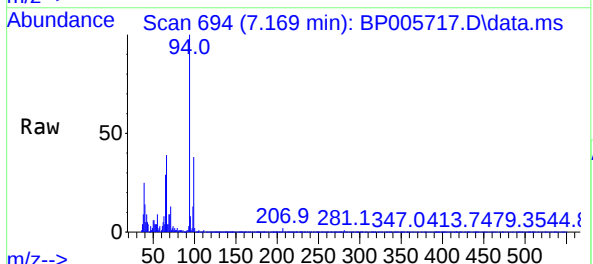
Tgt Ion: 99 Resp: 906397
Ion Ratio Lower Upper
99 100
42 18.2 12.9 19.3
71 36.2 26.7 40.1

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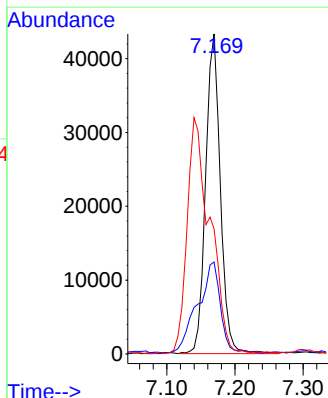
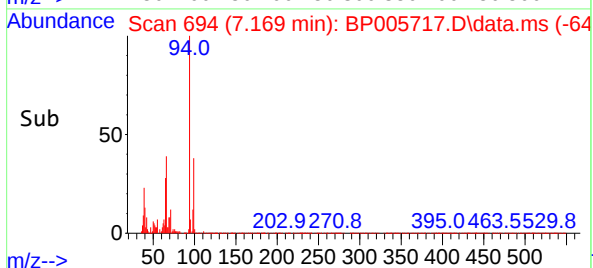
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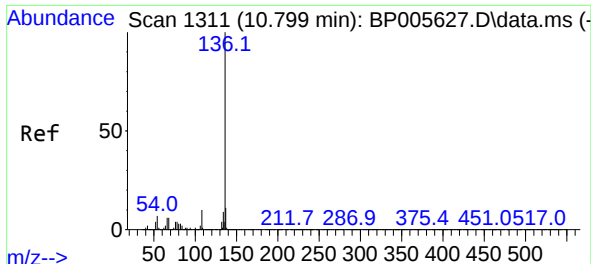


#10
Phenol
Concen: 3.827 ng
RT: 7.169 min Scan# 694
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



Tgt Ion: 94 Resp: 65241
Ion Ratio Lower Upper
94 100
65 28.8 8.0 48.0
66 39.1 17.3 57.3





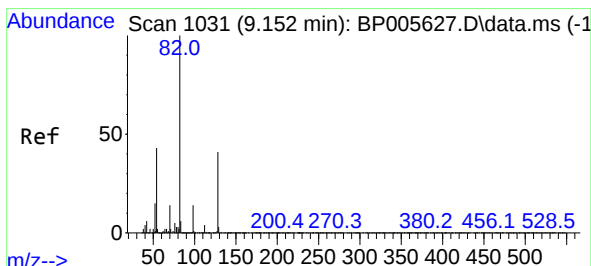
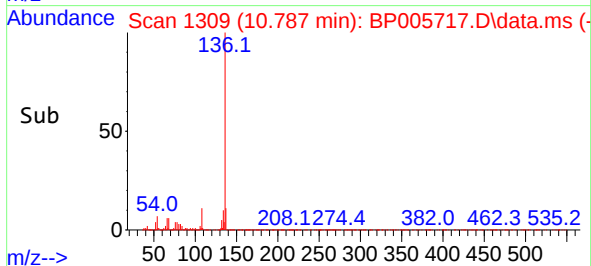
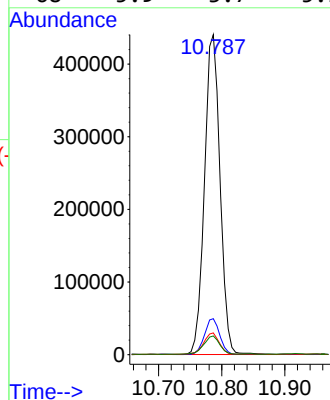
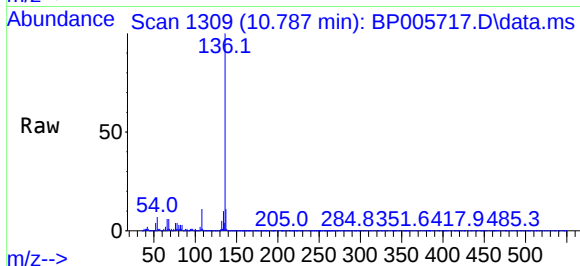
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:	136	Resp:	754336
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.8	5.0	7.4
68	5.9	3.7	5.5#

Instrument :
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18-B8(4-6)

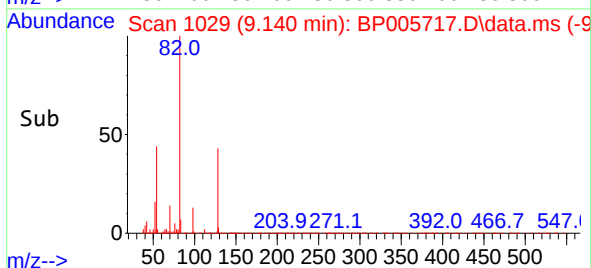
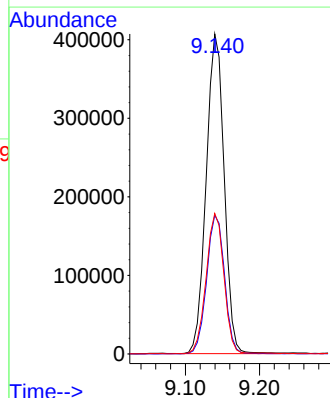
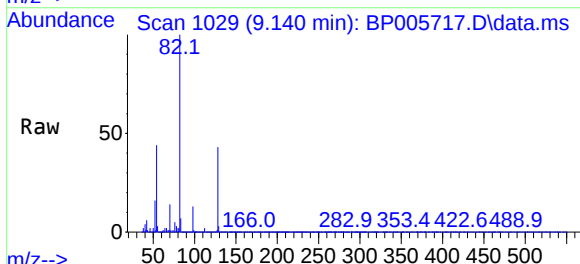
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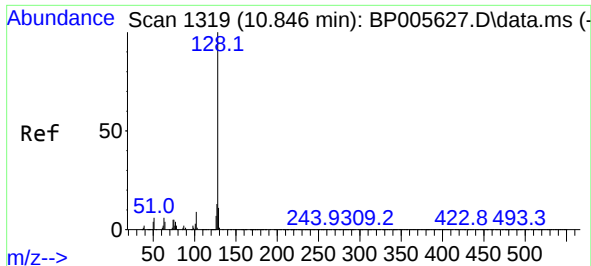
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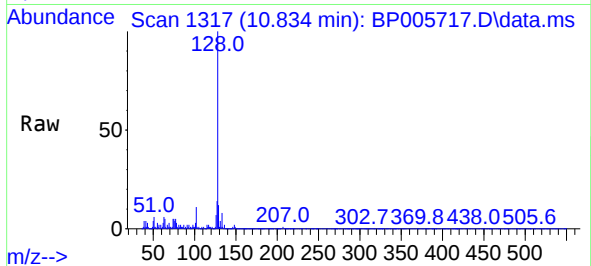
#23
Nitrobenzene-d5
Concen: 50.583 ng
RT: 9.140 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:	82	Resp:	686102
Ion	Ratio	Lower	Upper
82	100		
128	43.4	30.5	45.7
54	43.9	33.9	50.9

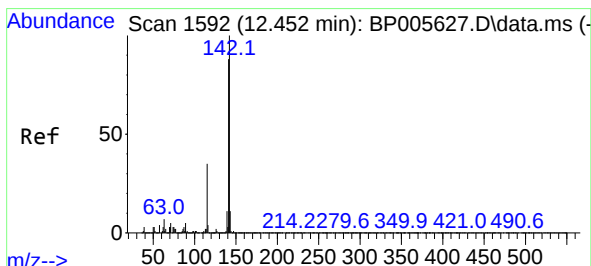
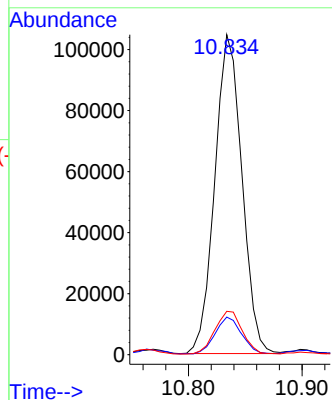
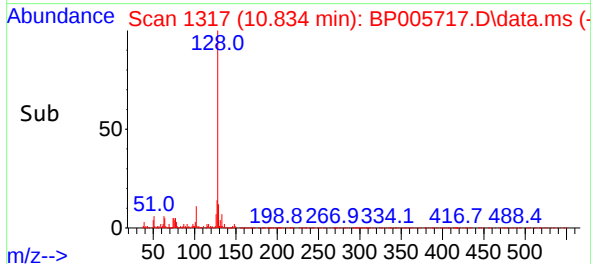




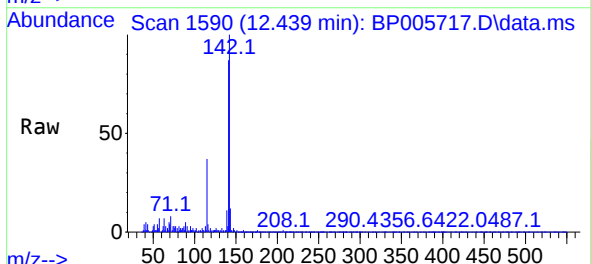
#31
Naphthalene
Concen: 3.862 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



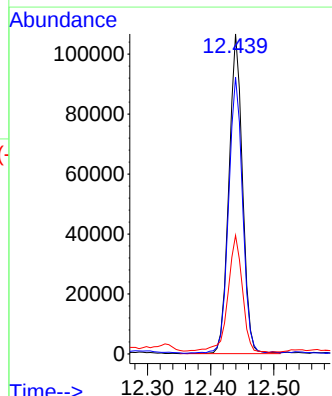
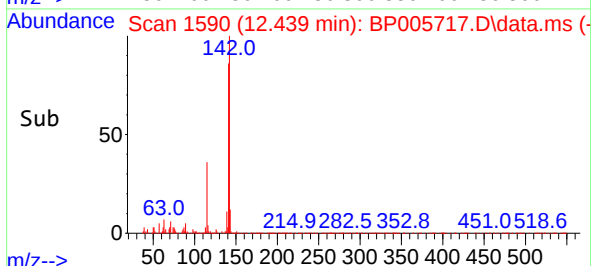
Tgt Ion:128 Resp: 173497
Ion Ratio Lower Upper
128 100
129 11.7 8.0 12.0
127 13.6 11.1 16.7



#37
2-Methylnaphthalene
Concen: 4.993 ng
RT: 12.439 min Scan# 1590
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



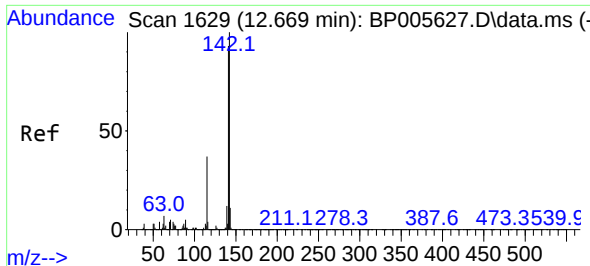
Tgt Ion:142 Resp: 158920
Ion Ratio Lower Upper
142 100
141 86.5 74.7 112.1
115 37.1 43.8 65.8#



Instrument :
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18-B8(4-6)

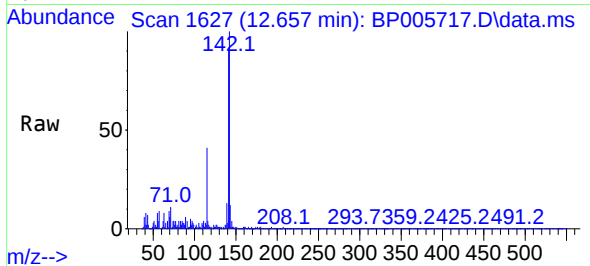
Manual Integrations
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#38
1-Methylnaphthalene
Concen: 3.500 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

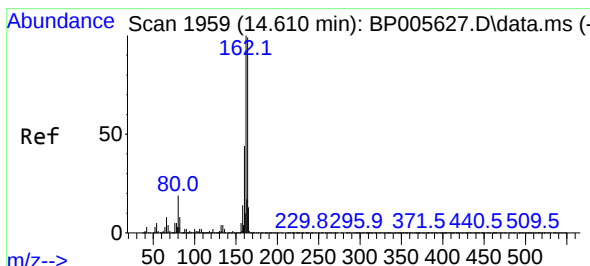
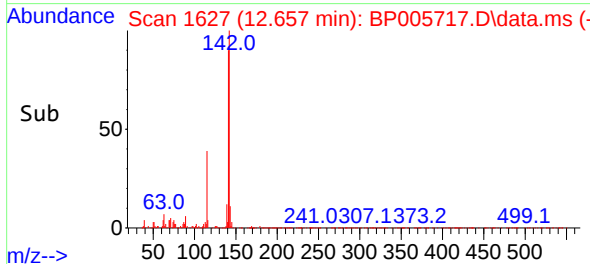
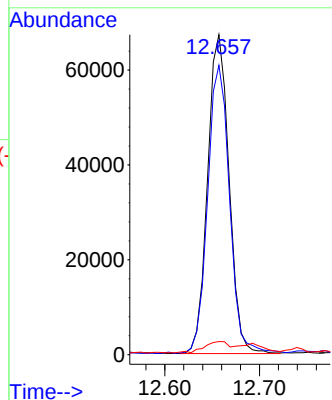
Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)



Tgt Ion:142 Resp: 105693
Ion Ratio Lower Upper
142 100
141 90.4 77.0 115.6
116 4.1 5.0 7.6#

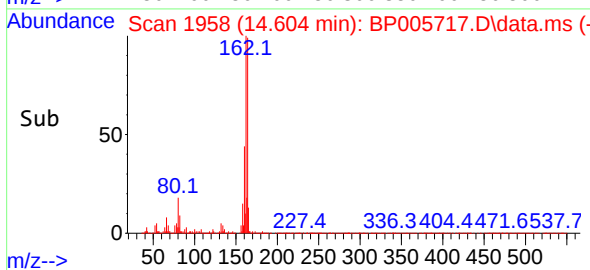
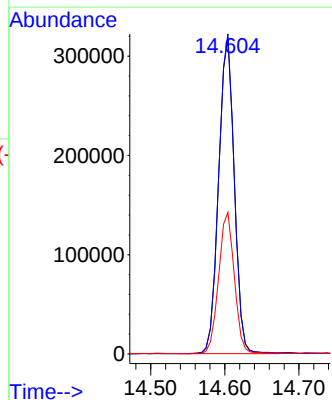
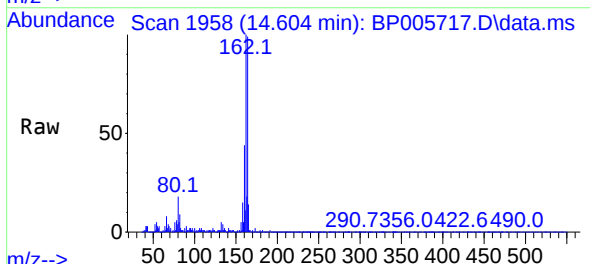
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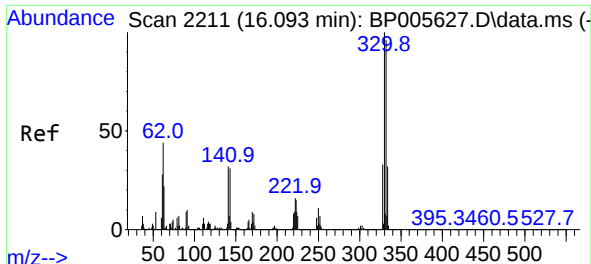
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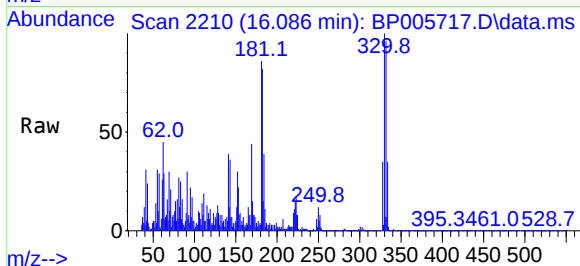
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:164 Resp: 467449
Ion Ratio Lower Upper
164 100
162 101.2 73.5 110.3
160 44.7 40.6 61.0

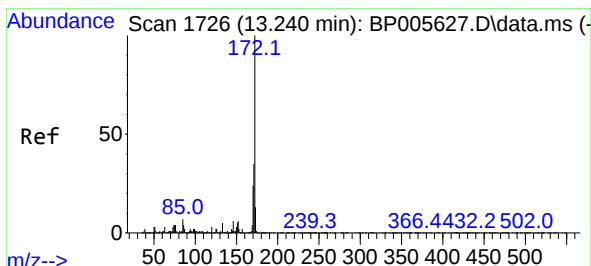
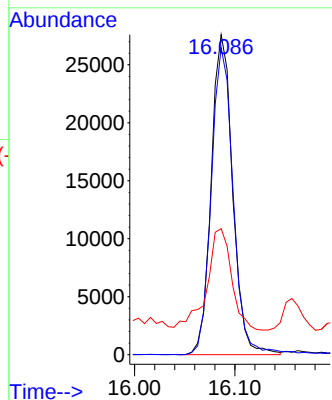
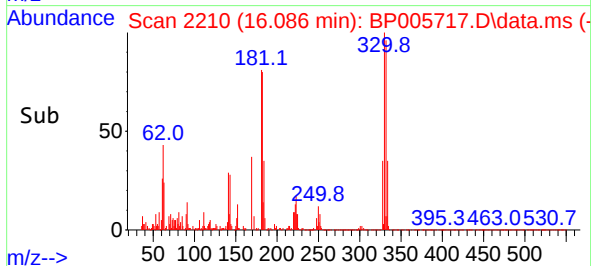




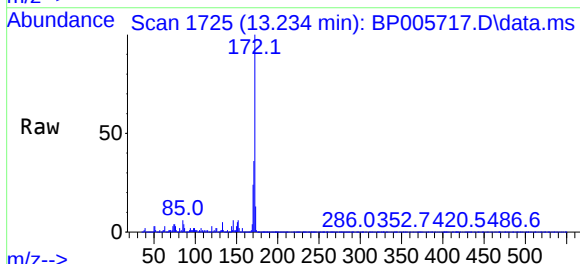
#42
2,4,6-Tribromophenol
Concen: 6.828 ng
RT: 16.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



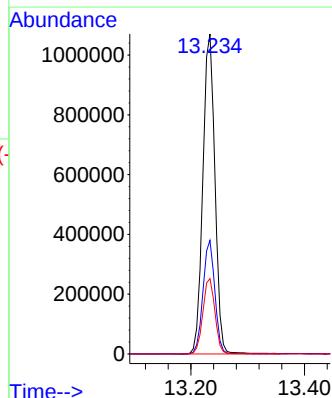
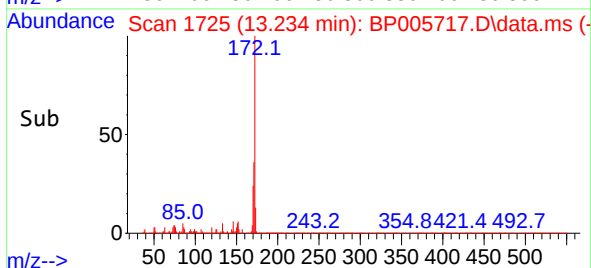
Tgt Ion: 330 Resp: 40928
Ion Ratio Lower Upper
330 100
332 98.5 76.3 114.5
141 36.9 22.8 34.2#



#45
2-Fluorobiphenyl
Concen: 44.844 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



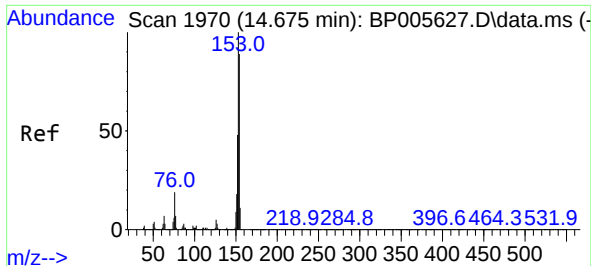
Tgt Ion: 172 Resp: 1583938
Ion Ratio Lower Upper
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171 35.5 28.1 42.1
170 23.6 19.6 29.4



Instrument :
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ClientSampleId :
18-B8(4-6)

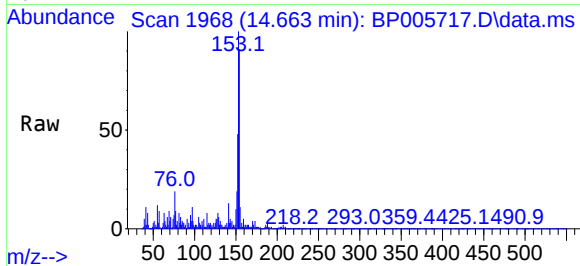
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#52
Acenaphthene
Concen: 2.947 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

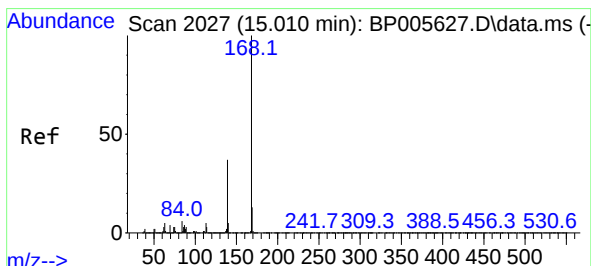
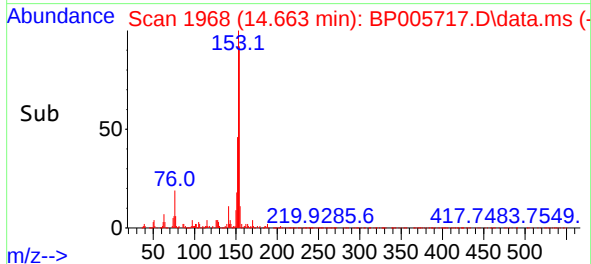
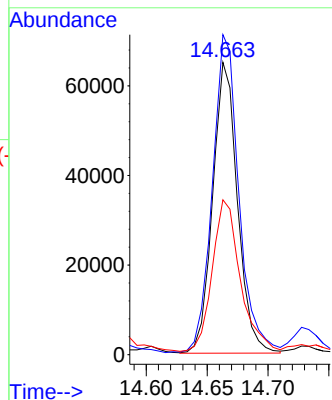
Instrument :
BNA_P
ClientSampled :
18-B8(4-6)



Tgt Ion:154 Resp: 92138
Ion Ratio Lower Upper
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153 109.4 90.9 136.3
152 53.0 48.5 72.7

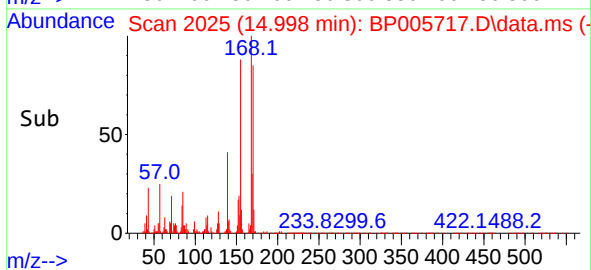
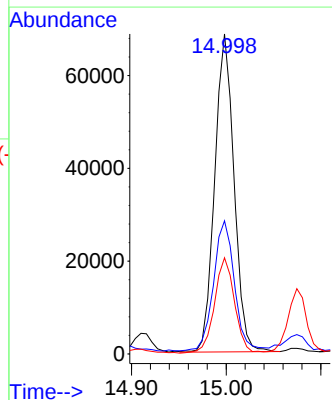
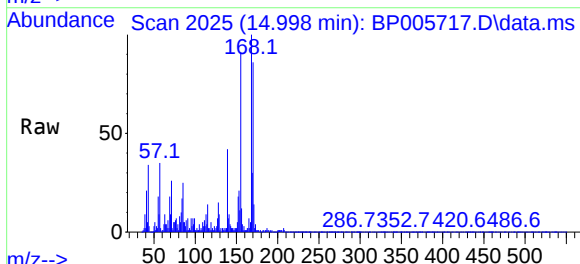
Manual Integrations
APPROVED

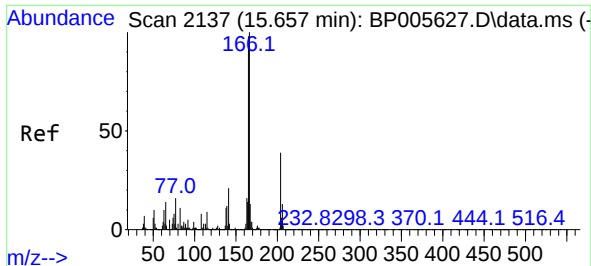
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#55
Dibenzofuran
Concen: 2.024 ng
RT: 14.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

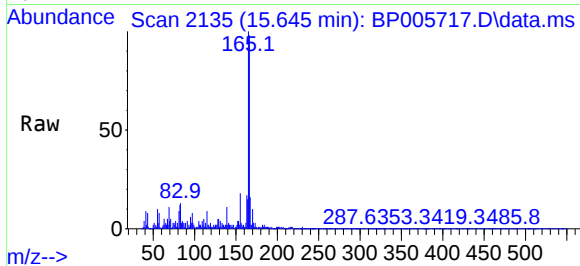
Tgt Ion:168 Resp: 97002
Ion Ratio Lower Upper
168 100
139 41.6 31.4 47.0
169 30.1 11.4 17.0#





#58
Fluorene
Concen: 3.526 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

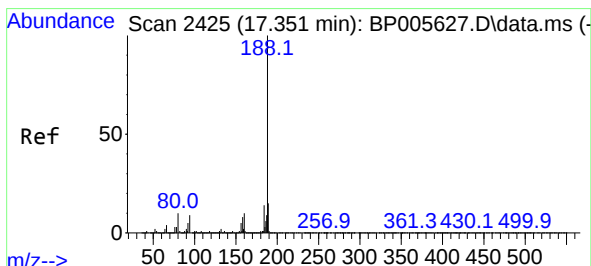
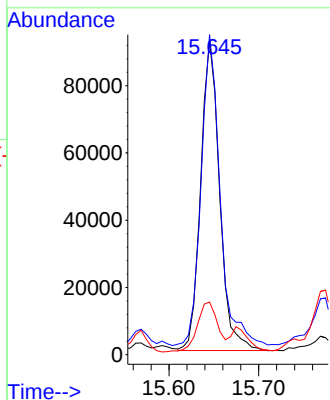
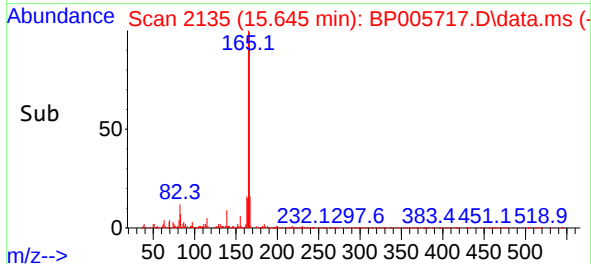
Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)



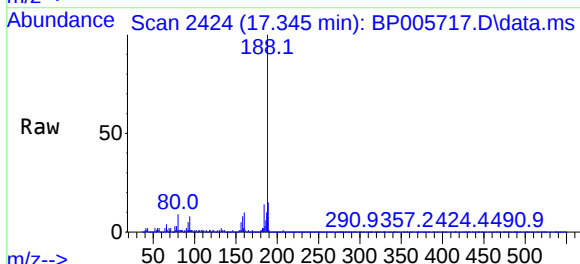
Tgt Ion:166 Resp: 135071
Ion Ratio Lower Upper
166 100
165 102.0 78.8 118.2
167 16.8 10.9 16.3#

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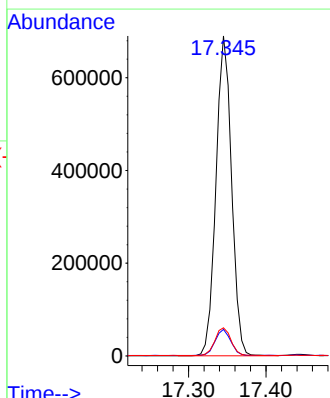
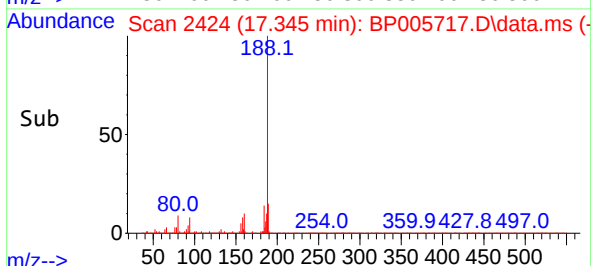
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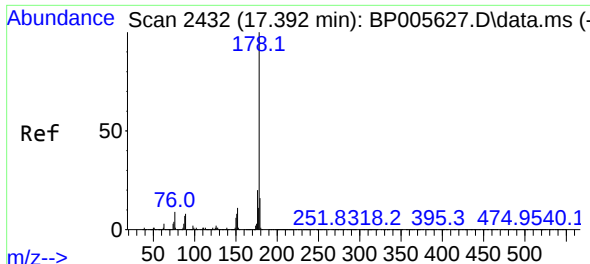


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



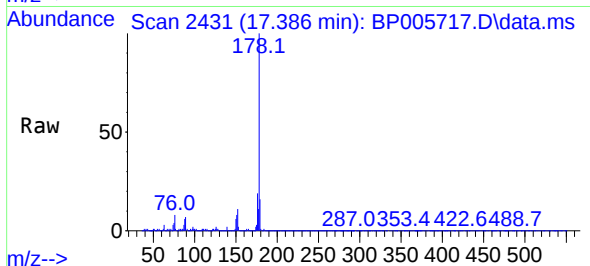
Tgt Ion:188 Resp: 962258
Ion Ratio Lower Upper
188 100
94 8.3 5.0 7.6#
80 8.8 5.9 8.9





#71
Phenanthrene
Concen: 24.803 ng
RT: 17.386 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

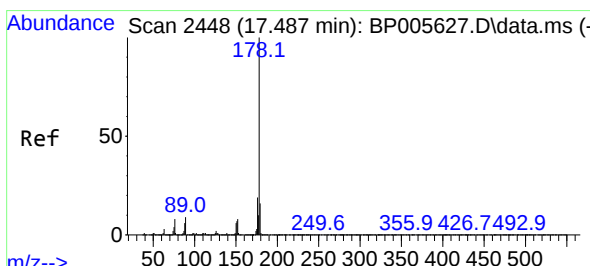
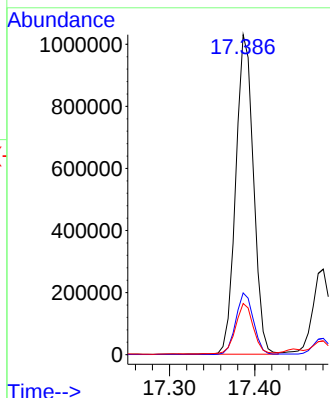
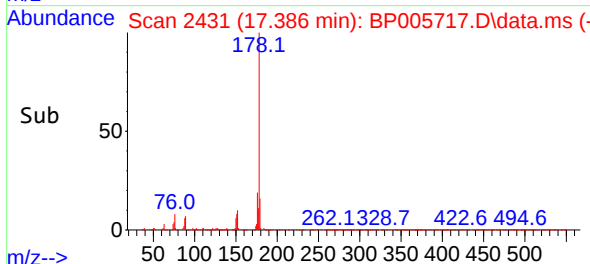
Instrument :
BNA_P
ClientSampled :
18-B8(4-6)



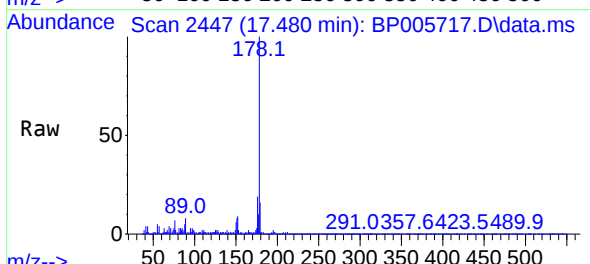
Tgt Ion:178 Resp: 1486909
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.0 12.3 18.5

Manual Integrations
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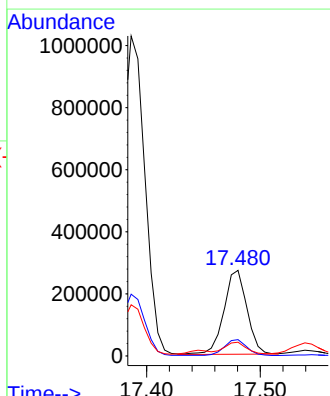
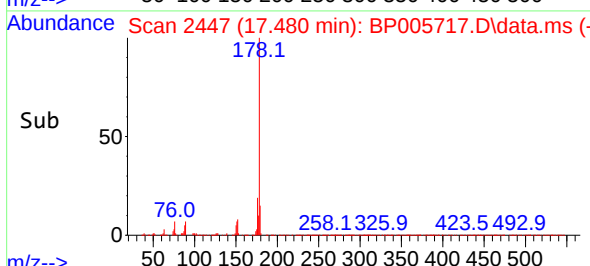
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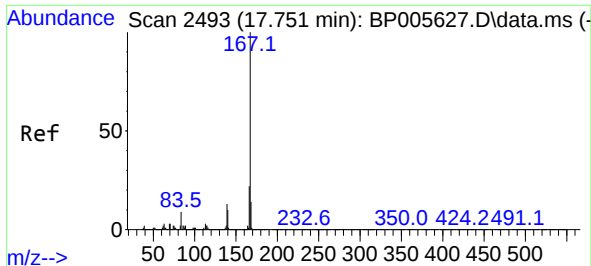


#72
Anthracene
Concen: 6.414 ng
RT: 17.480 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



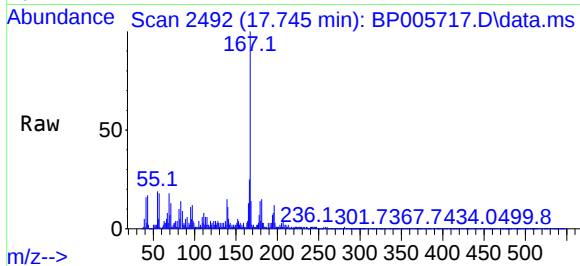
Tgt Ion:178 Resp: 379682
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 16.2 12.6 19.0





#73
 Carbazole
 Concen: 2.074 ng
 RT: 17.745 min Scan# 2492
 Delta R.T. -0.006 min
 Lab File: BP005717.D
 Acq: 04 Jun 2021 18:17

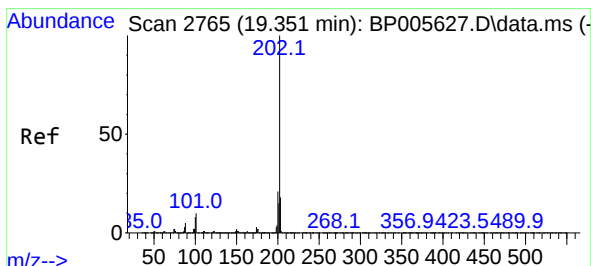
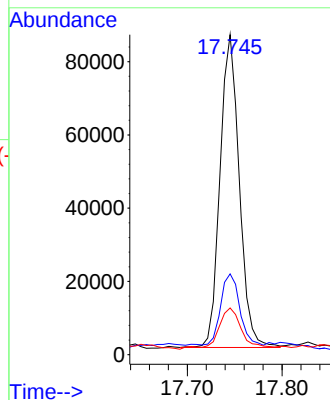
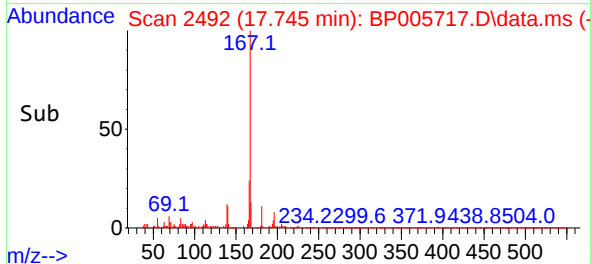
Instrument :
 BNA_P
 ClientSampleId :
 18-B8(4-6)



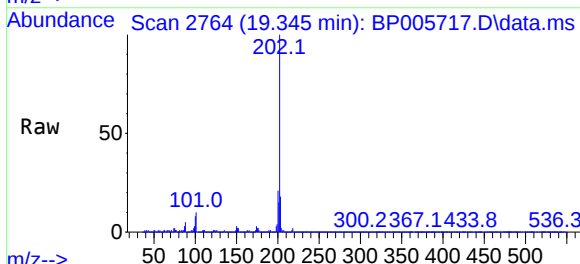
Tgt Ion:167 Resp: 120834
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.4 26.0
 139 14.6 10.4 15.6

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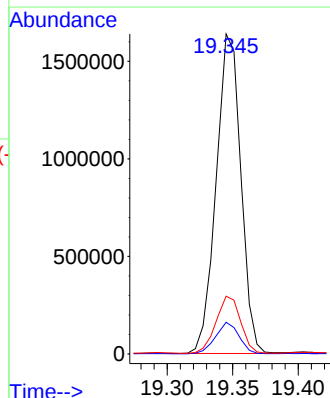
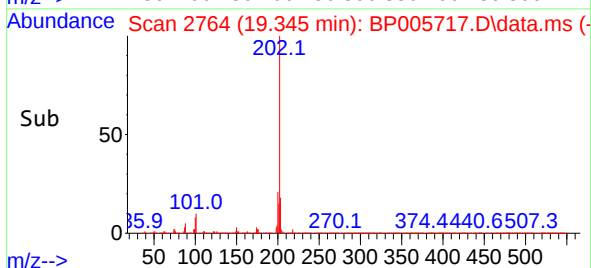
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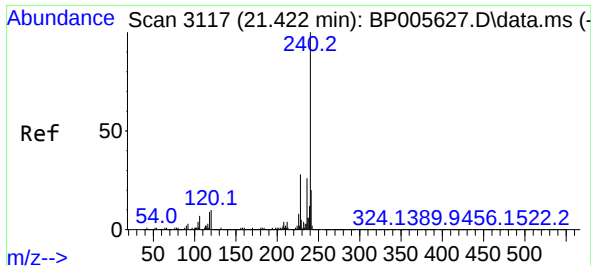


#75
 Fluoranthene
 Concen: 29.762 ng
 RT: 19.345 min Scan# 2764
 Delta R.T. -0.006 min
 Lab File: BP005717.D
 Acq: 04 Jun 2021 18:17



Tgt Ion:202 Resp: 2141746
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 26.1
 203 18.1 0.0 37.2





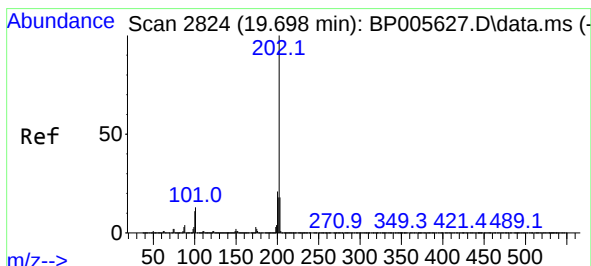
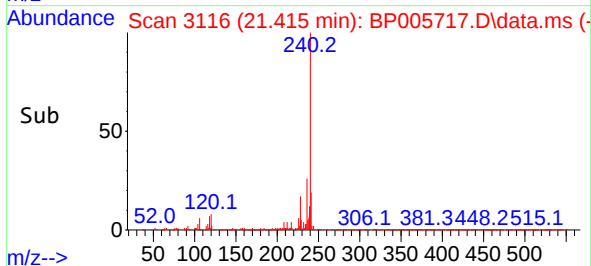
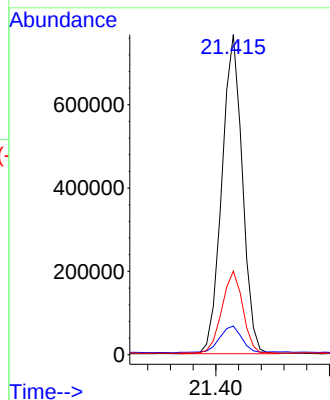
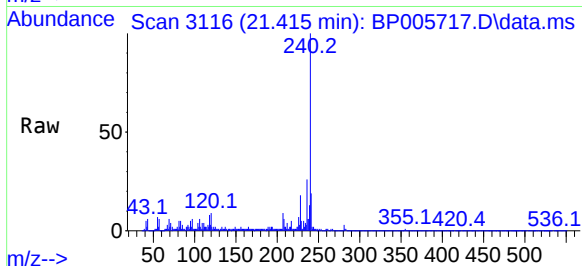
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.007 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:240 Resp: 962017
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2#
236 26.1 20.2 30.2

Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

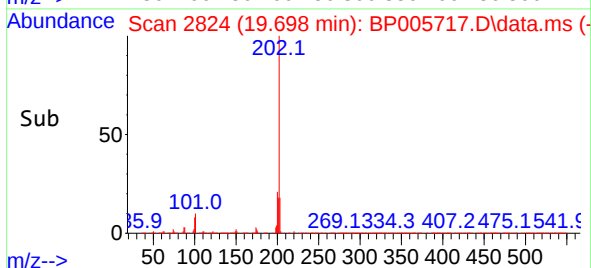
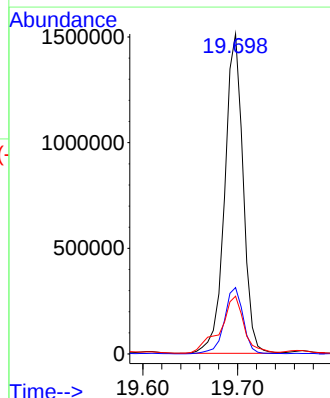
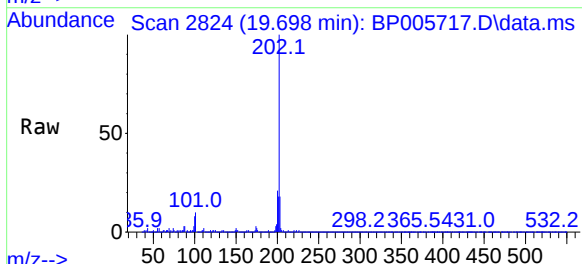
Manual Integrations
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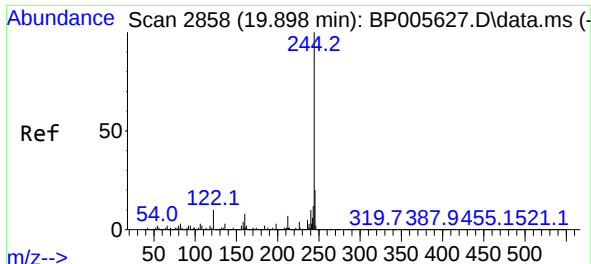
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#78
Pyrene
Concen: 29.960 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:202 Resp: 2033706
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.0 13.8 20.6





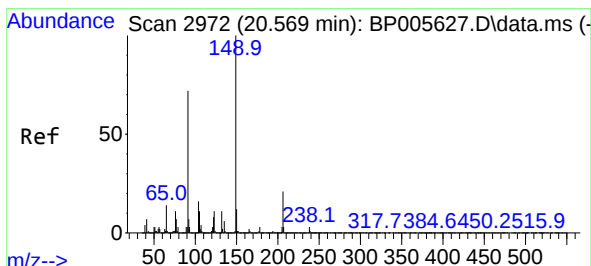
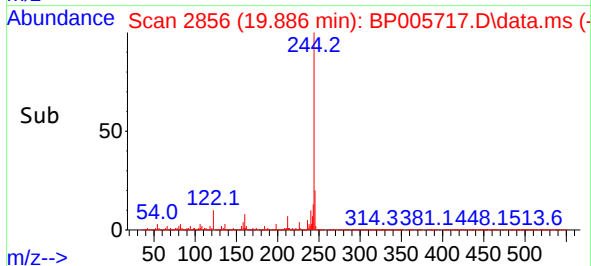
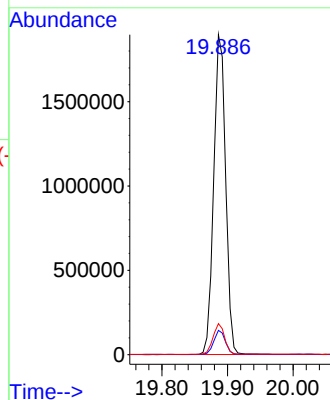
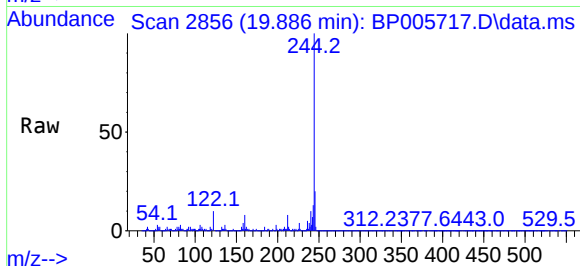
#79
Terphenyl-d14
Concen: 46.634 ng
RT: 19.886 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:244 Resp: 2390842
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.7 5.2 7.8#

Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

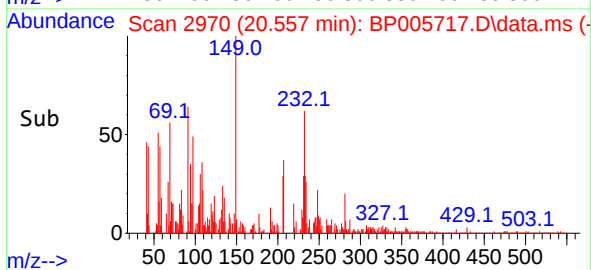
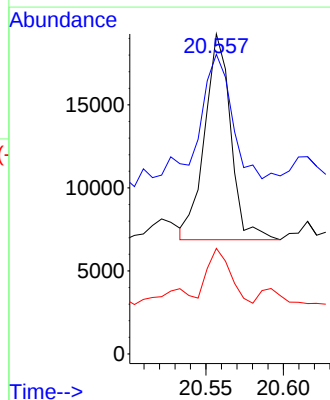
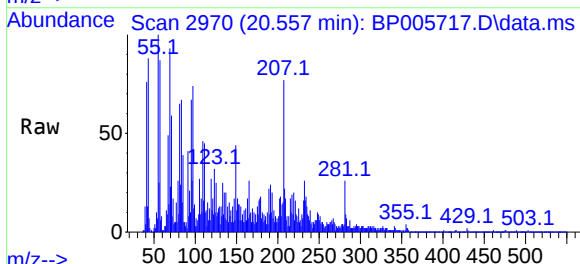
Manual Integrations
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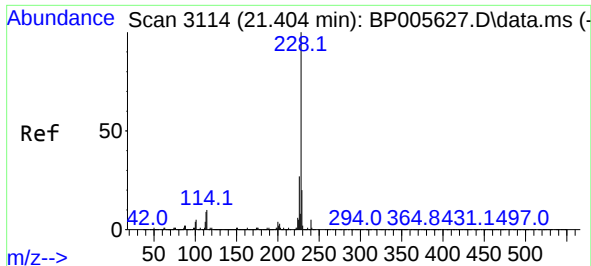
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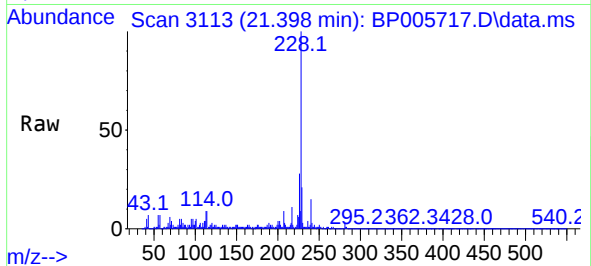
#80
Butylbenzylphthalate
Concen: 4.613 ng
RT: 20.557 min Scan# 2970
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:149 Resp: 14484
Ion Ratio Lower Upper
149 100
91 93.6 60.2 90.4#
206 33.0 23.9 35.9

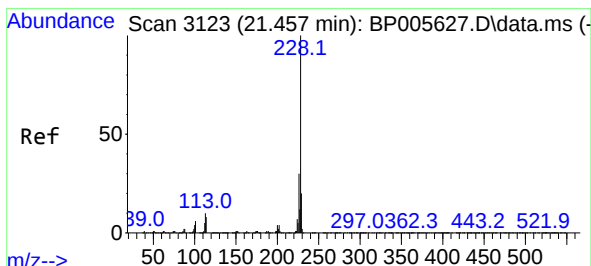
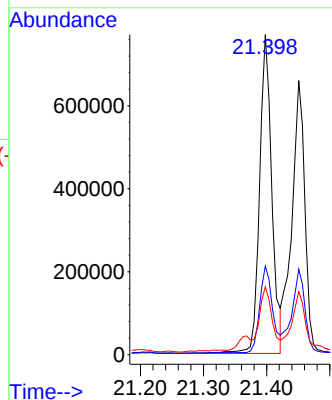
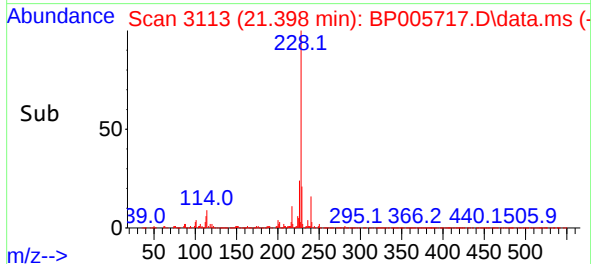




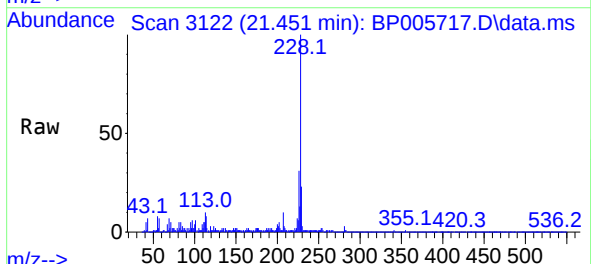
#81
Benzo(a)anthracene
Concen: 14.745 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



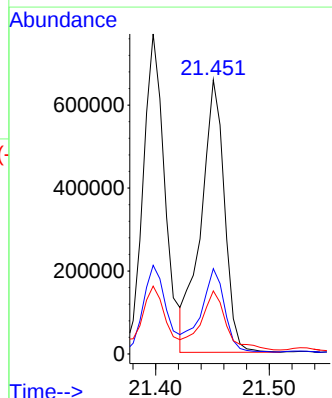
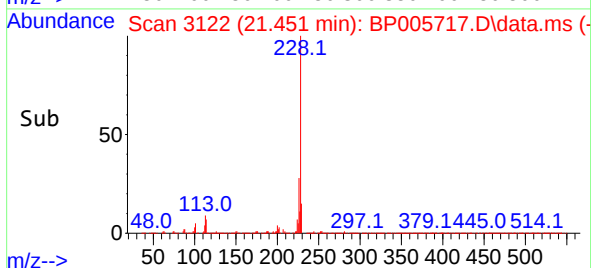
Tgt Ion:228 Resp: 1041040
Ion Ratio Lower Upper
228 100
226 27.7 21.2 31.8
229 21.2 15.6 23.4



#83
Chrysene
Concen: 13.834 ng
RT: 21.451 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



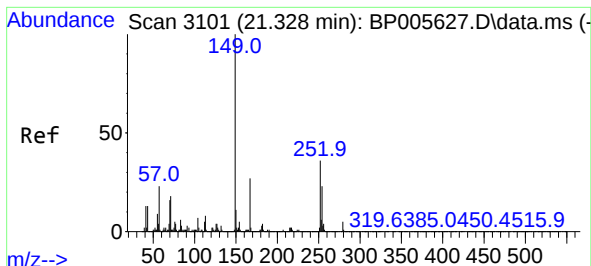
Tgt Ion:228 Resp: 945789
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 23.0 15.4 23.0



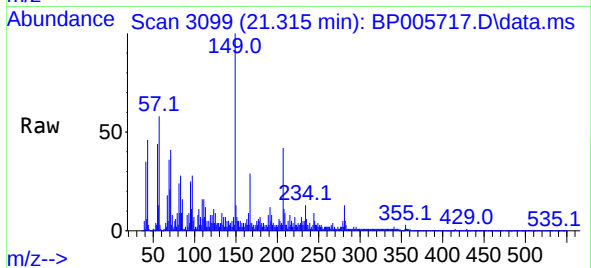
Instrument :
BNA_P
ClientSampled :
18-B8(4-6)

Manual Integrations
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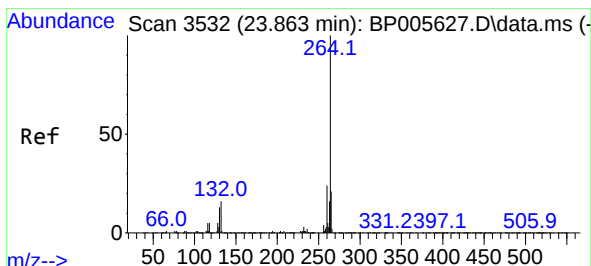
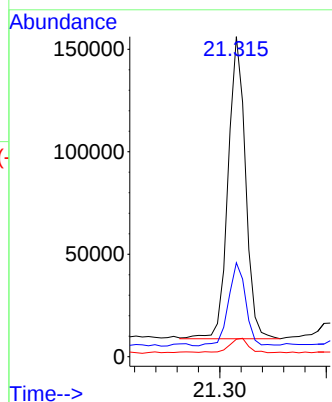
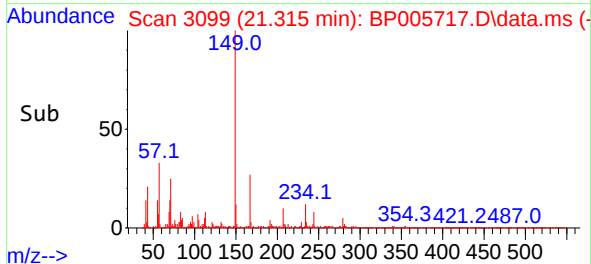
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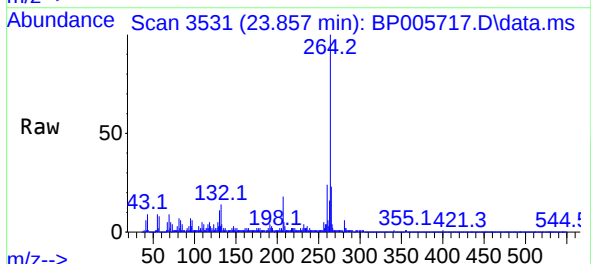
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.349 ng
RT: 21.315 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



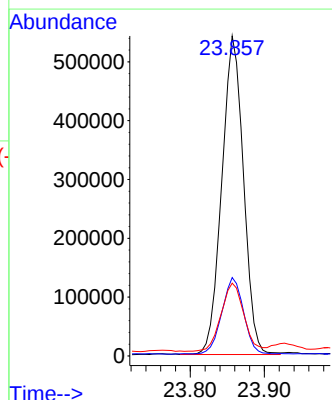
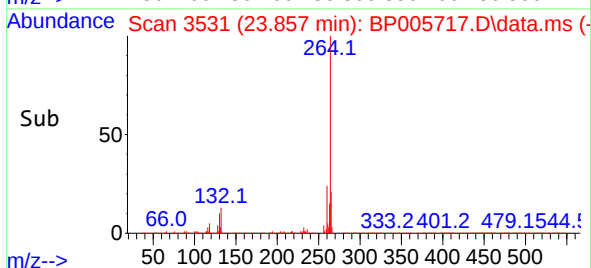
Tgt Ion:149 Resp: 166786
Ion Ratio Lower Upper
149 100
167 29.3 23.8 35.8
279 5.5 5.7 8.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.857 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17



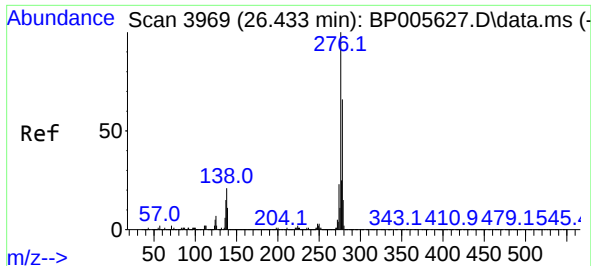
Tgt Ion:264 Resp: 1099904
Ion Ratio Lower Upper
264 100
260 24.5 20.6 30.8
265 22.8 19.0 28.6



Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

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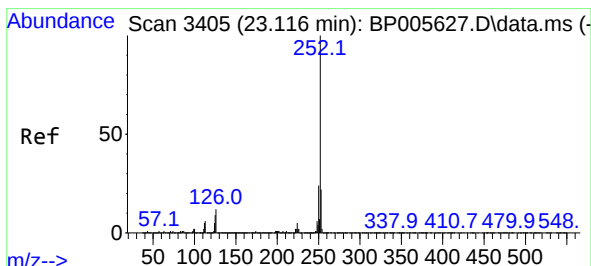
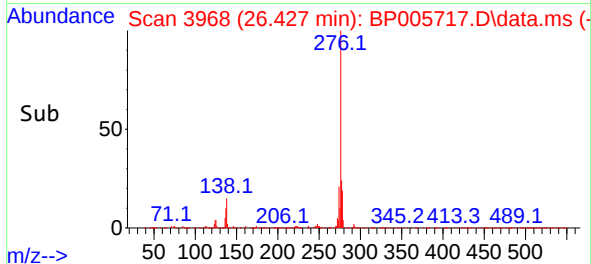
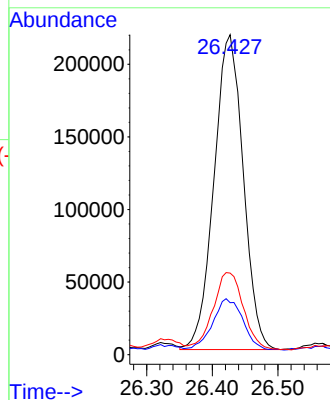
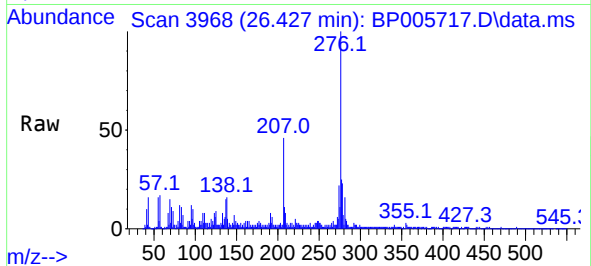
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.177 ng
RT: 26.427 min Scan# 3968
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion: 276 Resp: 671636
Ion Ratio Lower Upper
276 100
138 16.9 8.4 12.6#
277 25.6 20.6 31.0

Instrument :
BNA_P
ClientSampled :
18-B8(4-6)

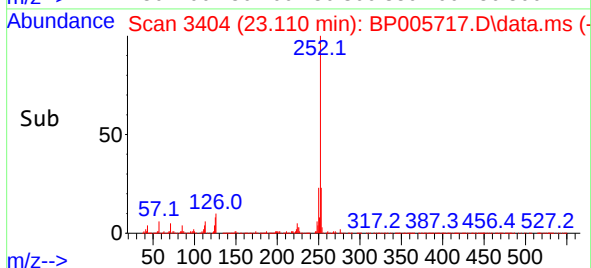
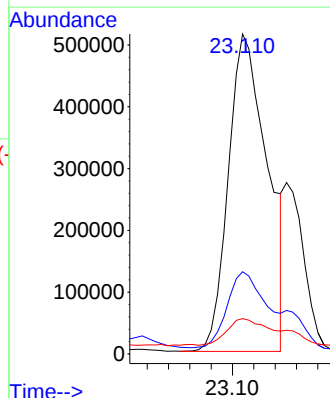
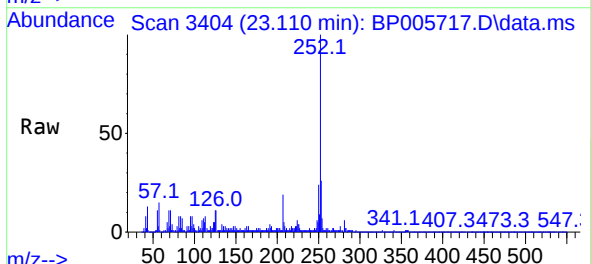
Manual Integrations
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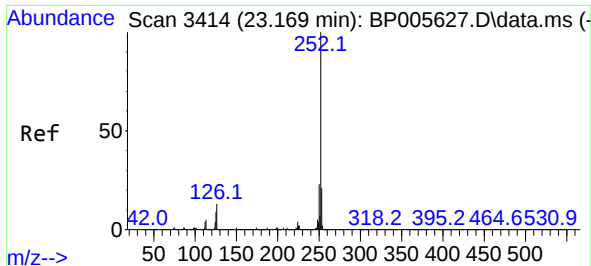
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#88
Benzo(b)fluoranthene
Concen: 16.336 ng m
RT: 23.110 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion: 252 Resp: 1303684
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 11.0 3.4 5.0#





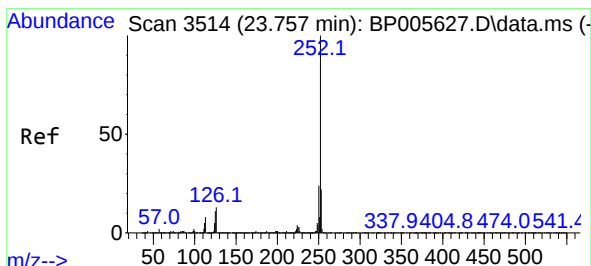
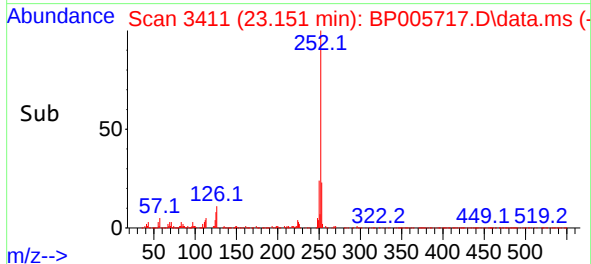
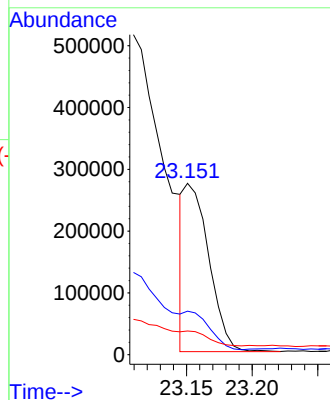
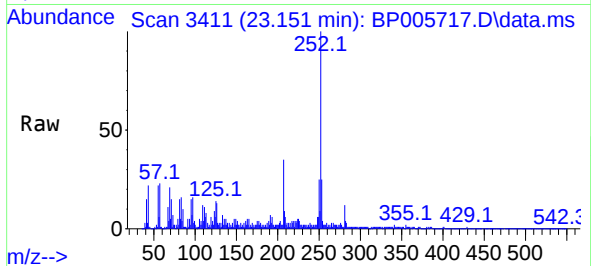
#89
Benzo(k)fluoranthene
Concen: 4.660 ng m
RT: 23.151 min Scan# 3411
Delta R.T. -0.018 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:252 Resp: 352398
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 13.8 3.8 5.6#

Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

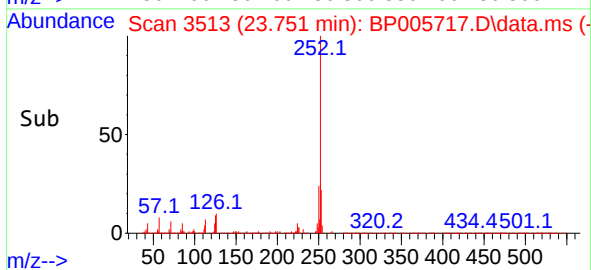
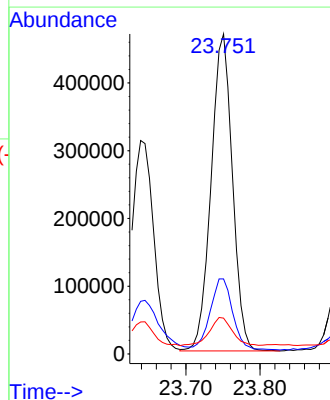
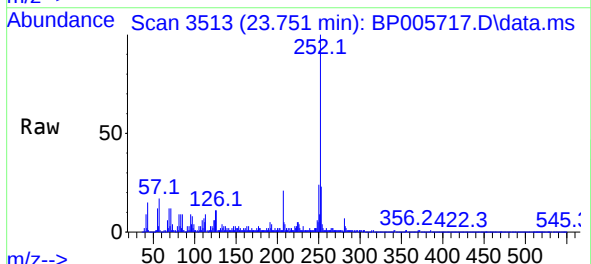
Manual Integrations
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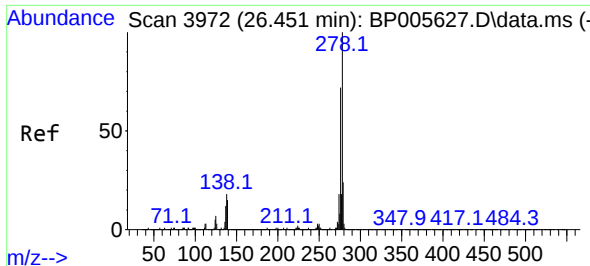
mohammad
6/7/2021 12:25:22 PM



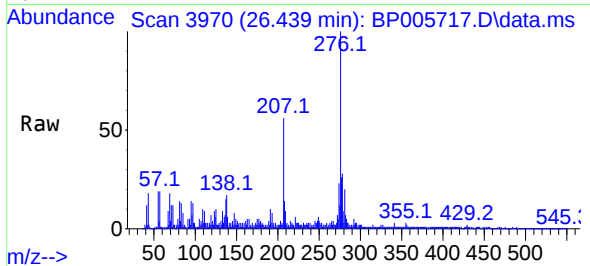
#90
Benzo(a)pyrene
Concen: 12.879 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion:252 Resp: 934995
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.2 3.8 5.6#

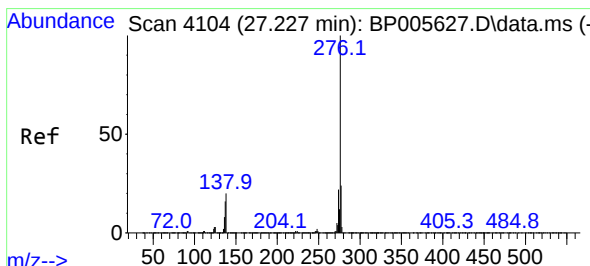
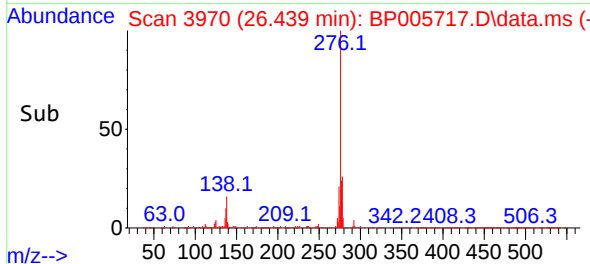
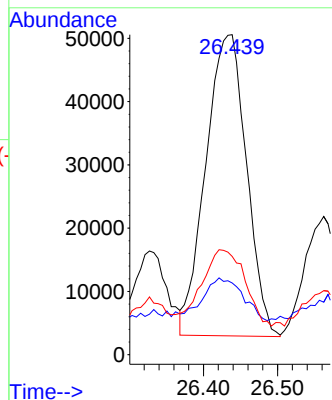




#91
Dibenzo(a,h)anthracene
Concen: 2.239 ng
RT: 26.439 min Scan# 3970
Delta R.T. -0.012 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

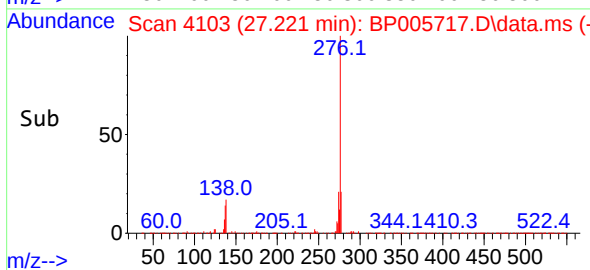
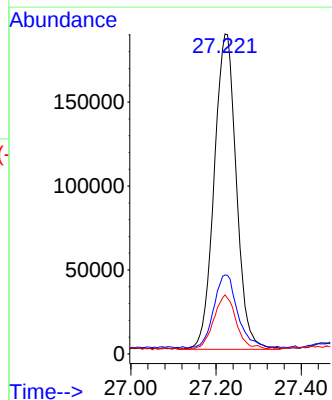
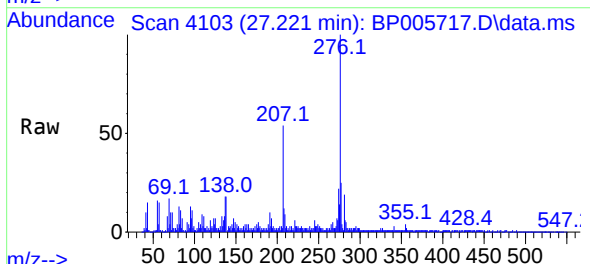


Tgt Ion: 278 Resp: 181809
Ion Ratio Lower Upper
278 100
139 27.4 5.0 7.6#
279 30.7 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 8.651 ng
RT: 27.221 min Scan# 4103
Delta R.T. -0.006 min
Lab File: BP005717.D
Acq: 04 Jun 2021 18:17

Tgt Ion: 276 Resp: 677659
Ion Ratio Lower Upper
276 100
277 24.7 19.8 29.8
138 18.5 7.7 11.5#



Instrument :
BNA_P
ClientSampleId :
18-B8(4-6)

Manual Integrations
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