

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
 Data File : BP007136.D
 Acq On : 23 Sep 2021 21:36
 Operator : CG/JU
 Sample : M3872-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-LPA-01

Manual Integrations
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Quant Time: Sep 24 01:02:21 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 11:17:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	304595	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	1161786	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	796577	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1465310	20.000	ng	# 0.00
76) Chrysene-d12	21.357	240	1469450	20.000	ng	# 0.00
86) Perylene-d12	23.763	264	1603099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1716842	94.351	ng	0.00
7) Phenol-d6	7.063	99	2118570	85.187	ng	0.00
23) Nitrobenzene-d5	9.052	82	1238551	62.084	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	953477	92.327	ng	0.00
45) 2-Fluorobiphenyl	13.151	172	3056542	54.971	ng	0.00
79) Terphenyl-d14	19.828	244	4548103	59.310	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.752	128	15221043	256.708	ng	96
37) 2-Methylnaphthalene	12.363	142	10410405	250.745	ng	99
38) 1-Methylnaphthalene	12.581	142	9765398	240.725	ng	99
46) 1,1'-Biphenyl	13.357	154	975522	16.464	ng	99
49) Acenaphthylene	14.245	152	1777801	25.149	ng	# 87
52) Acenaphthene	14.587	154	2154047	50.293	ng	99
55) Dibenzofuran	14.922	168	876251	12.262	ng	# 73
58) Fluorene	15.575	166	3494551	63.302	ng	99
66) n-Nitrosodiphenylamine	15.781	169	327198m	7.505	ng	
71) Phenanthrene	17.322	178	13795491	175.585	ng	93
72) Anthracene	17.410	178	3863054	50.261	ng	99
75) Fluoranthene	19.280	202	4851261	53.593	ng	95
78) Pyrene	19.639	202	8930471	92.631	ng	96
81) Benzo(a)anthracene	21.339	228	2753418	28.868	ng	93
83) Chrysene	21.392	228	2418811	26.534	ng	95
87) Indeno(1,2,3-cd)pyrene	26.280	276	715852	6.214	ng	98
88) Benzo(b)fluoranthene	23.033	252	1550445m	16.183	ng	
89) Benzo(k)fluoranthene	23.063	252	437431m	4.510	ng	
90) Benzo(a)pyrene	23.657	252	1956716	24.040	ng	# 98
91) Dibenzo(a,h)anthracene	26.280	278	229254	2.375	ng	# 82
92) Benzo(g,h,i)perylene	27.051	276	842732	8.944	ng	# 93

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

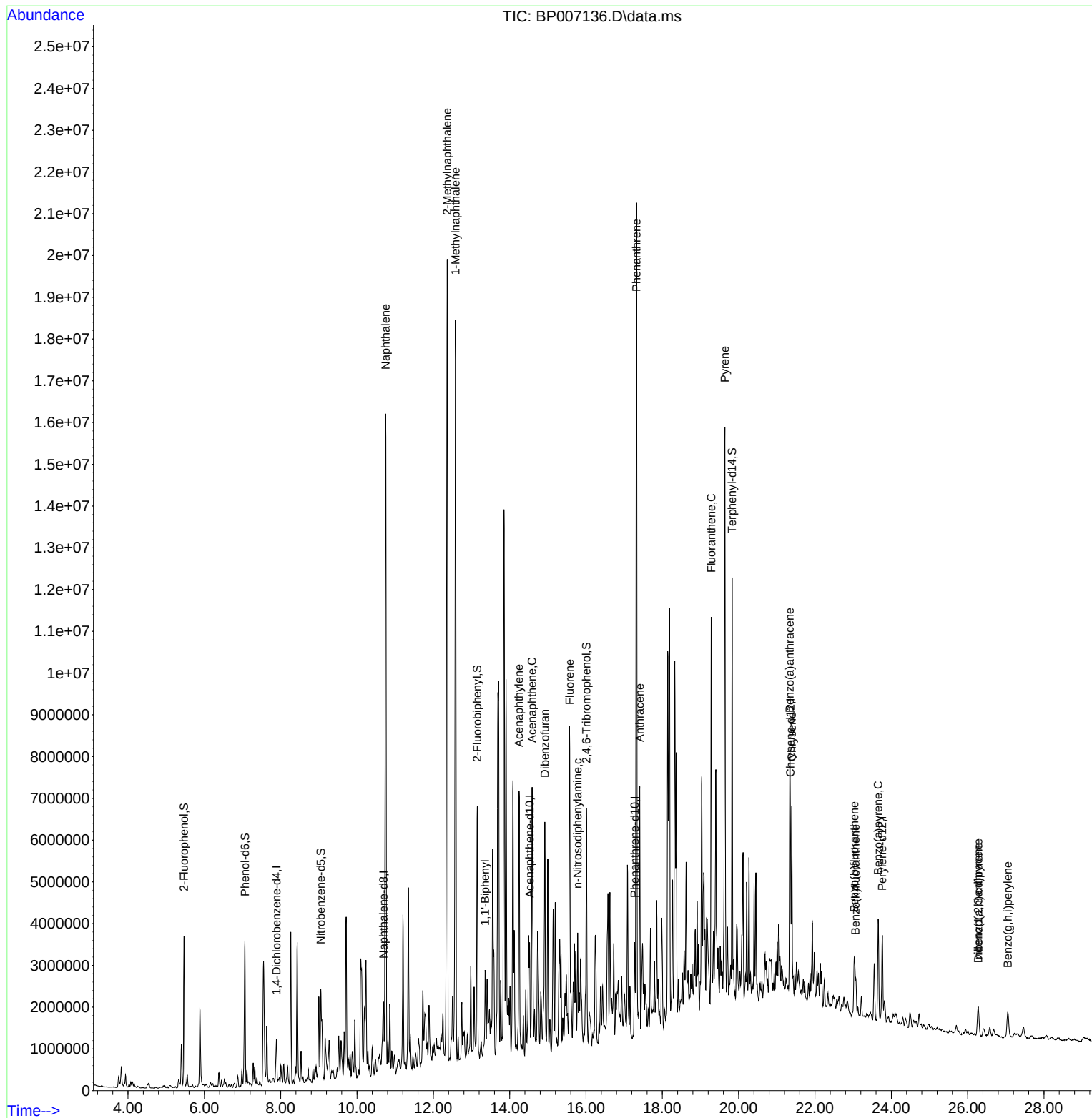
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007136.D
Acq On : 23 Sep 2021 21:36
Operator : CG/JU
Sample : M3872-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

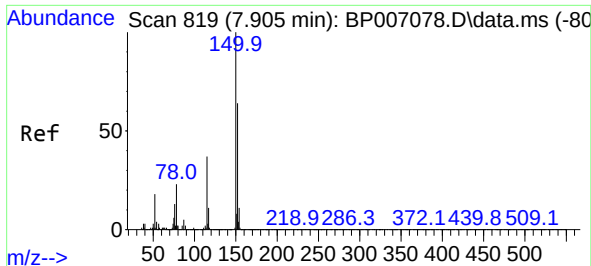
Instrument :
BNA_P
ClientSampled :
SP-LPA-01

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Quant Time: Sep 24 01:02:21 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





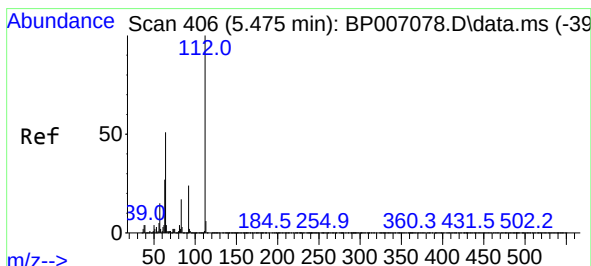
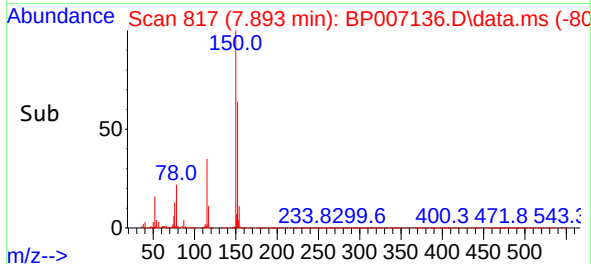
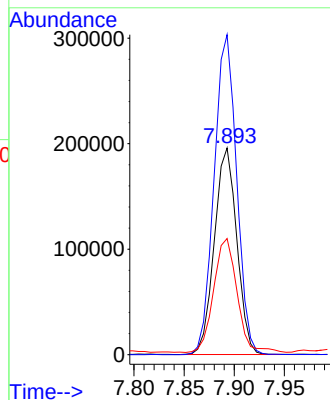
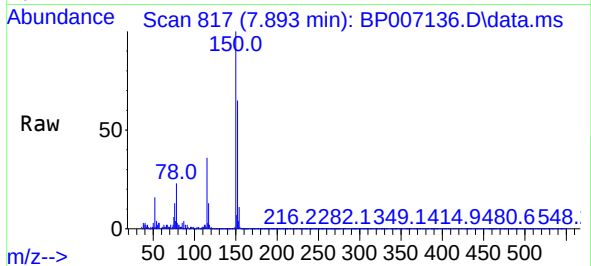
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

Tgt Ion:152 Resp: 304595
Ion Ratio Lower Upper
152 100
150 154.9 125.6 188.4
115 56.2 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

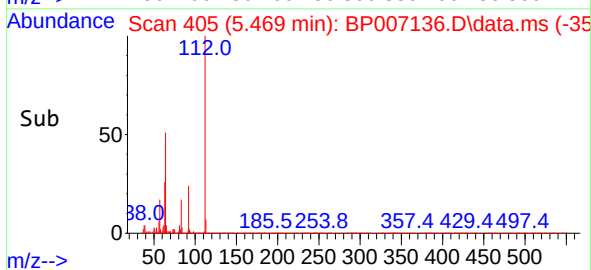
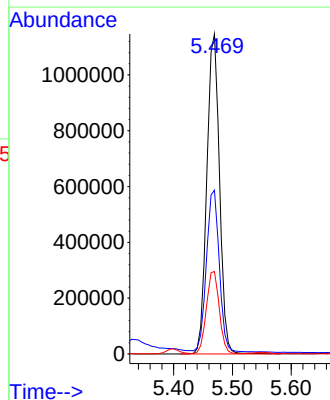
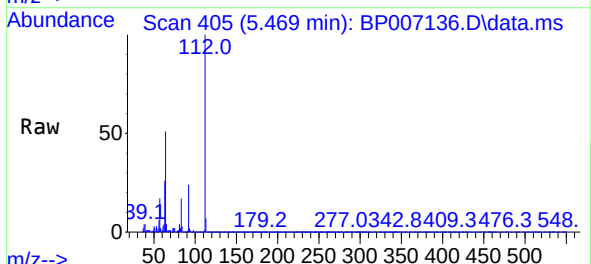
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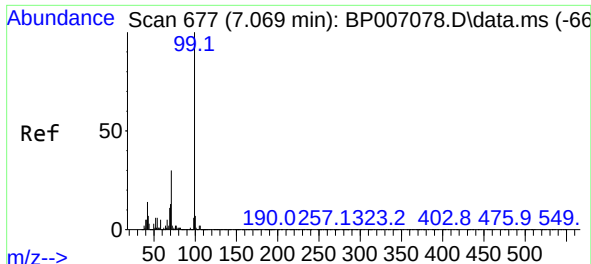
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#5
2-Fluorophenol
Concen: 94.351 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

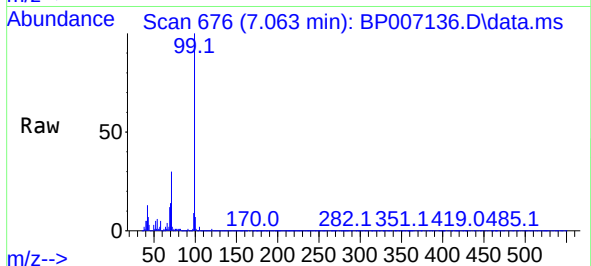
Tgt Ion:112 Resp: 1716842
Ion Ratio Lower Upper
112 100
64 51.2 41.4 62.2
63 25.7 23.8 35.8





#7
Phenol-d6
Concen: 85.187 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

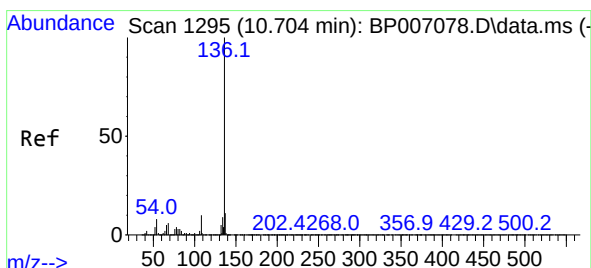
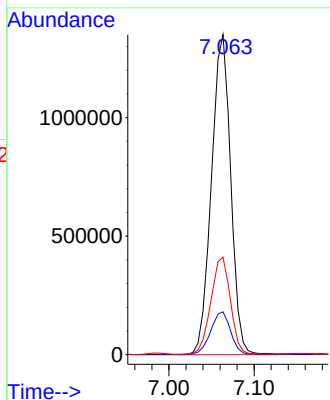
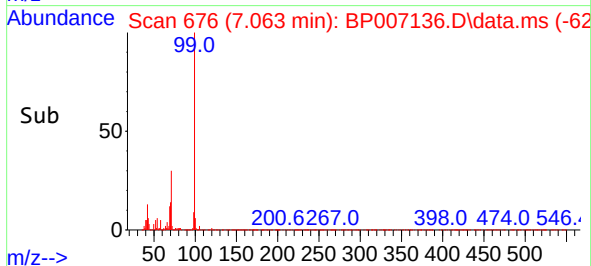
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



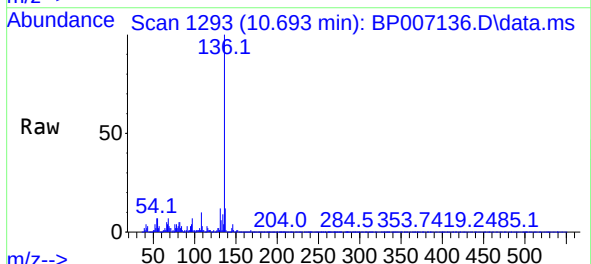
Tgt Ion: 99 Resp: 2118570
Ion Ratio Lower Upper
99 100
42 13.4 13.4 20.0
71 30.5 30.6 46.0#

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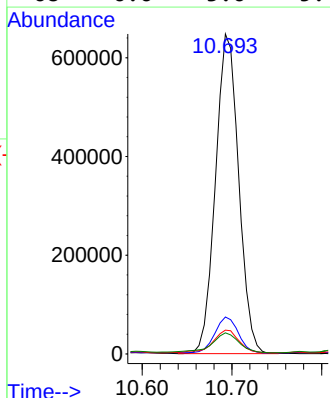
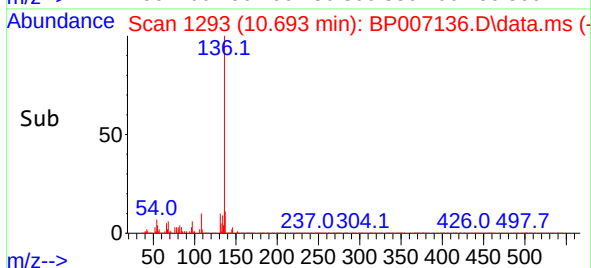
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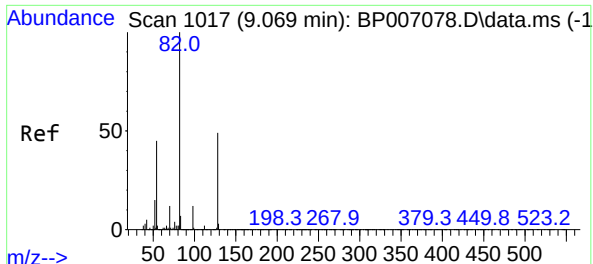


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



Tgt Ion: 136 Resp: 1161786
Ion Ratio Lower Upper
136 100
137 11.6 8.6 12.8
54 7.4 4.6 6.8#
68 6.6 3.6 5.4#





#23
Nitrobenzene-d5
Concen: 62.084 ng
RT: 9.052 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

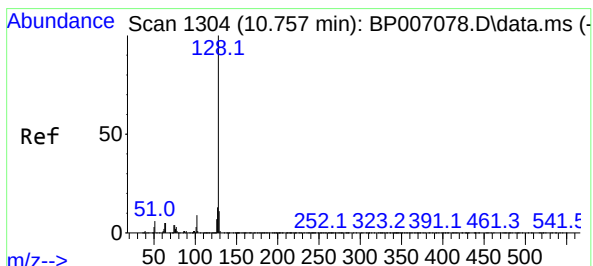
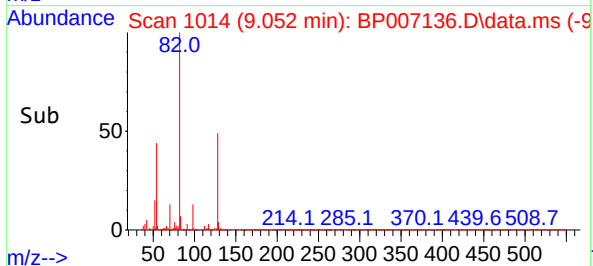
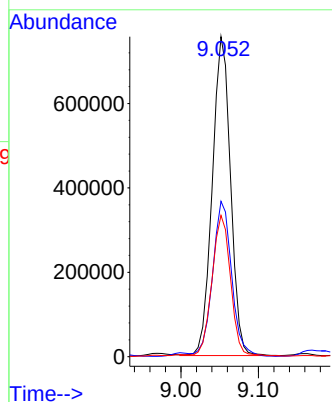
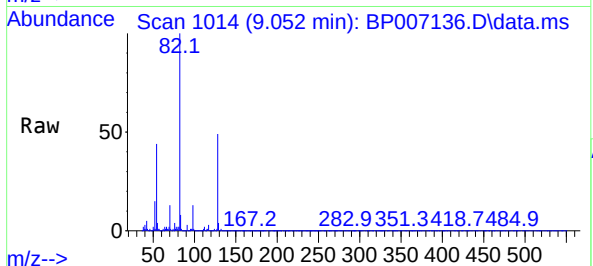
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

Tgt Ion: 82 Resp: 1238551

Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.7	53.5
54	44.1	35.0	52.4

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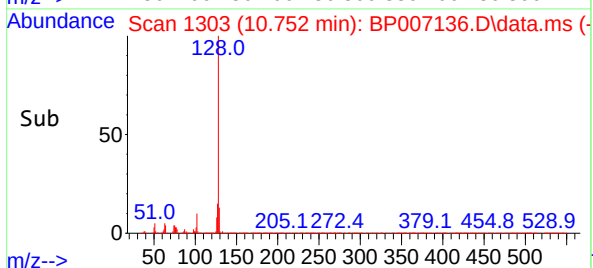
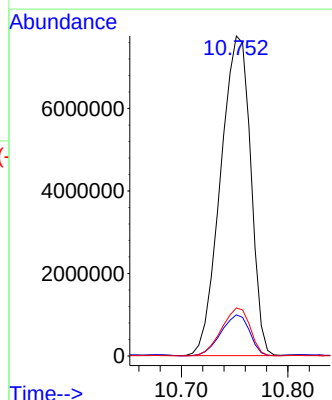
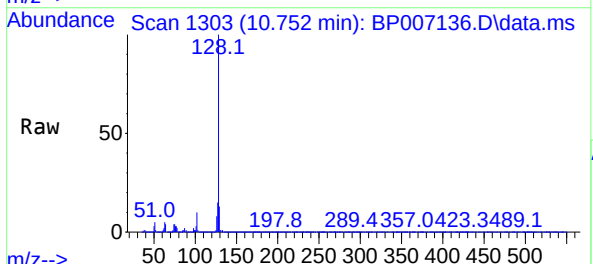
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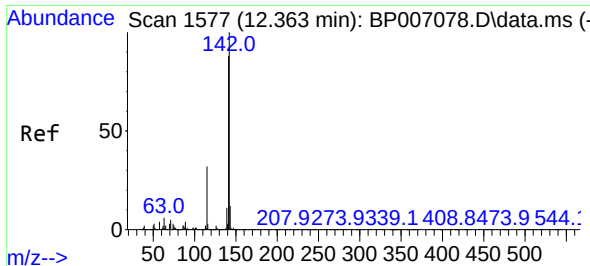


#31
Naphthalene
Concen: 256.708 ng
RT: 10.752 min Scan# 1303
Delta R.T. 0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

Tgt Ion: 128 Resp: 15221043

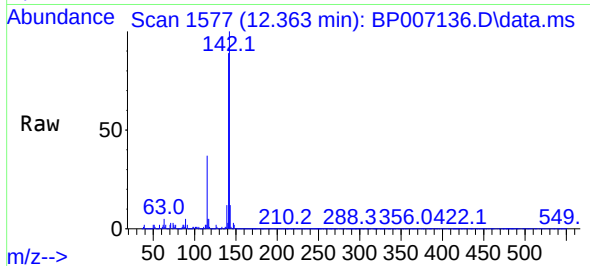
Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.0	13.6
127	15.0	10.7	16.1





#37
2-Methylnaphthalene
Concen: 250.745 ng
RT: 12.363 min Scan# 1577
Delta R.T. 0.012 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

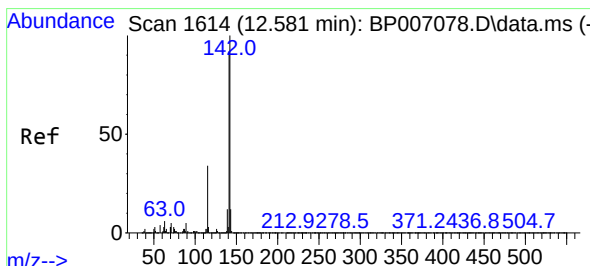
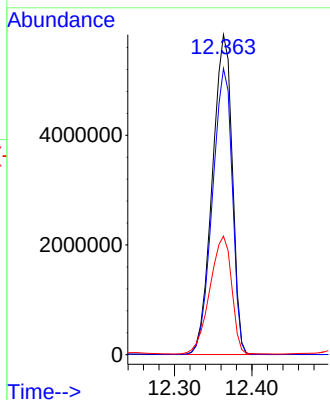
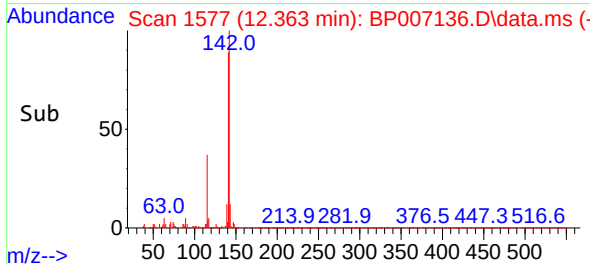
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



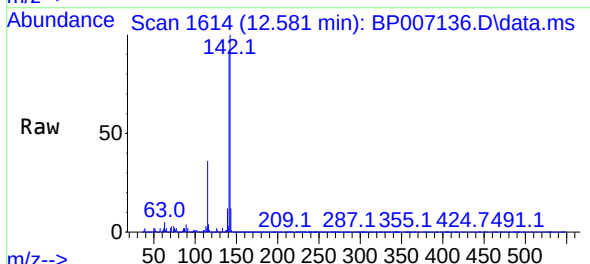
Tgt Ion:142 Resp:10410405
Ion Ratio Lower Upper
142 100
141 89.4 71.8 107.6
115 37.1 31.6 47.4

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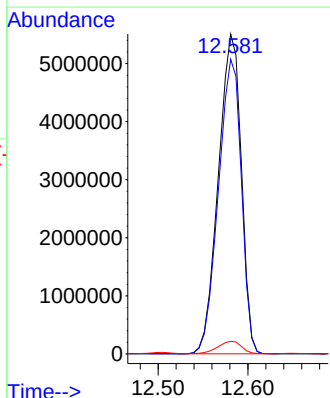
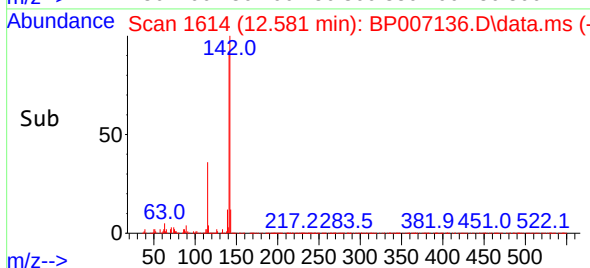
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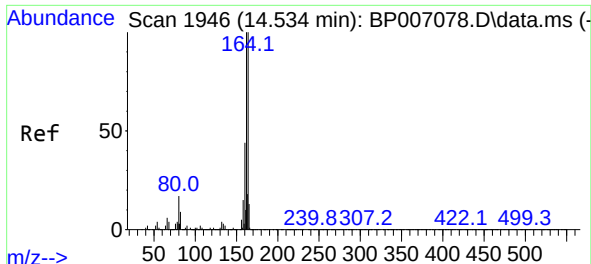


#38
1-Methylnaphthalene
Concen: 240.725 ng
RT: 12.581 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



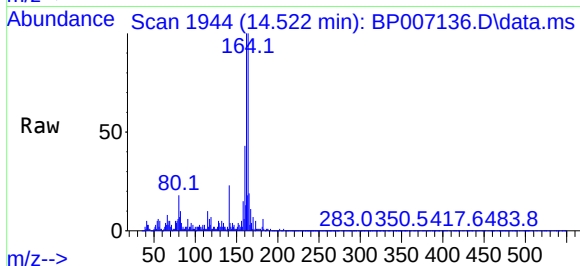
Tgt Ion:142 Resp: 9765398
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9
116 4.0 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

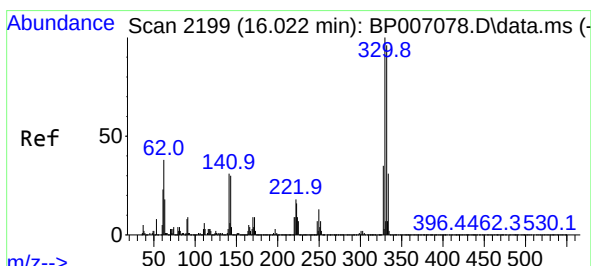
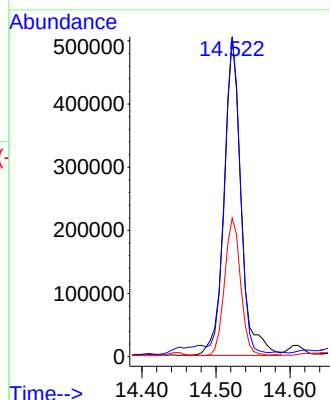
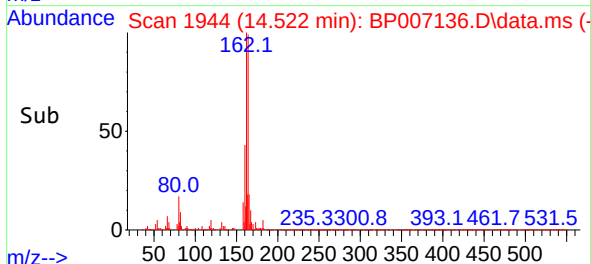
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



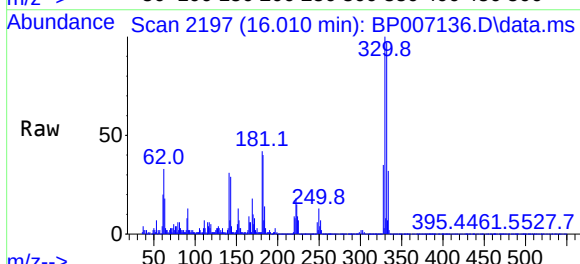
Tgt Ion:164 Resp: 796577
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 43.5 34.5 51.7

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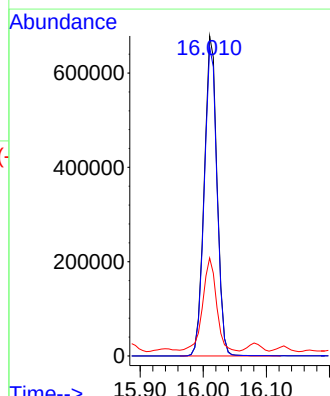
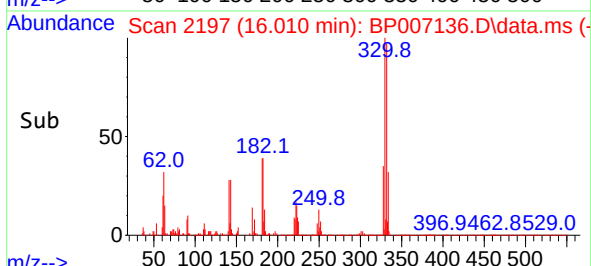
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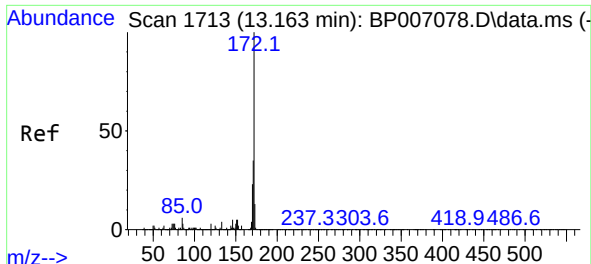


#42
2,4,6-Tribromophenol
Concen: 92.327 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



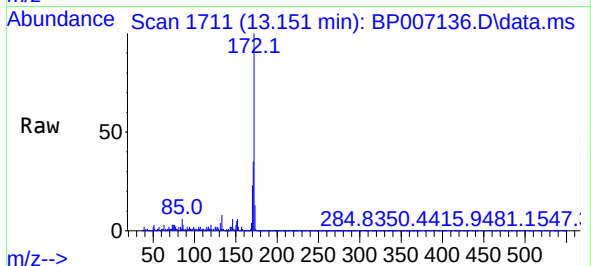
Tgt Ion:330 Resp: 953477
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 31.2 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 54.971 ng
RT: 13.151 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

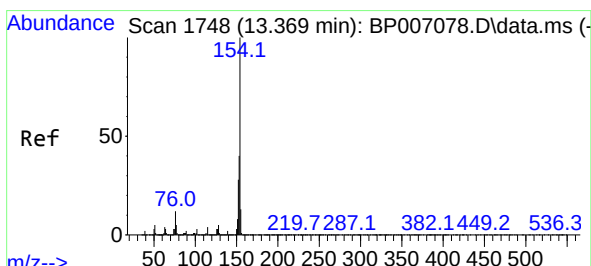
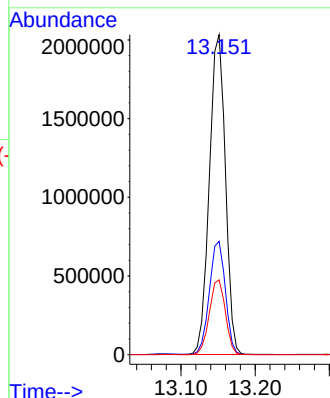
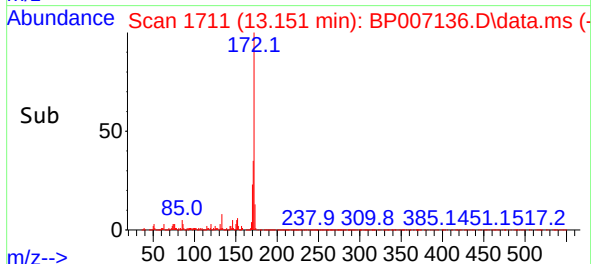
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



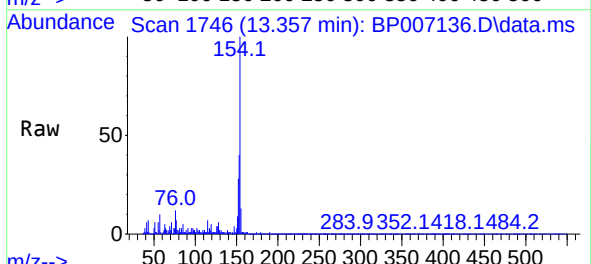
Tgt Ion:172 Resp: 3056542
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.4 18.6 27.8

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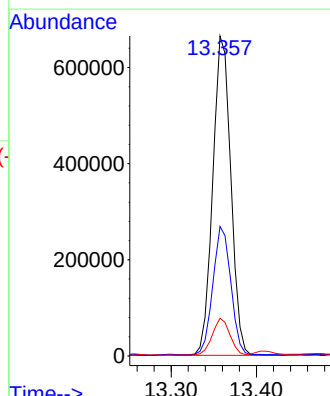
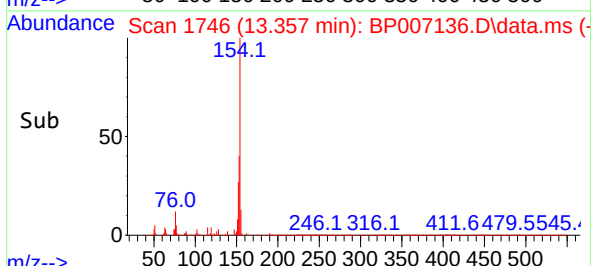
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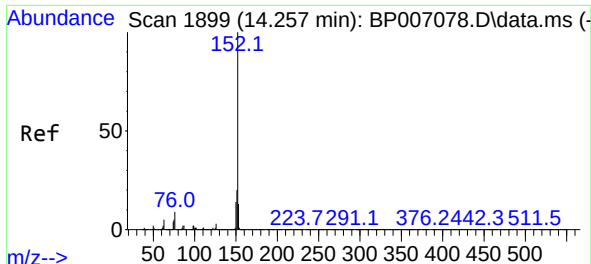


#46
1,1'-Biphenyl
Concen: 16.464 ng
RT: 13.357 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



Tgt Ion:154 Resp: 975522
Ion Ratio Lower Upper
154 100
153 40.5 20.4 60.4
76 11.8 0.0 30.8





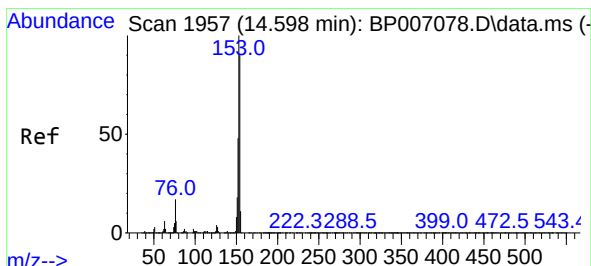
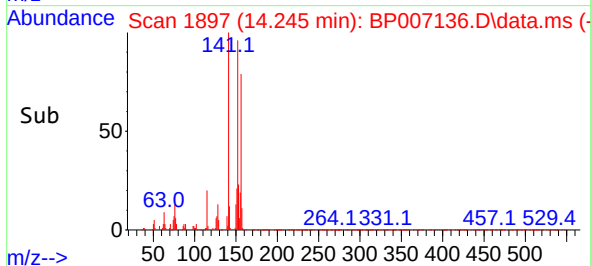
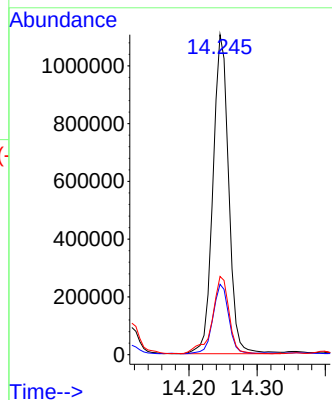
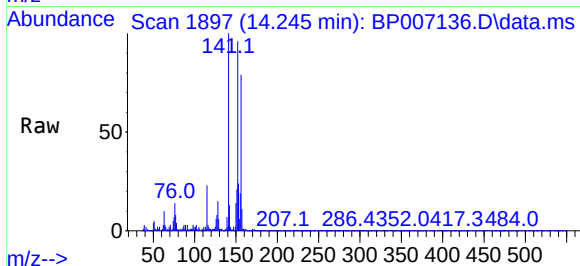
#49
Acenaphthylene
Concen: 25.149 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

Tgt Ion:152 Resp: 1777801
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 24.5 10.6 16.0#

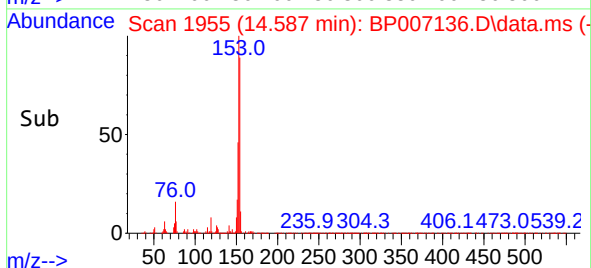
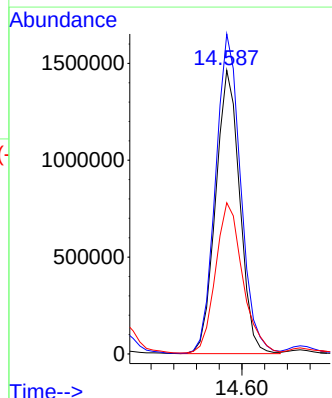
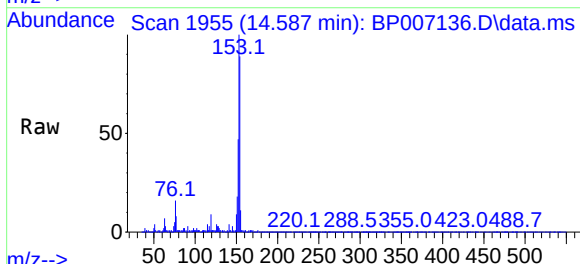
Manual Integrations
APPROVED

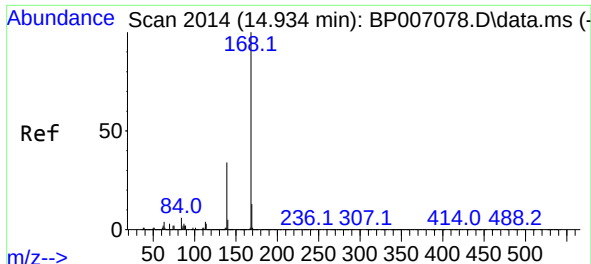
mohammad
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#52
Acenaphthene
Concen: 50.293 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

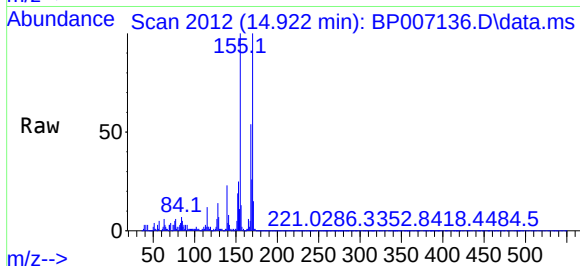
Tgt Ion:154 Resp: 2154047
Ion Ratio Lower Upper
154 100
153 112.8 89.4 134.2
152 53.3 43.0 64.4





#55
Dibenzenofuran
Concen: 12.262 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

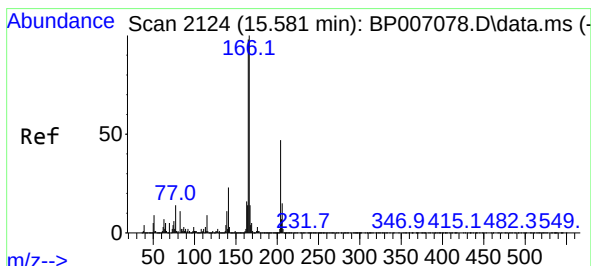
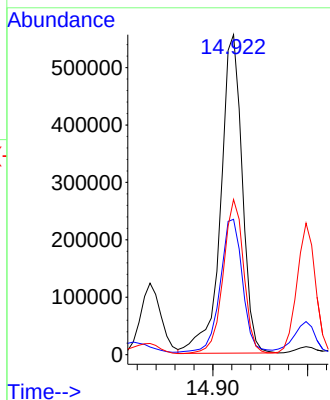
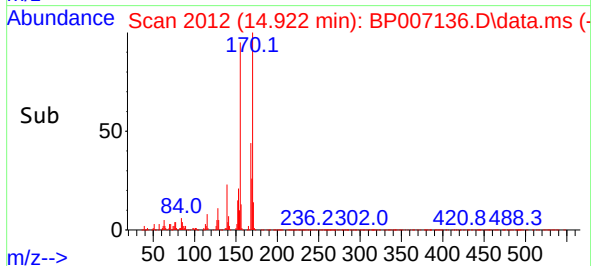
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



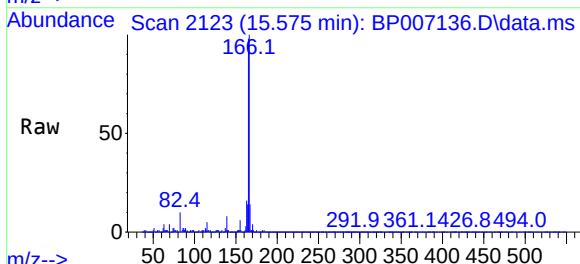
Tgt Ion:168 Resp: 876251
Ion Ratio Lower Upper
168 100
139 42.3 31.0 46.6
169 48.5 10.8 16.2#

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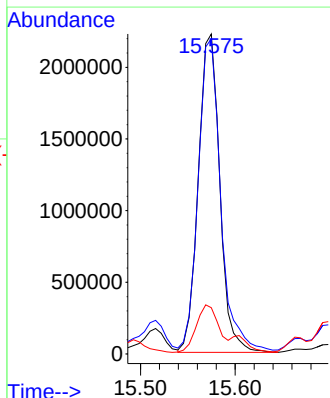
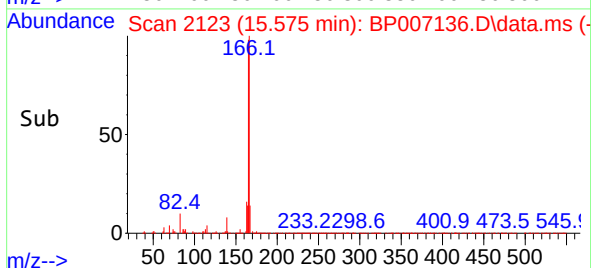
mohammad
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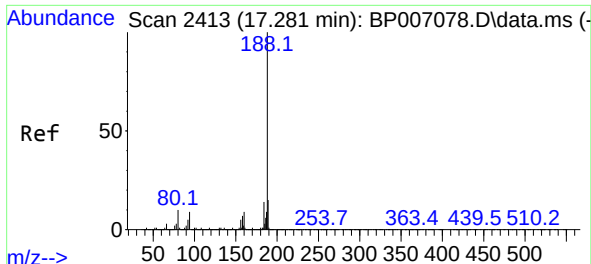


#58
Fluorene
Concen: 63.302 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



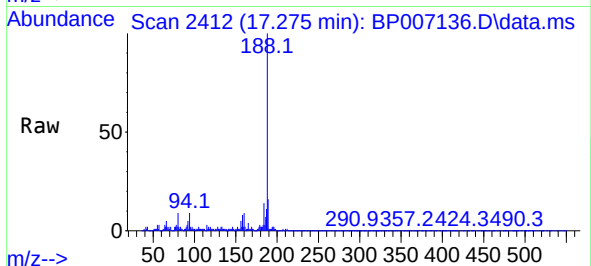
Tgt Ion:166 Resp: 3494551
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 14.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

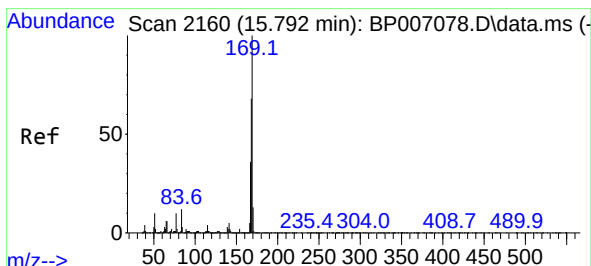
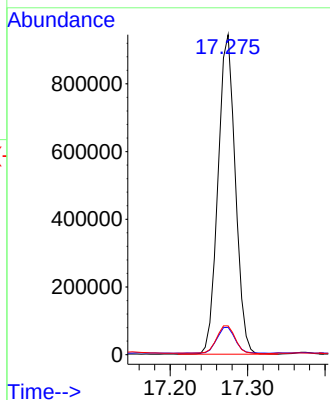
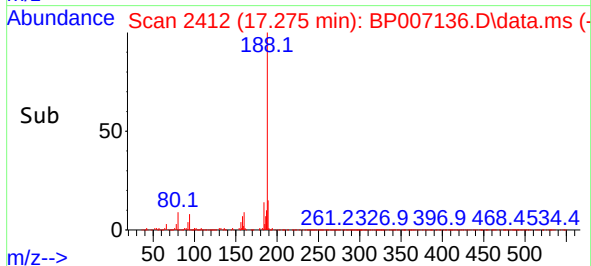
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



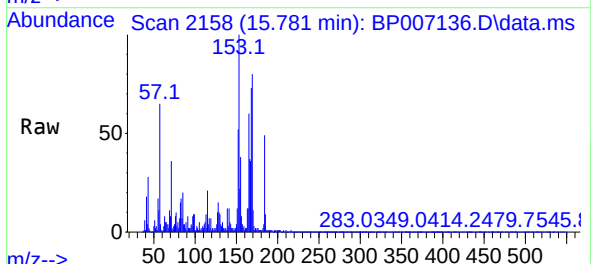
Tgt Ion:188 Resp: 1465310
Ion Ratio Lower Upper
188 100
94 8.5 5.6 8.4#
80 9.0 6.3 9.5

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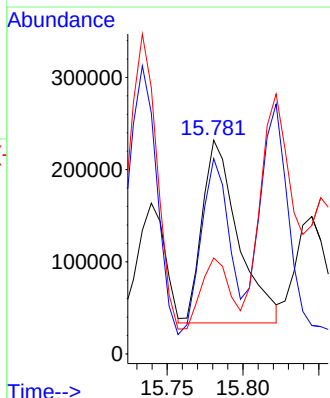
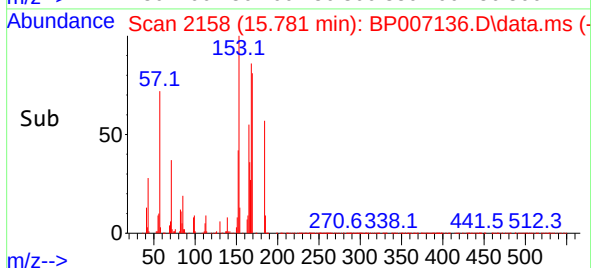
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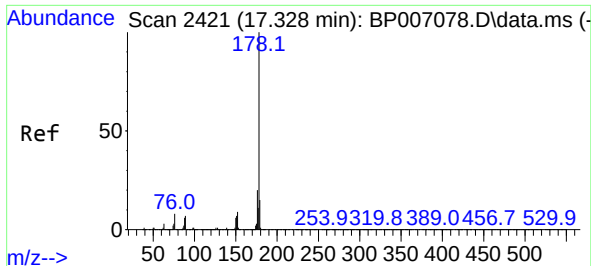


#66
n-Nitrosodiphenylamine
Concen: 7.505 ng m
RT: 15.781 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



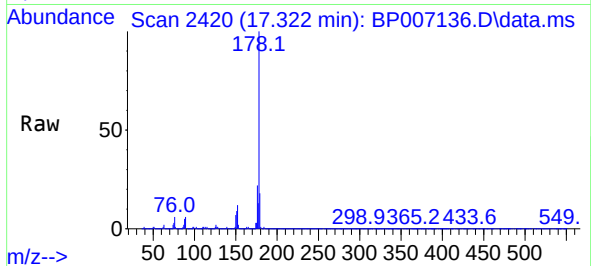
Tgt Ion:169 Resp: 327198
Ion Ratio Lower Upper
169 100
168 91.4 54.4 81.6#
167 44.9 29.0 43.6#





#71
Phenanthrene
Concen: 175.585 ng
RT: 17.322 min Scan# 2420
Delta R.T. 0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

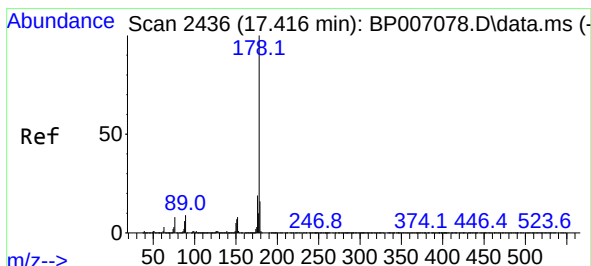
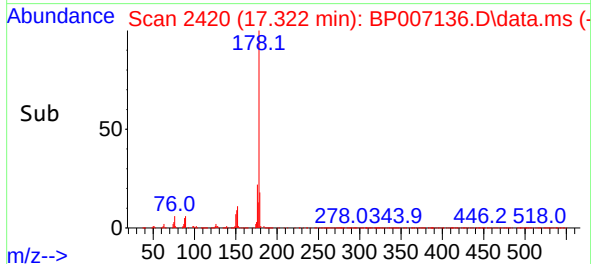
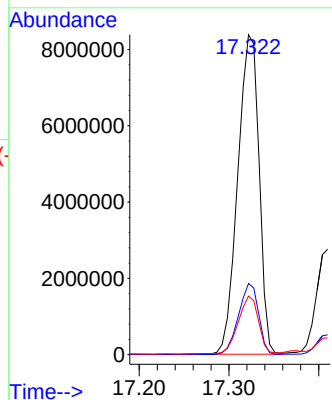
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



Tgt Ion:178 Resp:13795491
Ion Ratio Lower Upper
178 100
176 22.3 15.1 22.7
179 18.3 12.4 18.6

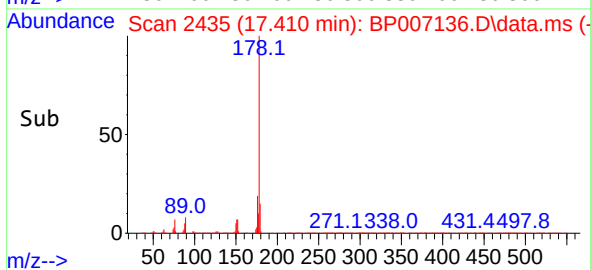
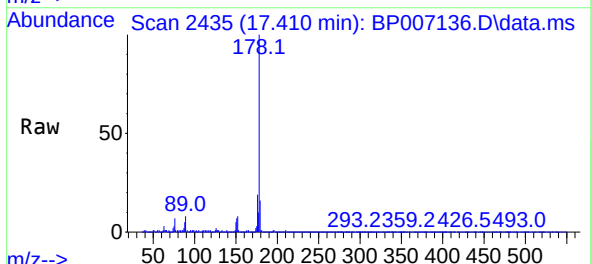
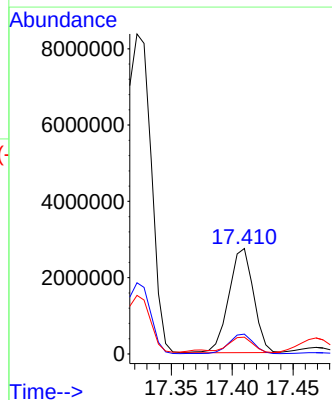
Manual Integrations
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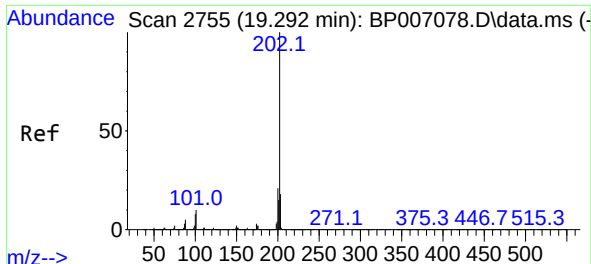
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#72
Anthracene
Concen: 50.261 ng
RT: 17.410 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

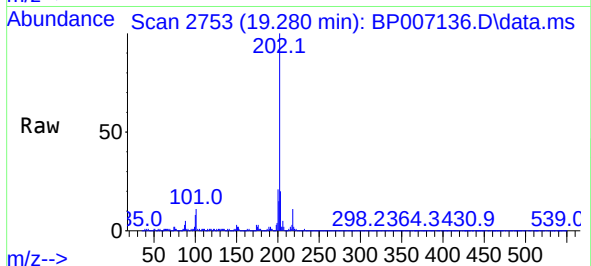
Tgt Ion:178 Resp: 3863054
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.9 12.2 18.2





#75
Fluoranthene
Concen: 53.593 ng
RT: 19.280 min Scan# 2753
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

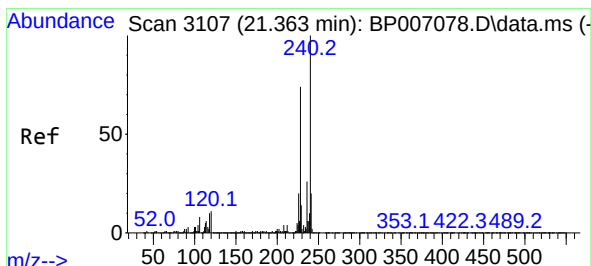
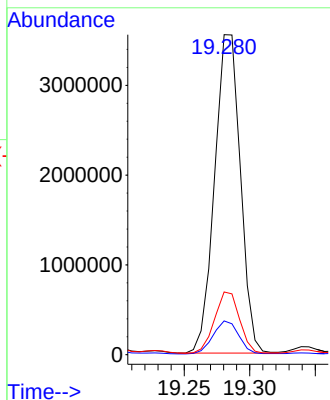
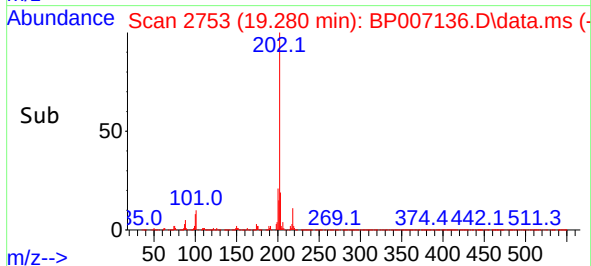
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



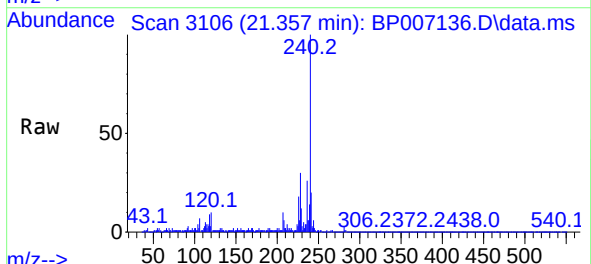
Tgt Ion:202 Resp: 4851261
Ion Ratio Lower Upper
202 100
101 10.5 0.0 27.6
203 19.6 0.0 37.8

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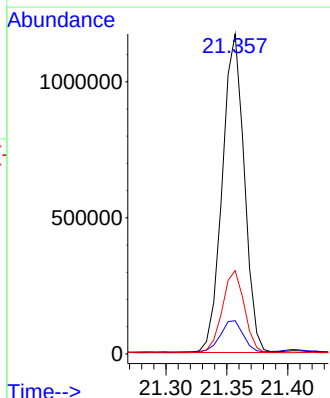
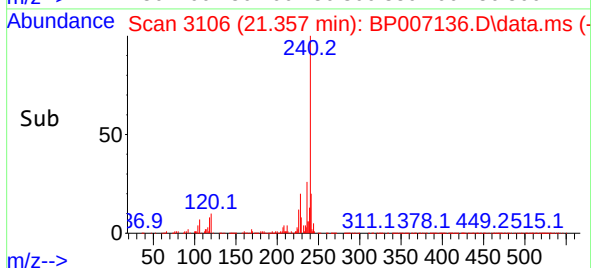
mohammad
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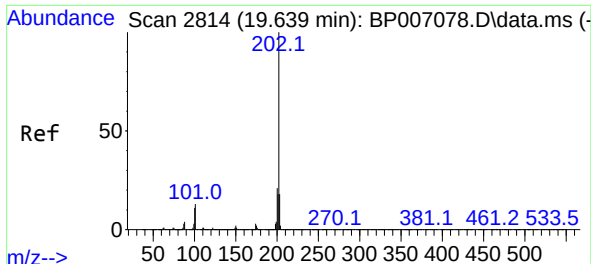


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



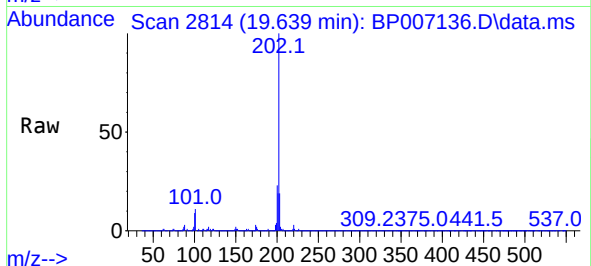
Tgt Ion:240 Resp: 1469450
Ion Ratio Lower Upper
240 100
120 10.4 6.5 9.7#
236 26.1 20.6 31.0





#78
Pyrene
Concen: 92.631 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

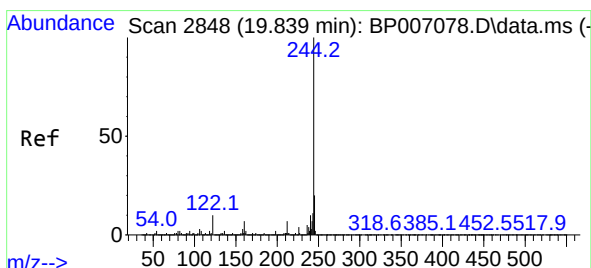
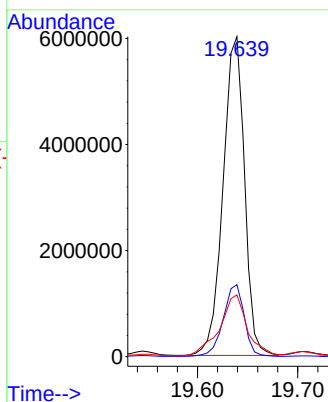
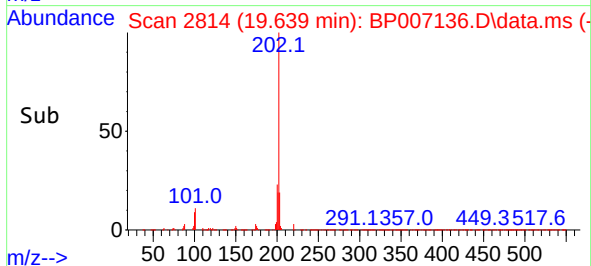
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



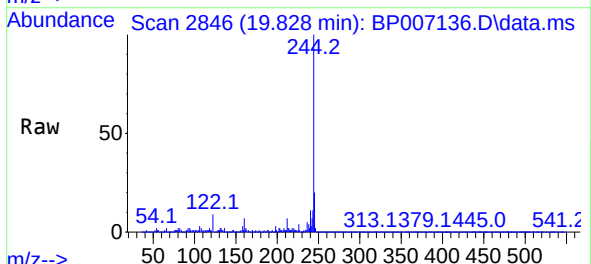
Tgt Ion:202 Resp: 8930471
Ion Ratio Lower Upper
202 100
200 22.5 16.3 24.5
203 19.3 14.2 21.2

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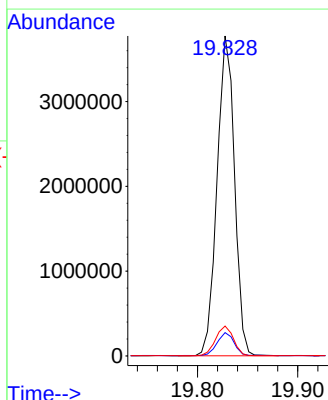
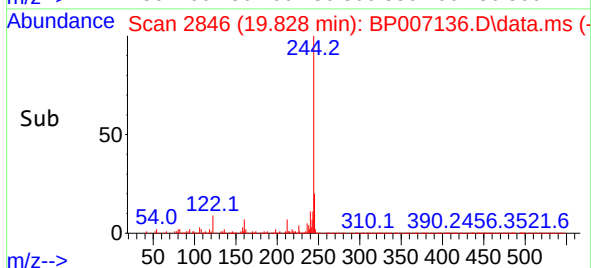
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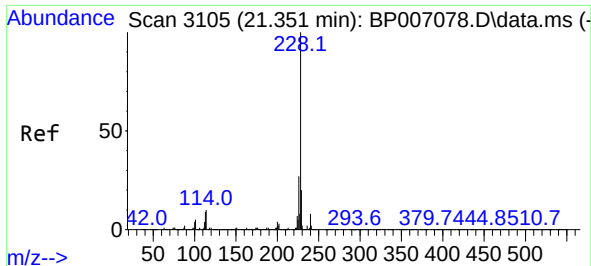


#79
Terphenyl-d14
Concen: 59.310 ng
RT: 19.828 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



Tgt Ion:244 Resp: 4548103
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.4 7.1 10.7





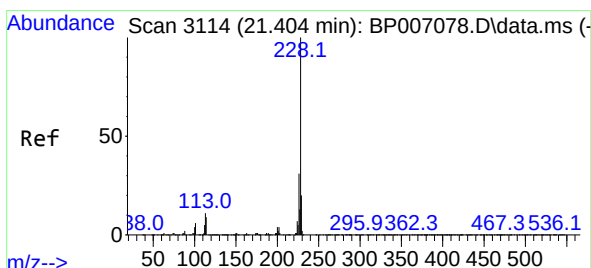
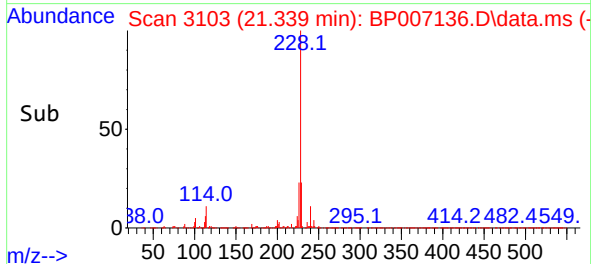
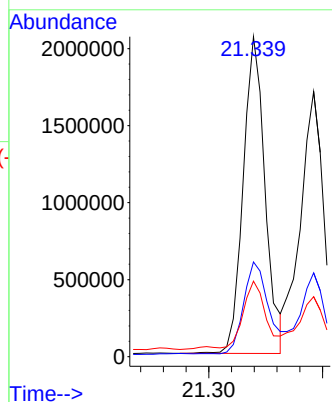
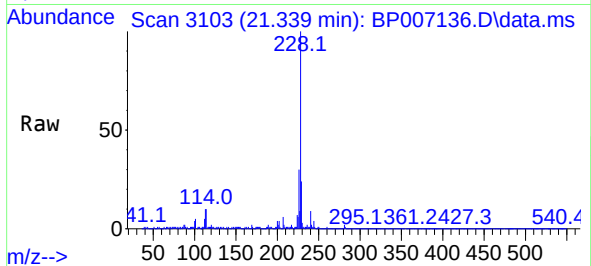
#81
Benzo(a)anthracene
Concen: 28.868 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

Tgt Ion:228 Resp: 2753418
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 23.6 15.8 23.6

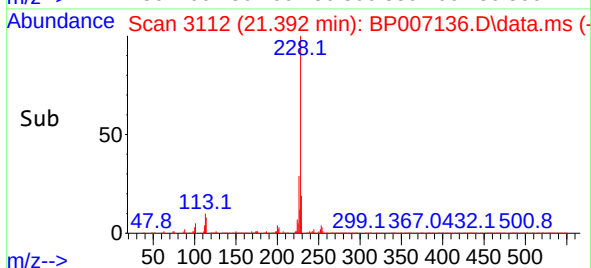
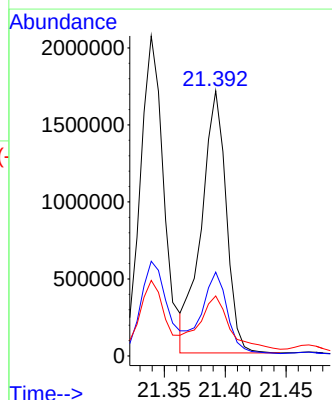
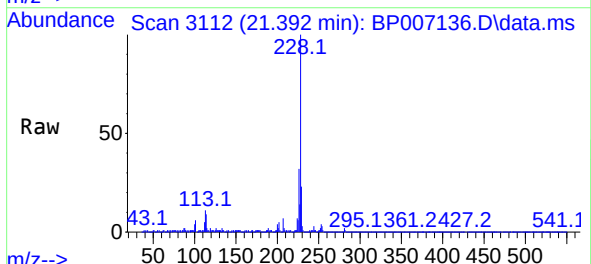
Manual Integrations
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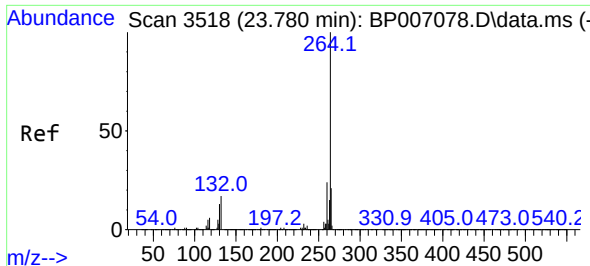
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#83
Chrysene
Concen: 26.534 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

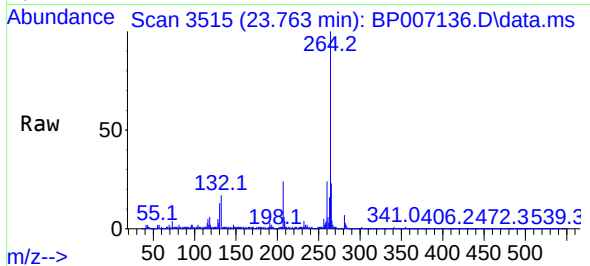
Tgt Ion:228 Resp: 2418811
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.6
229 22.7 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.763 min Scan# 3515
Delta R.T. -0.006 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

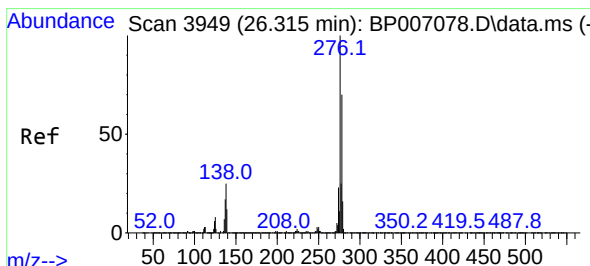
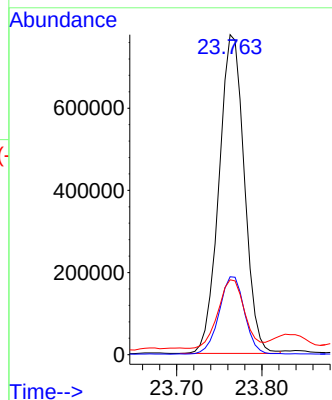
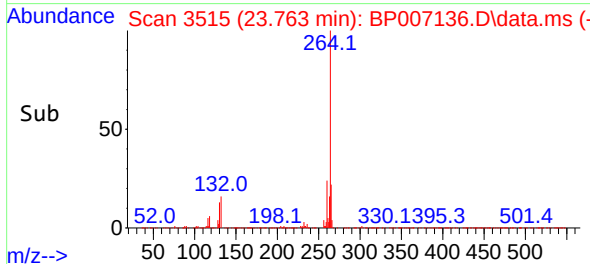


Tgt Ion:264 Resp: 1603099

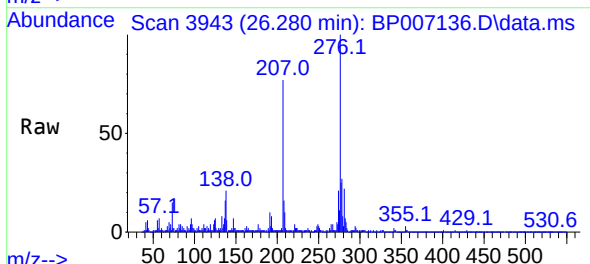
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	28.0
265	23.4	17.6	26.4

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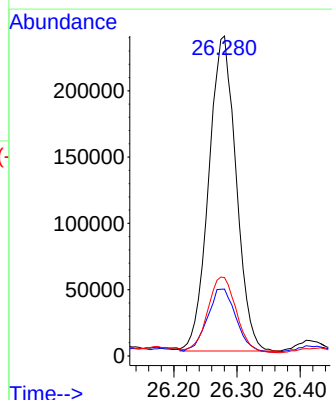
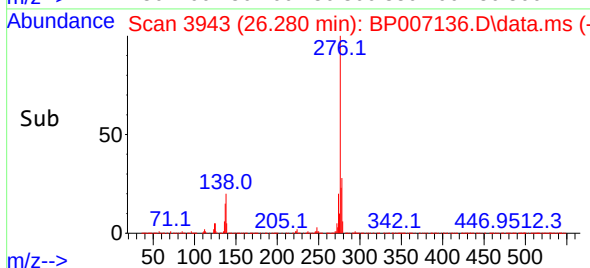


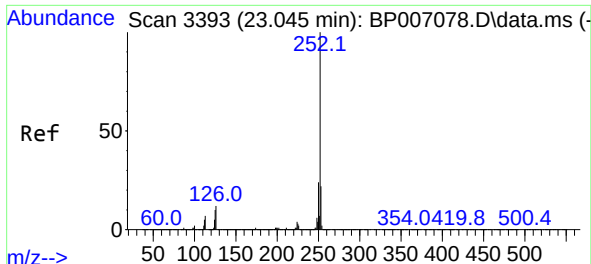
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.214 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.024 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



Tgt Ion:276 Resp: 715852

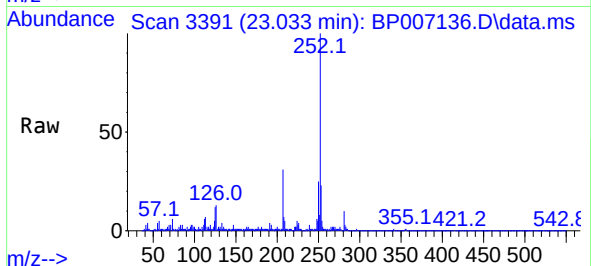
Ion	Ratio	Lower	Upper
276	100		
138	21.0	15.3	22.9
277	25.3	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 16.183 ng m
RT: 23.033 min Scan# 3391
Delta R.T. -0.000 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

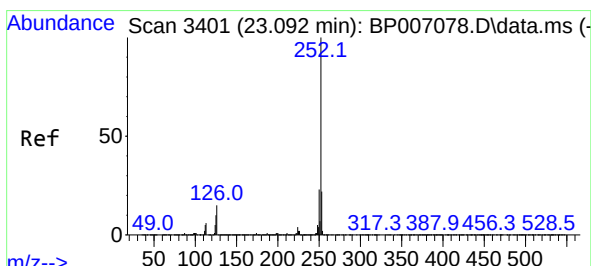
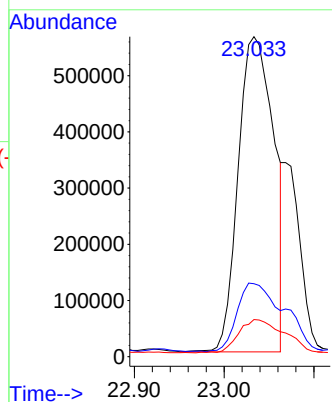
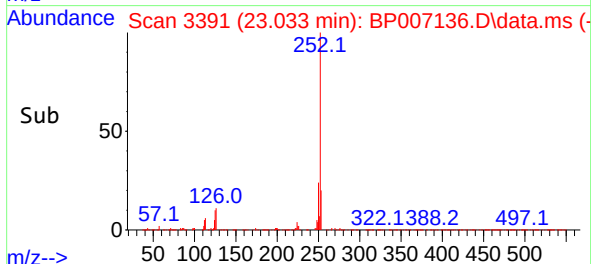
Instrument :
BNA_P
ClientSampled :
SP-LPA-01



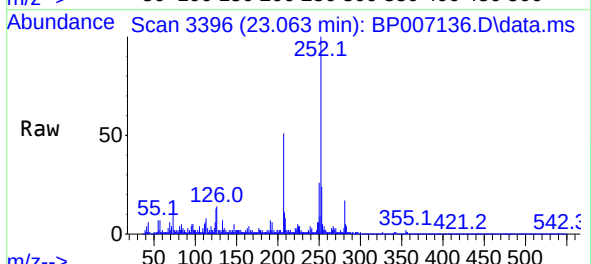
Tgt Ion:252 Resp: 1550445
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.6 6.2 9.4#

Manual Integrations
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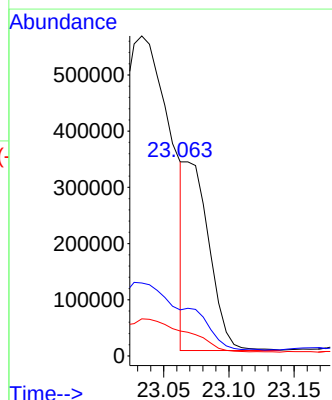
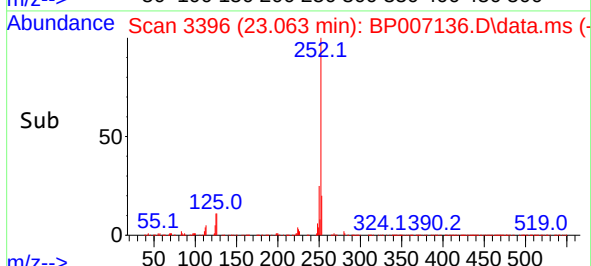
mohammad
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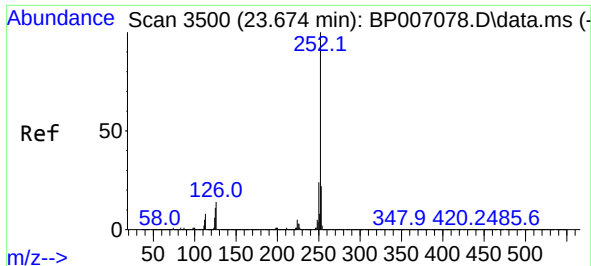


#89
Benzo(k)fluoranthene
Concen: 4.510 ng m
RT: 23.063 min Scan# 3396
Delta R.T. -0.024 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



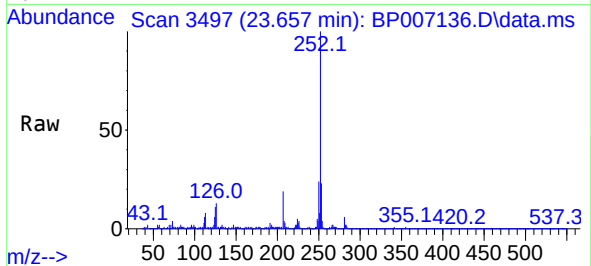
Tgt Ion:252 Resp: 437431
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.9 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 24.040 ng
RT: 23.657 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

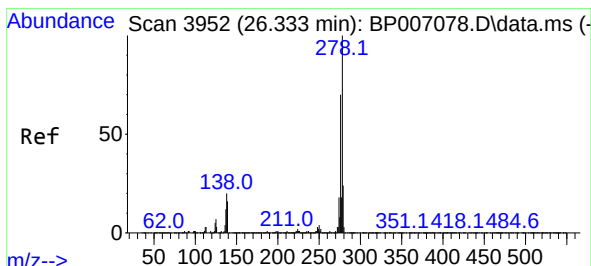
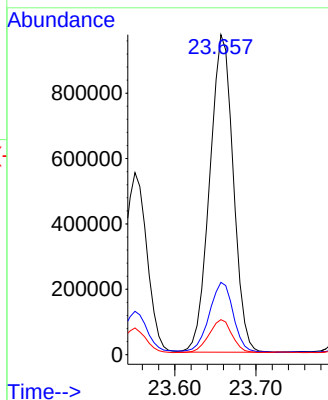
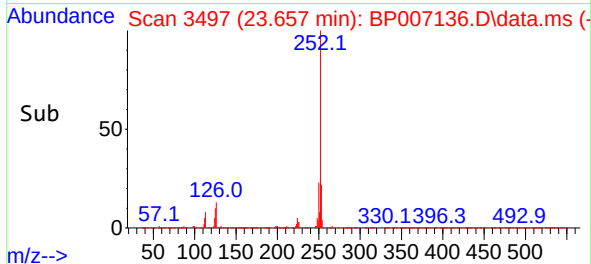
Instrument :
BNA_P
ClientSampleId :
SP-LPA-01



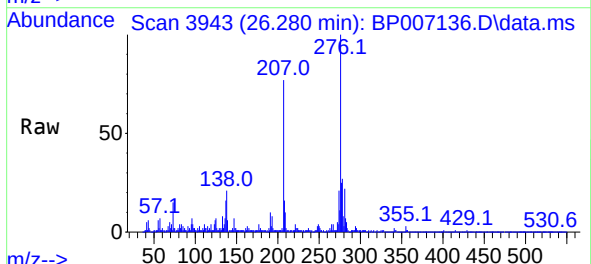
Tgt Ion:252 Resp: 1956716
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 11.0 6.5 9.7#

Manual Integrations
APPROVED

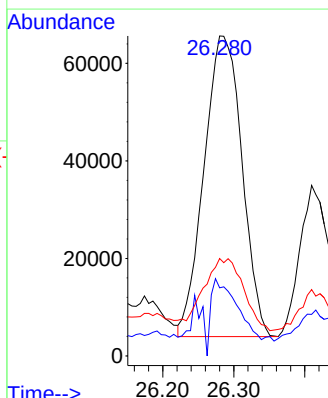
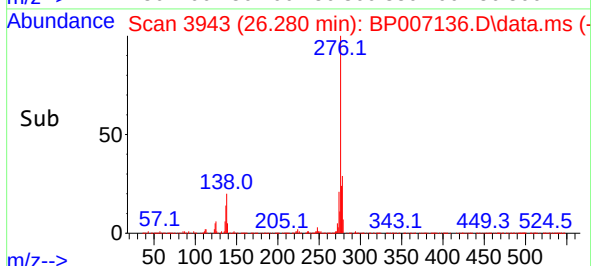
mohammad
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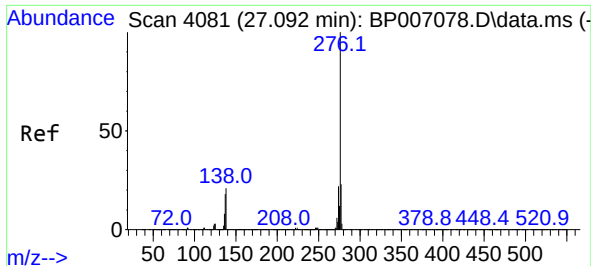


#91
Dibenzo(a,h)anthracene
Concen: 2.375 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.035 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36

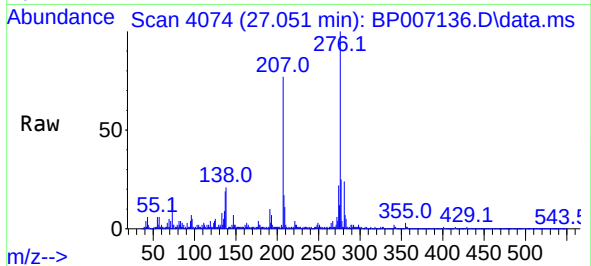


Tgt Ion:278 Resp: 229254
Ion Ratio Lower Upper
278 100
139 21.3 9.3 13.9#
279 30.5 18.8 28.2#

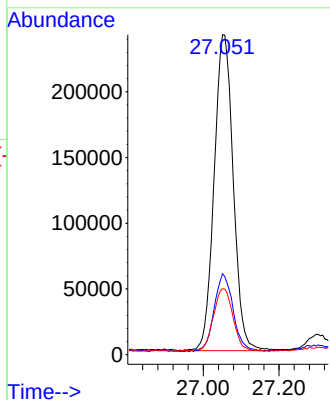
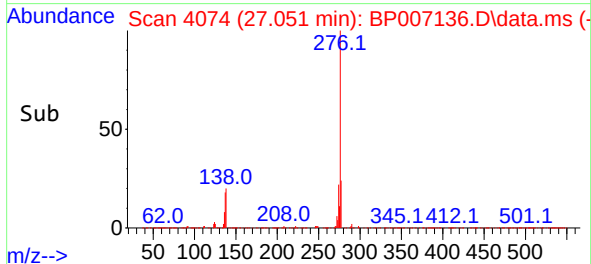




#92
Benzo(g,h,i)perylene
Concen: 8.944 ng
RT: 27.051 min Scan# 4074
Delta R.T. -0.024 min
Lab File: BP007136.D
Acq: 23 Sep 2021 21:36



Tgt Ion: 276 Resp: 842732
Ion Ratio Lower Upper
276 100
277 25.3 18.9 28.3
138 20.6 12.6 18.8#



Instrument :
BNA_P
ClientSampleId :
SP-LPA-01

Manual Integrations
APPROVED

mohammad
9/24/2021 5:31:19 PM