

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
 Data File : BP007147.D
 Acq On : 24 Sep 2021 03:50
 Operator : CG/JU
 Sample : M3838-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-092121

Manual Integrations
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mohammad
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Quant Time: Sep 24 04:41:47 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	349055	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	1365416	20.000	ng	0.00
39) Acenaphthene-d10	14.522	164	856758	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1716606	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1576400	20.000	ng	# 0.00
86) Perylene-d12	23.774	264	1752980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	548525	26.305	ng	0.00
7) Phenol-d6	7.063	99	692490	24.298	ng	0.00
23) Nitrobenzene-d5	9.052	82	392205	16.728	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	305119	27.470	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	1093598	18.287	ng	0.00
79) Terphenyl-d14	19.827	244	1506415	18.312	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.746	128	346383	4.971	ng	99
37) 2-Methylnaphthalene	12.351	142	147798	3.029	ng	96
38) 1-Methylnaphthalene	12.569	142	107160	2.248	ng	99
49) Acenaphthylene	14.245	152	390161	5.132	ng	99
52) Acenaphthene	14.587	154	254672	5.528	ng	99
55) Dibenzofuran	14.922	168	343398	4.468	ng	95
58) Fluorene	15.569	166	558443	9.405	ng	99
71) Phenanthrene	17.316	178	4203113	45.665	ng	99
72) Anthracene	17.404	178	1488124	16.527	ng	99
73) Carbazole	17.675	167	336195	3.810	ng	98
75) Fluoranthene	19.286	202	5968989	56.287	ng	98
78) Pyrene	19.633	202	5248352	50.745	ng	98
81) Benzo(a)anthracene	21.345	228	2940544	28.738	ng	95
83) Chrysene	21.398	228	2363662	24.170	ng	97
87) Indeno(1,2,3-cd)pyrene	26.298	276	1694184	13.448	ng	99
88) Benzo(b)fluoranthene	23.039	252	3274764	31.259	ng	# 95
89) Benzo(k)fluoranthene	23.080	252	1179868m	11.124	ng	
90) Benzo(a)pyrene	23.668	252	2616749	29.400	ng	# 96
91) Dibenzo(a,h)anthracene	26.309	278	452455	4.286	ng	# 84
92) Benzo(g,h,i)perylene	27.086	276	1628274	15.804	ng	# 94

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

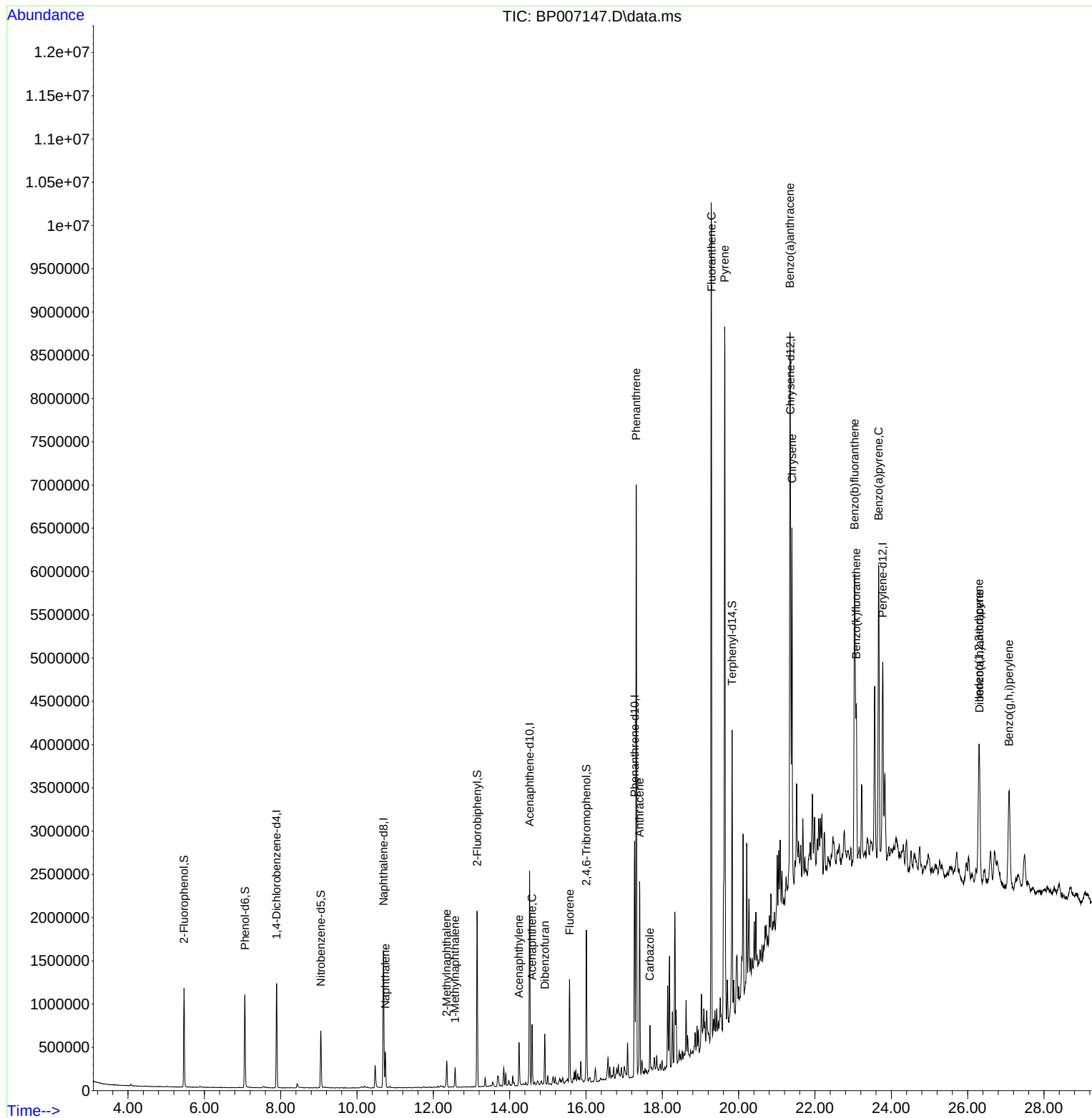
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Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

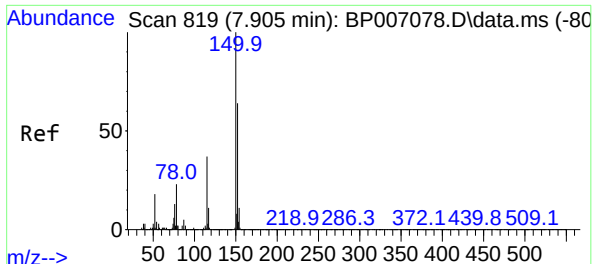
Instrument :
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ClientSampleId :
OR-02-092121

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Quant Time: Sep 24 04:41:47 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





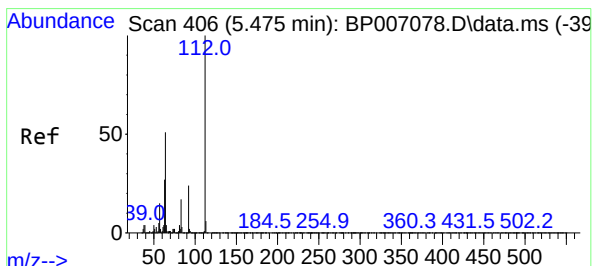
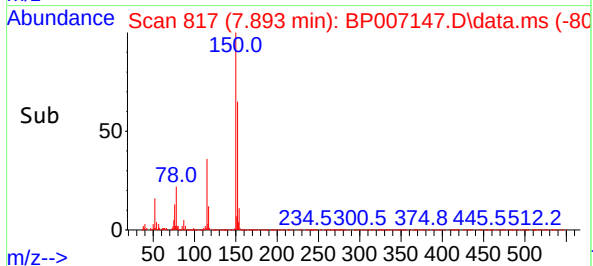
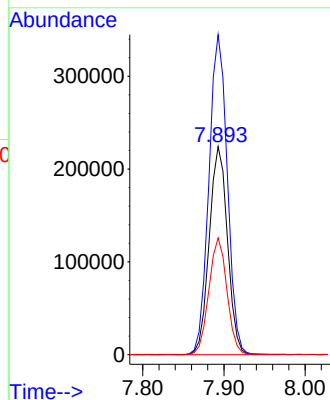
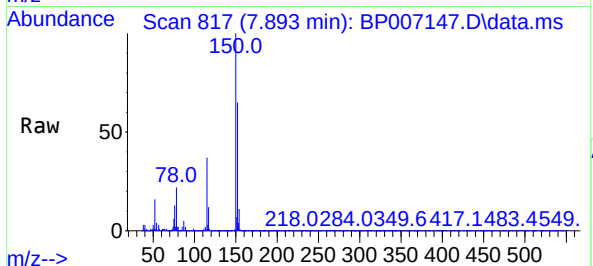
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion:152 Resp: 349055
Ion Ratio Lower Upper
152 100
150 153.8 125.6 188.4
115 56.1 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

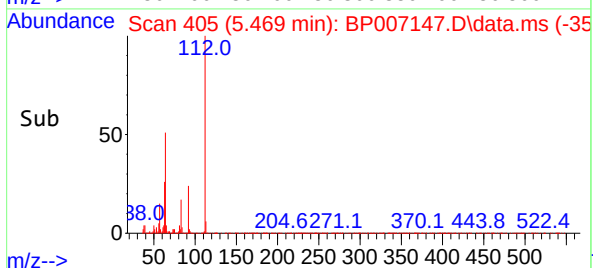
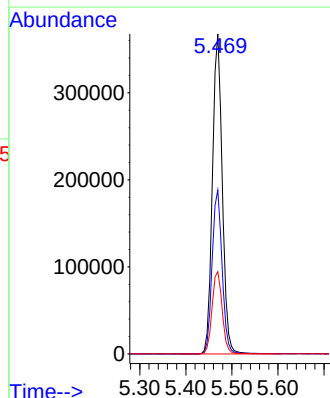
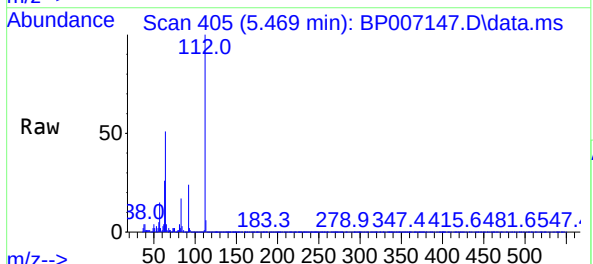
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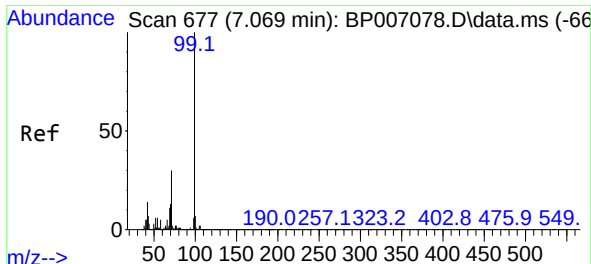
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#5
2-Fluorophenol
Concen: 26.305 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

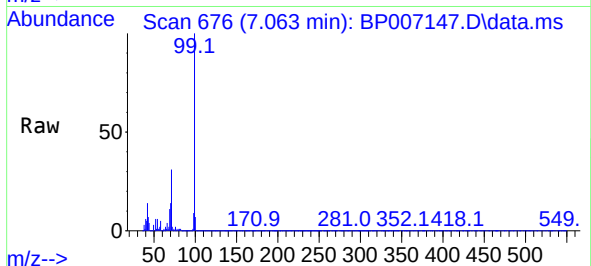
Tgt Ion:112 Resp: 548525
Ion Ratio Lower Upper
112 100
64 51.2 41.4 62.2
63 25.7 23.8 35.8





#7
Phenol-d6
Concen: 24.298 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

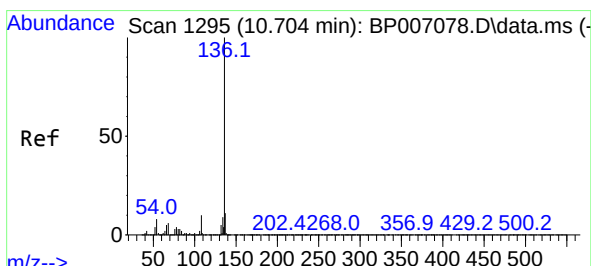
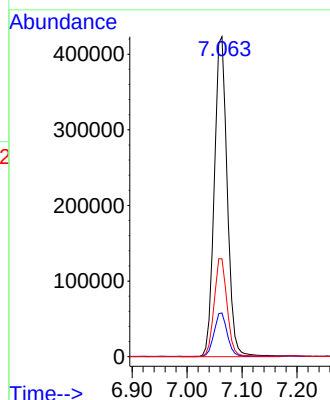
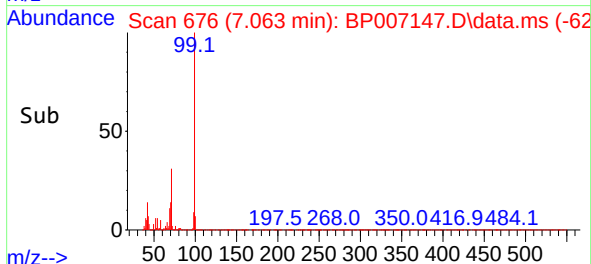
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BNA_P
ClientSampleId :
OR-02-092121



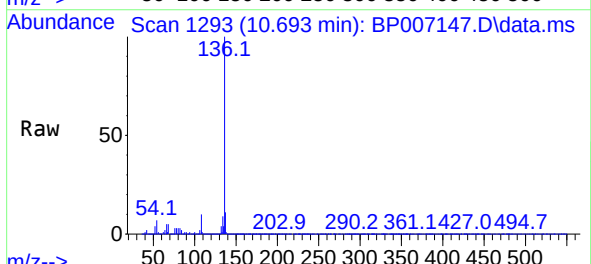
Tgt Ion: 99 Resp: 692490
Ion Ratio Lower Upper
99 100
42 13.6 13.4 20.0
71 30.6 30.6 46.0#

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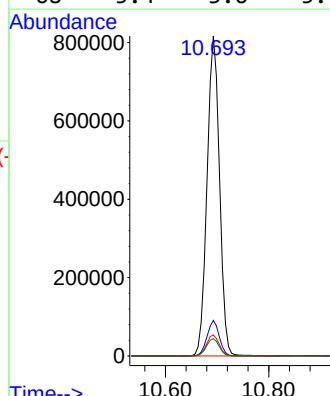
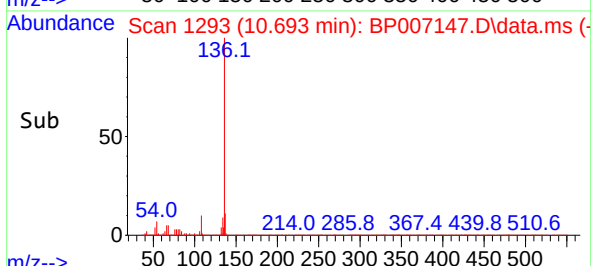
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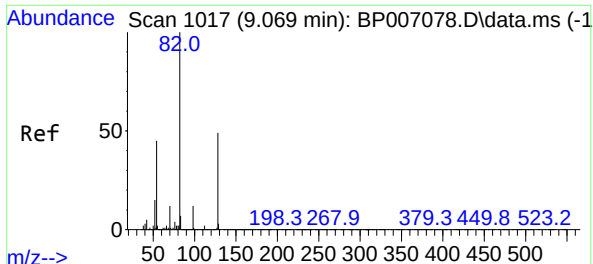


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50



Tgt Ion: 136 Resp: 1365416
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.6 4.6 6.8
68 5.4 3.6 5.4





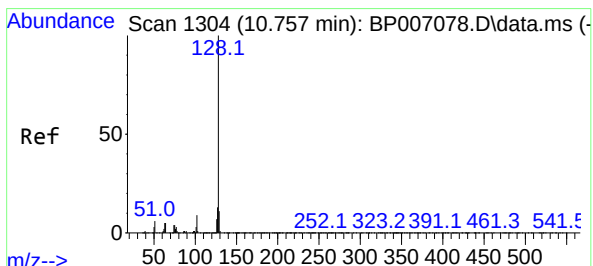
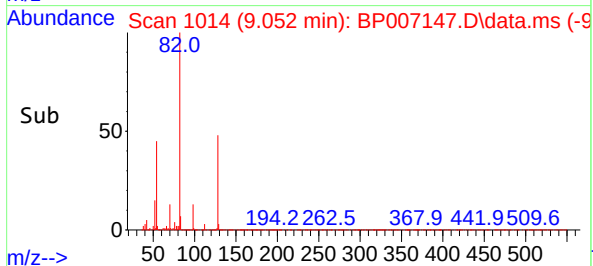
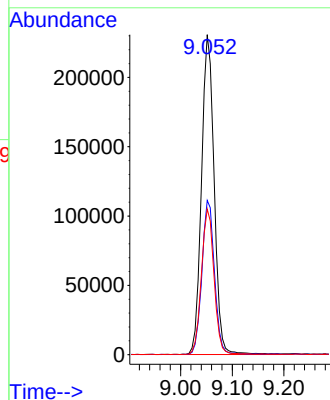
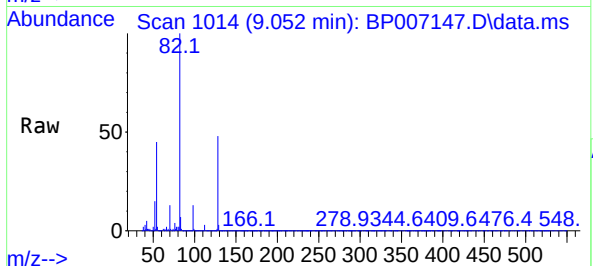
#23
Nitrobenzene-d5
Concen: 16.728 ng
RT: 9.052 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion: 82 Resp: 392205
Ion Ratio Lower Upper
82 100
128 48.2 35.7 53.5
54 45.5 35.0 52.4

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

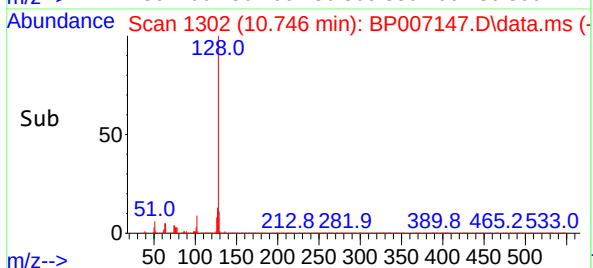
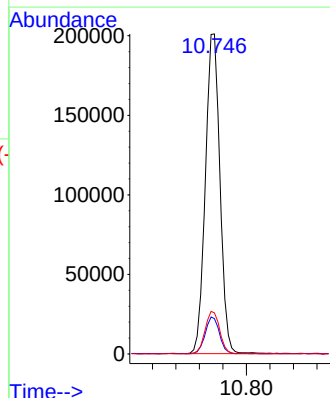
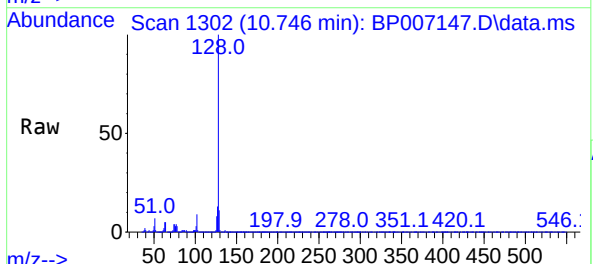
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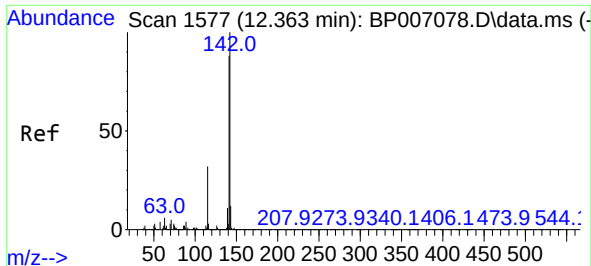
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#31
Naphthalene
Concen: 4.971 ng
RT: 10.746 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

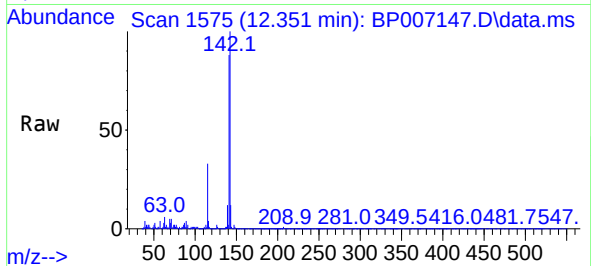
Tgt Ion: 128 Resp: 346383
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.8 10.7 16.1





#37
2-Methylnaphthalene
Concen: 3.029 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

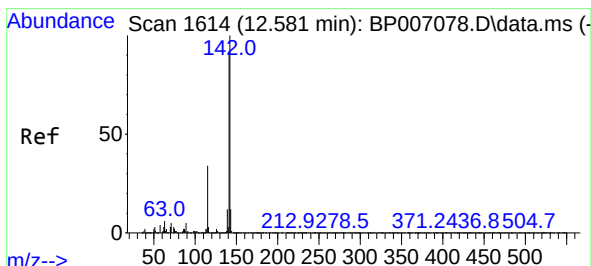
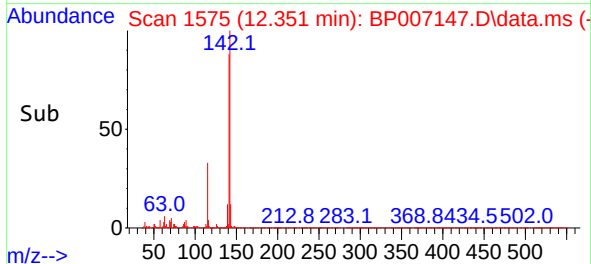
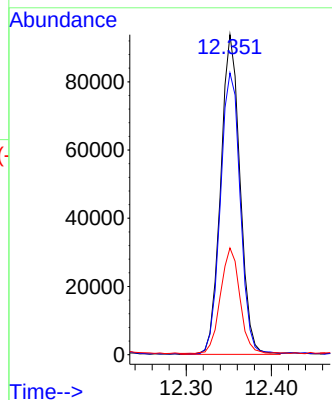
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:142 Resp: 147798
Ion Ratio Lower Upper
142 100
141 88.1 71.8 107.6
115 33.4 31.6 47.4

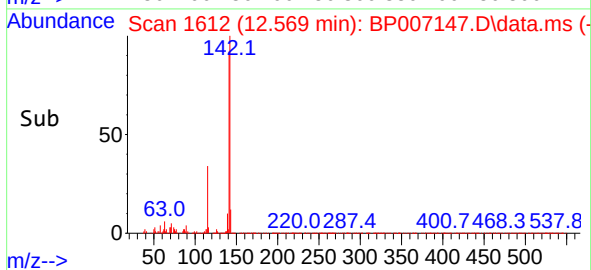
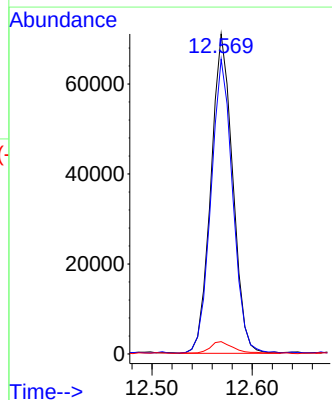
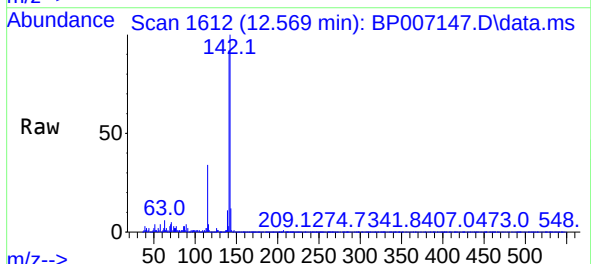
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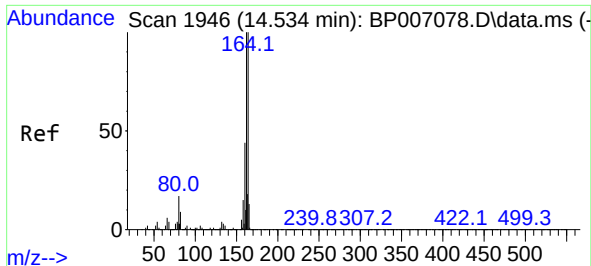
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#38
1-Methylnaphthalene
Concen: 2.248 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

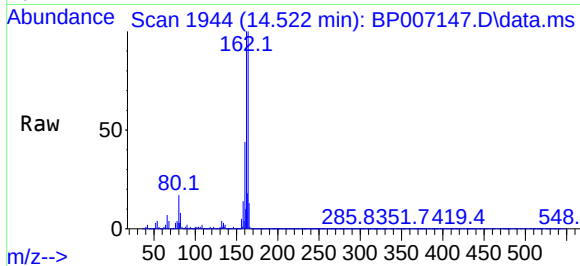
Tgt Ion:142 Resp: 107160
Ion Ratio Lower Upper
142 100
141 92.1 73.3 109.9
116 3.9 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

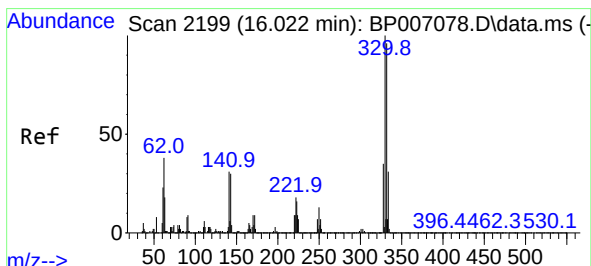
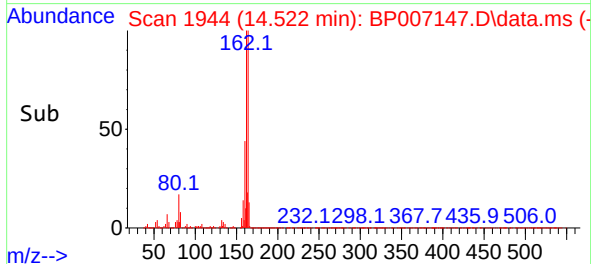
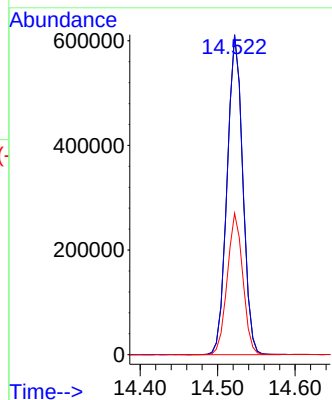
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:164 Resp: 856758
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 44.2 34.5 51.7

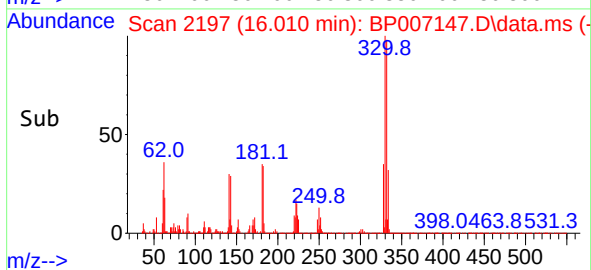
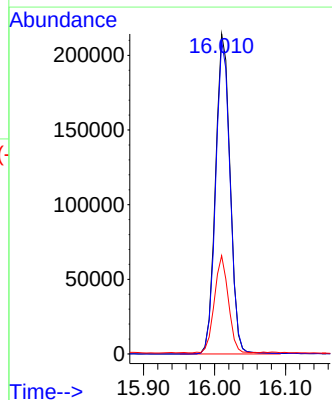
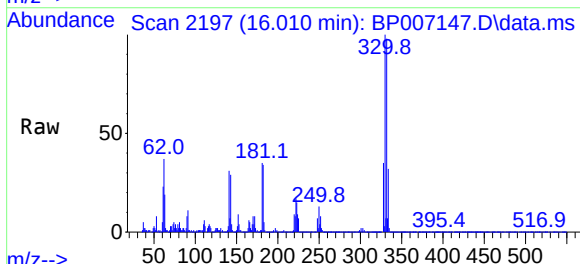
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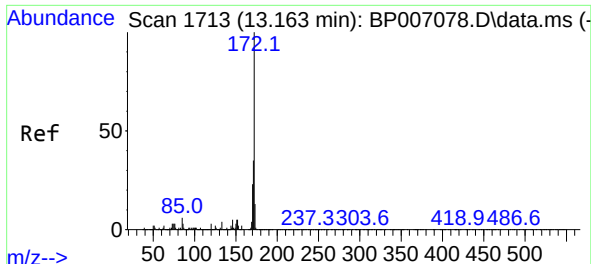
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#42
2,4,6-Tribromophenol
Concen: 27.470 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

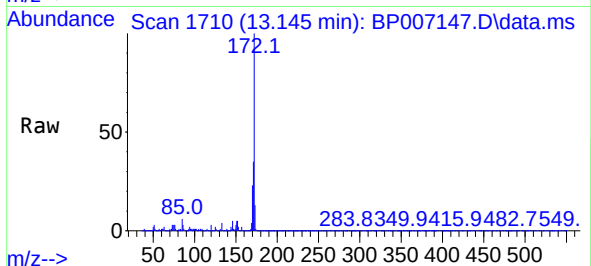
Tgt Ion:330 Resp: 305119
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.8
141 29.1 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 18.287 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

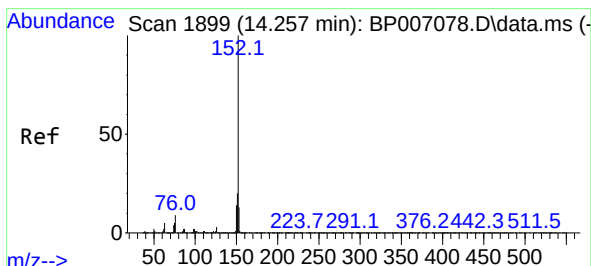
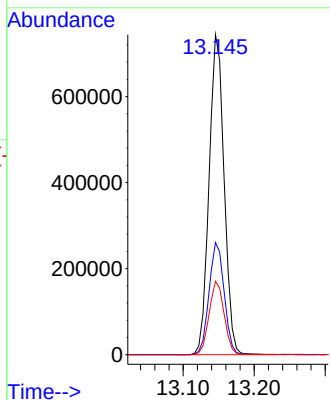
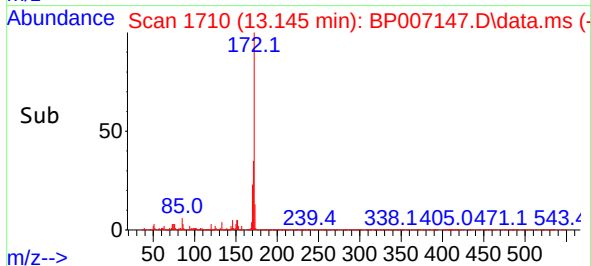
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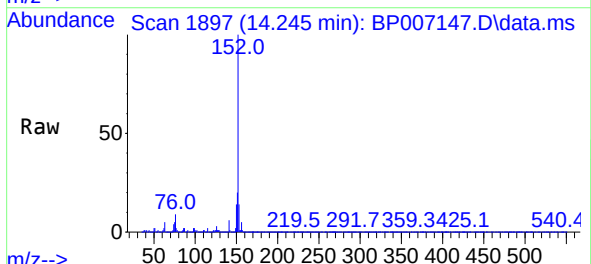
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Ion Ratio Lower Upper
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171 35.1 27.9 41.9
170 23.0 18.6 27.8

Manual Integrations
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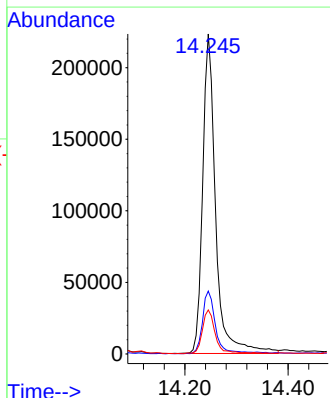
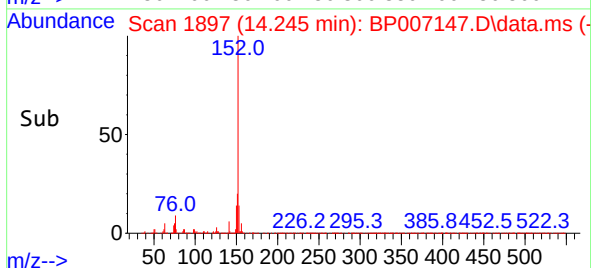
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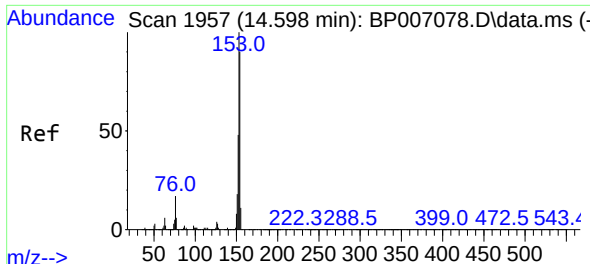


#49
Acenaphthylene
Concen: 5.132 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50



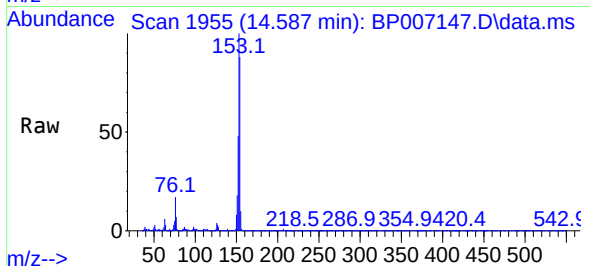
Tgt Ion:152 Resp: 390161
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.7 10.6 16.0





#52
Acenaphthene
Concen: 5.528 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

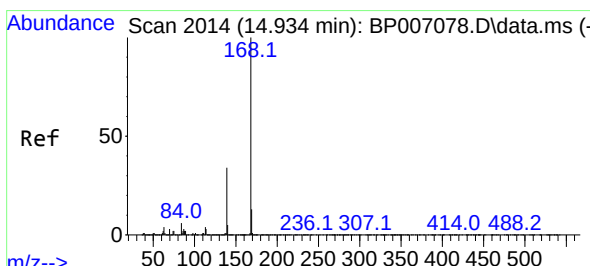
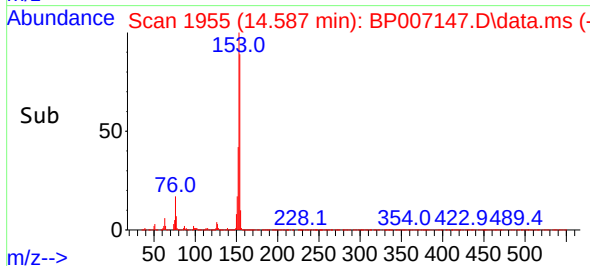
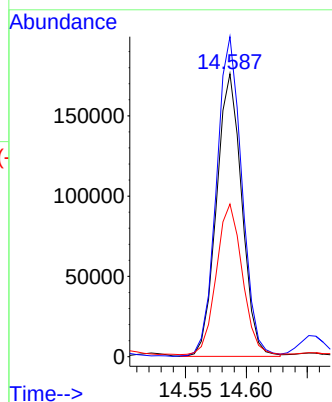
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



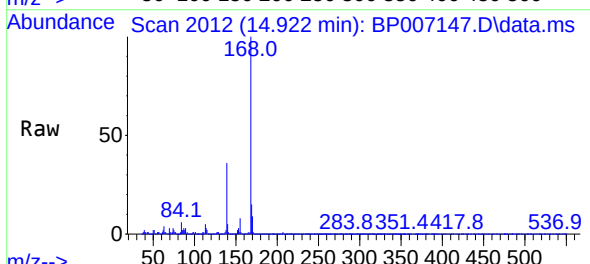
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Ion Ratio Lower Upper
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152 54.0 43.0 64.4

Manual Integrations
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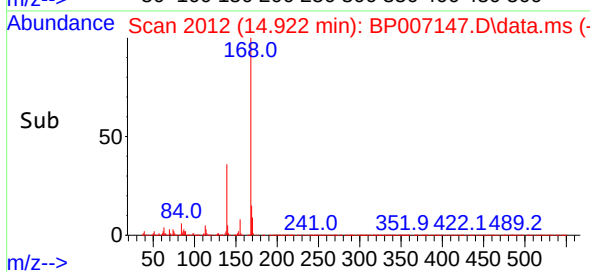
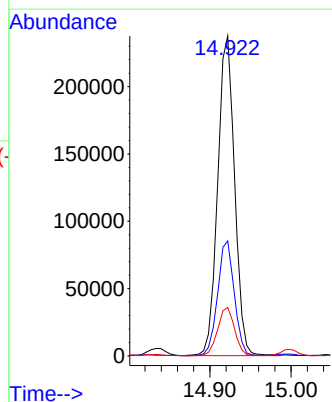
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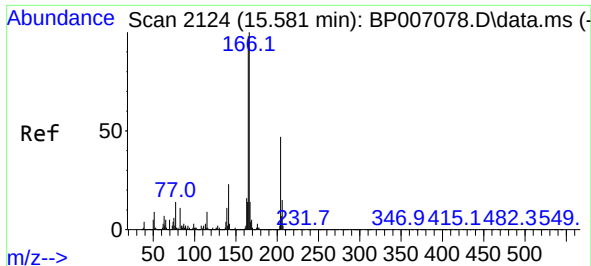


#55
Dibenzofuran
Concen: 4.468 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50



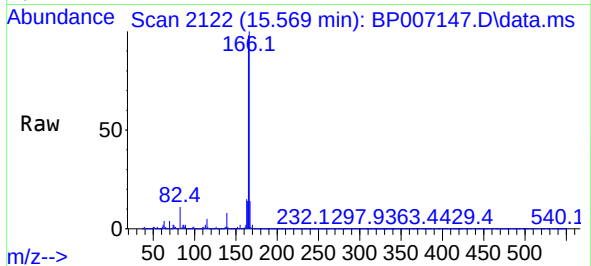
Tgt Ion:168 Resp: 343398
Ion Ratio Lower Upper
168 100
139 35.9 31.0 46.6
169 15.1 10.8 16.2





#58
Fluorene
Concen: 9.405 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

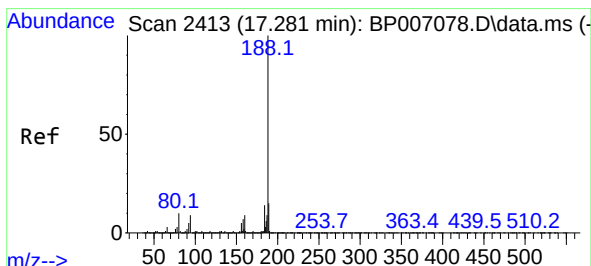
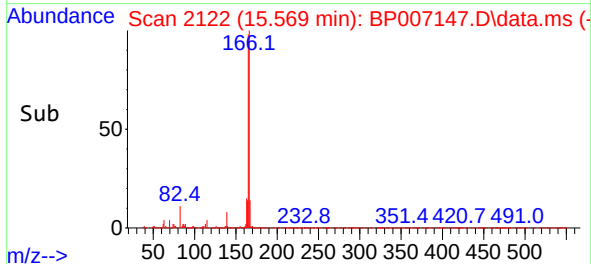
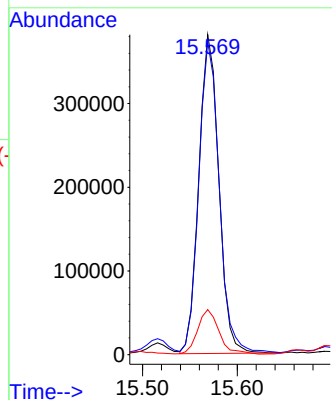
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:166 Resp: 558443
Ion Ratio Lower Upper
166 100
165 97.7 78.0 117.0
167 14.1 10.5 15.7

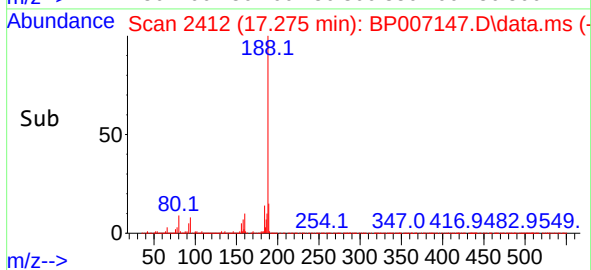
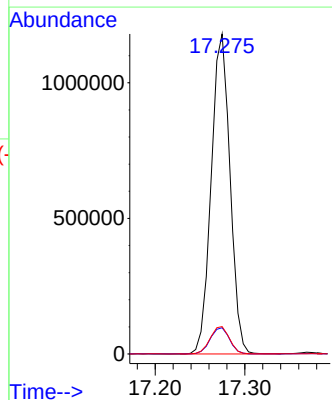
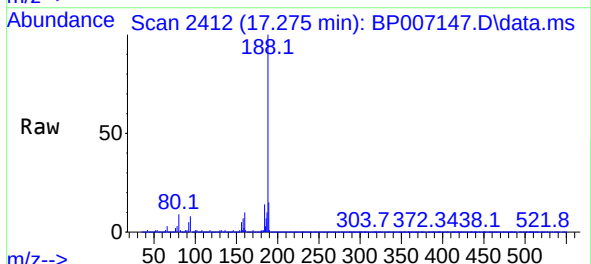
Manual Integrations
APPROVED

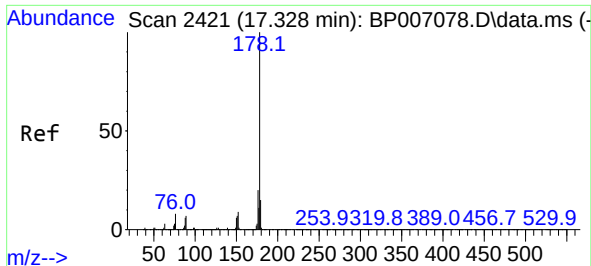
mohammad
9/24/2021 5:31:33 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion:188 Resp: 1716606
Ion Ratio Lower Upper
188 100
94 8.2 5.6 8.4
80 8.5 6.3 9.5





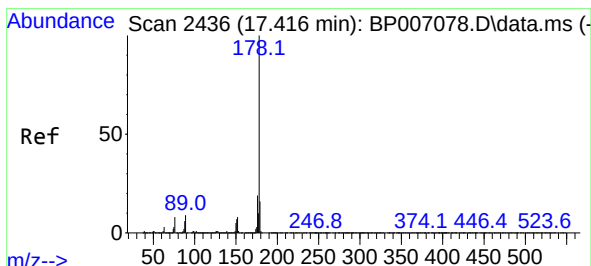
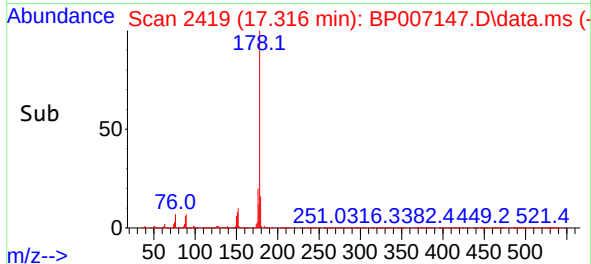
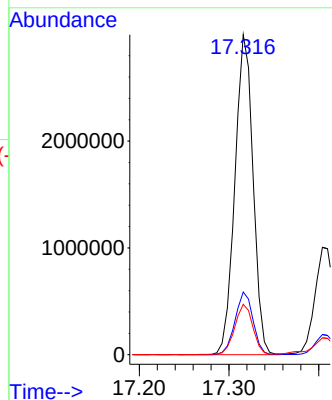
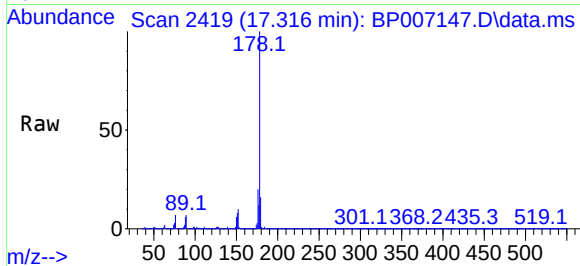
#71
Phenanthrene
Concen: 45.665 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion:178 Resp: 4203113
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.8 12.4 18.6

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

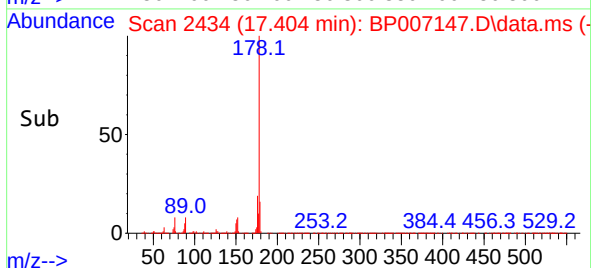
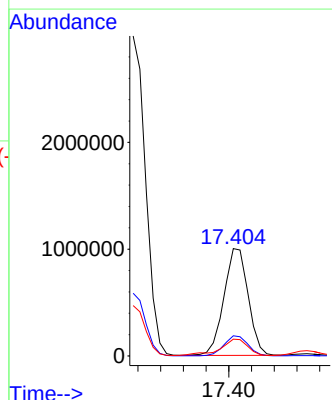
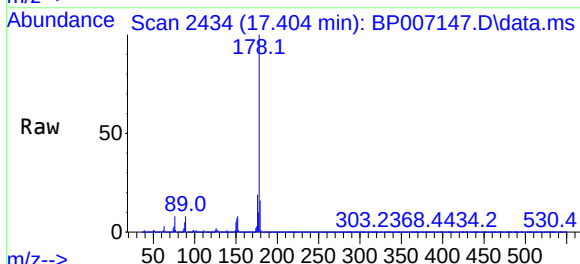
Manual Integrations
APPROVED

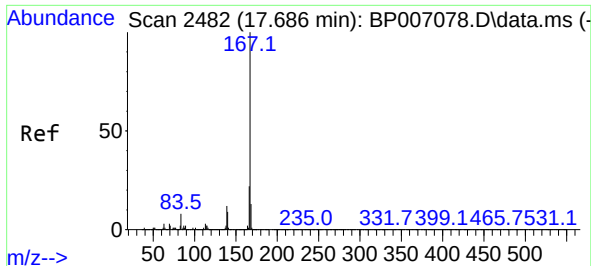
mohammad
9/24/2021 5:31:33 PM



#72
Anthracene
Concen: 16.527 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

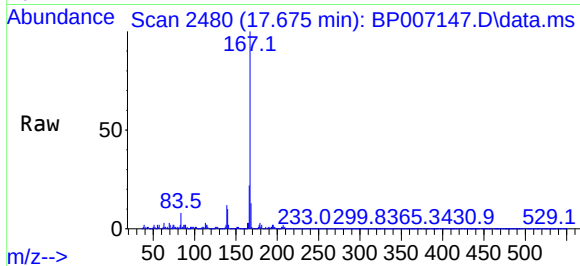
Tgt Ion:178 Resp: 1488124
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.7 12.2 18.2





#73
Carbazole
Concen: 3.810 ng
RT: 17.675 min Scan# 2480
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

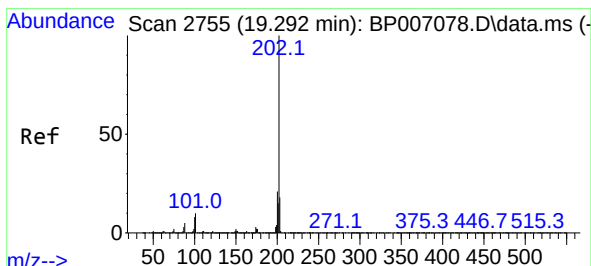
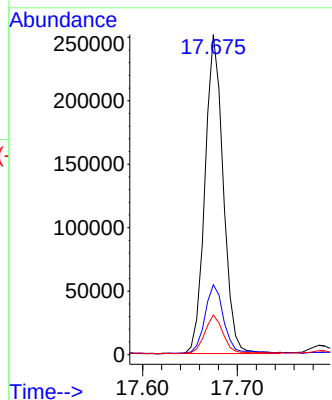
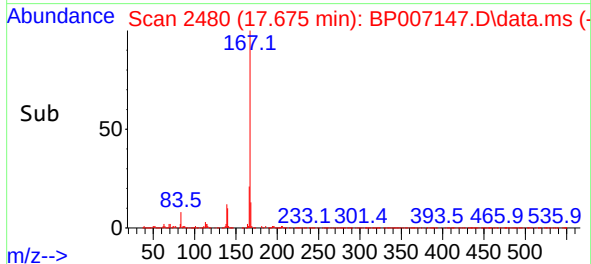
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



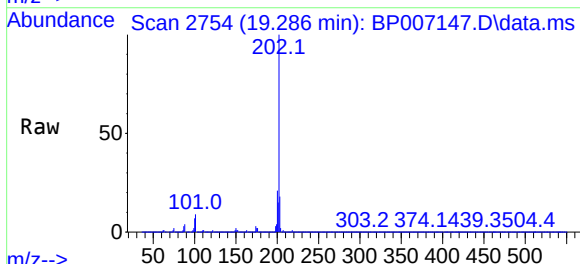
Tgt Ion:167 Resp: 336195
Ion Ratio Lower Upper
167 100
166 21.8 17.1 25.7
139 12.4 10.7 16.1

Manual Integrations
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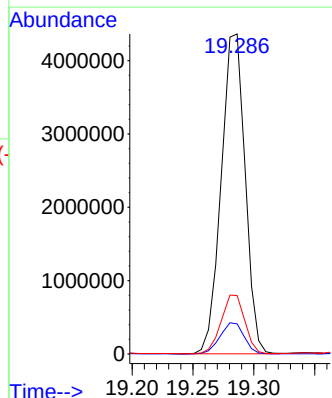
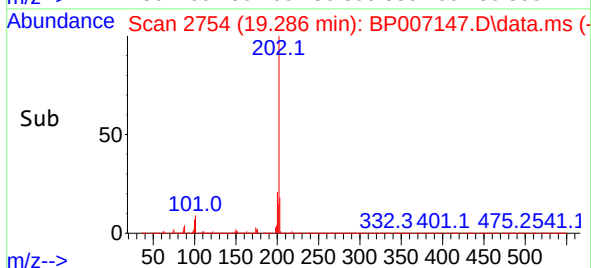
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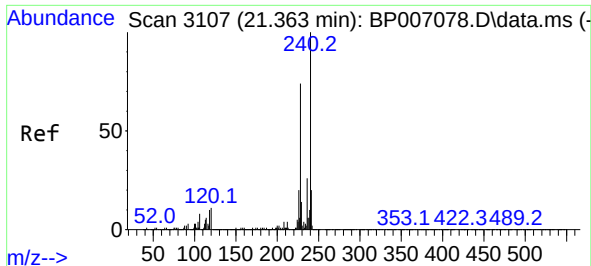


#75
Fluoranthene
Concen: 56.287 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50



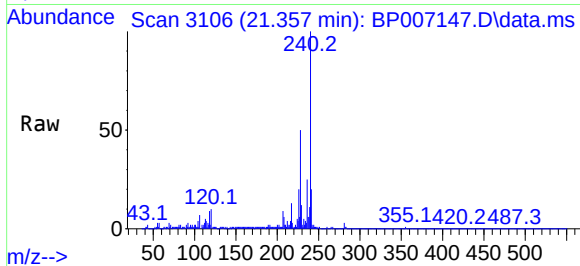
Tgt Ion:202 Resp: 5968989
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.6
203 18.2 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

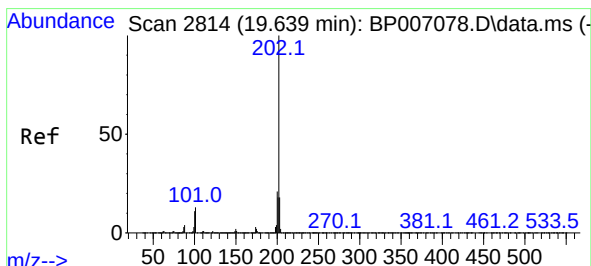
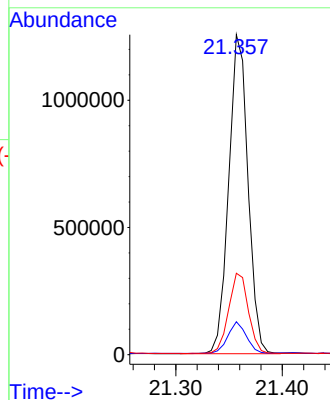
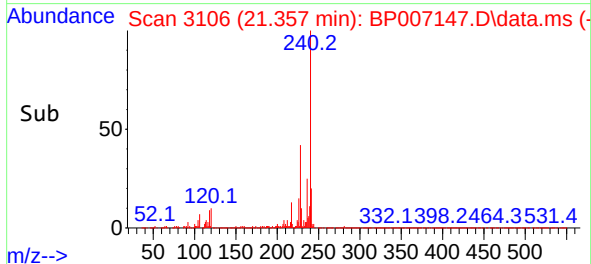
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



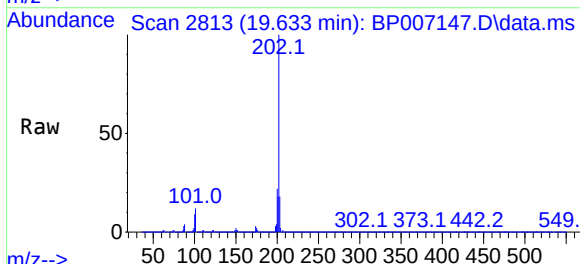
Tgt Ion:240 Resp: 1576400
Ion Ratio Lower Upper
240 100
120 10.3 6.5 9.7#
236 25.5 20.6 31.0

Manual Integrations
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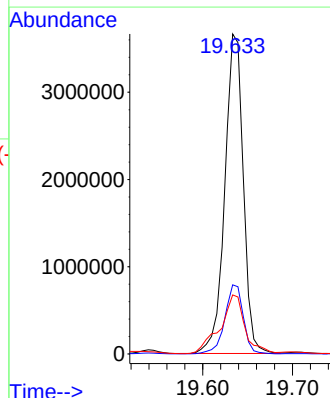
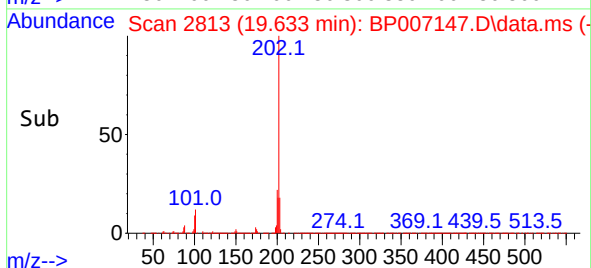
mohammad
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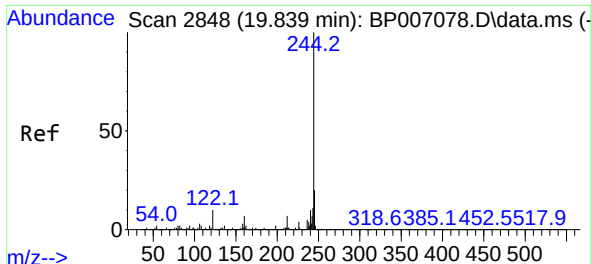


#78
Pyrene
Concen: 50.745 ng
RT: 19.633 min Scan# 2813
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50



Tgt Ion:202 Resp: 5248352
Ion Ratio Lower Upper
202 100
200 21.6 16.3 24.5
203 18.5 14.2 21.2





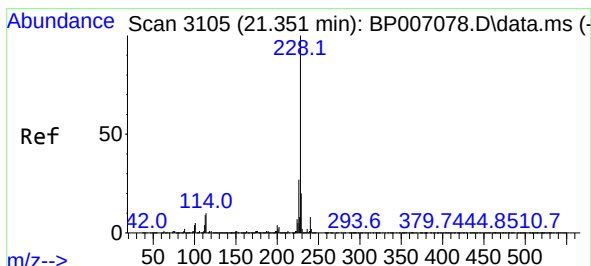
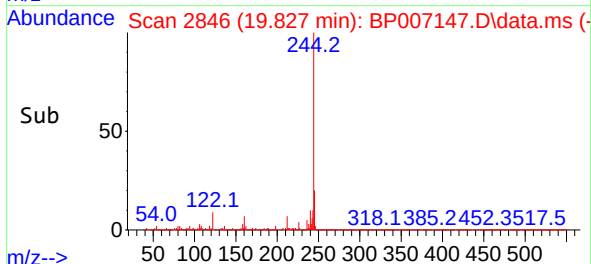
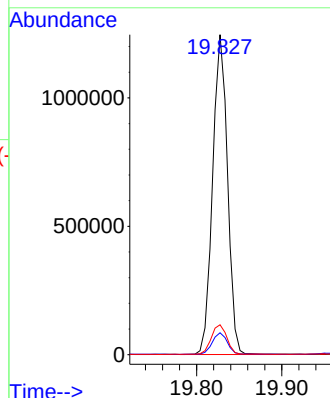
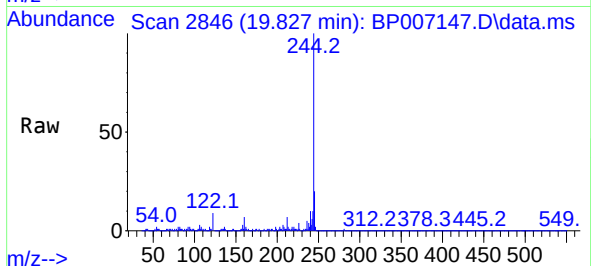
#79
Terphenyl-d14
Concen: 18.312 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion:244 Resp: 1506415
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.4 7.1 10.7

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

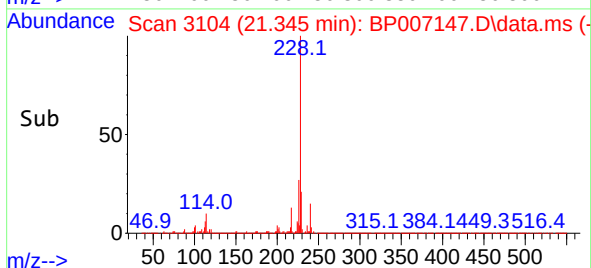
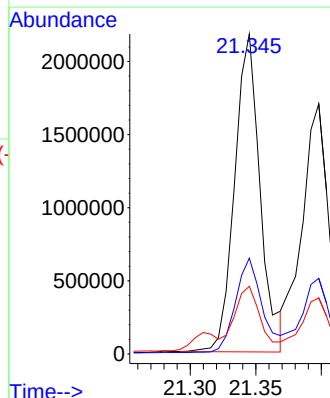
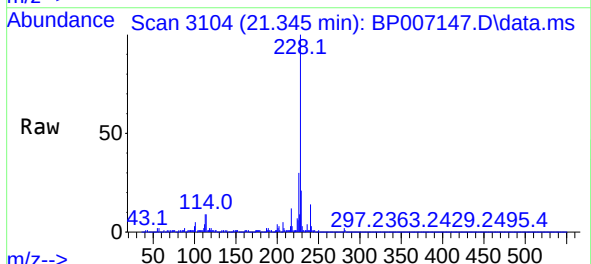
Manual Integrations
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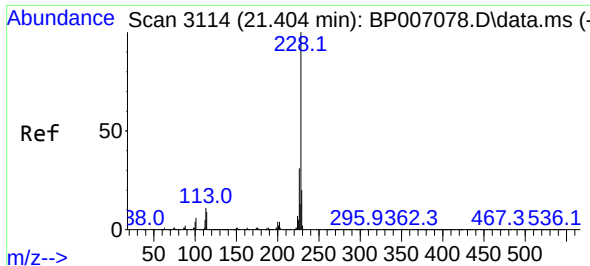
mohammad
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#81
Benzo(a)anthracene
Concen: 28.738 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

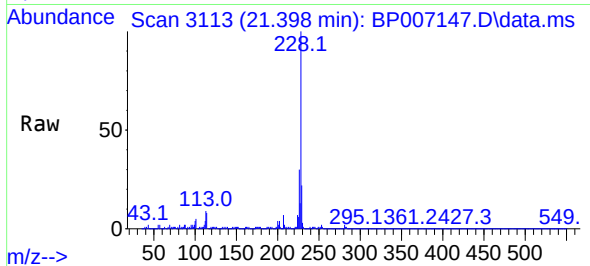
Tgt Ion:228 Resp: 2940544
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.2 15.8 23.6





#83
Chrysene
Concen: 24.170 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

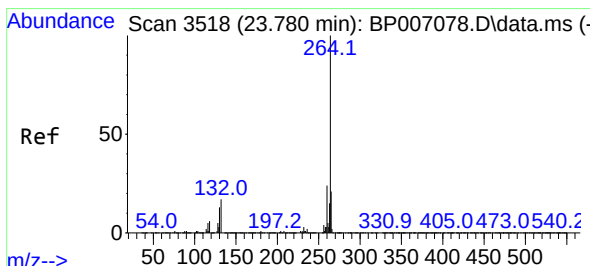
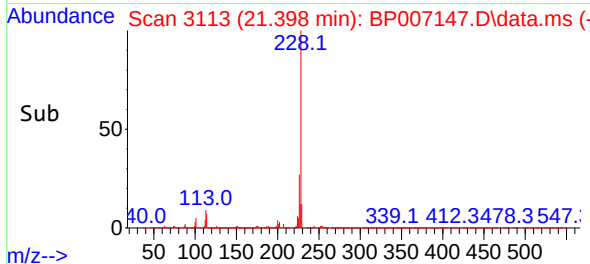
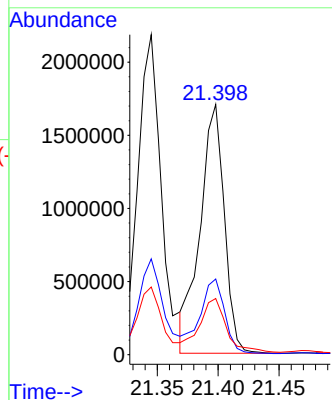
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:228 Resp: 2363662
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 22.5 15.4 23.2

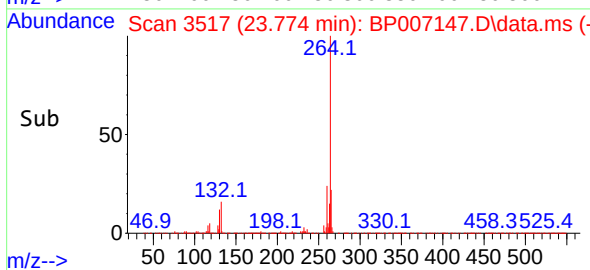
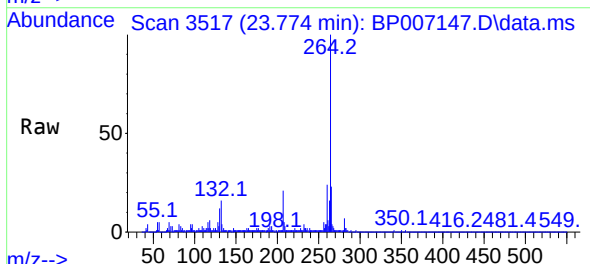
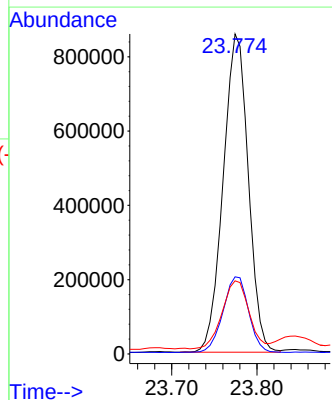
Manual Integrations
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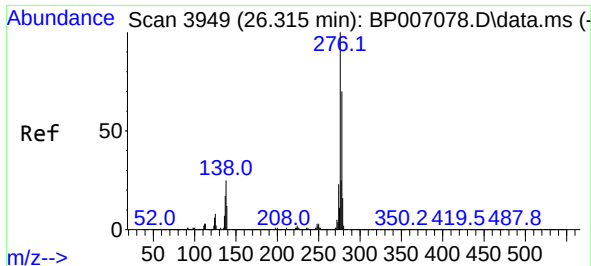
mohammad
9/24/2021 5:31:33 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

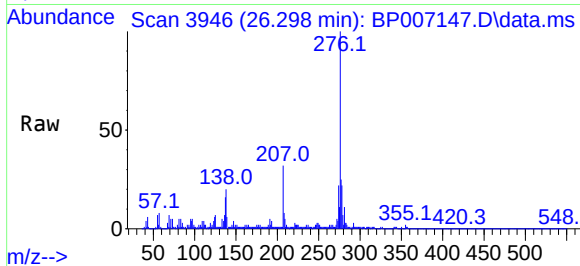
Tgt Ion:264 Resp: 1752980
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 22.9 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 13.448 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

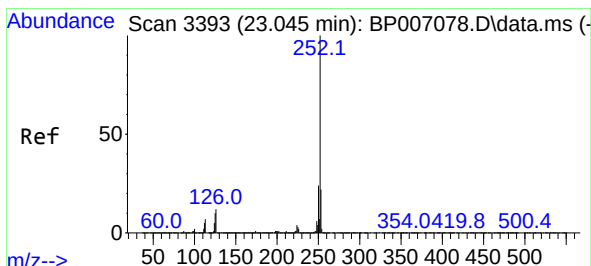
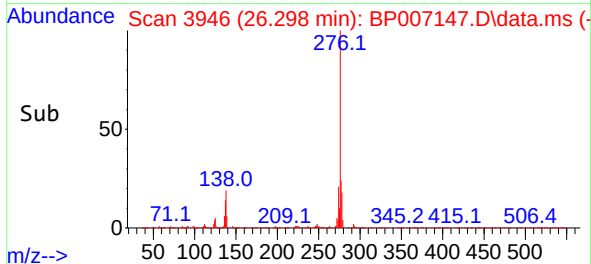
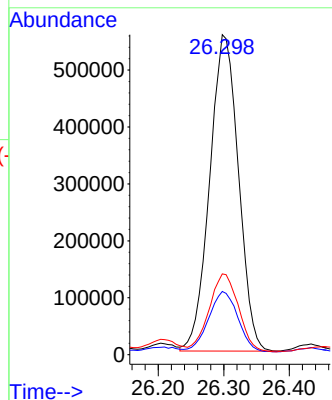
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion: 276 Resp: 1694184
Ion Ratio Lower Upper
276 100
138 19.4 15.3 22.9
277 25.2 20.4 30.6

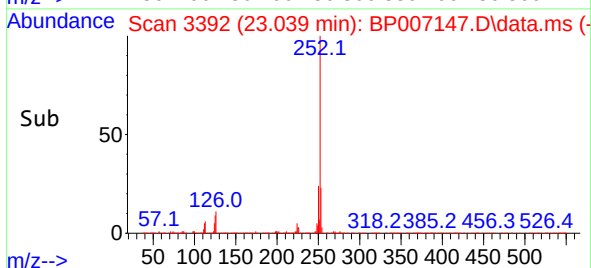
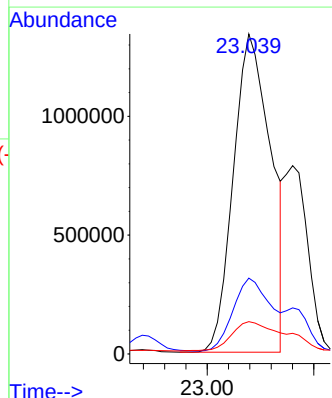
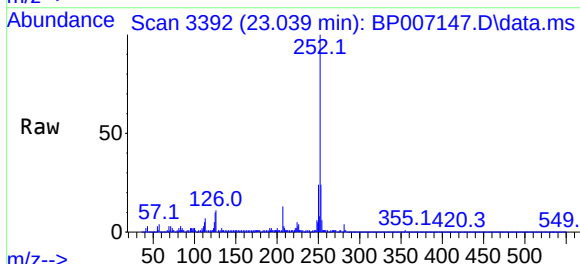
Manual Integrations
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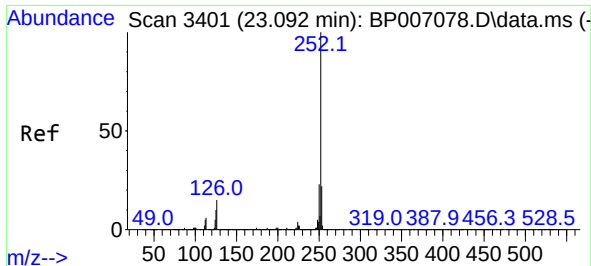
mohammad
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#88
Benzo(b)fluoranthene
Concen: 31.259 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

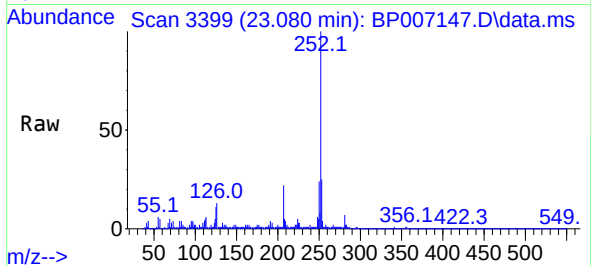
Tgt Ion: 252 Resp: 3274764
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 10.1 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 11.124 ng m
RT: 23.080 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

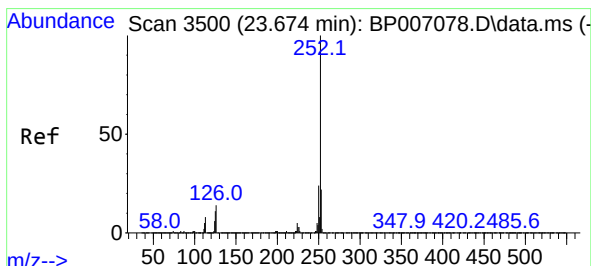
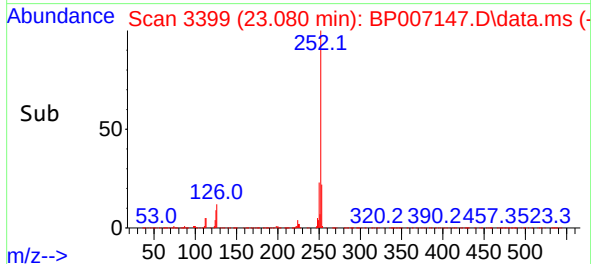
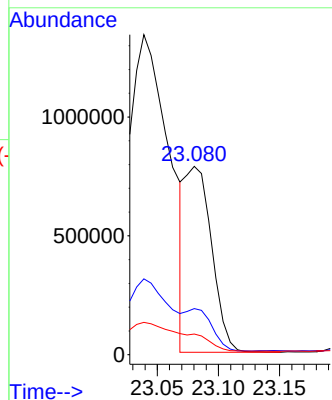
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:252 Resp: 1179868
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 10.9 6.0 9.0#

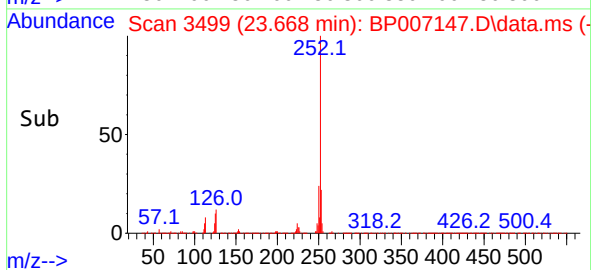
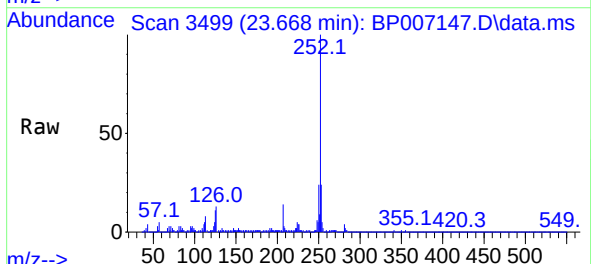
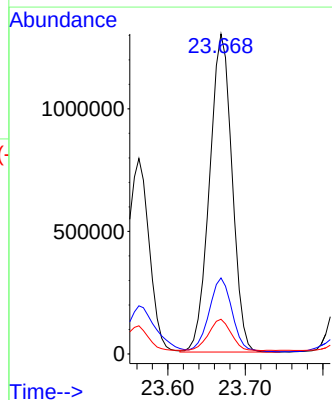
Manual Integrations
APPROVED

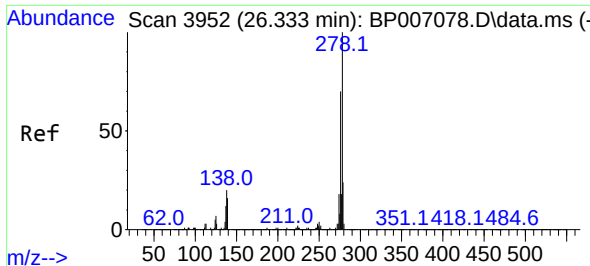
mohammad
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#90
Benzo(a)pyrene
Concen: 29.400 ng
RT: 23.668 min Scan# 3499
Delta R.T. -0.000 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

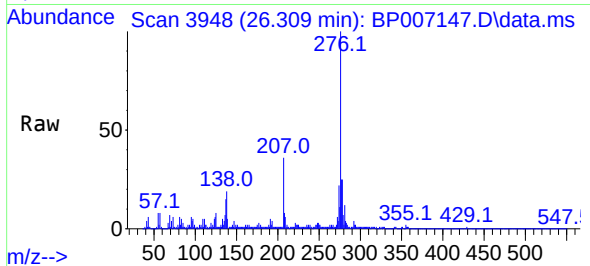
Tgt Ion:252 Resp: 2616749
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 10.9 6.5 9.7#





#91
Dibenzo(a,h)anthracene
Concen: 4.286 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.006 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

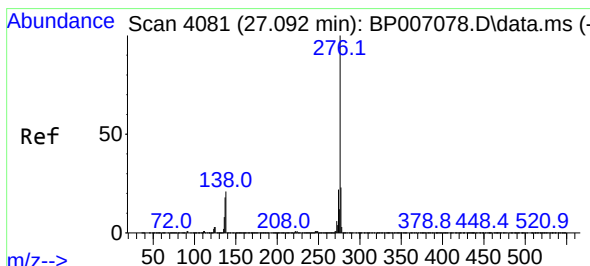
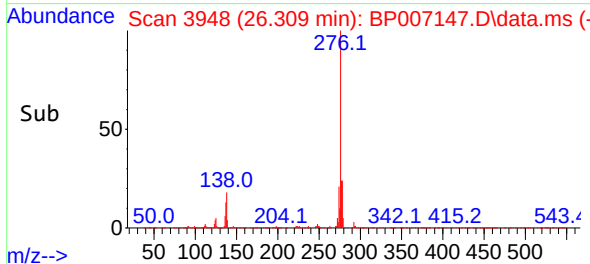
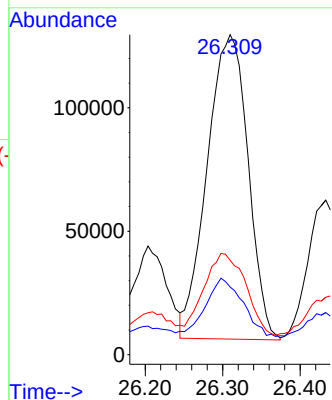
Instrument :
BNA_P
ClientSampleId :
OR-02-092121



Tgt Ion:278 Resp: 452455
Ion Ratio Lower Upper
278 100
139 21.1 9.3 13.9#
279 29.5 18.8 28.2#

Manual Integrations
APPROVED

mohammad
9/24/2021 5:31:33 PM



#92
Benzo(g,h,i)perylene
Concen: 15.804 ng
RT: 27.086 min Scan# 4080
Delta R.T. 0.012 min
Lab File: BP007147.D
Acq: 24 Sep 2021 03:50

Tgt Ion:276 Resp: 1628274
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 20.2 12.6 18.8#

