

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017678.D
 Acq On : 02 Dec 2021 09:27
 Operator : CG/JU
 Sample : M4895-10 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-10

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

Quant Time: Dec 02 09:58:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18574	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	83347	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	56494	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	126845	0.400	ng	0.00
29) Chrysene-d12	21.293	240	128953	0.400	ng	# 0.01
35) Perylene-d12	23.595	264	131732	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	489	0.012	ng	0.00
5) Phenol-d6	6.915	99	1680	0.038	ng	0.00
8) Nitrobenzene-d5	8.875	82	2284m	0.065	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	5995	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	132	0.129	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	9425	0.043	ng	0.00
27) Fluoranthene-d10	19.139	212	18668m	0.047	ng	0.00
31) Terphenyl-d14	19.740	244	17833	0.063	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.560	128	95255	0.453	ng	99
12) 2-Methylnaphthalene	12.182	142	23905	0.172	ng	97
16) Acenaphthylene	14.080	152	108502	0.492	ng	99
17) Acenaphthene	14.422	154	106281	0.698	ng	99
18) Fluorene	15.412	166	166138	0.898	ng	99
25) Phenanthrene	17.141	178	2609684	7.501	ng	99
26) Anthracene	17.226	178	732214	2.449	ng	# 94
28) Fluoranthene	19.169	202	5094940	12.941	ng	# 96
30) Pyrene	19.531	202	4565739	10.968	ng	# 94
32) Benzo(a)anthracene	21.271	228	2928686	7.477	ng	97
33) Chrysene	21.324	228	2427443	5.697	ng	96
34) Bis(2-ethylhexyl)phtha...	21.218	149	651668	7.014	ng	97
36) Indeno(1,2,3-cd)pyrene	25.947	276	1166500	2.727	ng	# 90
37) Benzo(b)fluoranthene	22.904	252	3588902	8.216	ng	97
38) Benzo(k)fluoranthene	22.945	252	1262337m	2.819	ng	
39) Benzo(a)pyrene	23.496	252	2394348m	6.123	ng	
40) Dibenzo(a,h)anthracene	25.961	278	293832	0.841	ng	96
41) Benzo(g,h,i)perylene	26.676	276	1031425	2.868	ng	# 93

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

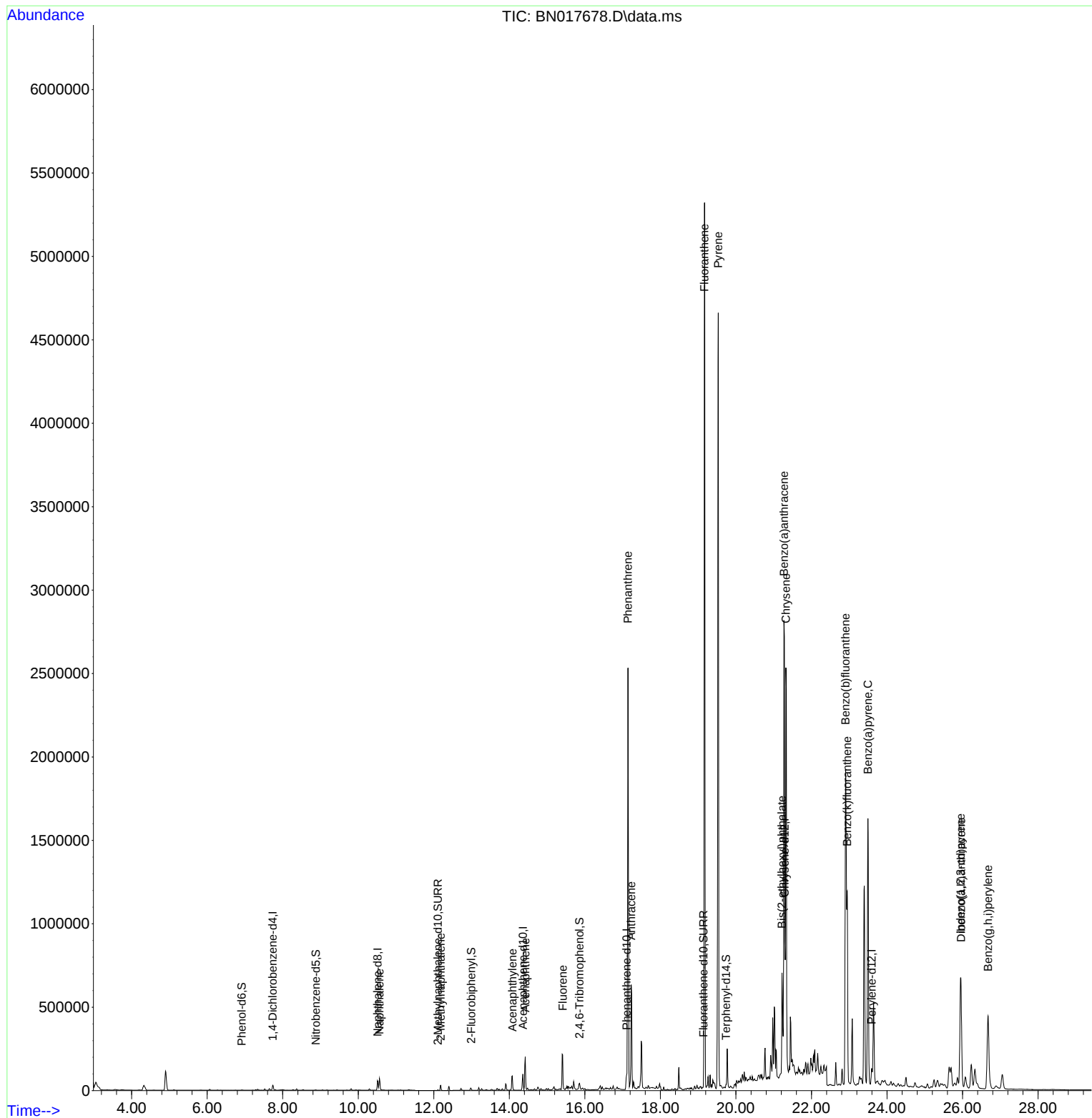
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017678.D
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ALS Vial : 29 Sample Multiplier: 1

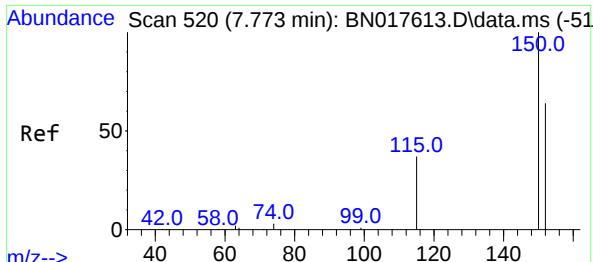
Instrument :
BNA_N
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Quant Time: Dec 02 09:58:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration

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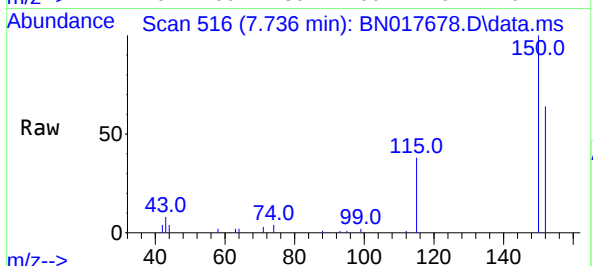
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

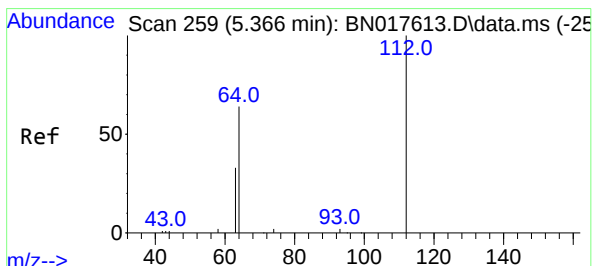
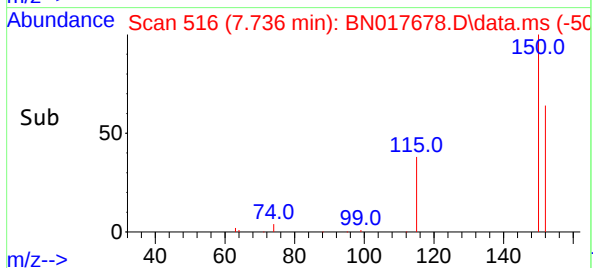
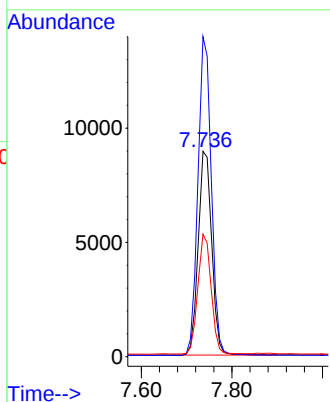
Instrument :
BNA_N
ClientSampleId :
SLAB-10



Tgt Ion:152 Resp: 18574
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 59.6 45.6 68.4

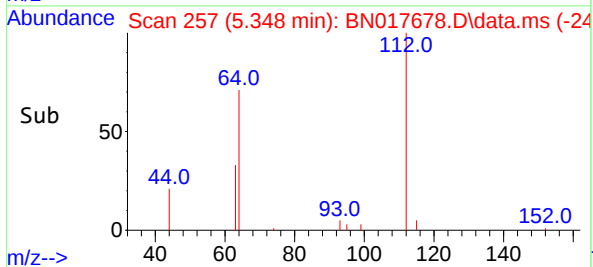
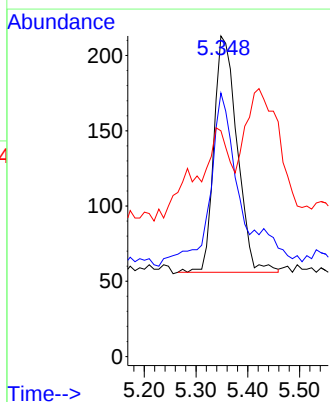
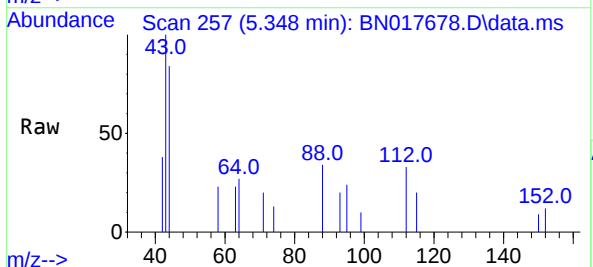
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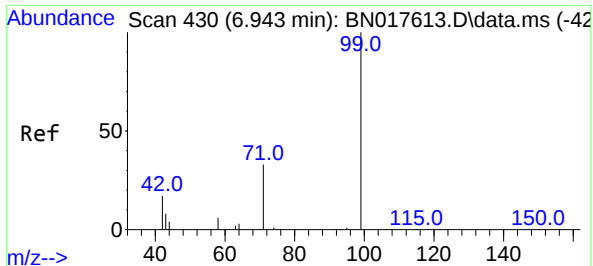
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.012 ng
RT: 5.348 min Scan# 257
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

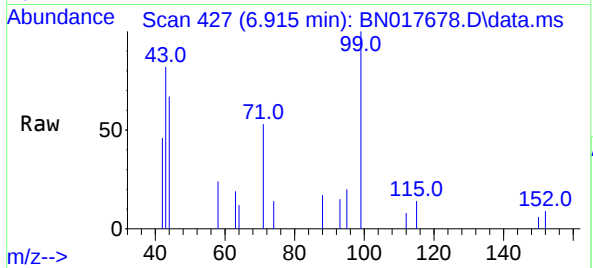
Tgt Ion:112 Resp: 489
Ion Ratio Lower Upper
112 100
64 72.6 47.6 71.4#
63 15.5 24.6 37.0#





#5
Phenol-d6
Concen: 0.038 ng
RT: 6.915 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

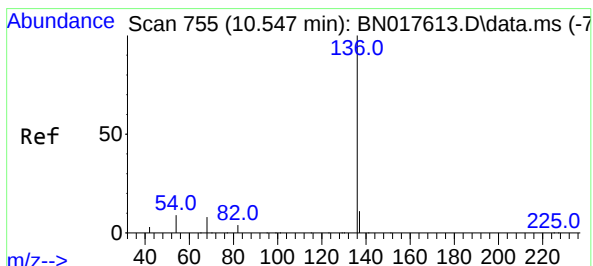
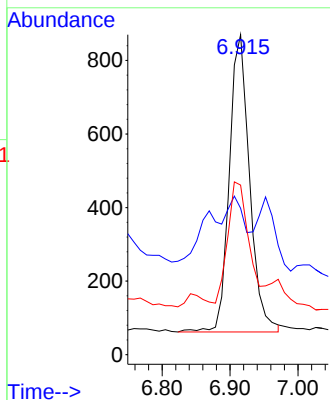
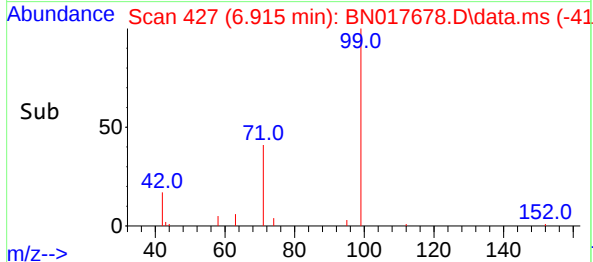
Instrument :
BNA_N
ClientSampleId :
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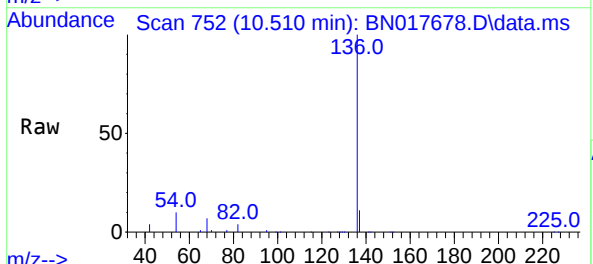
Tgt Ion: 99 Resp: 1680
Ion Ratio Lower Upper
99 100
42 14.6 17.0 25.6
71 42.8 24.8 37.2

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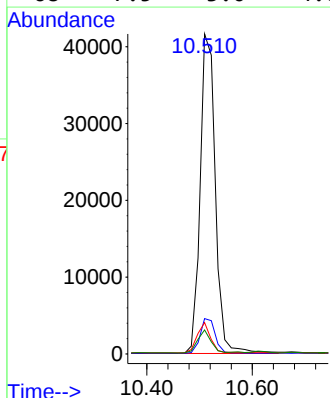
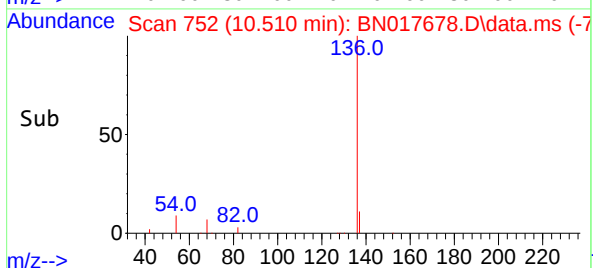
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

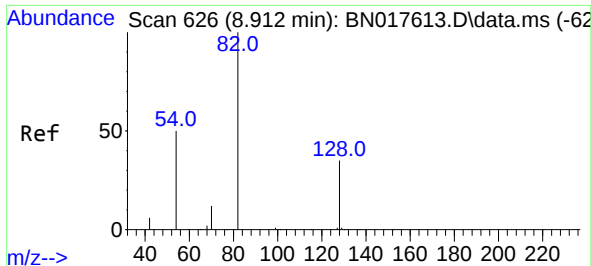


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



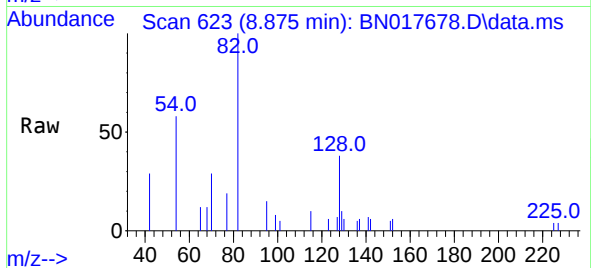
Tgt Ion:136 Resp: 83347
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.8 4.0 6.0#
68 7.5 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.065 ng m
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

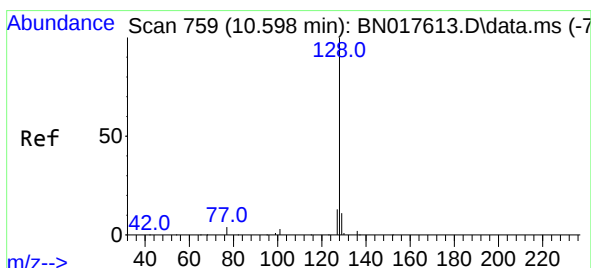
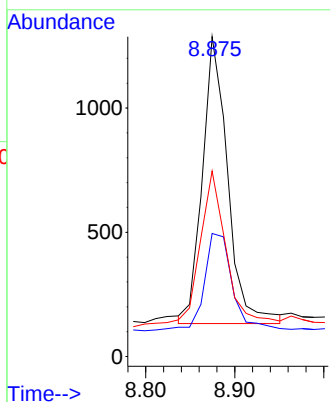
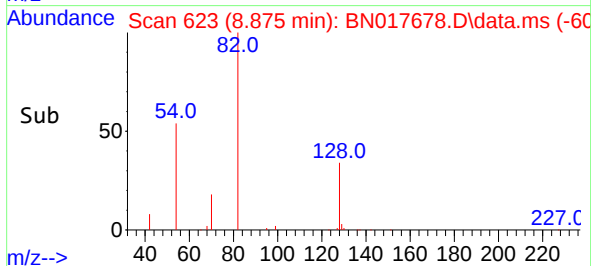
Instrument :
BNA_N
ClientSampleId :
SLAB-10



Tgt Ion: 82 Resp: 2284
Ion Ratio Lower Upper
82 100
128 38.5 27.7 41.5
54 58.0 49.2 73.8

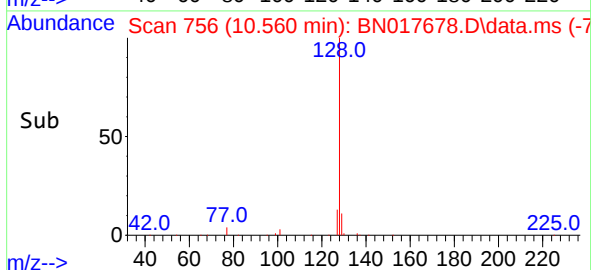
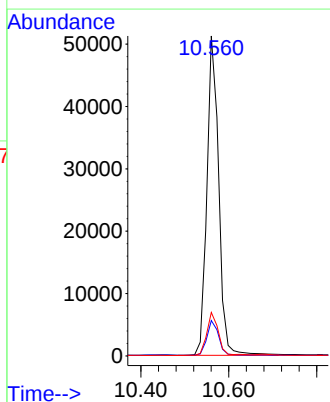
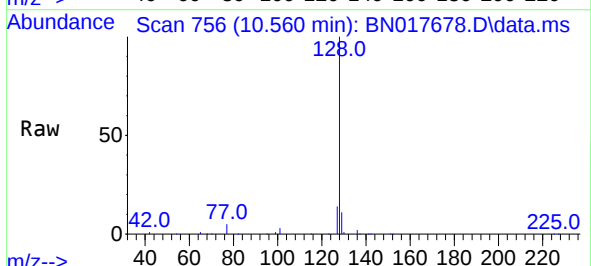
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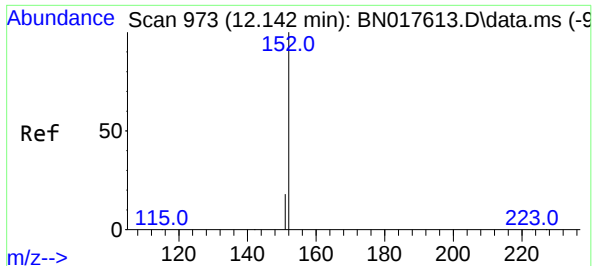
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#9
Naphthalene
Concen: 0.453 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:128 Resp: 95255
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.6 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.041 ng

RT: 12.107 min Scan# 90

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

SLAB-10

Tgt Ion:152 Resp: 599

Ion Ratio Lower Upper

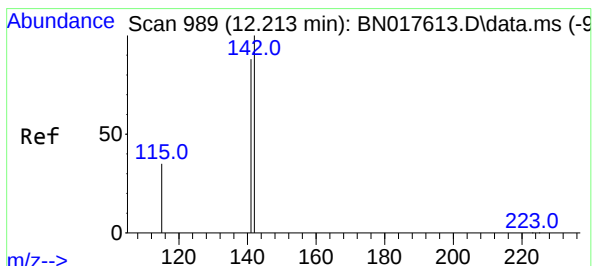
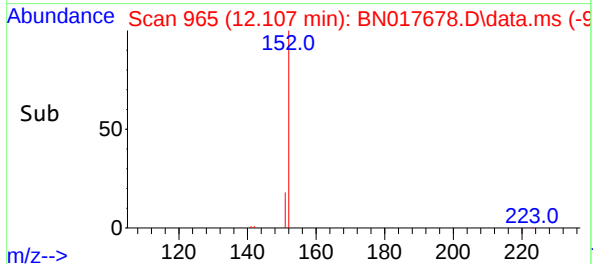
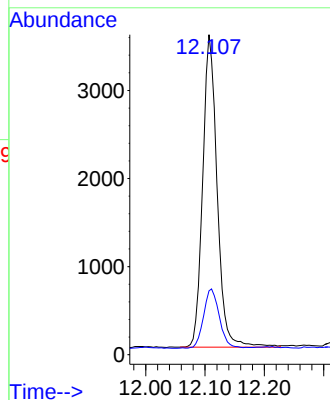
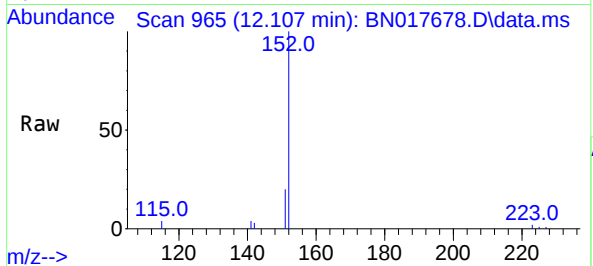
152 100

151 20.6 16.2 24.4

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Supervised By :mohammad ahmed 12/05/2021



#12

2-Methylnaphthalene

Concen: 0.172 ng

RT: 12.182 min Scan# 982

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

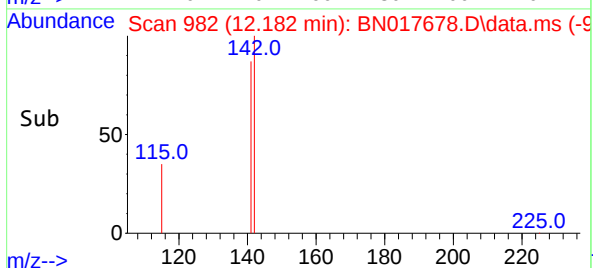
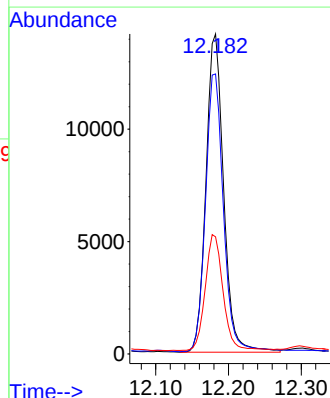
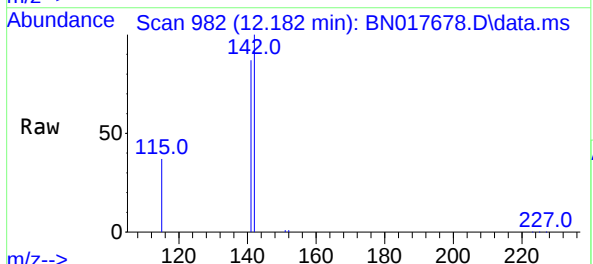
Tgt Ion:142 Resp: 23905

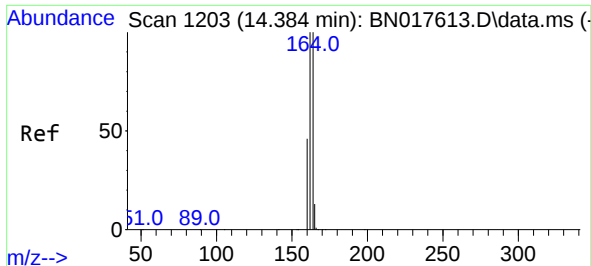
Ion Ratio Lower Upper

142 100

141 87.5 70.6 106.0

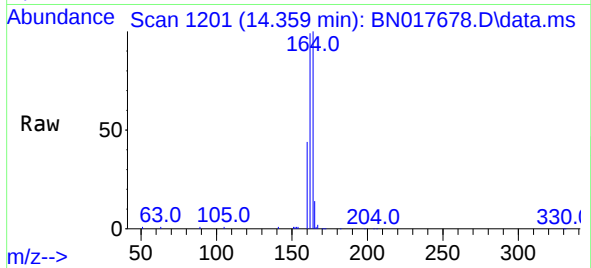
115 36.6 25.8 38.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

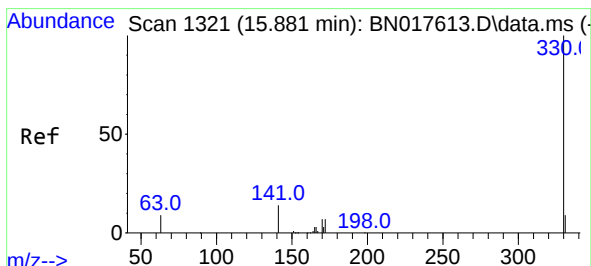
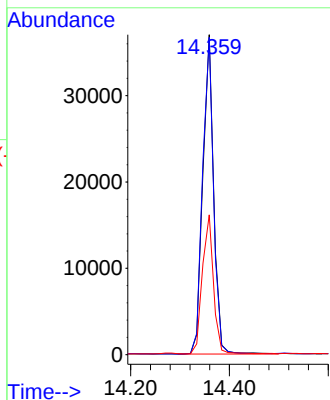
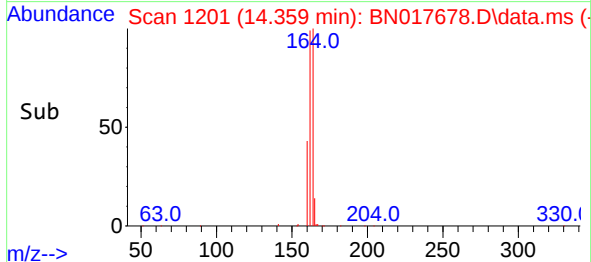
Instrument :
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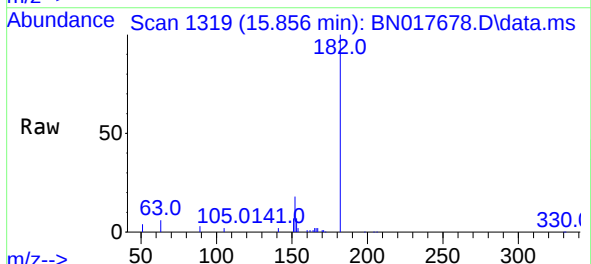
Tgt Ion:164 Resp: 56494
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.2
160 43.7 36.8 55.2

Manual Integrations
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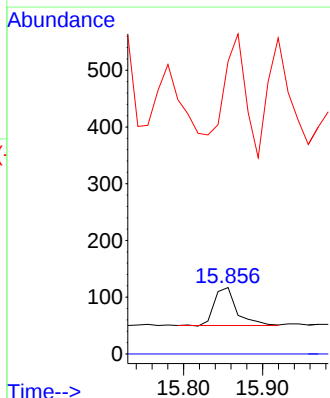
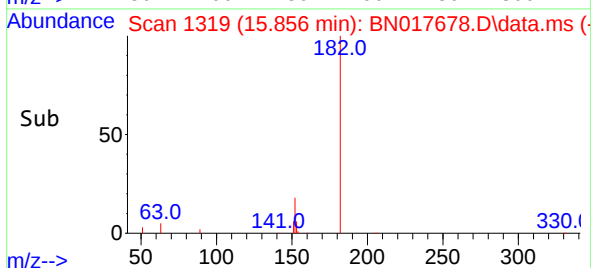
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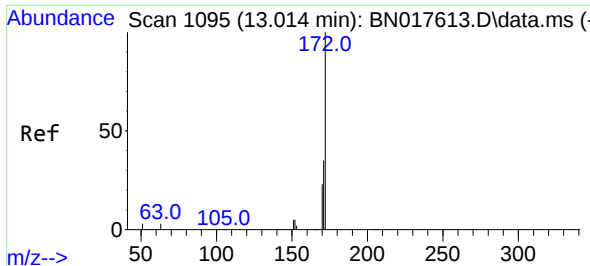


#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 15.856 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



Tgt Ion:330 Resp: 132
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 303.0 28.9 43.3#





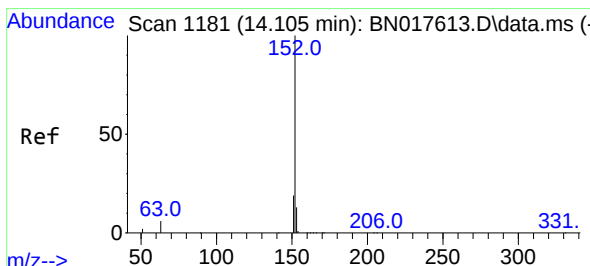
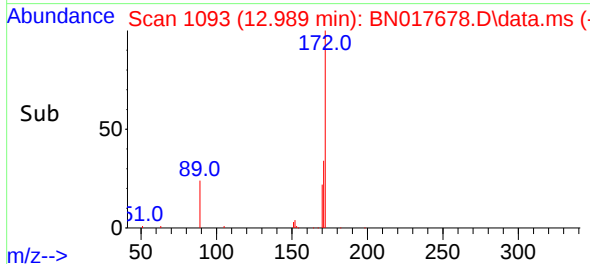
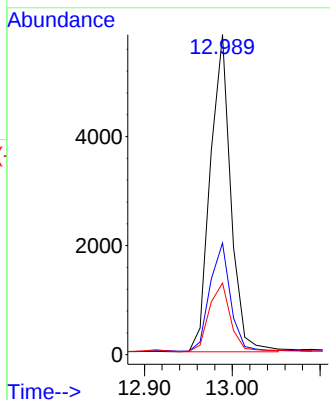
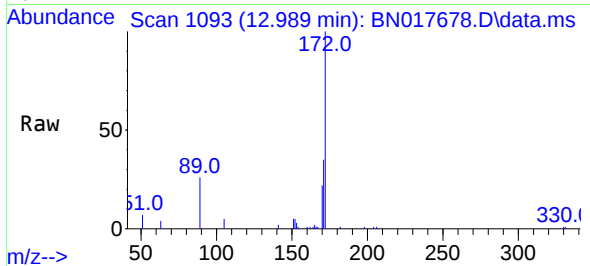
#15
2-Fluorobiphenyl
Concen: 0.043 ng
RT: 12.989 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Instrument :
BNA_N
ClientSampleId :
SLAB-10

Tgt Ion:172 Resp: 942
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 22.4 19.4 29.2

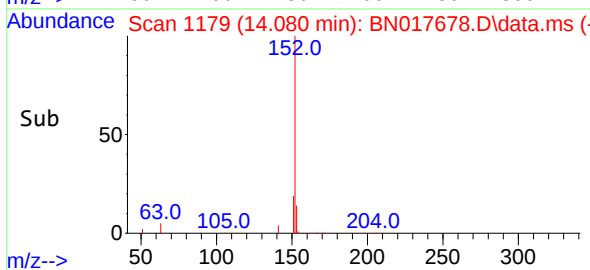
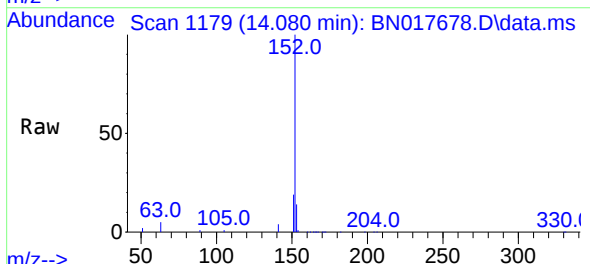
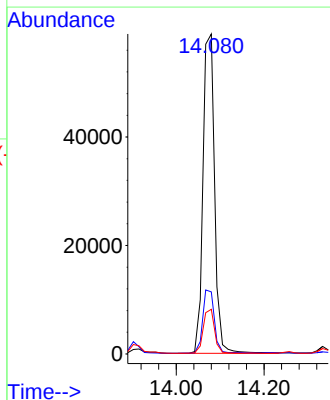
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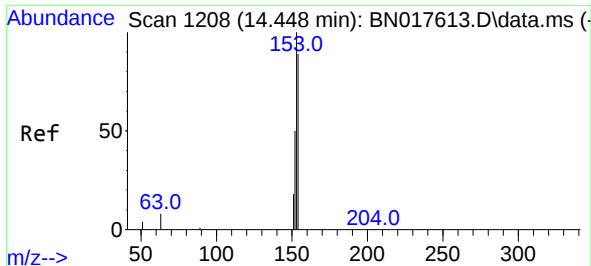
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#16
Acenaphthylene
Concen: 0.492 ng
RT: 14.080 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

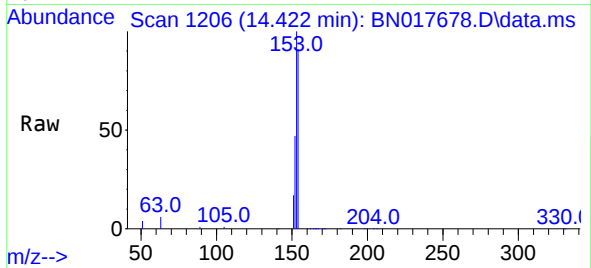
Tgt Ion:152 Resp: 108502
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.6 10.4 15.6





#17
Acenaphthene
Concen: 0.698 ng
RT: 14.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

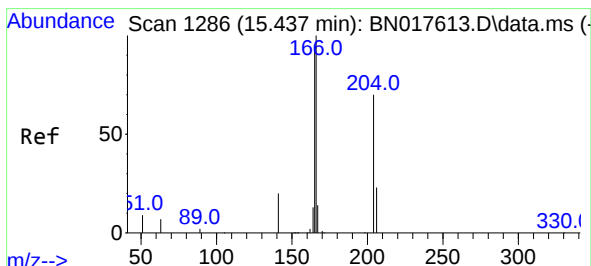
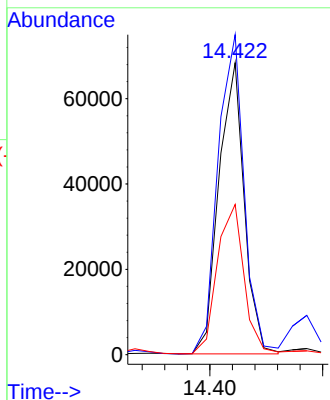
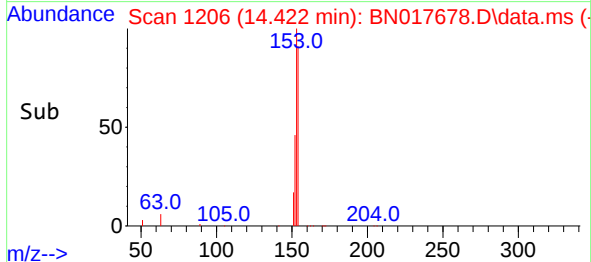
Instrument :
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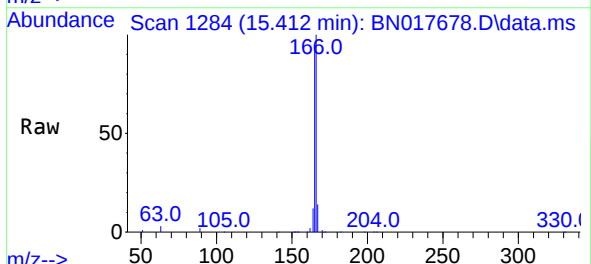
Tgt Ion:154 Resp: 10628
Ion Ratio Lower Upper
154 100
153 113.3 91.2 136.8
152 55.2 44.3 66.5

Manual Integrations
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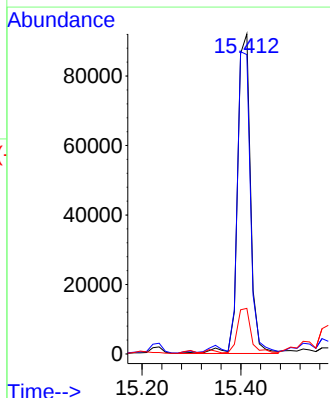
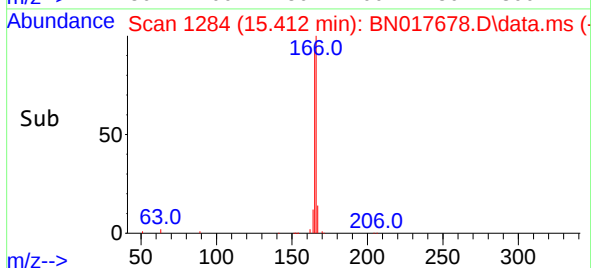
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

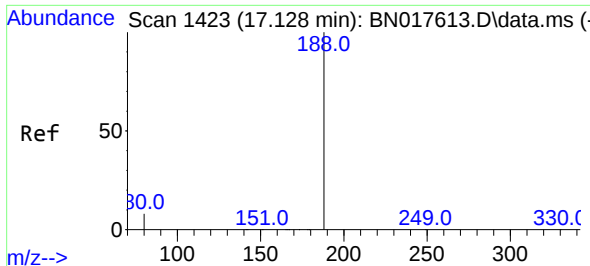


#18
Fluorene
Concen: 0.898 ng
RT: 15.412 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



Tgt Ion:166 Resp: 166138
Ion Ratio Lower Upper
166 100
165 98.5 77.9 116.9
167 14.7 10.9 16.3





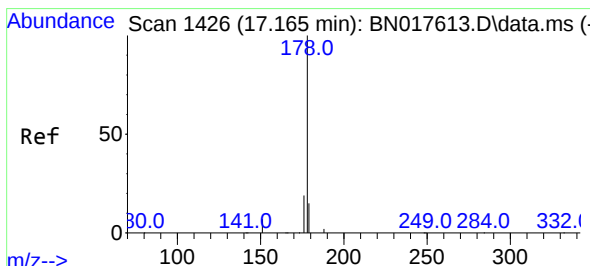
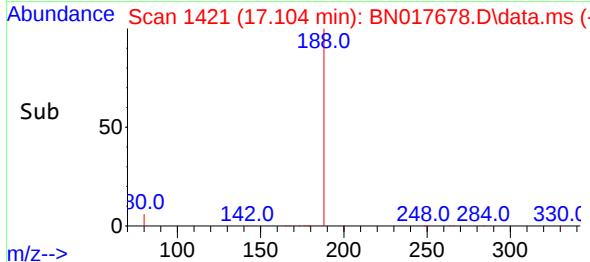
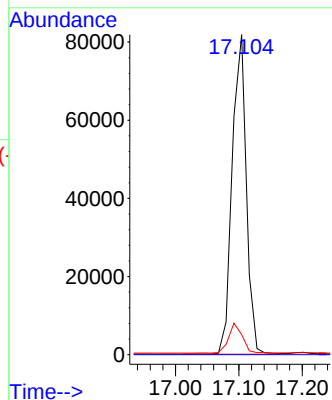
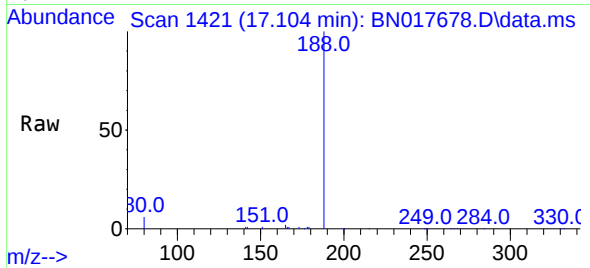
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Instrument :
BNA_N
ClientSampleId :
SLAB-10

Tgt Ion:188 Resp: 12684
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 6.1 9.1

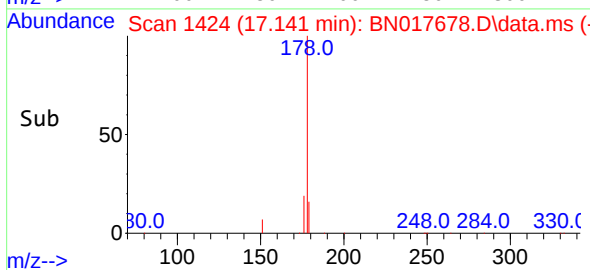
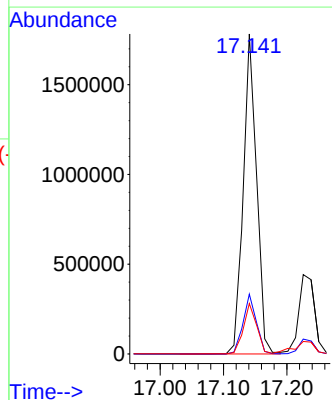
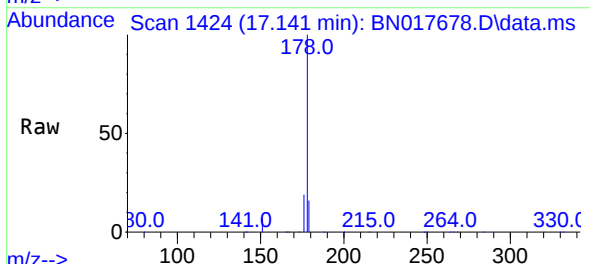
Manual Integrations
APPROVED

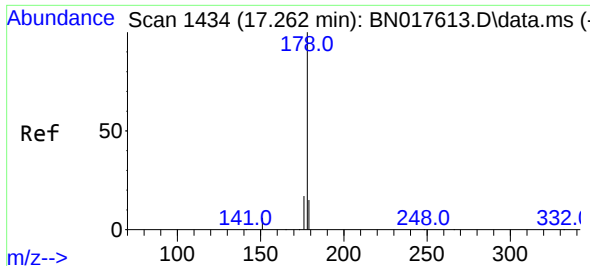
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#25
Phenanthrene
Concen: 7.501 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

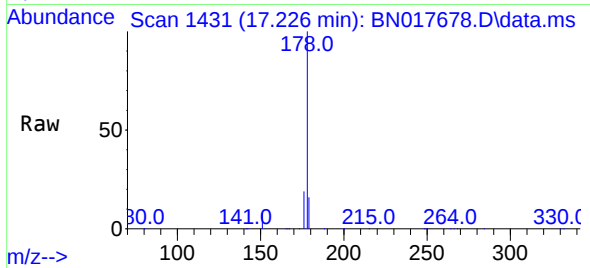
Tgt Ion:178 Resp: 2609684
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.8 12.3 18.5





#26
 Anthracene
 Concen: 2.449 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017678.D
 Acq: 02 Dec 2021 09:27

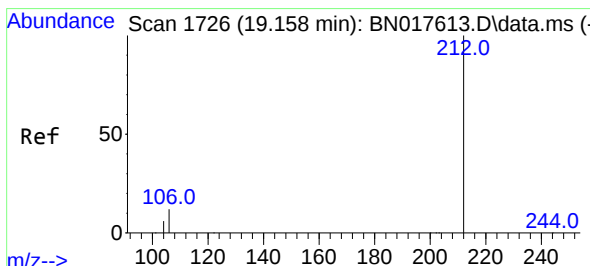
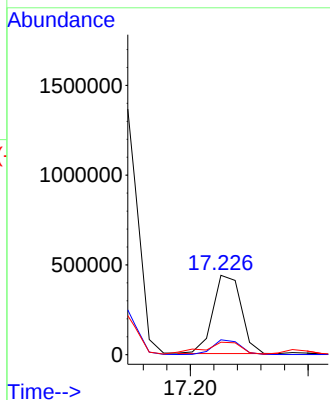
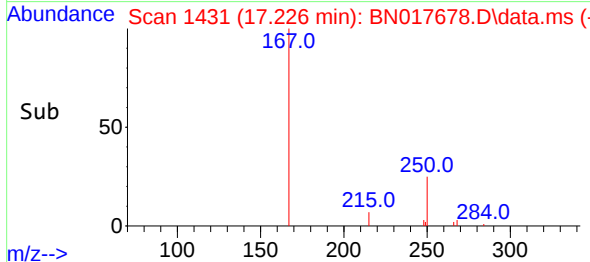
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-10



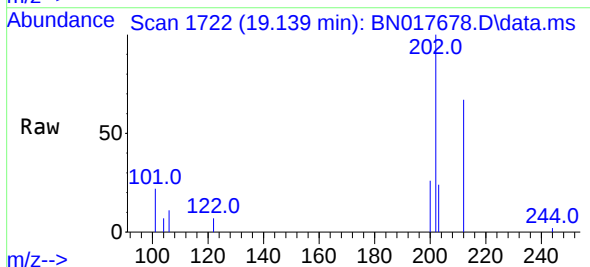
Tgt Ion:178 Resp: 732214
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 22.0
 179 20.3 12.2 18.4

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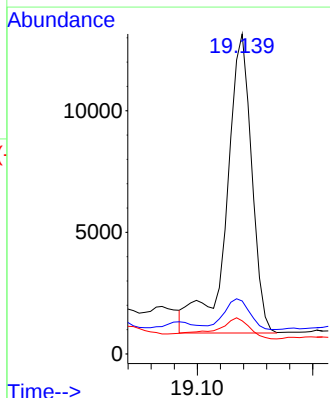
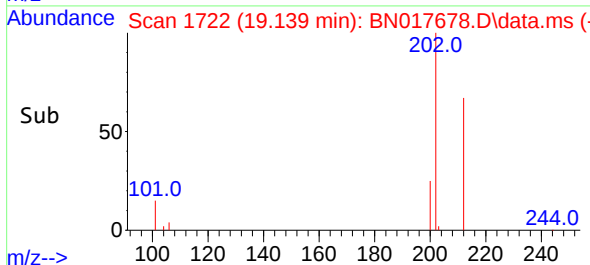
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

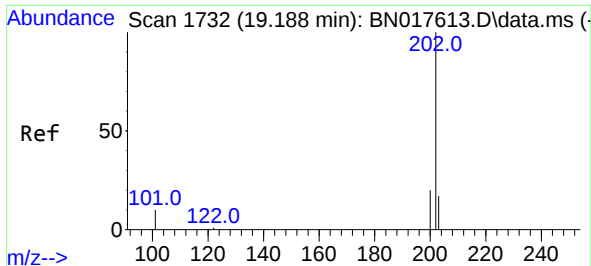


#27
 Fluoranthene-d10
 Concen: 0.047 ng m
 RT: 19.139 min Scan# 1722
 Delta R.T. 0.005 min
 Lab File: BN017678.D
 Acq: 02 Dec 2021 09:27



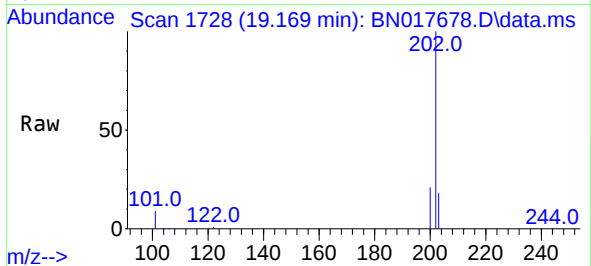
Tgt Ion:212 Resp: 18668
 Ion Ratio Lower Upper
 212 100
 106 10.2 10.5 15.7#
 104 10.2 5.8 8.6#





#28
Fluoranthene
Concen: 12.941 ng
RT: 19.169 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

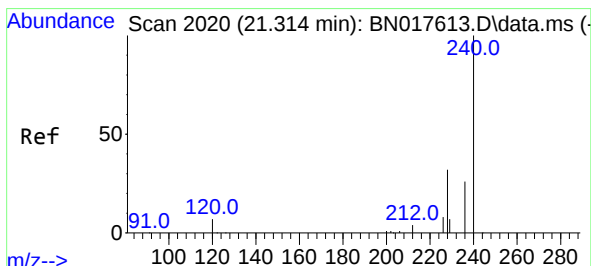
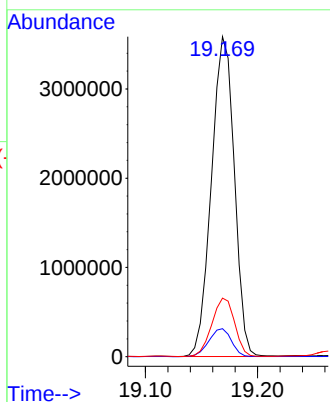
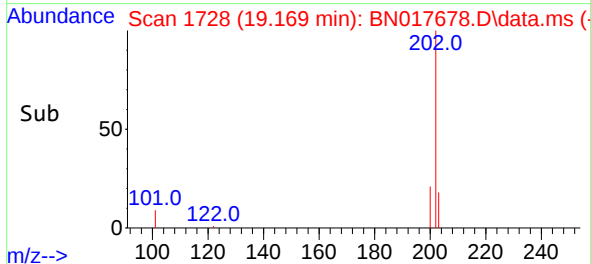
Instrument :
BNA_N
ClientSampleId :
SLAB-10



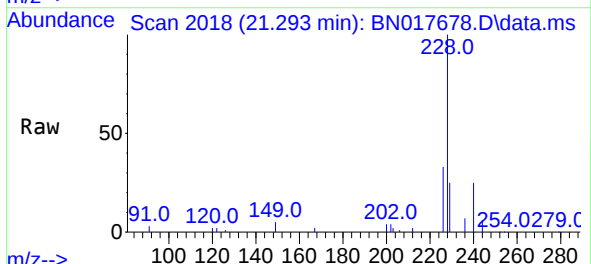
Tgt Ion:202 Resp: 5094940
Ion Ratio Lower Upper
202 100
101 8.6 8.9 13.3
203 18.1 13.8 20.6

Manual Integrations
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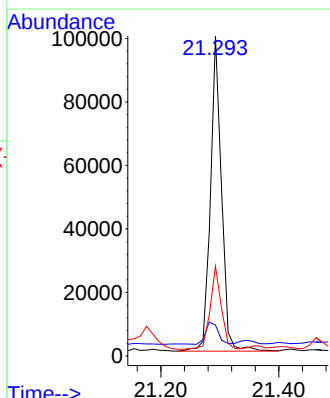
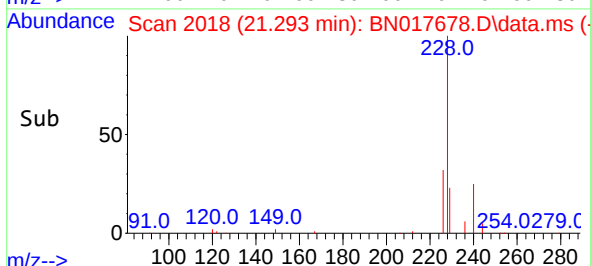
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

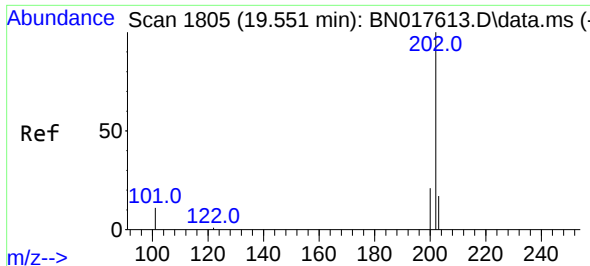


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 2018
Delta R.T. 0.011 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



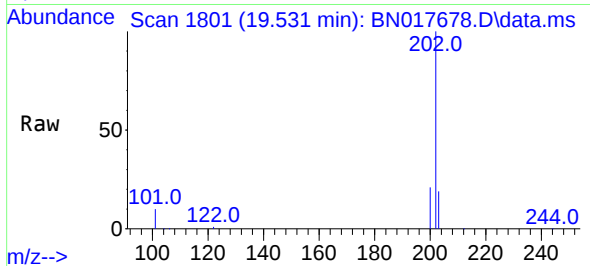
Tgt Ion:240 Resp: 128953
Ion Ratio Lower Upper
240 100
120 9.7 4.2 6.2
236 28.1 20.0 30.0





#30
Pyrene
Concen: 10.968 ng
RT: 19.531 min Scan# 1801
Delta R.T. 0.005 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

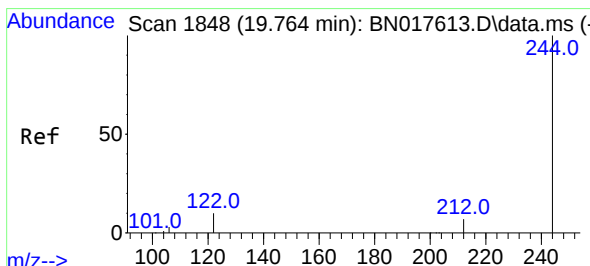
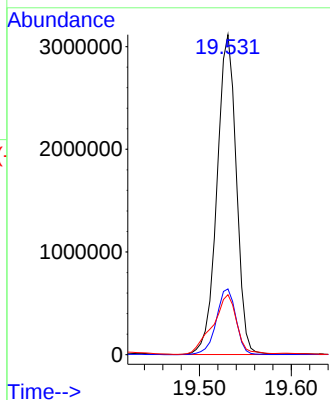
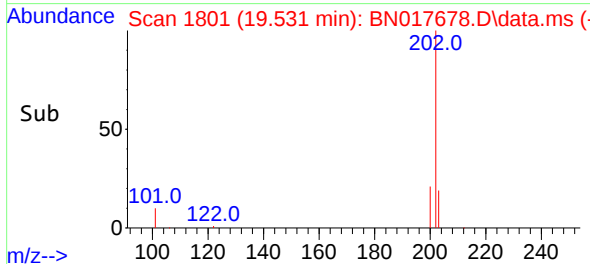
Instrument :
BNA_N
ClientSampleId :
SLAB-10



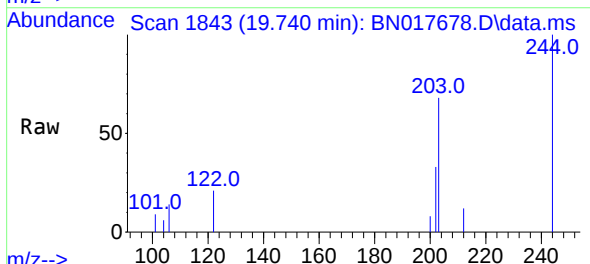
Tgt Ion:202 Resp: 4565739
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.2 14.0 21.0

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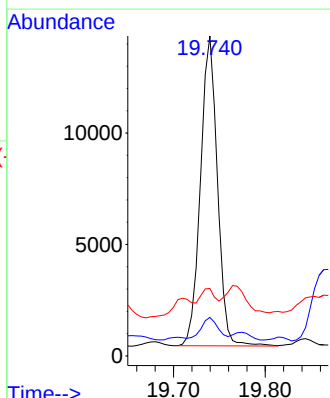
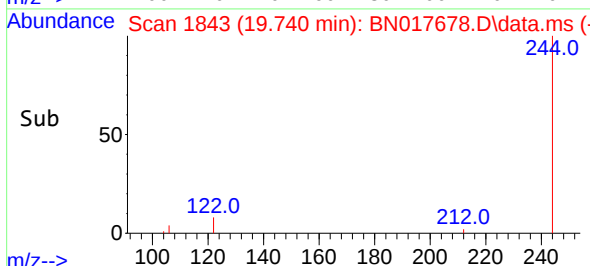
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

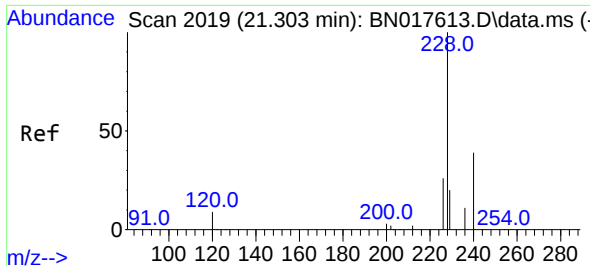


#31
Terphenyl-d14
Concen: 0.063 ng
RT: 19.740 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



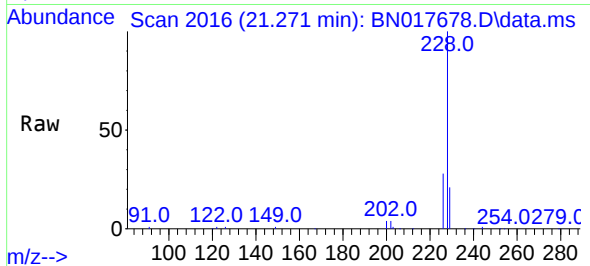
Tgt Ion:244 Resp: 17833
Ion Ratio Lower Upper
244 100
212 12.1 5.7 8.5#
122 21.1 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 7.477 ng
RT: 21.271 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

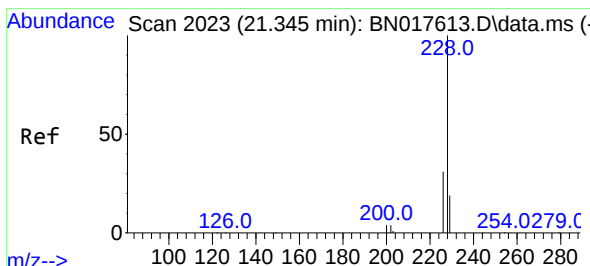
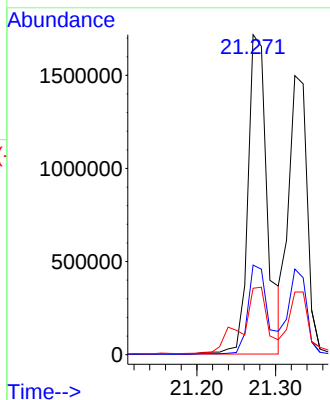
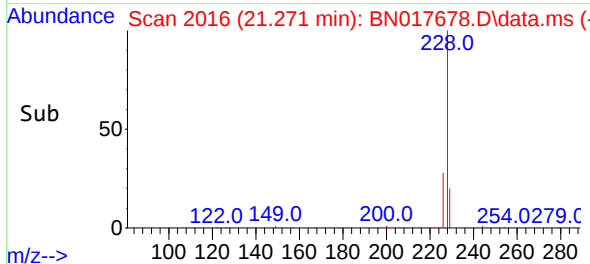
Instrument :
BNA_N
ClientSampleId :
SLAB-10



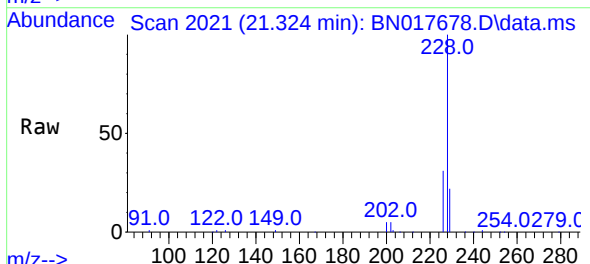
Tgt Ion:228 Resp: 292868
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 20.7 15.7 23.5

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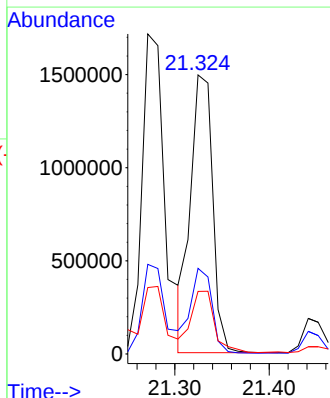
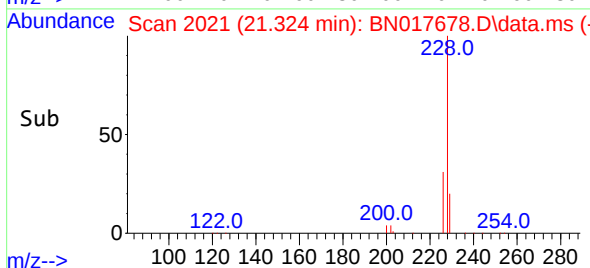
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

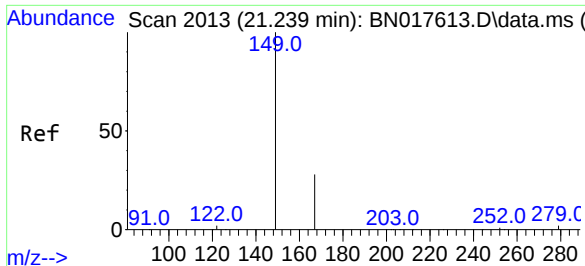


#33
Chrysene
Concen: 5.697 ng
RT: 21.324 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



Tgt Ion:228 Resp: 2427443
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 22.4 15.6 23.4





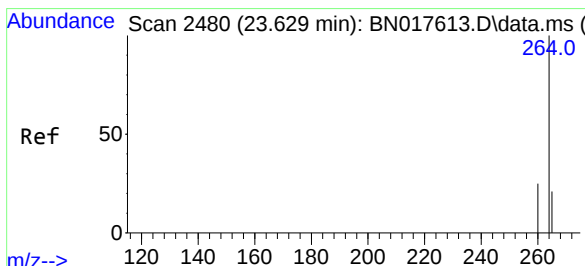
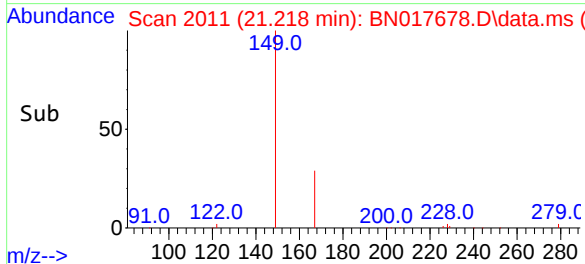
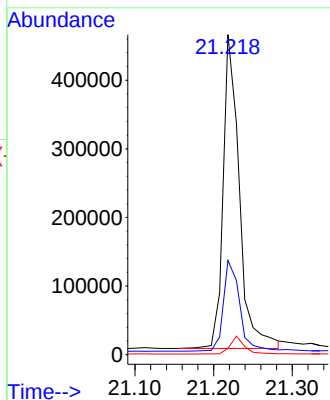
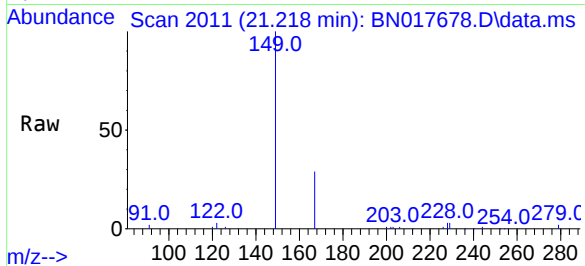
#34
Bis(2-ethylhexyl)phthalate
Concen: 7.014 ng
RT: 21.218 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Instrument :
BNA_N
ClientSampleId :
SLAB-10

Tgt Ion:149 Resp: 65166
Ion Ratio Lower Upper
149 100
167 29.0 21.8 32.6
279 5.0 3.4 5.0

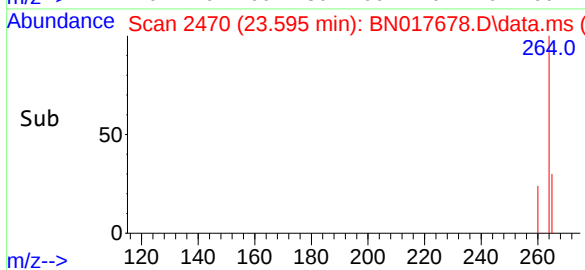
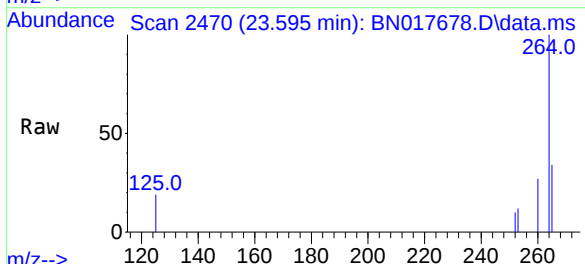
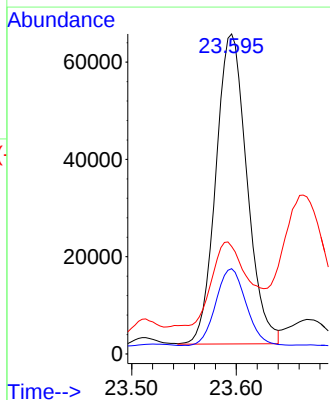
Manual Integrations
APPROVED

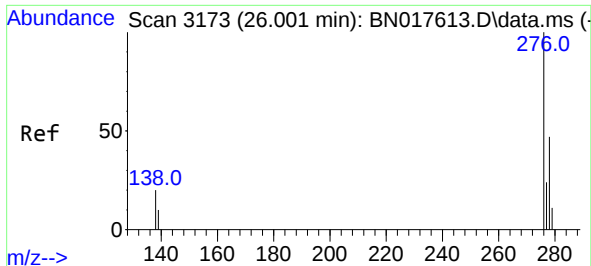
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.595 min Scan# 2470
Delta R.T. 0.014 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

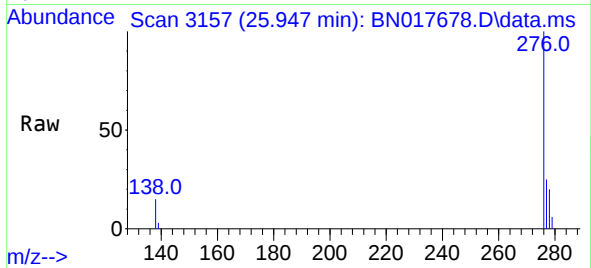
Tgt Ion:264 Resp: 131732
Ion Ratio Lower Upper
264 100
260 26.7 19.4 29.2
265 33.6 18.6 28.0#





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.727 ng
RT: 25.947 min Scan# 3173
Delta R.T. 0.007 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

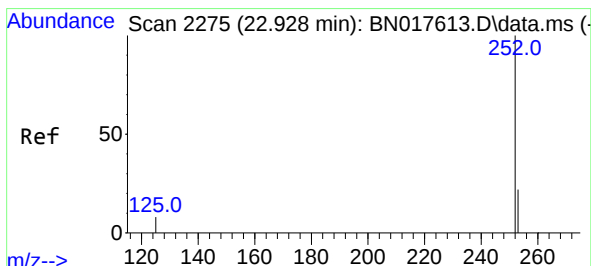
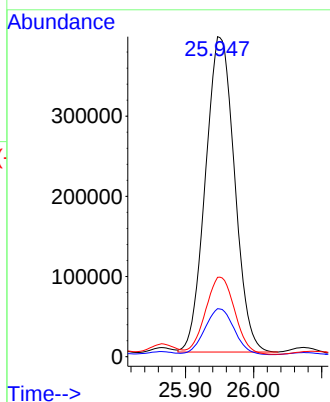
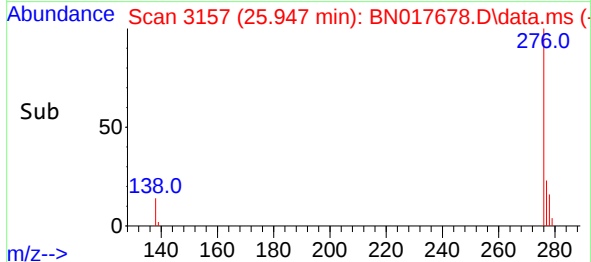
Instrument :
BNA_N
ClientSampleId :
SLAB-10



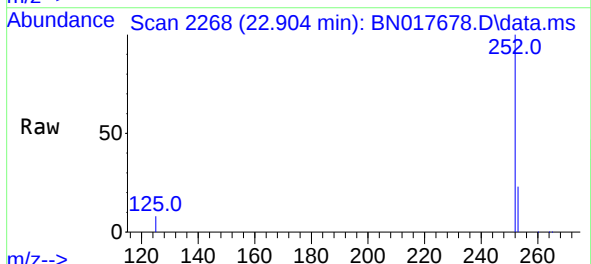
Tgt Ion:276 Resp: 1166500
Ion Ratio Lower Upper
276 100
138 14.7 19.7 29.5
277 24.7 20.0 30.0

Manual Integrations
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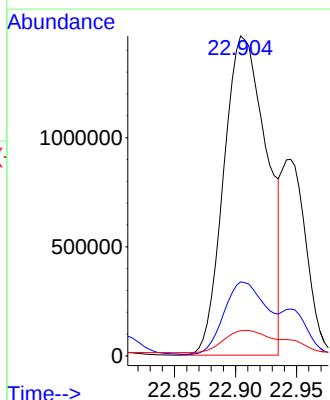
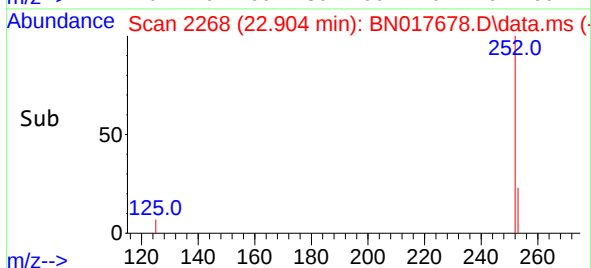
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

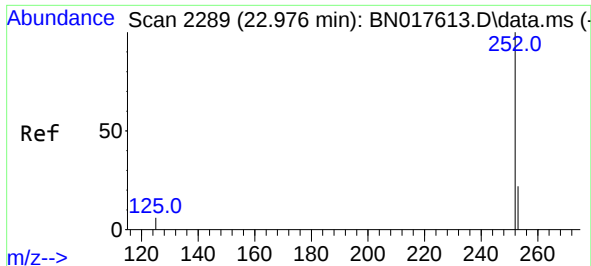


#37
Benzo(b)fluoranthene
Concen: 8.216 ng
RT: 22.904 min Scan# 2268
Delta R.T. 0.017 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



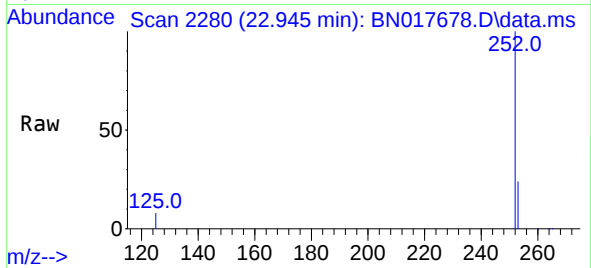
Tgt Ion:252 Resp: 3588902
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.9 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 2.819 ng m
RT: 22.945 min Scan# 21
Delta R.T. 0.010 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

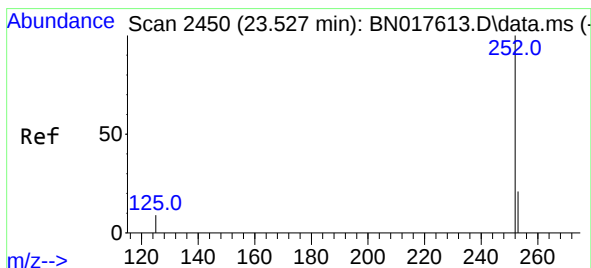
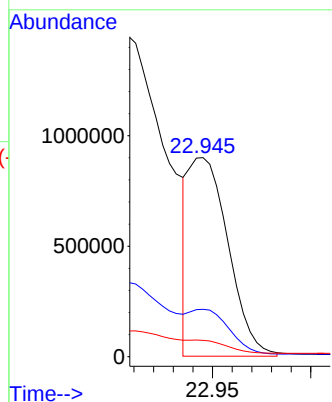
Instrument :
BNA_N
ClientSampleId :
SLAB-10



Tgt Ion:252 Resp: 126233
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 8.2 8.2 12.2

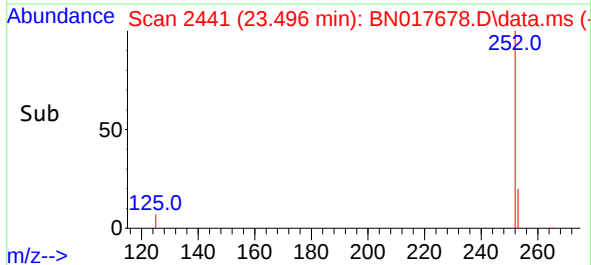
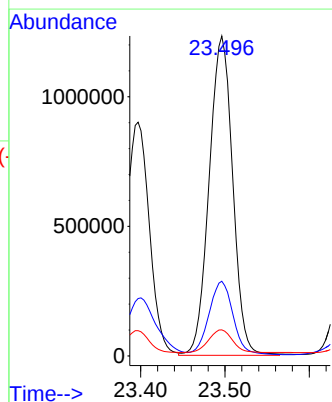
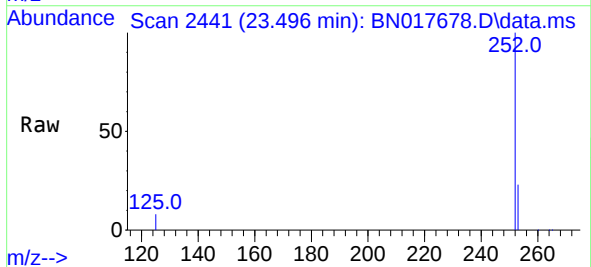
Manual Integrations
APPROVED

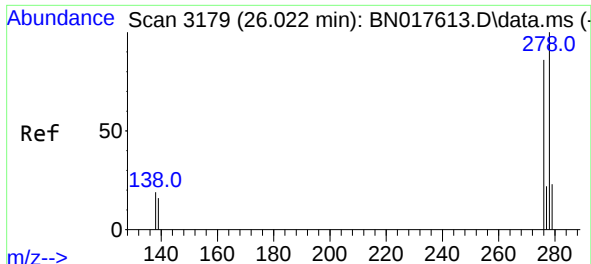
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#39
Benzo(a)pyrene
Concen: 6.123 ng m
RT: 23.496 min Scan# 2441
Delta R.T. 0.017 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

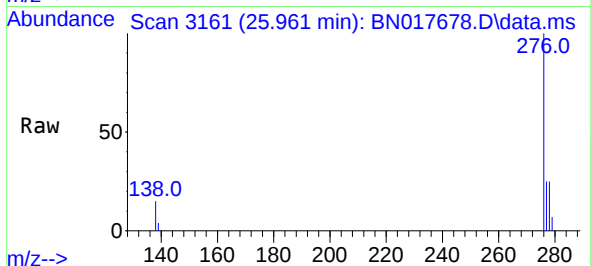
Tgt Ion:252 Resp: 2394348
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 8.1 9.2 13.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.841 ng
RT: 25.961 min Scan# 3179
Delta R.T. 0.007 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

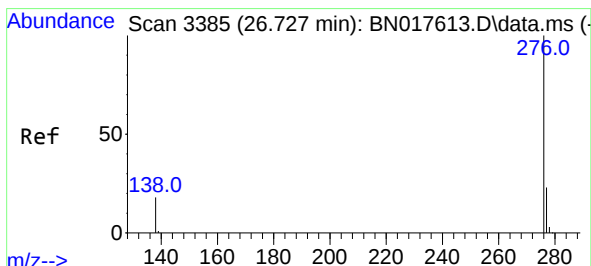
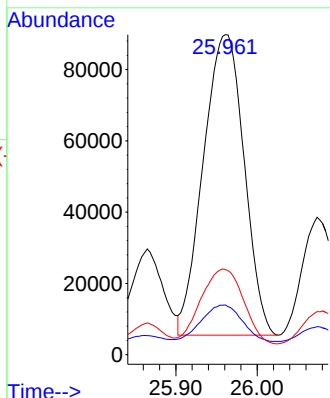
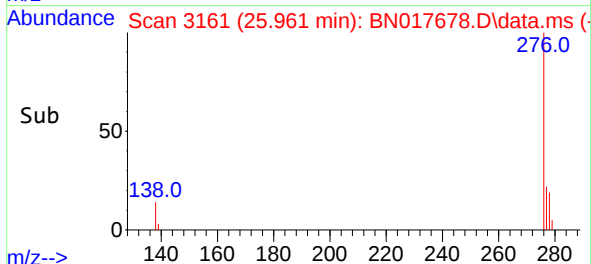
Instrument :
BNA_N
ClientSampleId :
SLAB-10



Tgt Ion:278 Resp: 293832
Ion Ratio Lower Upper
278 100
139 15.5 13.0 19.6
279 26.6 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#41
Benzo(g,h,i)perylene
Concen: 2.868 ng
RT: 26.676 min Scan# 3370
Delta R.T. 0.021 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:276 Resp: 1031425
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.4
138 15.1 17.1 25.7#

