

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017675.D
 Acq On : 02 Dec 2021 07:39
 Operator : CG/JU
 Sample : M4895-07 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-7

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 08:32:54 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	18355	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	81106	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	53565	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	120335	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	122675	0.400	ng	# 0.01
35) Perylene-d12	23.592	264	128994	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	46	0.001	ng	0.00
5) Phenol-d6	6.916	99	264	0.006	ng	0.00
8) Nitrobenzene-d5	8.875	82	2000m	0.058	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	5935	0.042	ng	0.00
14) 2,4,6-Tribromophenol	15.831	330	9	0.125	ng	-0.01
15) 2-Fluorobiphenyl	12.989	172	8686	0.042	ng	0.00
27) Fluoranthene-d10	19.134	212	18369	0.049	ng	0.00
31) Terphenyl-d14	19.740	244	14061	0.052	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.560	128	27401	0.134	ng	99
12) 2-Methylnaphthalene	12.182	142	7915	0.059	ng	# 96
16) Acenaphthylene	14.067	152	48876	0.234	ng	99
17) Acenaphthene	14.423	154	18619	0.129	ng	98
18) Fluorene	15.412	166	34606m	0.197	ng	
25) Phenanthrene	17.141	178	712098	2.158	ng	100
26) Anthracene	17.226	178	171084	0.603	ng	# 95
28) Fluoranthene	19.164	202	1481645	3.967	ng	# 97
30) Pyrene	19.526	202	1223348	3.089	ng	96
32) Benzo(a)anthracene	21.271	228	718264	1.928	ng	97
33) Chrysene	21.325	228	702914	1.734	ng	97
34) Bis(2-ethylhexyl)phtha...	21.218	149	120200	1.360	ng	96
36) Indeno(1,2,3-cd)pyrene	25.940	276	308367	0.736	ng	# 90
37) Benzo(b)fluoranthene	22.897	252	898993	2.102	ng	98
38) Benzo(k)fluoranthene	22.938	252	322753m	0.736	ng	
39) Benzo(a)pyrene	23.486	252	540229	1.411	ng	98
40) Dibenzo(a,h)anthracene	25.951	278	79617	0.233	ng	# 90
41) Benzo(g,h,i)perylene	26.662	276	267914	0.761	ng	# 94

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

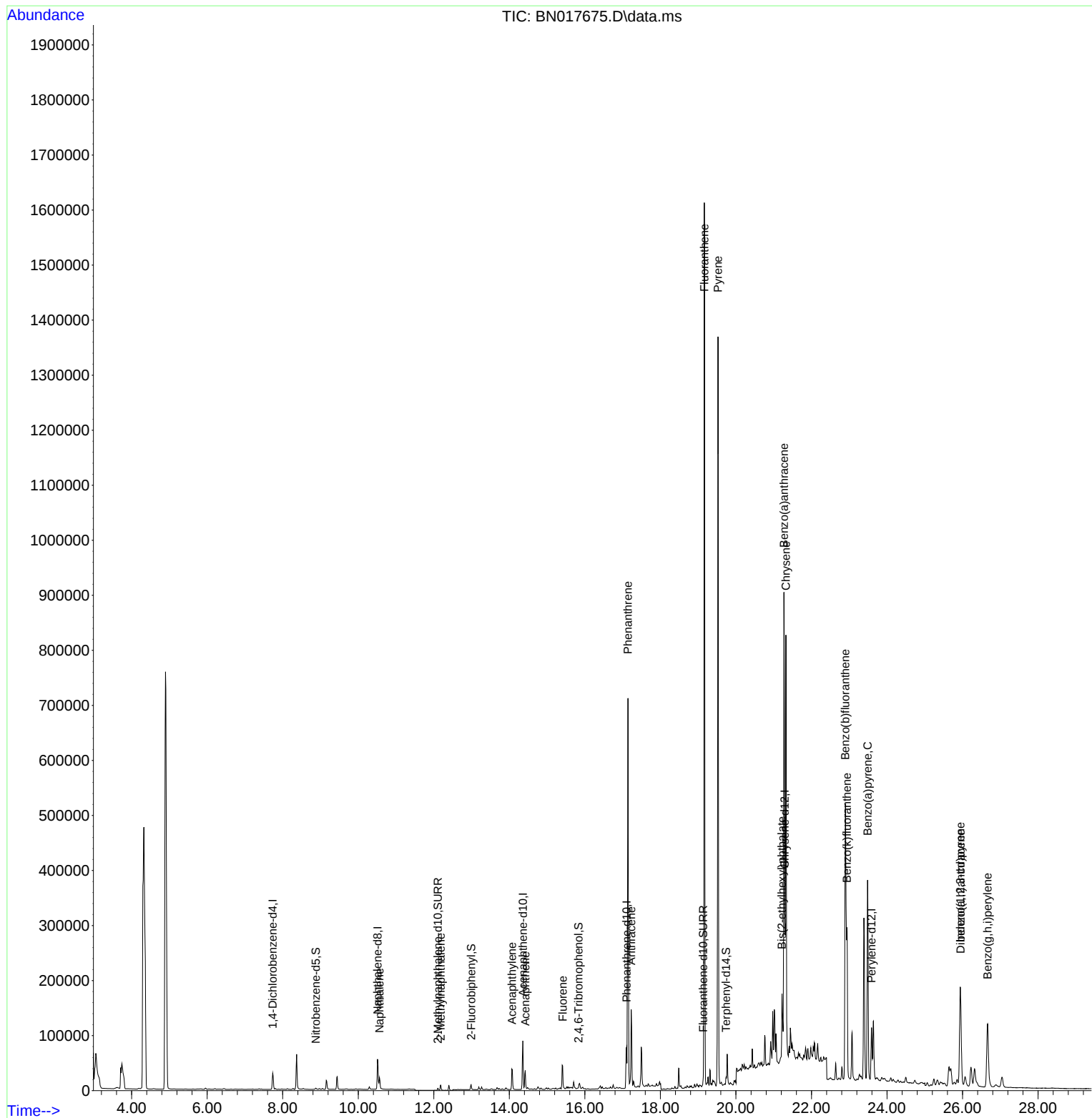
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017675.D
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ALS Vial : 26 Sample Multiplier: 1

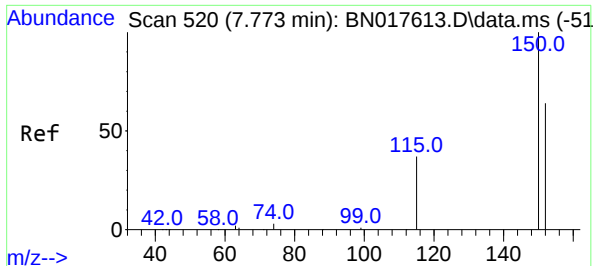
Instrument :
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Quant Time: Dec 02 08:32:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration

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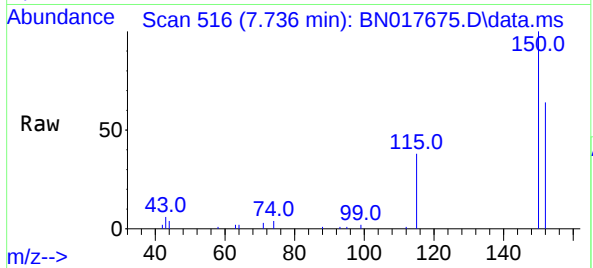
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 516
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

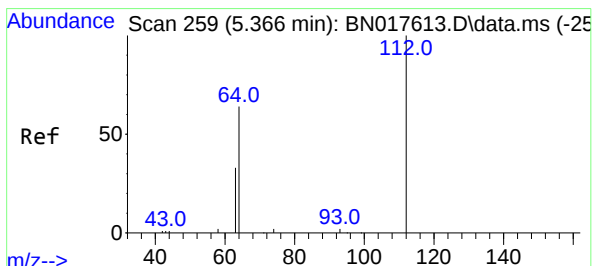
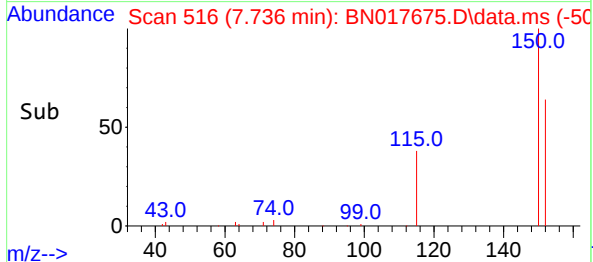
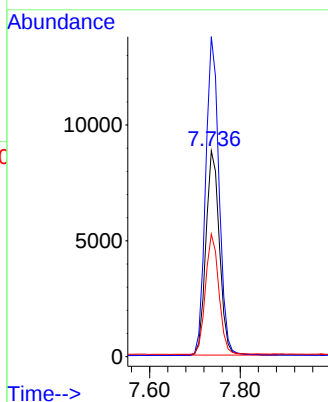
Instrument :
BNA_N
ClientSampleId :
SLAB-7



Tgt Ion:152 Resp: 1835
Ion Ratio Lower Upper
152 100
150 155.4 123.0 184.4
115 59.5 45.6 68.4

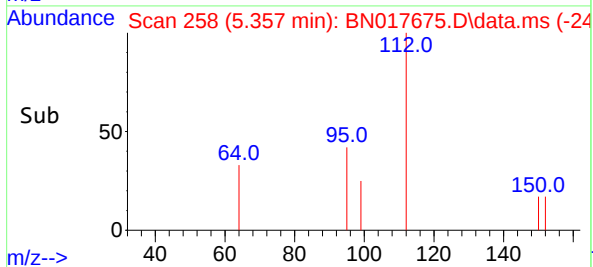
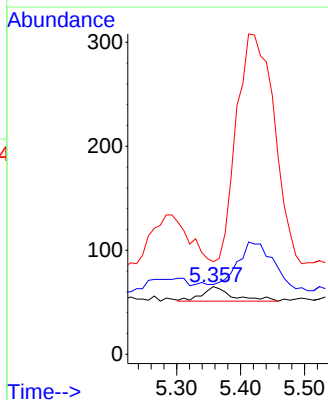
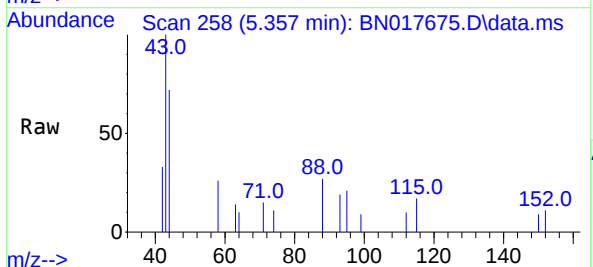
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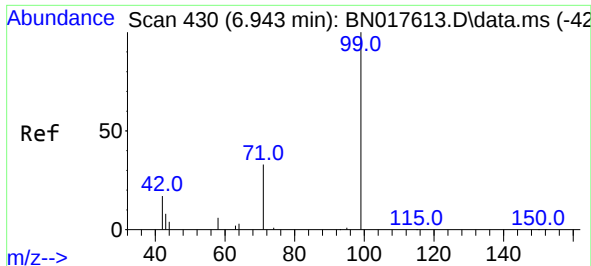
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.357 min Scan# 258
Delta R.T. 0.009 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

Tgt Ion:112 Resp: 46
Ion Ratio Lower Upper
112 100
64 0.0 47.6 71.4#
63 0.0 24.6 37.0#





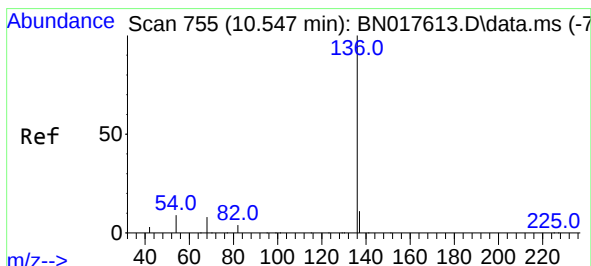
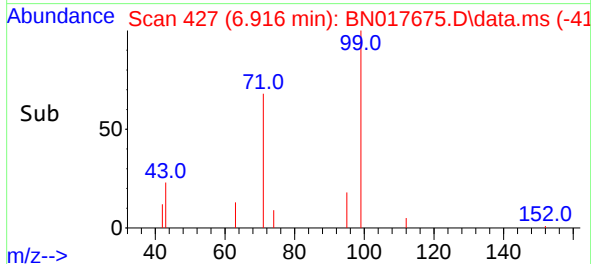
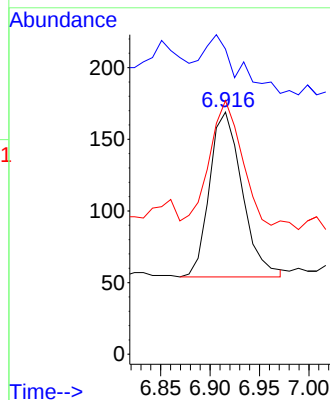
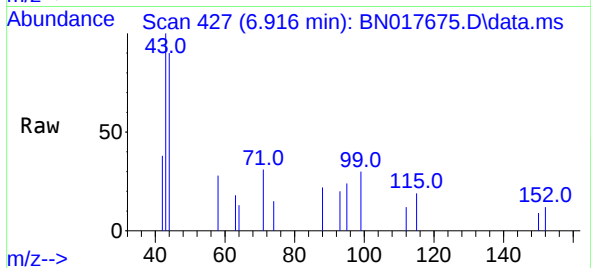
#5
Phenol-d6
Concen: 0.006 ng
RT: 6.916 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 264
Ion Ratio Lower Upper
99 100
42 38.6 17.0 25.6
71 74.6 24.8 37.2

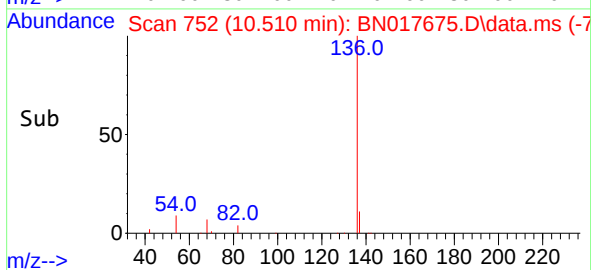
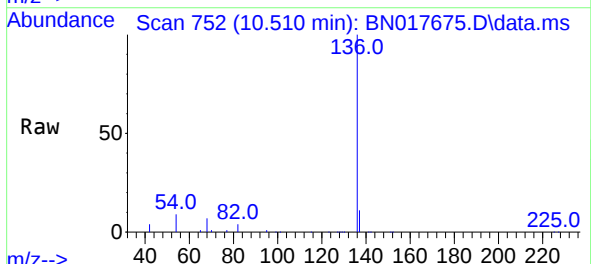
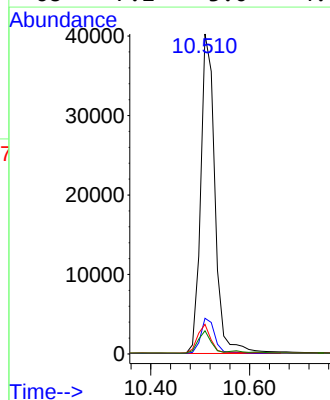
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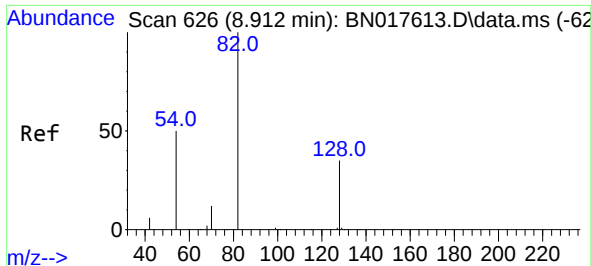
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

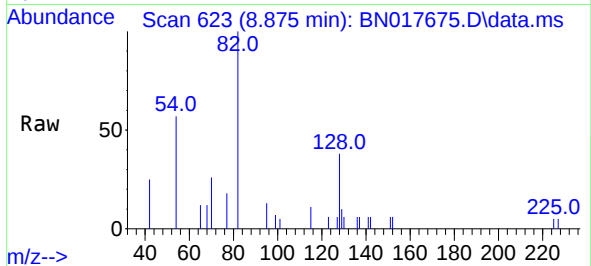
Tgt Ion:136 Resp: 81106
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.3 4.0 6.0#
68 7.2 3.0 4.6#





#8
Nitrobenzene-d5
Concen: 0.058 ng m
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

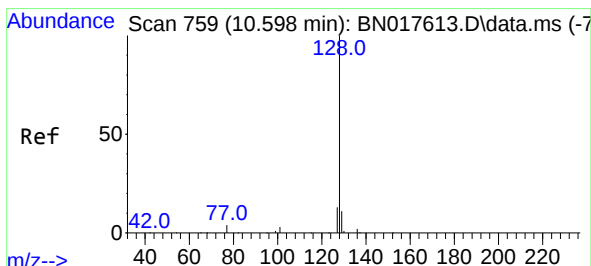
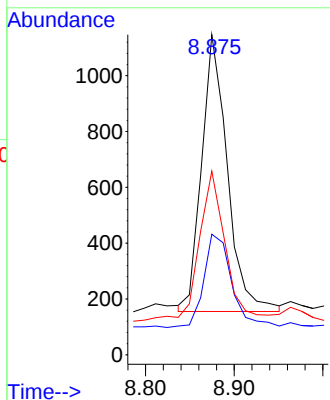
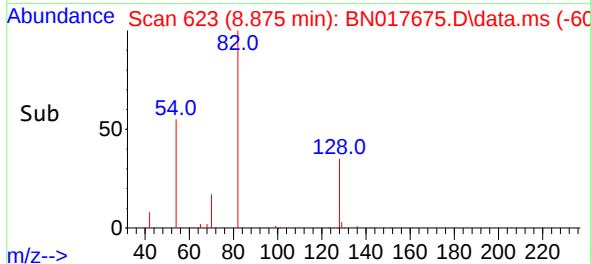
Instrument :
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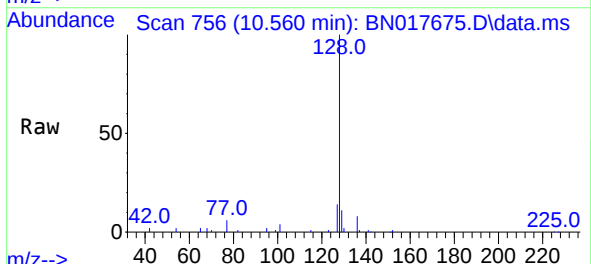
Tgt Ion: 82 Resp: 2000
Ion Ratio Lower Upper
82 100
128 37.7 27.7 41.5
54 57.4 49.2 73.8

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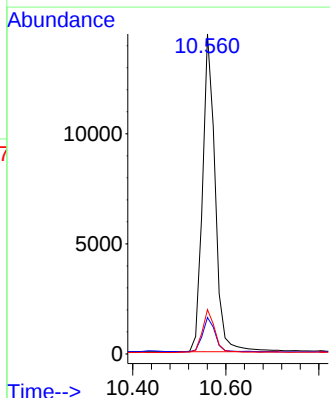
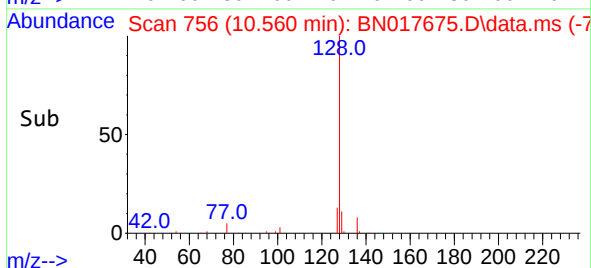
Reviewed By :Jagrut Upadhyay 12/02/2021
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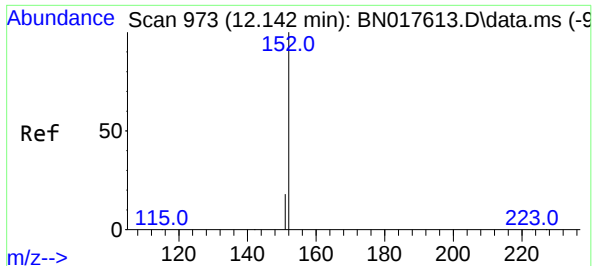


#9
Naphthalene
Concen: 0.134 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



Tgt Ion:128 Resp: 27401
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.8 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.042 ng

RT: 12.107 min Scan# 90

Delta R.T. 0.000 min

Lab File: BN017675.D

Acq: 02 Dec 2021 07:39

Instrument :

BNA_N

ClientSampleId :

SLAB-7

Tgt Ion:152 Resp: 593

Ion Ratio Lower Upper

152 100

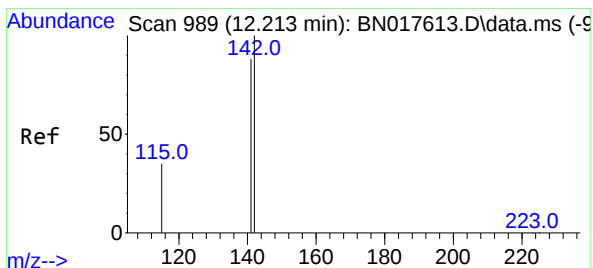
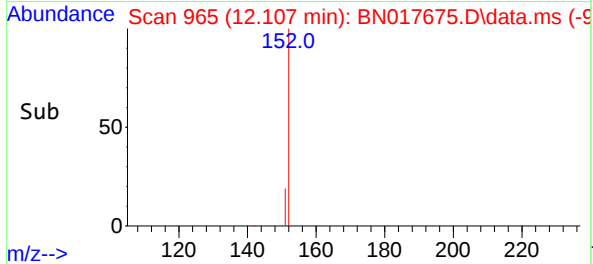
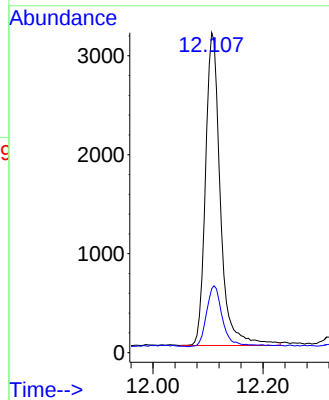
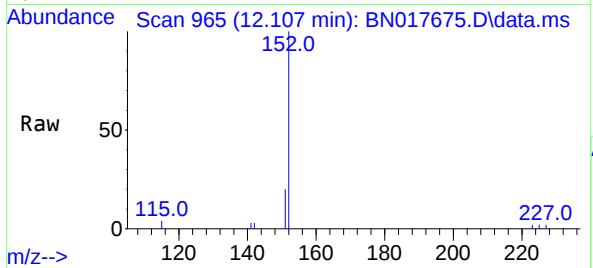
151 20.8 16.2 24.4

Manual Integrations

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#12

2-Methylnaphthalene

Concen: 0.059 ng

RT: 12.182 min Scan# 982

Delta R.T. 0.000 min

Lab File: BN017675.D

Acq: 02 Dec 2021 07:39

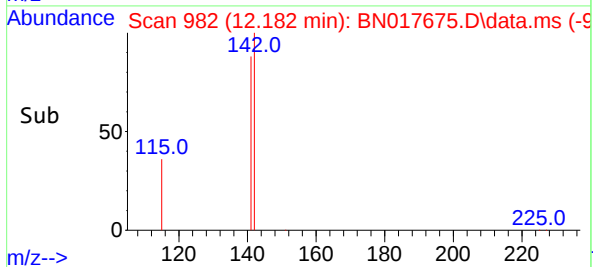
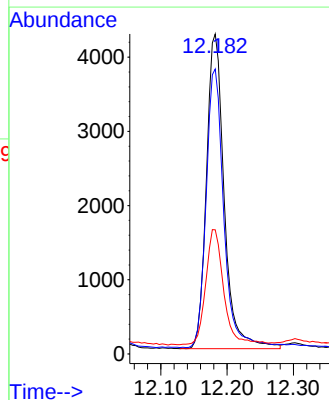
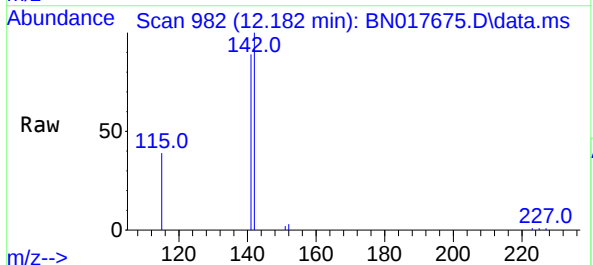
Tgt Ion:142 Resp: 7915

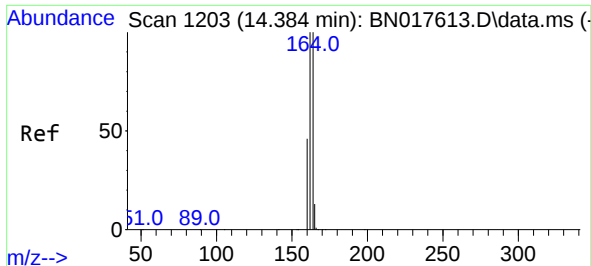
Ion Ratio Lower Upper

142 100

141 89.1 70.6 106.0

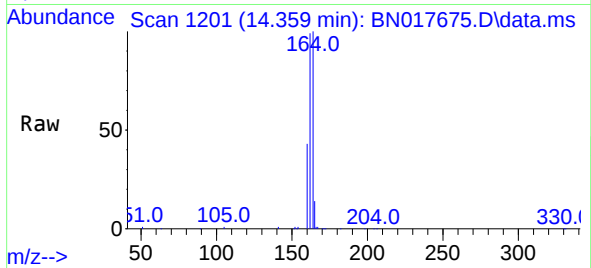
115 38.8 25.8 38.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

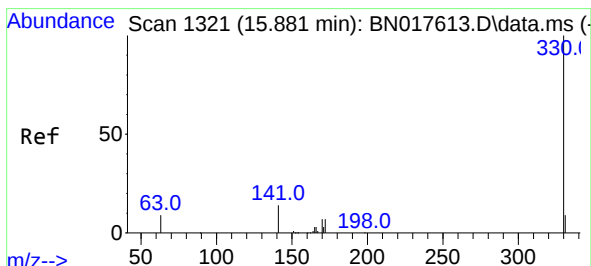
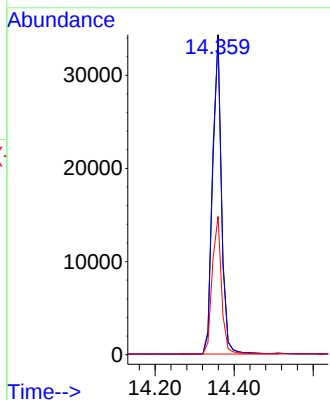
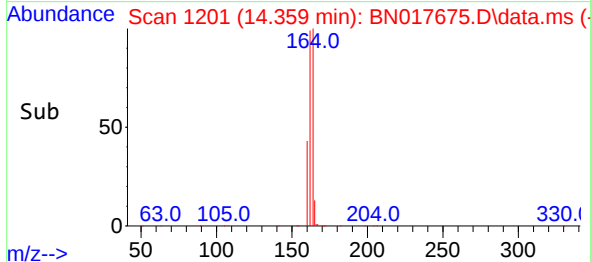
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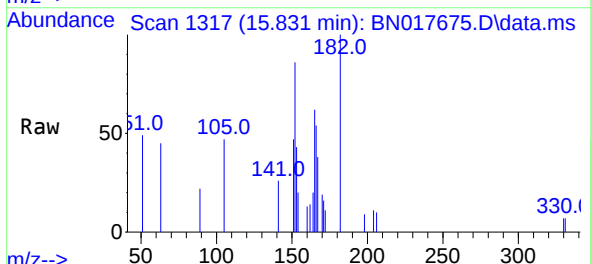
Tgt Ion:164 Resp: 5356
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.2
160 43.2 36.8 55.2

Manual Integrations
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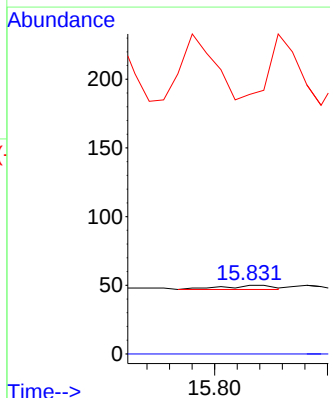
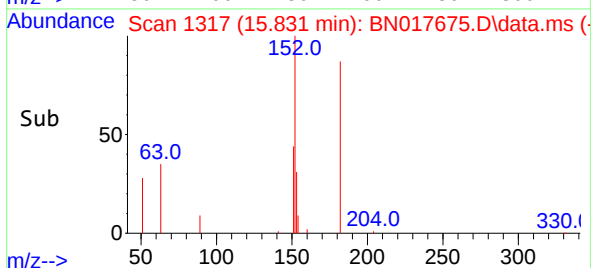
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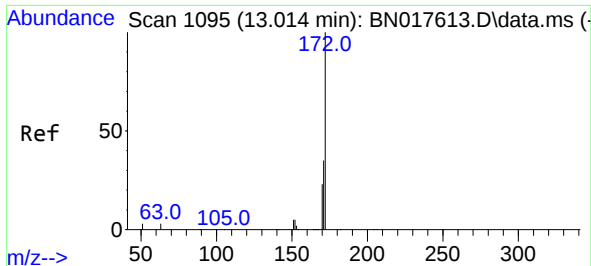


#14
2,4,6-Tribromophenol
Concen: 0.125 ng
RT: 15.831 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



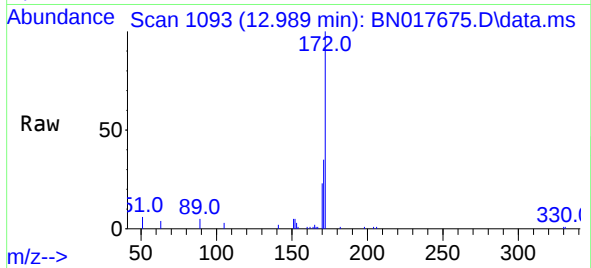
Tgt Ion:330 Resp: 9
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 28.9 43.3#





#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 12.989 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

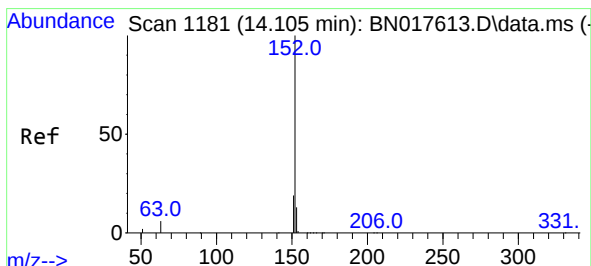
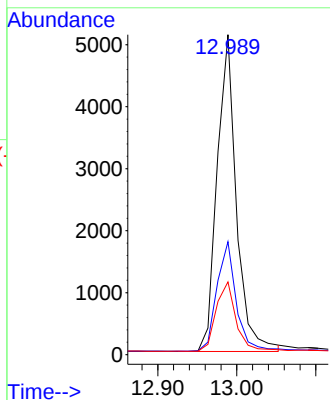
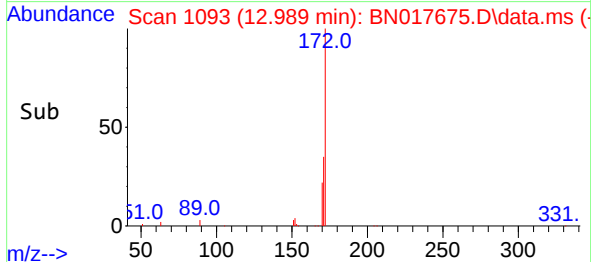
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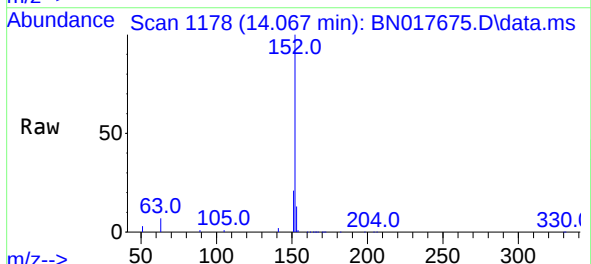
Tgt Ion:172 Resp: 8680
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 22.7 19.4 29.2

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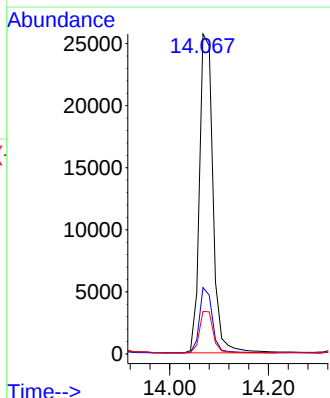
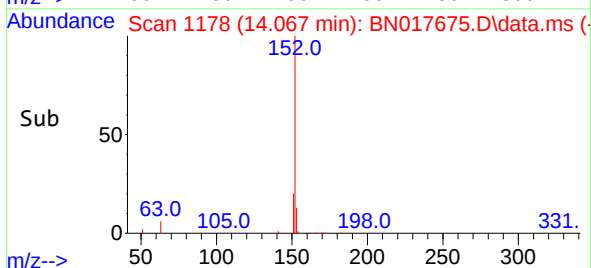
Reviewed By :Jagrut Upadhyay 12/02/2021
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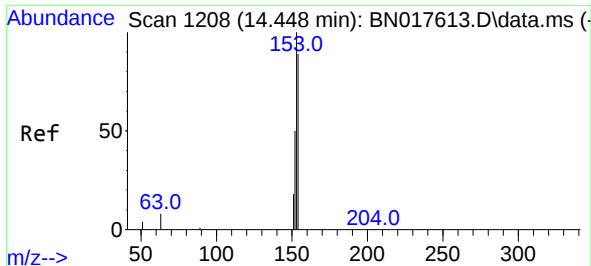


#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.067 min Scan# 1178
Delta R.T. -0.012 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



Tgt Ion:152 Resp: 48876
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.3 10.4 15.6





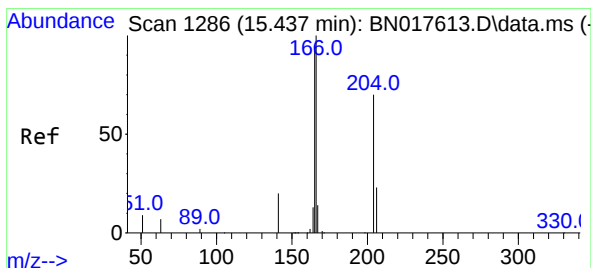
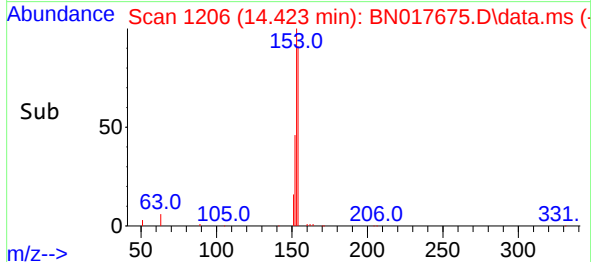
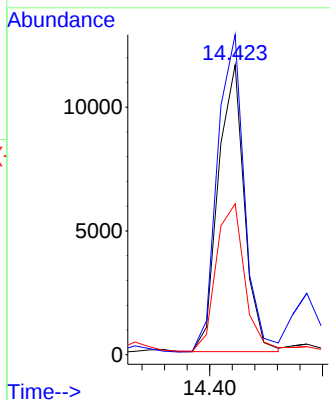
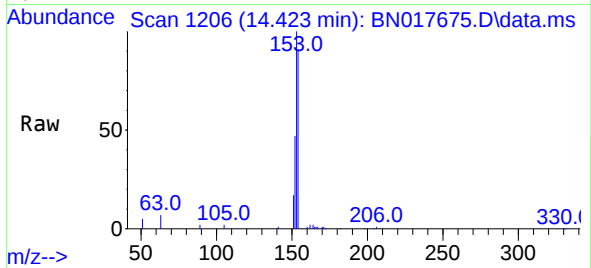
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Acenaphthene
Concen: 0.129 ng
RT: 14.423 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

Instrument :
BNA_N
ClientSampleId :
SLAB-7

Tgt Ion:154 Resp: 18619
Ion Ratio Lower Upper
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153 114.8 91.2 136.8
152 58.0 44.3 66.5

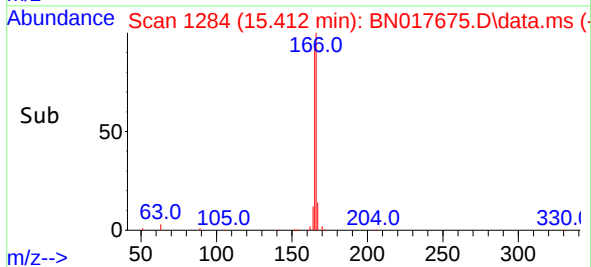
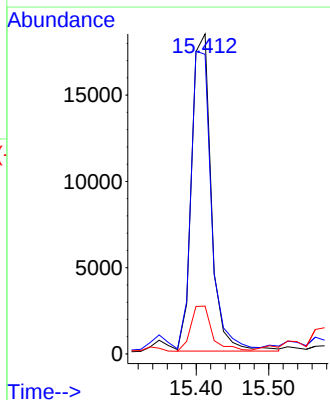
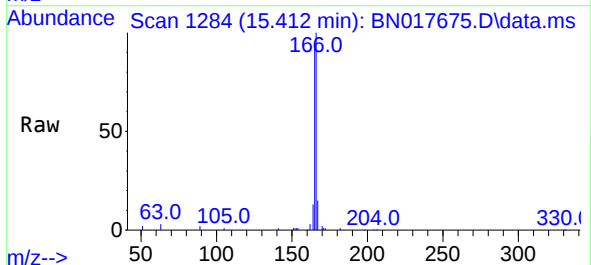
Manual Integrations
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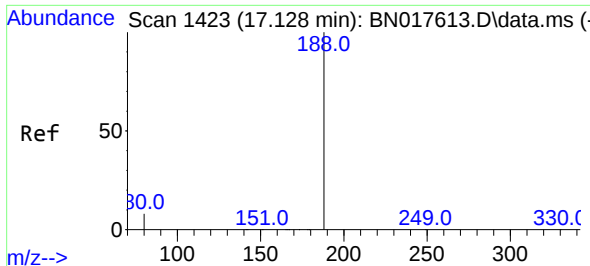
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#18
Fluorene
Concen: 0.197 ng m
RT: 15.412 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

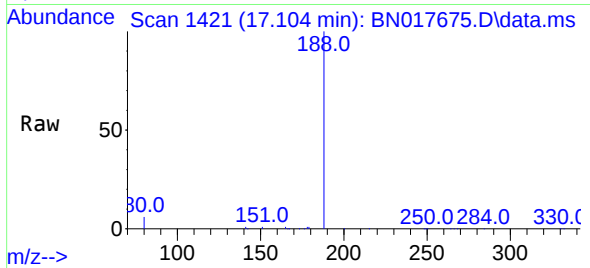
Tgt Ion:166 Resp: 34606
Ion Ratio Lower Upper
166 100
165 103.9 77.9 116.9
167 15.6 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

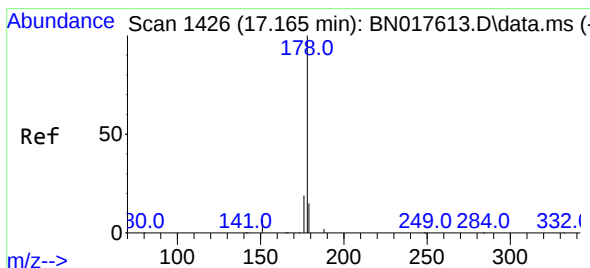
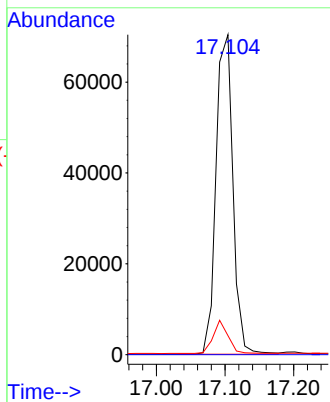
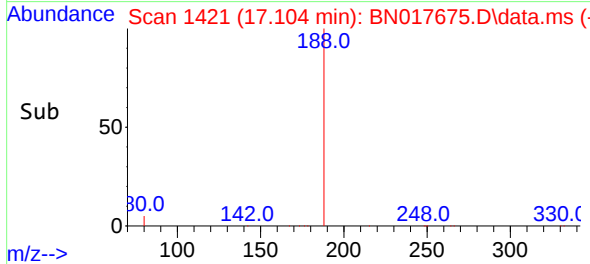
Instrument :
BNA_N
ClientSampleId :
SLAB-7



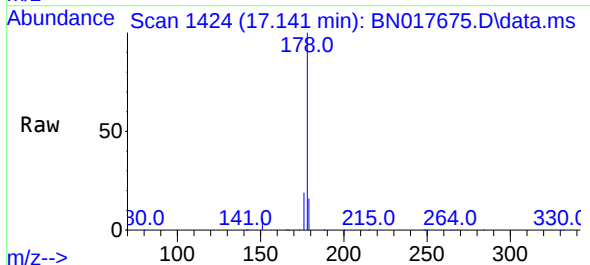
Tgt Ion:188 Resp: 120335
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.1 9.1

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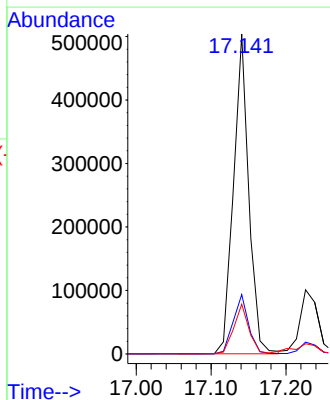
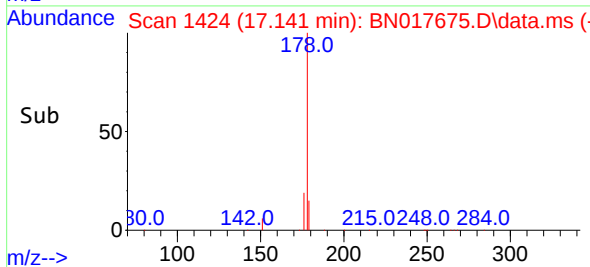
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

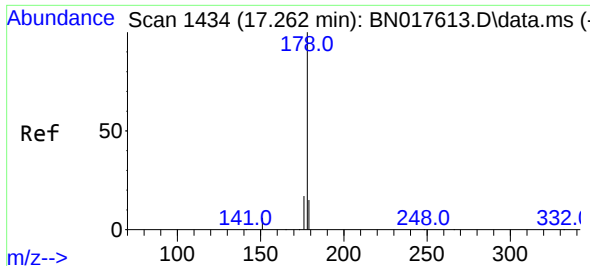


#25
Phenanthrene
Concen: 2.158 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



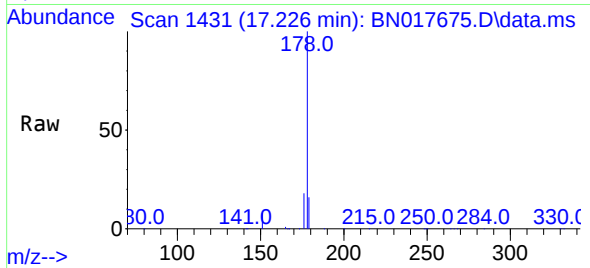
Tgt Ion:178 Resp: 712098
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.5 12.3 18.5





#26
 Anthracene
 Concen: 0.603 ng
 RT: 17.226 min Scan# 1434
 Delta R.T. -0.012 min
 Lab File: BN017675.D
 Acq: 02 Dec 2021 07:39

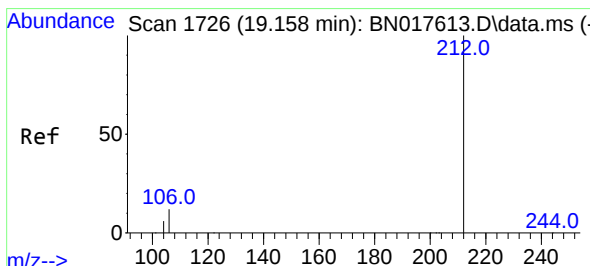
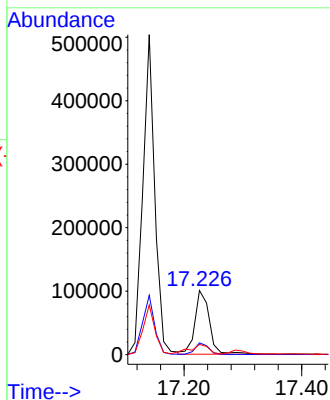
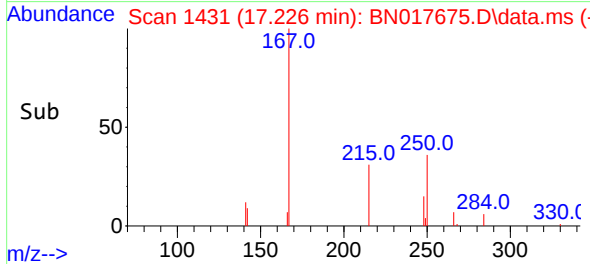
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-7



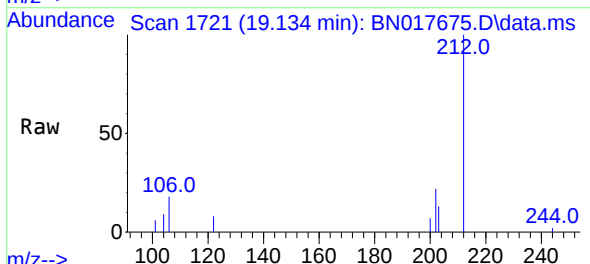
Tgt Ion:178 Resp: 171084
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 22.0
 179 19.4 12.2 18.4

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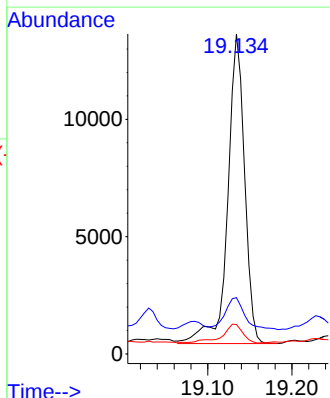
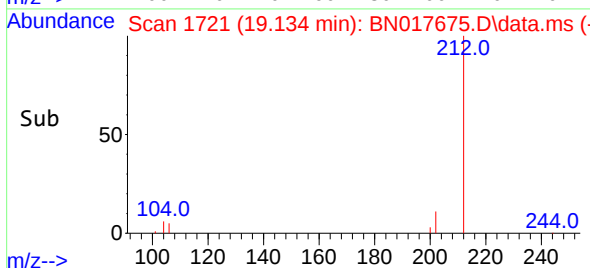
Reviewed By :Jagrut Upadhyay 12/02/2021
 Supervised By :mohammad ahmed 12/05/2021

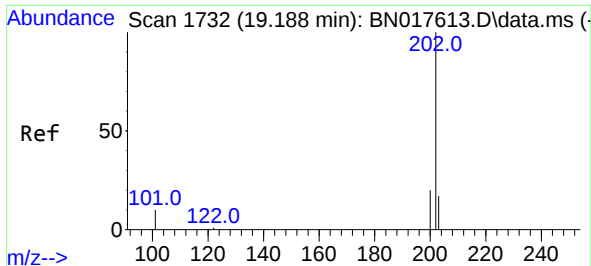


#27
 Fluoranthene-d10
 Concen: 0.049 ng
 RT: 19.134 min Scan# 1721
 Delta R.T. 0.000 min
 Lab File: BN017675.D
 Acq: 02 Dec 2021 07:39



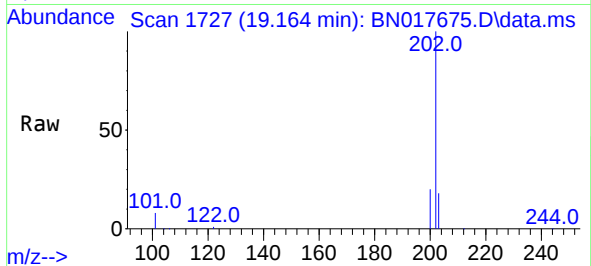
Tgt Ion:212 Resp: 18369
 Ion Ratio Lower Upper
 212 100
 106 11.9 10.5 15.7
 104 7.3 5.8 8.6





#28
Fluoranthene
Concen: 3.967 ng
RT: 19.164 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

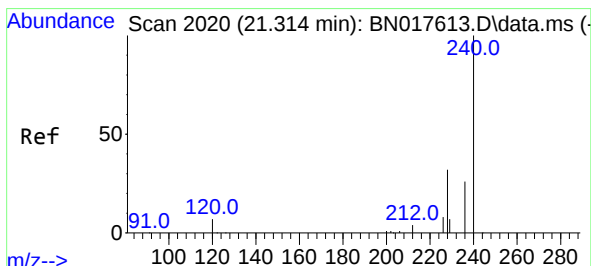
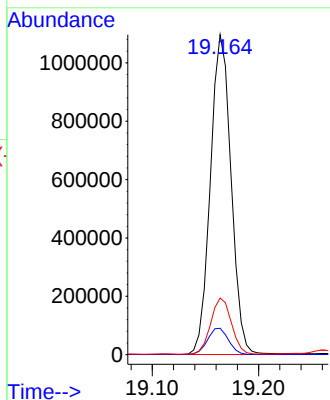
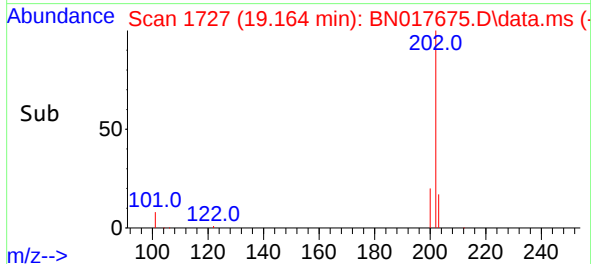
Instrument :
BNA_N
ClientSampleId :
SLAB-7



Tgt Ion:202 Resp: 148164
Ion Ratio Lower Upper
202 100
101 8.3 8.9 13.3
203 17.6 13.8 20.6

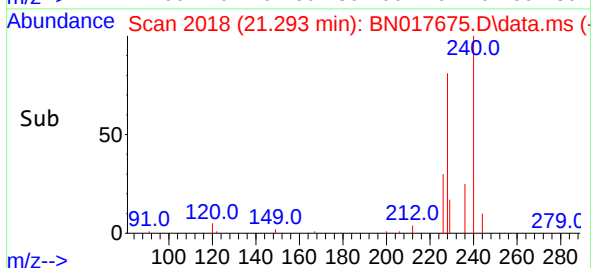
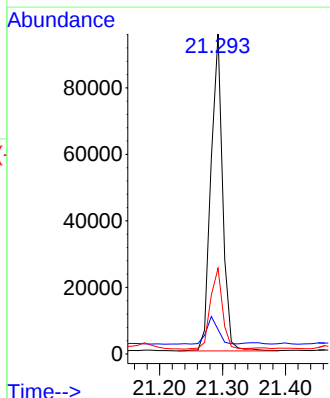
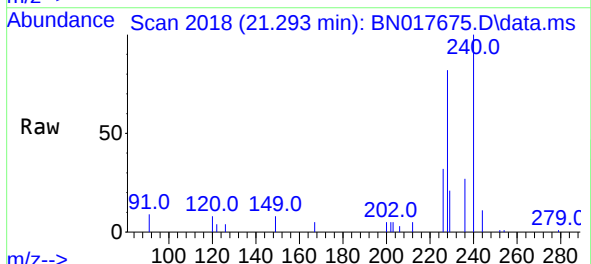
Manual Integrations
APPROVED

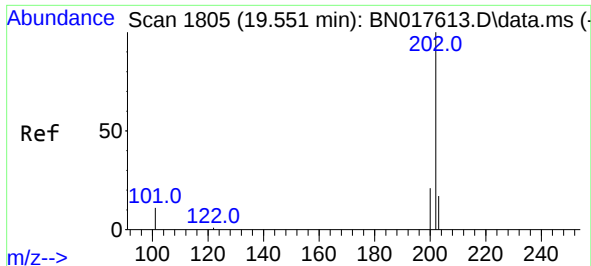
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 2018
Delta R.T. 0.011 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

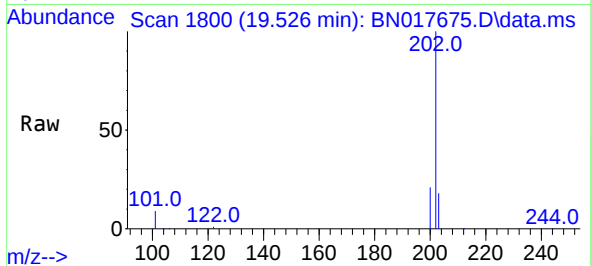
Tgt Ion:240 Resp: 122675
Ion Ratio Lower Upper
240 100
120 7.7 4.2 6.2
236 26.8 20.0 30.0





#30
Pyrene
Concen: 3.089 ng
RT: 19.526 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

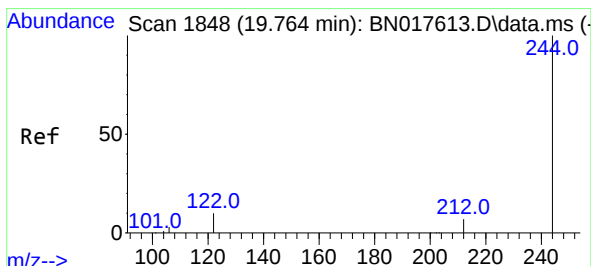
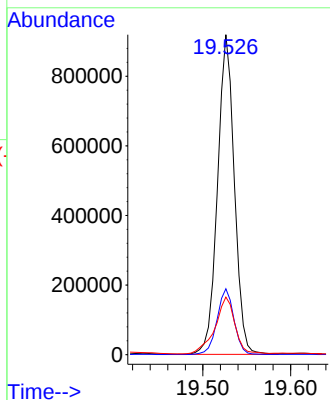
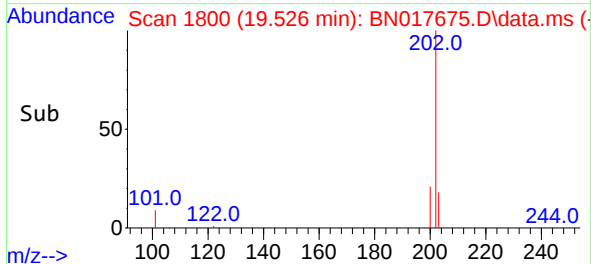
Instrument :
BNA_N
ClientSampleId :
SLAB-7



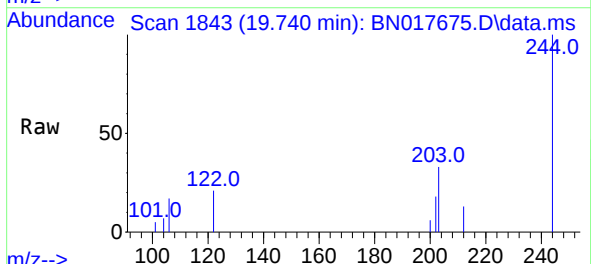
Tgt Ion:202 Resp: 122334
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.0 14.0 21.0

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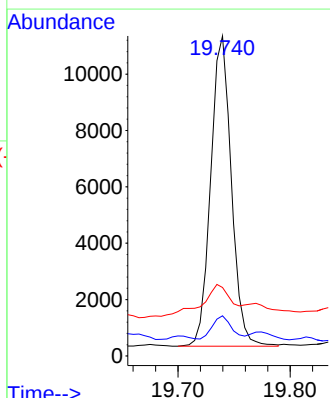
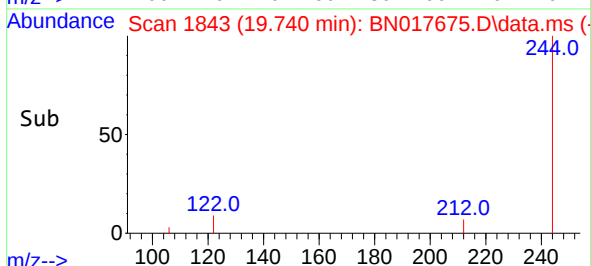
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

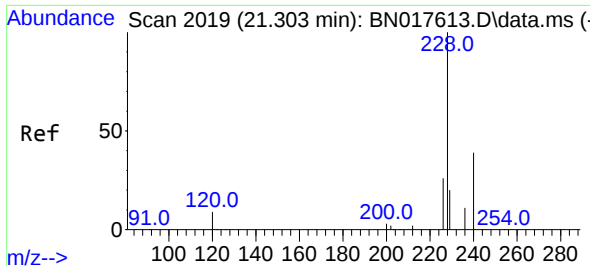


#31
Terphenyl-d14
Concen: 0.052 ng
RT: 19.740 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



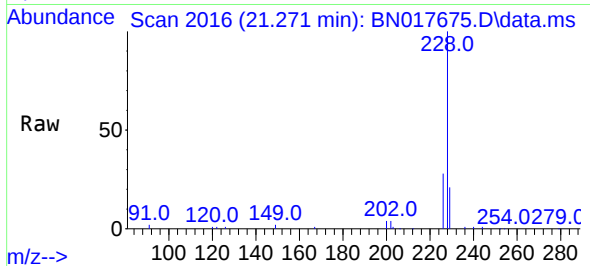
Tgt Ion:244 Resp: 14061
Ion Ratio Lower Upper
244 100
212 12.5 5.7 8.5#
122 21.4 8.6 13.0#





#32
Benzo(a)anthracene
Concen: 1.928 ng
RT: 21.271 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

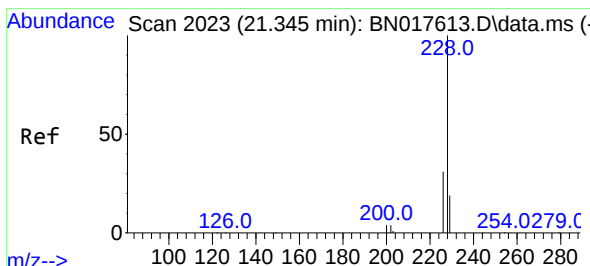
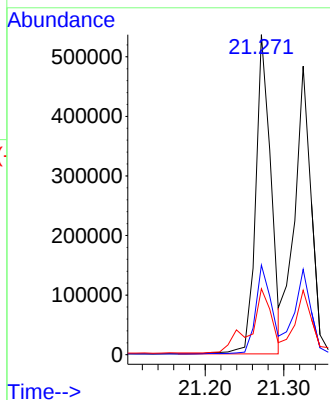
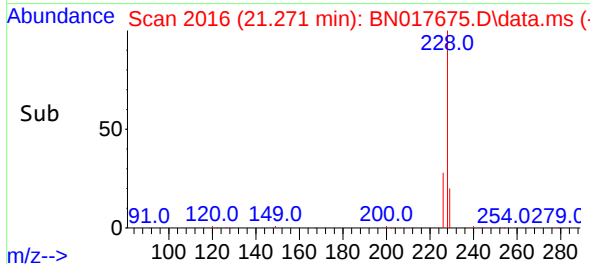
Instrument :
BNA_N
ClientSampleId :
SLAB-7



Tgt Ion:228 Resp: 718264
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 20.6 15.7 23.5

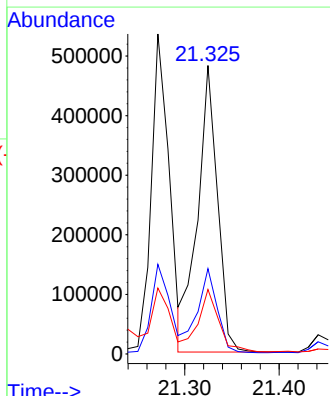
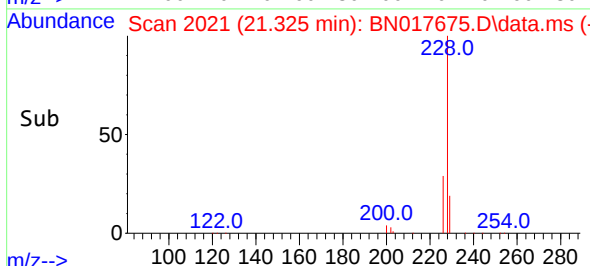
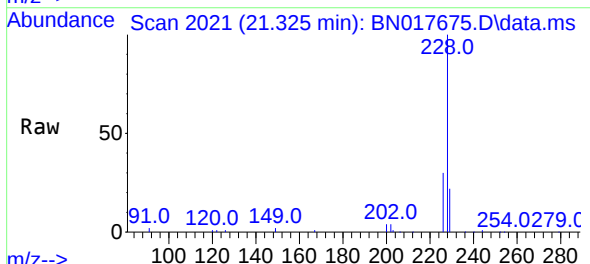
Manual Integrations
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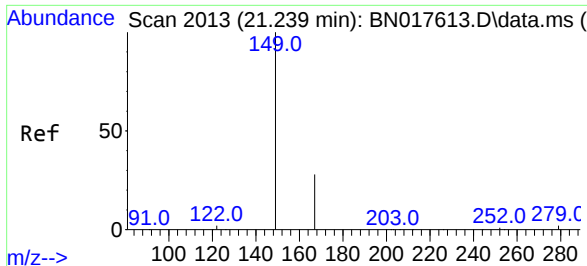
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021



#33
Chrysene
Concen: 1.734 ng
RT: 21.325 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

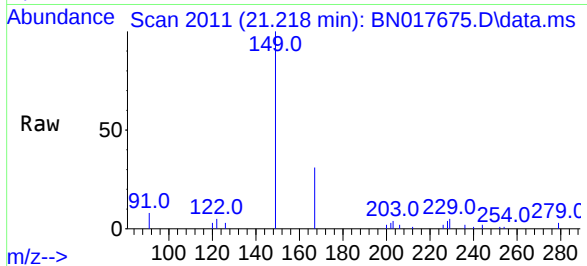
Tgt Ion:228 Resp: 702914
Ion Ratio Lower Upper
228 100
226 29.6 23.3 34.9
229 22.4 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.360 ng
RT: 21.218 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

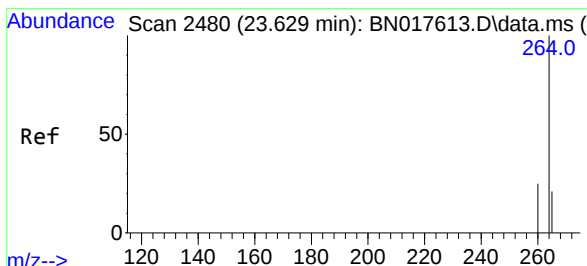
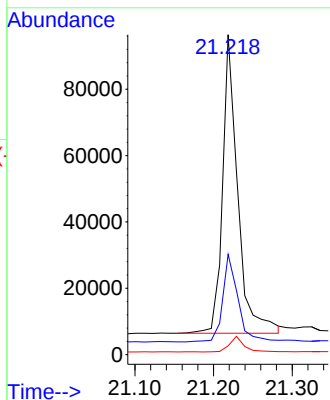
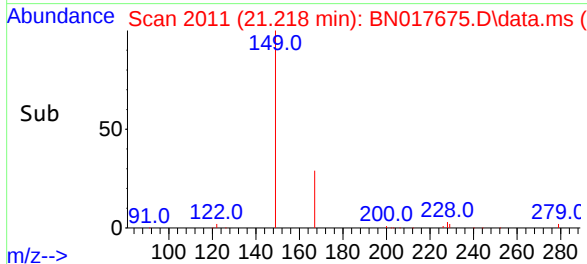
Instrument :
BNA_N
ClientSampleId :
SLAB-7



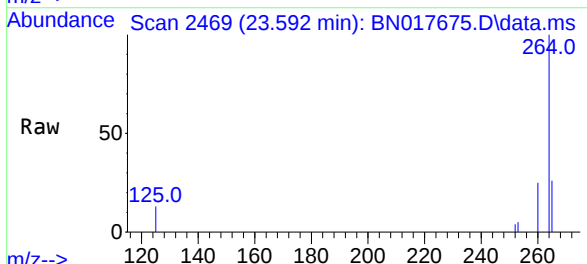
Tgt Ion:149 Resp: 120200
Ion Ratio Lower Upper
149 100
167 29.5 21.8 32.6
279 5.0 3.4 5.0

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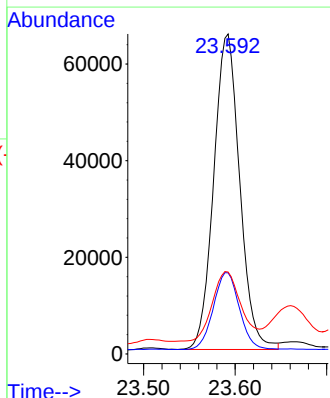
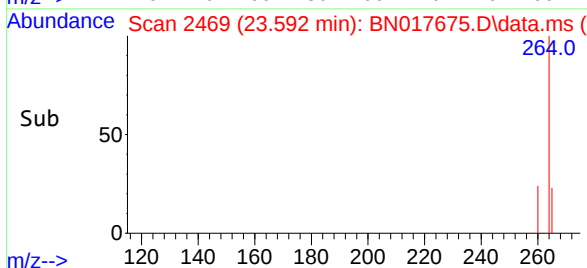
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

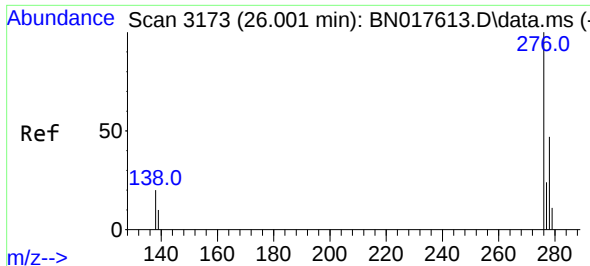


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.592 min Scan# 2469
Delta R.T. 0.011 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



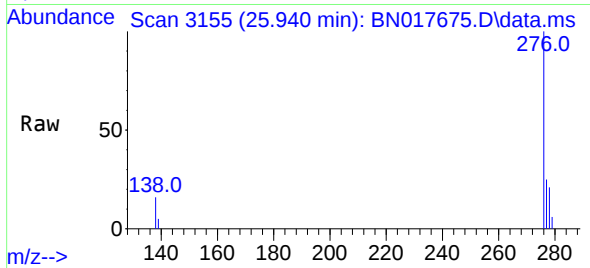
Tgt Ion:264 Resp: 128994
Ion Ratio Lower Upper
264 100
260 25.4 19.4 29.2
265 25.6 18.6 28.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.736 ng
RT: 25.940 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

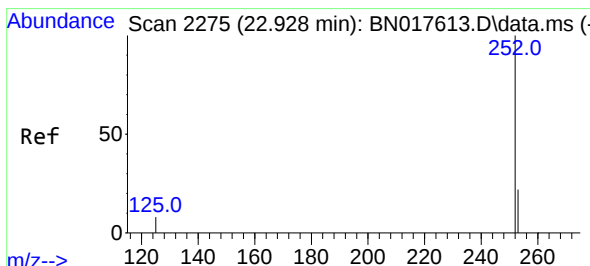
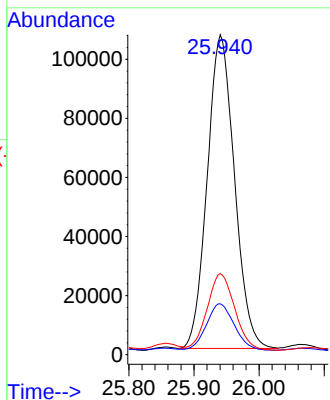
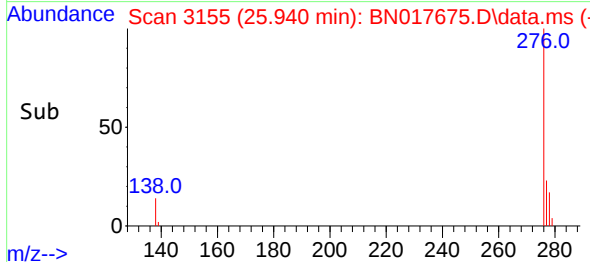
Instrument :
BNA_N
ClientSampleId :
SLAB-7



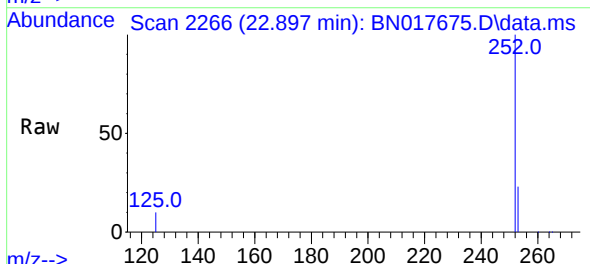
Tgt Ion:276 Resp: 30836
Ion Ratio Lower Upper
276 100
138 15.2 19.7 29.5
277 24.7 20.0 30.0

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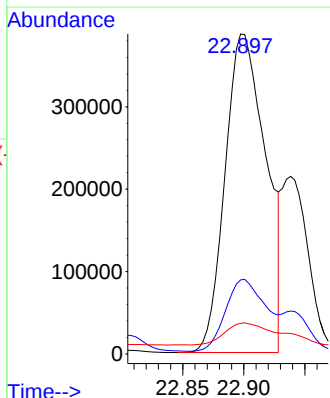
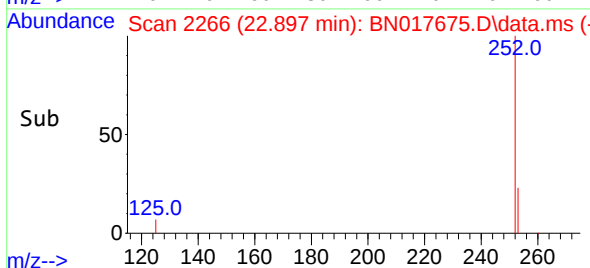
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

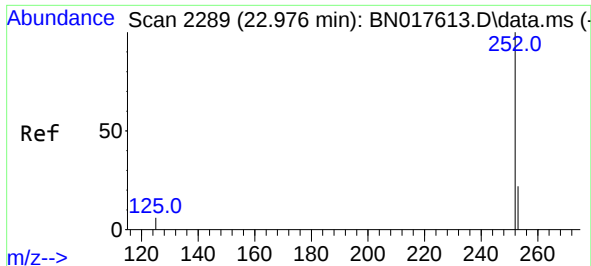


#37
Benzo(b)fluoranthene
Concen: 2.102 ng
RT: 22.897 min Scan# 2266
Delta R.T. 0.010 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



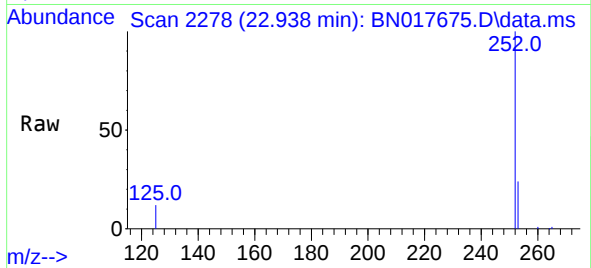
Tgt Ion:252 Resp: 898993
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 9.6 7.8 11.8





#38
Benzo(k)fluoranthene
Concen: 0.736 ng m
RT: 22.938 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

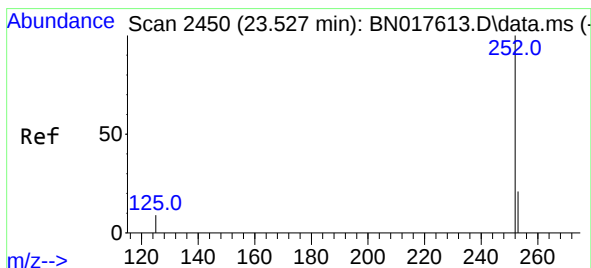
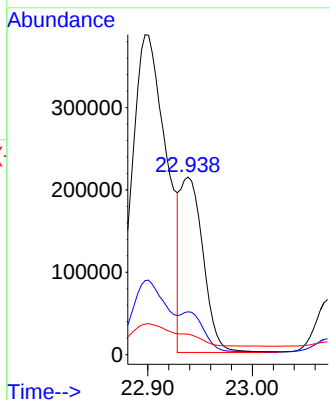
Instrument :
BNA_N
ClientSampleId :
SLAB-7



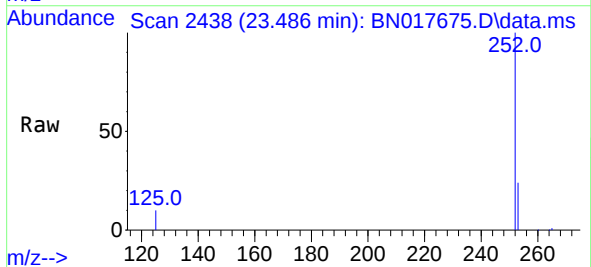
Tgt Ion:252 Resp: 32275
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 11.5 8.2 12.2

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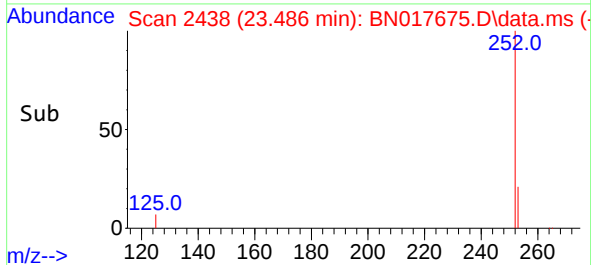
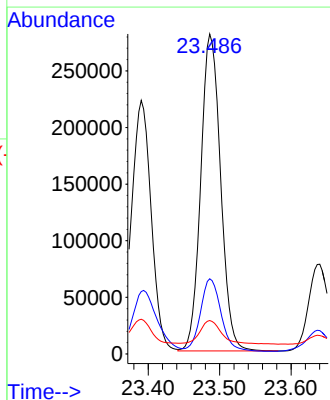
Reviewed By :Jagrut Upadhyay 12/02/2021
Supervised By :mohammad ahmed 12/05/2021

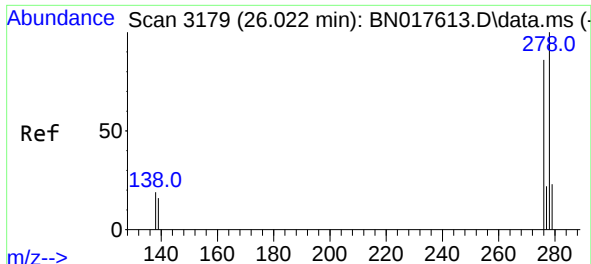


#39
Benzo(a)pyrene
Concen: 1.411 ng
RT: 23.486 min Scan# 2438
Delta R.T. 0.007 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



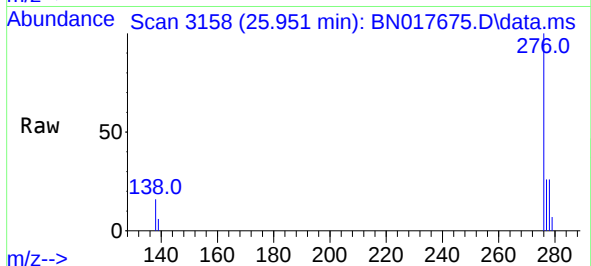
Tgt Ion:252 Resp: 540229
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 10.4 9.2 13.8





#40
Dibenzo(a,h)anthracene
Concen: 0.233 ng
RT: 25.951 min Scan# 3179
Delta R.T. -0.003 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39

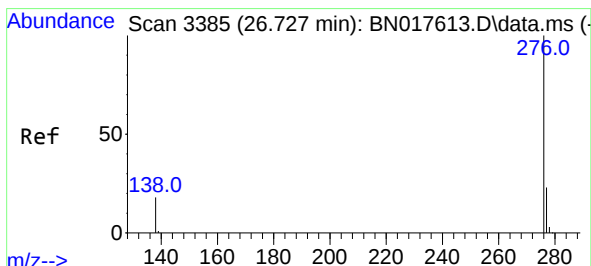
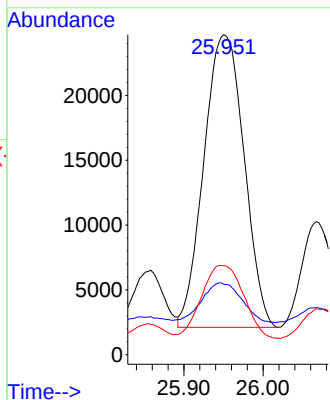
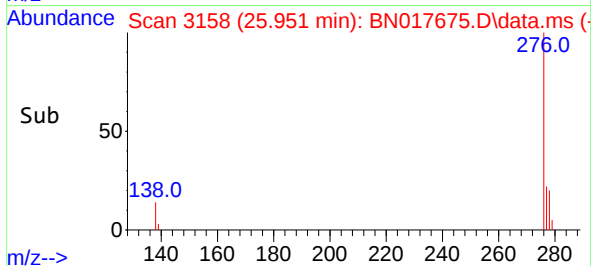
Instrument :
BNA_N
ClientSampleId :
SLAB-7



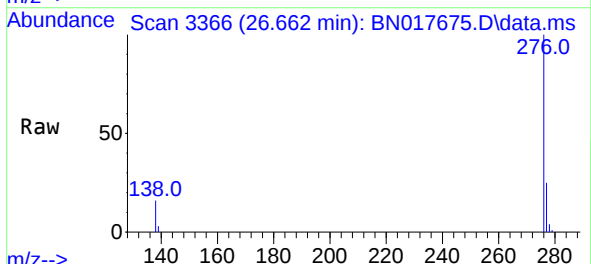
Tgt Ion:278 Resp: 7961
Ion Ratio Lower Upper
278 100
139 22.0 13.0 19.6
279 27.8 19.2 28.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.761 ng
RT: 26.662 min Scan# 3366
Delta R.T. 0.007 min
Lab File: BN017675.D
Acq: 02 Dec 2021 07:39



Tgt Ion:276 Resp: 267914
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 16.1 17.1 25.7#

