

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
 Data File : BN018470.D
 Acq On : 25 Jan 2022 21:36
 Operator : CG/JU
 Sample : N1245-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-2(2.5-3)

Quant Time: Jan 26 04:08:25 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 24 18:25:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	33756	0.400	ng	0.00
7) Naphthalene-d8	10.761	136	152462	0.400	ng	# 0.00
13) Acenaphthene-d10	14.573	164	84793	0.400	ng	0.00
19) Phenanthrene-d10	17.309	188	165452	0.400	ng	# 0.00
29) Chrysene-d12	21.482	240	146134	0.400	ng	-0.01
35) Perylene-d12	23.885	264	144893	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.531	112	22623	0.270	ng	0.02
5) Phenol-d6	7.107	99	25300	0.278	ng	0.00
8) Nitrobenzene-d5	9.101	82	24144m	0.274	ng	-0.01
11) 2-Methylnaphthalene-d10	12.340	152	64533	0.252	ng	0.00
14) 2,4,6-Tribromophenol	16.056	330	6918	0.271	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	89221	0.293	ng	-0.01
27) Fluoranthene-d10	19.331	212	125440	0.251	ng	-0.01
31) Terphenyl-d14	19.926	244	97866	0.215	ng	-0.01
Target Compounds						
9) Naphthalene	10.799	128	120272	0.324	ng	Qvalue 100
12) 2-Methylnaphthalene	12.411	142	50243	0.194	ng	99
16) Acenaphthylene	14.294	152	34874	0.111	ng	# 96
17) Acenaphthene	14.636	154	131724	0.588	ng	99
18) Fluorene	15.613	166	170108m	0.632	ng	
25) Phenanthrene	17.346	178	2353382m	5.359	ng	
26) Anthracene	17.431	178	518880	1.397	ng	# 91
28) Fluoranthene	19.360	202	2513809	5.239	ng	# 97
30) Pyrene	19.723	202	2125370	3.408	ng	# 94
32) Benzo(a)anthracene	21.461	228	1469045	3.174	ng	98
33) Chrysene	21.514	228	1240905	2.711	ng	96
34) Bis(2-ethylhexyl)phtha...	21.397	149	43057	0.118	ng	95
36) Indeno(1,2,3-cd)pyrene	26.383	276	525132	2.039	ng	97
37) Benzo(b)fluoranthene	23.156	252	1544795	2.960	ng	# 96
38) Benzo(k)fluoranthene	23.197	252	542459m	1.181	ng	
39) Benzo(a)pyrene	23.778	252	1055479	2.763	ng	# 97
40) Dibenzo(a,h)anthracene	26.394	278	154704	0.818	ng	# 91
41) Benzo(g,h,i)perylene	27.147	276	445066	1.698	ng	# 94

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

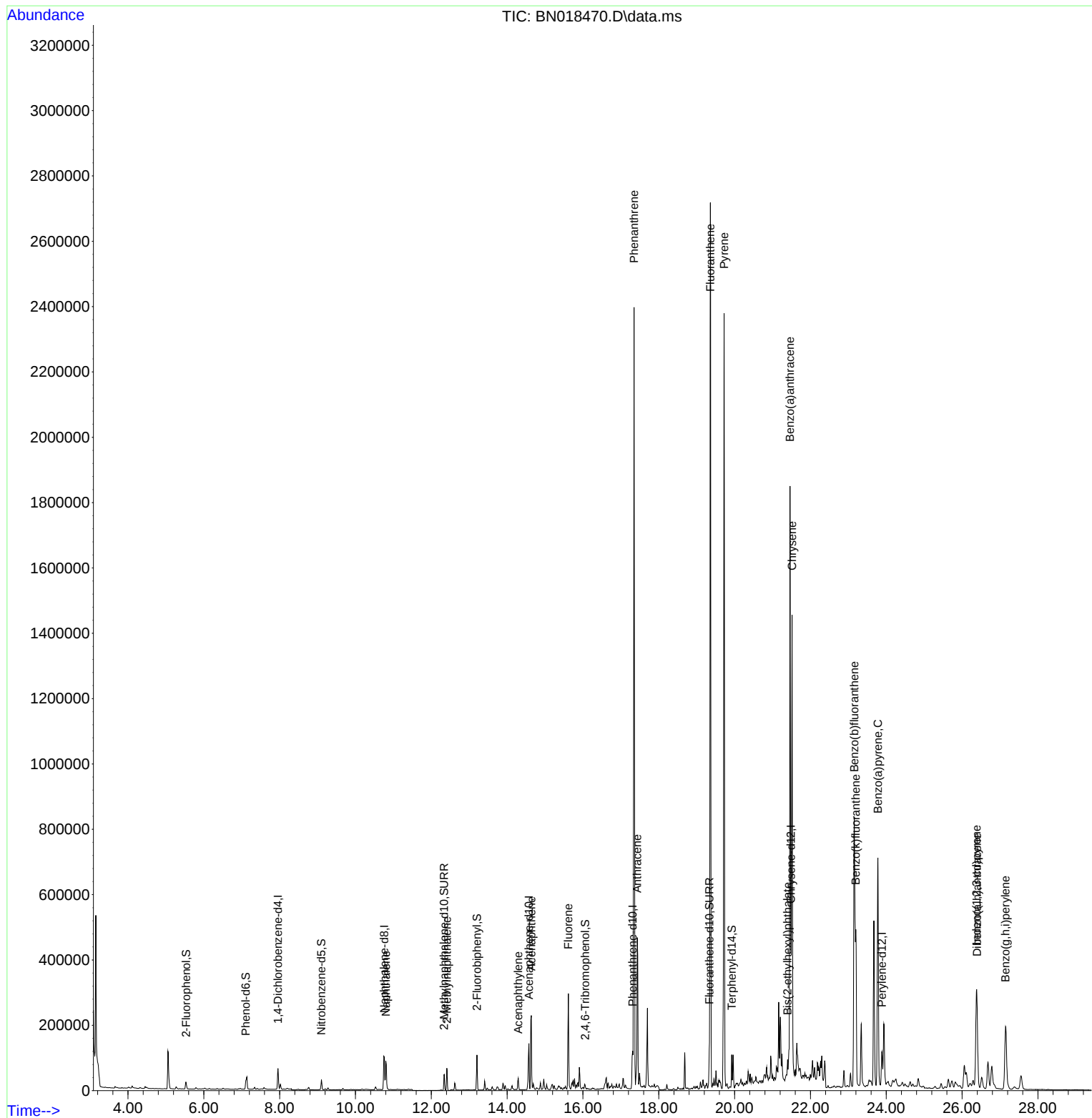
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
Data File : BN018470.D
Acq On : 25 Jan 2022 21:36
Operator : CG/JU
Sample : N1245-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

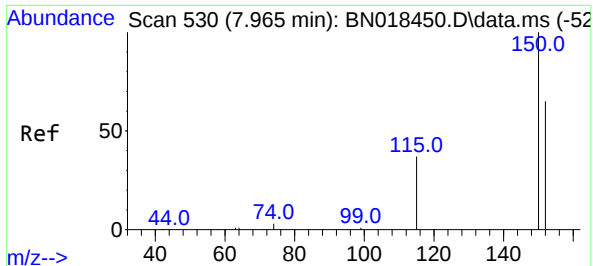
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)

Quant Time: Jan 26 04:08:25 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 24 18:25:49 2022
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Manual Integrations
APPROVED

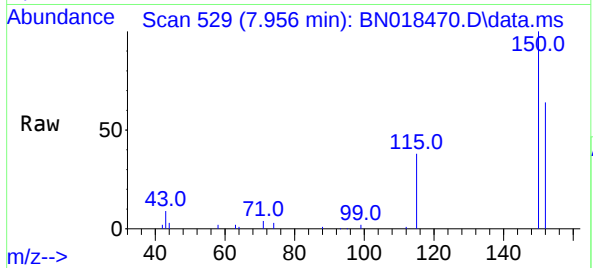
Reviewed By : Christian Giraldo 01/26/2022
Supervised By : Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 51
Delta R.T. -0.009 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

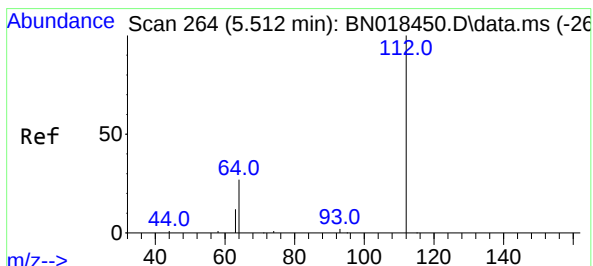
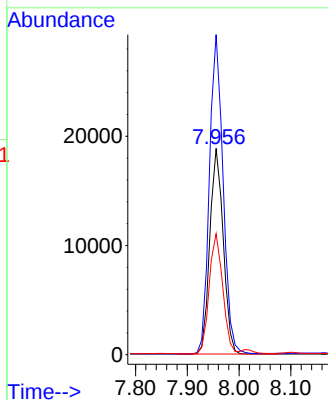
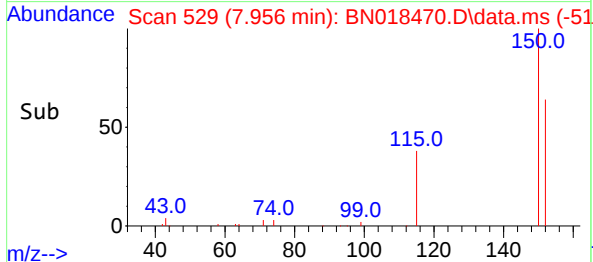
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



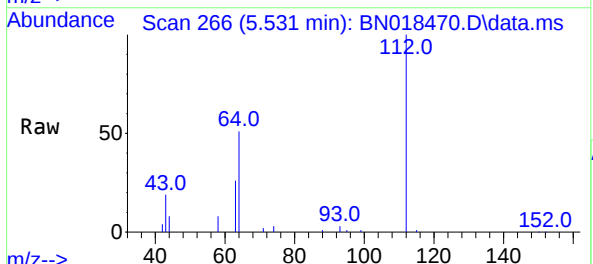
Tgt Ion:152 Resp: 33750
Ion Ratio Lower Upper
152 100
150 155.2 121.7 182.5
115 58.6 43.8 65.8

Manual Integrations
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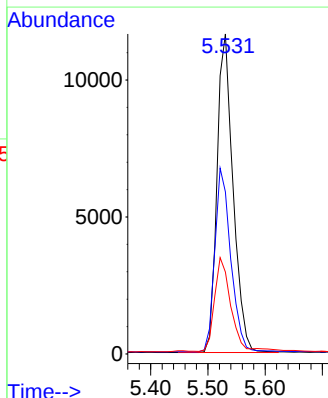
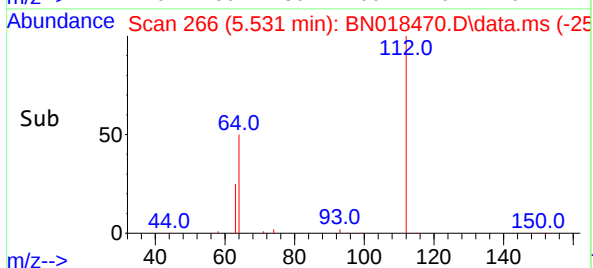
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

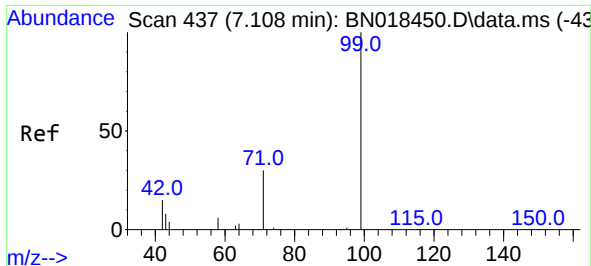


#4
2-Fluorophenol
Concen: 0.270 ng
RT: 5.531 min Scan# 266
Delta R.T. 0.018 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



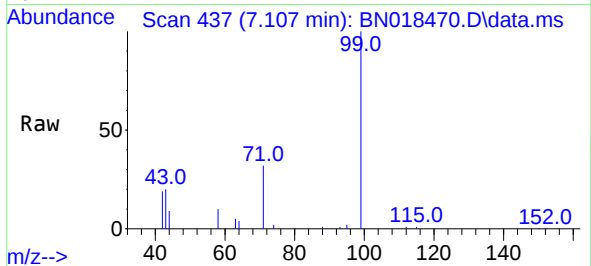
Tgt Ion:112 Resp: 22623
Ion Ratio Lower Upper
112 100
64 57.5 48.0 72.0
63 29.1 25.3 37.9





#5
Phenol-d6
Concen: 0.278 ng
RT: 7.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

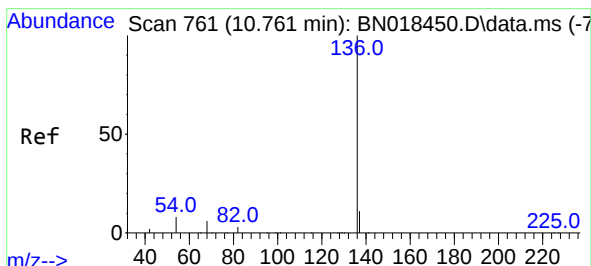
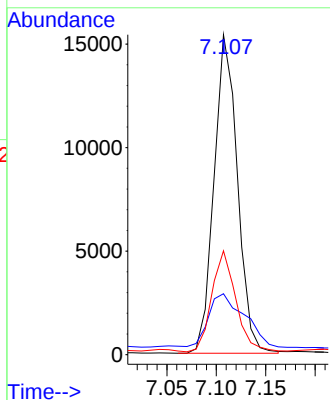
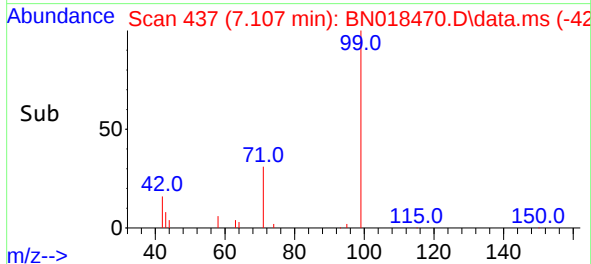
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



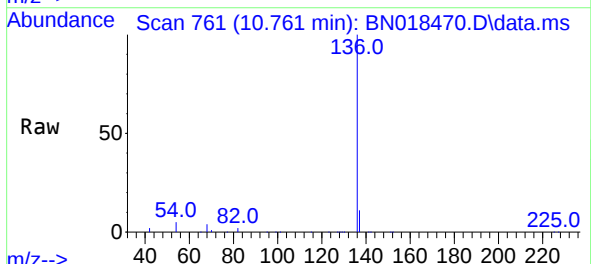
Tgt Ion: 99 Resp: 25300
Ion Ratio Lower Upper
99 100
42 26.0 16.3 24.5
71 32.6 26.8 40.2

Manual Integrations
APPROVED

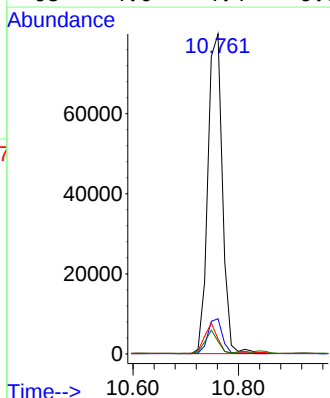
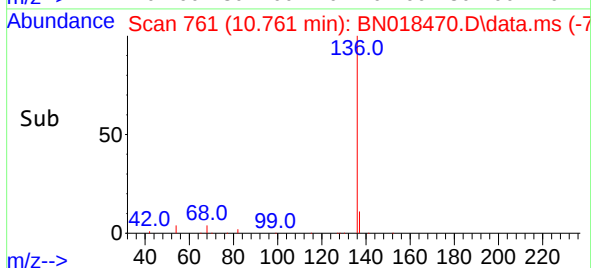
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

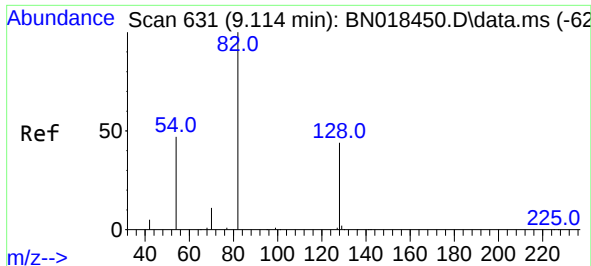


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.761 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



Tgt Ion:136 Resp: 152462
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 4.7 5.0 7.6#
68 4.0 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.274 ng m
RT: 9.101 min Scan# 611
Delta R.T. -0.013 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

Instrument :

BNA_N

ClientSampleId :

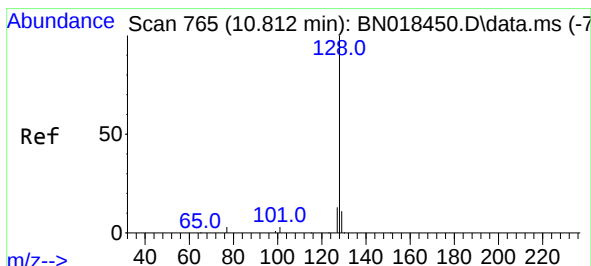
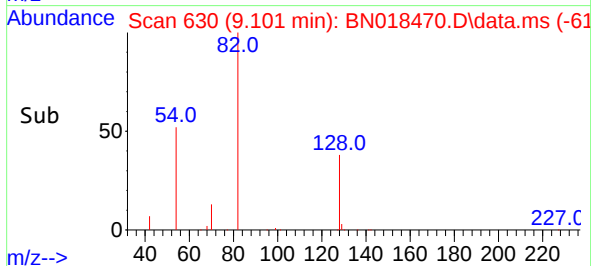
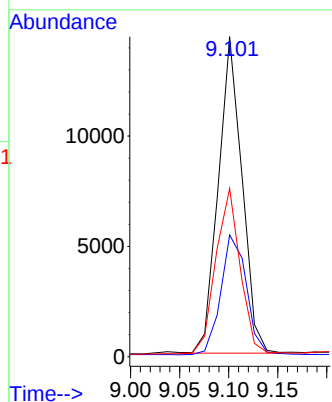
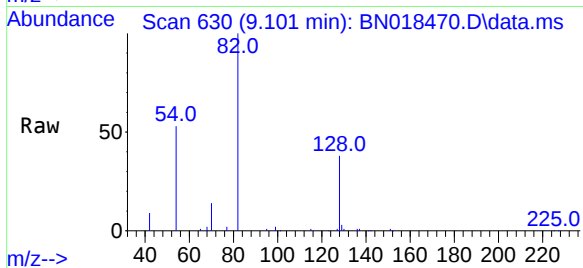
SB-2(2.5-3)

Tgt Ion: 82 Resp: 24144
Ion Ratio Lower Upper
82 100
128 38.0 33.7 50.5
54 52.6 36.6 55.0

Manual Integrations

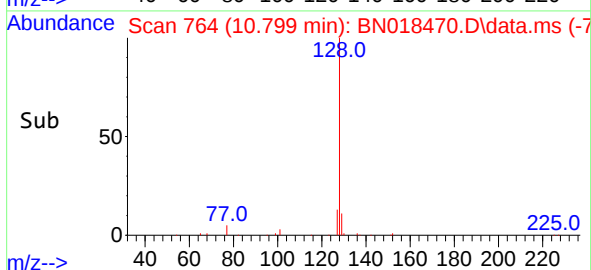
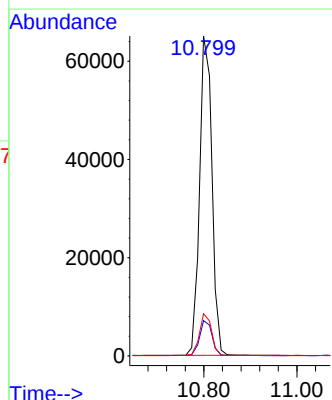
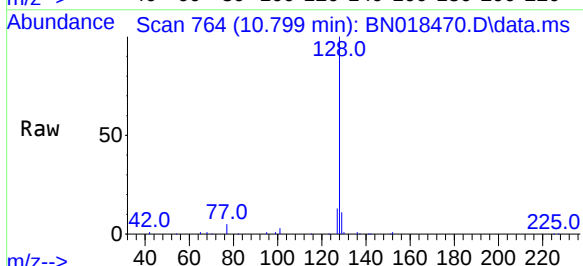
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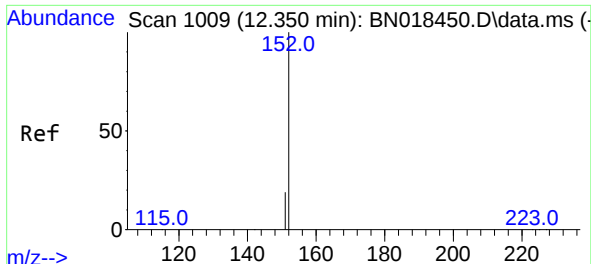
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#9
Naphthalene
Concen: 0.324 ng
RT: 10.799 min Scan# 764
Delta R.T. -0.013 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

Tgt Ion:128 Resp: 120272
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.2 10.4 15.6





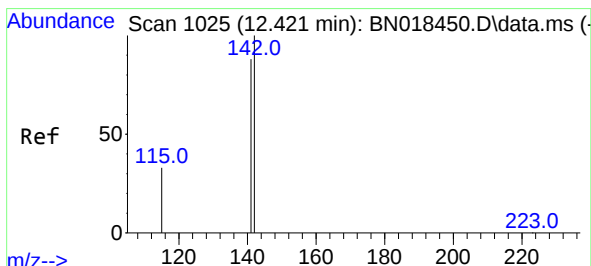
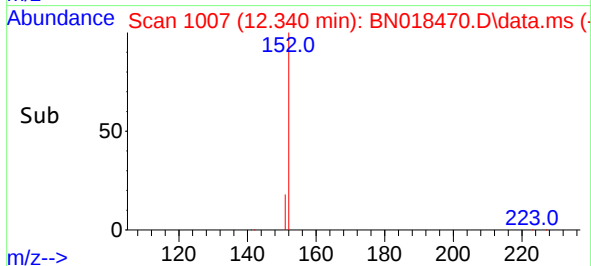
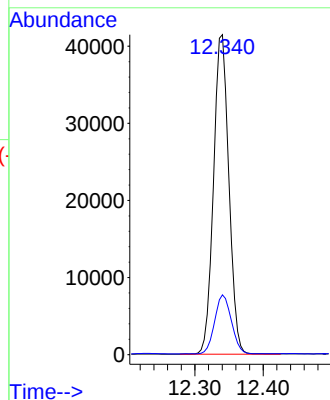
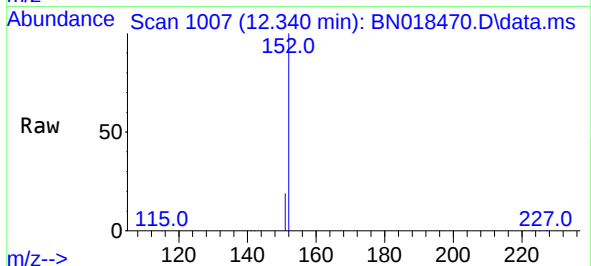
#11
2-Methylnaphthalene-d10
Concen: 0.252 ng
RT: 12.340 min Scan# 1009
Delta R.T. -0.009 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)

Tgt Ion:152 Resp: 6453
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2

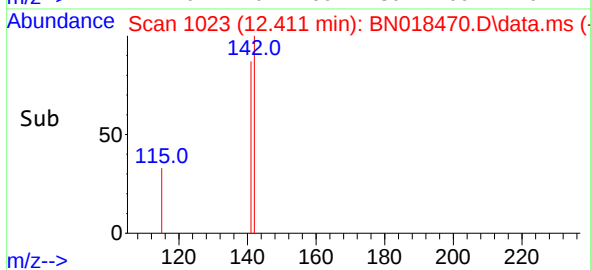
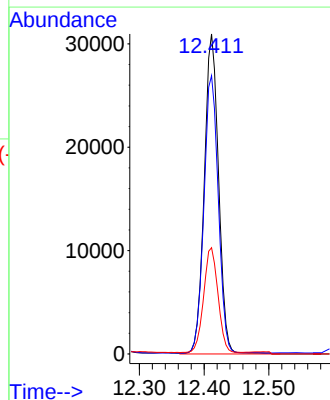
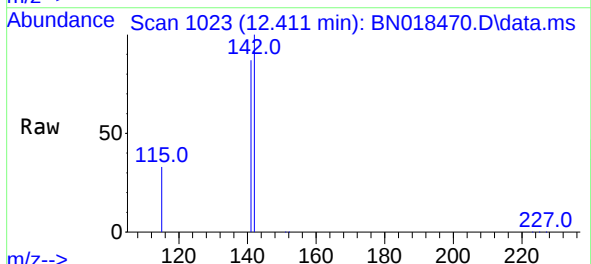
Manual Integrations
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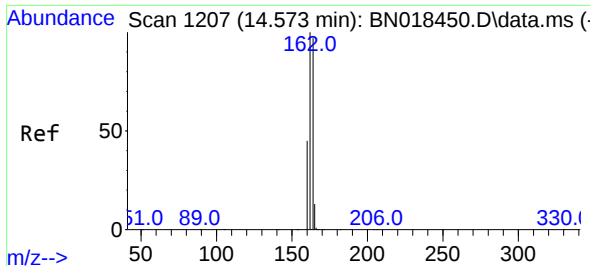
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#12
2-Methylnaphthalene
Concen: 0.194 ng
RT: 12.411 min Scan# 1023
Delta R.T. -0.009 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

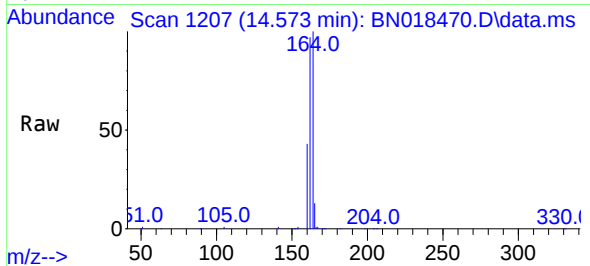
Tgt Ion:142 Resp: 50243
Ion Ratio Lower Upper
142 100
141 87.0 70.0 105.0
115 33.2 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

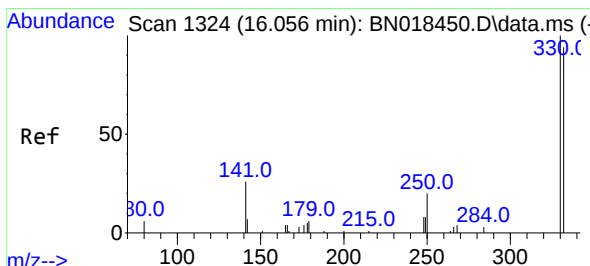
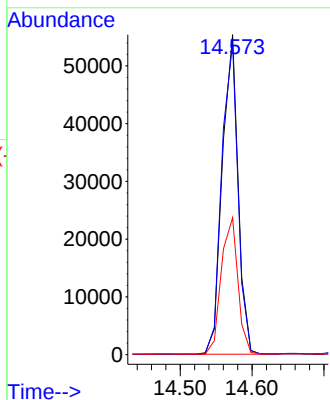
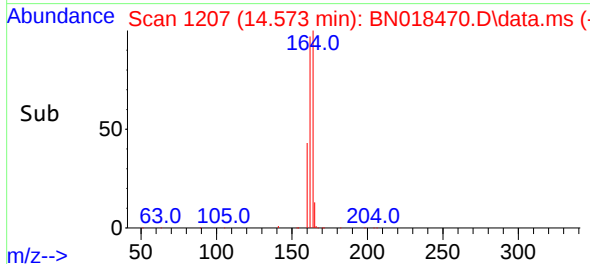
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



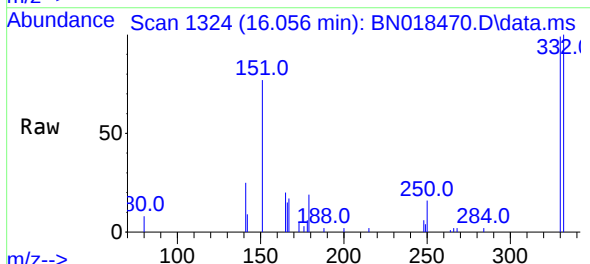
Tgt Ion:164 Resp: 8479
Ion Ratio Lower Upper
164 100
162 97.3 80.2 120.2
160 42.8 36.9 55.3

Manual Integrations
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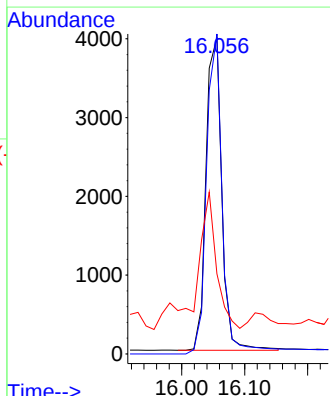
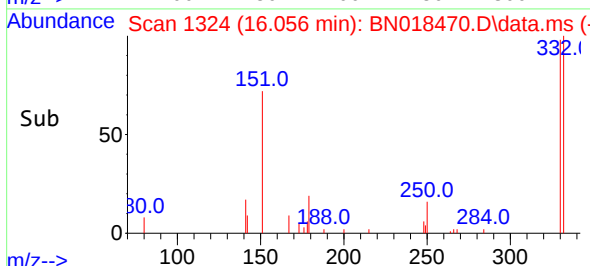
Reviewed By :Christian Giraldo 01/26/2022
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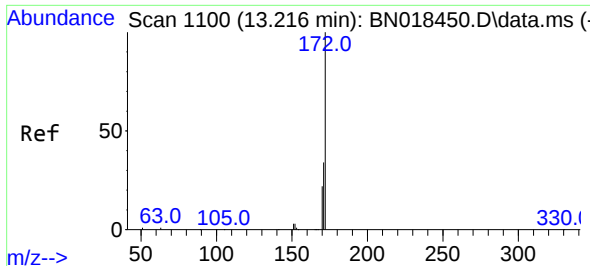


#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 16.056 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



Tgt Ion:330 Resp: 6918
Ion Ratio Lower Upper
330 100
332 102.7 0.0 0.0#
141 46.6 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

Instrument :

BNA_N

ClientSampleId :

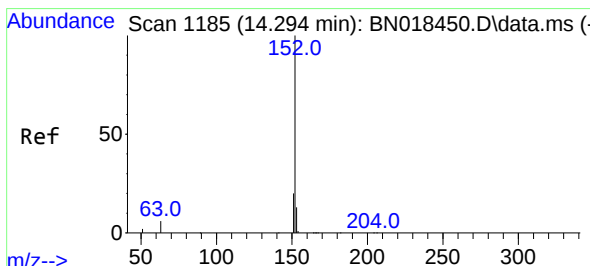
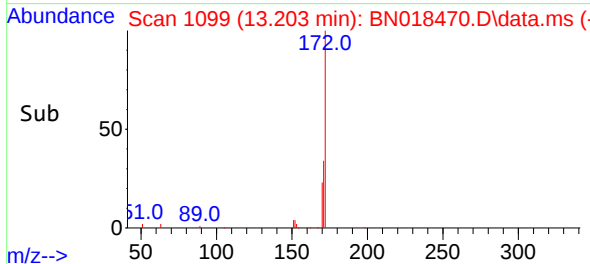
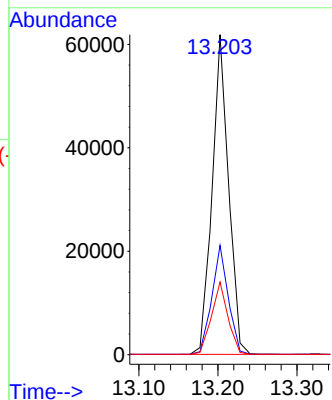
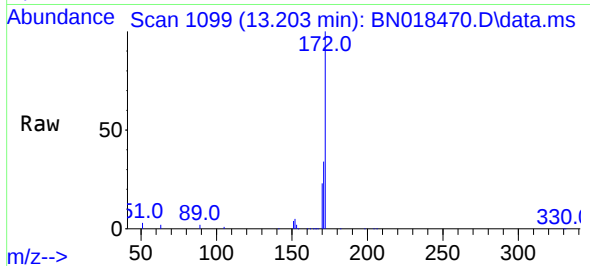
SB-2(2.5-3)

Tgt Ion:172 Resp: 8922
Ion Ratio Lower Upper
172 100
171 34.1 27.4 41.0
170 22.7 18.4 27.6

Manual Integrations

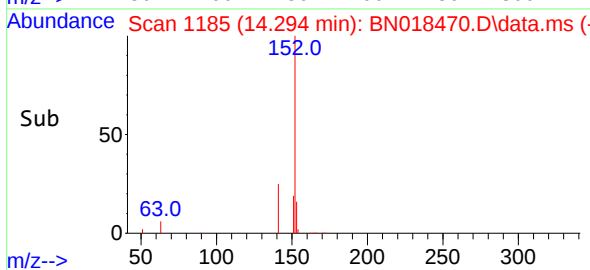
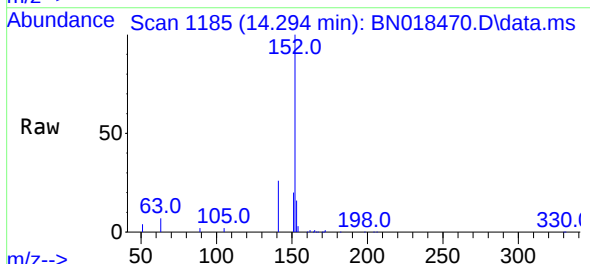
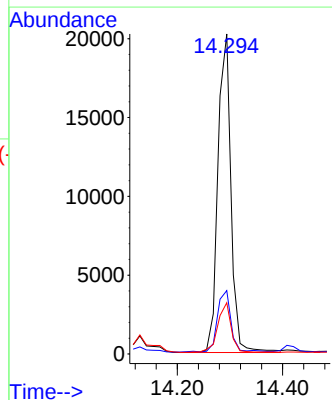
APPROVED

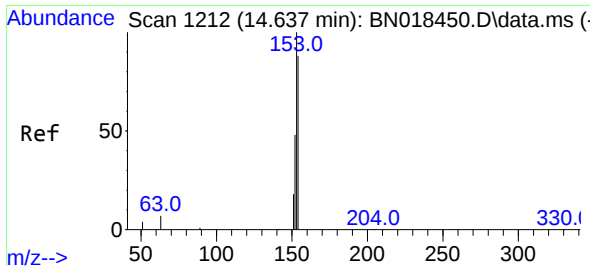
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#16
Acenaphthylene
Concen: 0.111 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

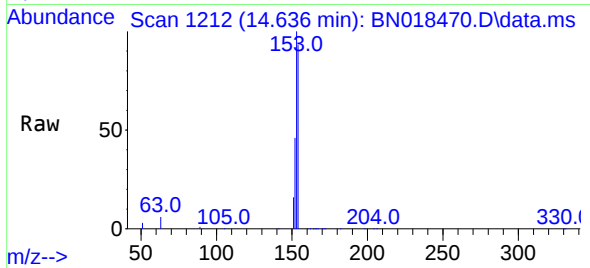
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Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 16.0 10.5 15.7#





#17
Acenaphthene
Concen: 0.588 ng
RT: 14.636 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

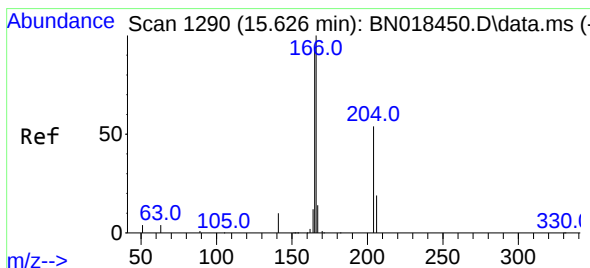
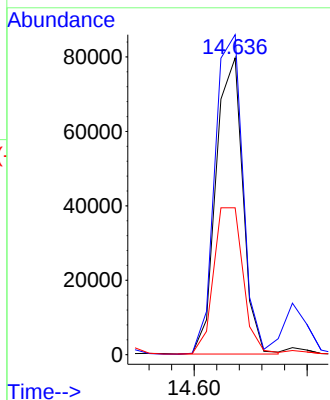
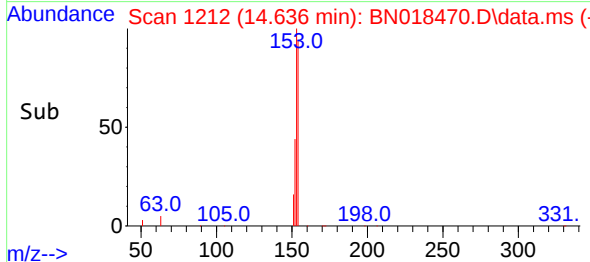
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



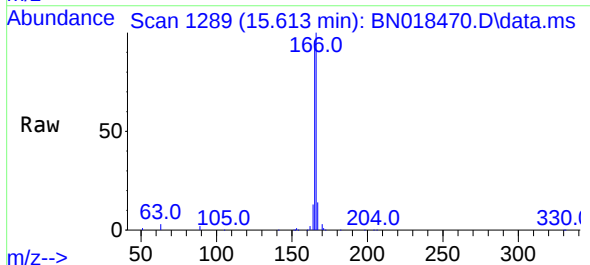
Tgt Ion:154 Resp: 131724
Ion Ratio Lower Upper
154 100
153 112.0 90.9 136.3
152 55.3 45.0 67.4

Manual Integrations
APPROVED

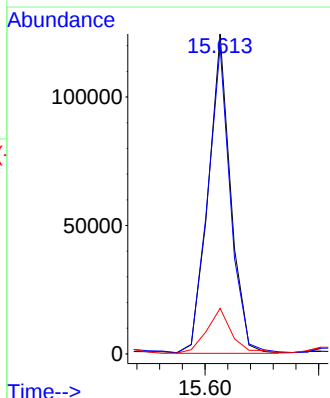
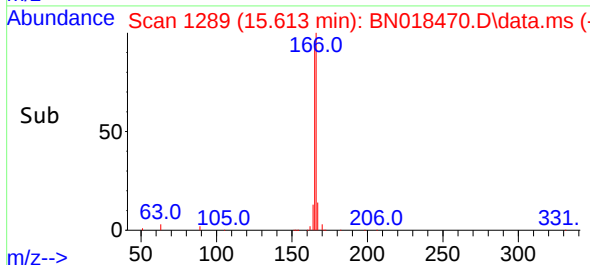
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

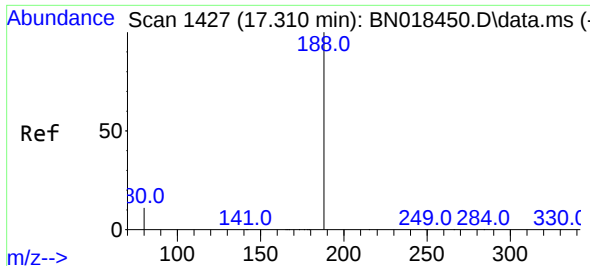


#18
Fluorene
Concen: 0.632 ng m
RT: 15.613 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



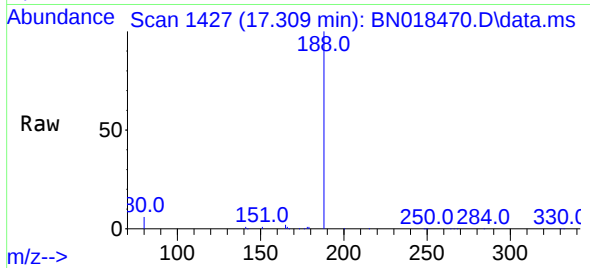
Tgt Ion:166 Resp: 170108
Ion Ratio Lower Upper
166 100
165 96.9 77.8 116.6
167 15.9 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.309 min Scan# 1427
Delta R.T. -0.001 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

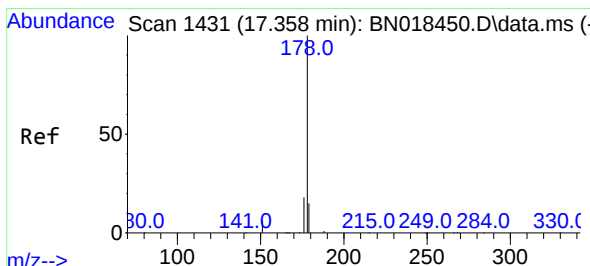
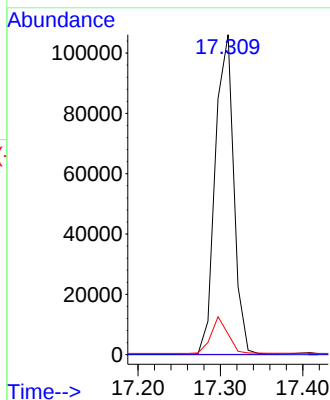
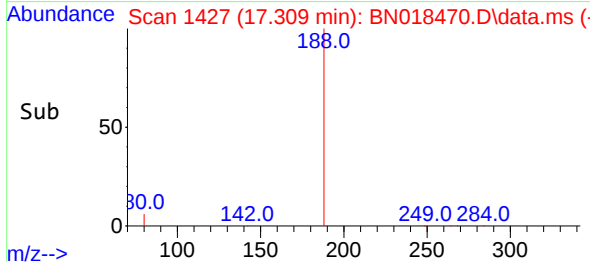
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



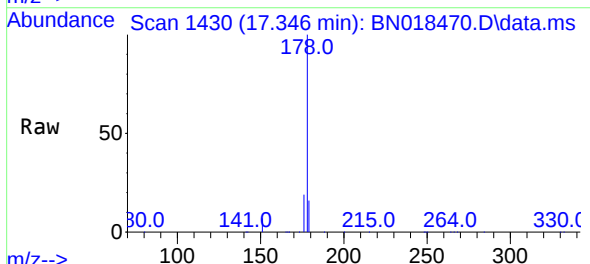
Tgt Ion:188 Resp: 165452
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.5 7.0 10.4

Manual Integrations
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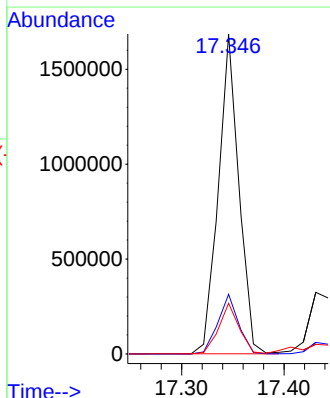
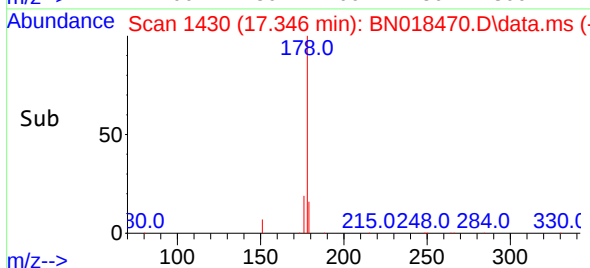
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

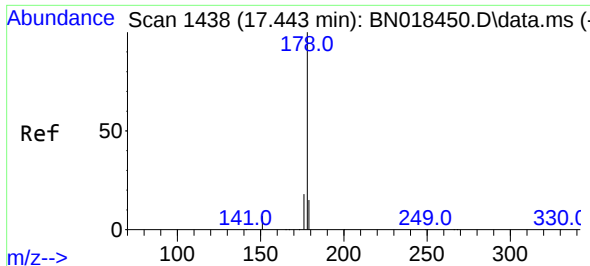


#25
Phenanthrene
Concen: 5.359 ng m
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



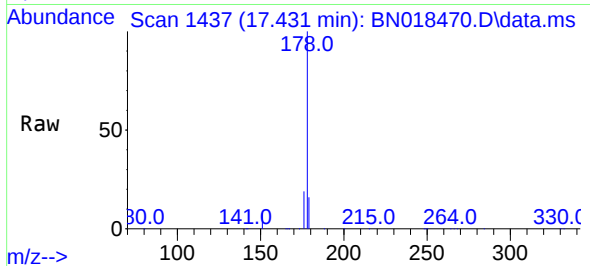
Tgt Ion:178 Resp: 2353382
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.8 12.3 18.5





#26
 Anthracene
 Concen: 1.397 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. -0.012 min
 Lab File: BN018470.D
 Acq: 25 Jan 2022 21:36

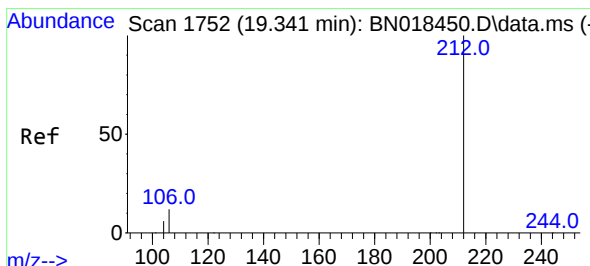
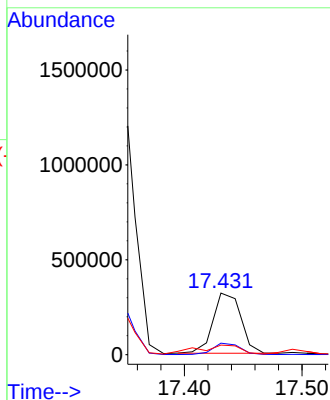
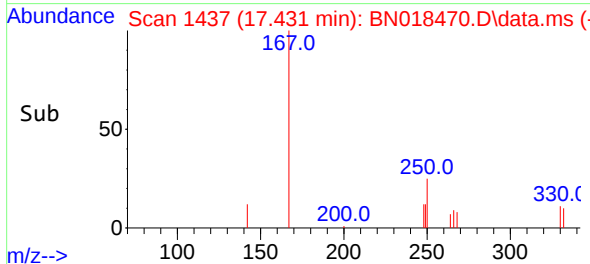
Instrument :
 BNA_N
 ClientSampleId :
 SB-2(2.5-3)



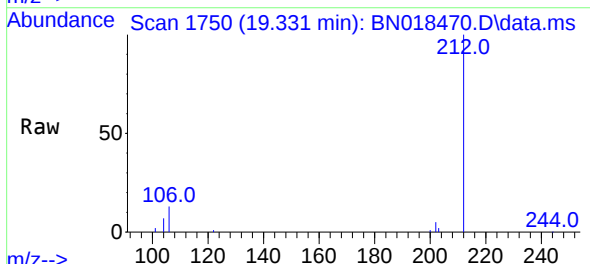
Tgt Ion:178 Resp: 518860
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 23.0 12.2 18.4

Manual Integrations
 APPROVED

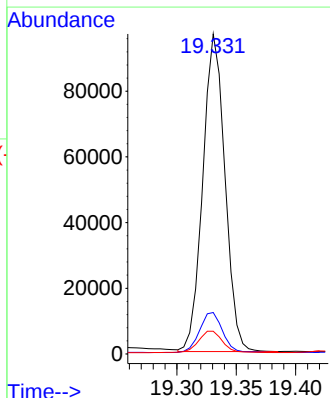
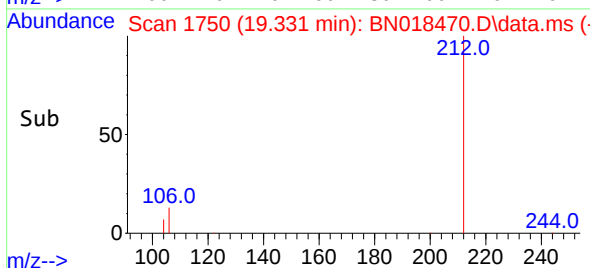
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

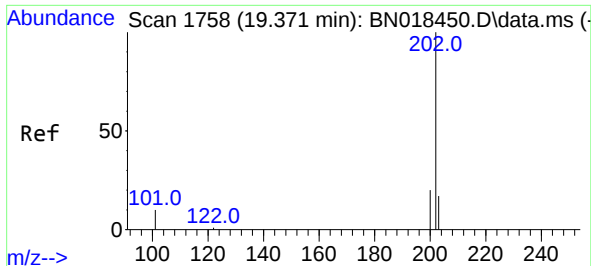


#27
 Fluoranthene-d10
 Concen: 0.251 ng
 RT: 19.331 min Scan# 1750
 Delta R.T. -0.010 min
 Lab File: BN018470.D
 Acq: 25 Jan 2022 21:36



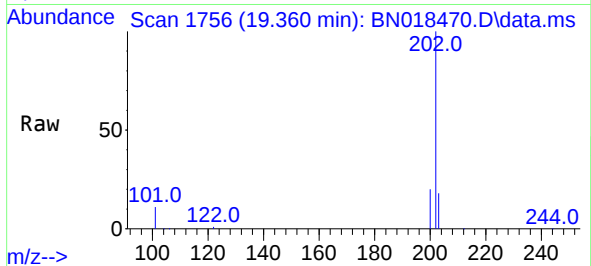
Tgt Ion:212 Resp: 125440
 Ion Ratio Lower Upper
 212 100
 106 13.2 8.4 12.6#
 104 7.5 4.5 6.7#





#28
Fluoranthene
Concen: 5.239 ng
RT: 19.360 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

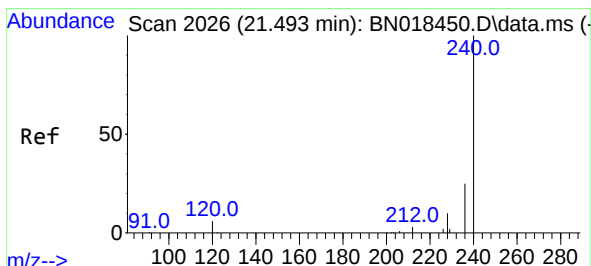
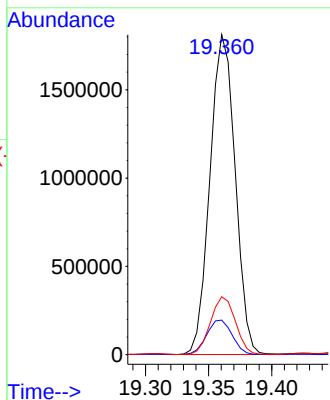
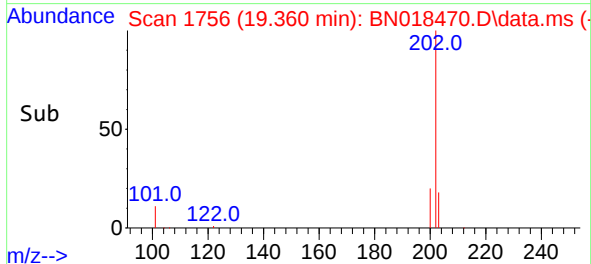
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:202 Resp: 251380
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 17.8 13.7 20.5

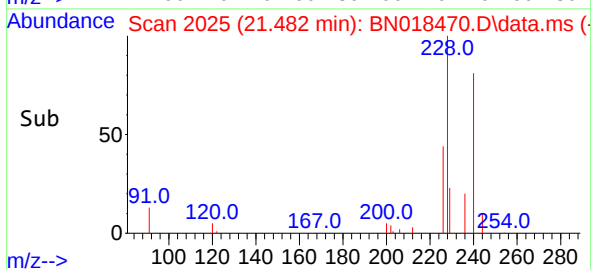
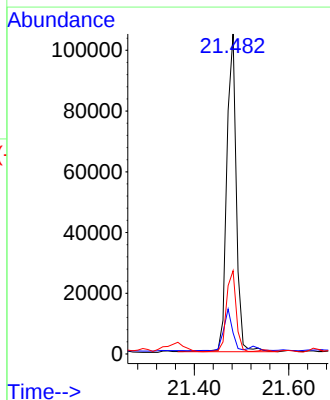
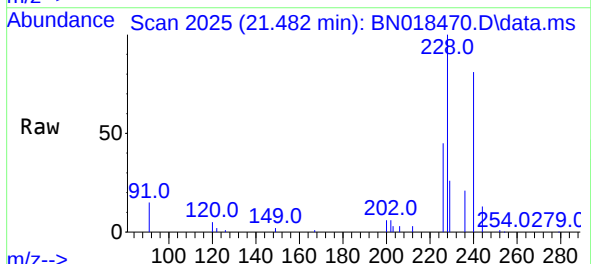
Manual Integrations
APPROVED

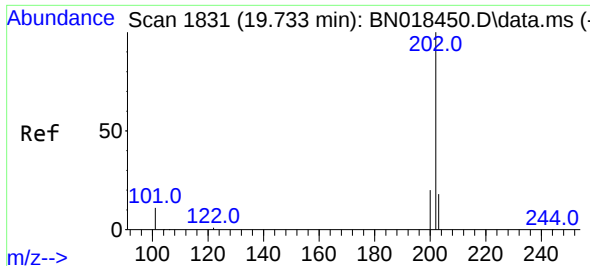
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 2025
Delta R.T. -0.011 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

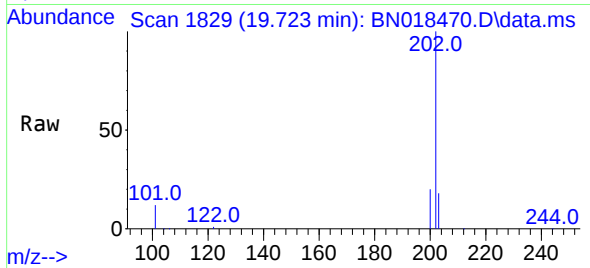
Tgt Ion:240 Resp: 146134
Ion Ratio Lower Upper
240 100
120 6.6 6.0 9.0
236 26.0 21.4 32.2





#30
Pyrene
Concen: 3.408 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.010 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

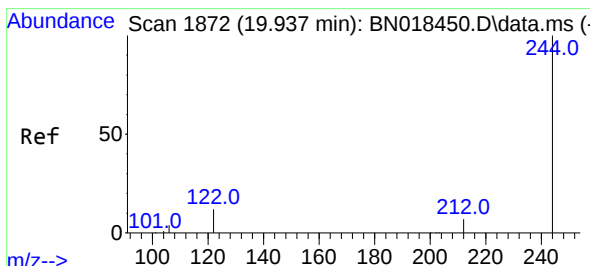
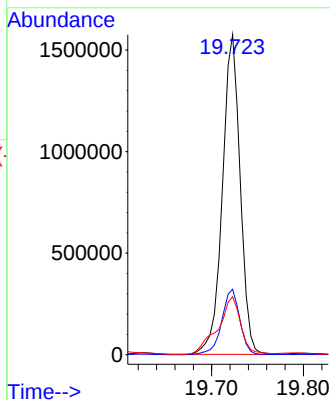
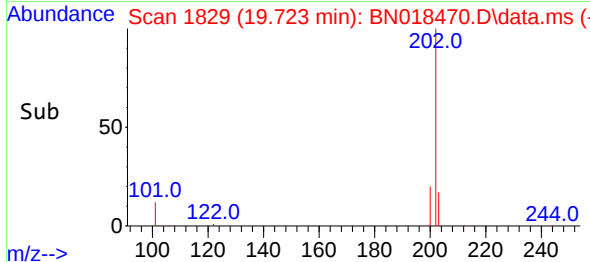
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



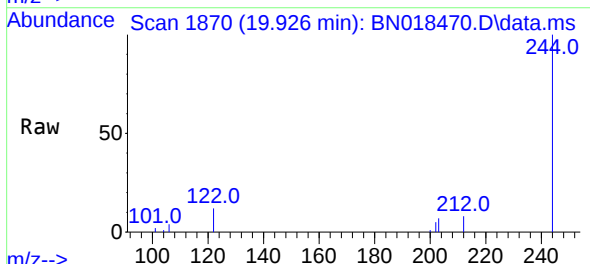
Tgt Ion:202 Resp: 2125370
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 23.2 14.1 21.1

Manual Integrations
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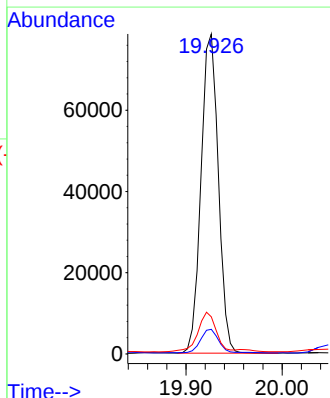
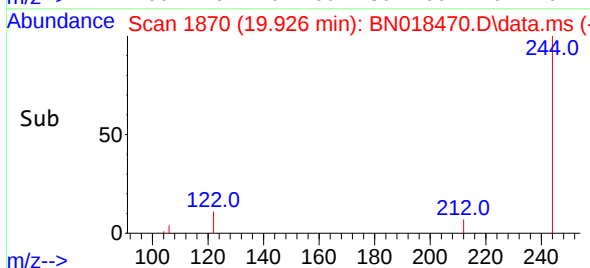
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

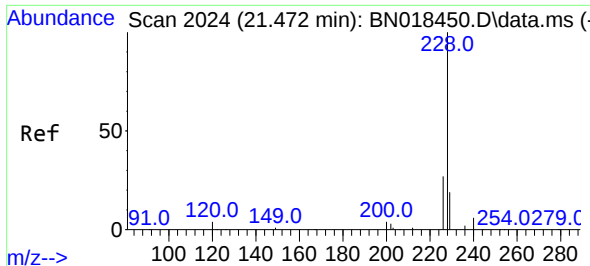


#31
Terphenyl-d14
Concen: 0.215 ng
RT: 19.926 min Scan# 1870
Delta R.T. -0.010 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



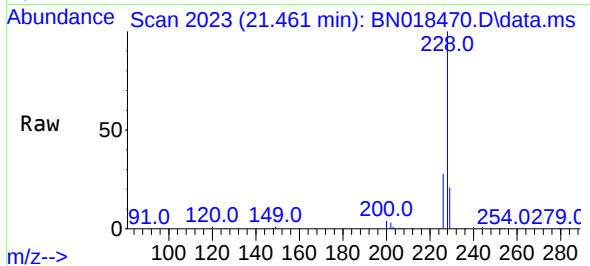
Tgt Ion:244 Resp: 97866
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 11.6 7.9 11.9





#32
Benzo(a)anthracene
Concen: 3.174 ng
RT: 21.461 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

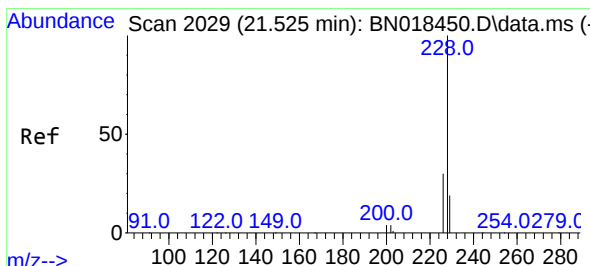
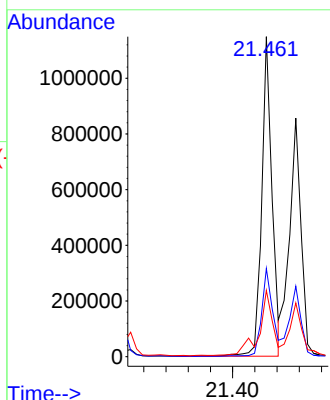
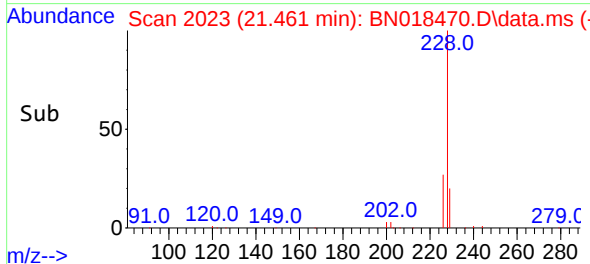
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:228 Resp: 1469045
Ion Ratio Lower Upper
228 100
226 27.6 21.3 31.9
229 20.7 15.9 23.9

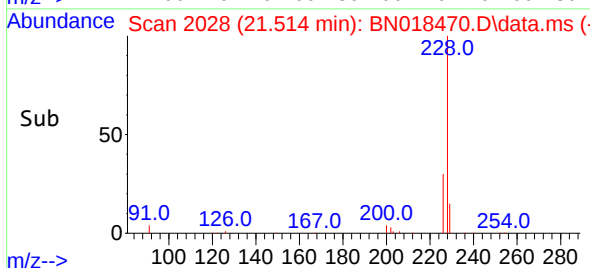
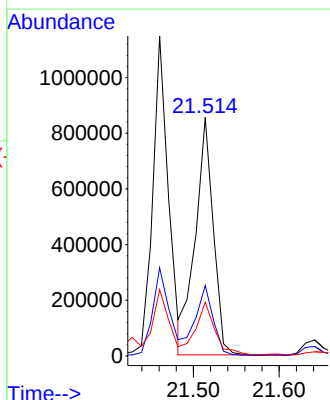
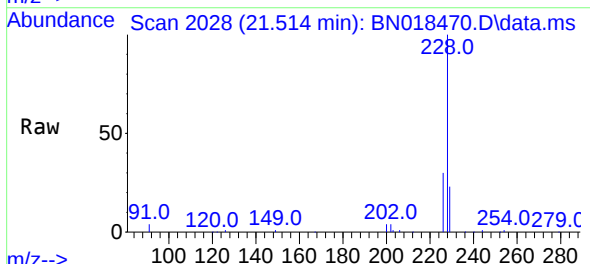
Manual Integrations
APPROVED

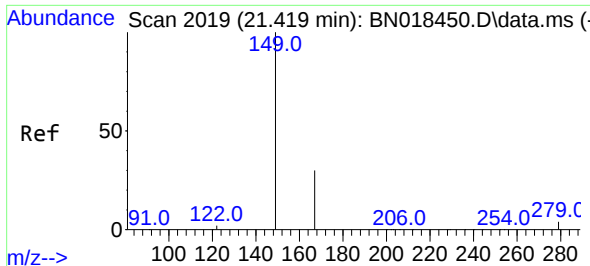
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#33
Chrysene
Concen: 2.711 ng
RT: 21.514 min Scan# 2028
Delta R.T. -0.011 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

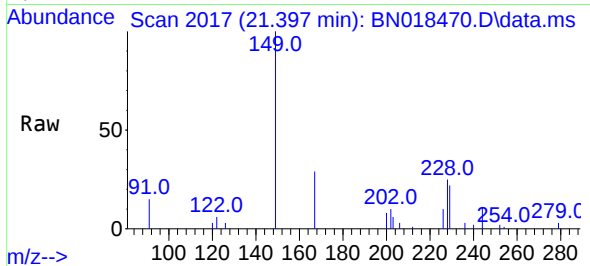
Tgt Ion:228 Resp: 1240905
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.4
229 22.5 15.5 23.3





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.118 ng
 RT: 21.397 min Scan# 2017
 Delta R.T. -0.022 min
 Lab File: BN018470.D
 Acq: 25 Jan 2022 21:36

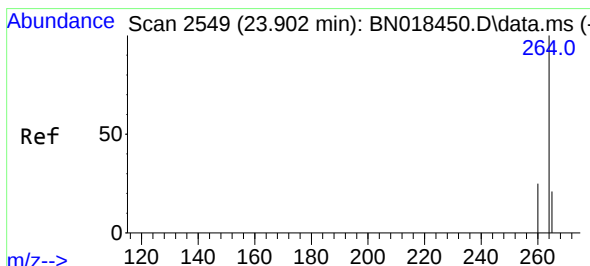
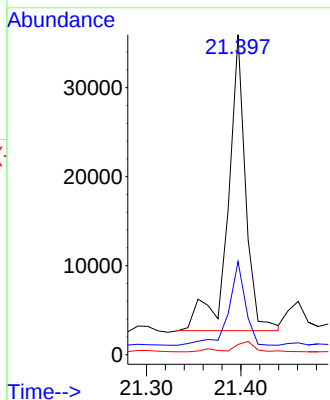
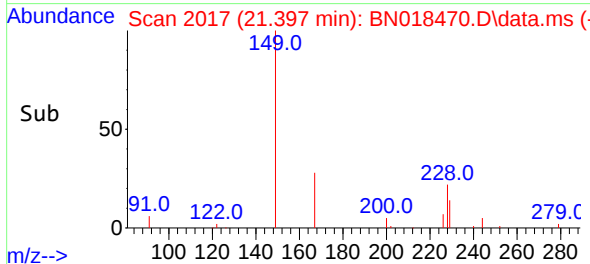
Instrument :
 BNA_N
 ClientSampleId :
 SB-2(2.5-3)



Tgt Ion:149 Resp: 4305
 Ion Ratio Lower Upper
 149 100
 167 26.7 23.7 35.5
 279 4.7 3.6 5.4

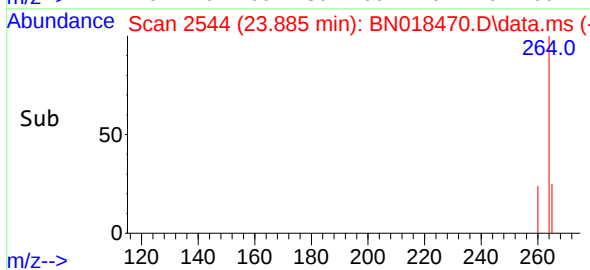
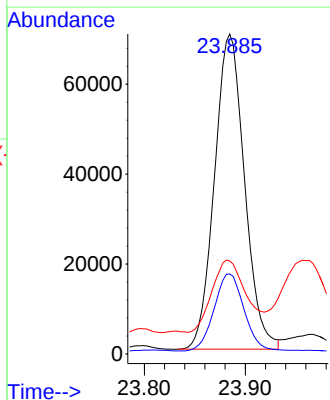
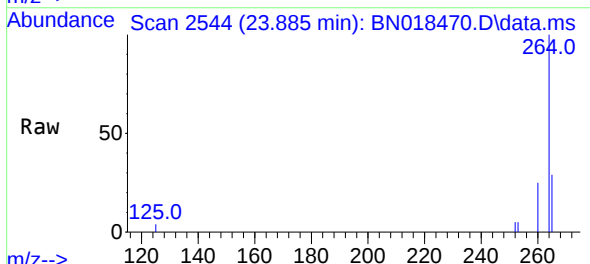
Manual Integrations
 APPROVED

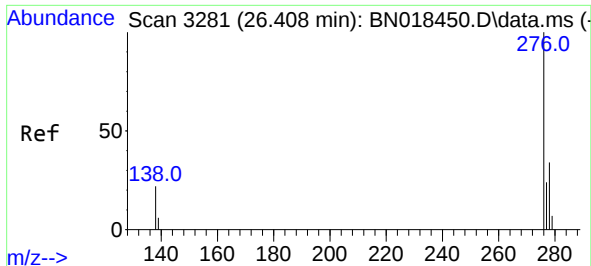
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.885 min Scan# 2544
 Delta R.T. -0.017 min
 Lab File: BN018470.D
 Acq: 25 Jan 2022 21:36

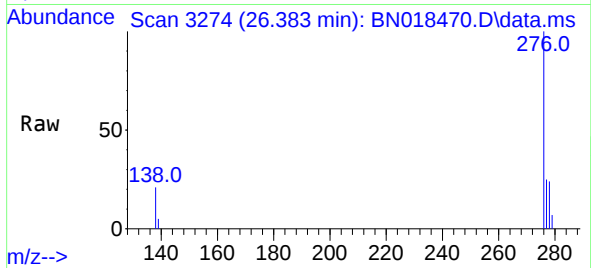
Tgt Ion:264 Resp: 144893
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.2 30.4
 265 29.0 18.2 27.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.039 ng
RT: 26.383 min Scan# 31
Delta R.T. -0.024 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

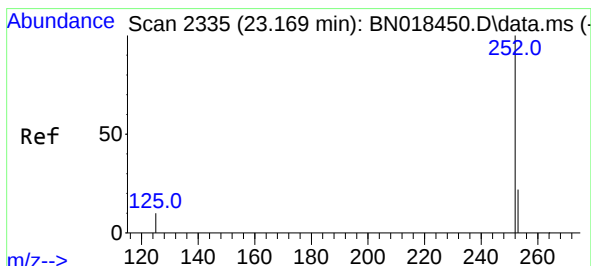
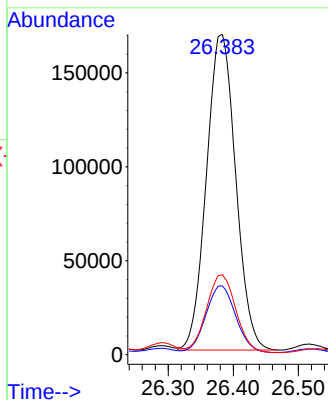
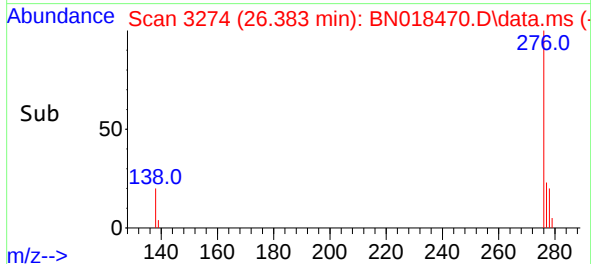
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



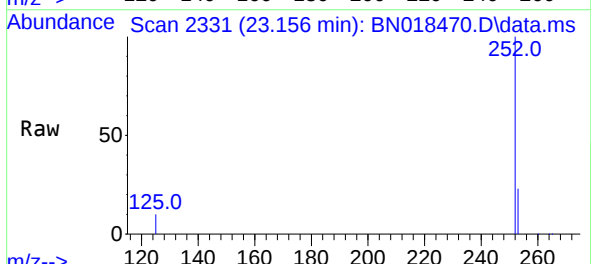
Tgt Ion:276 Resp: 52513
Ion Ratio Lower Upper
276 100
138 21.6 14.9 22.3
277 24.9 19.9 29.9

Manual Integrations
APPROVED

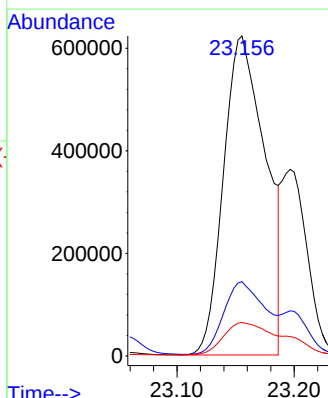
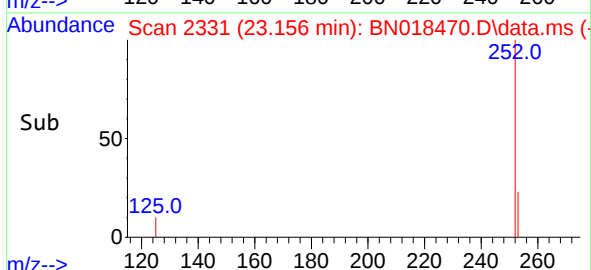
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

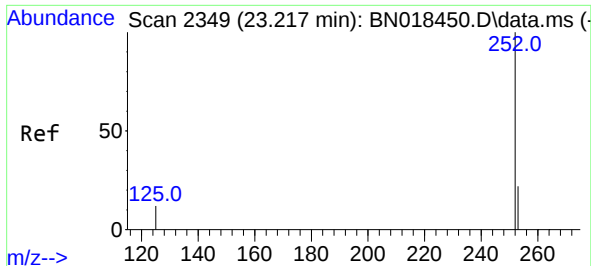


#37
Benzo(b)fluoranthene
Concen: 2.960 ng
RT: 23.156 min Scan# 2331
Delta R.T. -0.014 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



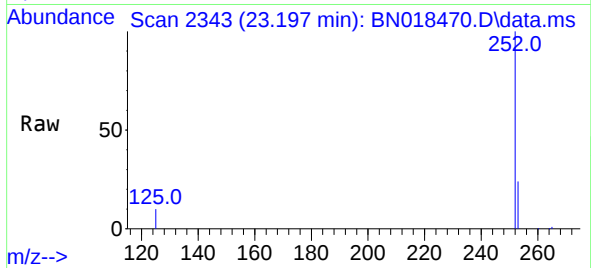
Tgt Ion:252 Resp: 1544795
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.5 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 1.181 ng m
RT: 23.197 min Scan# 21
Delta R.T. -0.021 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

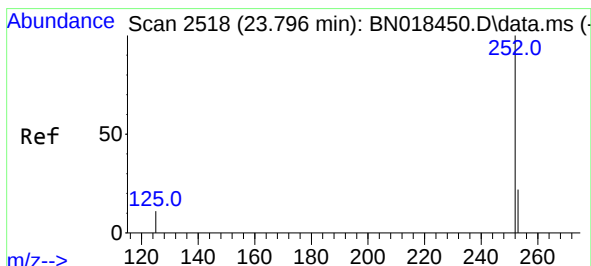
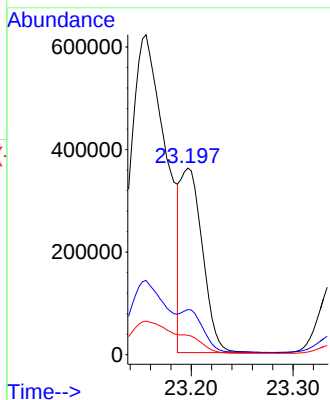
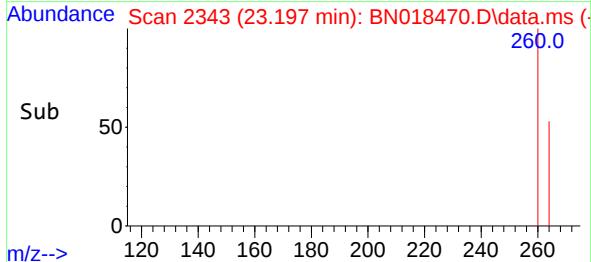
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



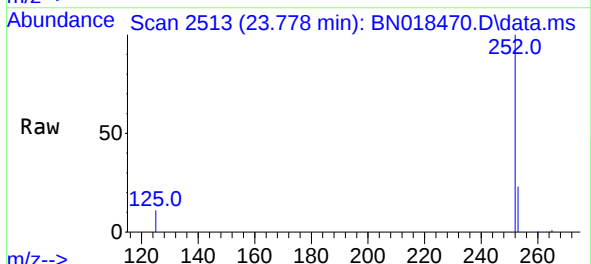
Tgt Ion:252 Resp: 542459
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.4 6.2 9.2

Manual Integrations
APPROVED

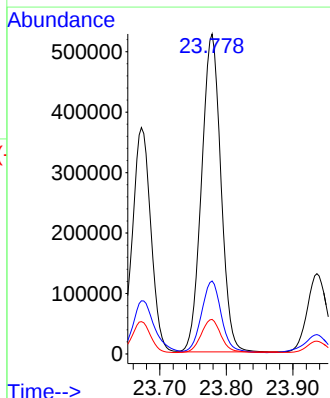
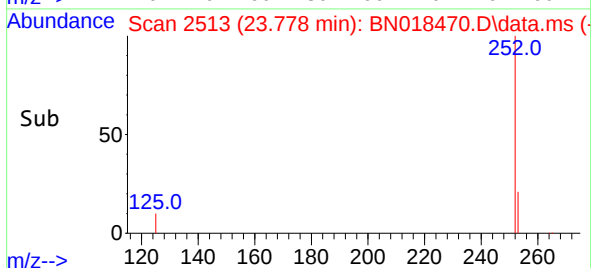
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

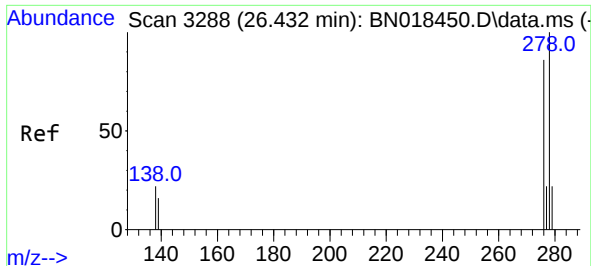


#39
Benzo(a)pyrene
Concen: 2.763 ng
RT: 23.778 min Scan# 2513
Delta R.T. -0.017 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



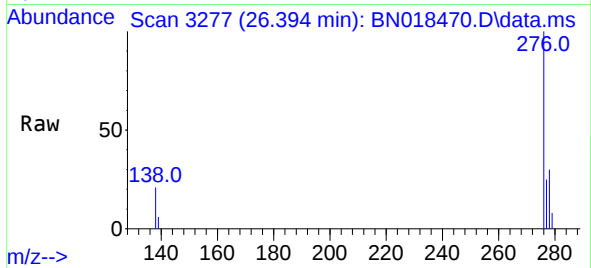
Tgt Ion:252 Resp: 1055479
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.8 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.818 ng
RT: 26.394 min Scan# 31
Delta R.T. -0.038 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36

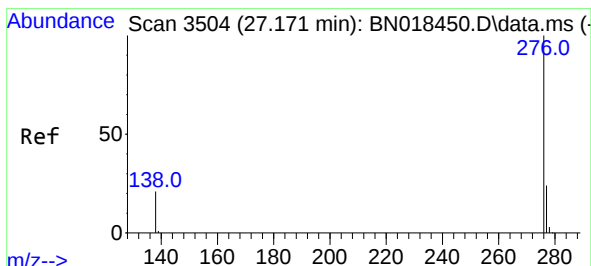
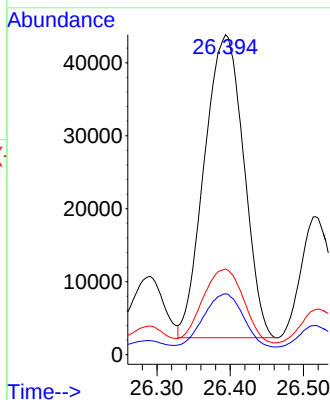
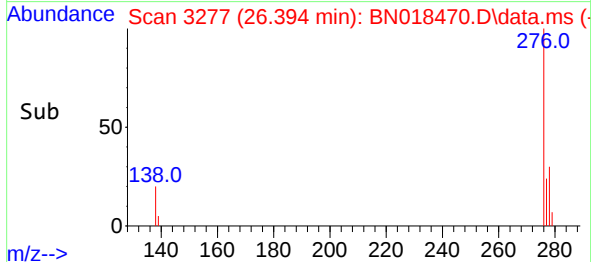
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



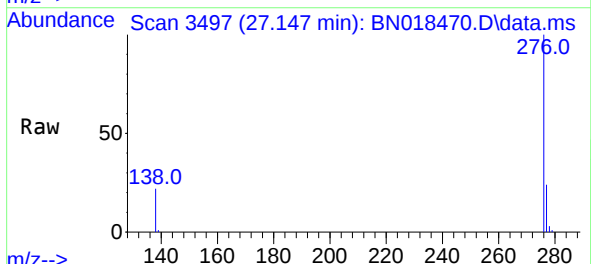
Tgt Ion:278 Resp: 154704
Ion Ratio Lower Upper
278 100
139 19.0 10.8 16.2
279 26.8 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#41
Benzo(g,h,i)perylene
Concen: 1.698 ng
RT: 27.147 min Scan# 3497
Delta R.T. -0.024 min
Lab File: BN018470.D
Acq: 25 Jan 2022 21:36



Tgt Ion:276 Resp: 445066
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 21.6 12.6 19.0#

