

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018493.D
 Acq On : 27 Jan 2022 18:00
 Operator : CG/JU
 Sample : N1245-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jan 28 03:06:01 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 28 03:03:43 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	29594	0.400	ng	0.00
7) Naphthalene-d8	10.736	136	134351	0.400	ng	# 0.00
13) Acenaphthene-d10	14.560	164	75749	0.400	ng	0.00
19) Phenanthrene-d10	17.297	188	147611	0.400	ng	0.00
29) Chrysene-d12	21.471	240	131301	0.400	ng	# 0.00
35) Perylene-d12	23.878	264	140270	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.512	112	19629	0.261	ng	0.03
5) Phenol-d6	7.098	99	21918	0.266	ng	0.02
8) Nitrobenzene-d5	9.088	82	23092	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	12.322	152	56887	0.262	ng	0.00
14) 2,4,6-Tribromophenol	16.044	330	6019	0.272	ng	0.00
15) 2-Fluorobiphenyl	13.190	172	78951	0.263	ng	0.00
27) Fluoranthene-d10	19.326	212	110090	0.253	ng	0.00
31) Terphenyl-d14	19.916	244	85952	0.258	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.786	128	105696	0.300	ng	100
12) 2-Methylnaphthalene	12.398	142	41620	0.176	ng	99
16) Acenaphthylene	14.281	152	29272	0.092	ng	# 96
17) Acenaphthene	14.624	154	116804	0.548	ng	99
18) Fluorene	15.601	166	153948	0.589	ng	98
25) Phenanthrene	17.334	178	2100653	4.865	ng	99
26) Anthracene	17.431	178	449663	1.227	ng	# 90
28) Fluoranthene	19.350	202	2208978	4.643	ng	# 97
30) Pyrene	19.713	202	1870249	4.158	ng	# 94
32) Benzo(a)anthracene	21.461	228	1371212	3.143	ng	97
33) Chrysene	21.503	228	1071317	2.423	ng	97
34) Bis(2-ethylhexyl)phtha...	21.386	149	41214	0.233	ng	95
36) Indeno(1,2,3-cd)pyrene	26.366	276	628472	1.246	ng	97
37) Benzo(b)fluoranthene	23.145	252	1436205	2.974	ng	# 96
38) Benzo(k)fluoranthene	23.190	252	521567m	1.081	ng	
39) Benzo(a)pyrene	23.768	252	1026001	2.655	ng	# 97
40) Dibenzo(a,h)anthracene	26.376	278	188771	0.480	ng	# 90
41) Benzo(g,h,i)perylene	27.133	276	555772	1.266	ng	# 94

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

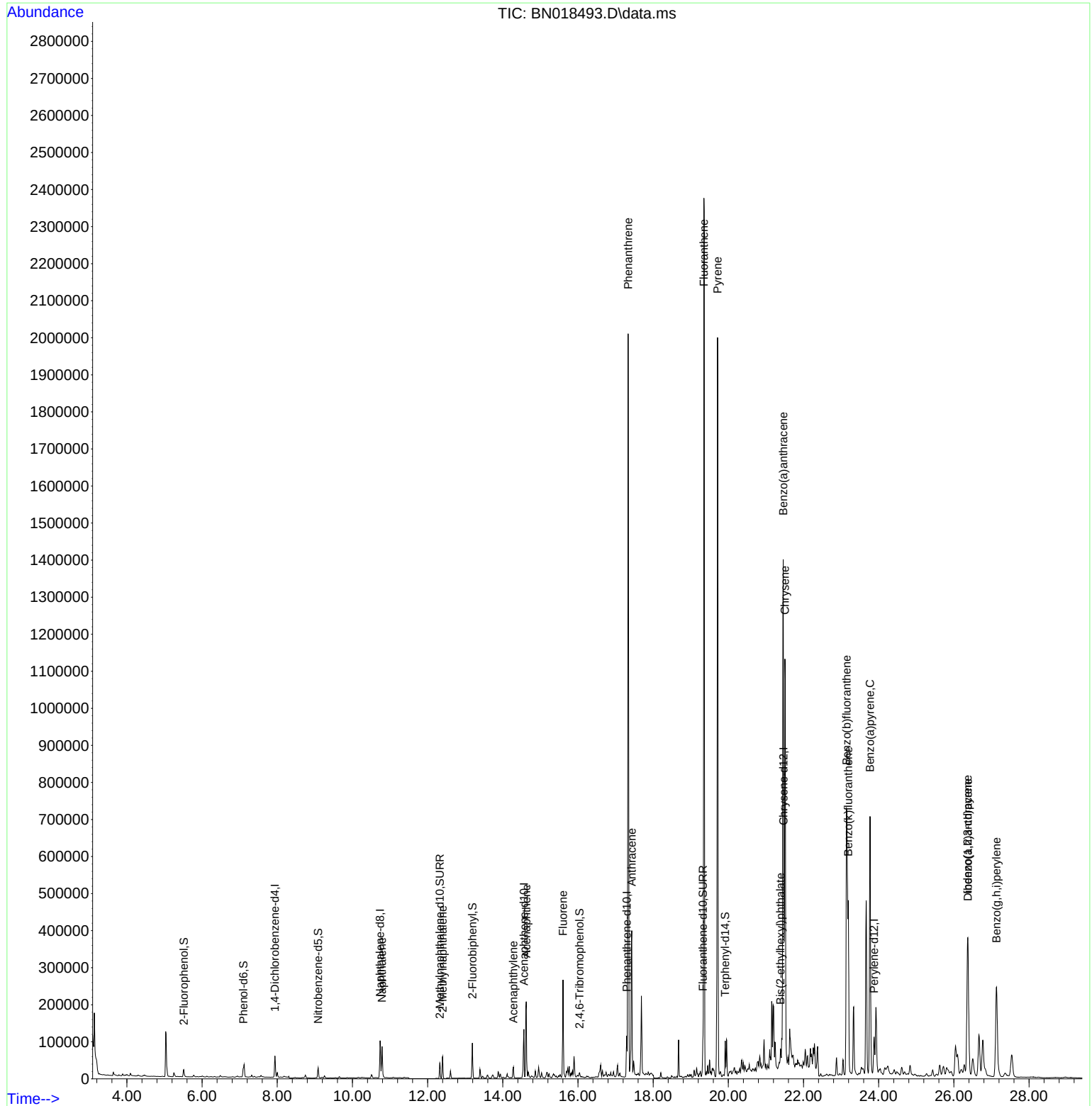
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018493.D
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 Misc :
 ALS Vial : 13 Sample Multiplier: 1

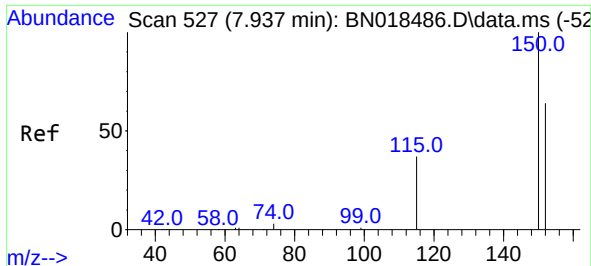
Instrument :
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 SB-2(2.5-3)

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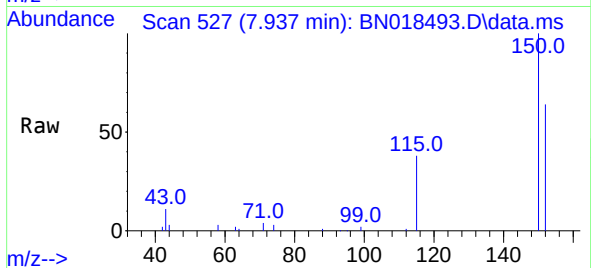
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

Instrument :

BNA_N

ClientSampleId :

SB-2(2.5-3)

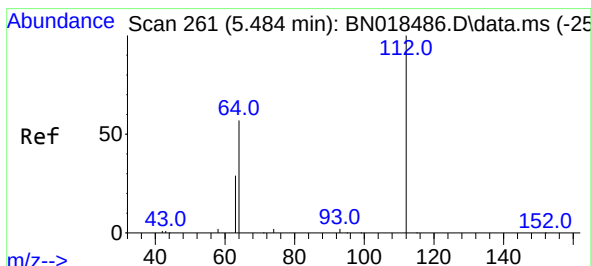
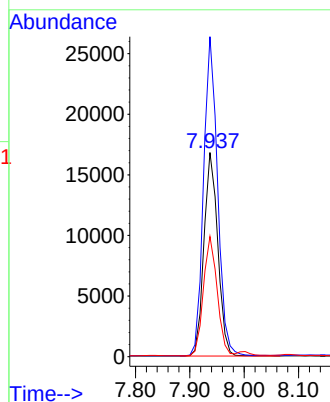


Tgt Ion:152 Resp: 29594
Ion Ratio Lower Upper
152 100
150 156.7 121.7 182.5
115 58.8 43.8 65.8

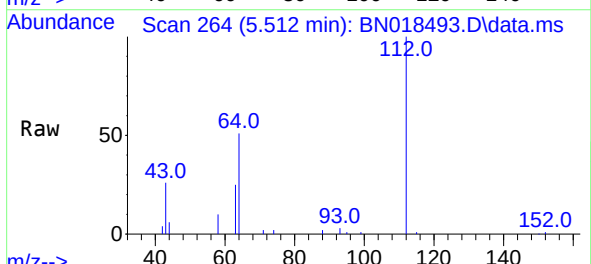
Manual Integrations

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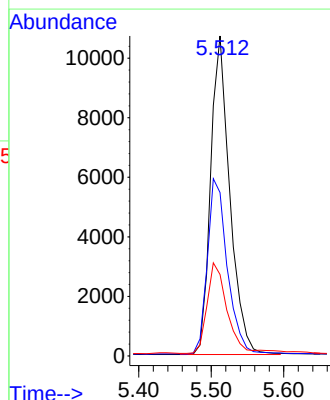
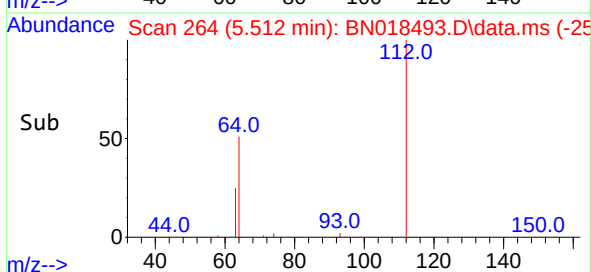
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

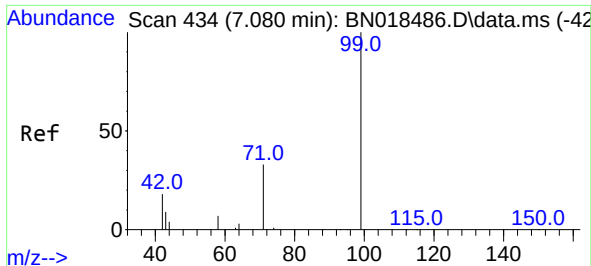


#4
2-Fluorophenol
Concen: 0.261 ng
RT: 5.512 min Scan# 264
Delta R.T. 0.028 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



Tgt Ion:112 Resp: 19629
Ion Ratio Lower Upper
112 100
64 57.4 48.0 72.0
63 30.1 25.3 37.9





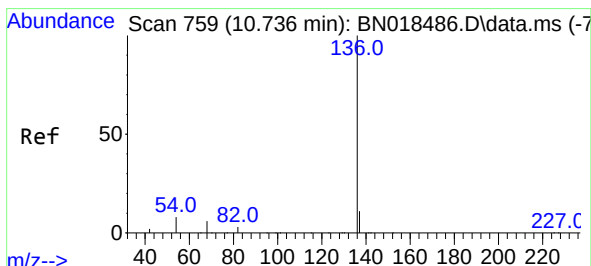
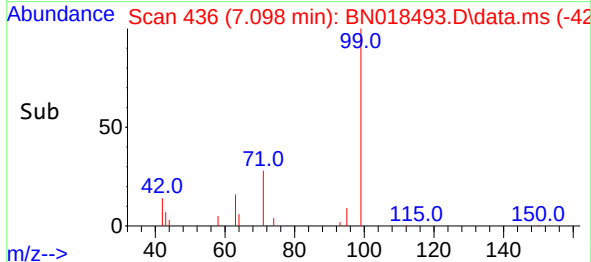
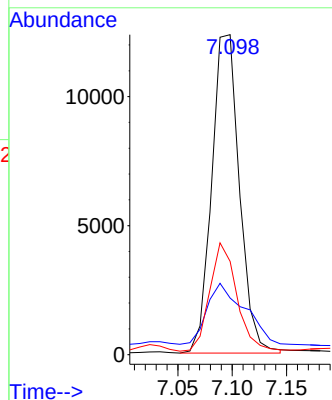
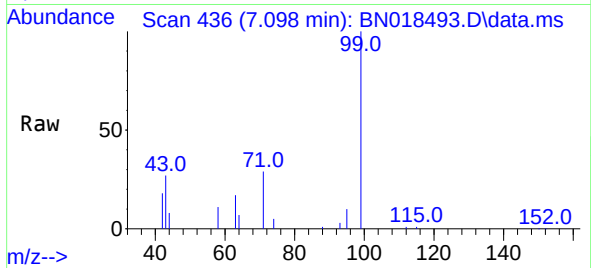
#5
Phenol-d6
Concen: 0.266 ng
RT: 7.098 min Scan# 41
Delta R.T. 0.018 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

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

Tgt Ion: 99 Resp: 21918
Ion Ratio Lower Upper
99 100
42 25.8 16.3 24.5
71 33.1 26.8 40.2

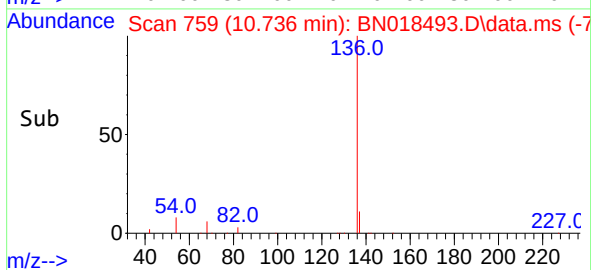
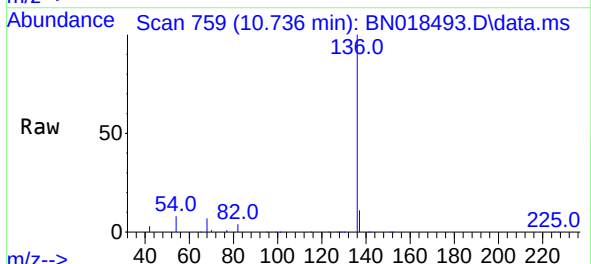
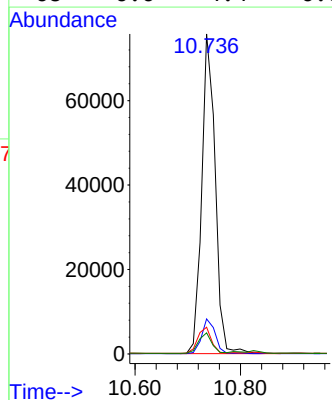
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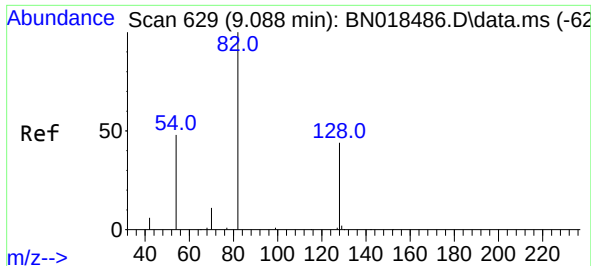
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 759
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

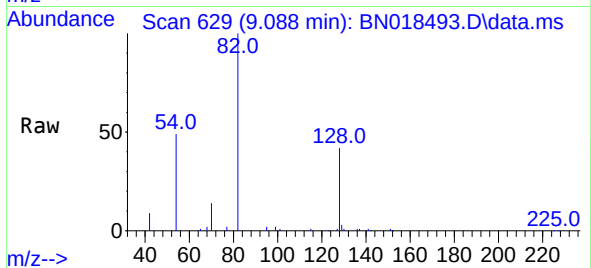
Tgt Ion:136 Resp: 134351
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.4 5.0 7.6#
68 6.6 4.4 6.6#





#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 9.088 min Scan# 612
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

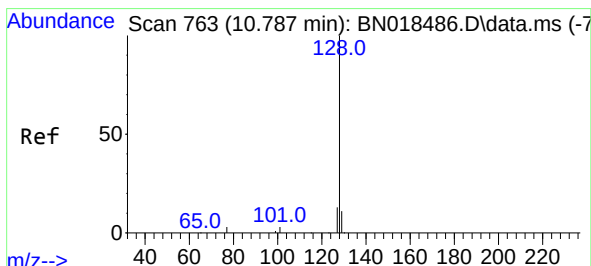
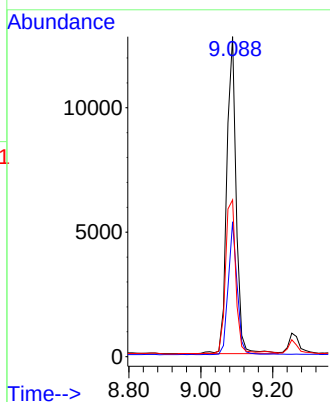
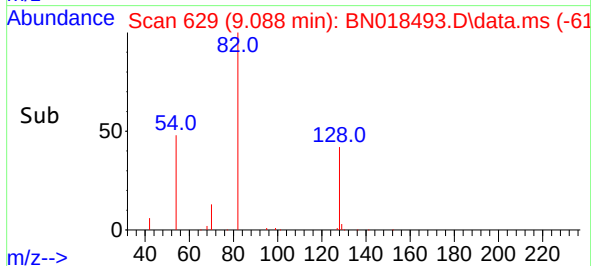
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



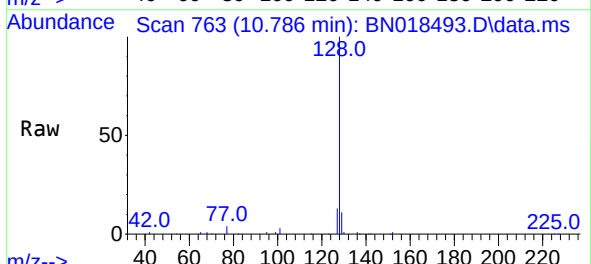
Tgt Ion: 82 Resp: 23092
Ion Ratio Lower Upper
82 100
128 42.1 33.7 50.5
54 49.0 36.6 55.0

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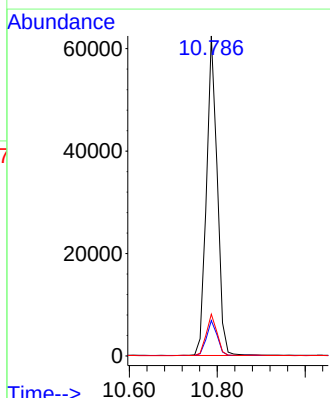
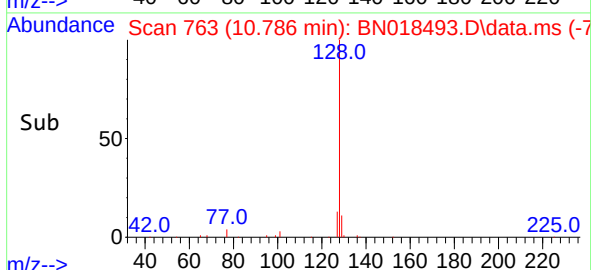
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Supervised By :mohammad ahmed 02/01/2022

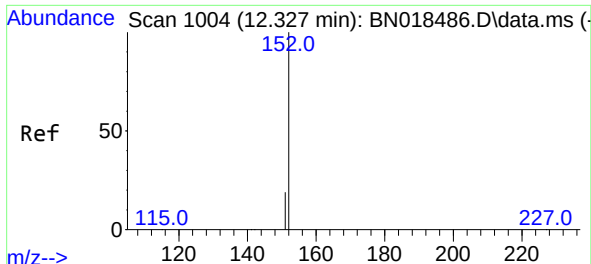


#9
Naphthalene
Concen: 0.300 ng
RT: 10.786 min Scan# 763
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



Tgt Ion:128 Resp: 105696
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.4 15.6





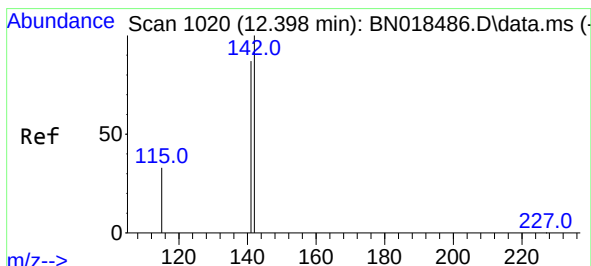
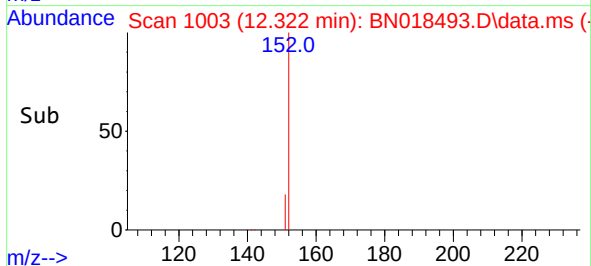
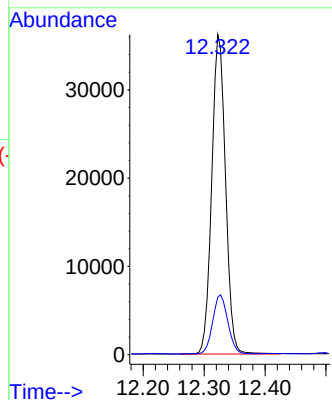
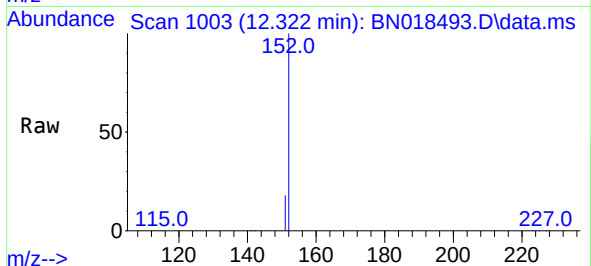
#11
2-Methylnaphthalene-d10
Concen: 0.262 ng
RT: 12.322 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

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

Tgt Ion:152 Resp: 5688
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2

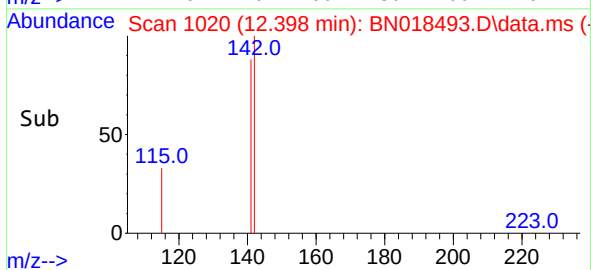
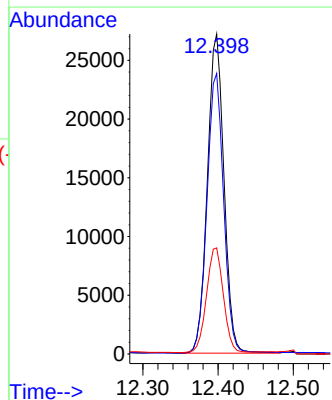
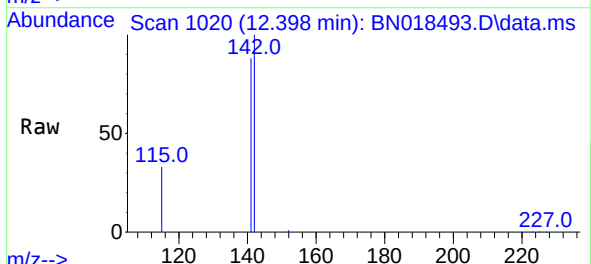
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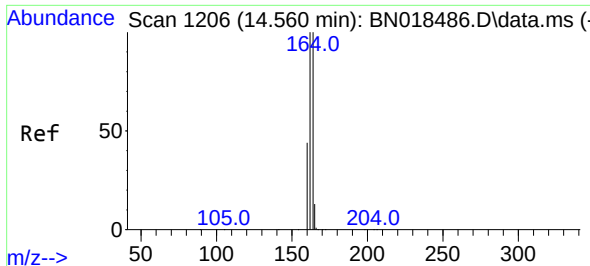
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Supervised By :mohammad ahmed 02/01/2022



#12
2-Methylnaphthalene
Concen: 0.176 ng
RT: 12.398 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

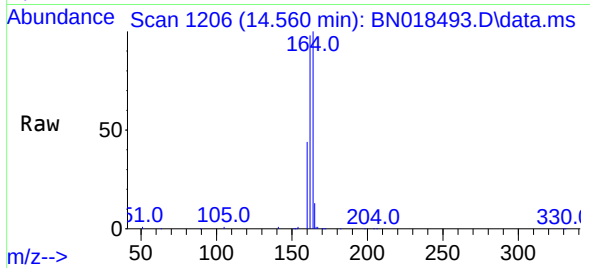
Tgt Ion:142 Resp: 41620
Ion Ratio Lower Upper
142 100
141 87.7 70.0 105.0
115 33.2 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.560 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

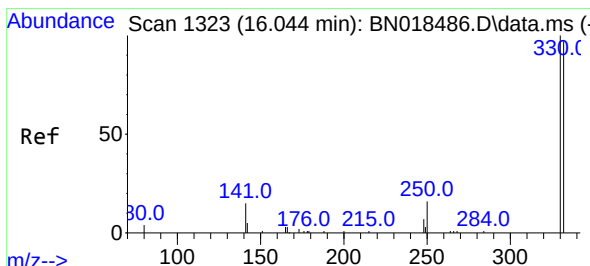
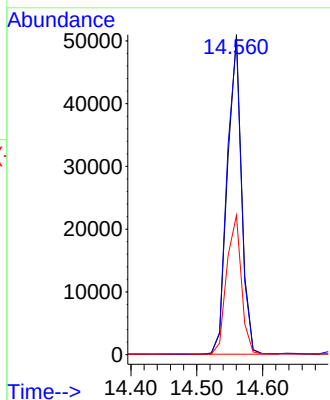
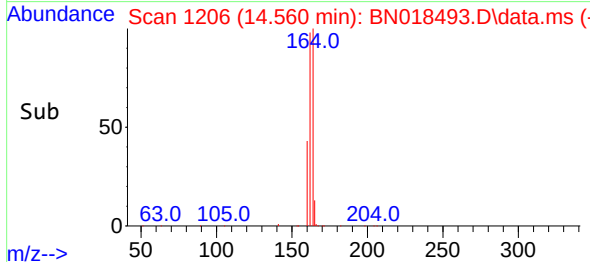
Instrument :
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SB-2(2.5-3)



Tgt Ion:164 Resp: 75749
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 43.6 36.9 55.3

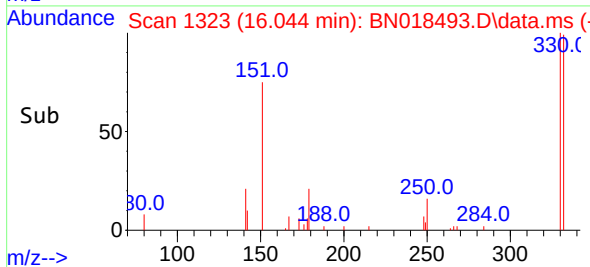
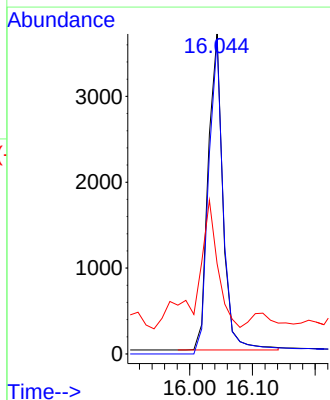
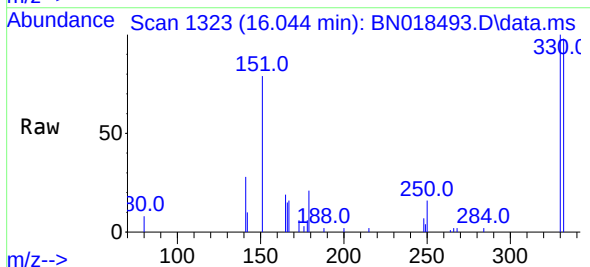
Manual Integrations
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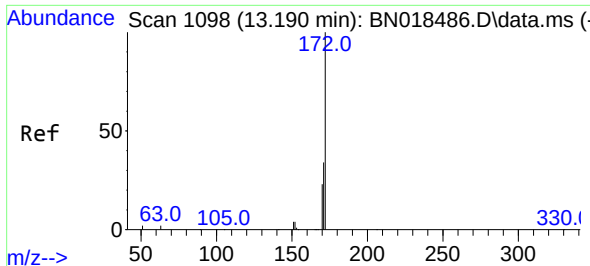
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#14
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 16.044 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

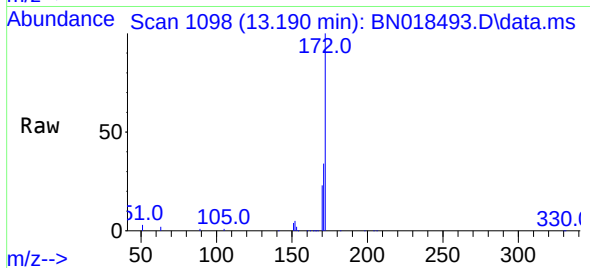
Tgt Ion:330 Resp: 6019
Ion Ratio Lower Upper
330 100
332 102.2 0.0 0.0#
141 47.0 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 13.190 min Scan# 1098
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

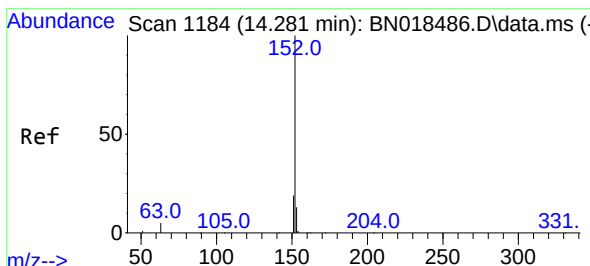
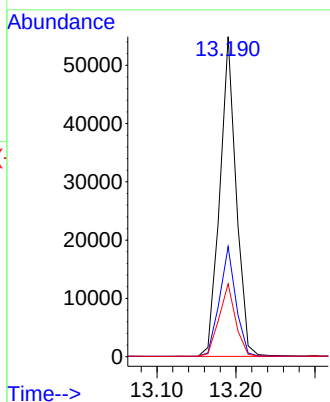
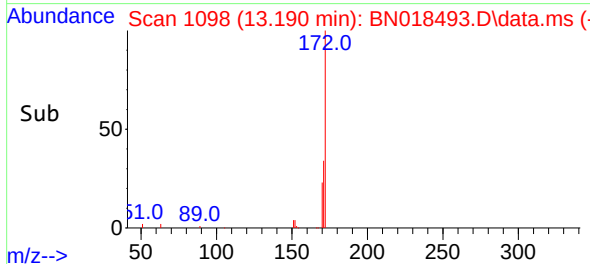
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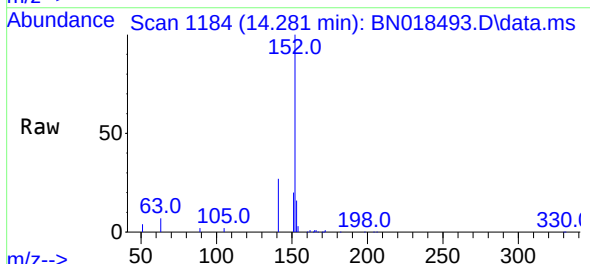
Tgt Ion:172 Resp: 7895
Ion Ratio Lower Upper
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171 34.4 27.4 41.0
170 22.8 18.4 27.6

Manual Integrations
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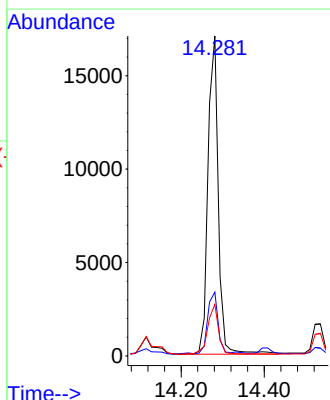
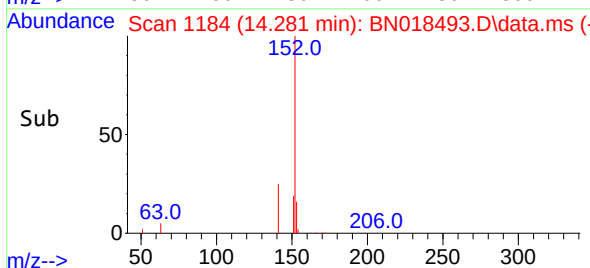
Reviewed By :Jagrut Upadhyay 01/31/2022
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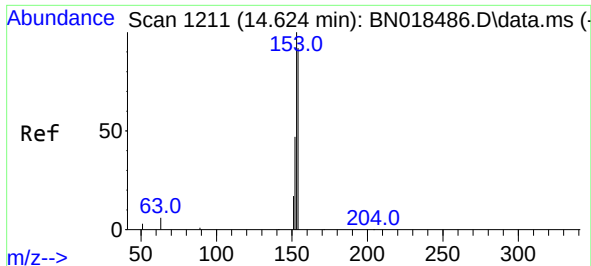


#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.281 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



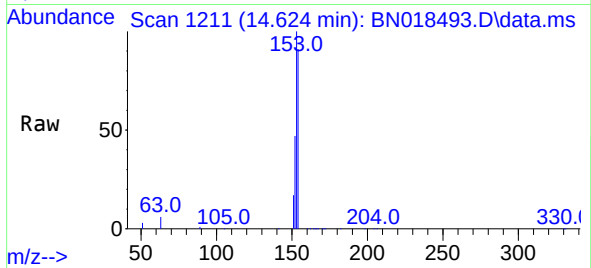
Tgt Ion:152 Resp: 29272
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 16.1 10.5 15.7#





#17
Acenaphthene
Concen: 0.548 ng
RT: 14.624 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

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

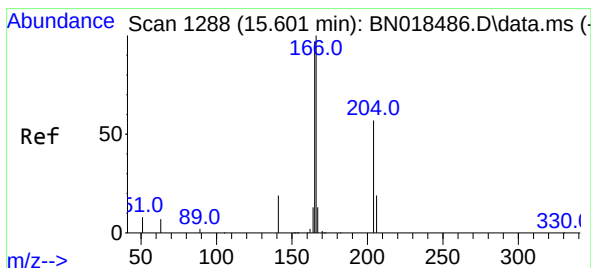
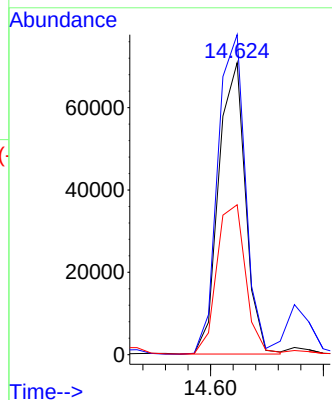


Tgt Ion:154 Resp: 116804
Ion Ratio Lower Upper
154 100
153 114.7 90.9 136.3
152 56.2 45.0 67.4

Manual Integrations
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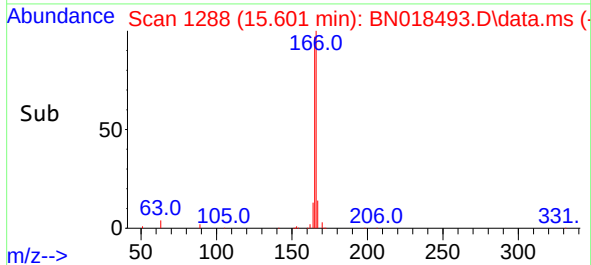
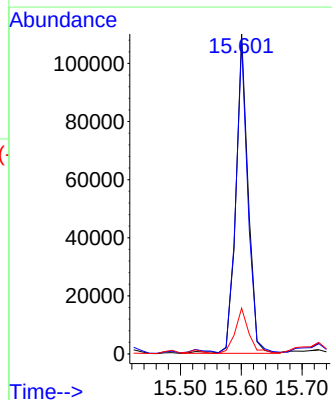
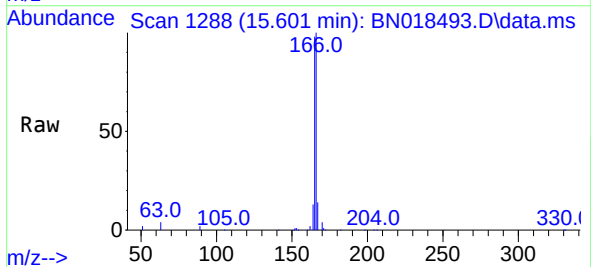
Reviewed By :Jagrut
Upadhyay
01/31/2022

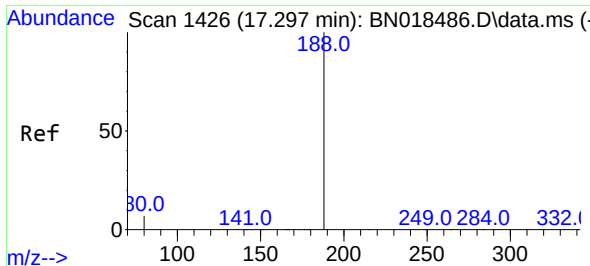
Supervised By :mohammad
ahmed
02/01/2022



#18
Fluorene
Concen: 0.589 ng
RT: 15.601 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

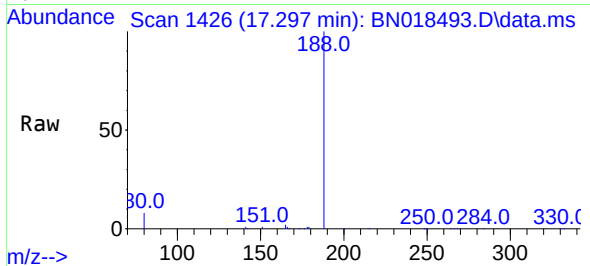
Tgt Ion:166 Resp: 153948
Ion Ratio Lower Upper
166 100
165 95.8 77.8 116.6
167 15.7 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

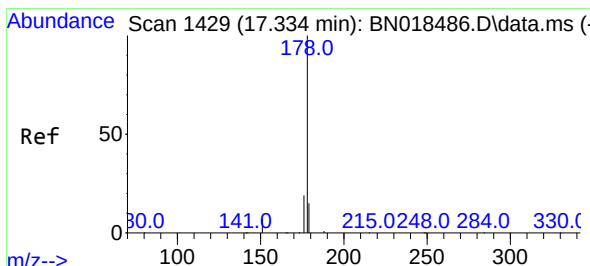
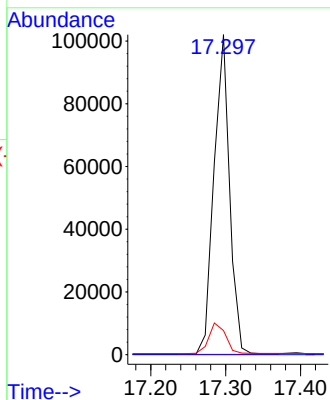
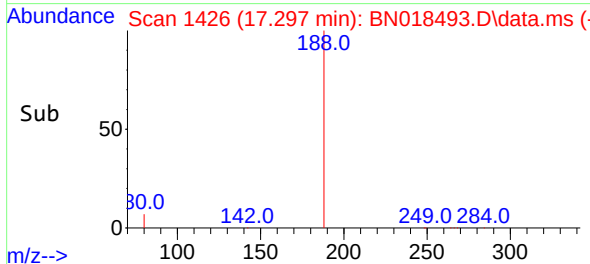
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



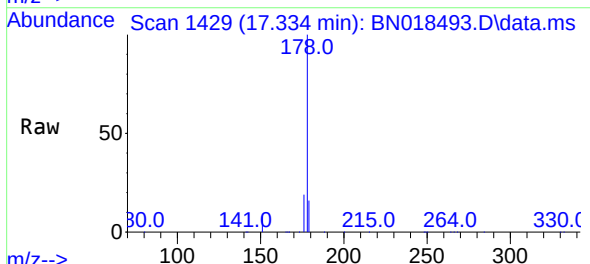
Tgt Ion:188 Resp: 14761
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.6 7.0 10.4

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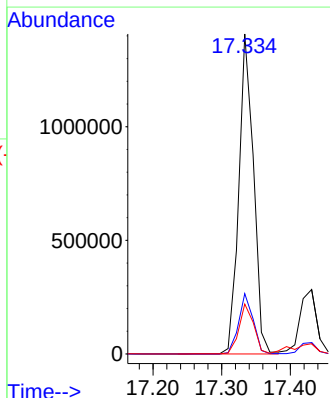
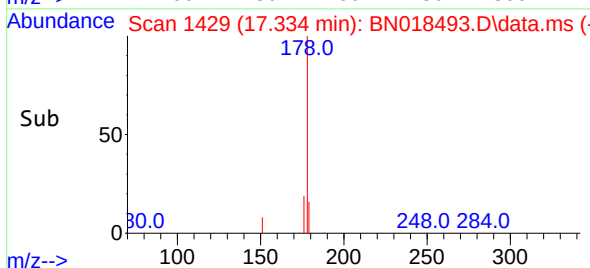
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

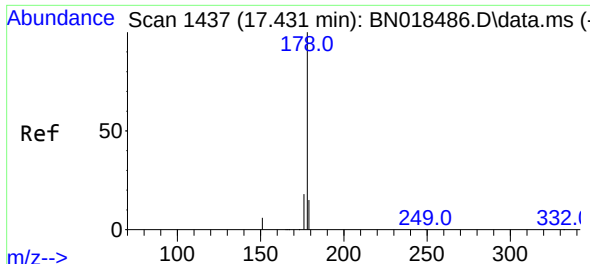


#25
Phenanthrene
Concen: 4.865 ng
RT: 17.334 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



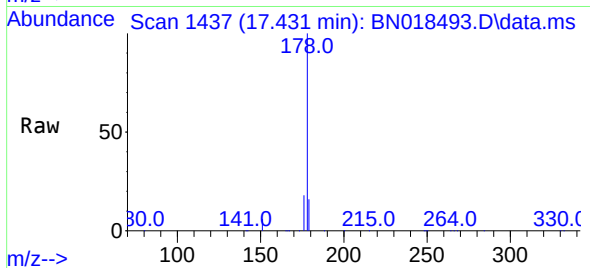
Tgt Ion:178 Resp: 2100653
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.6 12.3 18.5





#26
 Anthracene
 Concen: 1.227 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. -0.000 min
 Lab File: BN018493.D
 Acq: 27 Jan 2022 18:00

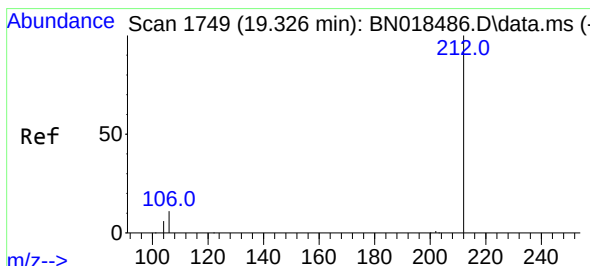
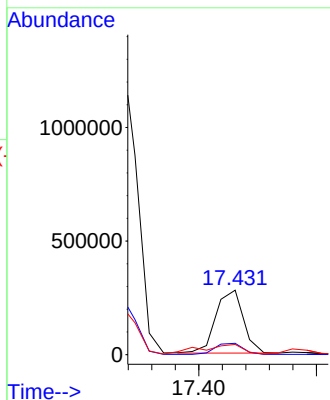
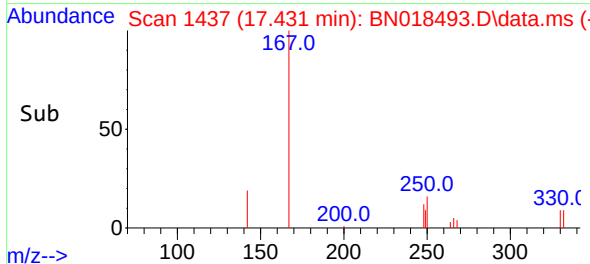
Instrument :
 BNA_N
 ClientSampleId :
 SB-2(2.5-3)



Tgt Ion:178 Resp: 44966
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 23.6 12.2 18.4

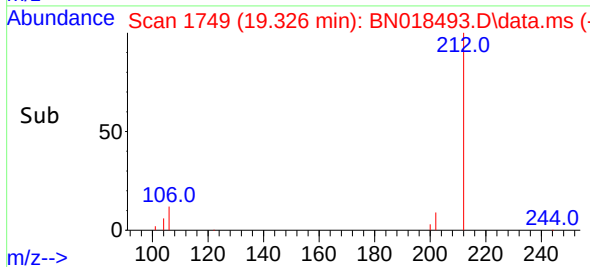
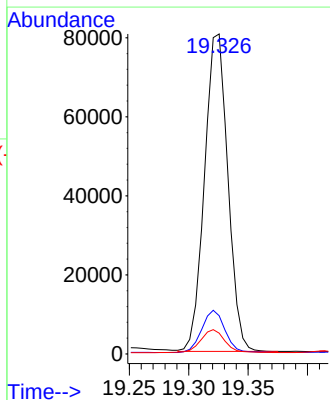
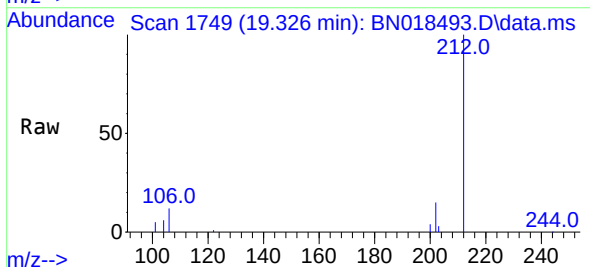
Manual Integrations
 APPROVED

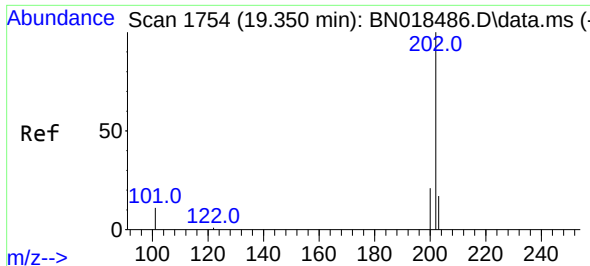
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022



#27
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.326 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: BN018493.D
 Acq: 27 Jan 2022 18:00

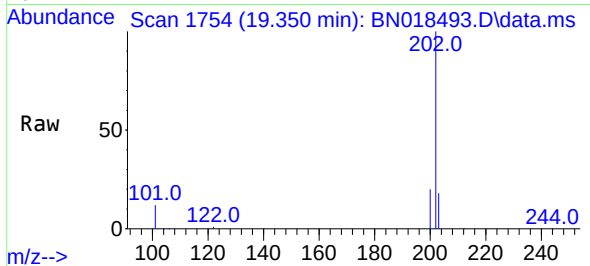
Tgt Ion:212 Resp: 110090
 Ion Ratio Lower Upper
 212 100
 106 13.2 8.4 12.6#
 104 7.5 4.5 6.7#





#28
Fluoranthene
Concen: 4.643 ng
RT: 19.350 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

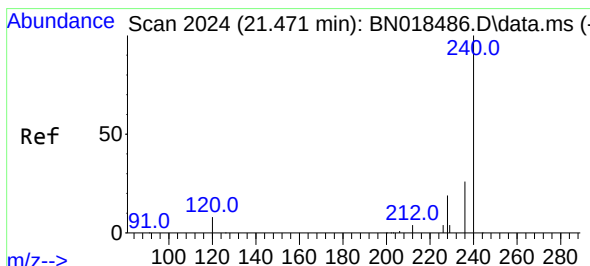
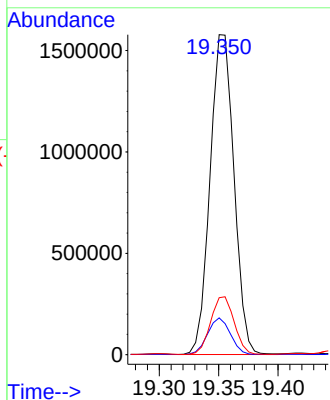
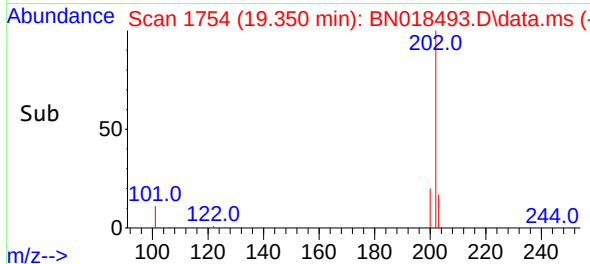
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:202 Resp: 2208978
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 17.7 13.7 20.5

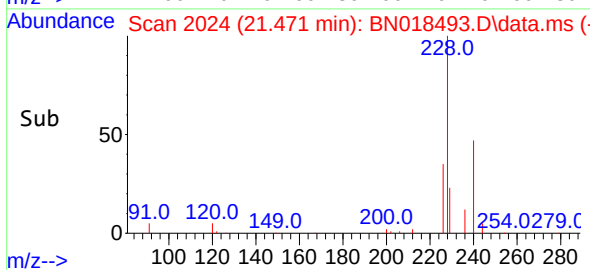
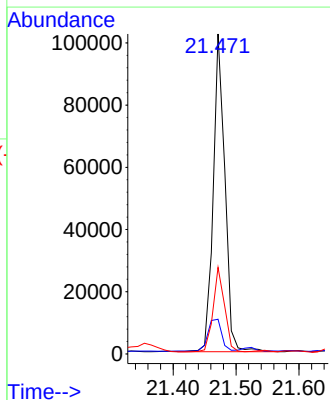
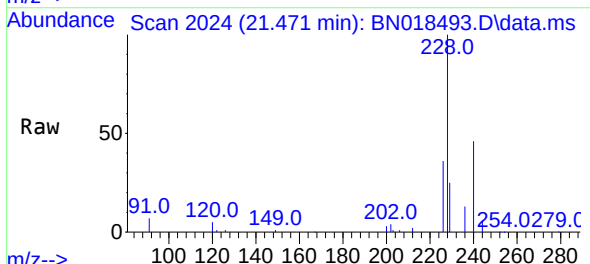
Manual Integrations
APPROVED

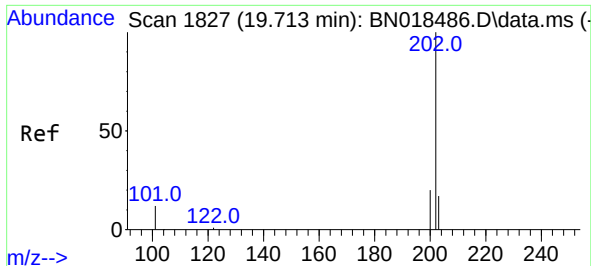
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.471 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

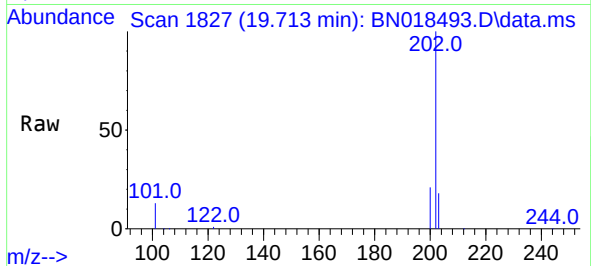
Tgt Ion:240 Resp: 131301
Ion Ratio Lower Upper
240 100
120 10.8 6.0 9.0
236 27.1 21.4 32.2





#30
Pyrene
Concen: 4.158 ng
RT: 19.713 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

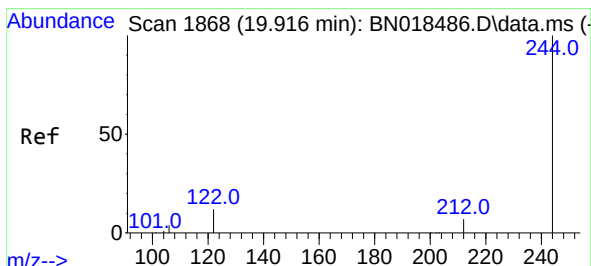
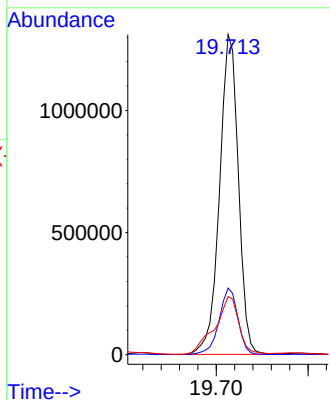
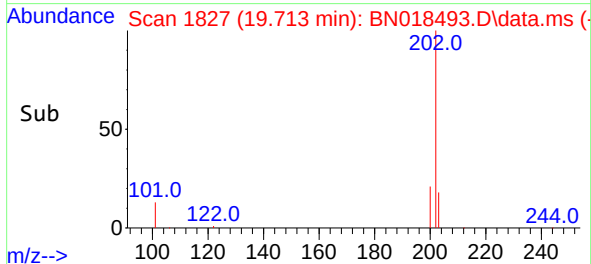
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



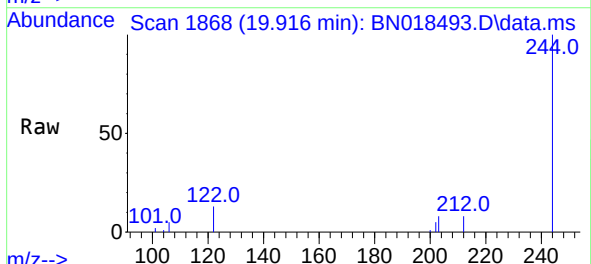
Tgt Ion:202 Resp: 1870249
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 23.0 14.1 21.1

Manual Integrations
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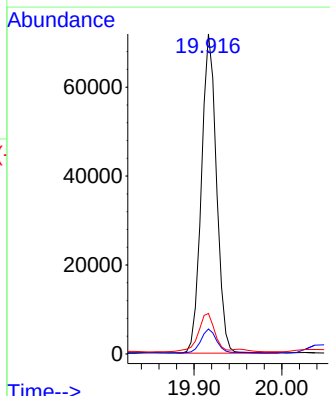
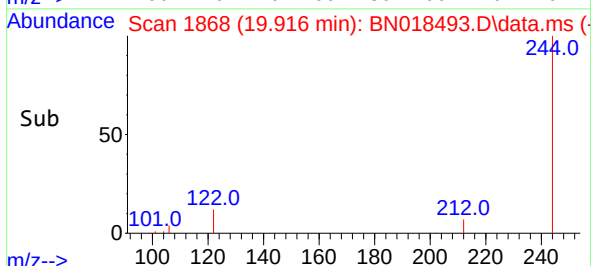
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

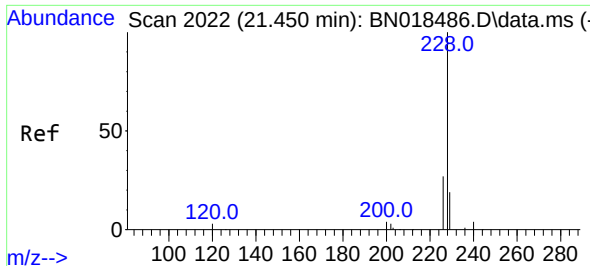


#31
Terphenyl-d14
Concen: 0.258 ng
RT: 19.916 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



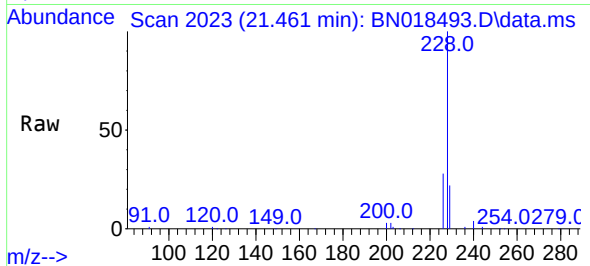
Tgt Ion:244 Resp: 85952
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 12.7 7.9 11.9





#32
Benzo(a)anthracene
Concen: 3.143 ng
RT: 21.461 min Scan# 2023
Delta R.T. 0.011 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

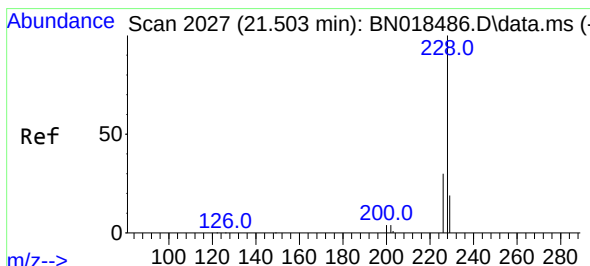
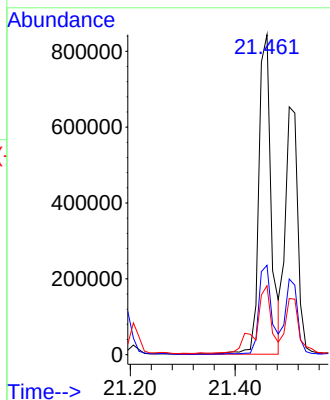
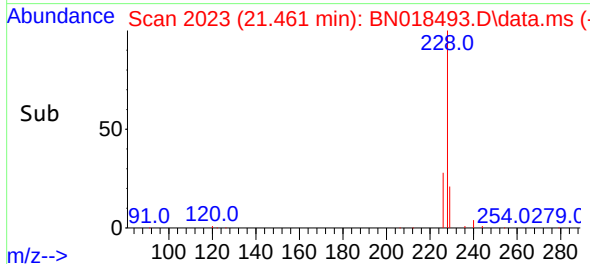
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:228 Resp: 137121
Ion Ratio Lower Upper
228 100
226 28.0 21.3 31.9
229 21.6 15.9 23.9

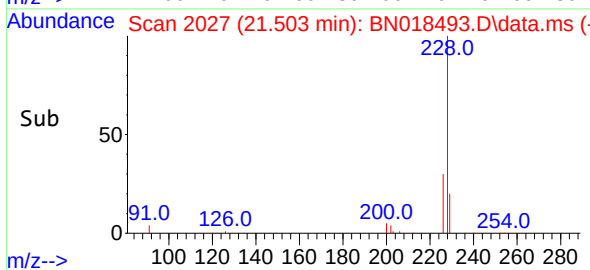
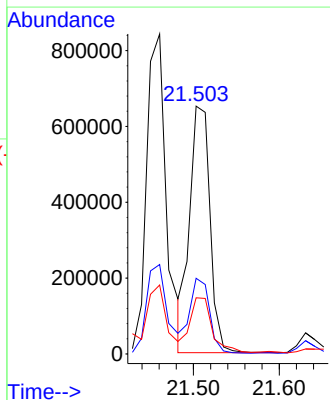
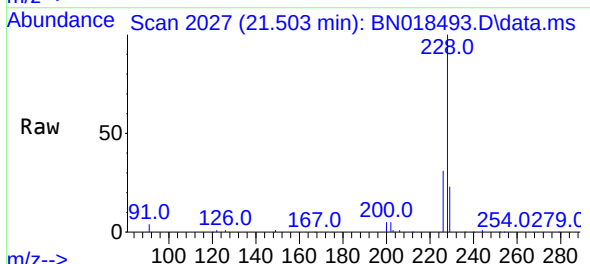
Manual Integrations
APPROVED

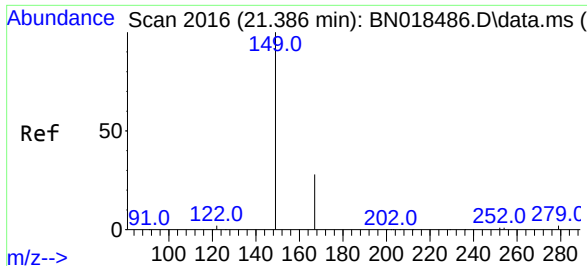
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#33
Chrysene
Concen: 2.423 ng
RT: 21.503 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

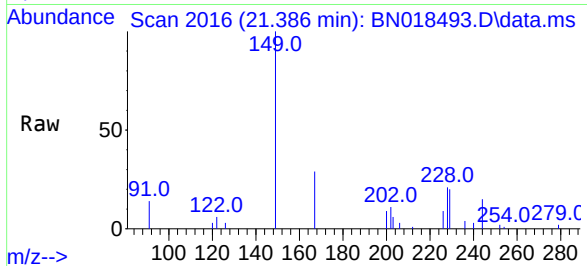
Tgt Ion:228 Resp: 1071317
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 22.6 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.233 ng
RT: 21.386 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

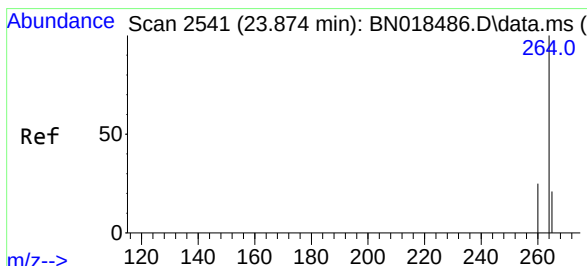
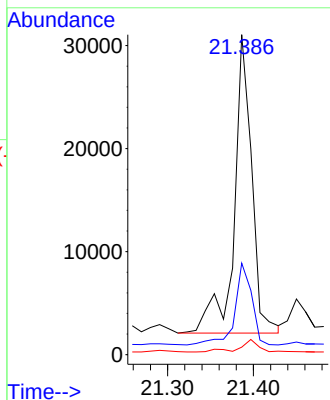
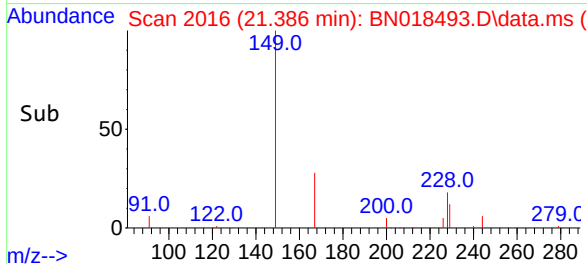
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:149 Resp: 41214
Ion Ratio Lower Upper
149 100
167 26.3 23.7 35.5
279 4.4 3.6 5.4

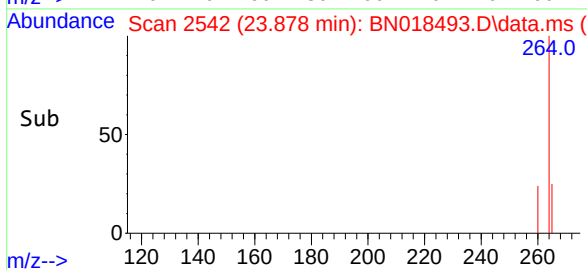
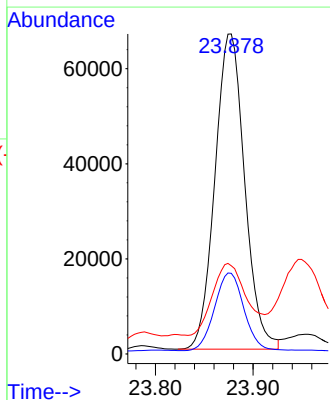
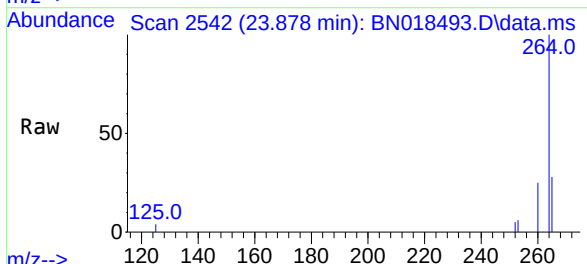
Manual Integrations
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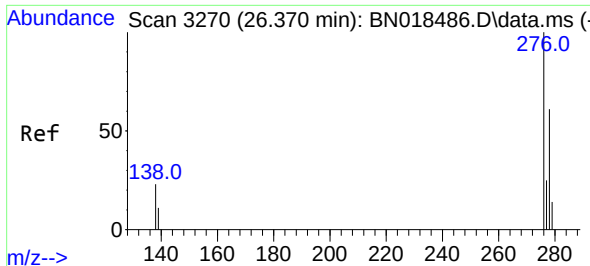
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.878 min Scan# 2542
Delta R.T. 0.003 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

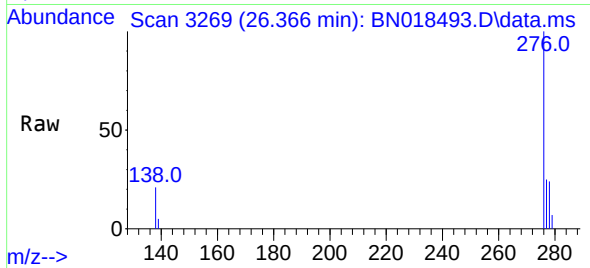
Tgt Ion:264 Resp: 140270
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.4
265 27.5 18.2 27.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.246 ng
RT: 26.366 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

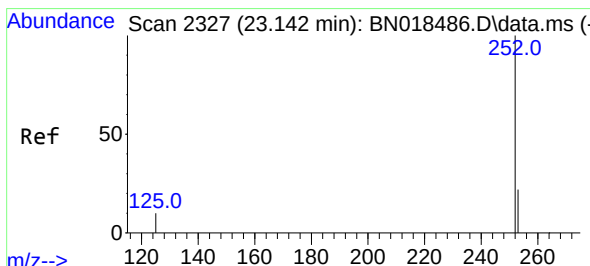
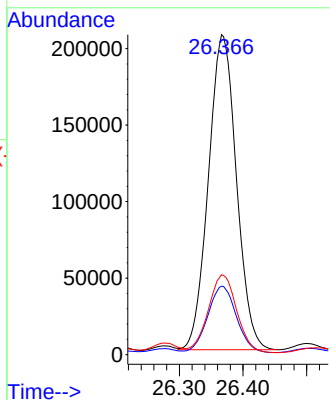
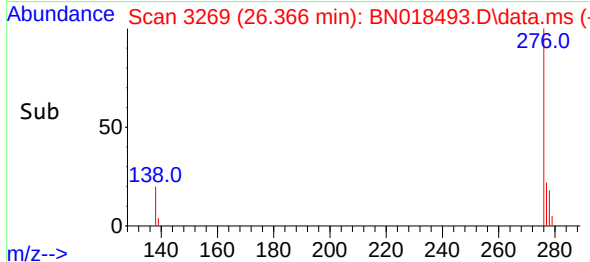
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



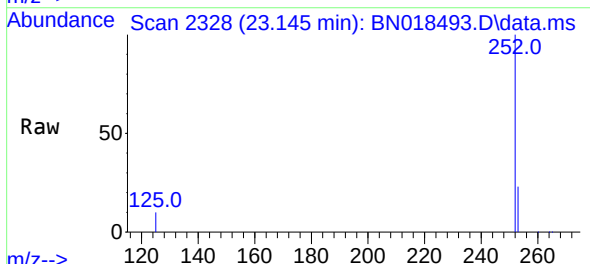
Tgt Ion:276 Resp: 628472
Ion Ratio Lower Upper
276 100
138 21.6 14.9 22.3
277 25.1 19.9 29.9

Manual Integrations
APPROVED

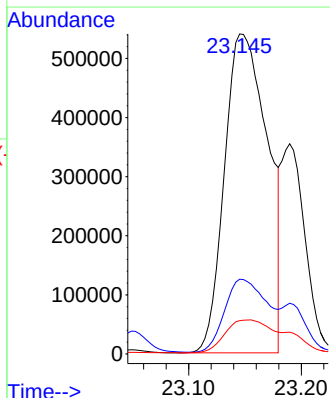
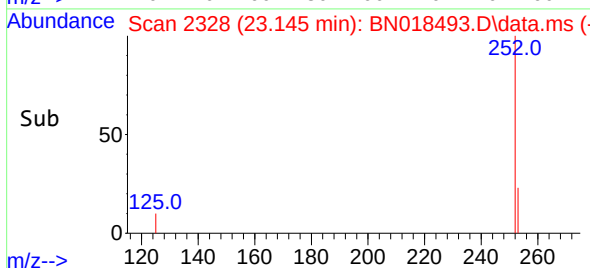
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

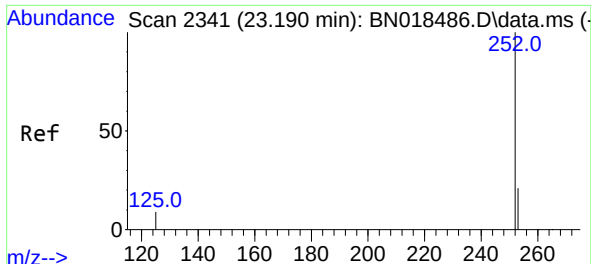


#37
Benzo(b)fluoranthene
Concen: 2.974 ng
RT: 23.145 min Scan# 2328
Delta R.T. 0.003 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00



Tgt Ion:252 Resp: 1436205
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.4 6.0 9.0#





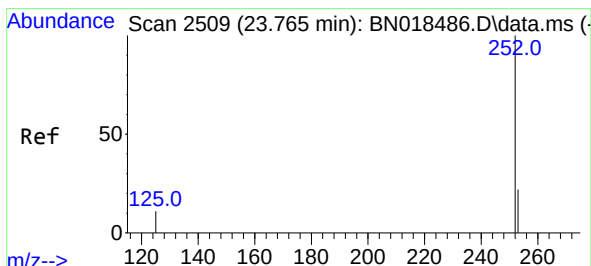
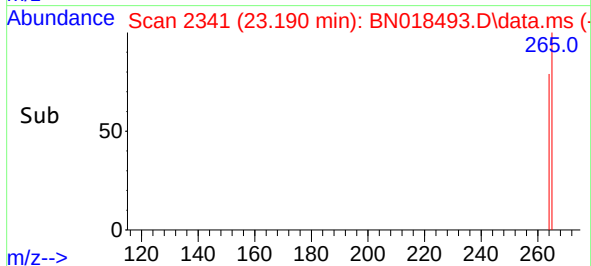
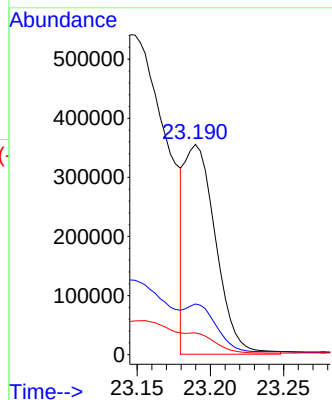
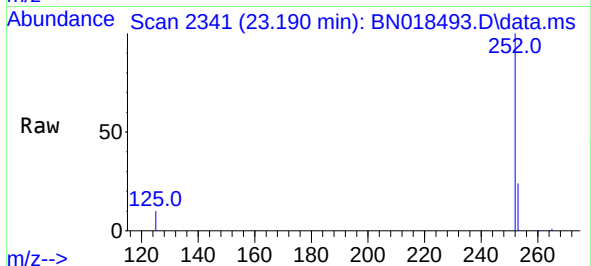
#38
Benzo(k)fluoranthene
Concen: 1.081 ng m
RT: 23.190 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

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

Tgt Ion:252 Resp: 52156
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 10.4 6.2 9.2

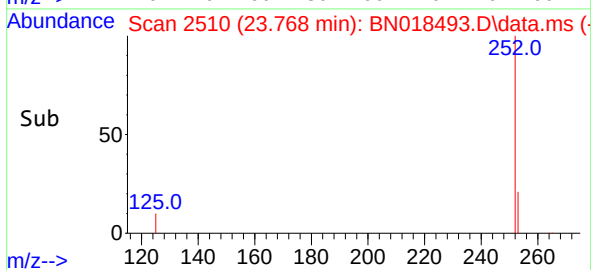
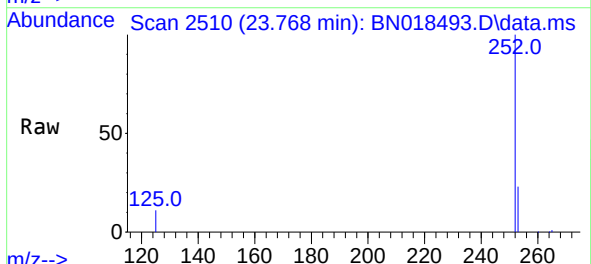
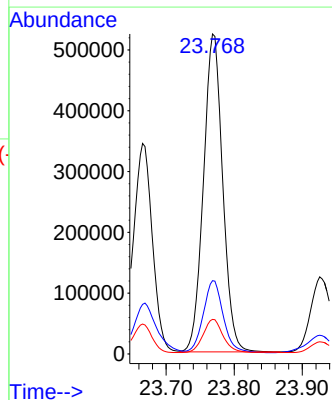
Manual Integrations
APPROVED

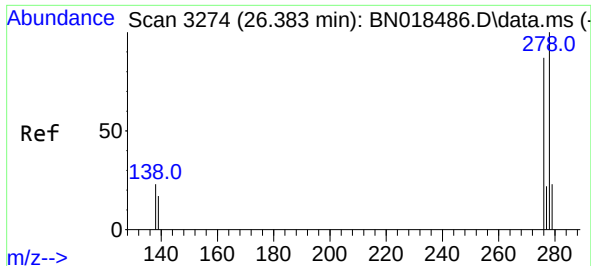
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#39
Benzo(a)pyrene
Concen: 2.655 ng
RT: 23.768 min Scan# 2510
Delta R.T. 0.003 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

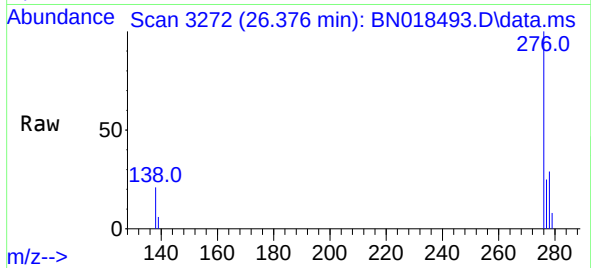
Tgt Ion:252 Resp: 1026001
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.8 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 0.480 ng
RT: 26.376 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

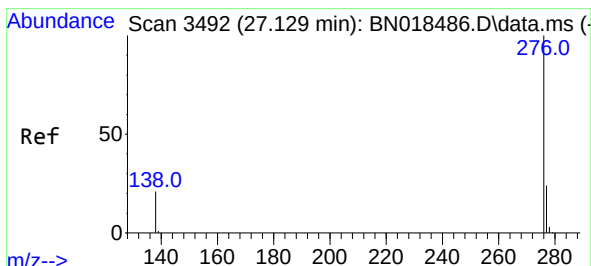
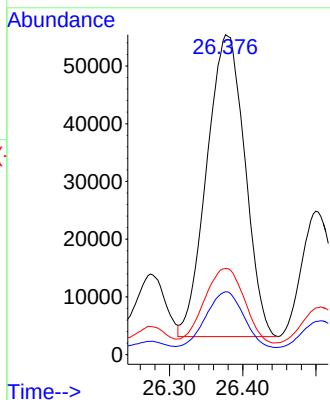
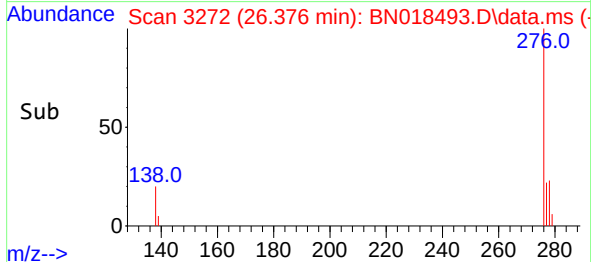
Instrument :
BNA_N
ClientSampleId :
SB-2(2.5-3)



Tgt Ion:278 Resp: 188772
Ion Ratio Lower Upper
278 100
139 19.6 10.8 16.2
279 26.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#41
Benzo(g,h,i)perylene
Concen: 1.266 ng
RT: 27.133 min Scan# 3493
Delta R.T. 0.003 min
Lab File: BN018493.D
Acq: 27 Jan 2022 18:00

Tgt Ion:276 Resp: 555772
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 21.3 12.6 19.0#

