

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
 Data File : BN018494.D
 Acq On : 27 Jan 2022 18:36
 Operator : CG/JU
 Sample : N1245-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)

Quant Time: Jan 28 03:06:11 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	29802	0.400	ng	0.00
7) Naphthalene-d8	10.736	136	135804	0.400	ng	# 0.00
13) Acenaphthene-d10	14.561	164	78066	0.400	ng	0.00
19) Phenanthrene-d10	17.297	188	149366	0.400	ng	0.00
29) Chrysene-d12	21.472	240	117995	0.400	ng	# 0.00
35) Perylene-d12	23.878	264	150834	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.503	112	20220	0.267	ng	0.02
5) Phenol-d6	7.089	99	22781	0.274	ng	0.00
8) Nitrobenzene-d5	9.089	82	25863	0.276	ng	0.00
11) 2-Methylnaphthalene-d10	12.323	152	53779	0.245	ng	0.00
14) 2,4,6-Tribromophenol	16.044	330	8798	0.339	ng	0.00
15) 2-Fluorobiphenyl	13.190	172	72787	0.235	ng	0.00
27) Fluoranthene-d10	19.331	212	93832	0.213	ng	0.00
31) Terphenyl-d14	19.917	244	78063	0.260	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.787	128	234293	0.659	ng	100
12) 2-Methylnaphthalene	12.394	142	47344	0.198	ng	99
16) Acenaphthylene	14.281	152	264516	0.805	ng	100
17) Acenaphthene	14.624	154	58897	0.268	ng	99
18) Fluorene	15.601	166	122358	0.454	ng	# 97
25) Phenanthrene	17.334	178	1568885	3.591	ng	99
26) Anthracene	17.431	178	691115	1.863	ng	99
28) Fluoranthene	19.361	202	4559060	9.469	ng	# 96
30) Pyrene	19.718	202	4200280	10.392	ng	# 93
32) Benzo(a)anthracene	21.461	228	4245511	10.827	ng	92
33) Chrysene	21.514	228	3350659	8.431	ng	96
34) Bis(2-ethylhexyl)phtha...	21.387	149	15584	0.098	ng	91
36) Indeno(1,2,3-cd)pyrene	26.377	276	2260279	4.167	ng	97
37) Benzo(b)fluoranthene	23.156	252	4681046	9.014	ng	# 96
38) Benzo(k)fluoranthene	23.194	252	1927507m	3.714	ng	
39) Benzo(a)pyrene	23.779	252	3822208	9.199	ng	# 97
40) Dibenzo(a,h)anthracene	26.387	278	702372	1.661	ng	# 90
41) Benzo(g,h,i)perylene	27.150	276	1853034	3.926	ng	# 94

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

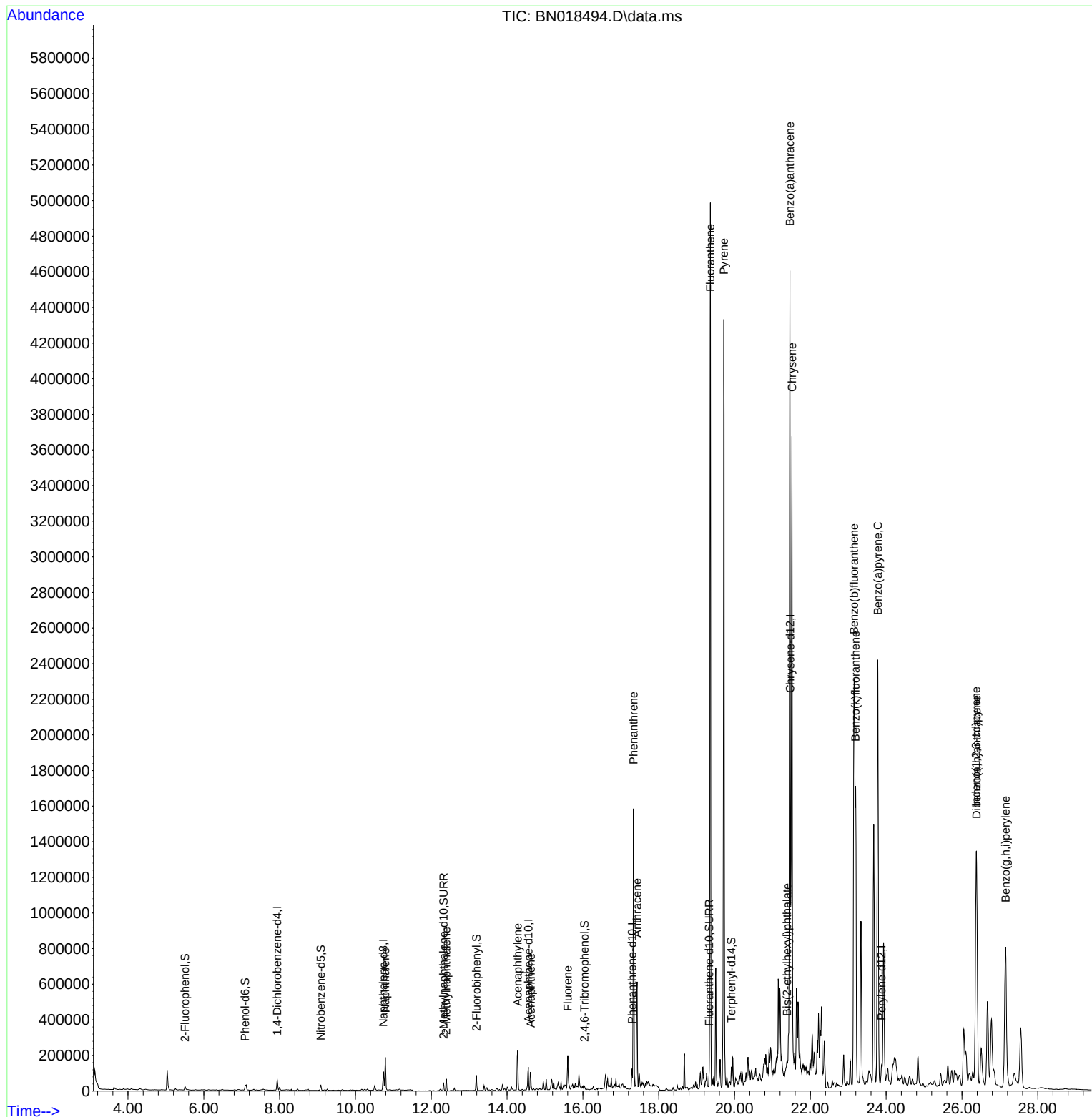
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
Data File : BN018494.D
Acq On : 27 Jan 2022 18:36
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Sample : N1245-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

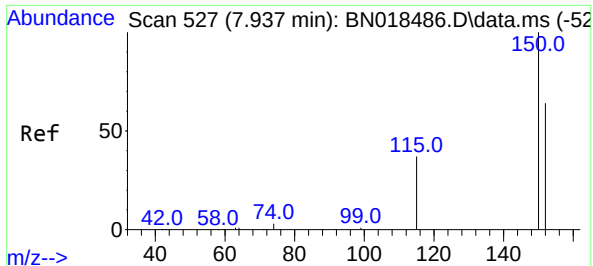
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)

Quant Time: Jan 28 03:06:11 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
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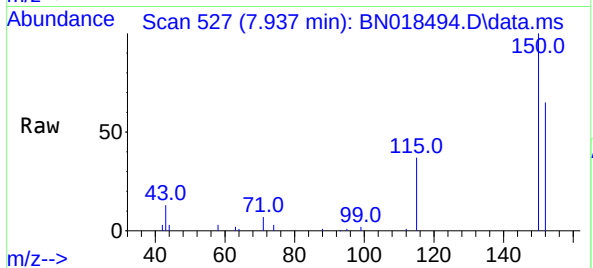
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.937 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: BN018494.D
 Acq: 27 Jan 2022 18:36

Instrument :

BNA_N

ClientSampleId :

SB-5(3.5-4)

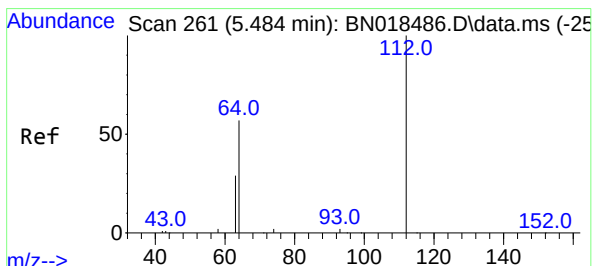
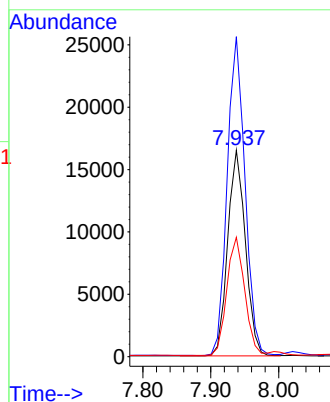


Tgt Ion:152 Resp: 2980
 Ion Ratio Lower Upper
 152 100
 150 155.0 121.7 182.5
 115 57.8 43.8 65.8

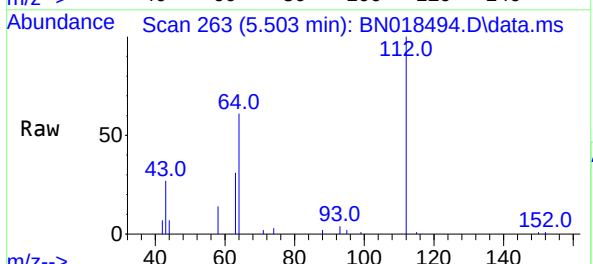
Manual Integrations

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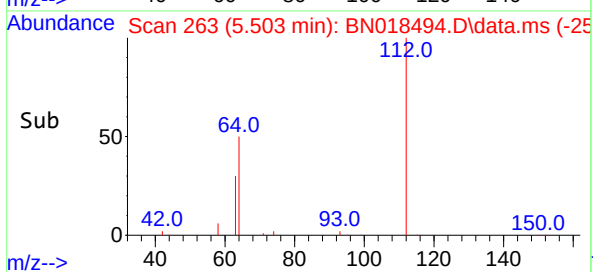
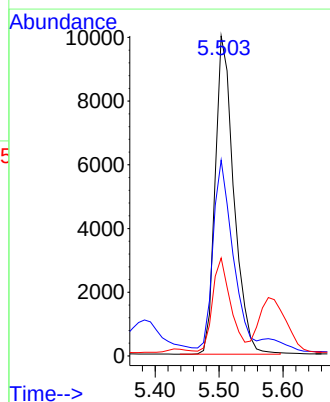
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

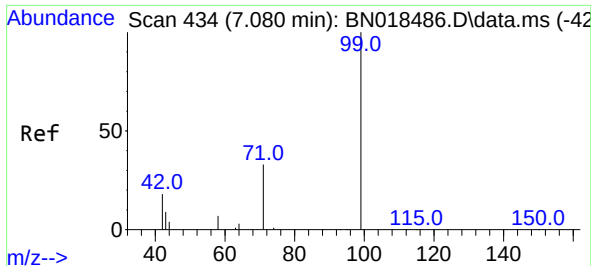


#4
 2-Fluorophenol
 Concen: 0.267 ng
 RT: 5.503 min Scan# 263
 Delta R.T. 0.019 min
 Lab File: BN018494.D
 Acq: 27 Jan 2022 18:36



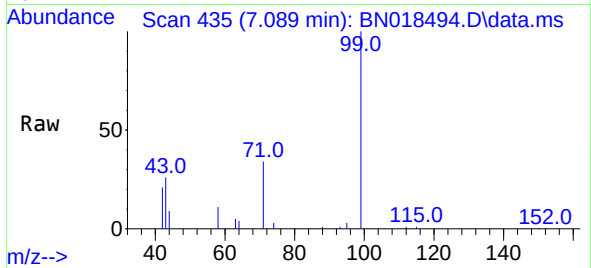
Tgt Ion:112 Resp: 20220
 Ion Ratio Lower Upper
 112 100
 64 61.7 48.0 72.0
 63 28.0 25.3 37.9





#5
Phenol-d6
Concen: 0.274 ng
RT: 7.089 min Scan# 41
Delta R.T. 0.010 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

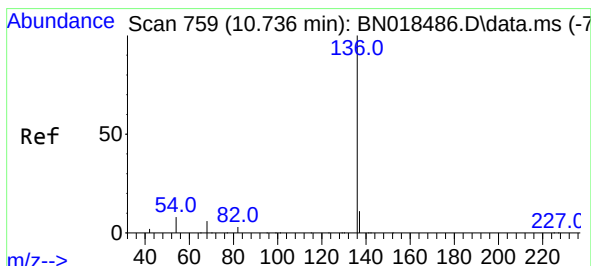
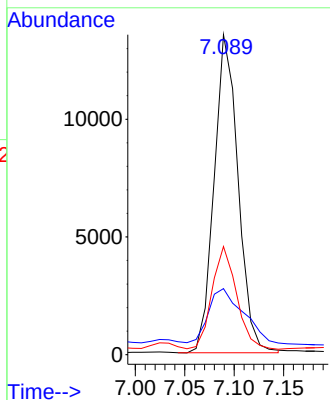
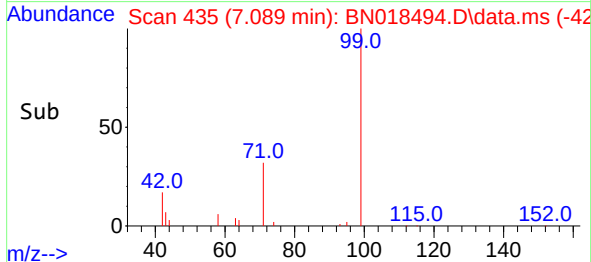
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



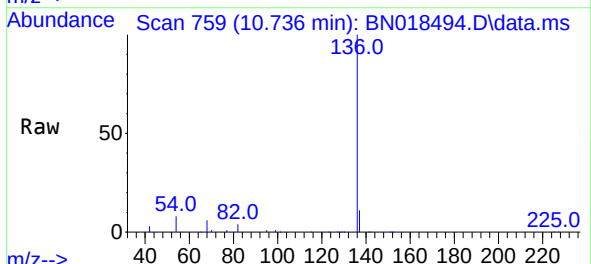
Tgt Ion: 99 Resp: 2278
Ion Ratio Lower Upper
99 100
42 24.5 16.3 24.5
71 33.0 26.8 40.2

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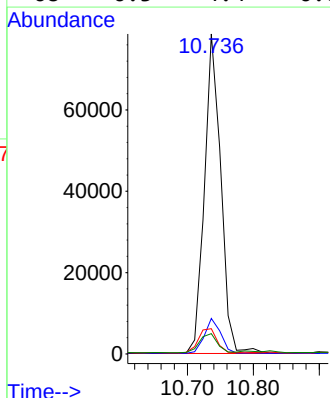
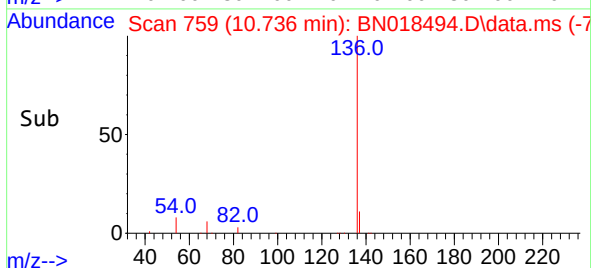
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

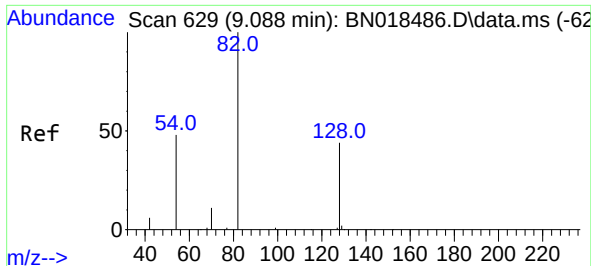


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 759
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



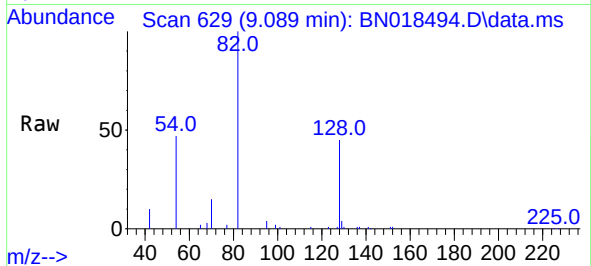
Tgt Ion:136 Resp: 135804
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 5.0 7.6#
68 6.3 4.4 6.6





#8
Nitrobenzene-d5
Concen: 0.276 ng
RT: 9.089 min Scan# 612
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

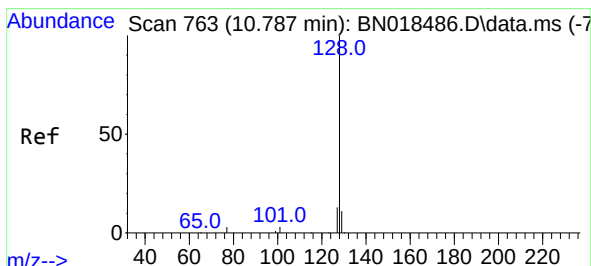
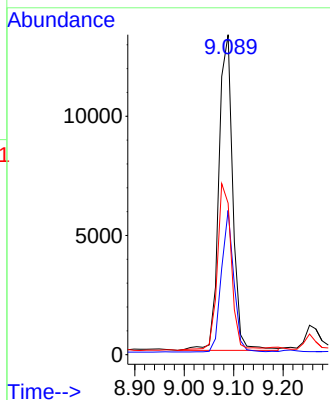
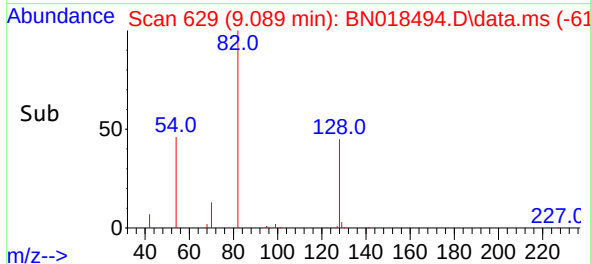
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



Tgt Ion: 82 Resp: 2586
Ion Ratio Lower Upper
82 100
128 45.1 33.7 50.5
54 47.3 36.6 55.0

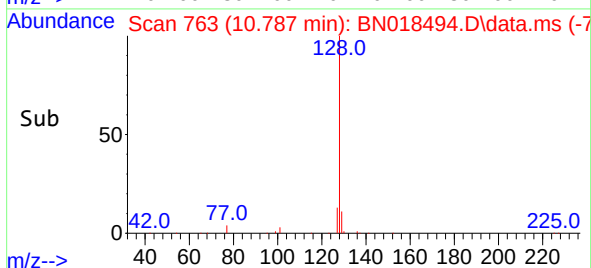
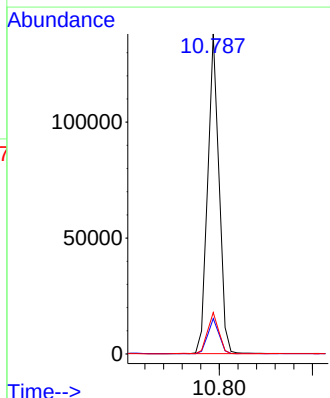
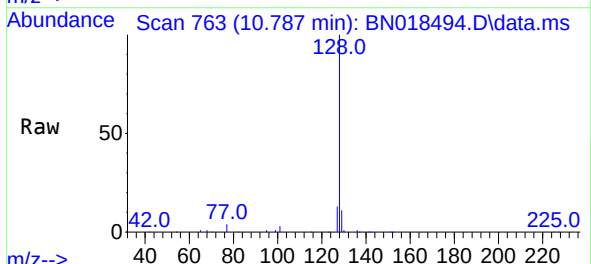
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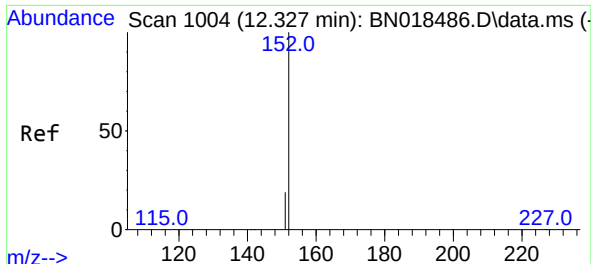
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#9
Naphthalene
Concen: 0.659 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

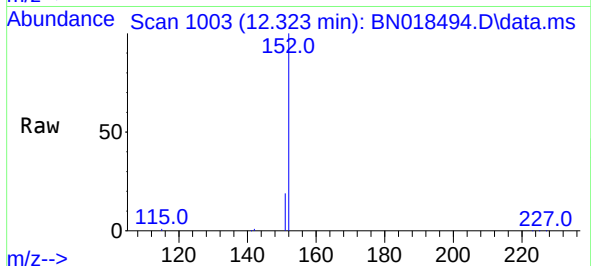
Tgt Ion:128 Resp: 234293
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.245 ng
RT: 12.323 min Scan# 1019
Delta R.T. -0.004 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

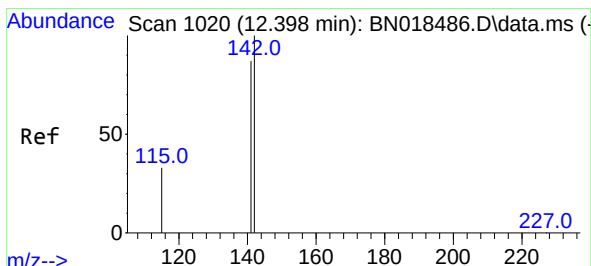
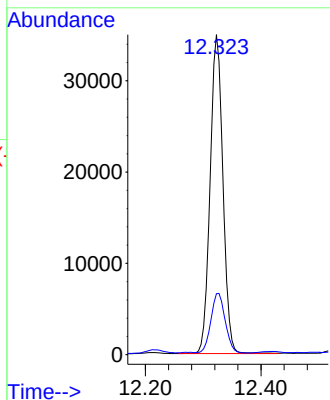
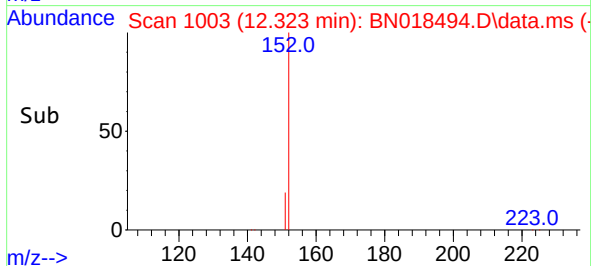
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



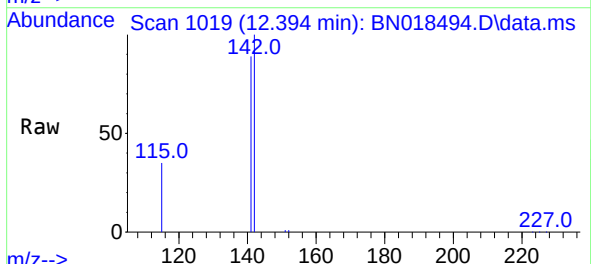
Tgt Ion:152 Resp: 53779
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2

Manual Integrations
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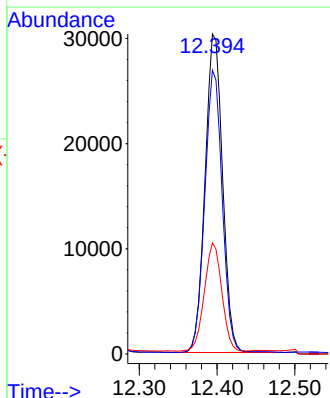
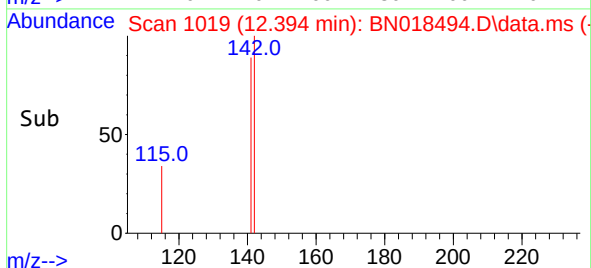
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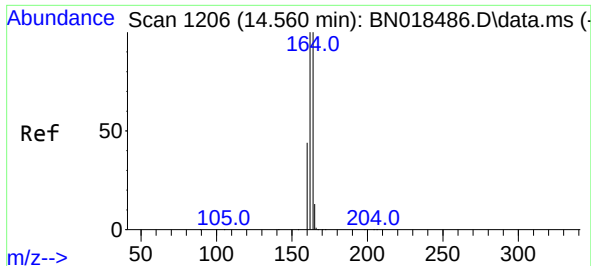


#12
2-Methylnaphthalene
Concen: 0.198 ng
RT: 12.394 min Scan# 1019
Delta R.T. -0.004 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



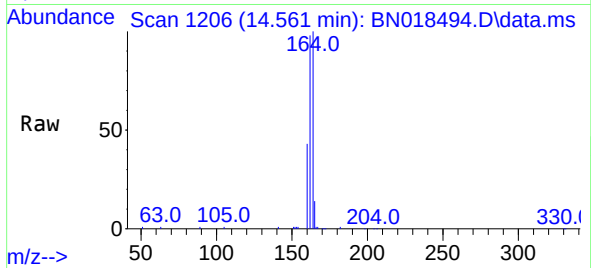
Tgt Ion:142 Resp: 47344
Ion Ratio Lower Upper
142 100
141 88.7 70.0 105.0
115 34.7 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.561 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

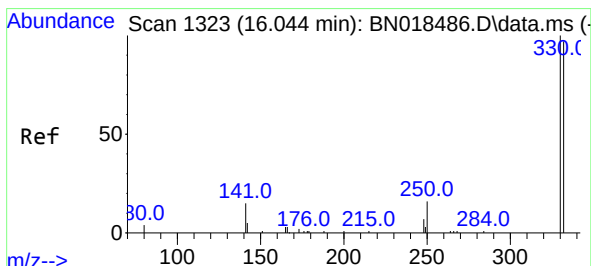
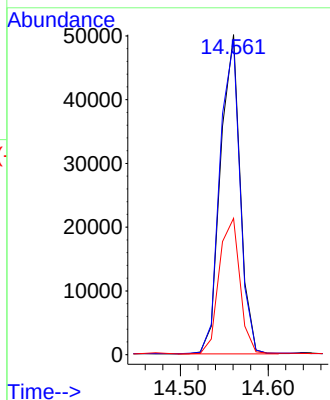
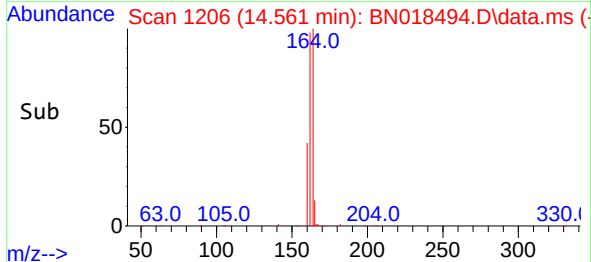
Instrument :
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ClientSampleId :
SB-5(3.5-4)



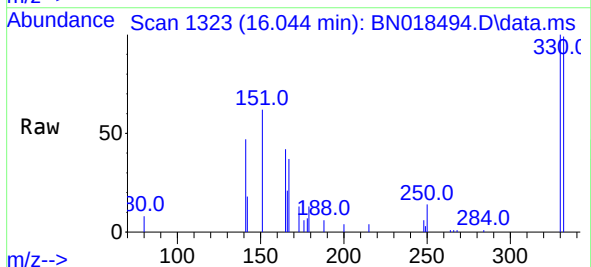
Tgt Ion:164 Resp: 7806
Ion Ratio Lower Upper
164 100
162 98.0 80.2 120.2
160 42.6 36.9 55.3

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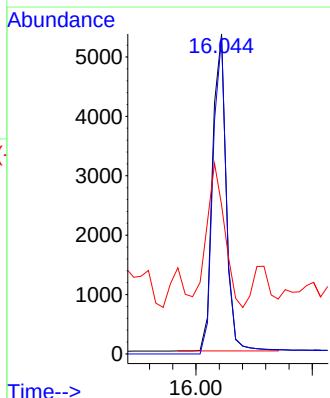
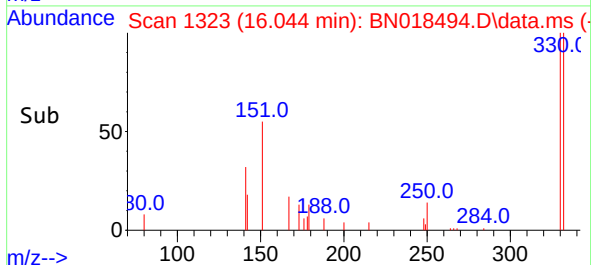
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

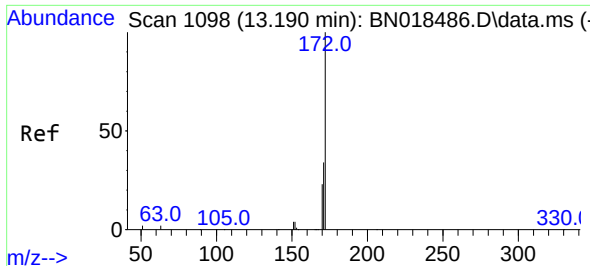


#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 16.044 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



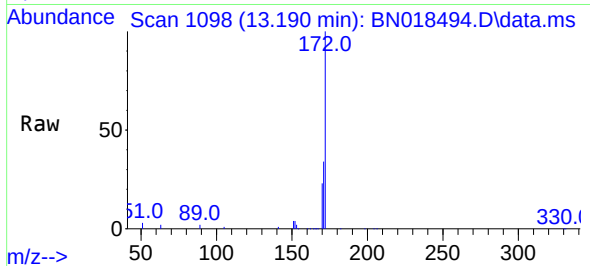
Tgt Ion:330 Resp: 8798
Ion Ratio Lower Upper
330 100
332 100.3 0.0 0.0#
141 58.9 21.3 31.9#





#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 13.190 min Scan# 1098
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

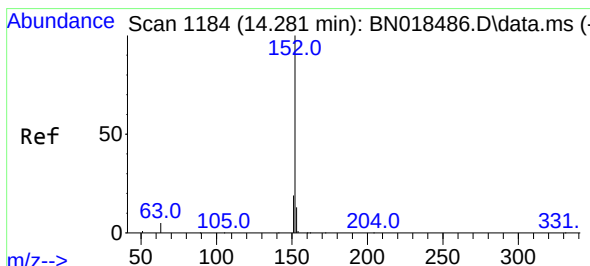
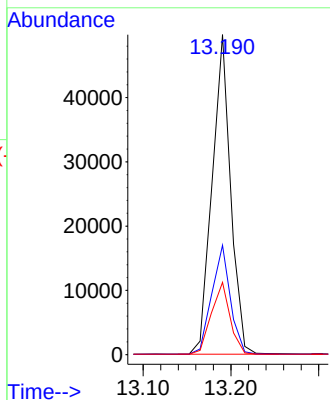
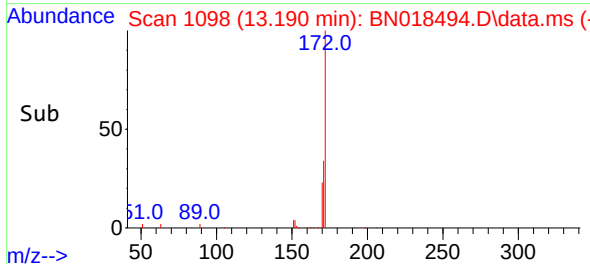
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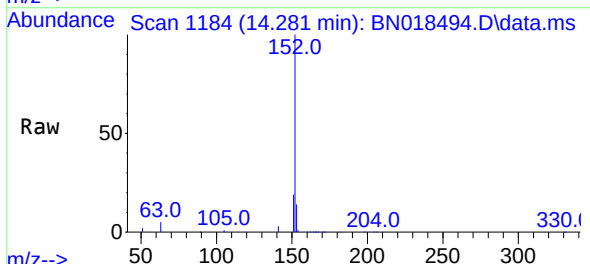
Tgt Ion:172 Resp: 72785
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 22.6 18.4 27.6

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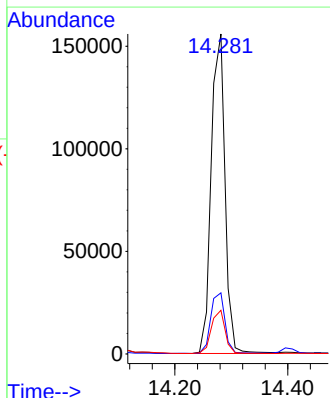
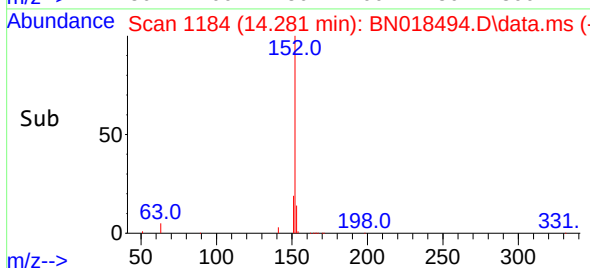
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

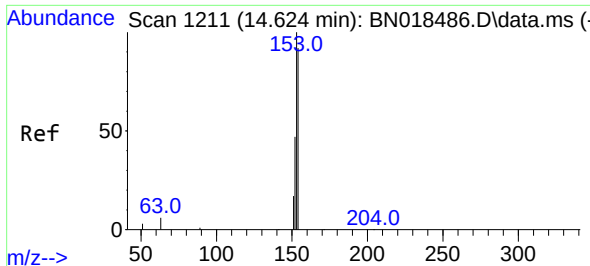


#16
Acenaphthylene
Concen: 0.805 ng
RT: 14.281 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



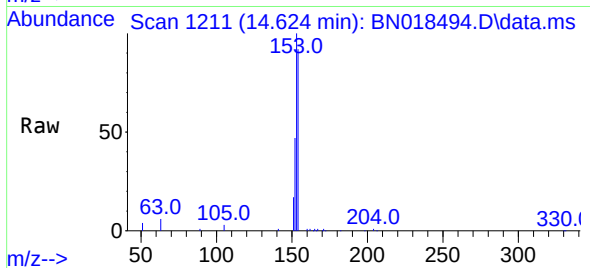
Tgt Ion:152 Resp: 264516
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.5 10.5 15.7





#17
Acenaphthene
Concen: 0.268 ng
RT: 14.624 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

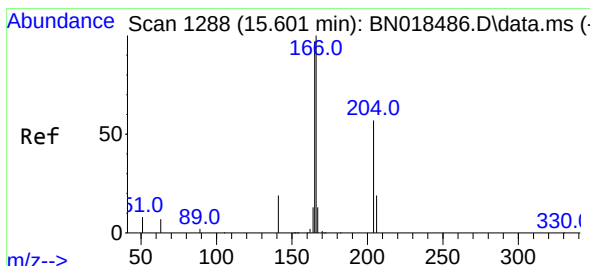
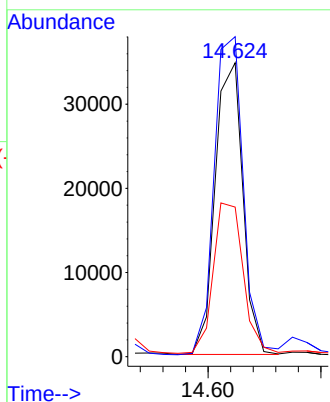
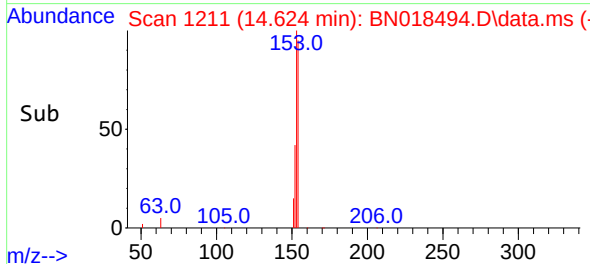
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SB-5(3.5-4)



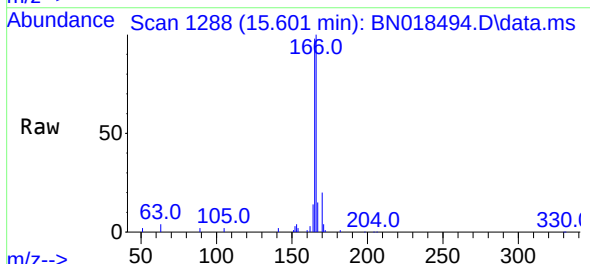
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Ion Ratio Lower Upper
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153 114.9 90.9 136.3
152 57.1 45.0 67.4

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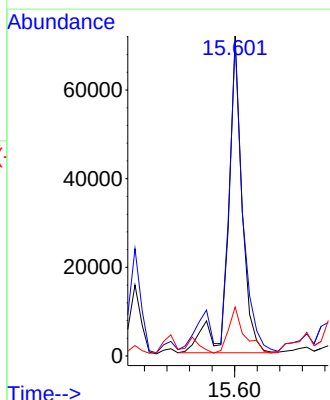
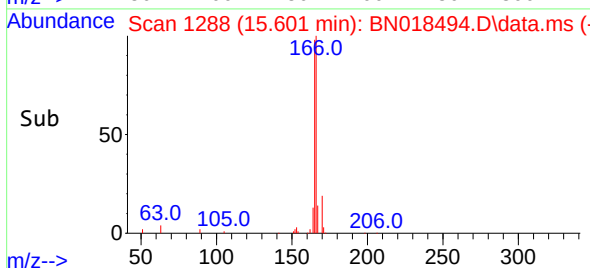
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

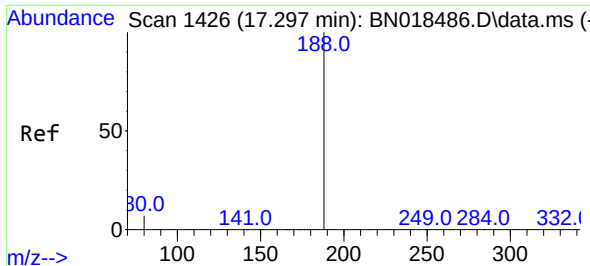


#18
Fluorene
Concen: 0.454 ng
RT: 15.601 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



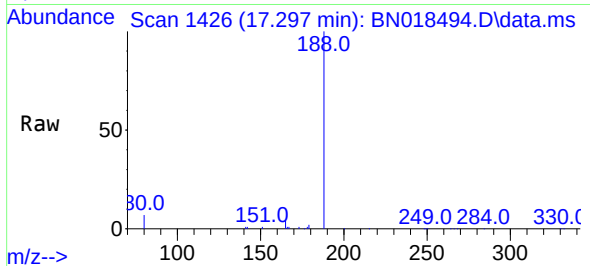
Tgt Ion:166 Resp: 122358
Ion Ratio Lower Upper
166 100
165 94.5 77.8 116.6
167 16.4 10.9 16.3#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

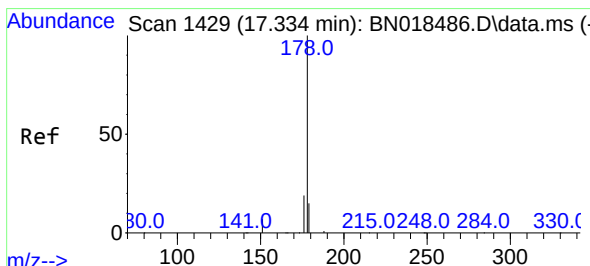
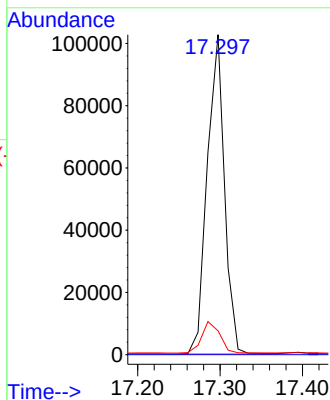
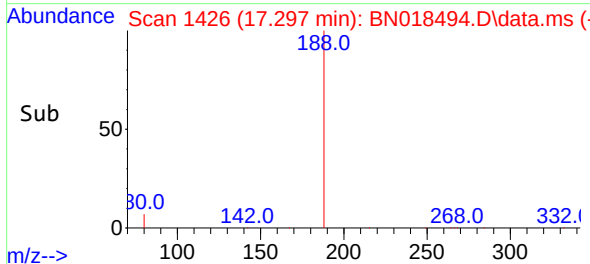
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



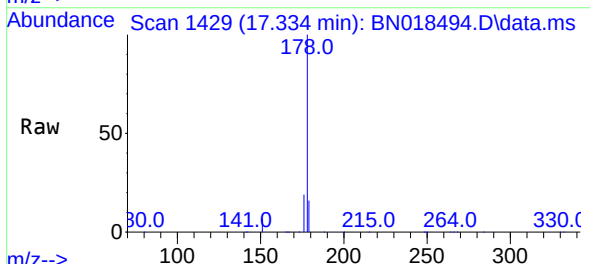
Tgt Ion:188 Resp: 149360
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 7.0 10.4

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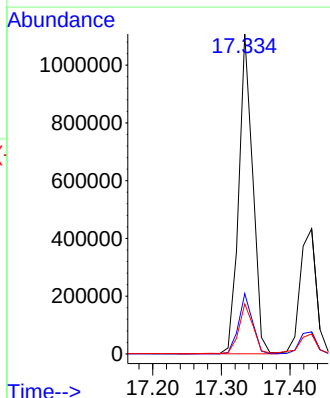
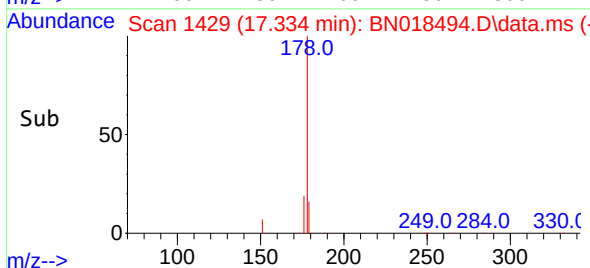
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

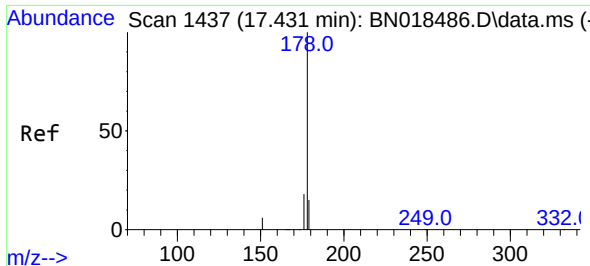


#25
Phenanthrene
Concen: 3.591 ng
RT: 17.334 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



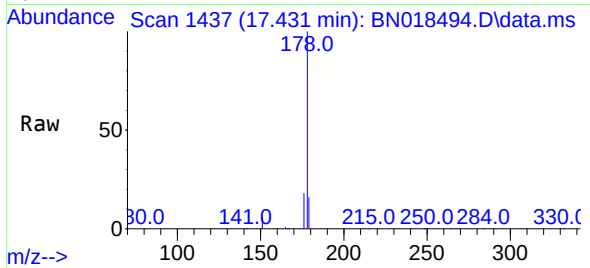
Tgt Ion:178 Resp: 1568885
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.9 12.3 18.5





#26
 Anthracene
 Concen: 1.863 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BN018494.D
 Acq: 27 Jan 2022 18:36

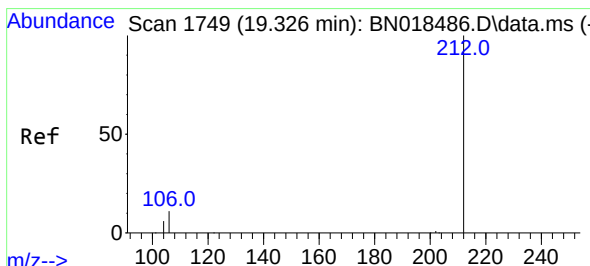
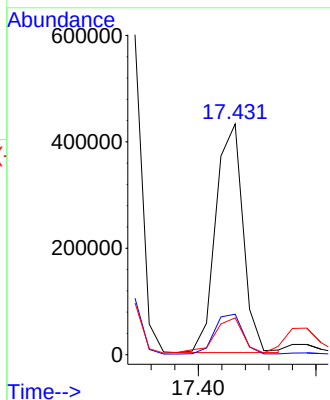
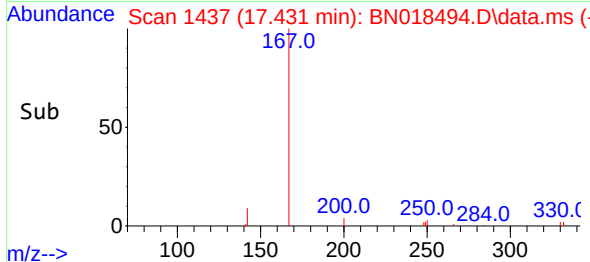
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)



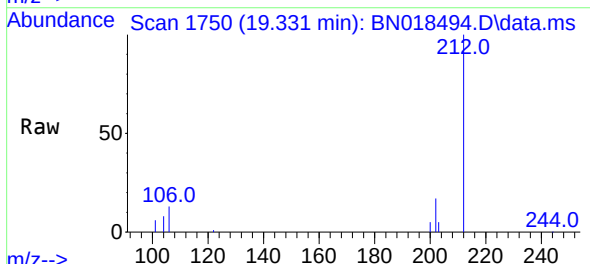
Tgt Ion:178 Resp: 691111
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.8 12.2 18.4

Manual Integrations
 APPROVED

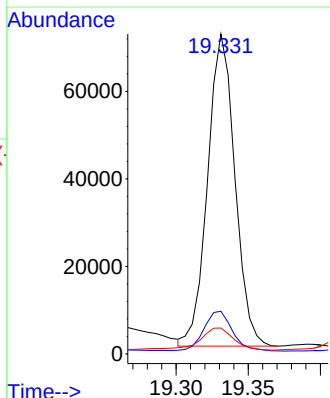
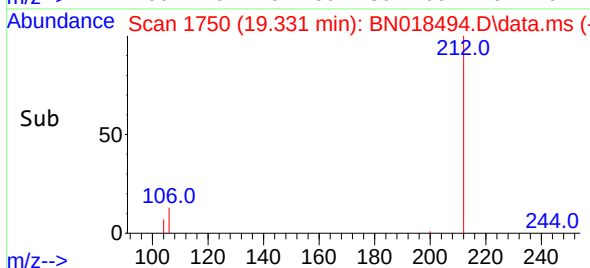
Reviewed By :Jagrut Upadhyay 01/31/2022
 Supervised By :mohammad ahmed 02/01/2022

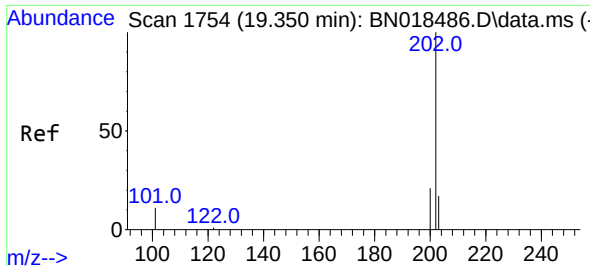


#27
 Fluoranthene-d10
 Concen: 0.213 ng
 RT: 19.331 min Scan# 1750
 Delta R.T. 0.005 min
 Lab File: BN018494.D
 Acq: 27 Jan 2022 18:36



Tgt Ion:212 Resp: 93832
 Ion Ratio Lower Upper
 212 100
 106 13.4 8.4 12.6#
 104 9.1 4.5 6.7#





#28
Fluoranthene
Concen: 9.469 ng
RT: 19.361 min Scan# 11
Delta R.T. 0.010 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

Instrument :

BNA_N

ClientSampleId :

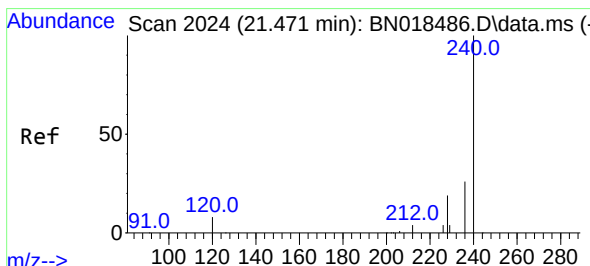
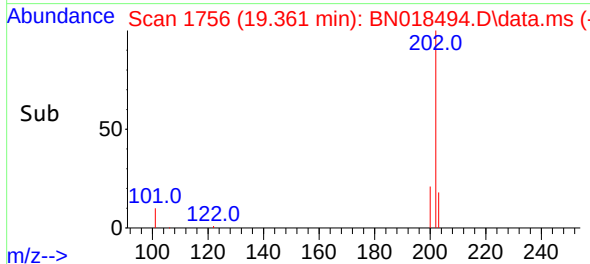
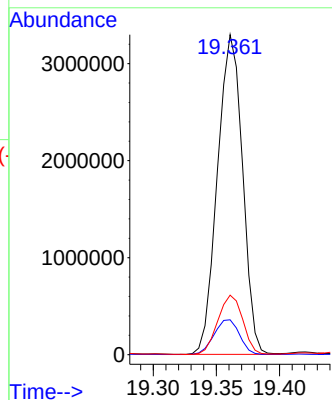
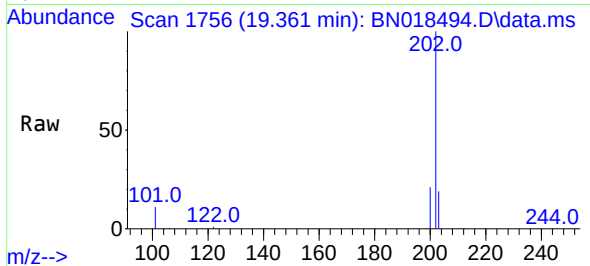
SB-5(3.5-4)

Tgt Ion:202 Resp: 455906
Ion Ratio Lower Upper
202 100
101 11.1 7.2 10.8
203 18.4 13.7 20.5

Manual Integrations

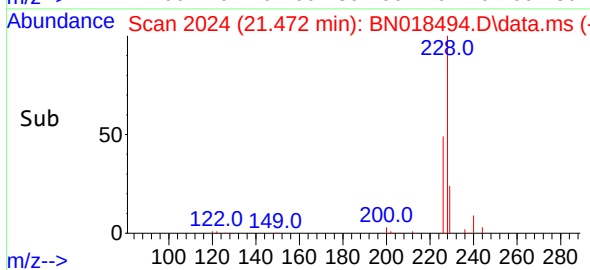
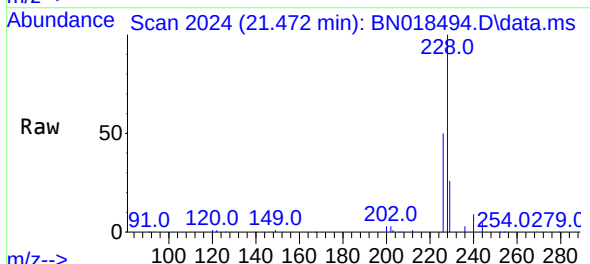
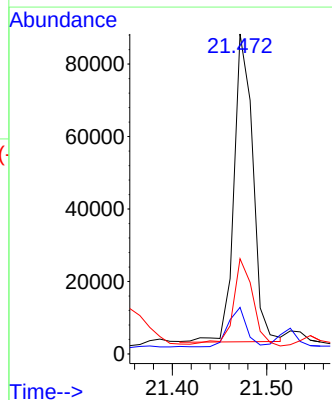
APPROVED

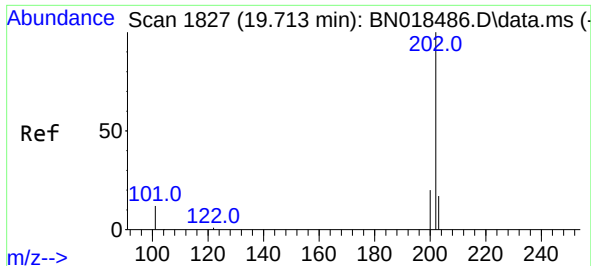
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

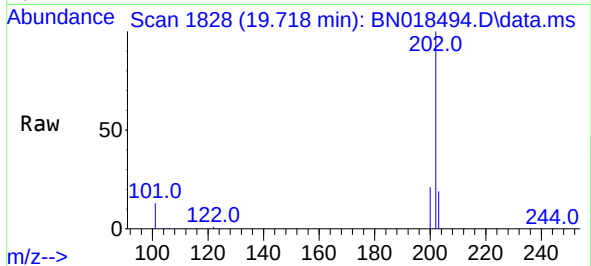
Tgt Ion:240 Resp: 117995
Ion Ratio Lower Upper
240 100
120 14.6 6.0 9.0#
236 29.8 21.4 32.2





#30
Pyrene
Concen: 10.392 ng
RT: 19.718 min Scan# 1827
Delta R.T. 0.005 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

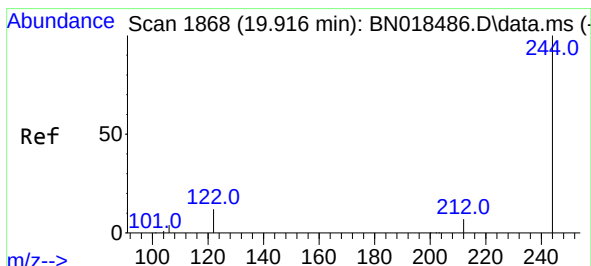
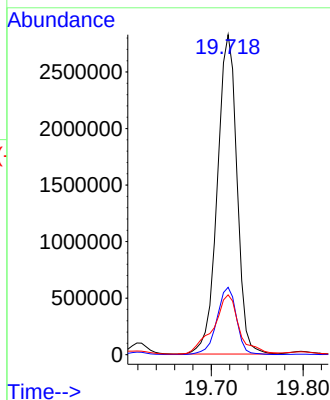
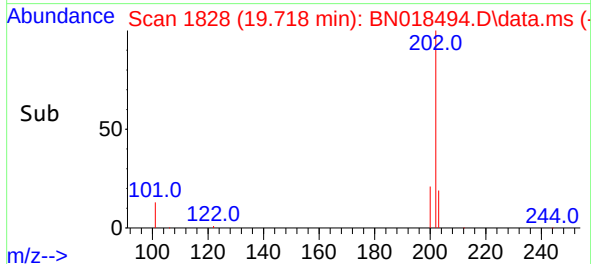
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



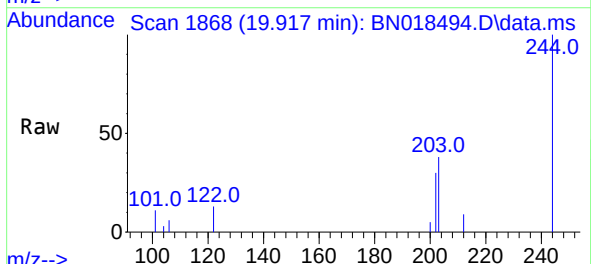
Tgt Ion:202 Resp: 4200280
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 24.2 14.1 21.1

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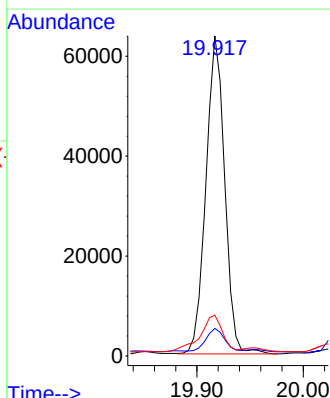
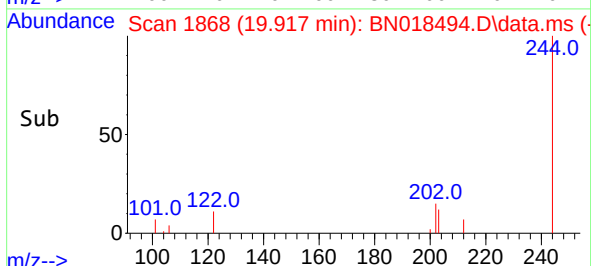
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

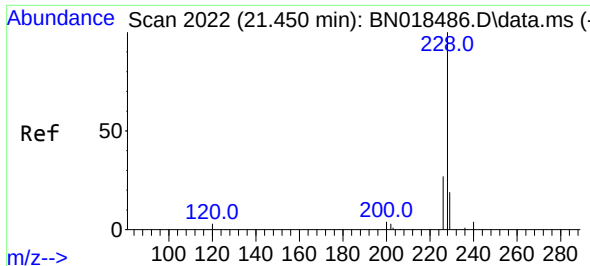


#31
Terphenyl-d14
Concen: 0.260 ng
RT: 19.917 min Scan# 1868
Delta R.T. 0.000 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



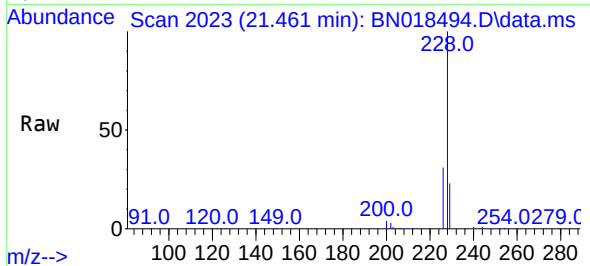
Tgt Ion:244 Resp: 78063
Ion Ratio Lower Upper
244 100
212 8.6 6.2 9.2
122 12.8 7.9 11.9





#32
Benzo(a)anthracene
Concen: 10.827 ng
RT: 21.461 min Scan# 2023
Delta R.T. 0.011 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

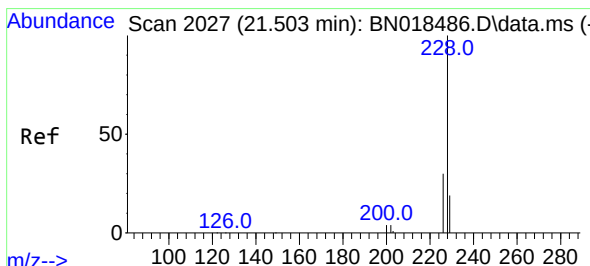
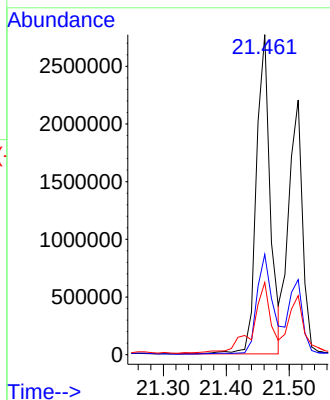
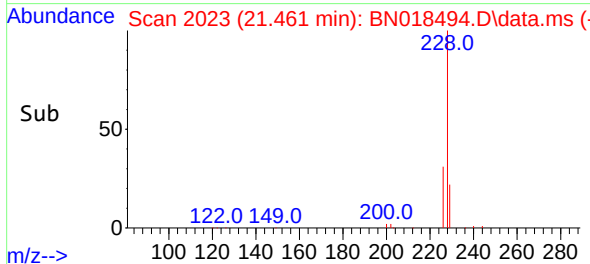
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



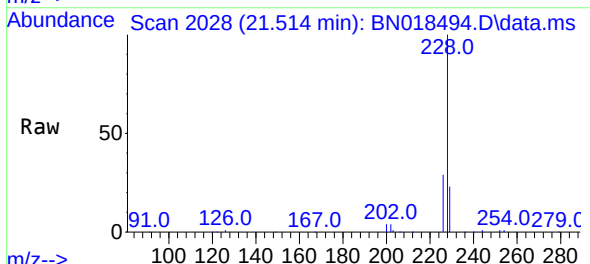
Tgt Ion:228 Resp: 424551
Ion Ratio Lower Upper
228 100
226 31.3 21.3 31.9
229 22.6 15.9 23.9

Manual Integrations
APPROVED

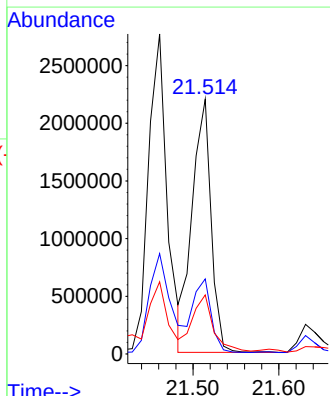
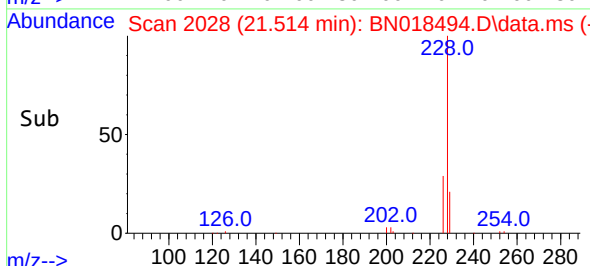
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

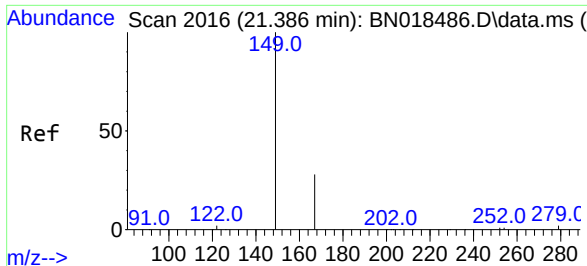


#33
Chrysene
Concen: 8.431 ng
RT: 21.514 min Scan# 2028
Delta R.T. 0.011 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



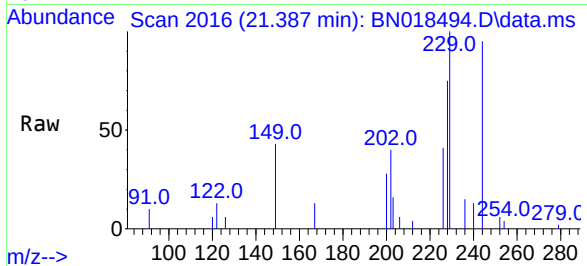
Tgt Ion:228 Resp: 3350659
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 23.2 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.098 ng
RT: 21.387 min Scan# 2016
Delta R.T. 0.001 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

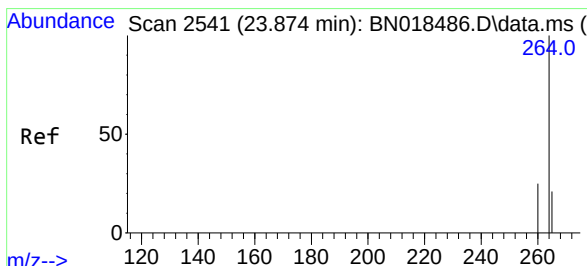
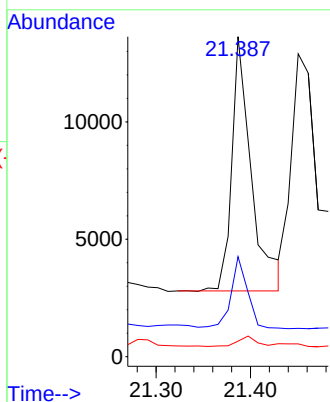
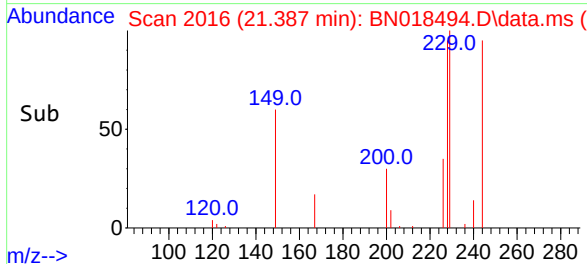
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



Tgt Ion:149 Resp: 15584
Ion Ratio Lower Upper
149 100
167 24.2 23.7 35.5
279 3.7 3.6 5.4

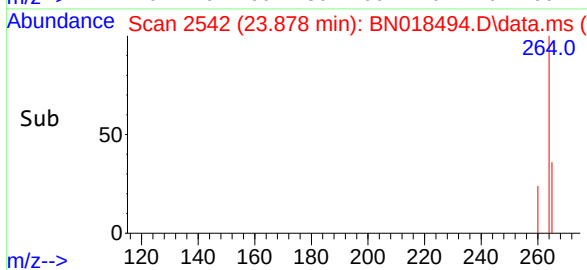
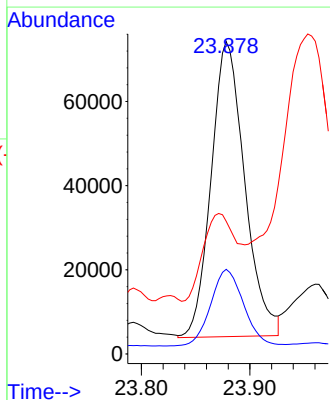
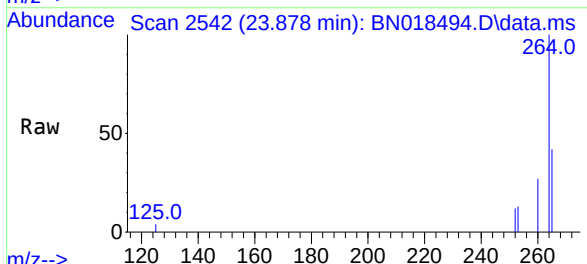
Manual Integrations
APPROVED

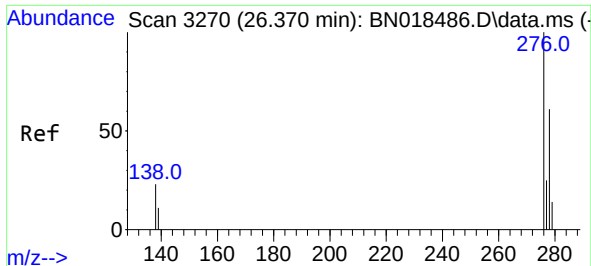
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.878 min Scan# 2542
Delta R.T. 0.004 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

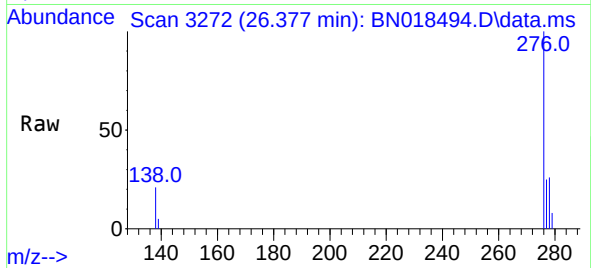
Tgt Ion:264 Resp: 150834
Ion Ratio Lower Upper
264 100
260 27.1 20.2 30.4
265 42.5 18.2 27.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 4.167 ng
RT: 26.377 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

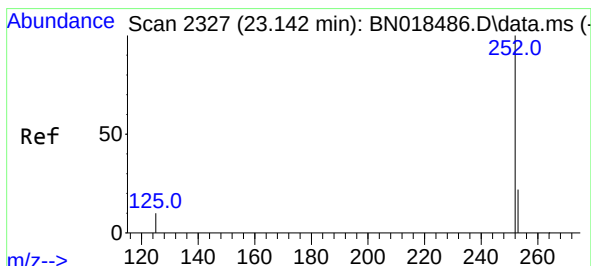
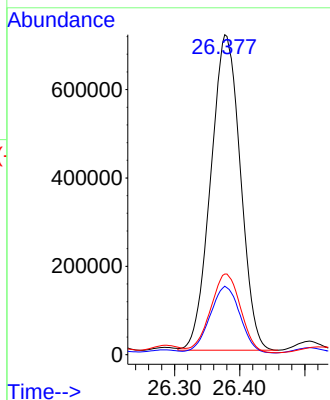
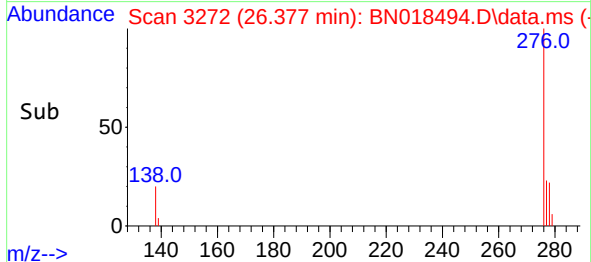
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



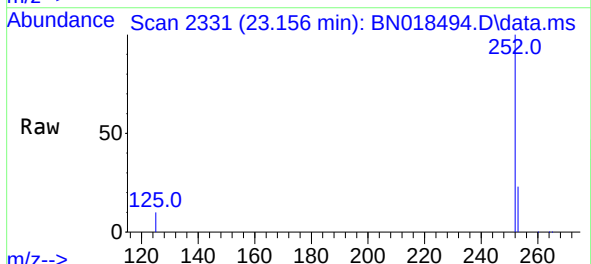
Tgt Ion:276 Resp: 2260279
Ion Ratio Lower Upper
276 100
138 21.4 14.9 22.3
277 25.4 19.9 29.9

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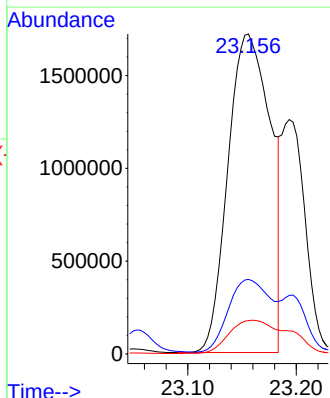
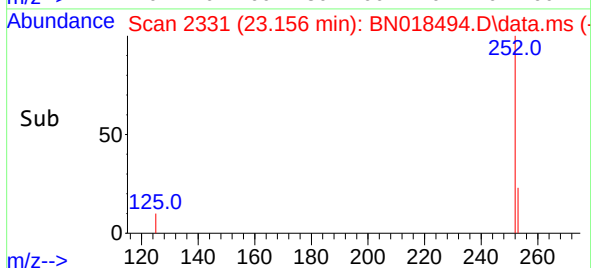
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

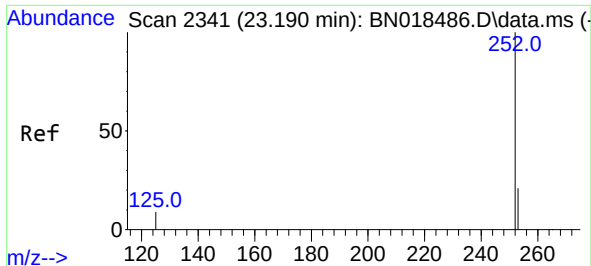


#37
Benzo(b)fluoranthene
Concen: 9.014 ng
RT: 23.156 min Scan# 2331
Delta R.T. 0.014 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



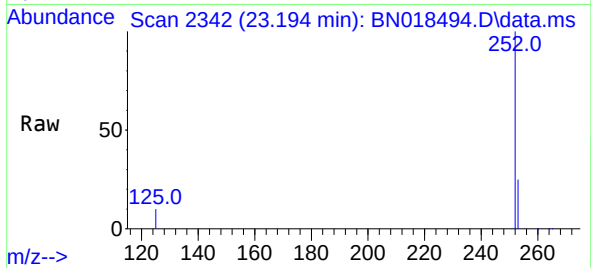
Tgt Ion:252 Resp: 4681046
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.4 6.0 9.0#





#38
Benzo(k)fluoranthene
Concen: 3.714 ng m
RT: 23.194 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

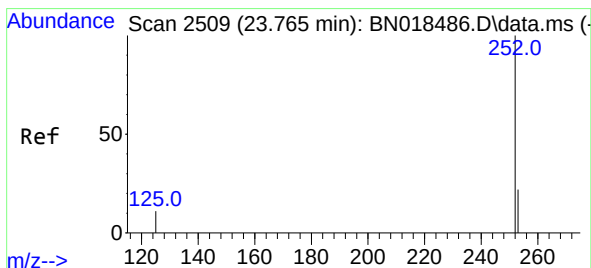
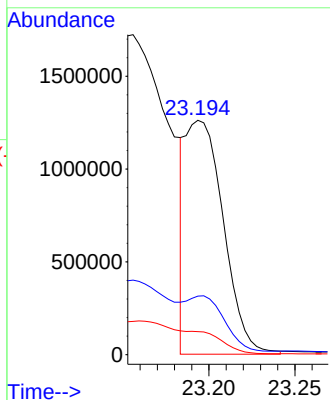
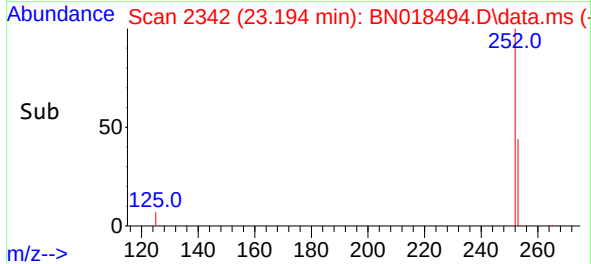
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



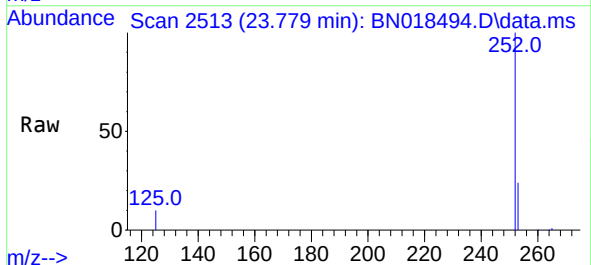
Tgt Ion:252 Resp: 1927507
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 9.8 6.2 9.2

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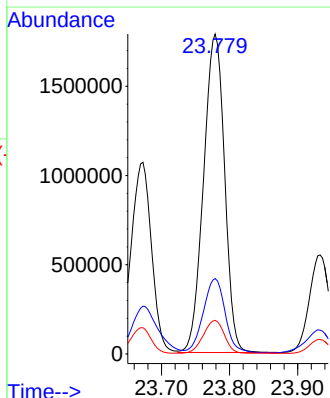
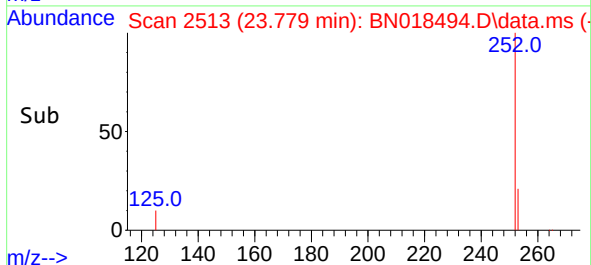
Reviewed By :Jagrut Upadhyay 01/31/2022
Supervised By :mohammad ahmed 02/01/2022

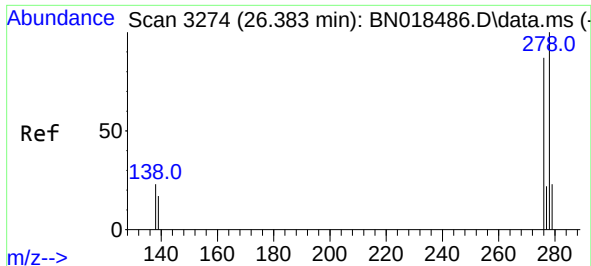


#39
Benzo(a)pyrene
Concen: 9.199 ng
RT: 23.779 min Scan# 2513
Delta R.T. 0.014 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



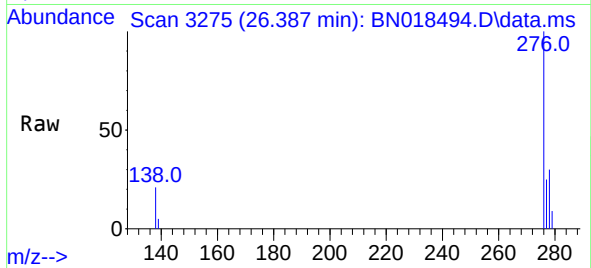
Tgt Ion:252 Resp: 3822208
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 10.5 7.0 10.4





#40
Dibenzo(a,h)anthracene
Concen: 1.661 ng
RT: 26.387 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36

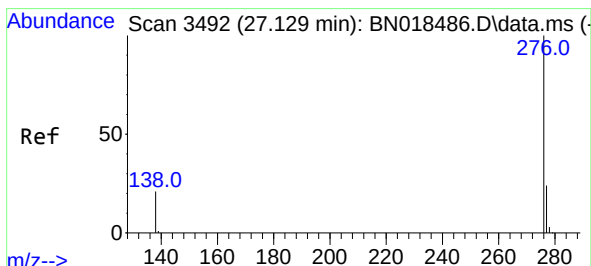
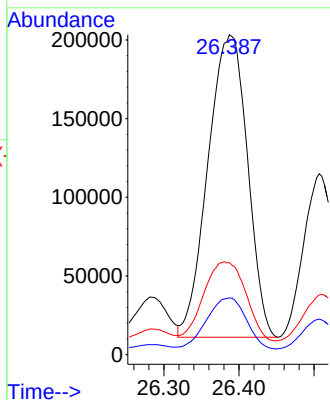
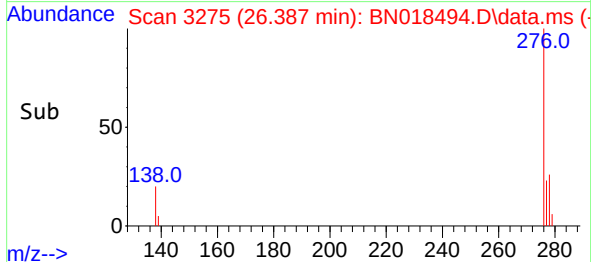
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)



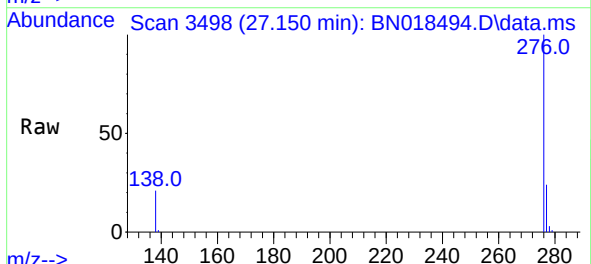
Tgt Ion:278 Resp: 702372
Ion Ratio Lower Upper
278 100
139 17.7 10.8 16.2
279 28.7 19.0 28.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 3.926 ng
RT: 27.150 min Scan# 3498
Delta R.T. 0.021 min
Lab File: BN018494.D
Acq: 27 Jan 2022 18:36



Tgt Ion:276 Resp: 1853034
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.6
138 21.1 12.6 19.0

