

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041823\
 Data File : BN024973.D
 Acq On : 18 Apr 2023 11:57
 Operator : CG/JU
 Sample : 02357-02DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P2-S2-230413DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/19/2023
 Supervised By :Jagrut Upadhyay 04/19/2023

Quant Time: Apr 18 12:25:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN040523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 05:29:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.933	152	10561	0.400	ng	0.00
7) Naphthalene-d8	10.739	136	32991	0.400	ng	#-0.01
13) Acenaphthene-d10	14.577	164	17379	0.400	ng	0.00
19) Phenanthrene-d10	17.323	188	40306	0.400	ng	# 0.00
29) Chrysene-d12	21.527	240	38106	0.400	ng	# 0.00
35) Perylene-d12	23.980	264	36358	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.484	112	1563	0.064	ng	0.00
5) Phenol-d6	7.095	99	1894	0.062	ng	0.00
8) Nitrobenzene-d5	9.095	82	1384	0.052	ng	-0.01
11) 2-Methylnaphthalene-d10	12.332	152	2378	0.054	ng	0.00
14) 2,4,6-Tribromophenol	16.070	330	483	0.062	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	3682	0.055	ng	-0.01
27) Fluoranthene-d10	19.355	212	5112	0.056	ng	0.00
31) Terphenyl-d14	19.954	244	4552	0.053	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.793	128	17604	0.207	ng	99
12) 2-Methylnaphthalene	12.404	142	5902	0.100	ng	96
16) Acenaphthylene	14.299	152	22313	0.305	ng	99
17) Acenaphthene	14.641	154	4858	0.098	ng	98
18) Fluorene	15.624	166	16032	0.236	ng	98
25) Phenanthrene	17.361	178	216506	1.850	ng	100
26) Anthracene	17.460	178	66716	0.654	ng	99
28) Fluoranthene	19.384	202	373694	2.813	ng	99
30) Pyrene	19.751	202	303786	2.243	ng	97
32) Benzo(a)anthracene	21.509	228	174091	1.351	ng	97
33) Chrysene	21.562	228	148072	1.097	ng	98
34) Bis(2-ethylhexyl)phtha...	21.428	149	36691m	0.530	ng	
36) Indeno(1,2,3-cd)pyrene	26.524	276	69073	0.433	ng	95
37) Benzo(b)fluoranthene	23.232	252	186718	1.354	ng	96
38) Benzo(k)fluoranthene	23.276	252	67665m	0.495	ng	
39) Benzo(a)pyrene	23.869	252	134629m	1.021	ng	
40) Dibenzo(a,h)anthracene	26.535	278	16684	0.133	ng	# 83
41) Benzo(g,h,i)perylene	27.313	276	65532	0.482	ng	100

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

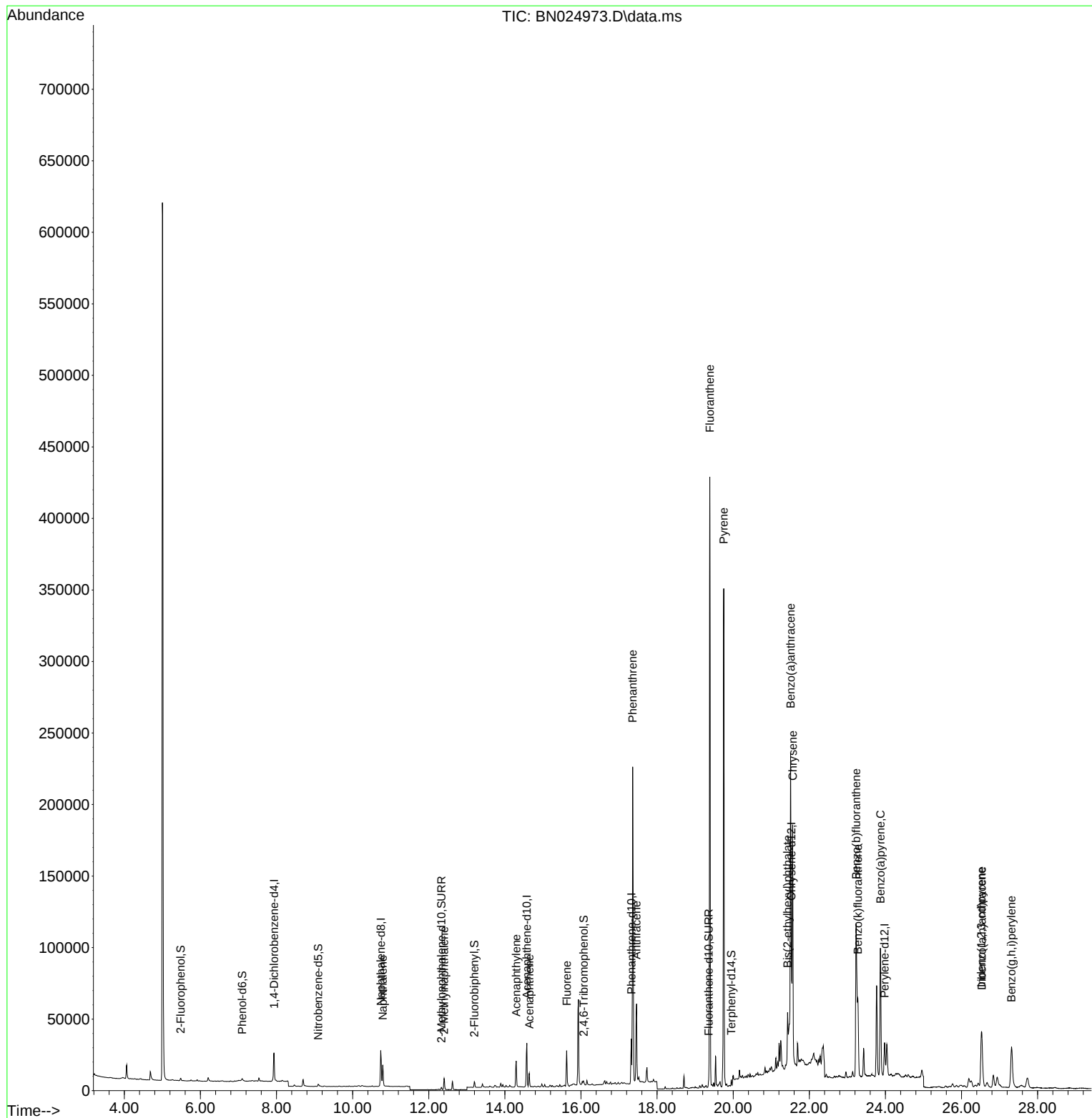
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041823\
Data File : BN024973.D
Acq On : 18 Apr 2023 11:57
Operator : CG/JU
Sample : 02357-02DL 5X
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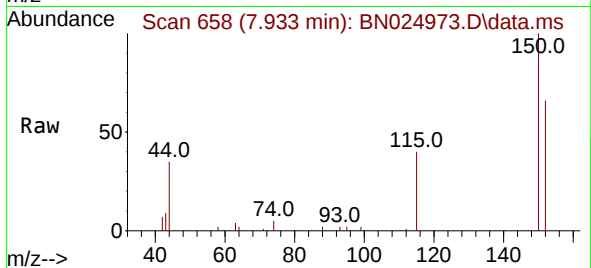
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.933 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Instrument :

BNA_N

ClientSampleId :

P2-S2-230413DL



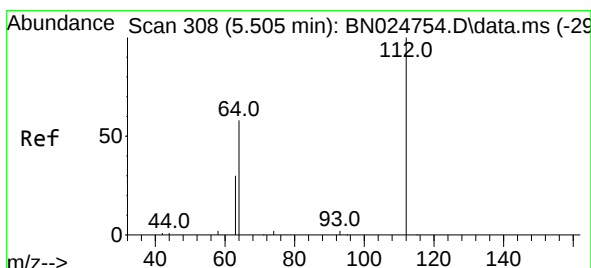
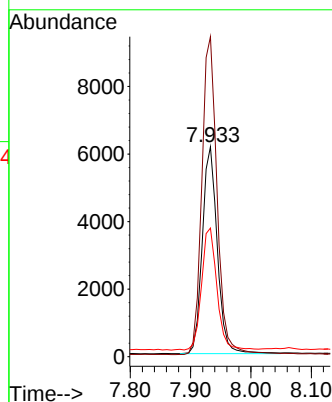
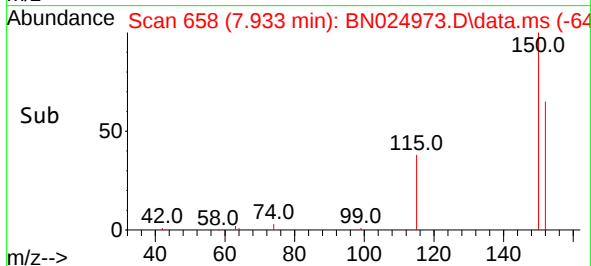
Tgt Ion:152 Resp: 1056
Ion Ratio Lower Upper
152 100
150 152.5 121.8 182.8
115 61.3 48.3 72.5

Manual Integrations

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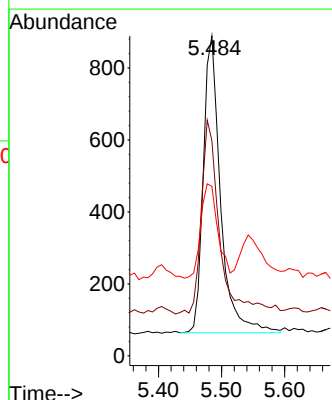
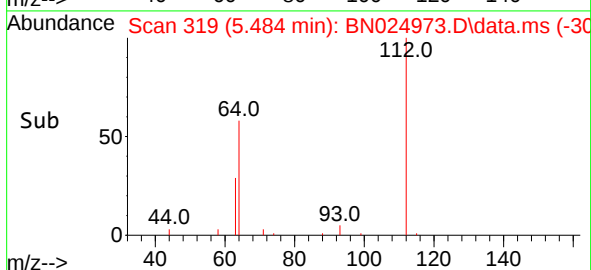
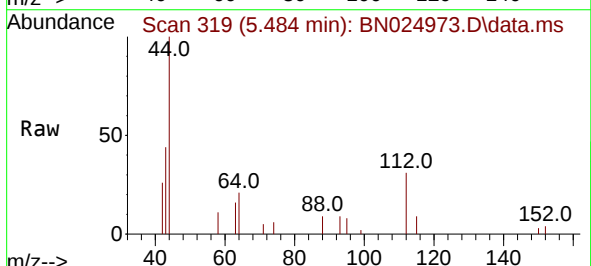
Reviewed By :Yogesh Patel 04/19/2023

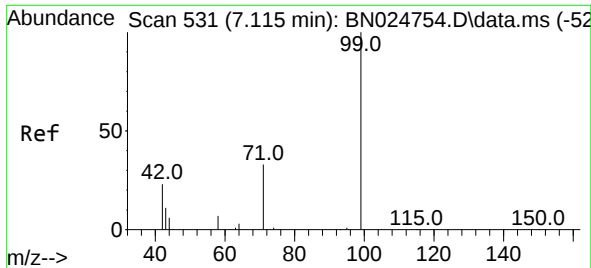
Supervised By :Jagrut Upadhyay 04/19/2023



#4
2-Fluorophenol
Concen: 0.064 ng
RT: 5.484 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

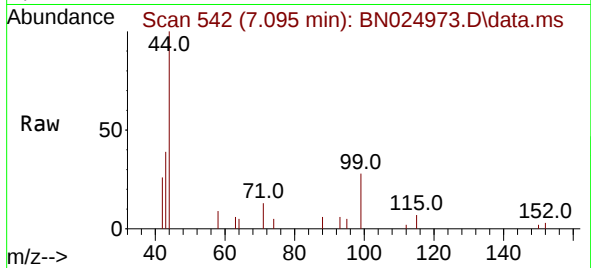
Tgt Ion:112 Resp: 1563
Ion Ratio Lower Upper
112 100
64 70.2 52.5 78.7
63 31.1 27.9 41.9





#5
Phenol-d6
Concen: 0.062 ng
RT: 7.095 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

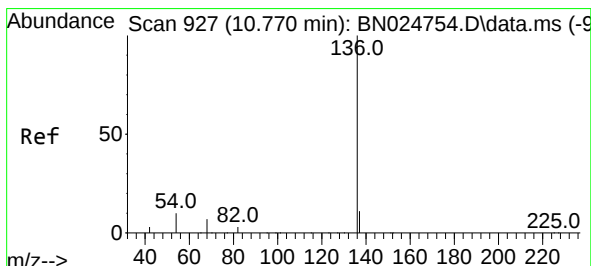
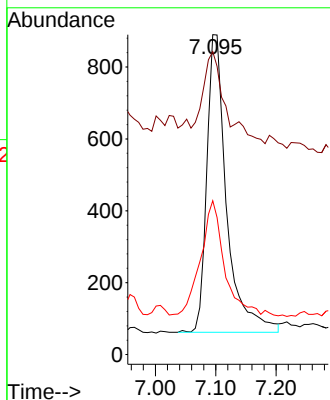
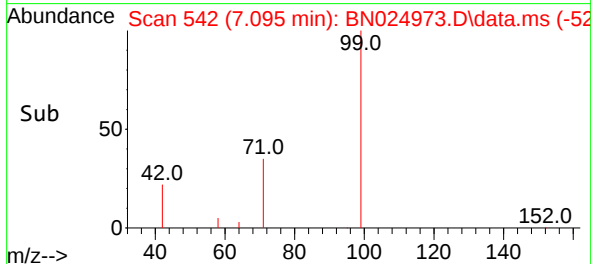
Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL



Tgt Ion: 99 Resp: 1894
Ion Ratio Lower Upper
99 100
42 35.2 22.8 34.2
71 47.7 28.2 42.2

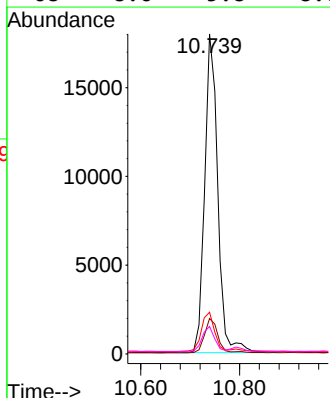
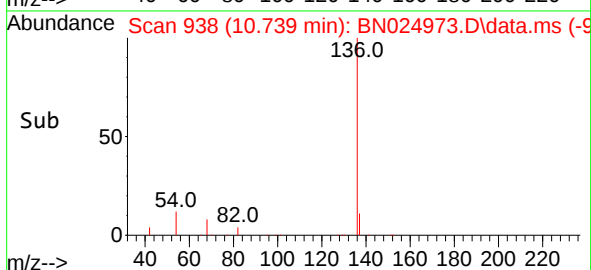
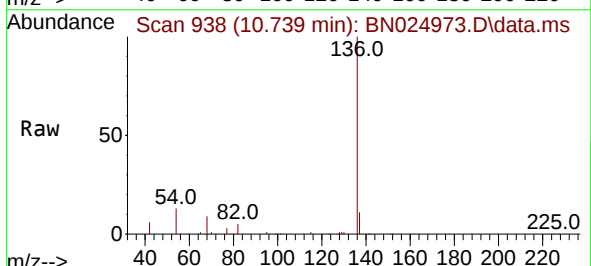
Manual Integrations
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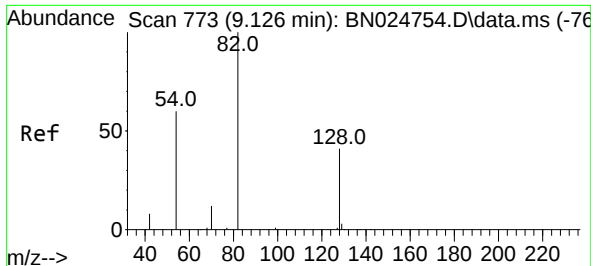
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.739 min Scan# 938
Delta R.T. -0.011 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Tgt Ion:136 Resp: 32991
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 13.1 8.2 12.4
68 8.6 5.8 8.6





#8
Nitrobenzene-d5
Concen: 0.052 ng
RT: 9.095 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Instrument :

BNA_N

ClientSampleId :

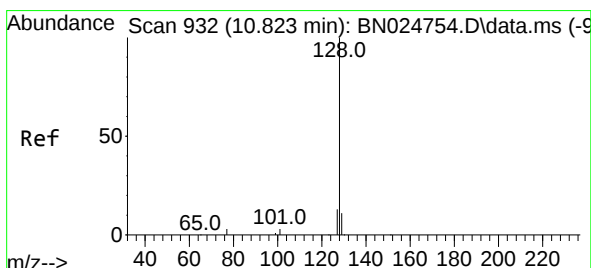
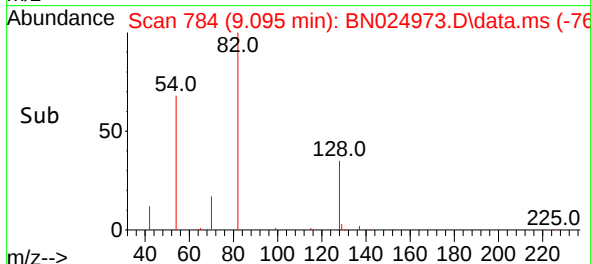
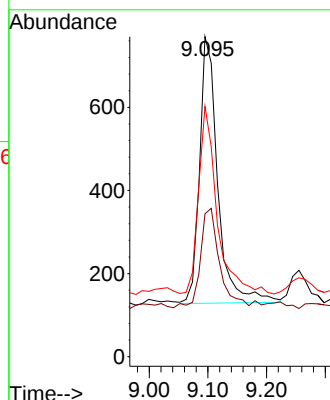
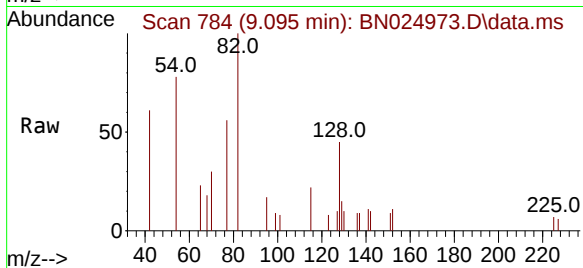
P2-S2-230413DL

Tgt Ion: 82 Resp: 1384
Ion Ratio Lower Upper
82 100
128 44.7 33.8 50.6
54 78.2 49.4 74.0

Manual Integrations

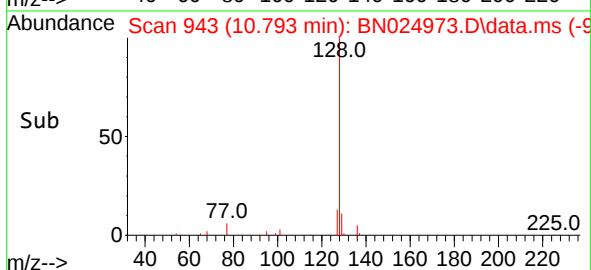
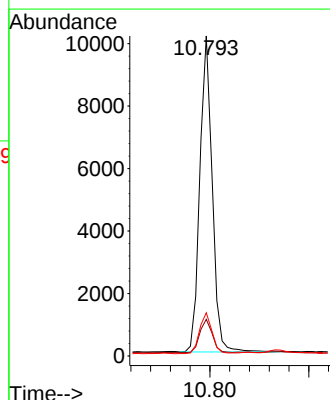
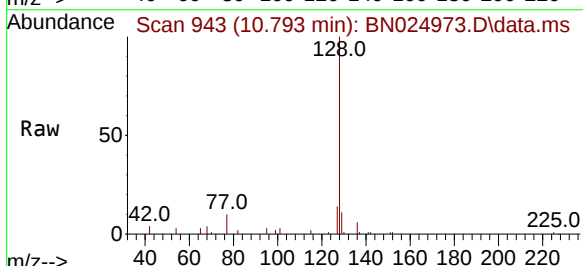
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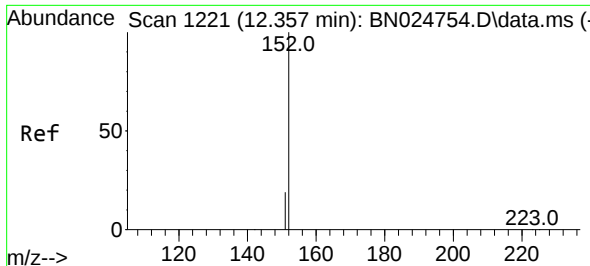
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#9
Naphthalene
Concen: 0.207 ng
RT: 10.793 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

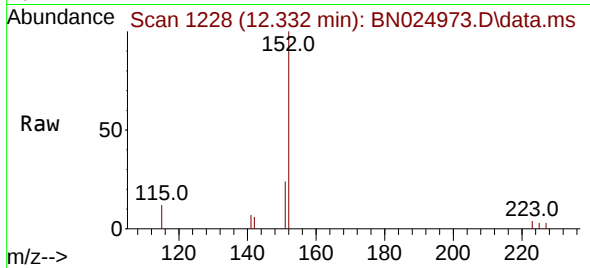
Tgt Ion:128 Resp: 17604
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.5 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.054 ng
RT: 12.332 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

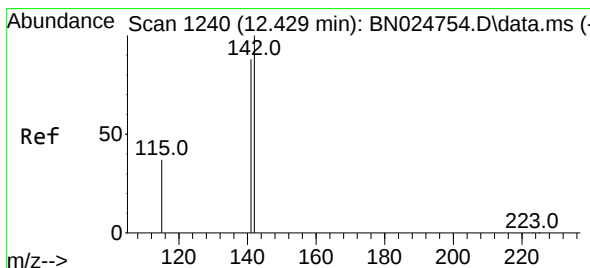
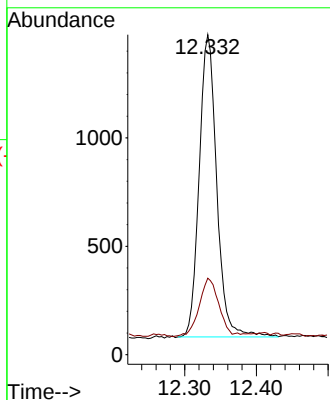
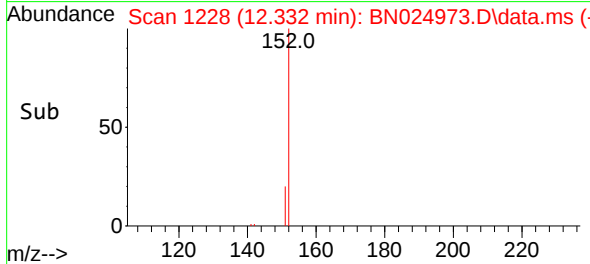
Instrument :
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P2-S2-230413DL



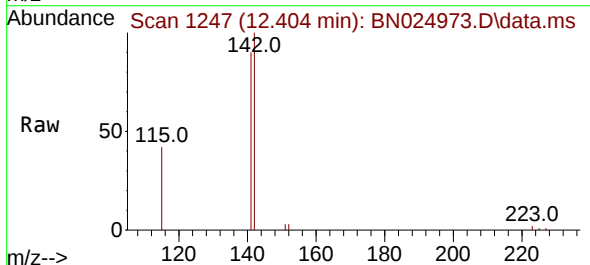
Tgt Ion:152 Resp: 2378
Ion Ratio Lower Upper
152 100
151 21.6 16.6 25.0

Manual Integrations
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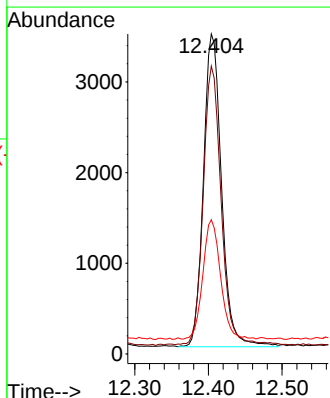
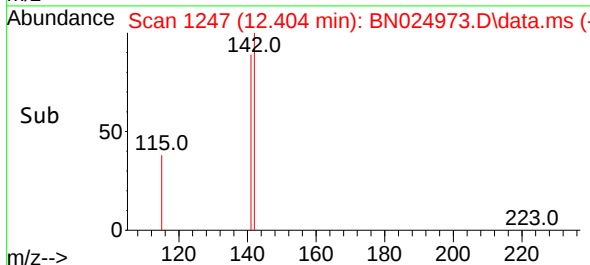
Reviewed By :Yogesh Patel 04/19/2023
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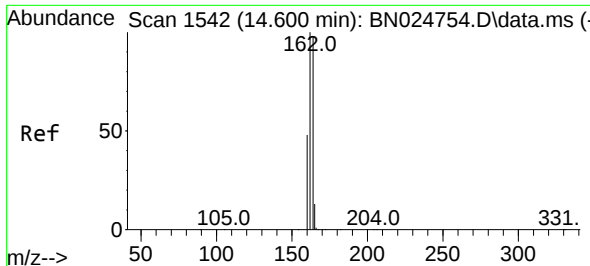


#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 12.404 min Scan# 1247
Delta R.T. -0.004 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



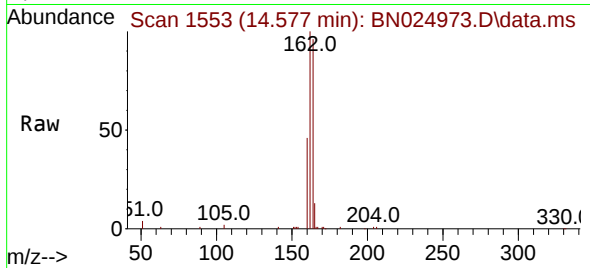
Tgt Ion:142 Resp: 5902
Ion Ratio Lower Upper
142 100
141 90.0 70.5 105.7
115 42.0 30.2 45.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

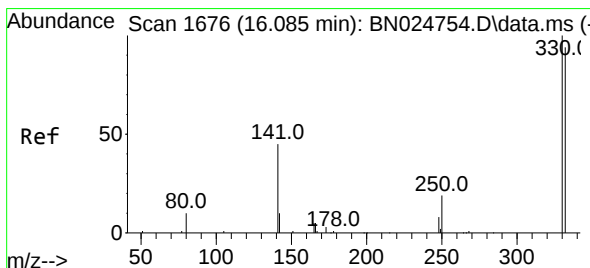
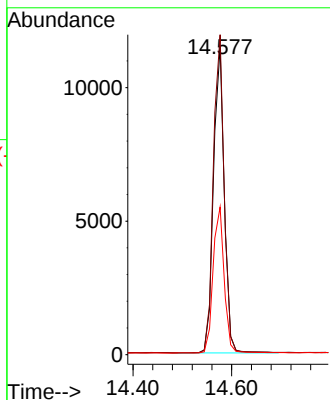
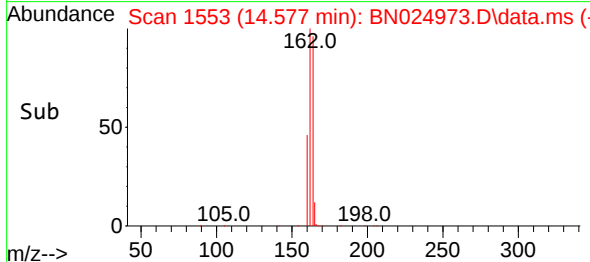
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:164 Resp: 17379
Ion Ratio Lower Upper
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162 104.0 81.9 122.9
160 48.0 39.2 58.8

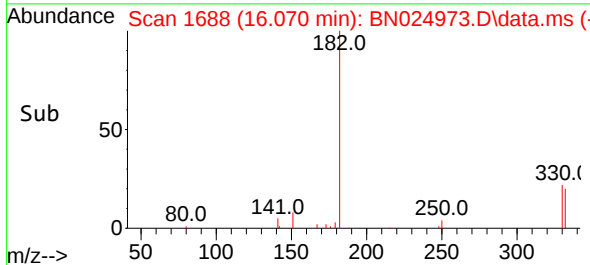
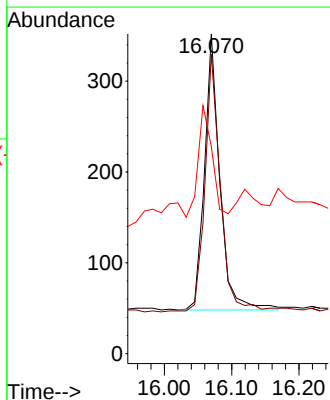
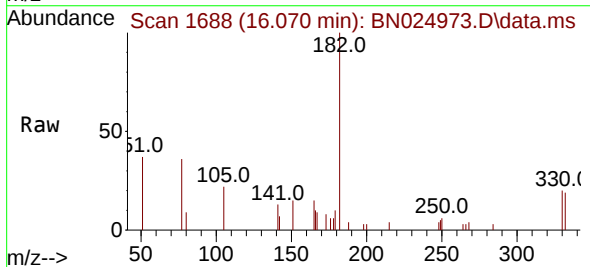
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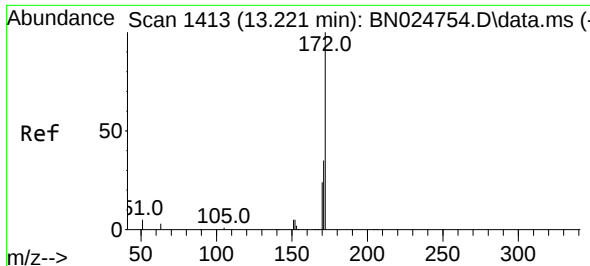
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#14
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 16.070 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

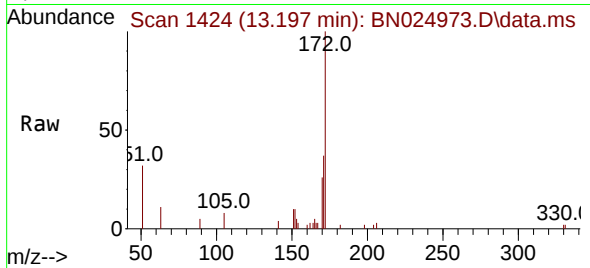
Tgt Ion:330 Resp: 483
Ion Ratio Lower Upper
330 100
332 94.0 77.9 116.9
141 36.4 31.0 46.6





#15
2-Fluorobiphenyl
Concen: 0.055 ng
RT: 13.197 min Scan# 1413
Delta R.T. -0.011 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

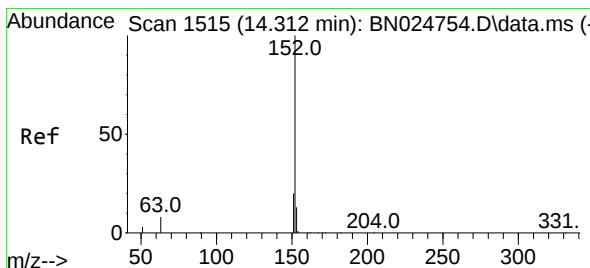
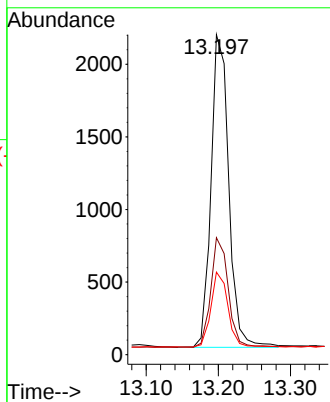
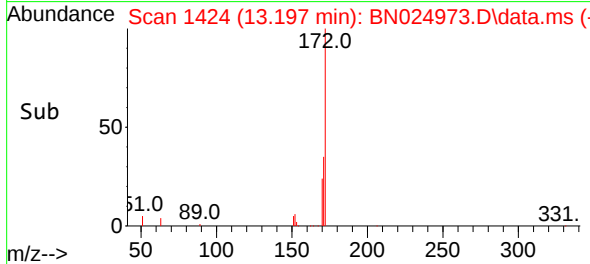
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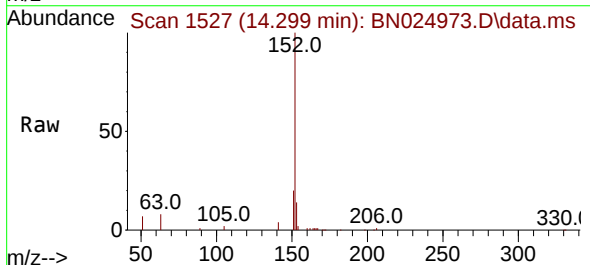
Tgt Ion:172 Resp: 368
Ion Ratio Lower Upper
172 100
171 36.6 28.2 42.2
170 25.8 19.2 28.8

Manual Integrations
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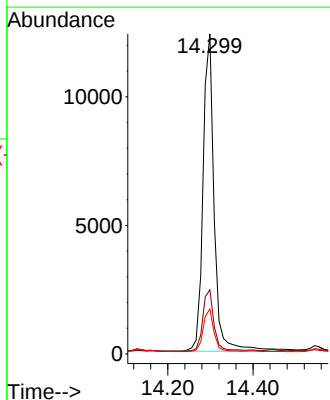
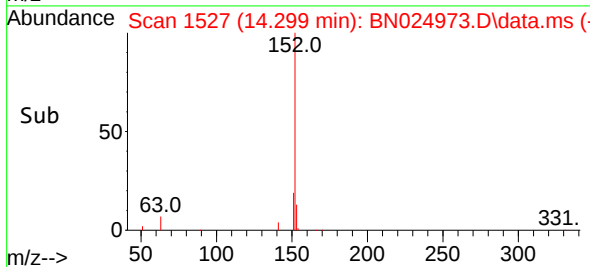
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023

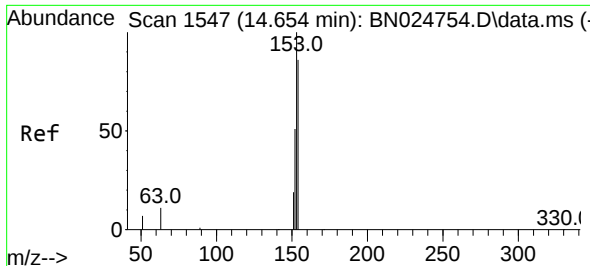


#16
Acenaphthylene
Concen: 0.305 ng
RT: 14.299 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



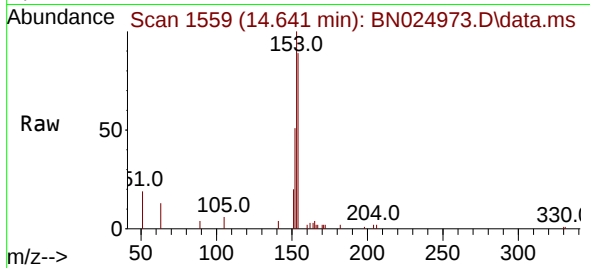
Tgt Ion:152 Resp: 22313
Ion Ratio Lower Upper
152 100
151 19.9 15.3 22.9
153 12.9 10.3 15.5





#17
Acenaphthene
Concen: 0.098 ng
RT: 14.641 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

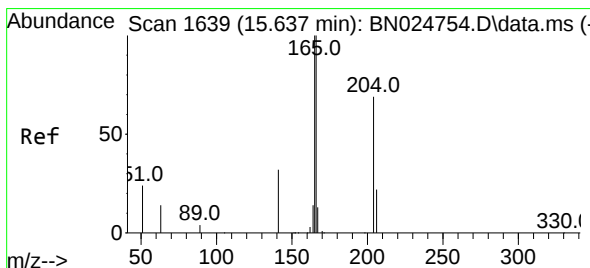
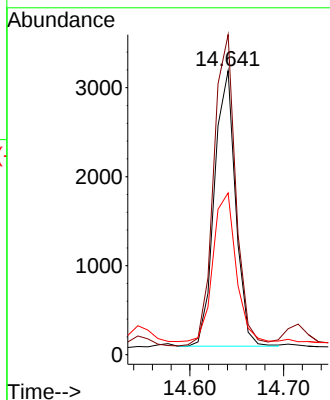
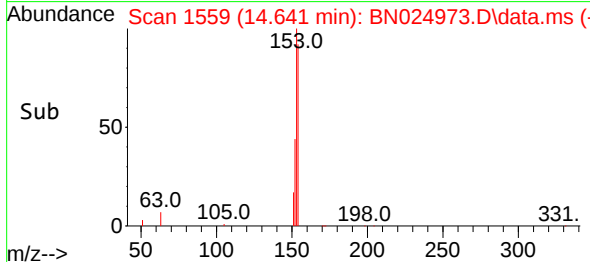
Instrument :
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ClientSampleId :
P2-S2-230413DL



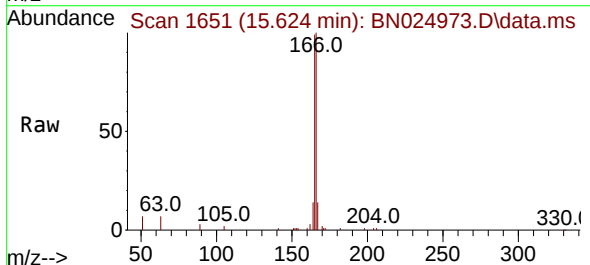
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Ion Ratio Lower Upper
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153 117.7 92.2 138.4
152 58.3 47.1 70.7

Manual Integrations
APPROVED

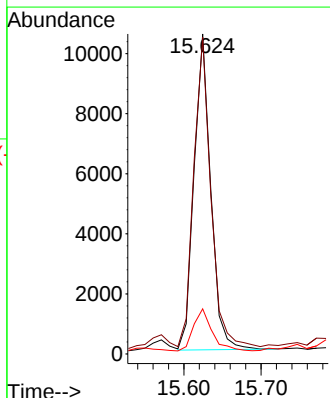
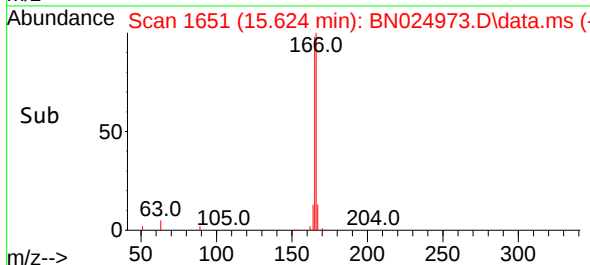
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023

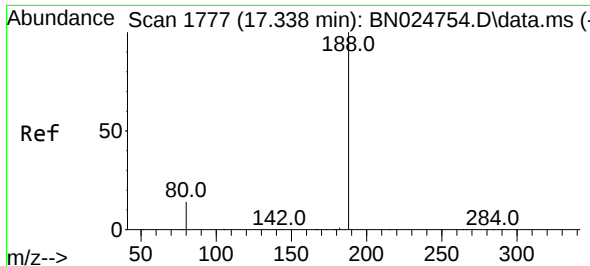


#18
Fluorene
Concen: 0.236 ng
RT: 15.624 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



Tgt Ion:166 Resp: 16032
Ion Ratio Lower Upper
166 100
165 99.1 78.3 117.5
167 14.7 10.4 15.6





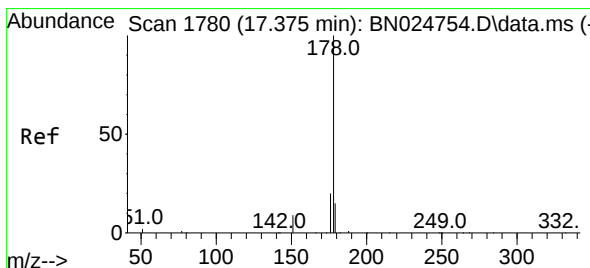
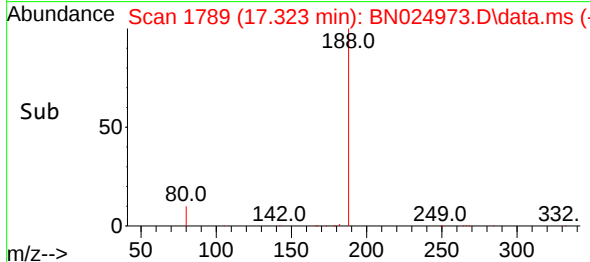
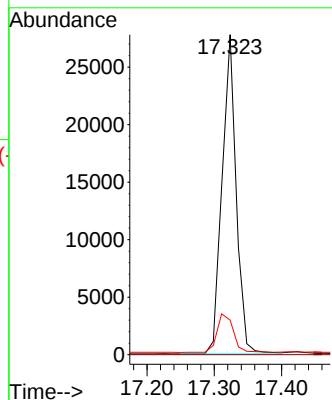
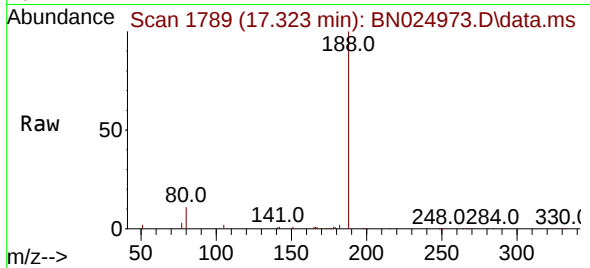
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.323 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL

Tgt Ion:188 Resp: 40300
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 11.3 16.9

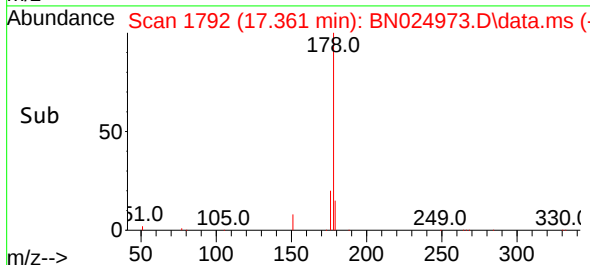
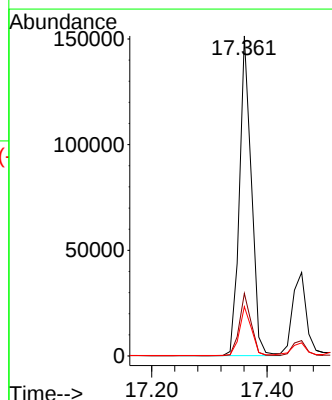
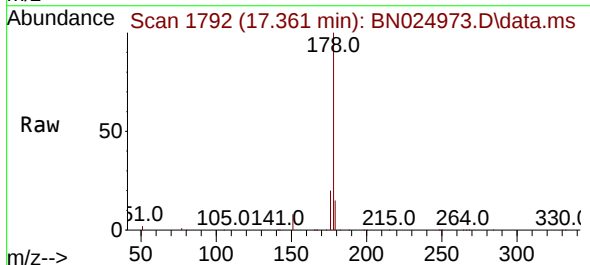
Manual Integrations
APPROVED

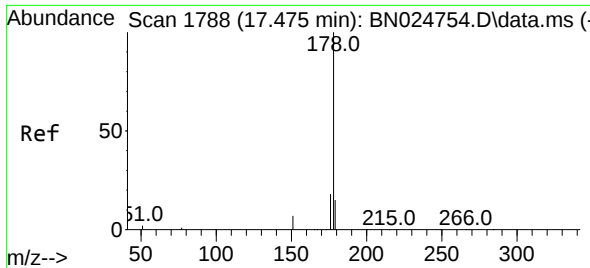
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#25
Phenanthrene
Concen: 1.850 ng
RT: 17.361 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

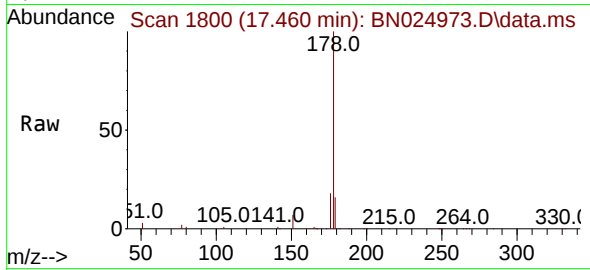
Tgt Ion:178 Resp: 216506
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.2 18.2





#26
 Anthracene
 Concen: 0.654 ng
 RT: 17.460 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN024973.D
 Acq: 18 Apr 2023 11:57

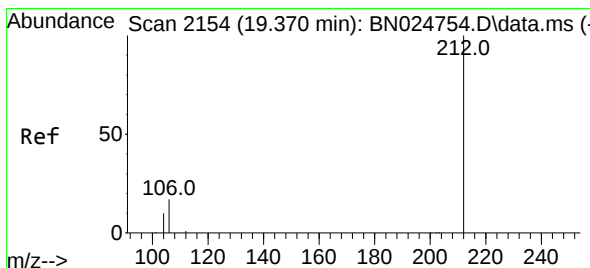
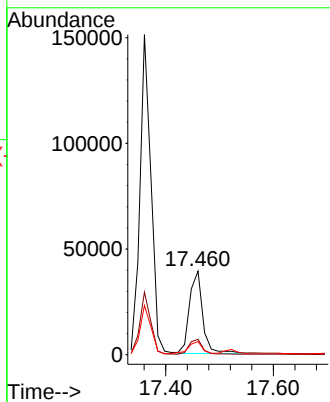
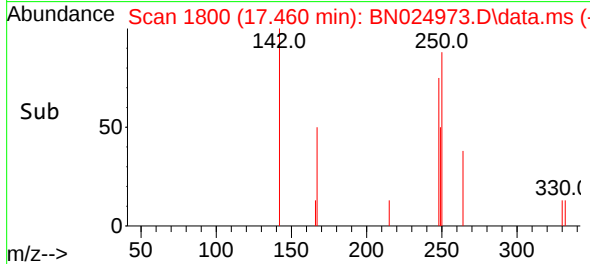
Instrument :
 BNA_N
 ClientSampleId :
 P2-S2-230413DL



Tgt Ion:178 Resp: 66710
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 14.5 12.4 18.6

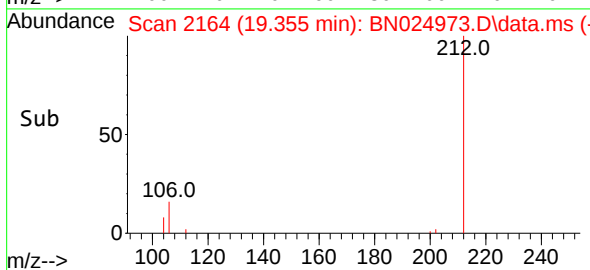
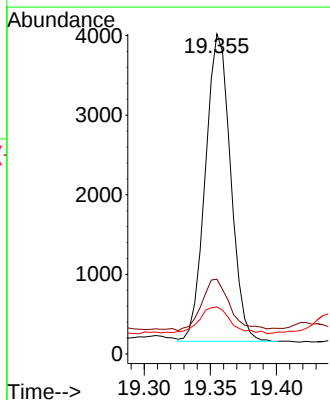
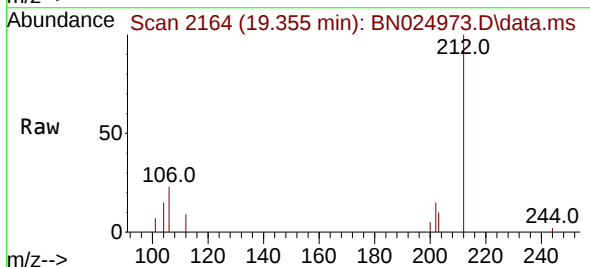
Manual Integrations
 APPROVED

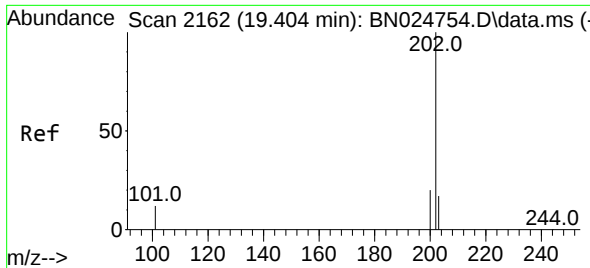
Reviewed By :Yogesh Patel 04/19/2023
 Supervised By :Jagrut Upadhyay 04/19/2023



#27
 Fluoranthene-d10
 Concen: 0.056 ng
 RT: 19.355 min Scan# 2164
 Delta R.T. -0.004 min
 Lab File: BN024973.D
 Acq: 18 Apr 2023 11:57

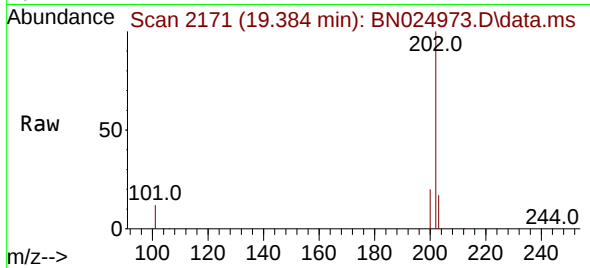
Tgt Ion:212 Resp: 5112
 Ion Ratio Lower Upper
 212 100
 106 18.7 13.2 19.8
 104 10.4 7.6 11.4





#28
Fluoranthene
Concen: 2.813 ng
RT: 19.384 min Scan# 2162
Delta R.T. -0.004 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

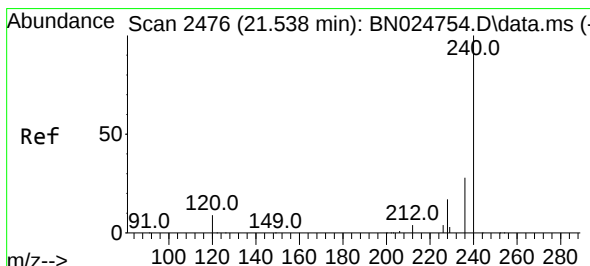
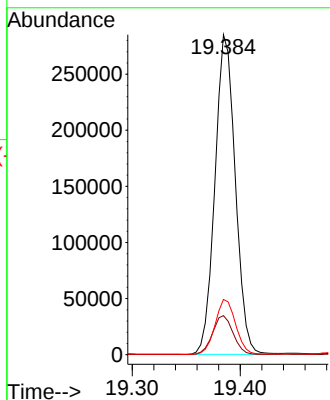
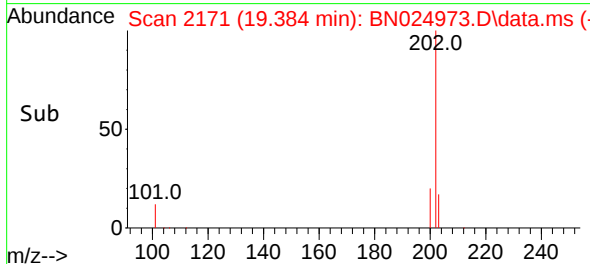
Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL



Tgt Ion:202 Resp: 373694
Ion Ratio Lower Upper
202 100
101 12.2 10.2 15.4
203 17.2 13.4 20.2

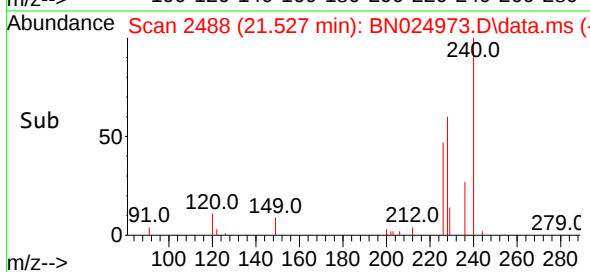
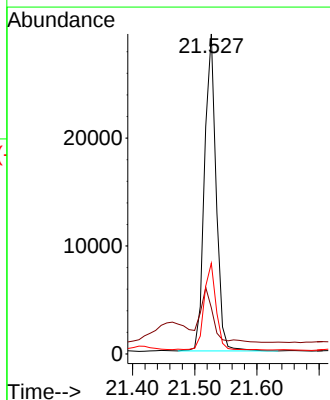
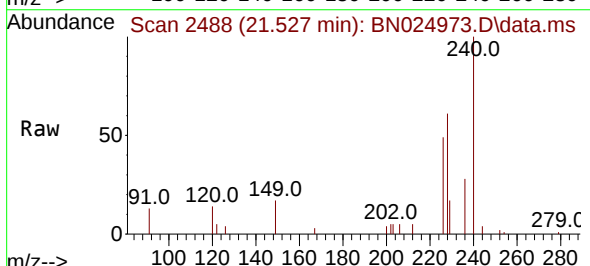
Manual Integrations
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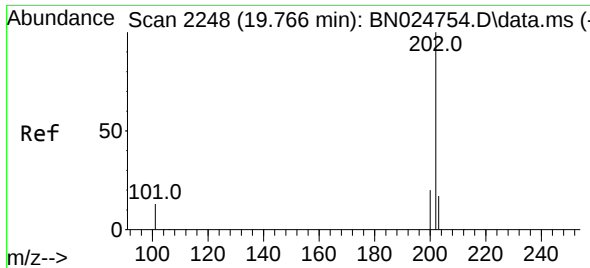
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.527 min Scan# 2488
Delta R.T. 0.005 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Tgt Ion:240 Resp: 38106
Ion Ratio Lower Upper
240 100
120 14.5 8.8 13.2#
236 28.3 22.6 34.0





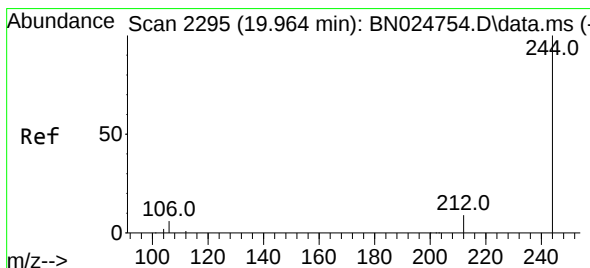
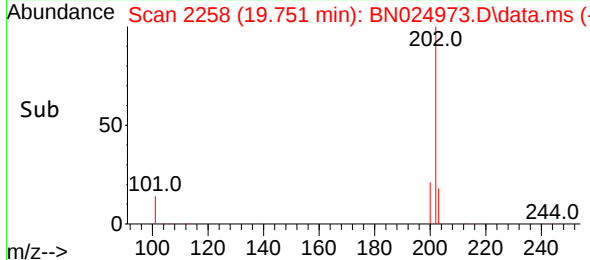
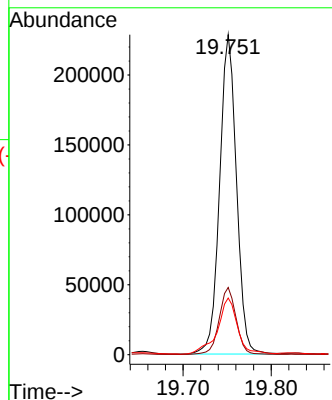
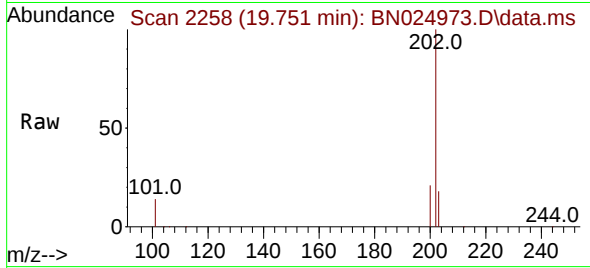
#30
Pyrene
Concen: 2.243 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL

Tgt Ion:202 Resp: 303780
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 20.6 14.2 21.4

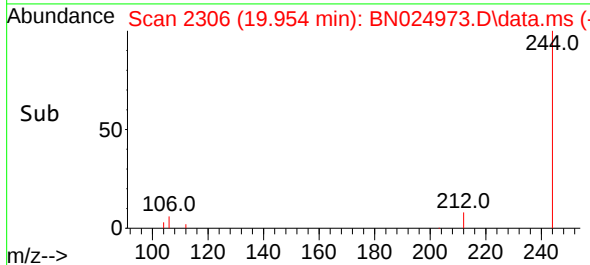
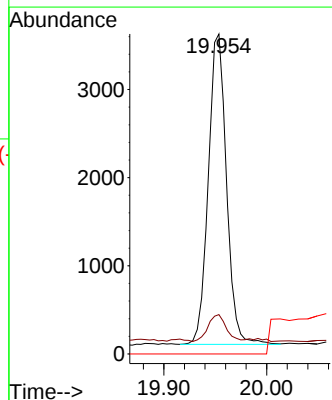
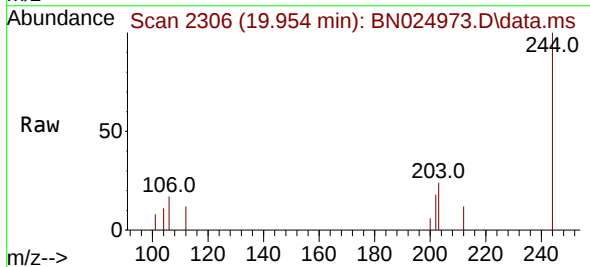
Manual Integrations
APPROVED

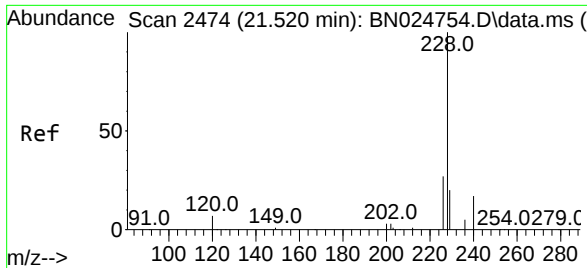
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 19.954 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

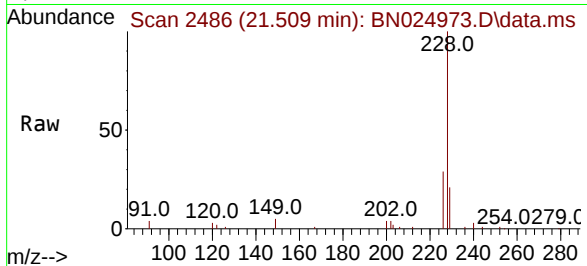
Tgt Ion:244 Resp: 4552
Ion Ratio Lower Upper
244 100
212 12.3 7.4 11.0#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 1.351 ng
RT: 21.509 min Scan# 2486
Delta R.T. 0.005 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

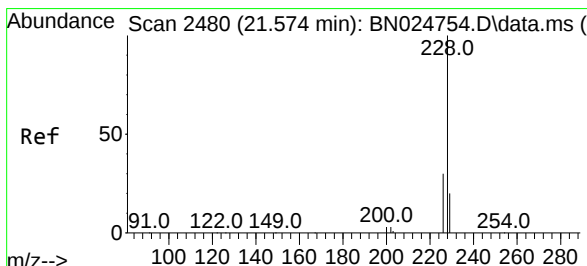
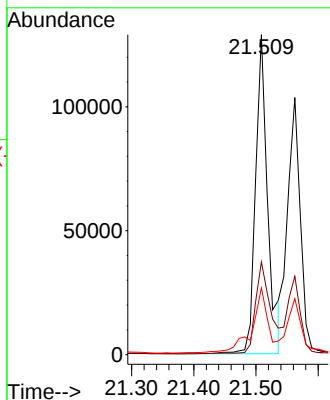
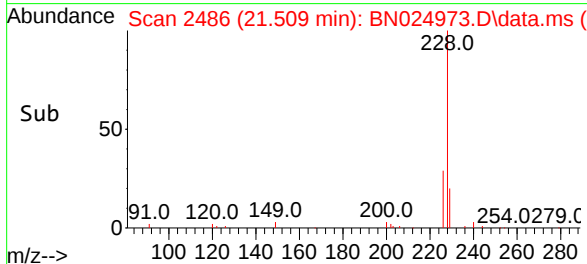
Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL



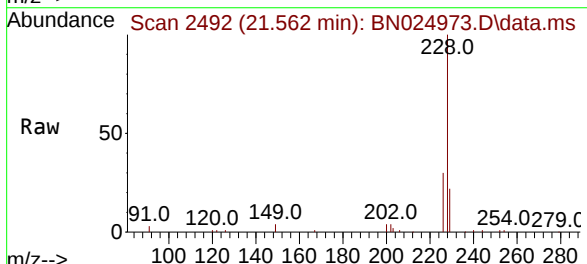
Tgt Ion:228 Resp: 17409
Ion Ratio Lower Upper
228 100
226 29.0 21.5 32.3
229 20.9 16.0 24.0

Manual Integrations
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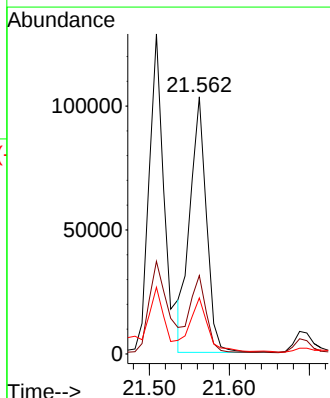
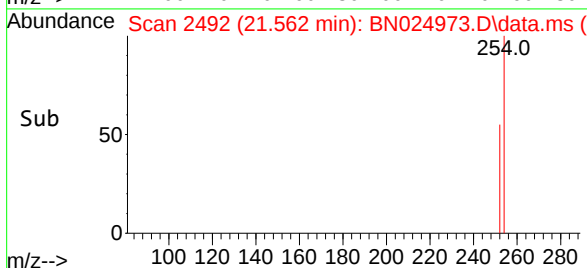
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023

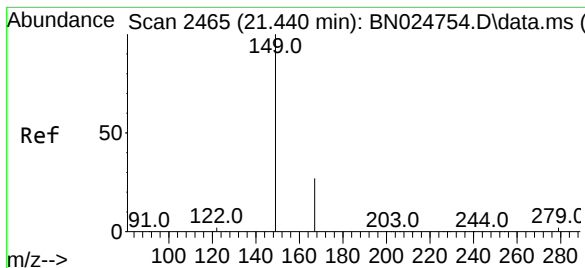


#33
Chrysene
Concen: 1.097 ng
RT: 21.562 min Scan# 2492
Delta R.T. 0.005 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



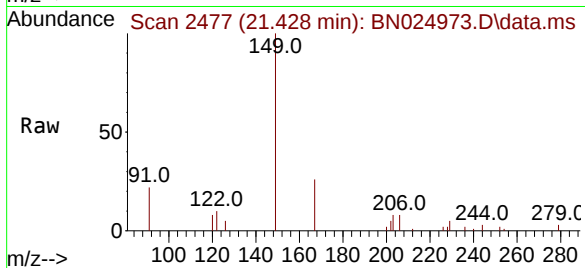
Tgt Ion:228 Resp: 148072
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 21.8 16.0 24.0





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.530 ng m
 RT: 21.428 min Scan# 2465
 Delta R.T. 0.005 min
 Lab File: BN024973.D
 Acq: 18 Apr 2023 11:57

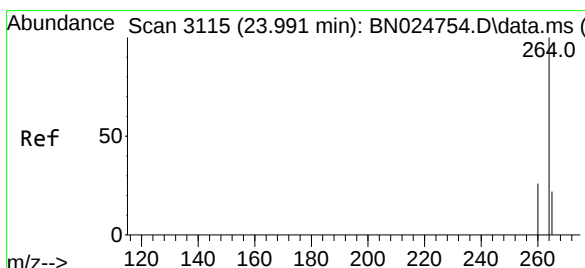
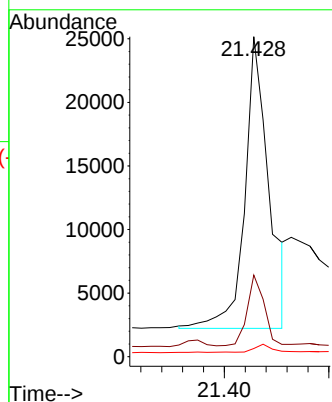
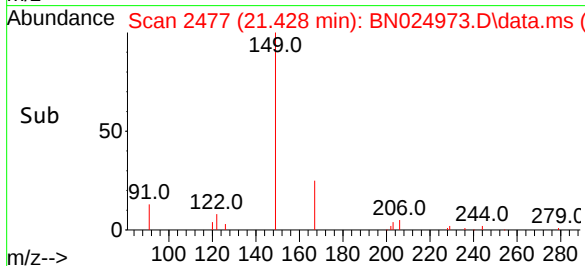
Instrument :
 BNA_N
 ClientSampleId :
 P2-S2-230413DL



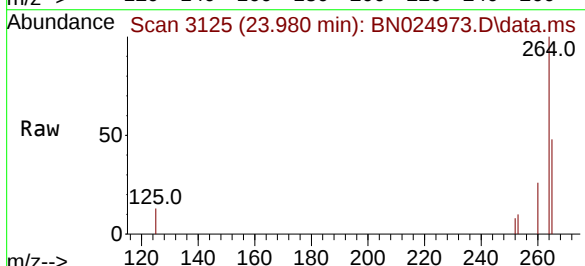
Tgt Ion:149 Resp: 3669
 Ion Ratio Lower Upper
 149 100
 167 17.3 21.4 32.2
 279 2.2 2.6 4.0

Manual Integrations
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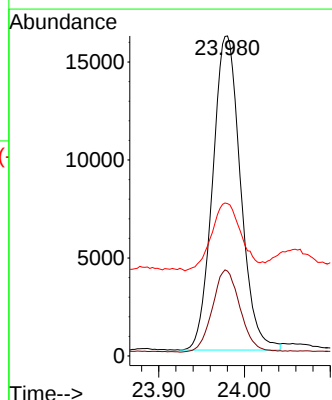
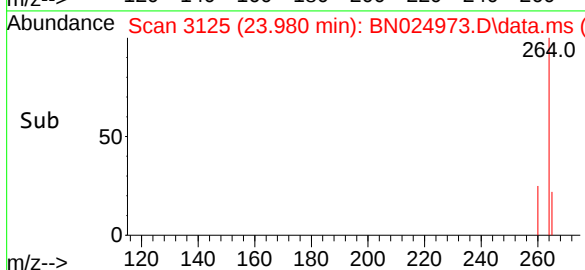
Reviewed By :Yogesh Patel 04/19/2023
 Supervised By :Jagrut Upadhyay 04/19/2023

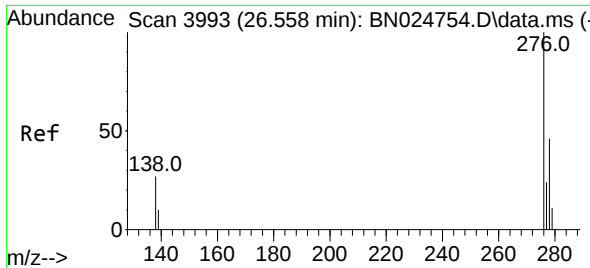


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.980 min Scan# 3125
 Delta R.T. 0.007 min
 Lab File: BN024973.D
 Acq: 18 Apr 2023 11:57



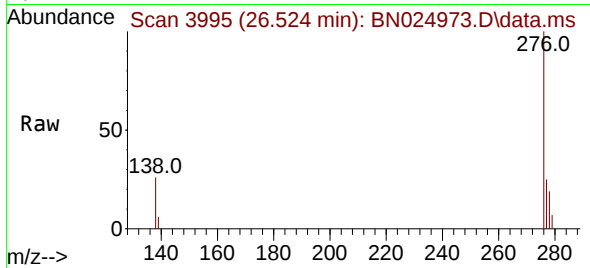
Tgt Ion:264 Resp: 36358
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.8 31.2
 265 47.6 46.5 69.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.433 ng
RT: 26.524 min Scan# 3995
Delta R.T. -0.010 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

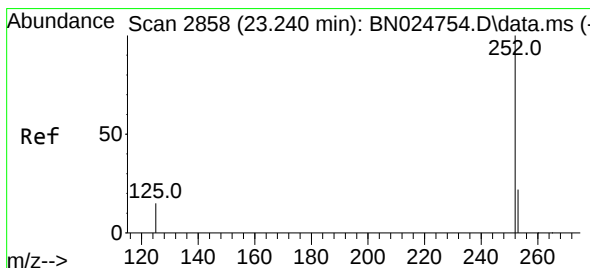
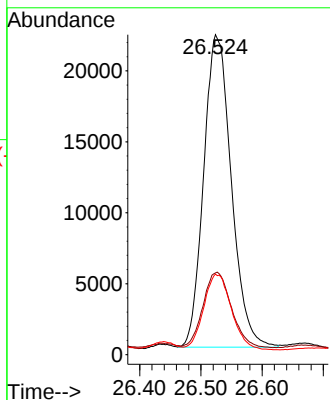
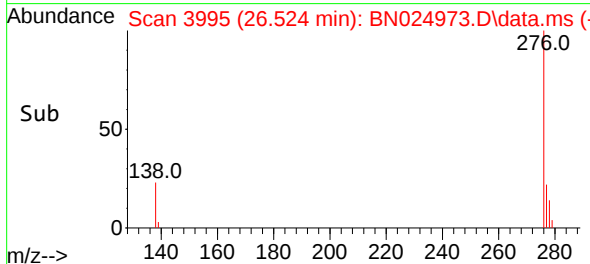
Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL



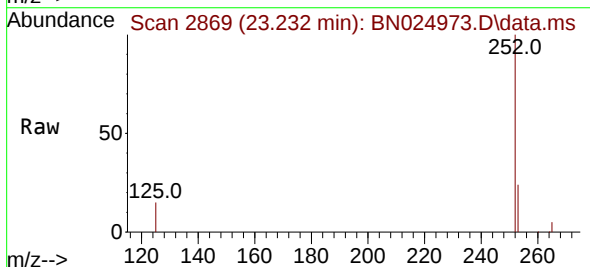
Tgt Ion: 276 Resp: 6907
Ion Ratio Lower Upper
276 100
138 24.8 23.4 35.0
277 24.5 19.8 29.8

Manual Integrations
APPROVED

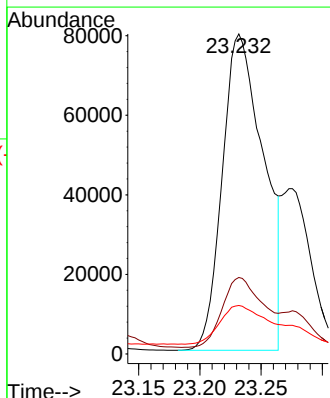
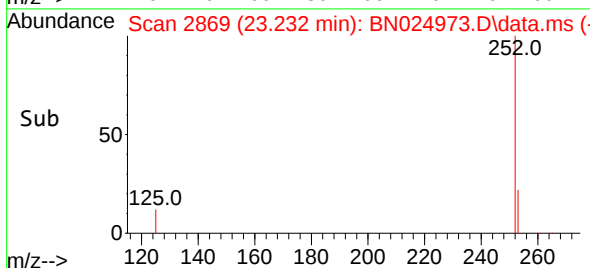
Reviewed By : Yogesh Patel 04/19/2023
Supervised By : Jagrut Upadhyay 04/19/2023

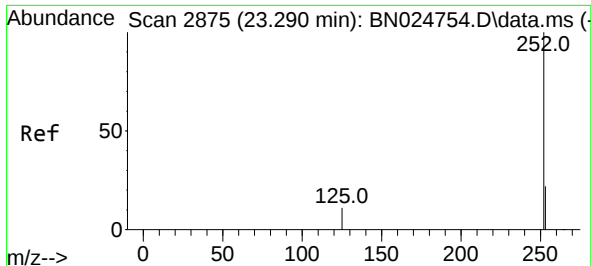


#37
Benzo(b)fluoranthene
Concen: 1.354 ng
RT: 23.232 min Scan# 2869
Delta R.T. 0.010 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



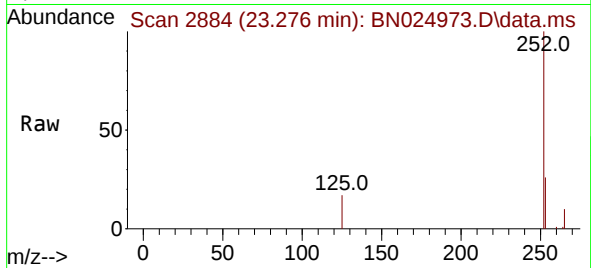
Tgt Ion: 252 Resp: 186718
Ion Ratio Lower Upper
252 100
253 23.9 20.0 30.0
125 15.2 14.6 21.8





#38
Benzo(k)fluoranthene
Concen: 0.495 ng m
RT: 23.276 min Scan# 2875
Delta R.T. 0.005 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

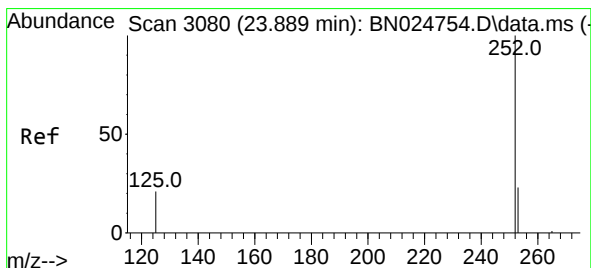
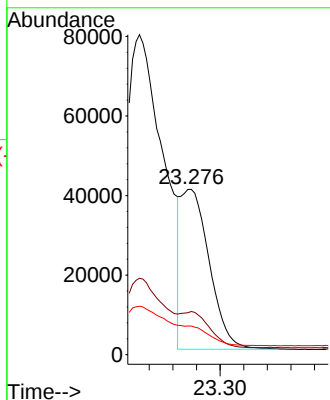
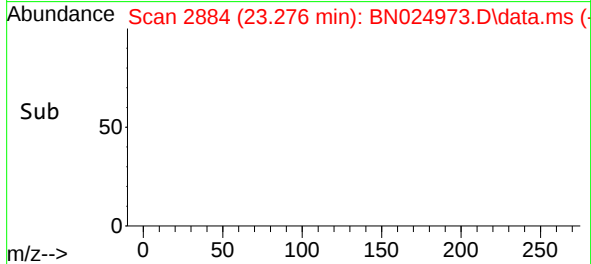
Instrument :
BNA_N
ClientSampleId :
P2-S2-230413DL



Tgt Ion:252 Resp: 6766
Ion Ratio Lower Upper
252 100
253 26.1 20.0 30.0
125 17.4 11.9 17.9

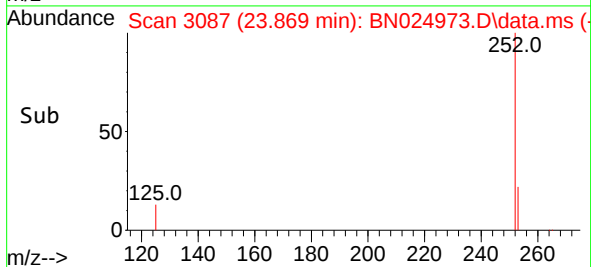
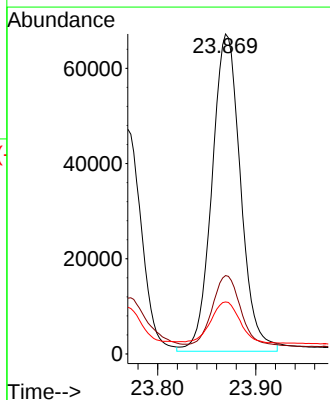
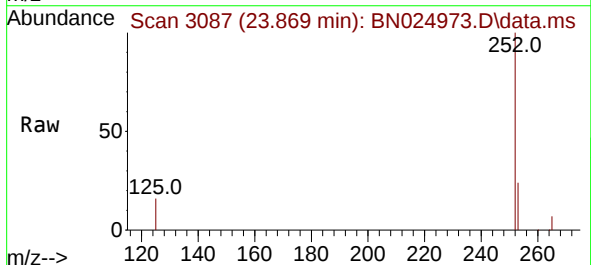
Manual Integrations
APPROVED

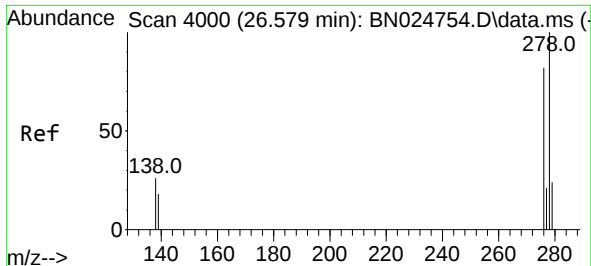
Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#39
Benzo(a)pyrene
Concen: 1.021 ng m
RT: 23.869 min Scan# 3087
Delta R.T. 0.002 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Tgt Ion:252 Resp: 134629
Ion Ratio Lower Upper
252 100
253 24.5 21.0 31.6
125 16.2 20.2 30.4





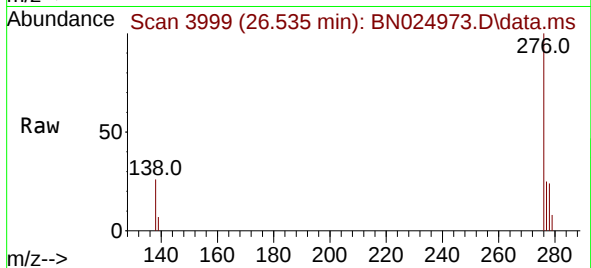
#40
Dibenzo(a,h)anthracene
Concen: 0.133 ng
RT: 26.535 min Scan# 3999
Delta R.T. -0.019 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57

Instrument :

BNA_N

ClientSampleId :

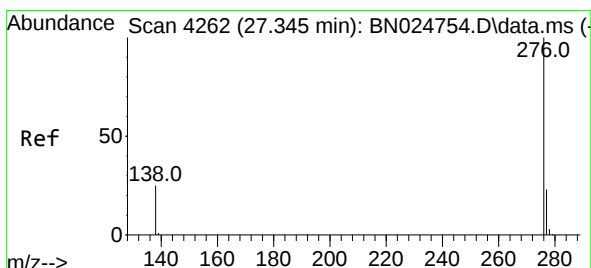
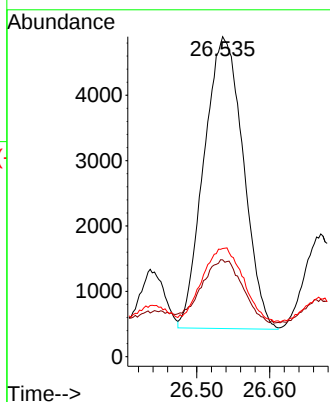
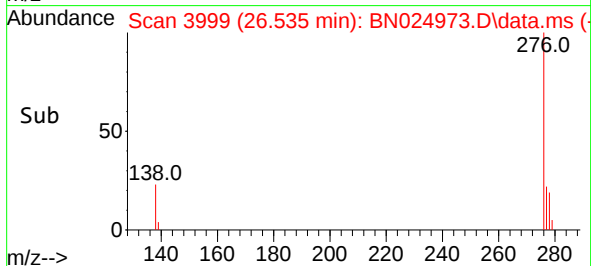
P2-S2-230413DL



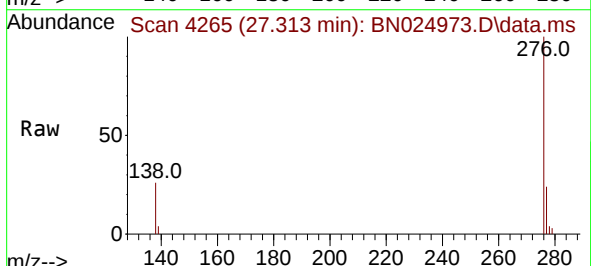
Tgt Ion:278 Resp: 16684
Ion Ratio Lower Upper
278 100
139 30.3 17.1 25.7
279 33.8 20.7 31.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/19/2023
Supervised By :Jagrut Upadhyay 04/19/2023



#41
Benzo(g,h,i)perylene
Concen: 0.482 ng
RT: 27.313 min Scan# 4265
Delta R.T. -0.007 min
Lab File: BN024973.D
Acq: 18 Apr 2023 11:57



Tgt Ion:276 Resp: 65532
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 26.2 20.9 31.3

