

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028254.D
 Acq On : 12 Oct 2023 04:39
 Operator : MA/JU
 Sample : 04805-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 M-2(0-5)

Quant Time: Oct 12 05:37:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	4898	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	16972	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	13799	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	22034	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	17374m	0.400	ng	0.00
35) Perylene-d12	23.993	264	35478	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	1238	0.085	ng	-0.01
5) Phenol-d6	7.084	99	1466	0.080	ng	0.00
8) Nitrobenzene-d5	9.112	82	1237	0.086	ng	-0.01
11) 2-Methylnaphthalene-d10	12.309	152	1988	0.079	ng	-0.02
14) 2,4,6-Tribromophenol	16.065	330	424	0.067	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2726	0.055	ng	-0.01
27) Fluoranthene-d10	19.374	212	7262	0.131	ng	0.02
31) Terphenyl-d14	19.932	244	7139	0.176	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	811966	18.516	ng	98
12) 2-Methylnaphthalene	12.385	142	215477	7.024	ng	99
16) Acenaphthylene	14.288	152	1762312	28.830	ng	99
17) Acenaphthene	14.619	154	334815	8.592	ng	97
18) Fluorene	15.606	166	648863	12.821	ng	# 93
25) Phenanthrene	17.368	178	3782452	63.674	ng	99
26) Anthracene	17.455	178	2095017	37.312	ng	# 92
28) Fluoranthene	19.393	202	5983947	87.286	ng	97
30) Pyrene	19.765	202	7356653	115.473	ng	96
32) Benzo(a)anthracene	21.506	228	3973867	67.216	ng	93
33) Chrysene	21.560	228	3264114	57.291	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	7183	0.185	ng	# 85
36) Indeno(1,2,3-cd)pyrene	26.604	276	1709824	14.328	ng	97
37) Benzo(b)fluoranthene	23.236	252	3478835	30.361	ng	# 89
38) Benzo(k)fluoranthene	23.279	252	1275504m	10.975	ng	
39) Benzo(a)pyrene	23.890	252	3224895m	29.765	ng	
40) Dibenzo(a,h)anthracene	26.607	278	516982	5.296	ng	96
41) Benzo(g,h,i)perylene	27.422	276	1792810	17.892	ng	95

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

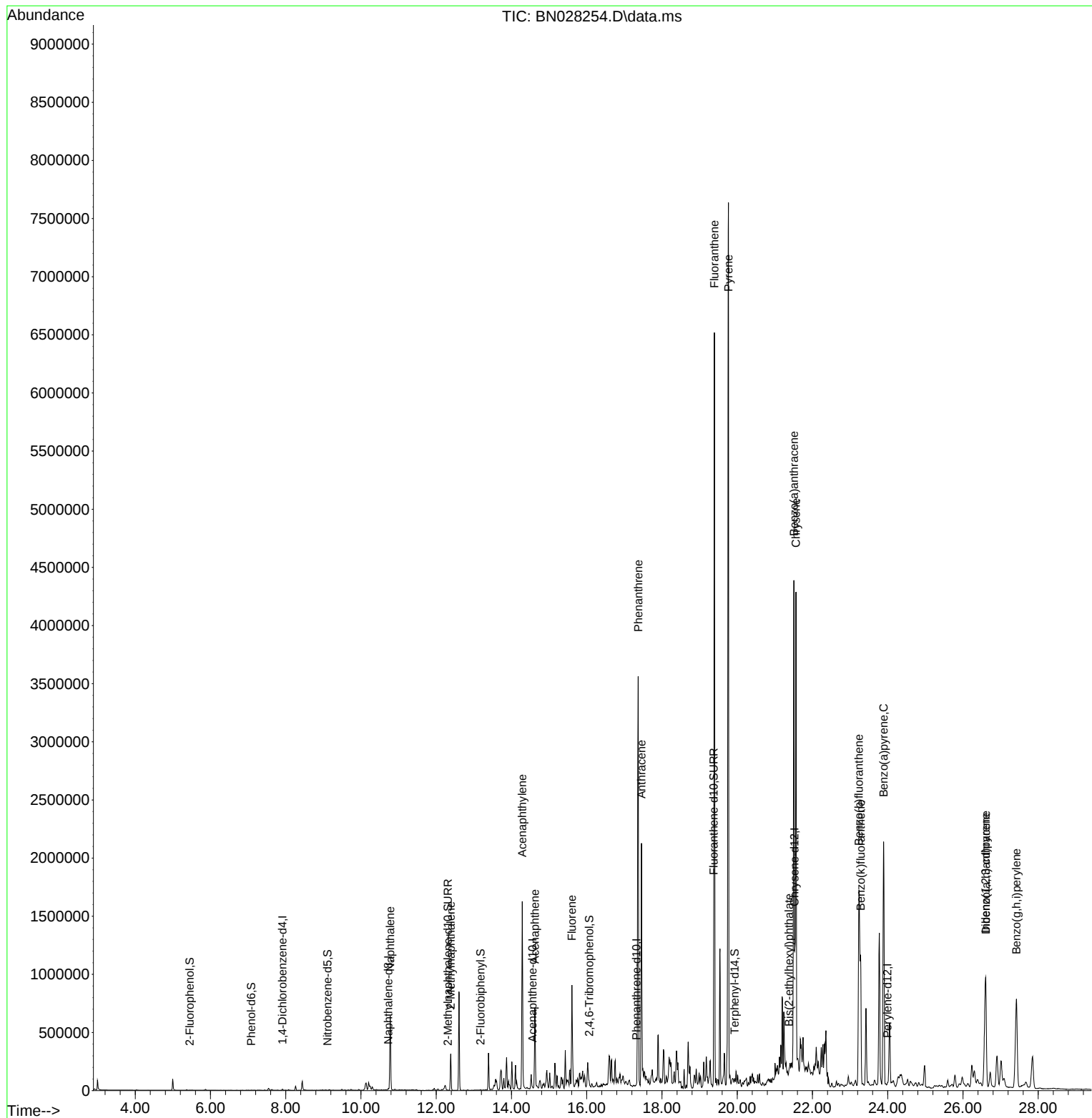
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 04:03:12 2023
Response via : Initial Calibration

Manual Integrations
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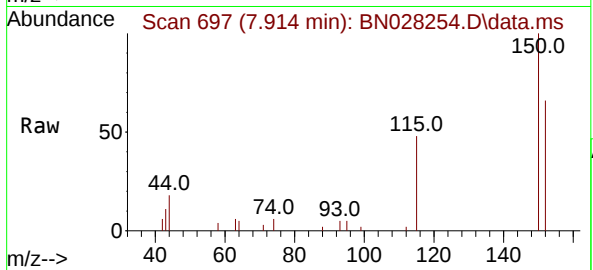
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 697
Delta R.T. -0.008 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

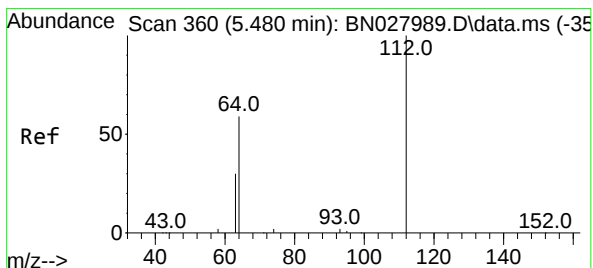
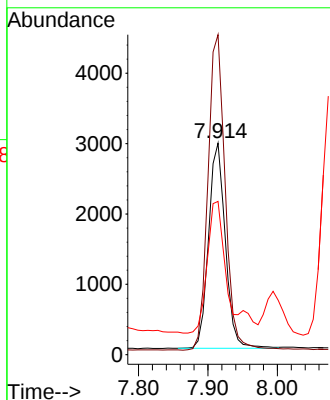
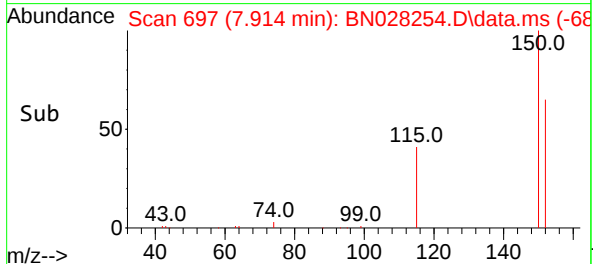
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:152 Resp: 4898
Ion Ratio Lower Upper
152 100
150 151.2 125.6 188.4
115 72.5 54.8 82.2

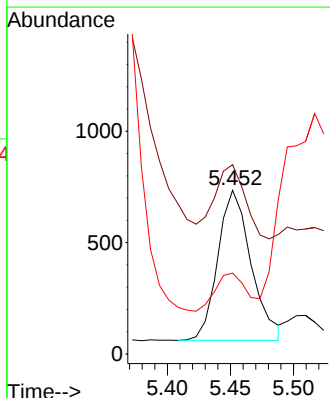
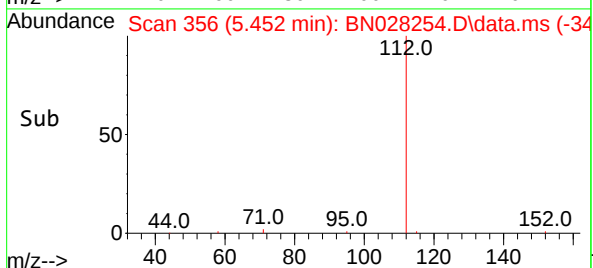
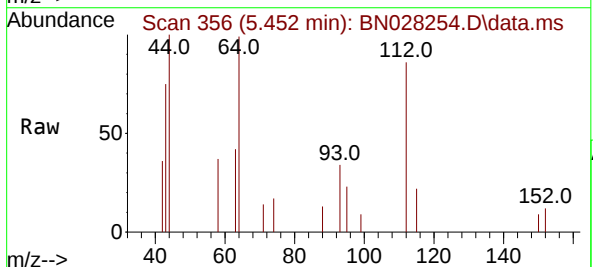
Manual Integrations
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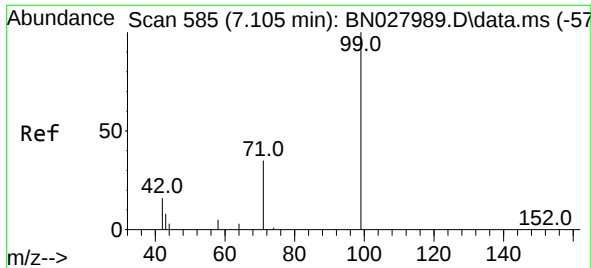
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#4
2-Fluorophenol
Concen: 0.085 ng
RT: 5.452 min Scan# 356
Delta R.T. -0.014 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

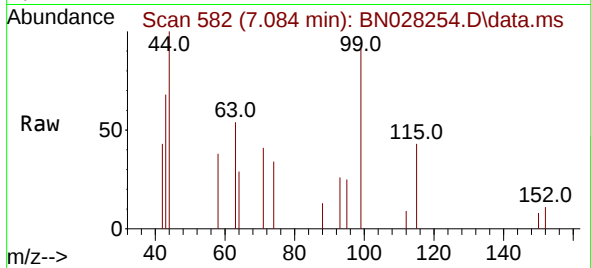
Tgt Ion:112 Resp: 1238
Ion Ratio Lower Upper
112 100
64 44.7 45.0 67.6#
63 24.6 23.4 35.0





#5
Phenol-d6
Concen: 0.080 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

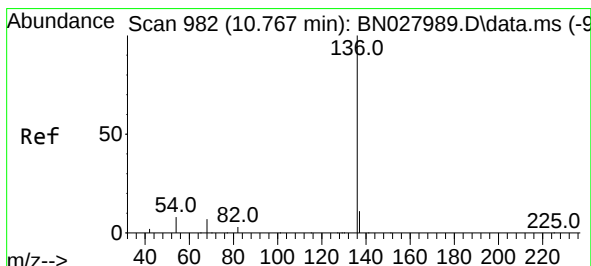
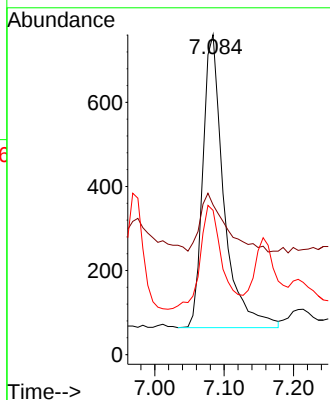
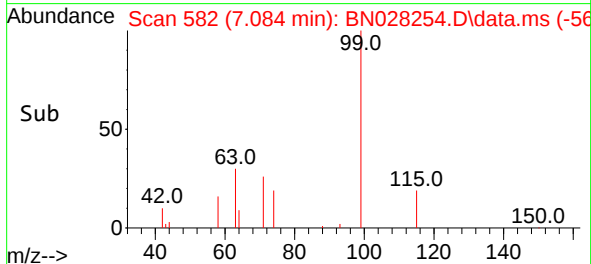
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



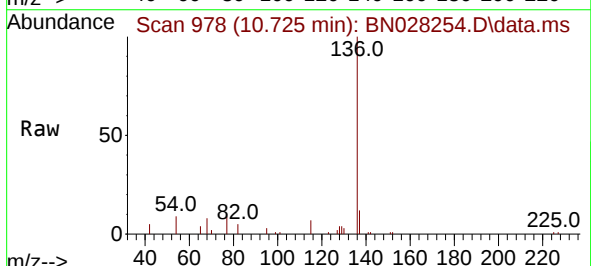
Tgt Ion: 99 Resp: 1460
Ion Ratio Lower Upper
99 100
42 23.7 14.6 22.0
71 37.1 28.3 42.5

Manual Integrations
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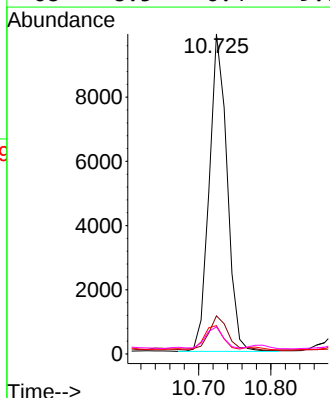
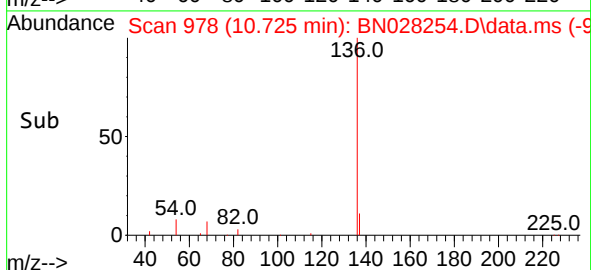
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

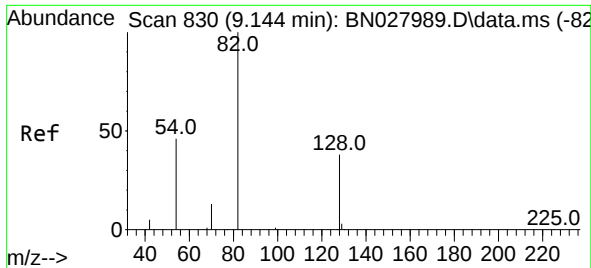


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39



Tgt Ion:136 Resp: 16972
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 8.9 7.0 10.6
68 8.5 6.4 9.6





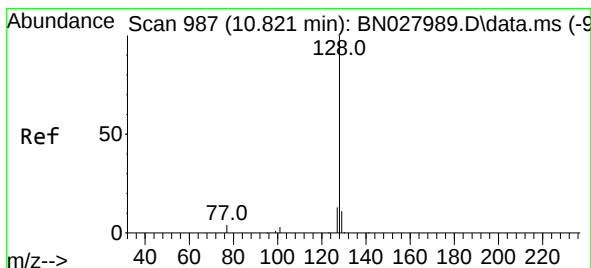
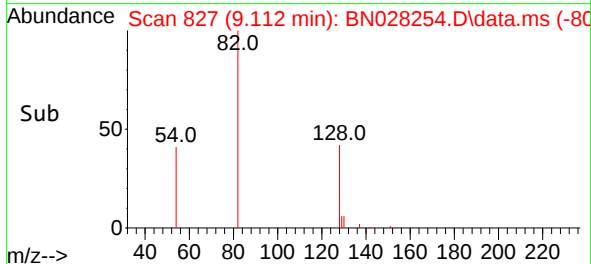
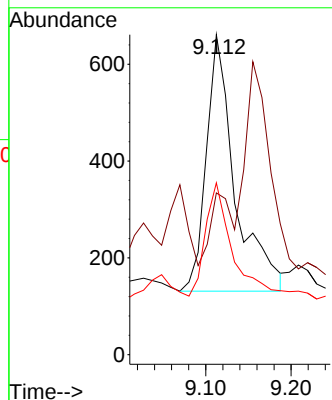
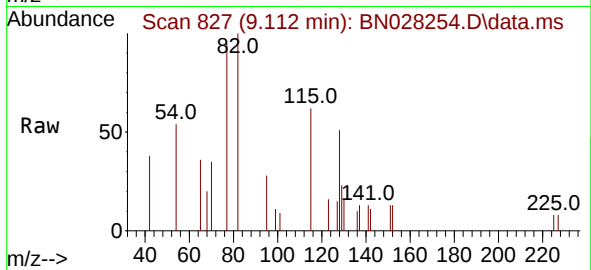
#8
Nitrobenzene-d5
Concen: 0.086 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

Tgt Ion: 82 Resp: 123
Ion Ratio Lower Upper
82 100
128 50.5 32.7 49.1
54 53.7 38.7 58.1

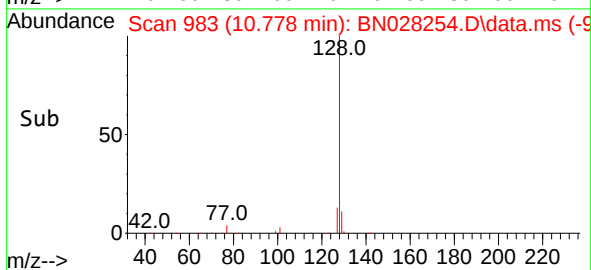
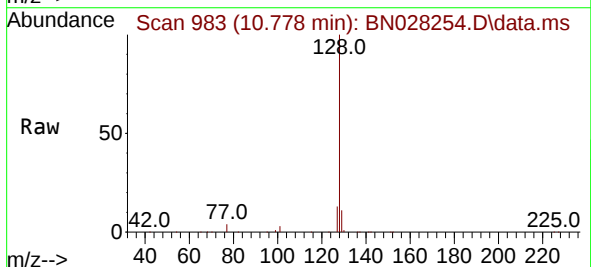
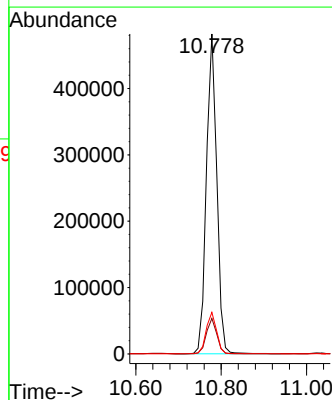
Manual Integrations
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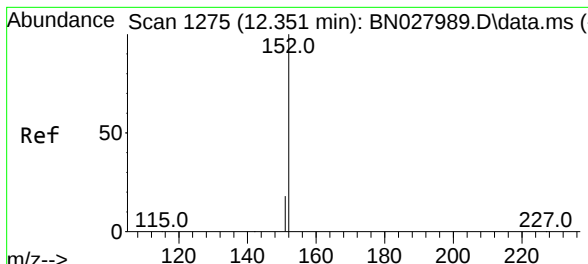
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#9
Naphthalene
Concen: 18.516 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

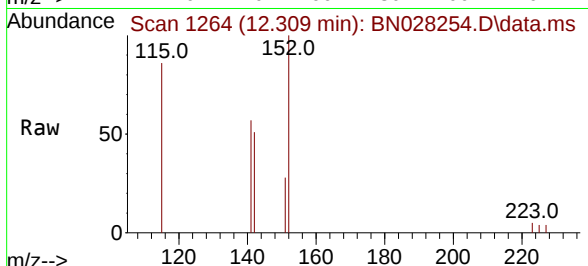
Tgt Ion:128 Resp: 811966
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.079 ng
RT: 12.309 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

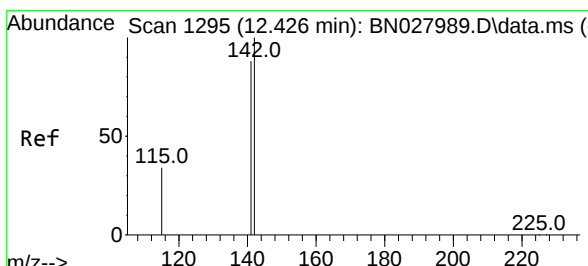
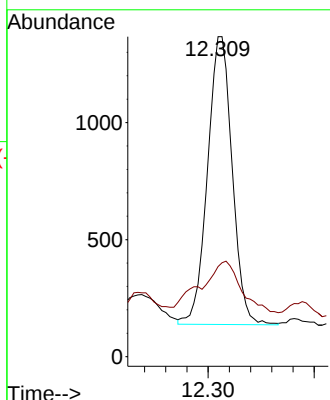
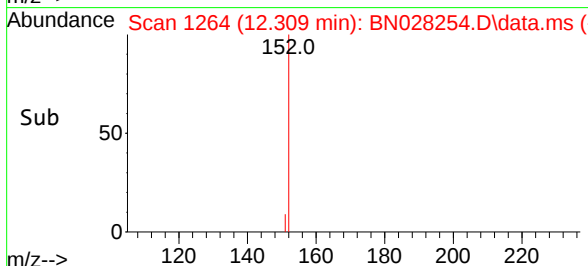
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:152 Resp: 1988
Ion Ratio Lower Upper
152 100
151 33.0 16.5 24.7

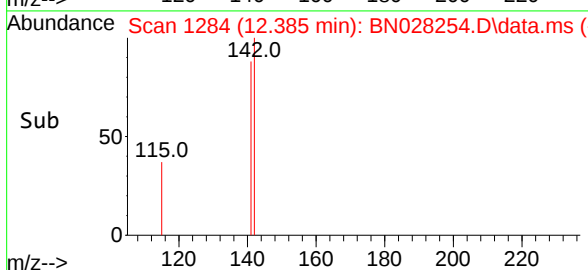
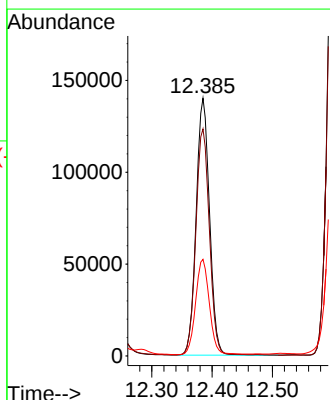
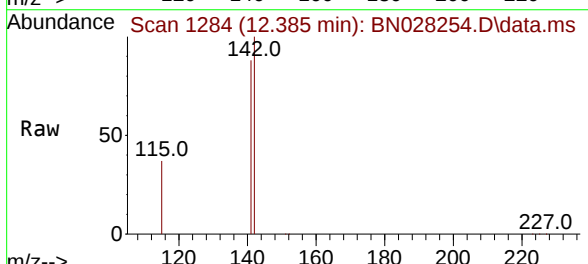
Manual Integrations
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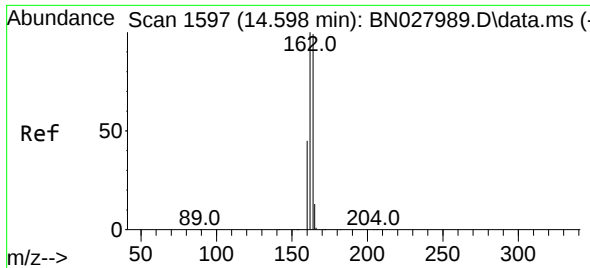
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#12
2-Methylnaphthalene
Concen: 7.024 ng
RT: 12.385 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

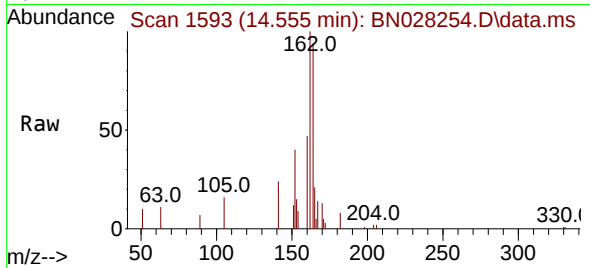
Tgt Ion:142 Resp: 215477
Ion Ratio Lower Upper
142 100
141 88.1 70.7 106.1
115 37.5 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

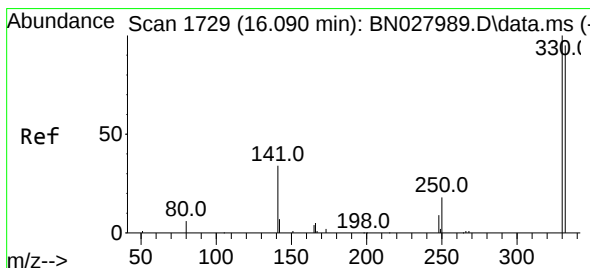
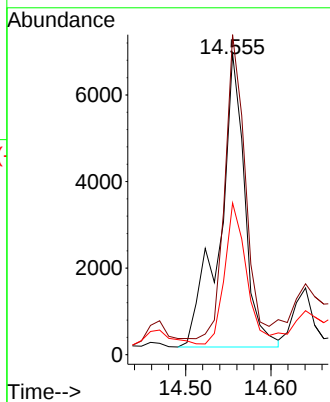
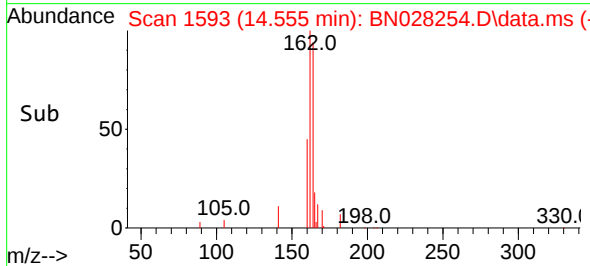
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:164 Resp: 13799
Ion Ratio Lower Upper
164 100
162 106.3 80.8 121.2
160 50.4 36.4 54.6

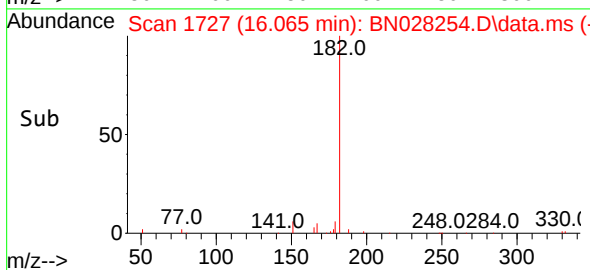
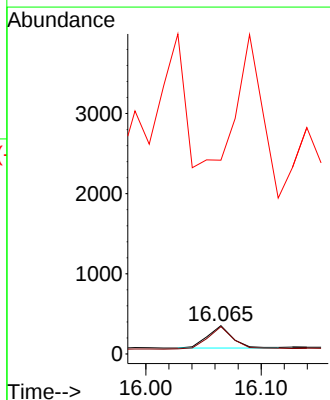
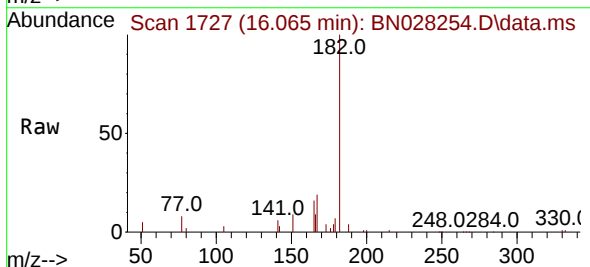
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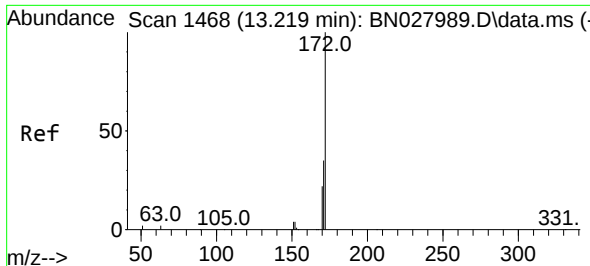
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#14
2,4,6-Tribromophenol
Concen: 0.067 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

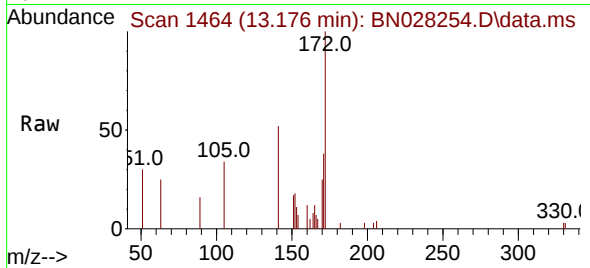
Tgt Ion:330 Resp: 424
Ion Ratio Lower Upper
330 100
332 103.8 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.055 ng
RT: 13.176 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

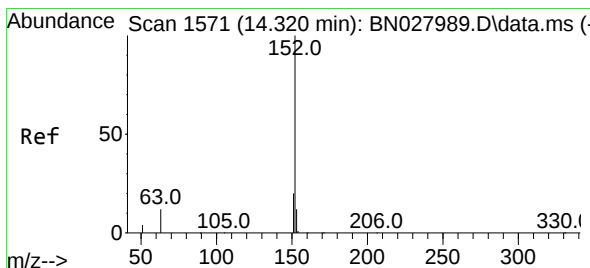
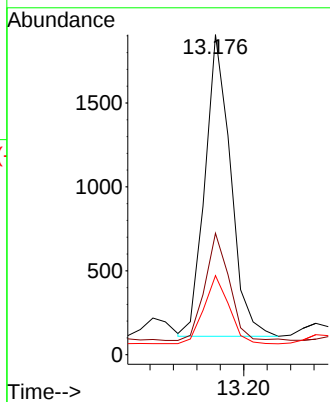
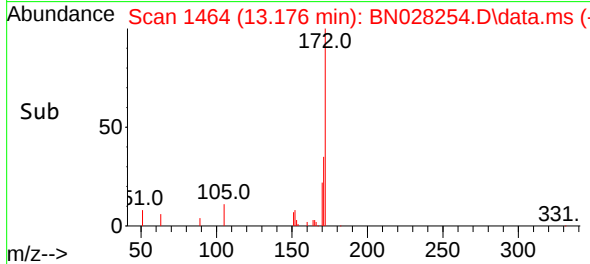
Instrument :
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M-2(0-5)



Tgt Ion:172 Resp: 2720
Ion Ratio Lower Upper
172 100
171 38.0 28.1 42.1
170 24.7 18.4 27.6

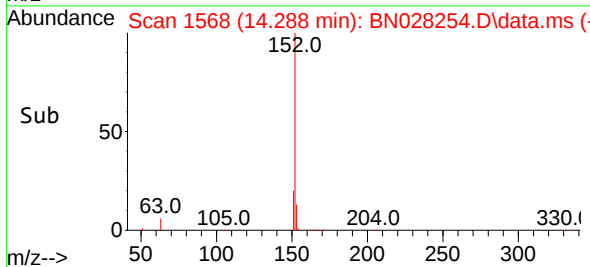
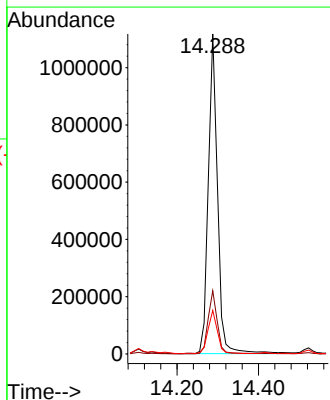
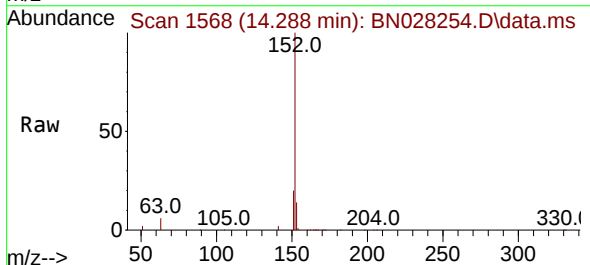
Manual Integrations
APPROVED

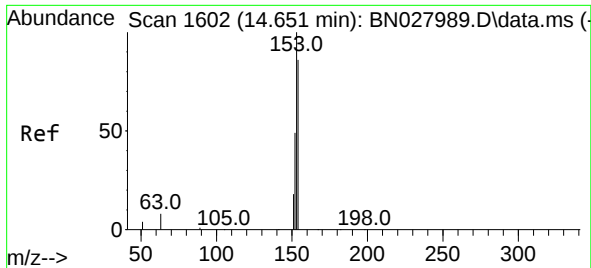
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#16
Acenaphthylene
Concen: 28.830 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

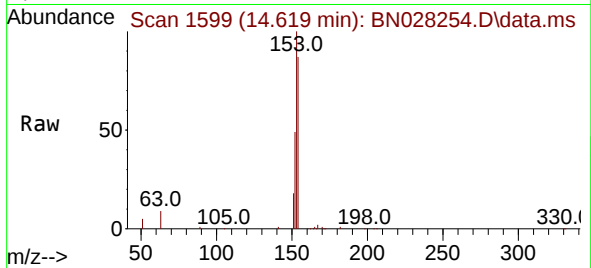
Tgt Ion:152 Resp: 1762312
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.9 10.2 15.4





#17
Acenaphthene
Concen: 8.592 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

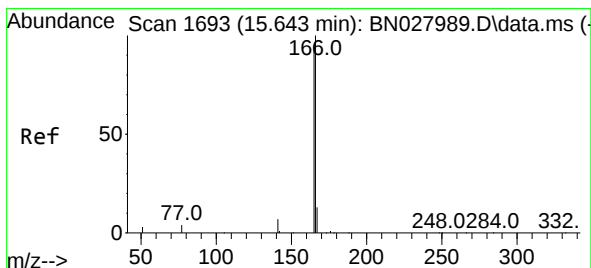
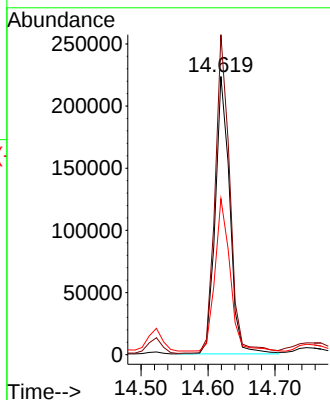
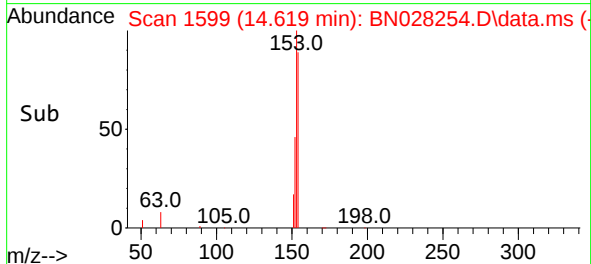
Instrument :
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M-2(0-5)



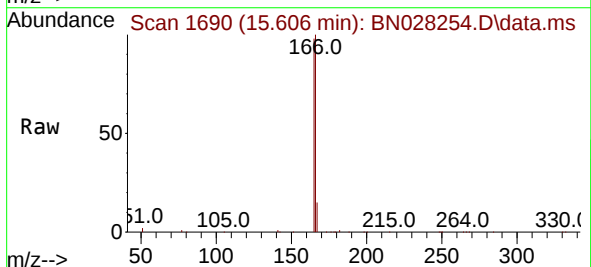
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Ion Ratio Lower Upper
154 100
153 116.6 90.8 136.2
152 57.2 43.9 65.9

Manual Integrations
APPROVED

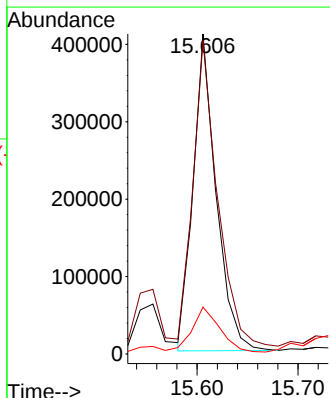
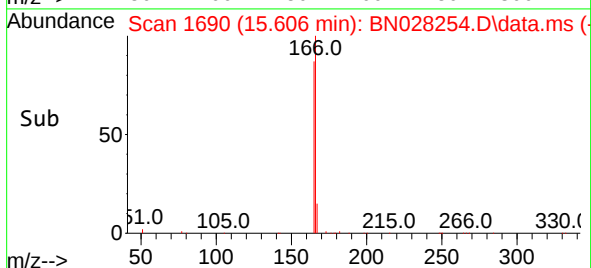
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

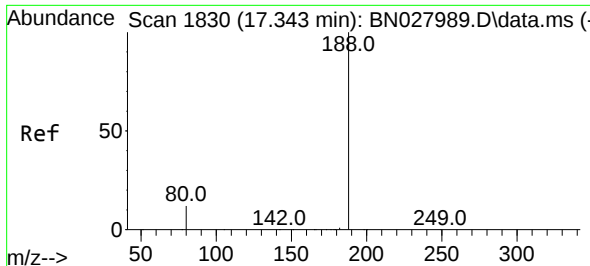


#18
Fluorene
Concen: 12.821 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39



Tgt Ion:166 Resp: 648863
Ion Ratio Lower Upper
166 100
165 103.0 77.8 116.8
167 18.9 10.7 16.1#





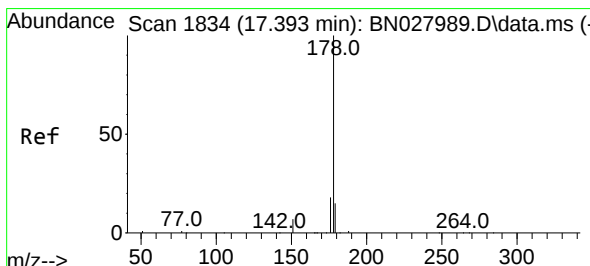
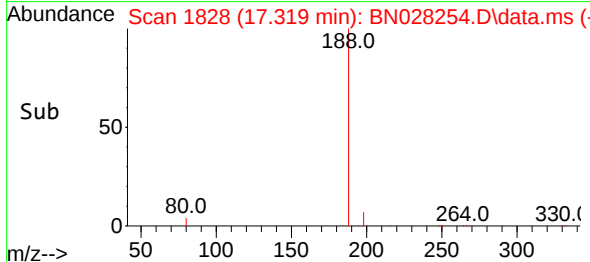
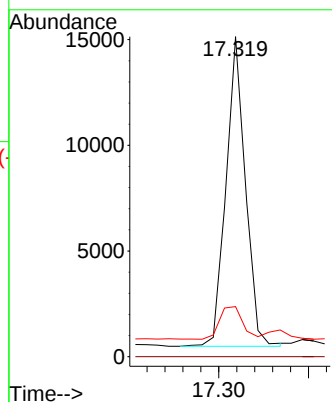
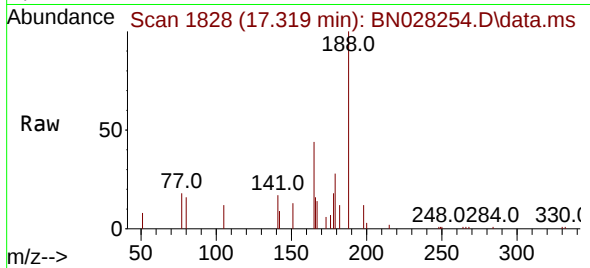
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Instrument :
BNA_N
ClientSampleId :
M-2(0-5)

Tgt Ion:188 Resp: 22034
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.6 10.2 15.4

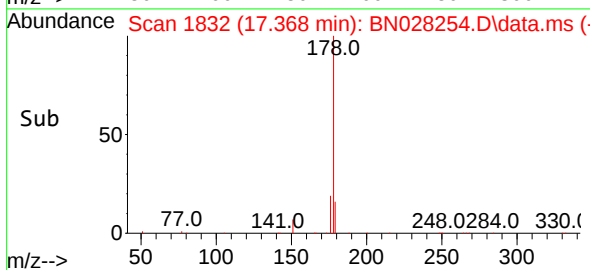
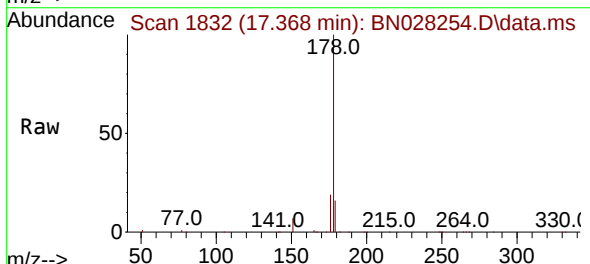
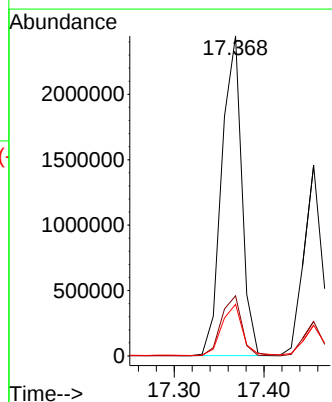
Manual Integrations
APPROVED

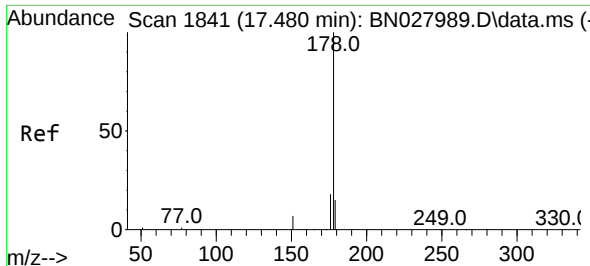
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#25
Phenanthrene
Concen: 63.674 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

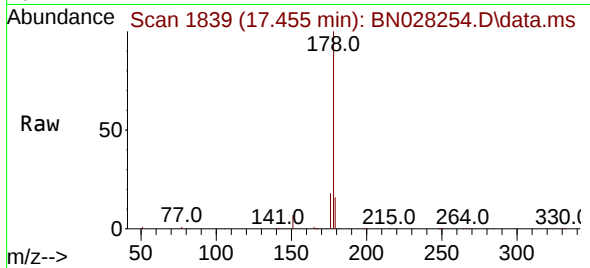
Tgt Ion:178 Resp: 3782452
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.4 12.4 18.6





#26
 Anthracene
 Concen: 37.312 ng
 RT: 17.455 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BN028254.D
 Acq: 12 Oct 2023 04:39

Instrument :
 BNA_N
 ClientSampleId :
 M-2(0-5)

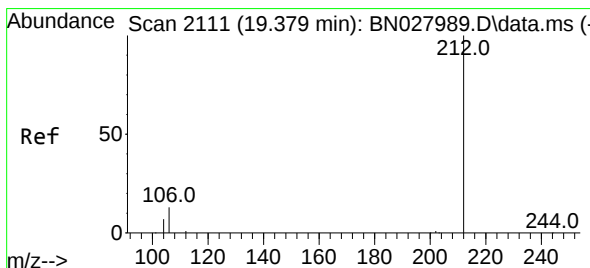
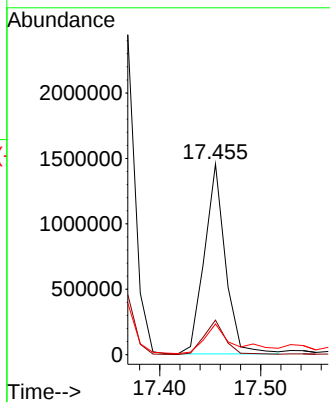
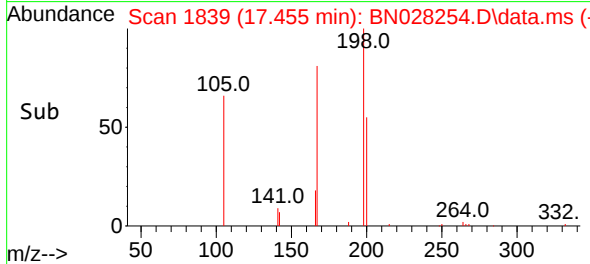


Tgt Ion:178 Resp: 2095017

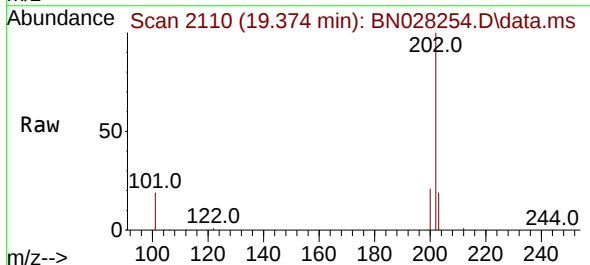
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	22.6	12.2	18.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

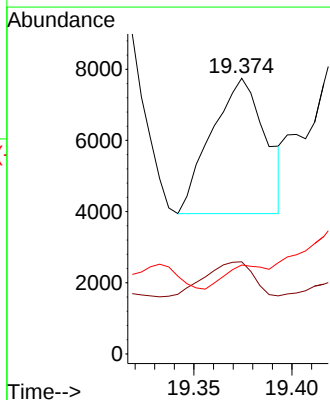
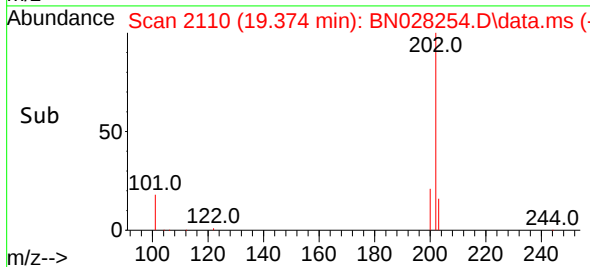


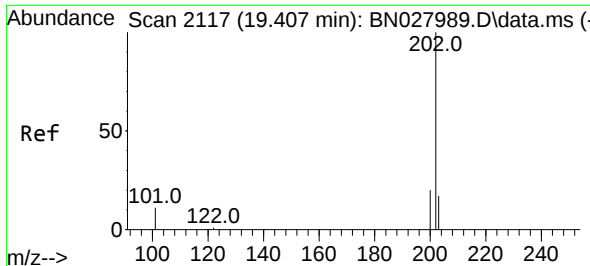
#27
 Fluoranthene-d10
 Concen: 0.131 ng
 RT: 19.374 min Scan# 2110
 Delta R.T. 0.019 min
 Lab File: BN028254.D
 Acq: 12 Oct 2023 04:39



Tgt Ion:212 Resp: 7262

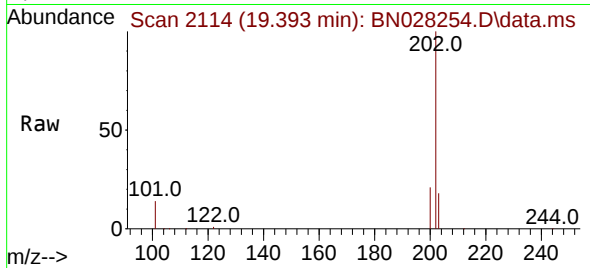
Ion	Ratio	Lower	Upper
212	100		
106	23.1	11.3	16.9#
104	13.8	6.4	9.6#





#28
Fluoranthene
Concen: 87.286 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

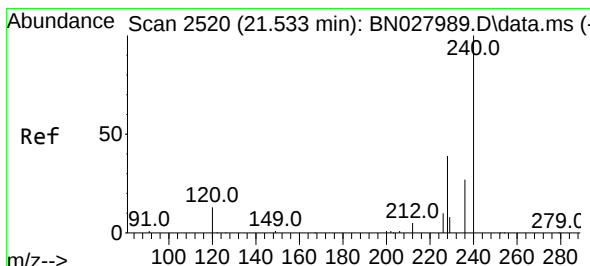
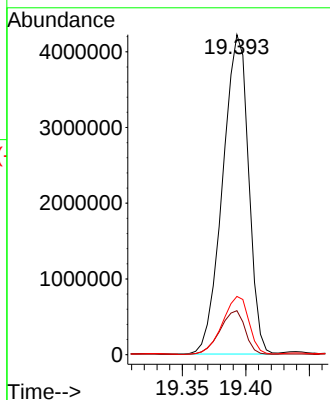
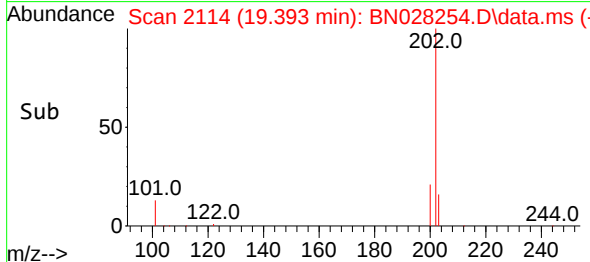
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



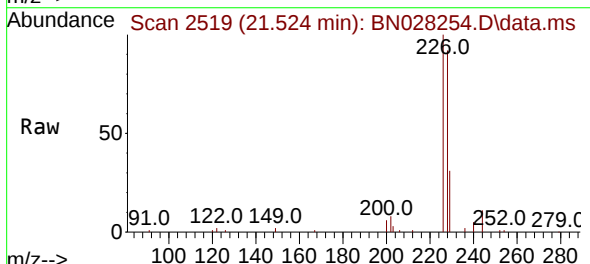
Tgt Ion:202 Resp: 598394
Ion Ratio Lower Upper
202 100
101 13.4 9.8 14.6
203 18.3 13.8 20.8

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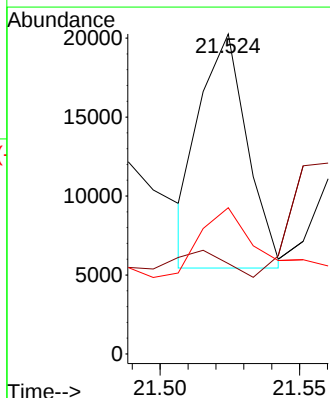
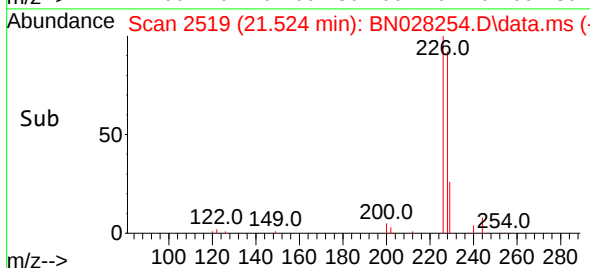
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

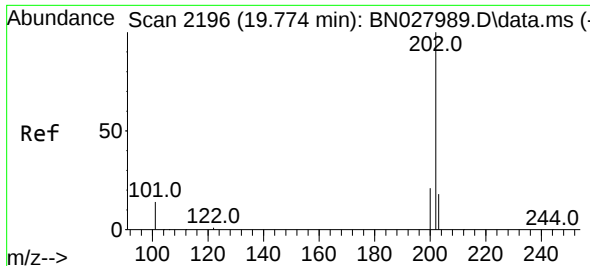


#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39



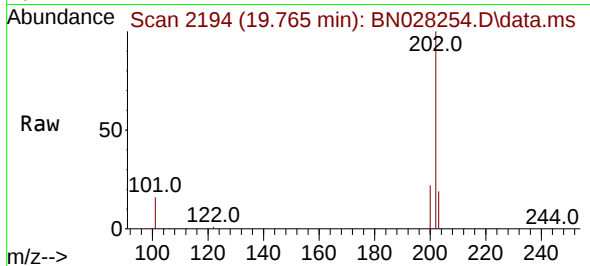
Tgt Ion:240 Resp: 17374
Ion Ratio Lower Upper
240 100
120 28.3 13.8 20.6#
236 45.7 22.6 33.8#





#30
Pyrene
Concen: 115.473 ng
RT: 19.765 min Scan# 2196
Delta R.T. 0.014 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

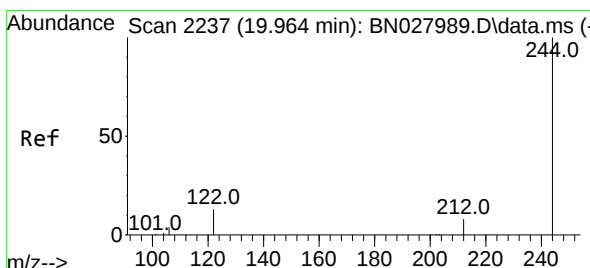
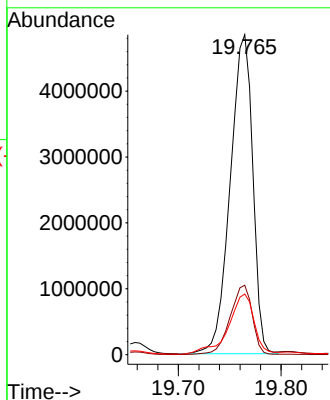
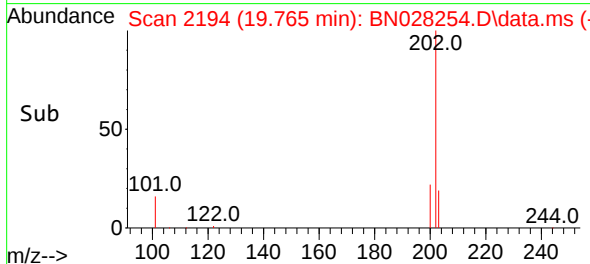
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:202 Resp: 735665
Ion Ratio Lower Upper
202 100
200 21.3 16.5 24.7
203 21.3 14.7 22.1

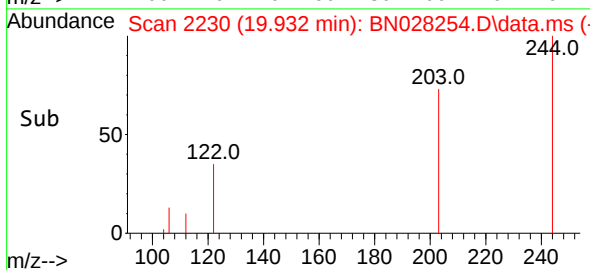
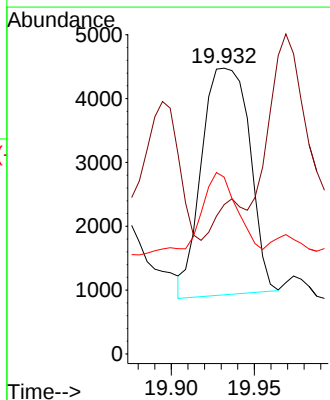
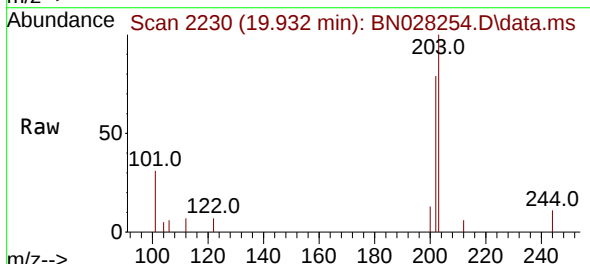
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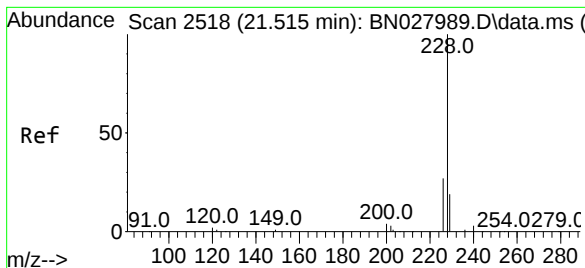
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#31
Terphenyl-d14
Concen: 0.176 ng
RT: 19.932 min Scan# 2230
Delta R.T. -0.009 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:244 Resp: 7139
Ion Ratio Lower Upper
244 100
212 52.3 6.6 9.8#
122 61.9 11.4 17.0#





#32

Benzo(a)anthracene

Concen: 67.216 ng

RT: 21.506 min Scan# 21506

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

Instrument :

BNA_N

ClientSampleId :

M-2(0-5)

Tgt Ion:228 Resp: 397386

Ion Ratio Lower Upper

228 100

226 31.8 22.0 33.0

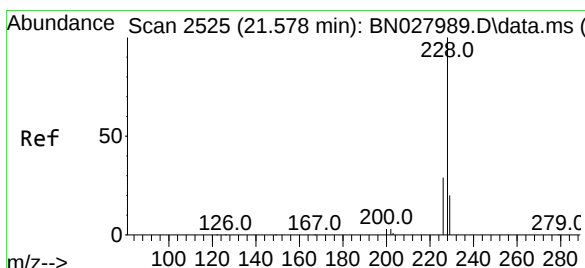
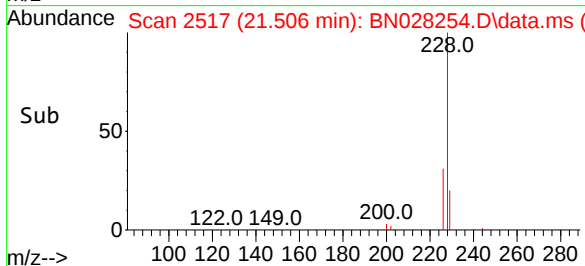
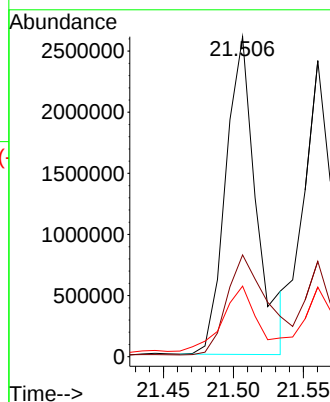
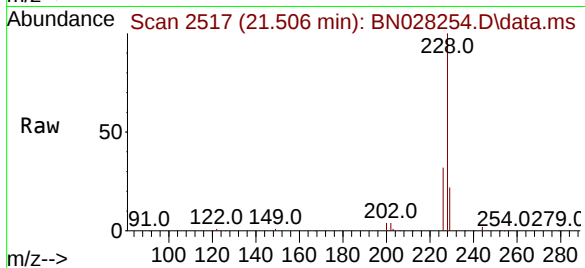
229 22.0 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#33

Chrysene

Concen: 57.291 ng

RT: 21.560 min Scan# 2523

Delta R.T. 0.009 min

Lab File: BN028254.D

Acq: 12 Oct 2023 04:39

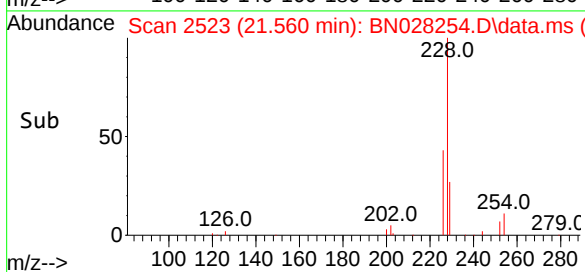
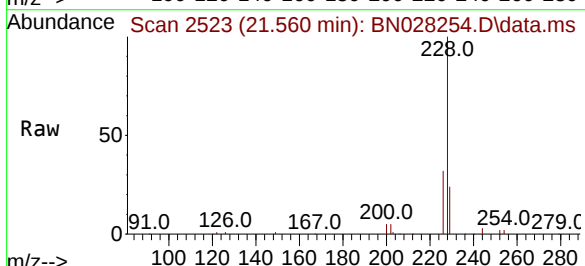
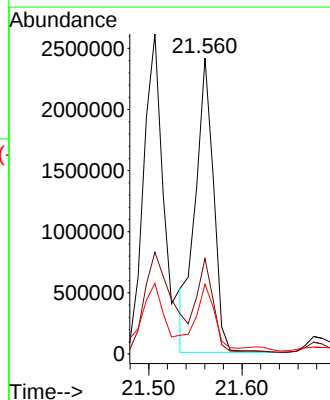
Tgt Ion:228 Resp: 3264114

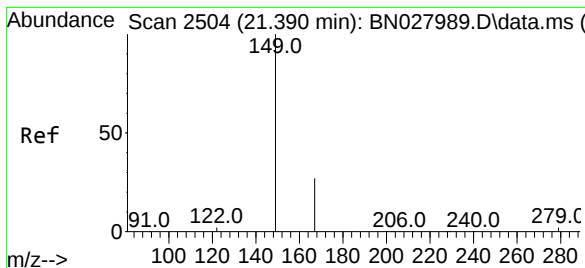
Ion Ratio Lower Upper

228 100

226 32.2 23.8 35.8

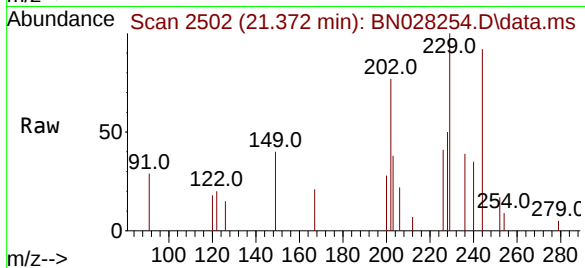
229 23.5 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.185 ng
RT: 21.372 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

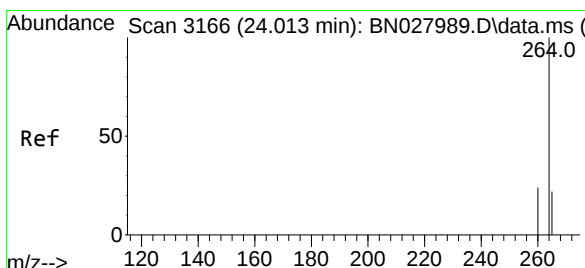
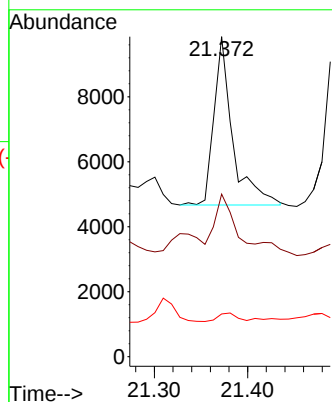
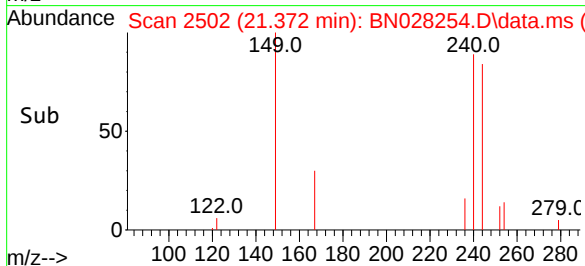
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



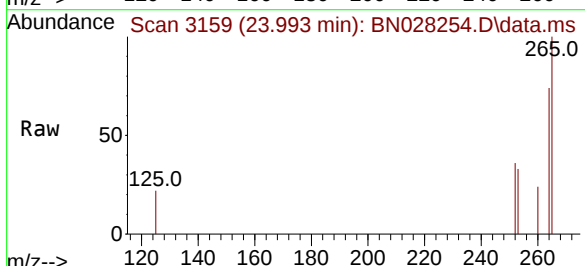
Tgt Ion:149 Resp: 7183
Ion Ratio Lower Upper
149 100
167 36.3 22.1 33.1#
279 5.0 3.4 5.0

Manual Integrations
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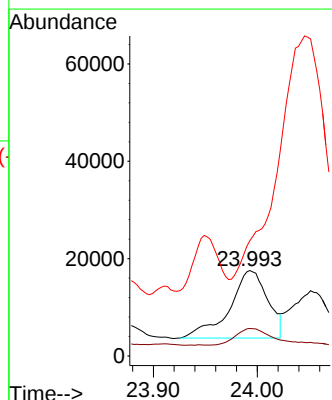
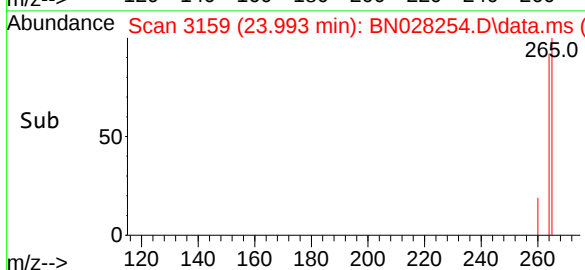
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

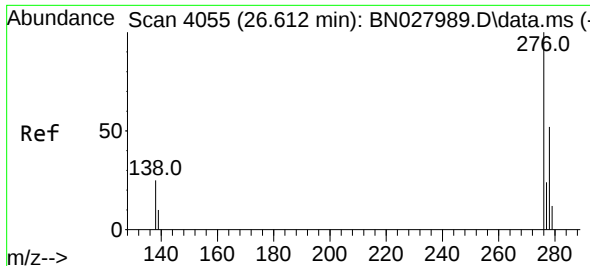


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.993 min Scan# 3159
Delta R.T. 0.018 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39



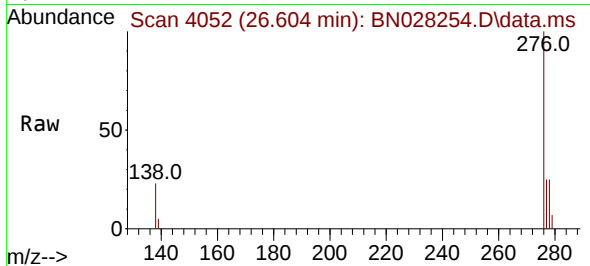
Tgt Ion:264 Resp: 35478
Ion Ratio Lower Upper
264 100
260 32.3 20.2 30.4#
265 135.0 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 14.328 ng
RT: 26.604 min Scan# 4055
Delta R.T. 0.047 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

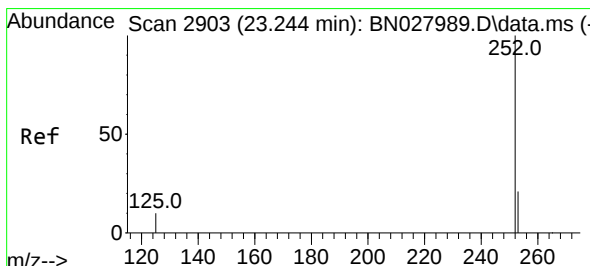
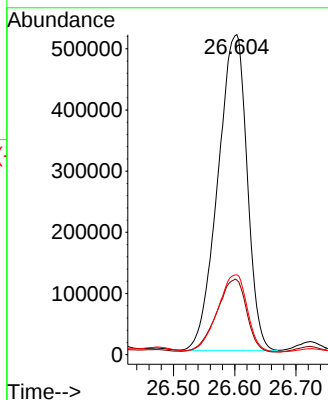
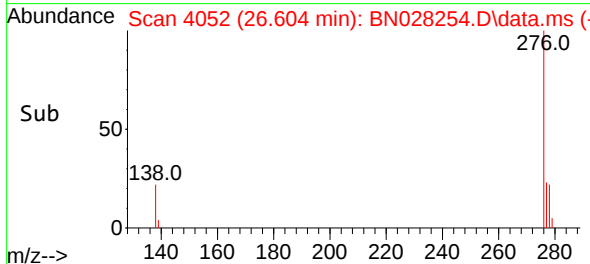
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:276 Resp: 1709824
Ion Ratio Lower Upper
276 100
138 23.6 20.9 31.3
277 24.8 19.8 29.6

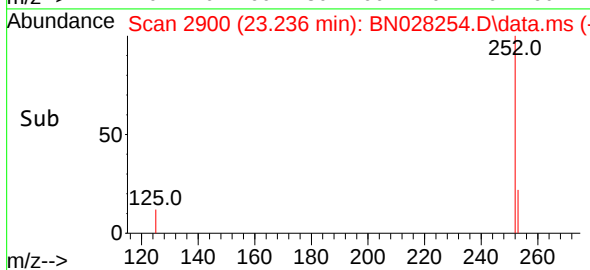
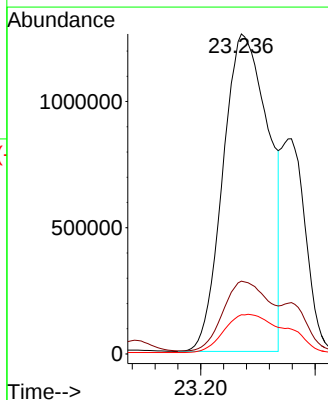
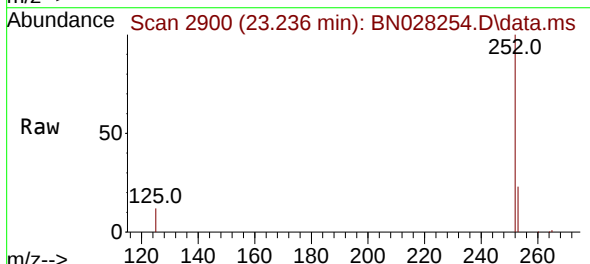
Manual Integrations
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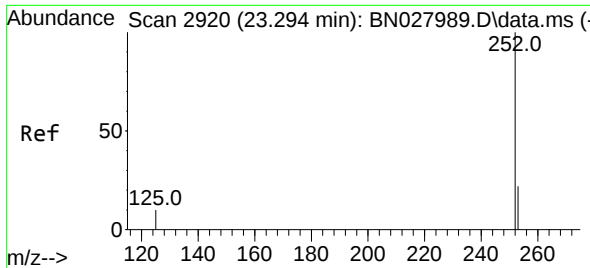
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#37
Benzo(b)fluoranthene
Concen: 30.361 ng
RT: 23.236 min Scan# 2900
Delta R.T. 0.023 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

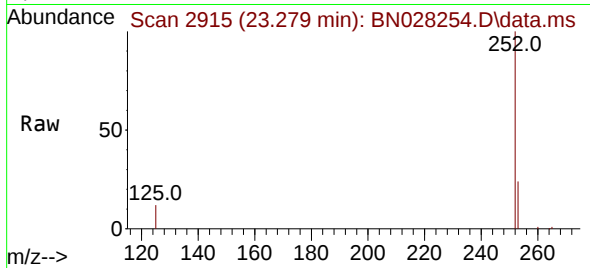
Tgt Ion:252 Resp: 3478835
Ion Ratio Lower Upper
252 100
253 22.7 22.9 34.3#
125 12.3 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 10.975 ng m
RT: 23.279 min Scan# 2915
Delta R.T. 0.018 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

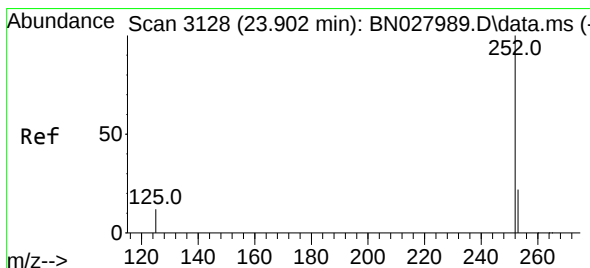
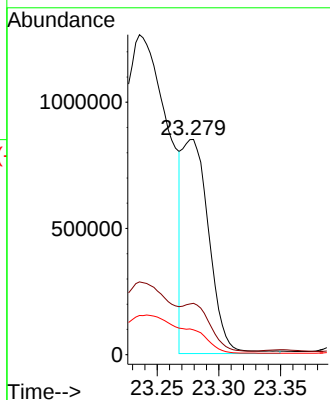
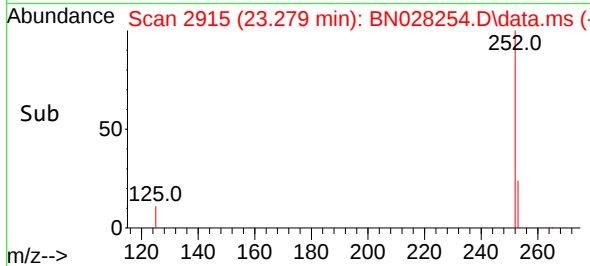
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



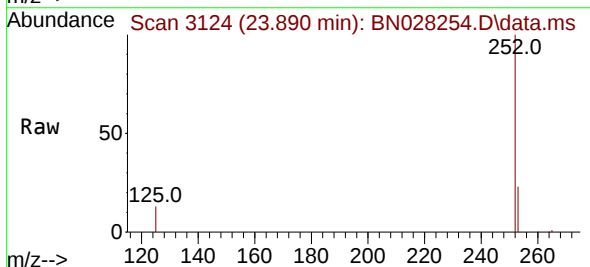
Tgt Ion:252 Resp: 1275504
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 11.6 13.8 20.8

Manual Integrations
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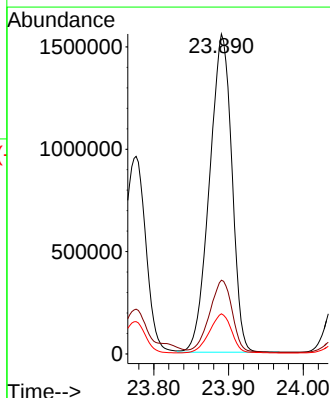
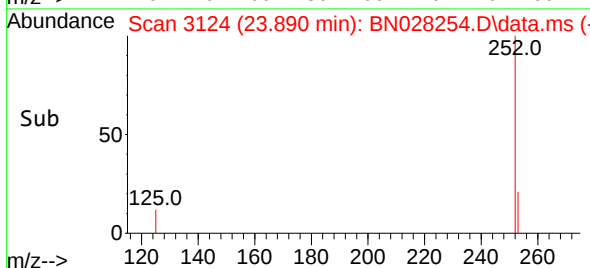
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

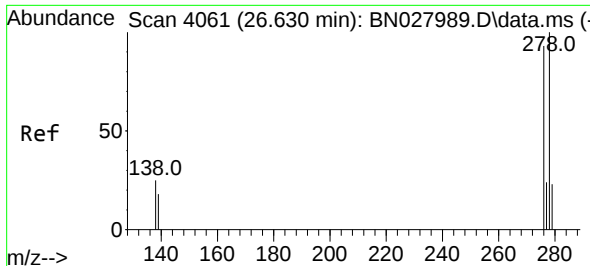


#39
Benzo(a)pyrene
Concen: 29.765 ng m
RT: 23.890 min Scan# 3124
Delta R.T. 0.026 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39



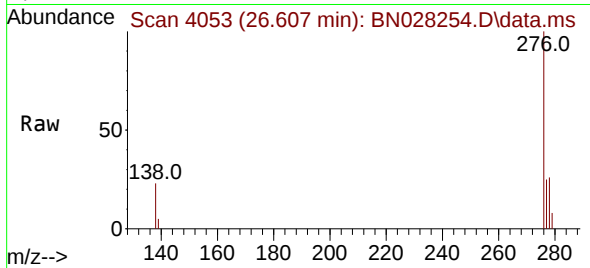
Tgt Ion:252 Resp: 3224895
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.4#
125 12.5 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 5.296 ng
RT: 26.607 min Scan# 4061
Delta R.T. 0.029 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

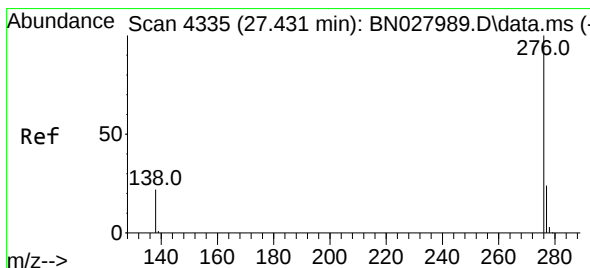
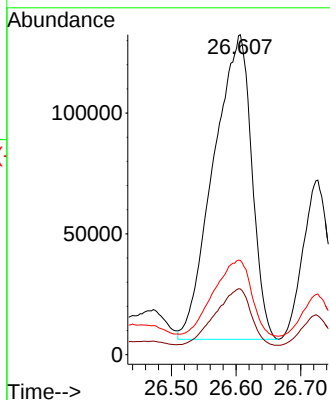
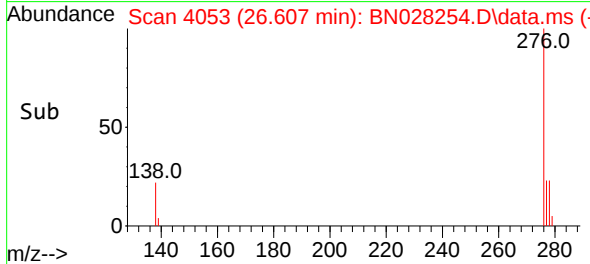
Instrument :
BNA_N
ClientSampleId :
M-2(0-5)



Tgt Ion:278 Resp: 516982
Ion Ratio Lower Upper
278 100
139 20.6 17.7 26.5
279 29.4 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#41
Benzo(g,h,i)perylene
Concen: 17.892 ng
RT: 27.422 min Scan# 4332
Delta R.T. 0.056 min
Lab File: BN028254.D
Acq: 12 Oct 2023 04:39

Tgt Ion:276 Resp: 1792810
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 23.7 20.8 31.2

