

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028394.D
 Acq On : 25 Oct 2023 03:14
 Operator : MA/JU
 Sample : 04938-15 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 25 04:29:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	3731	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	12803	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	7116	0.400	ng	-0.01
19) Phenanthrene-d10	17.294	188	10774	0.400	ng	# 0.00
29) Chrysene-d12	21.506	240	9434	0.400	ng	# 0.02
35) Perylene-d12	23.966	264	15231	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.415	112	479	0.041	ng	-0.01
5) Phenol-d6	7.055	99	564	0.040	ng	0.00
8) Nitrobenzene-d5	9.080	82	422	0.037	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	742	0.039	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	133	0.038	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	930	0.037	ng	-0.02
27) Fluoranthene-d10	19.365	212	1812	0.063	ng	0.04
31) Terphenyl-d14	19.895	244	10492	0.524	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.735	128	307630	9.263	ng	97
12) 2-Methylnaphthalene	12.343	142	92735	3.930	ng	99
16) Acenaphthylene	14.256	152	153291	4.794	ng	99
17) Acenaphthene	14.587	154	1043796	51.805	ng	98
18) Fluorene	15.568	166	1025607	38.669	ng	97
25) Phenanthrene	17.356	178	14810075	502.178	ng	98
26) Anthracene	17.430	178	3876373	137.619	ng	# 93
28) Fluoranthene	19.384	202	22566893	609.090	ng	96
30) Pyrene	19.751	202	21139363	654.846	ng	# 79
32) Benzo(a)anthracene	21.488	228	13228684	394.719	ng	97
33) Chrysene	21.551	228	11246607	350.620	ng	96
34) Bis(2-ethylhexyl)phtha...	21.345	149	15837	0.619	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.609	276	10047761	163.629	ng	96
37) Benzo(b)fluoranthene	23.233	252	18202100	382.333	ng	# 89
38) Benzo(k)fluoranthene	23.273	252	6887199m	142.209	ng	
39) Benzo(a)pyrene	23.890	252	13560280	286.330	ng	# 88
40) Dibenzo(a,h)anthracene	26.598	278	2217921	44.491	ng	95
41) Benzo(g,h,i)perylene	27.428	276	9702632	188.511	ng	97

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

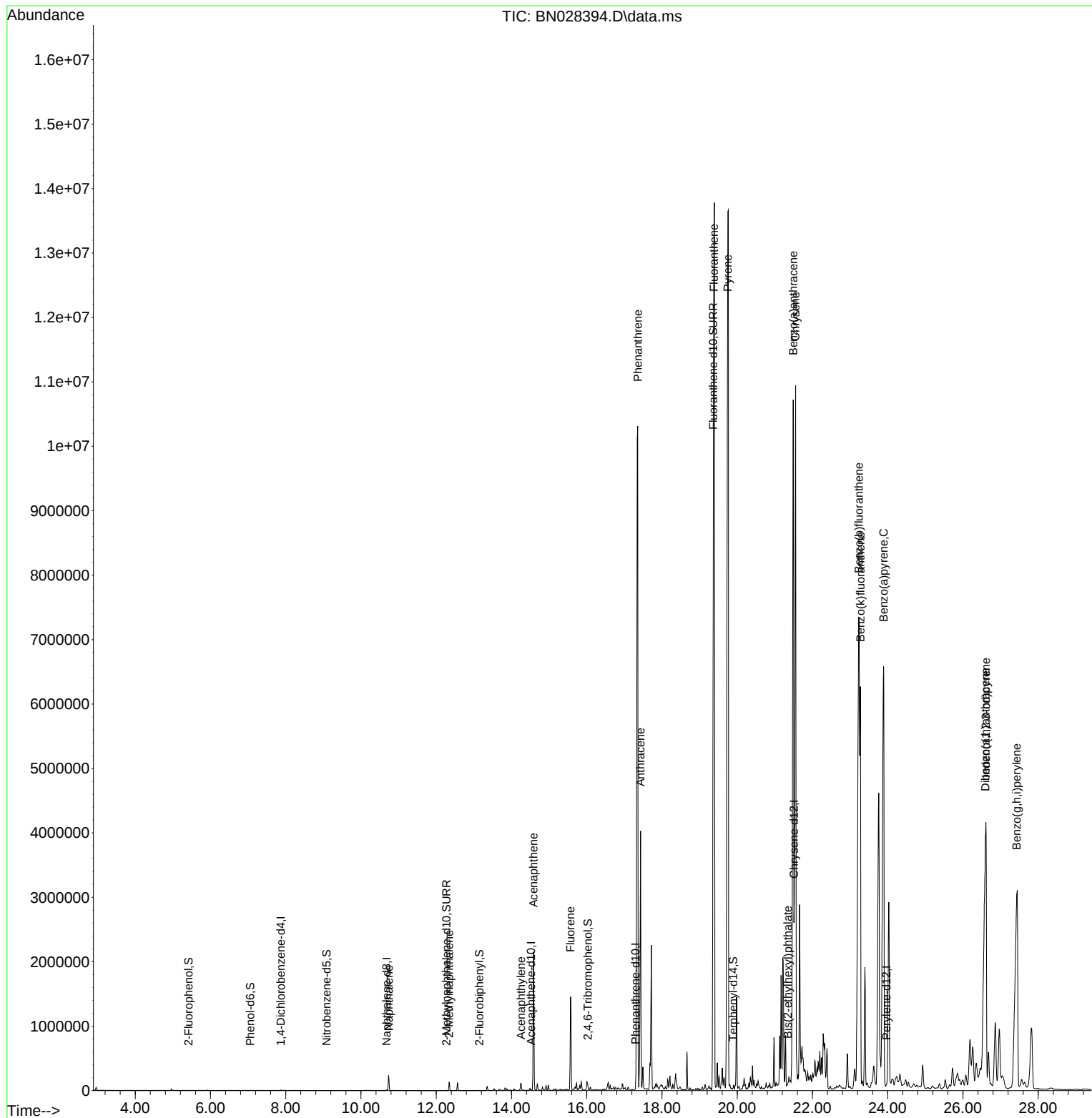
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
Data File : BN028394.D
Acq On : 25 Oct 2023 03:14
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ALS Vial : 23 Sample Multiplier: 1

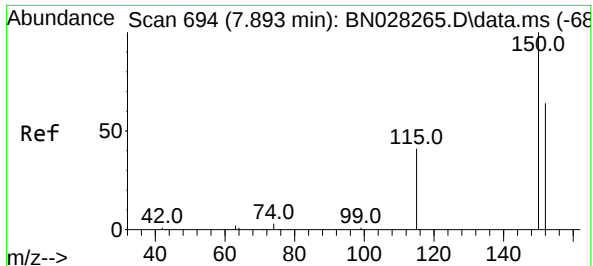
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)

Quant Time: Oct 25 04:29:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:14:08 2023
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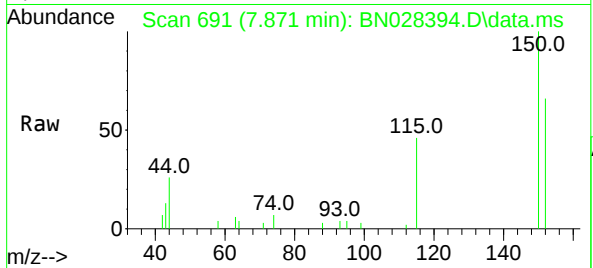
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

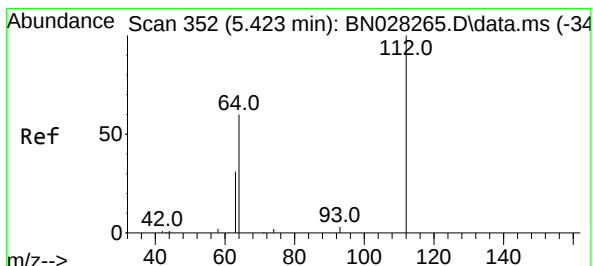
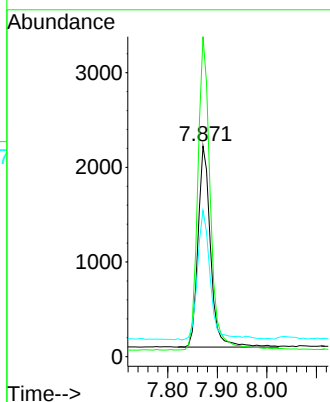
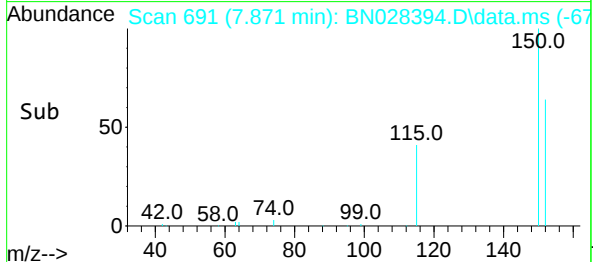
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:152 Resp: 373
Ion Ratio Lower Upper
152 100
150 151.9 121.6 182.4
115 69.5 54.3 81.5

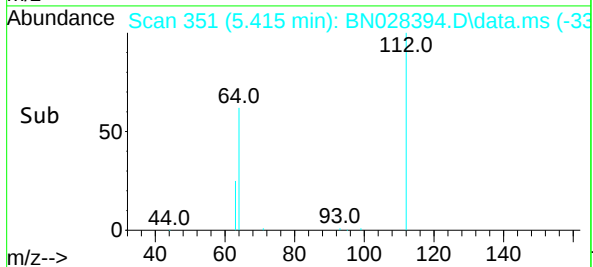
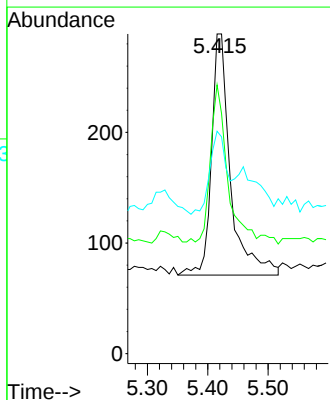
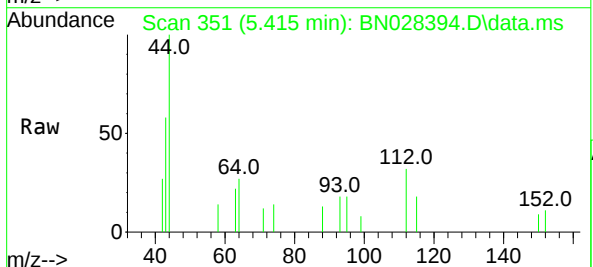
Manual Integrations
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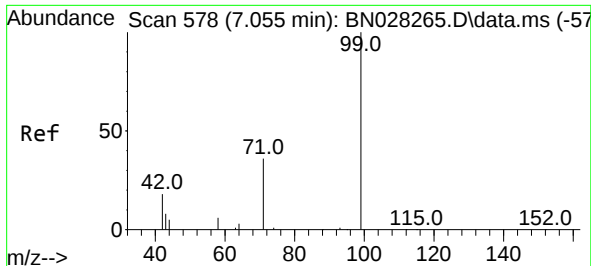
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#4
2-Fluorophenol
Concen: 0.041 ng
RT: 5.415 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

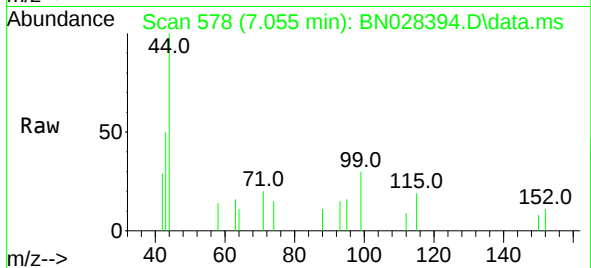
Tgt Ion:112 Resp: 479
Ion Ratio Lower Upper
112 100
64 57.0 46.9 70.3
63 29.2 25.0 37.4





#5
Phenol-d6
Concen: 0.040 ng
RT: 7.055 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

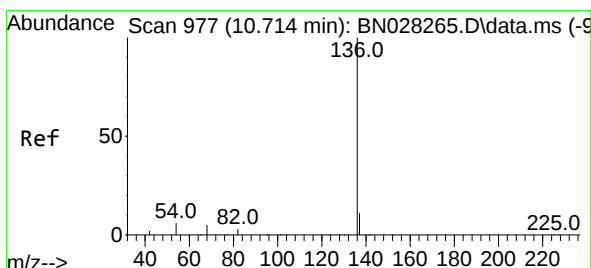
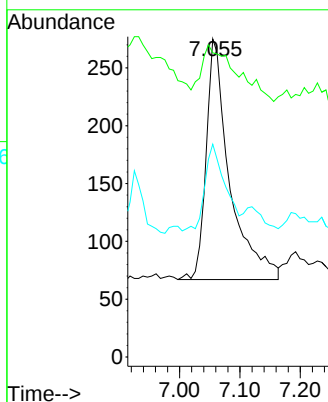
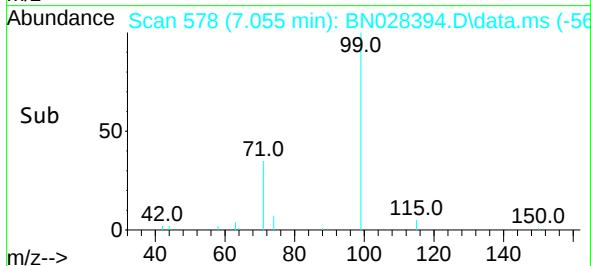
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



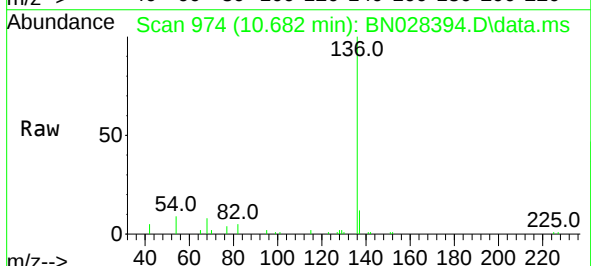
Tgt Ion: 99 Resp: 564
Ion Ratio Lower Upper
99 100
42 35.1 15.9 23.9
71 31.6 28.6 42.8

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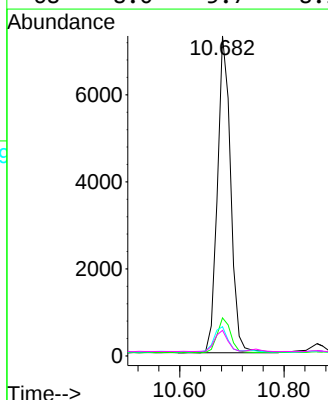
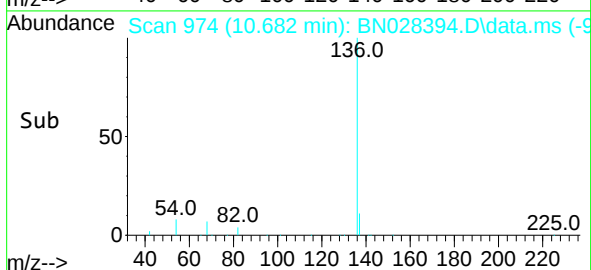
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

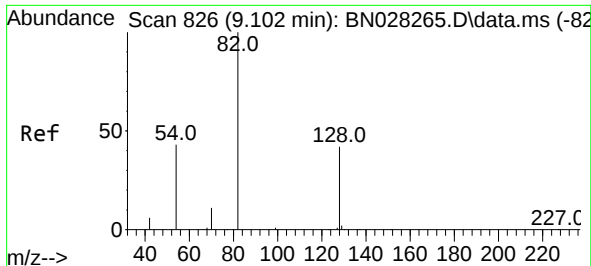


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14



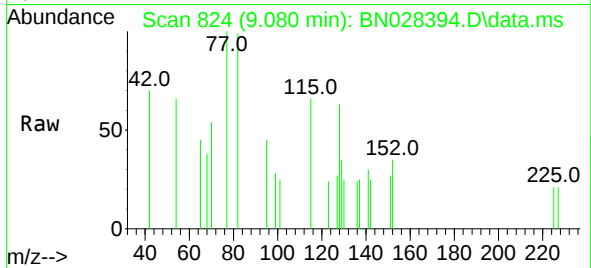
Tgt Ion:136 Resp: 12803
Ion Ratio Lower Upper
136 100
137 11.9 9.8 14.8
54 9.1 6.2 9.4
68 8.0 5.7 8.5





#8
Nitrobenzene-d5
Concen: 0.037 ng
RT: 9.080 min Scan# 801
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

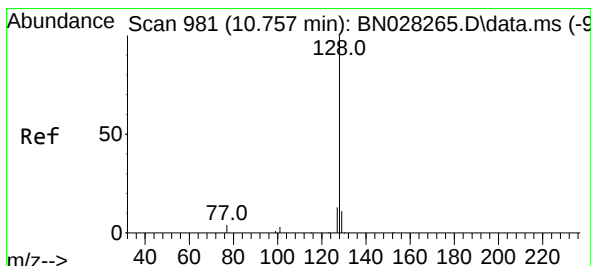
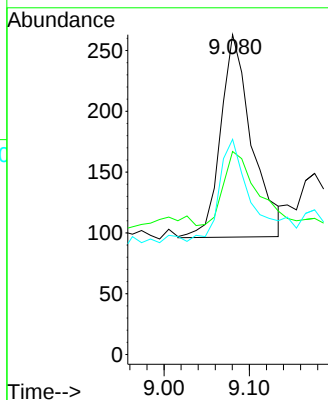
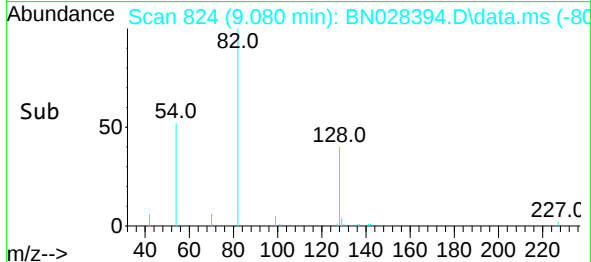
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion: 82 Resp: 42
Ion Ratio Lower Upper
82 100
128 63.5 36.8 55.2
54 67.3 37.4 56.2

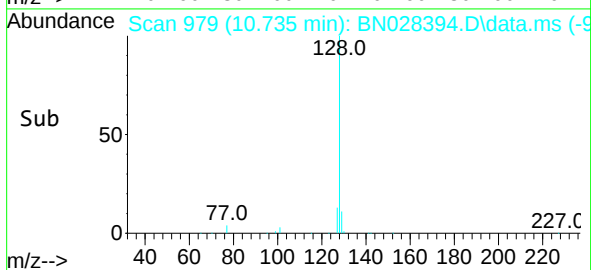
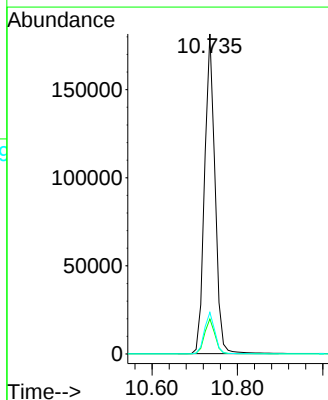
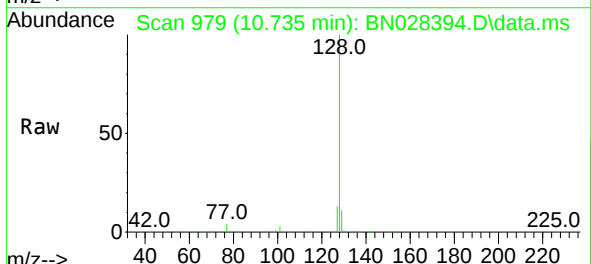
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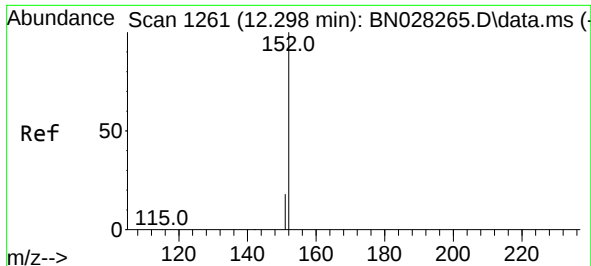
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 9.263 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

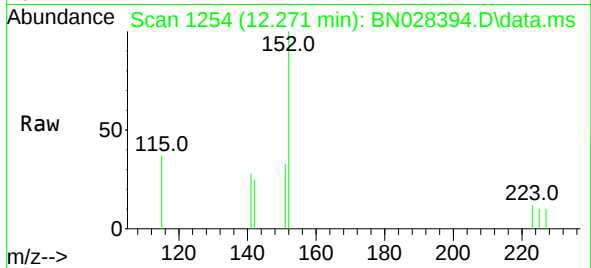
Tgt Ion:128 Resp: 307630
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.0 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.039 ng
RT: 12.271 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

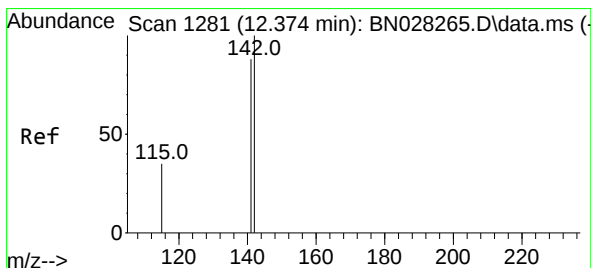
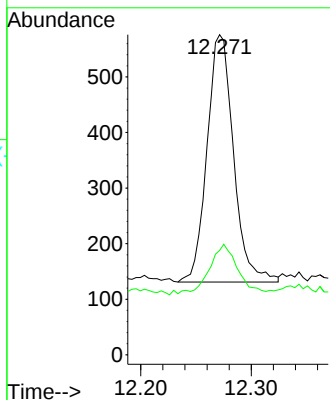
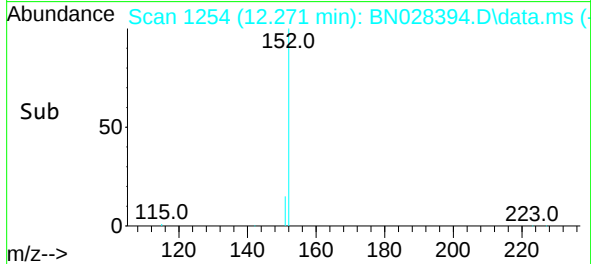
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:152 Resp: 74
Ion Ratio Lower Upper
152 100
151 22.4 16.1 24.1

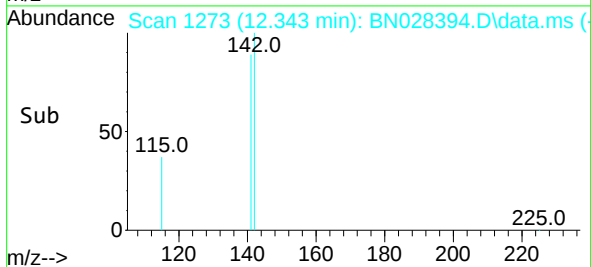
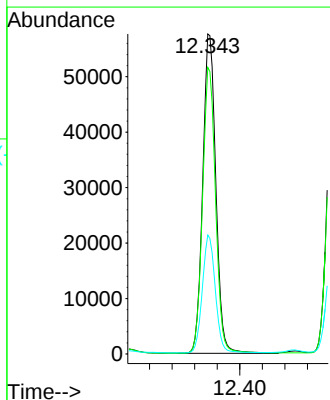
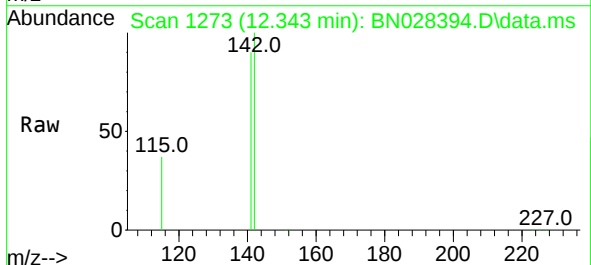
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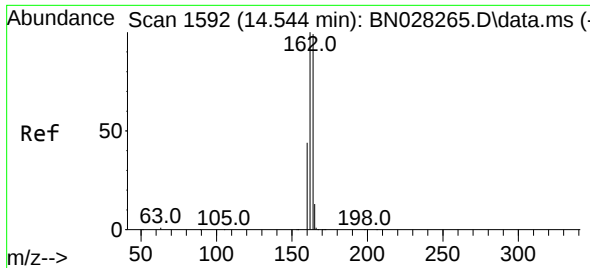
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#12
2-Methylnaphthalene
Concen: 3.930 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

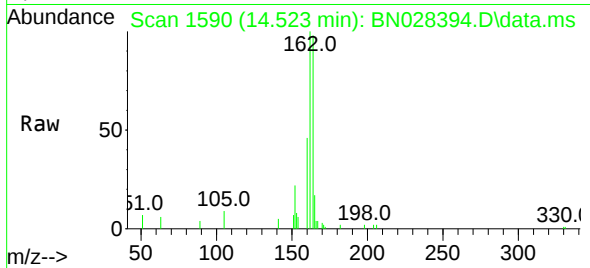
Tgt Ion:142 Resp: 92735
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7
115 37.2 29.9 44.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 1590
Delta R.T. -0.011 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

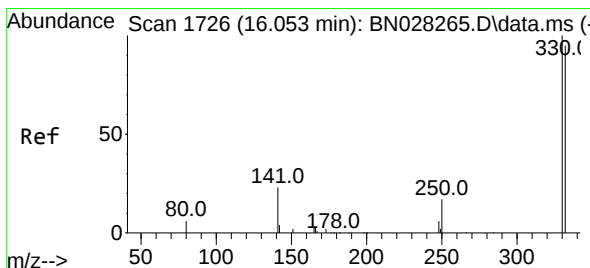
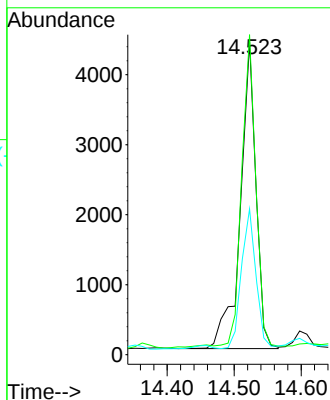
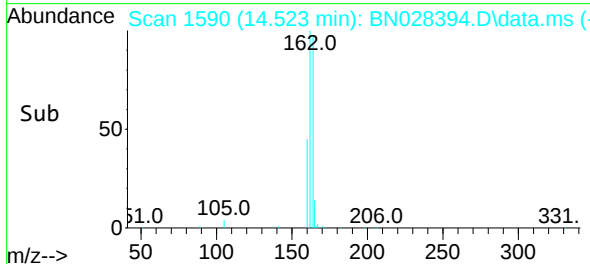
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



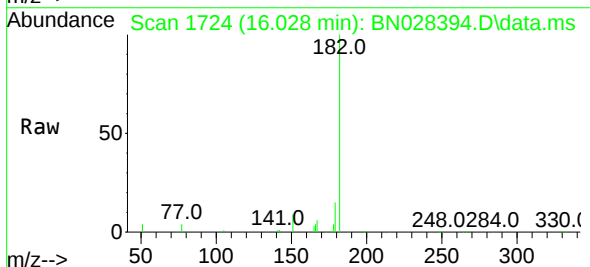
Tgt Ion:164 Resp: 7110
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 46.6 36.6 54.8

Manual Integrations
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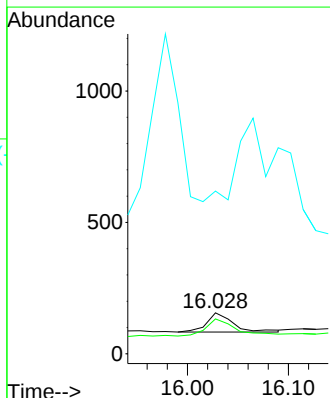
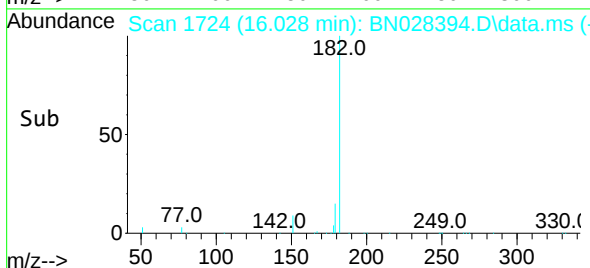
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

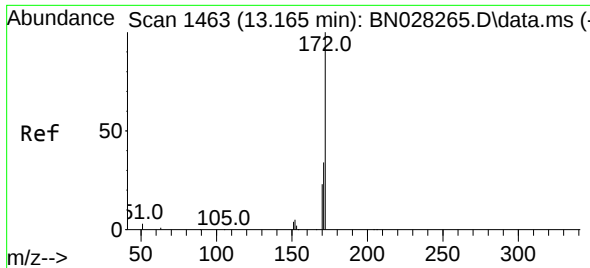


#14
2,4,6-Tribromophenol
Concen: 0.038 ng
RT: 16.028 min Scan# 1724
Delta R.T. -0.037 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14



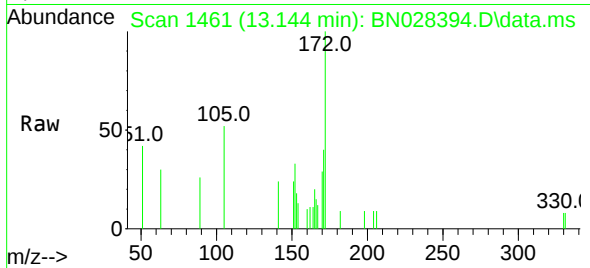
Tgt Ion:330 Resp: 133
Ion Ratio Lower Upper
330 100
332 105.3 74.1 111.1
141 0.0 32.1 48.1#





#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.144 min Scan# 1463
Delta R.T. -0.021 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

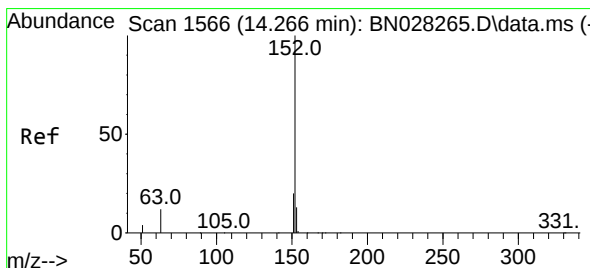
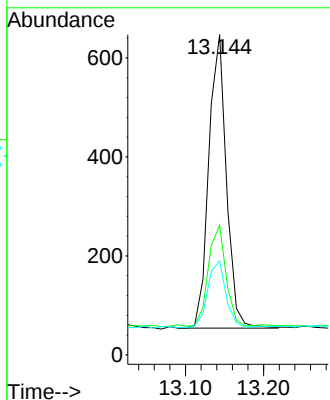
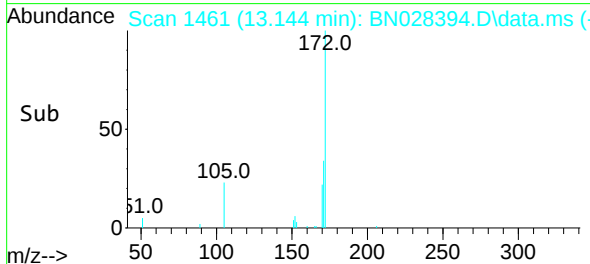
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:172 Resp: 930
Ion Ratio Lower Upper
172 100
171 40.5 28.3 42.5
170 29.4 18.7 28.1

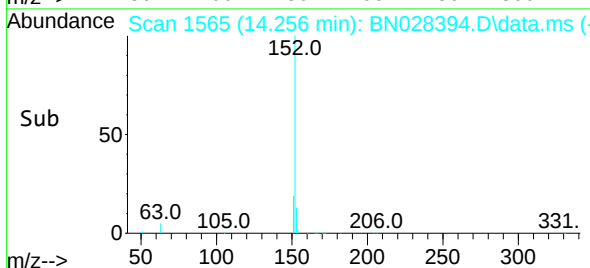
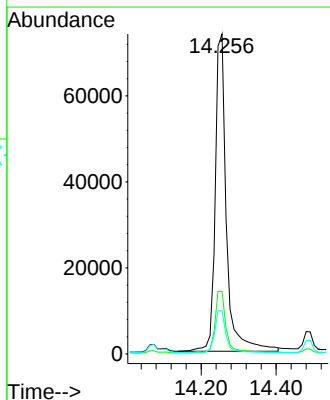
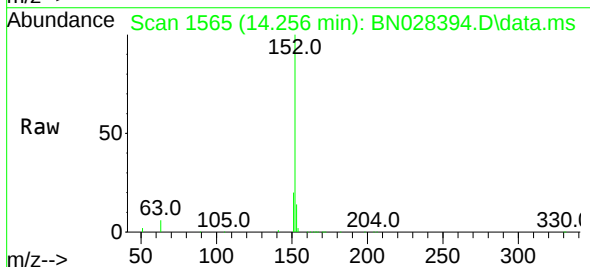
Manual Integrations
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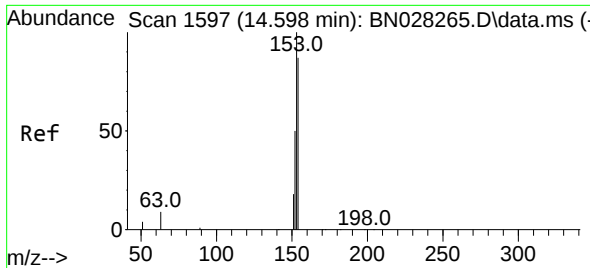
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#16
Acenaphthylene
Concen: 4.794 ng
RT: 14.256 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

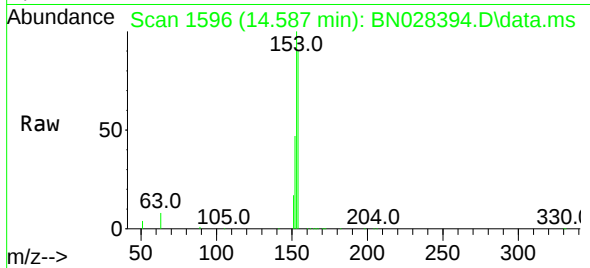
Tgt Ion:152 Resp: 153291
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 13.9 10.6 16.0





#17
Acenaphthene
Concen: 51.805 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

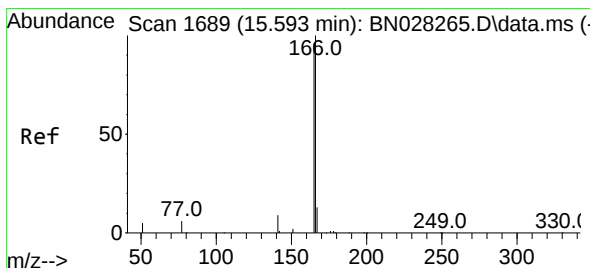
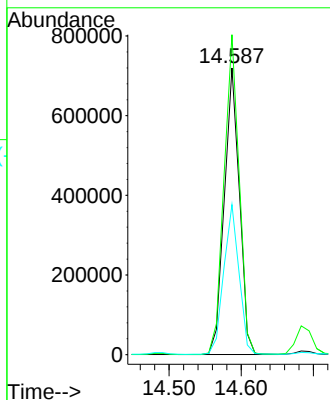
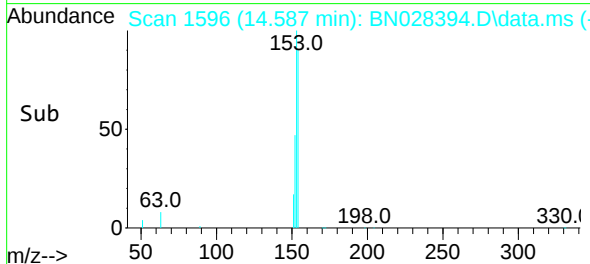
Instrument :
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ClientSampleId :
A-8(0-2)



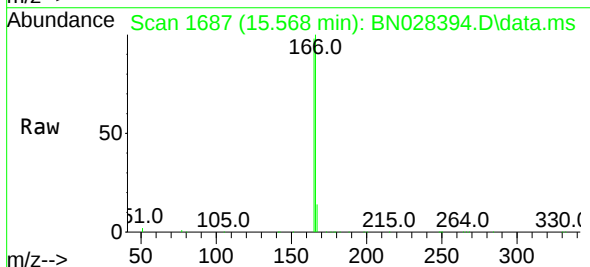
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Ion Ratio Lower Upper
154 100
153 112.1 90.7 136.1
152 52.6 43.6 65.4

Manual Integrations
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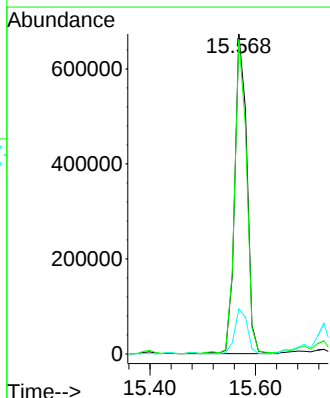
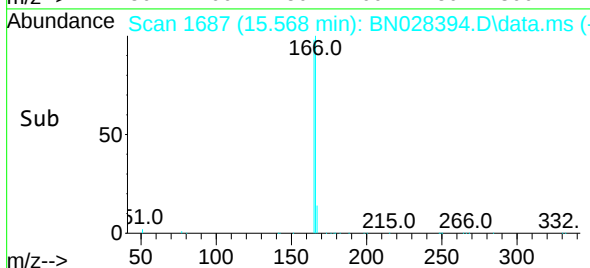
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

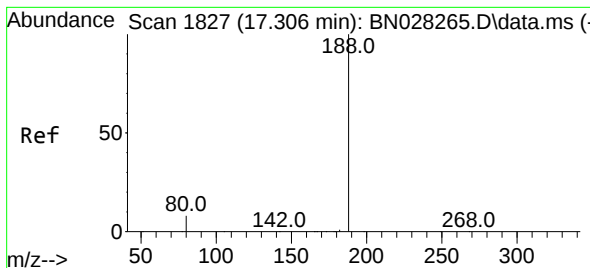


#18
Fluorene
Concen: 38.669 ng
RT: 15.568 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14



Tgt Ion:166 Resp: 1025607
Ion Ratio Lower Upper
166 100
165 96.7 79.3 118.9
167 15.1 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.294 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

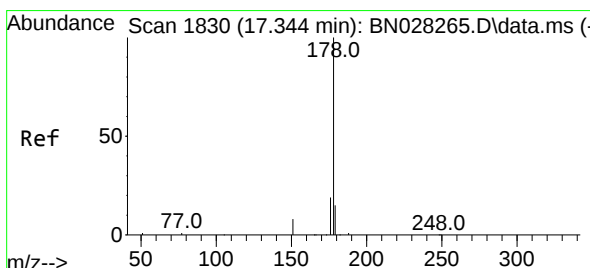
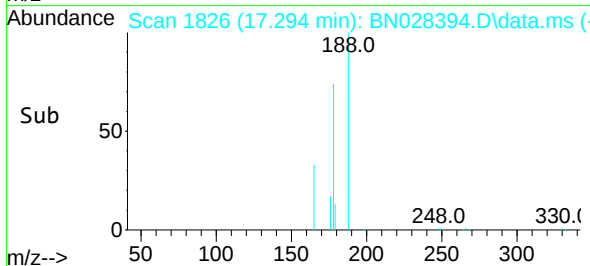
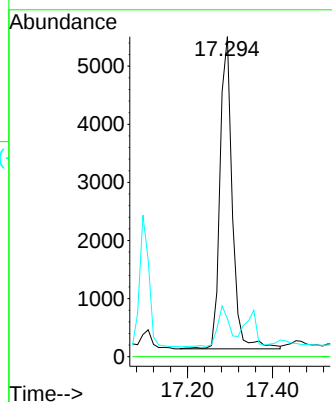
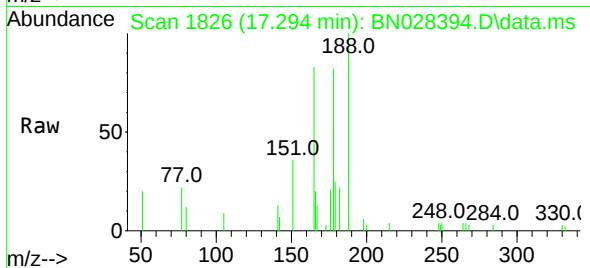
ClientSampleId :

A-8(0-2)

Tgt Ion:188 Resp: 10774
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.9 7.1 10.7

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Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#25

Phenanthrene

Concen: 502.178 ng

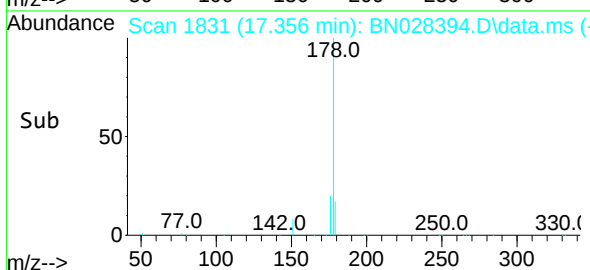
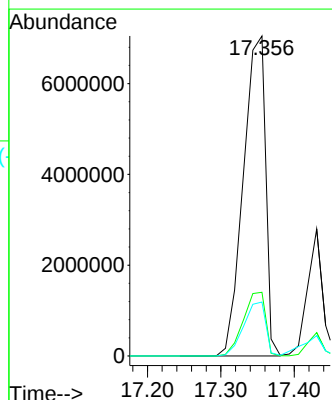
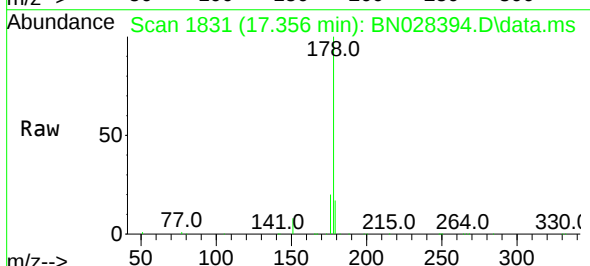
RT: 17.356 min Scan# 1831

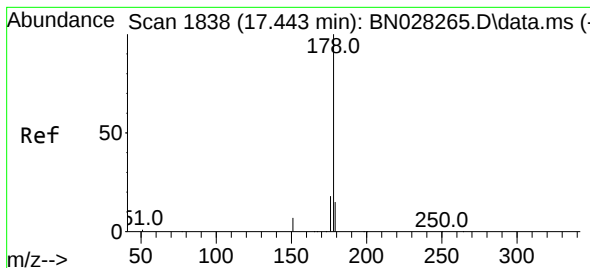
Delta R.T. 0.025 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

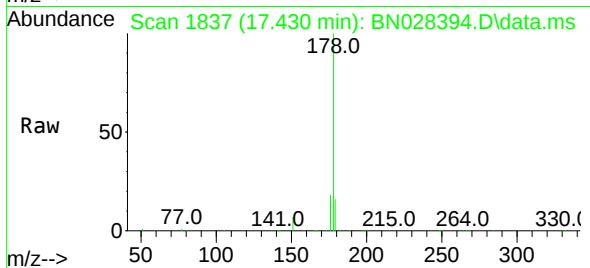
Tgt Ion:178 Resp:14810075
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.3 22.9
 179 16.7 12.5 18.7





#26
 Anthracene
 Concen: 137.619 ng
 RT: 17.430 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

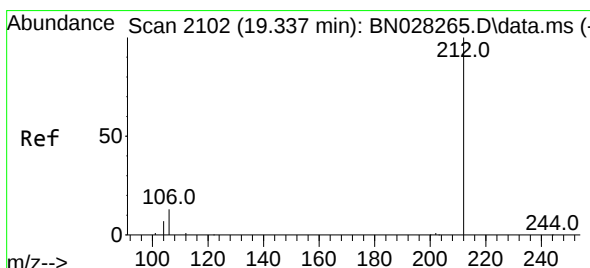
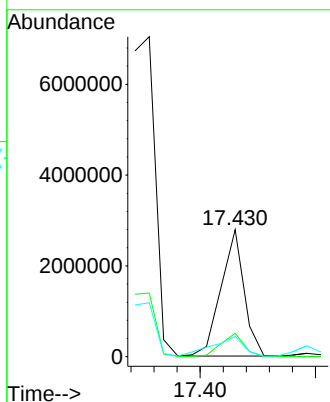
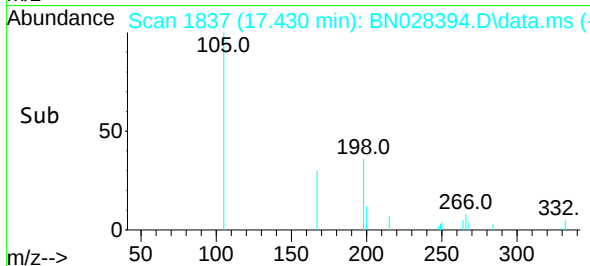
Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)



Tgt Ion:178 Resp: 387637
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 21.3 12.2 18.4

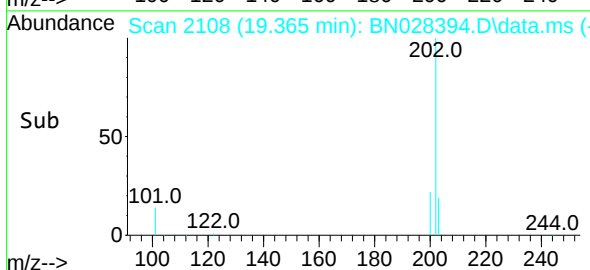
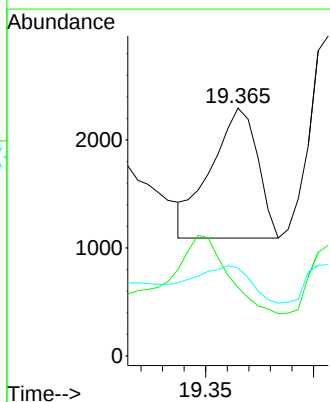
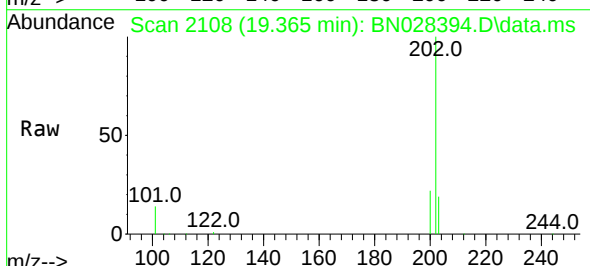
Manual Integrations
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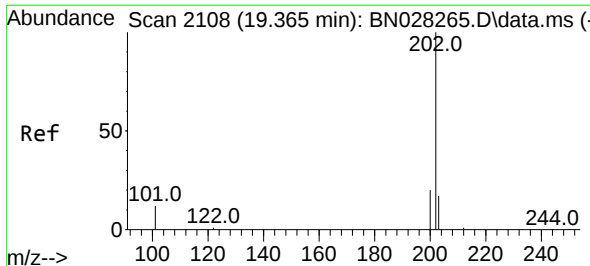
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.063 ng
 RT: 19.365 min Scan# 2108
 Delta R.T. 0.037 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

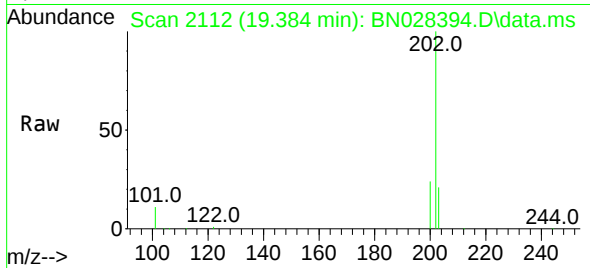
Tgt Ion:212 Resp: 1812
 Ion Ratio Lower Upper
 212 100
 106 73.1 11.5 17.3#
 104 35.7 6.7 10.1#





#28
Fluoranthene
Concen: 609.090 ng
RT: 19.384 min Scan# 2112
Delta R.T. 0.028 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

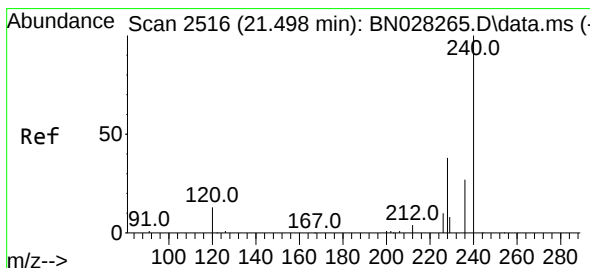
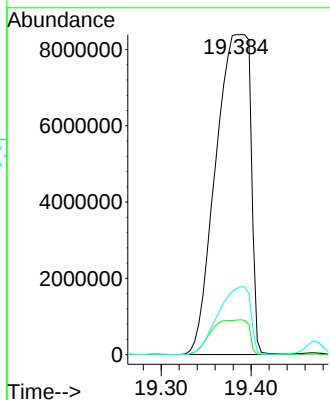
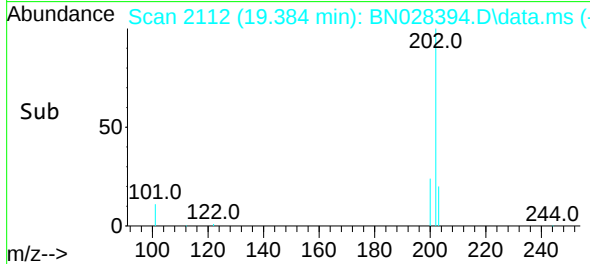
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:202 Resp:2256689
Ion Ratio Lower Upper
202 100
101 11.8 10.1 15.1
203 19.7 13.9 20.9

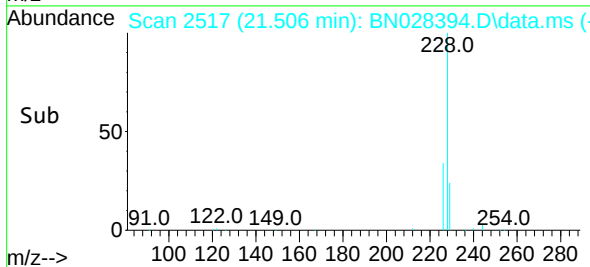
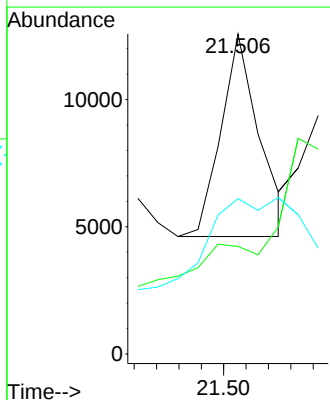
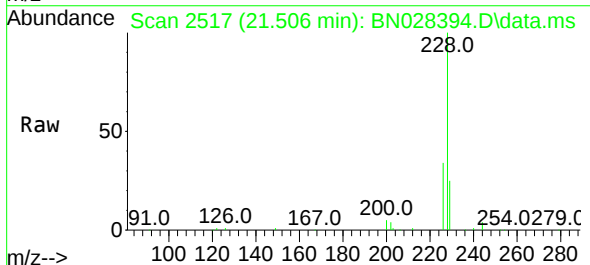
Manual Integrations
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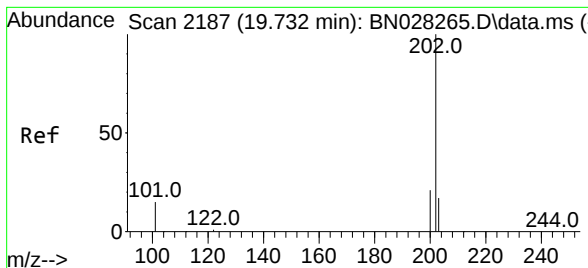
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.506 min Scan# 2517
Delta R.T. 0.018 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:240 Resp: 9434
Ion Ratio Lower Upper
240 100
120 33.6 13.4 20.0#
236 48.6 22.7 34.1#





#30

Pyrene

Concen: 654.846 ng

RT: 19.751 min Scan# 2113

Delta R.T. 0.023 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

Instrument :

BNA_N

ClientSampleId :

A-8(0-2)

Tgt Ion:202 Resp:2113936

Ion Ratio Lower Upper

202 100

200 23.1 16.7 25.1

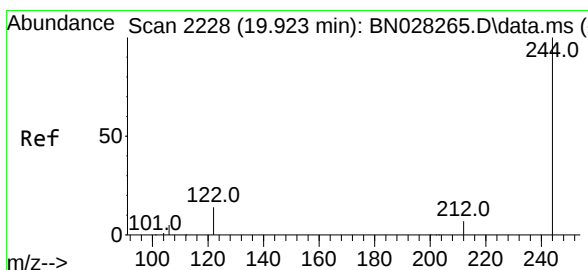
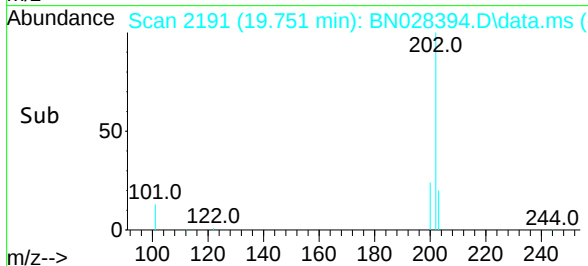
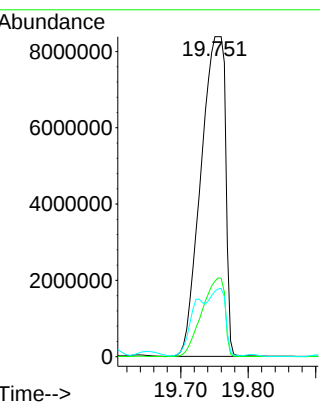
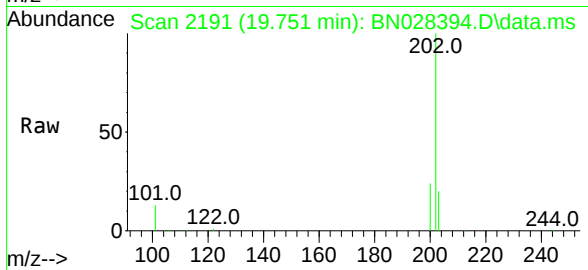
203 0.0 14.5 21.7

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Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#31

Terphenyl-d14

Concen: 0.524 ng

RT: 19.895 min Scan# 2222

Delta R.T. -0.023 min

Lab File: BN028394.D

Acq: 25 Oct 2023 03:14

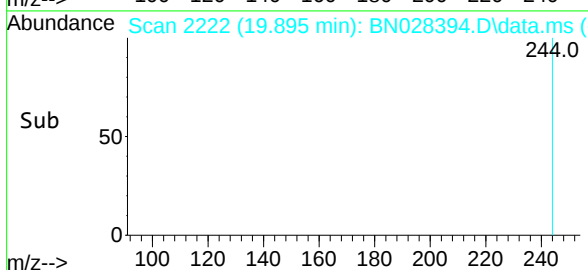
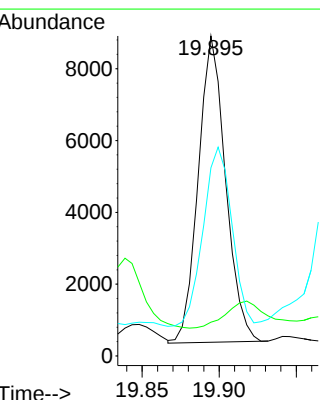
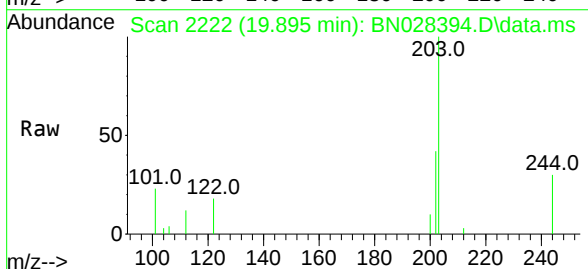
Tgt Ion:244 Resp: 10492

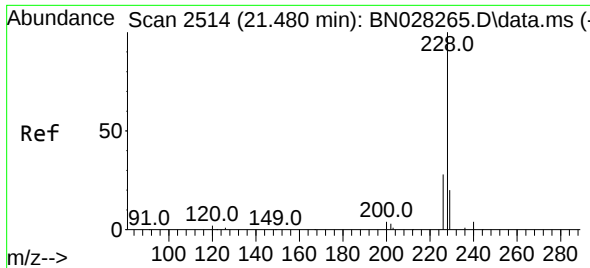
Ion Ratio Lower Upper

244 100

212 10.6 6.6 10.0#

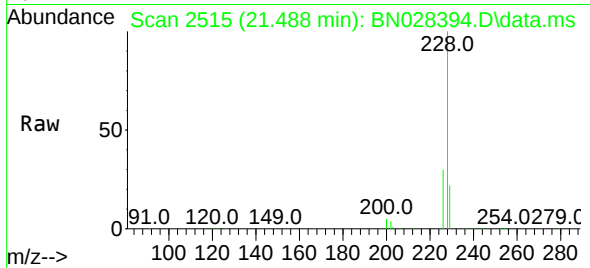
122 58.8 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 394.719 ng
RT: 21.488 min Scan# 2148
Delta R.T. 0.018 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

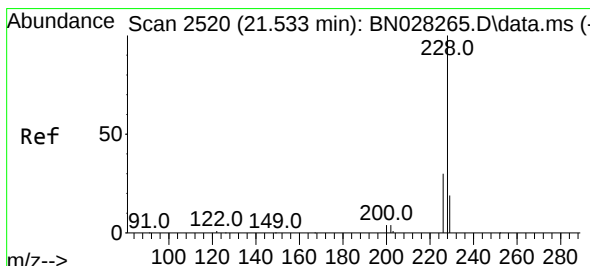
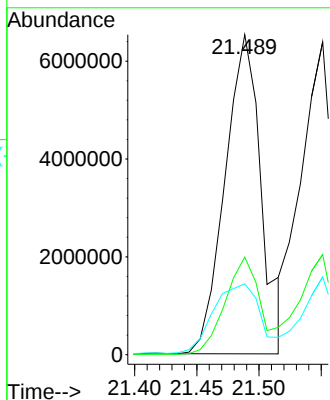
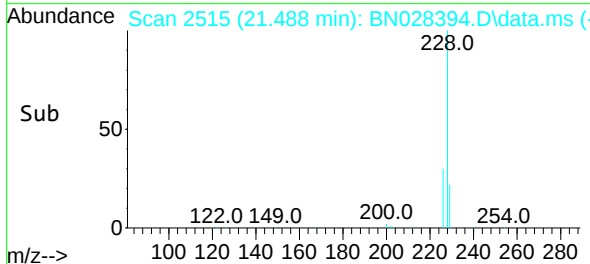
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



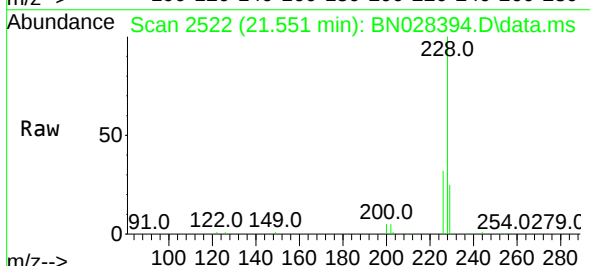
Tgt Ion:228 Resp:13228684
Ion Ratio Lower Upper
228 100
226 30.5 22.9 34.3
229 22.1 16.6 24.8

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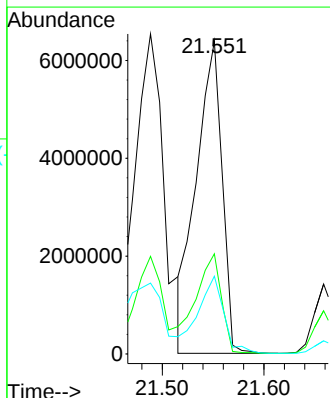
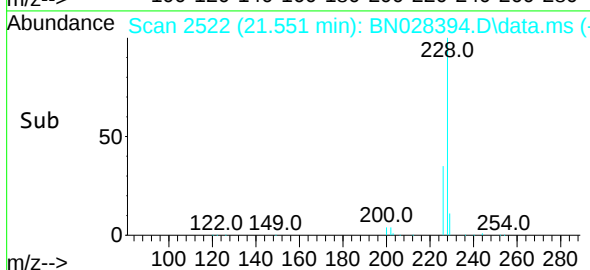
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

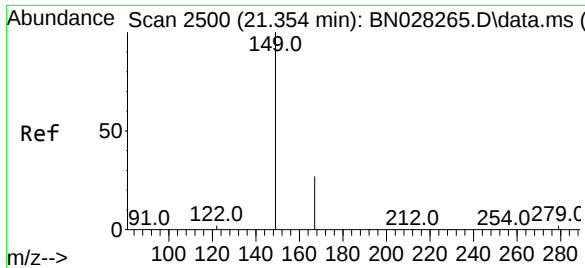


#33
Chrysene
Concen: 350.620 ng
RT: 21.551 min Scan# 2522
Delta R.T. 0.027 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14



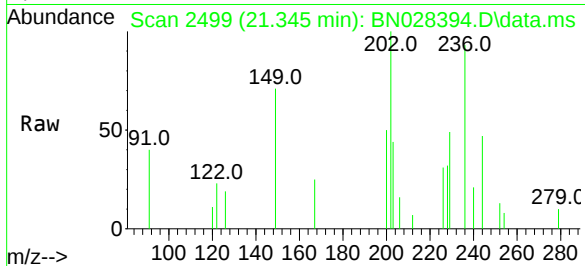
Tgt Ion:228 Resp:11246607
Ion Ratio Lower Upper
228 100
226 32.0 25.2 37.8
229 24.9 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.619 ng
RT: 21.345 min Scan# 2499
Delta R.T. 0.000 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

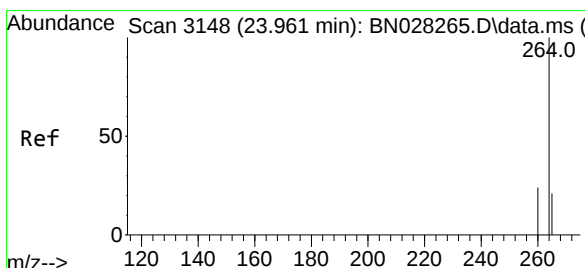
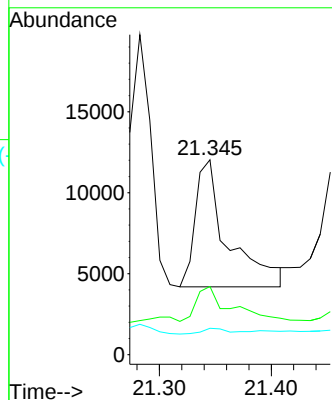
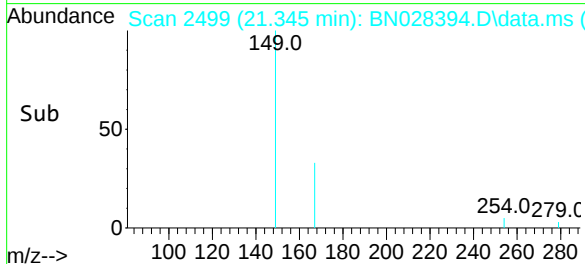
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



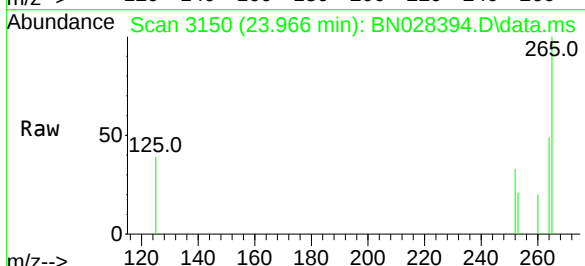
Tgt Ion:149 Resp: 1583
Ion Ratio Lower Upper
149 100
167 28.8 22.6 34.0
279 3.6 4.2 6.2

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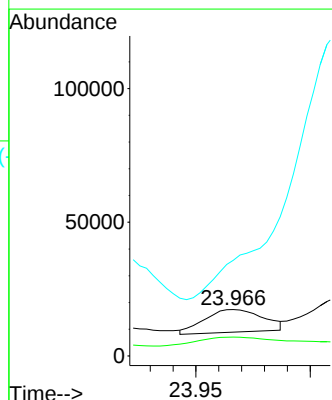
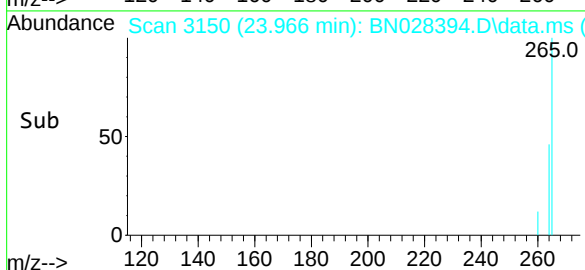
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

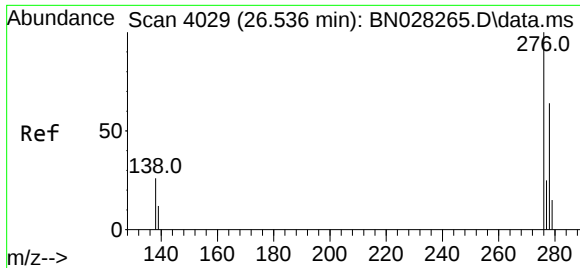


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.966 min Scan# 3150
Delta R.T. 0.029 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14



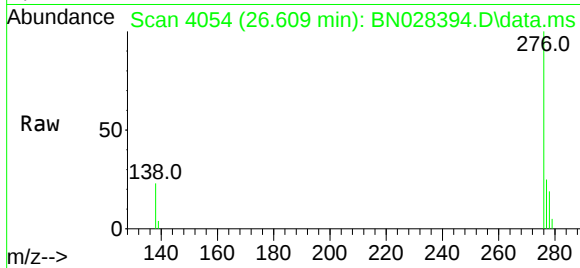
Tgt Ion:264 Resp: 15231
Ion Ratio Lower Upper
264 100
260 40.8 20.7 31.1#
265 206.0 38.3 57.5#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 163.629 ng
 RT: 26.609 min Scan# 4029
 Delta R.T. 0.105 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

Instrument :
 BNA_N
 ClientSampleId :
 A-8(0-2)

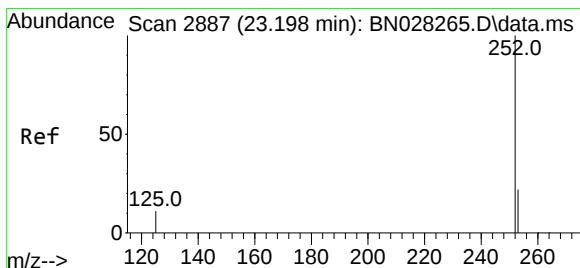
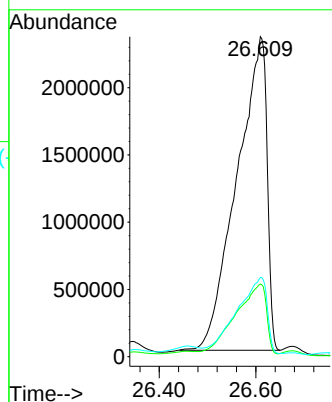


Tgt Ion: 276 Resp: 1004776

Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.3	31.9
277	24.4	20.0	30.0

Manual Integrations
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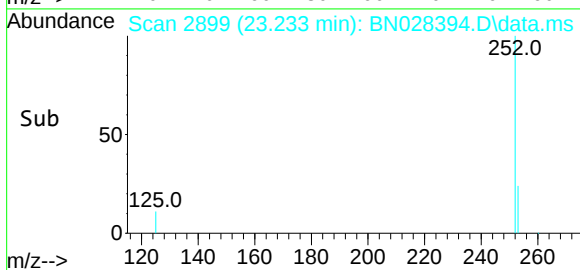
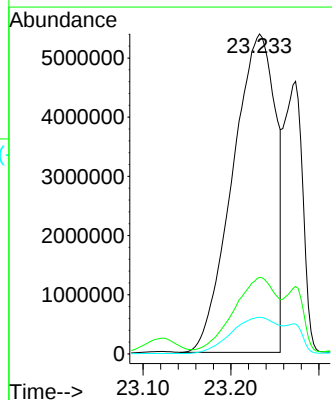
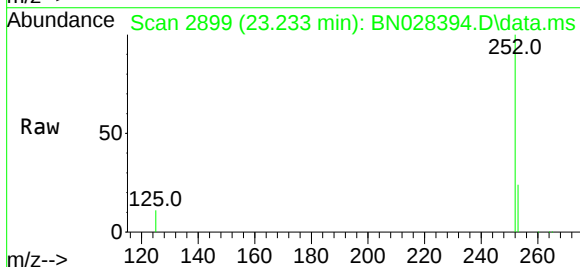
Reviewed By : Yogesh Patel 10/25/2023
 Supervised By : mohammad ahmed 10/25/2023

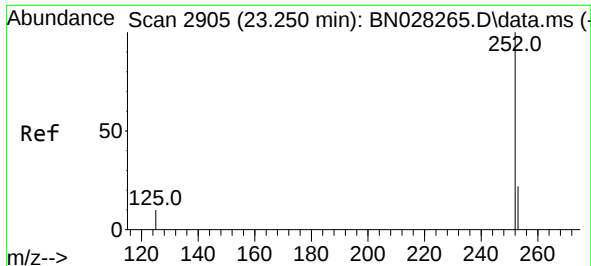


#37
 Benzo(b)fluoranthene
 Concen: 382.333 ng
 RT: 23.233 min Scan# 2899
 Delta R.T. 0.056 min
 Lab File: BN028394.D
 Acq: 25 Oct 2023 03:14

Tgt Ion: 252 Resp: 18202100

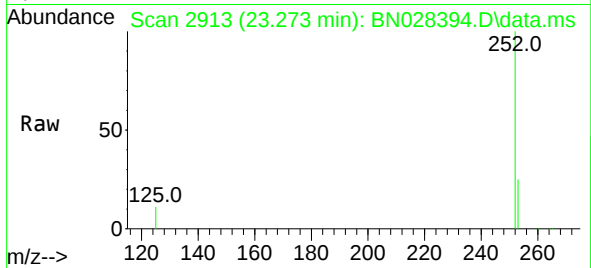
Ion	Ratio	Lower	Upper
252	100		
253	24.0	21.8	32.8
125	11.4	15.6	23.4





#38
Benzo(k)fluoranthene
Concen: 142.209 ng m
RT: 23.273 min Scan# 2905
Delta R.T. 0.047 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

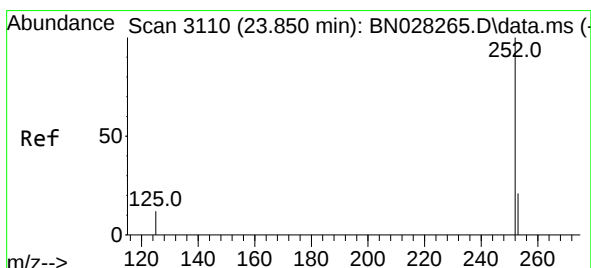
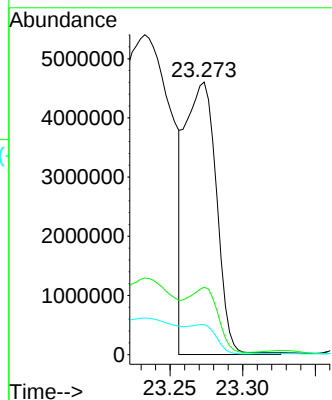
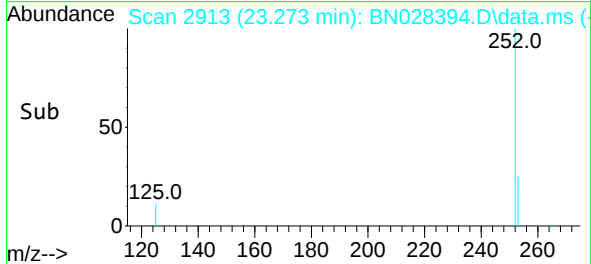
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:252 Resp: 6887199
Ion Ratio Lower Upper
252 100
253 24.8 22.0 33.0
125 11.0 15.3 22.9

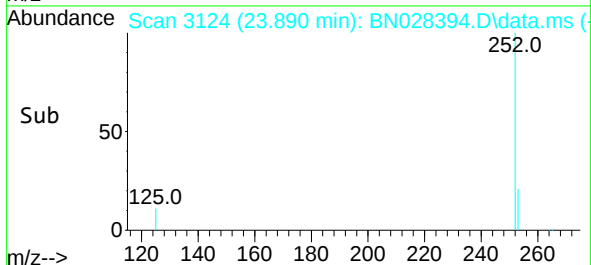
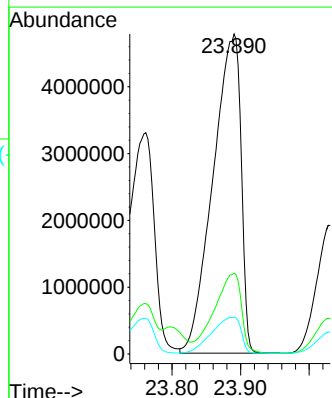
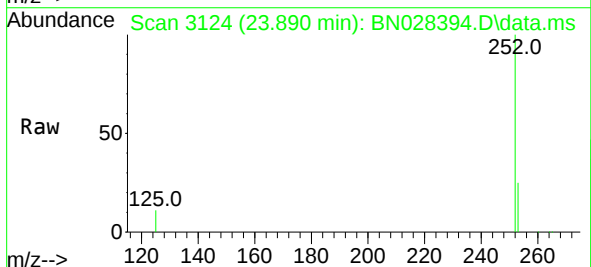
Manual Integrations
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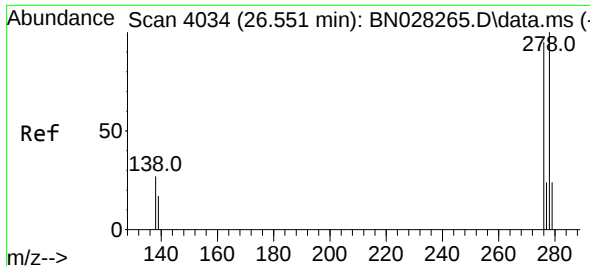
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 286.330 ng
RT: 23.890 min Scan# 3124
Delta R.T. 0.061 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

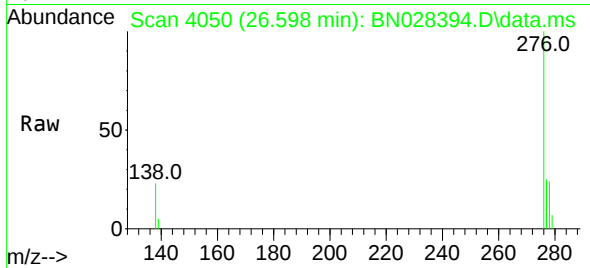
Tgt Ion:252 Resp:13560280
Ion Ratio Lower Upper
252 100
253 25.2 22.7 34.1
125 11.5 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 44.491 ng
RT: 26.598 min Scan# 4034
Delta R.T. 0.079 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

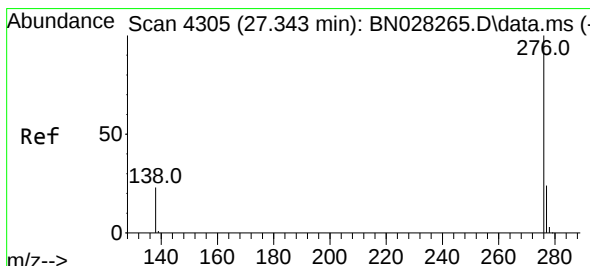
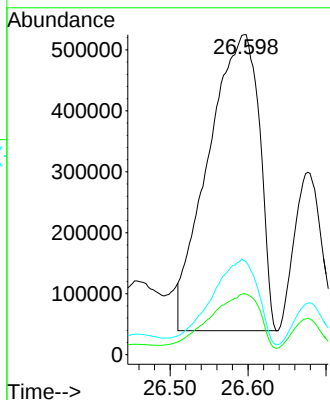
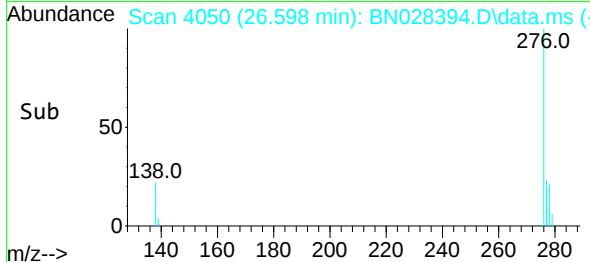
Instrument :
BNA_N
ClientSampleId :
A-8(0-2)



Tgt Ion:278 Resp: 221792
Ion Ratio Lower Upper
278 100
139 19.0 18.8 28.2
279 28.9 23.5 35.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#41
Benzo(g,h,i)perylene
Concen: 188.511 ng
RT: 27.428 min Scan# 4334
Delta R.T. 0.123 min
Lab File: BN028394.D
Acq: 25 Oct 2023 03:14

Tgt Ion:276 Resp: 9702632
Ion Ratio Lower Upper
276 100
277 26.1 21.7 32.5
138 24.8 21.7 32.5

