

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028929.D
 Acq On : 01 Dec 2023 02:58
 Operator : MA/JU
 Sample : 05253-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-6(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 04:32:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	4688	0.400	ng	0.00	
7) Naphthalene-d8	10.594	136	13892	0.400	ng	# 0.00	
13) Acenaphthene-d10	14.407	164	18134	0.400	ng	#-0.02	
19) Phenanthrene-d10	17.171	188	13610	0.400	ng	#-0.01	
29) Chrysene-d12	21.374	240	6374m	0.400	ng	0.00	
35) Perylene-d12	23.705	264	9292	0.400	ng	# 0.00	
System Monitoring Compounds							
4) 2-Fluorophenol	5.435	112	3001	0.211	ng	-0.01	
5) Phenol-d6	7.031	99	3262	0.207	ng	-0.01	
8) Nitrobenzene-d5	8.971	82	2261	0.164	ng	-0.01	
11) 2-Methylnaphthalene-d10	12.174	152	4305	0.193	ng	-0.01	
14) 2,4,6-Tribromophenol	15.930	330	652	0.053	ng	0.00	
15) 2-Fluorobiphenyl	13.060	172	5239	0.067	ng	-0.01	
27) Fluoranthene-d10	19.213	212	6503	0.182	ng	0.00	
31) Terphenyl-d14	19.817	244	5319	0.332	ng	0.00	
Target Compounds							
9) Naphthalene	10.637	128	4839508	109.625	ng	99	Qvalue
12) 2-Methylnaphthalene	12.253	142	2702538	97.425	ng	98	
16) Acenaphthylene	14.150	152	863679	8.991	ng	97	
17) Acenaphthene	14.482	154	134013	2.102	ng	# 79	
18) Fluorene	15.476	166	603002	7.471	ng	# 94	
25) Phenanthrene	17.221	178	6976226	155.243	ng	97	
26) Anthracene	17.308	178	1552713	37.382	ng	99	
28) Fluoranthene	19.241	202	1962672m	42.001	ng		
30) Pyrene	19.608	202	3545105	72.791	ng	99	
32) Benzo(a)anthracene	21.356	228	1059202	39.083	ng	98	
33) Chrysene	21.409	228	859306m	32.294	ng		
36) Indeno(1,2,3-cd)pyrene	26.102	276	283501	7.002	ng	# 91	
37) Benzo(b)fluoranthene	23.003	252	598889	15.754	ng	# 24	
38) Benzo(k)fluoranthene	23.041	252	140334m	3.913	ng		
39) Benzo(a)pyrene	23.605	252	741611	21.842	ng	# 15	
40) Dibenzo(a,h)anthracene	26.117	278	94532	3.017	ng	# 27	
41) Benzo(g,h,i)perylene	26.845	276	336474	9.547	ng	# 67	

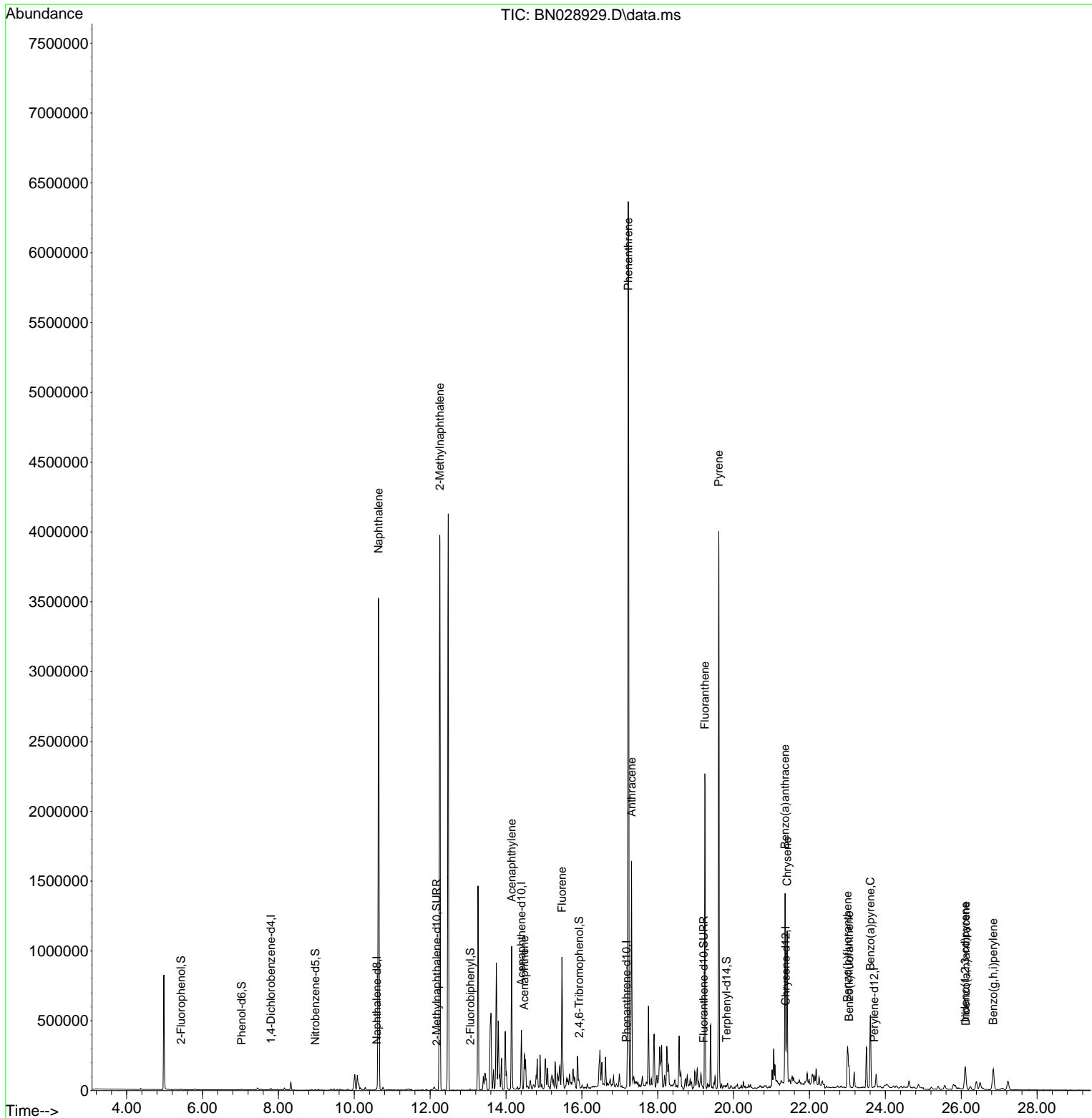
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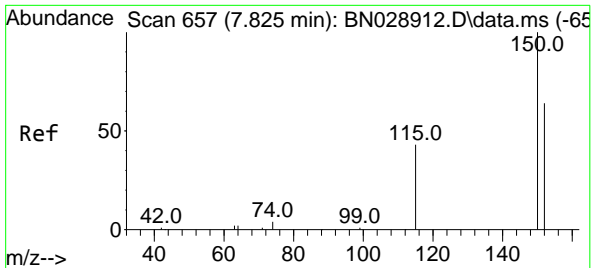
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
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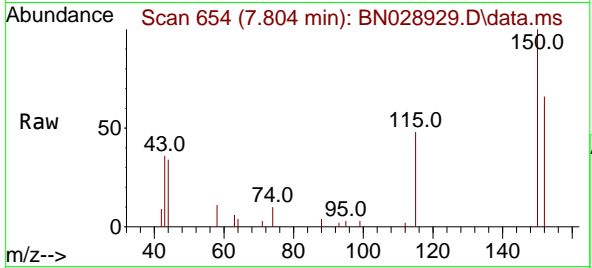
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

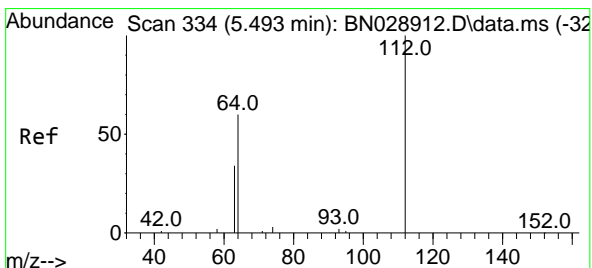
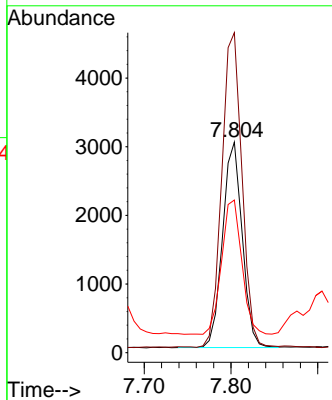
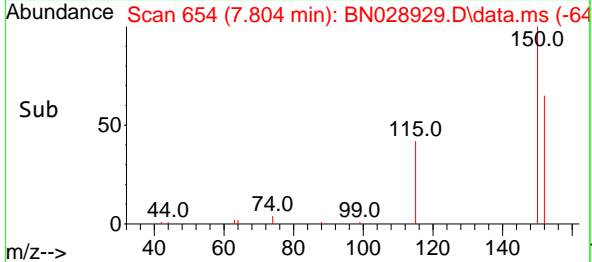
L-6(0-5)



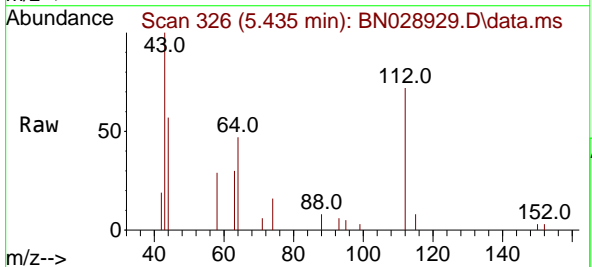
Tgt Ion:152 Resp: 4688
 Ion Ratio Lower Upper
 152 100
 150 152.0 123.4 185.2
 115 72.5 59.1 88.7

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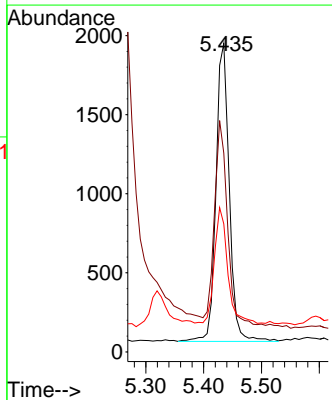
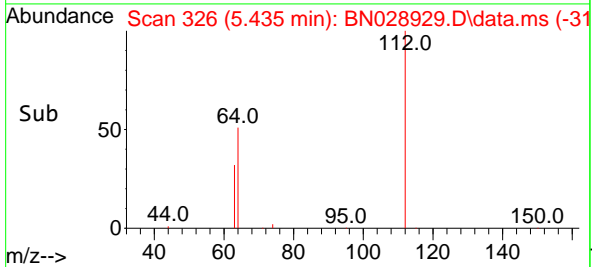
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

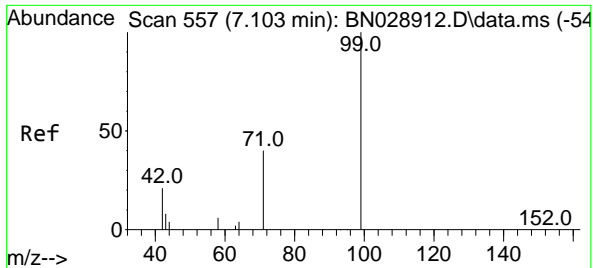


#4
 2-Fluorophenol
 Concen: 0.211 ng
 RT: 5.435 min Scan# 326
 Delta R.T. -0.014 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



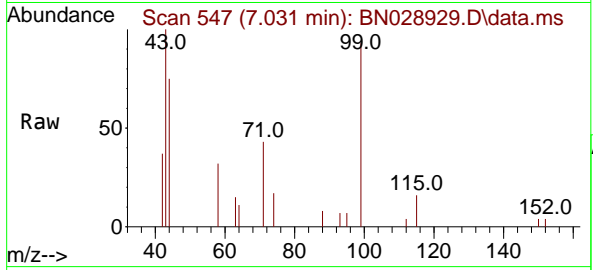
Tgt Ion:112 Resp: 3001
 Ion Ratio Lower Upper
 112 100
 64 70.2 51.5 77.3
 63 38.4 30.4 45.6





#5
Phenol-d6
Concen: 0.207 ng
RT: 7.031 min Scan# 547
Delta R.T. -0.014 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58

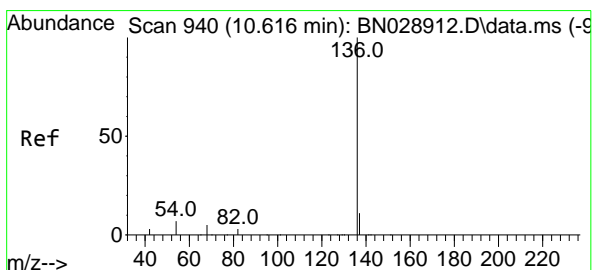
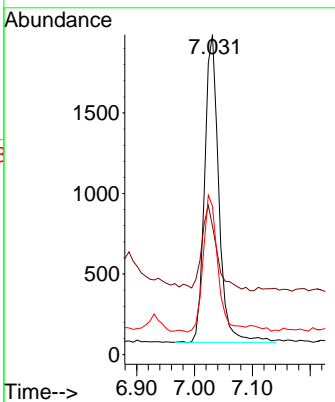
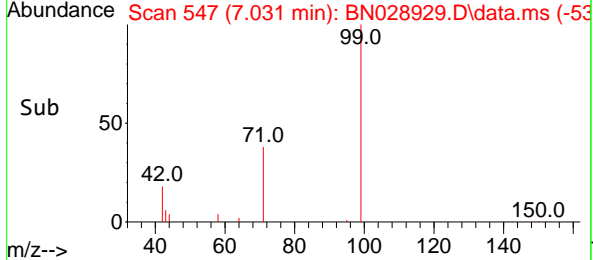
Instrument : BNA_N
ClientSampleId : L-6(0-5)



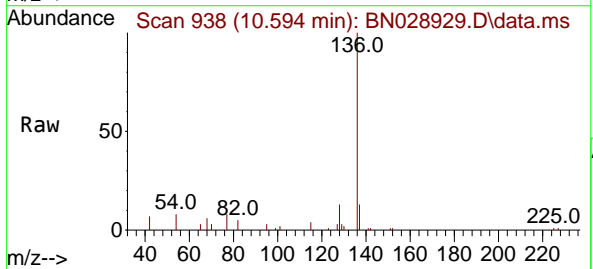
Tgt Ion: 99 Resp: 326

Ion	Ratio	Lower	Upper
99	100		
42	29.1	21.2	31.8
71	46.0	35.4	53.0

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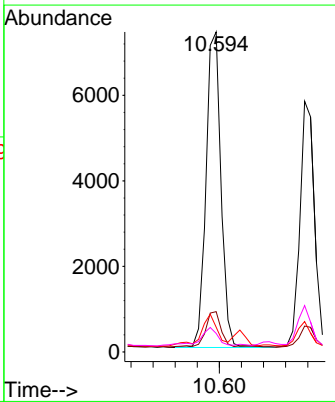
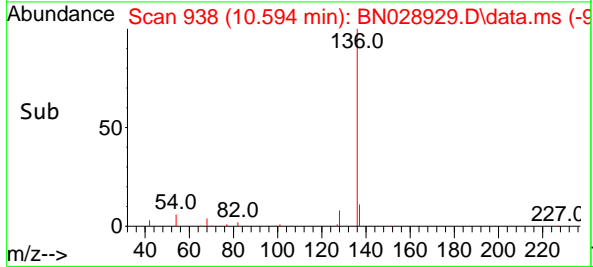


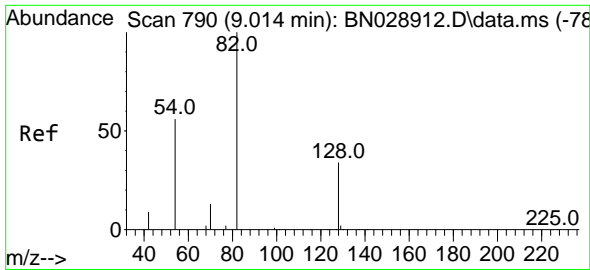
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN028929.D
Acq: 01 Dec 2023 02:58



Tgt Ion:136 Resp: 13892

Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.6	16.0
54	7.8	7.5	11.3
68	5.8	5.9	8.9





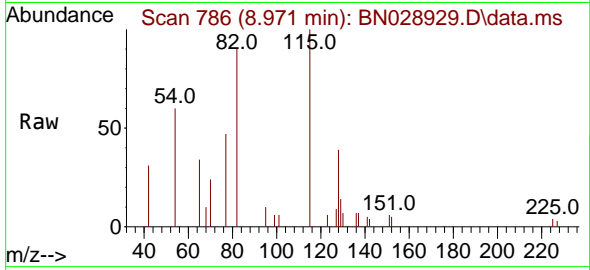
#8
 Nitrobenzene-d5
 Concen: 0.164 ng
 RT: 8.971 min Scan# 786
 Delta R.T. -0.011 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

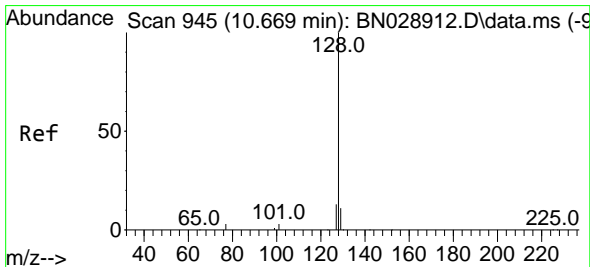
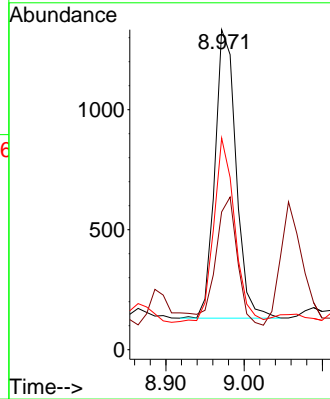
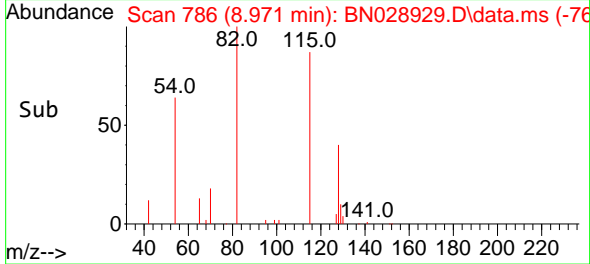


Tgt Ion: 82 Resp: 226
 Ion Ratio Lower Upper
 82 100
 128 43.1 29.2 43.8
 54 66.2 47.0 70.6

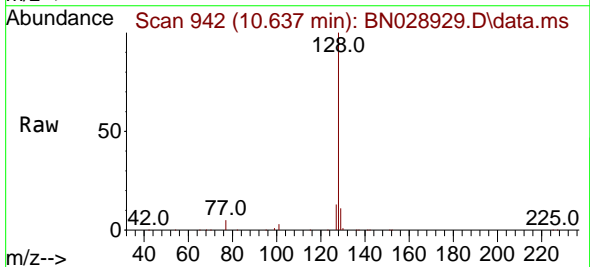
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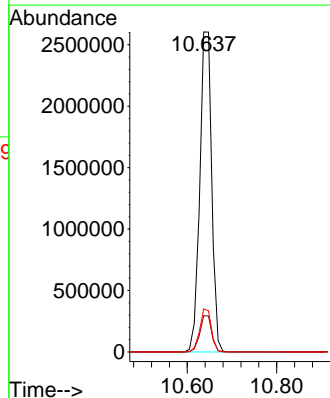
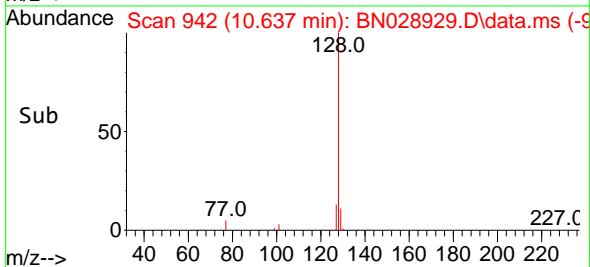
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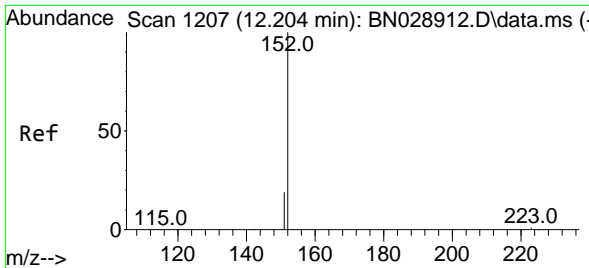


#9
 Naphthalene
 Concen: 109.625 ng
 RT: 10.637 min Scan# 942
 Delta R.T. -0.011 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



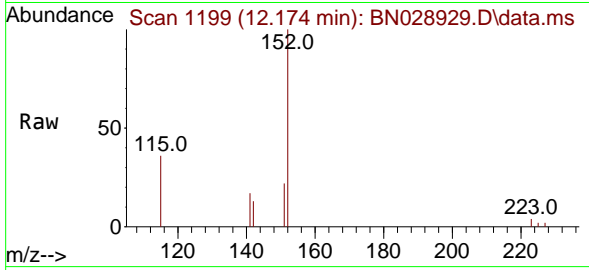
Tgt Ion:128 Resp: 4839508
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.5 14.3
 127 13.4 11.0 16.4





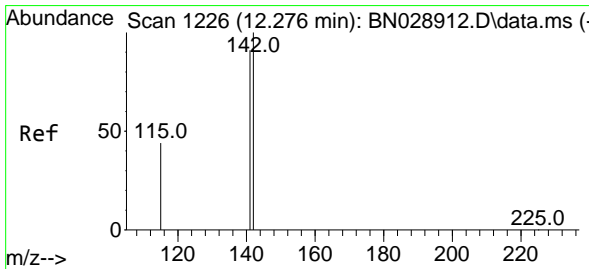
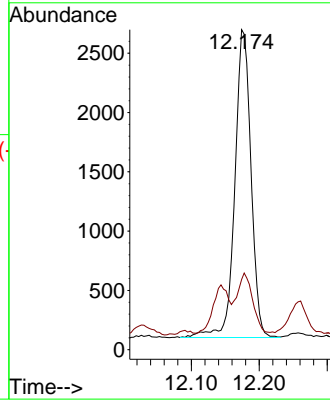
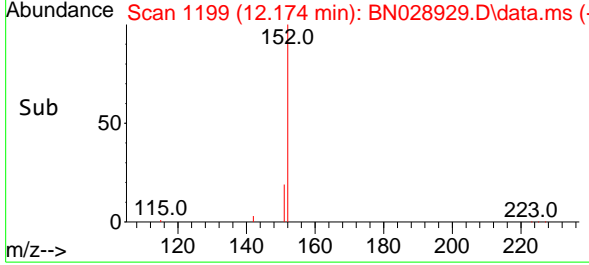
#11
 2-Methylnaphthalene-d10
 Concen: 0.193 ng
 RT: 12.174 min Scan# 1119
 Delta R.T. -0.011 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument : BNA_N
 ClientSampleId : L-6(0-5)

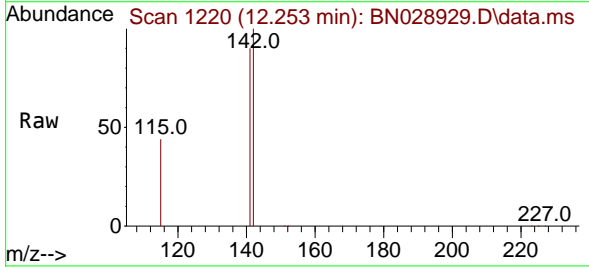


Tgt Ion:152 Resp: 430
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.7 25.1

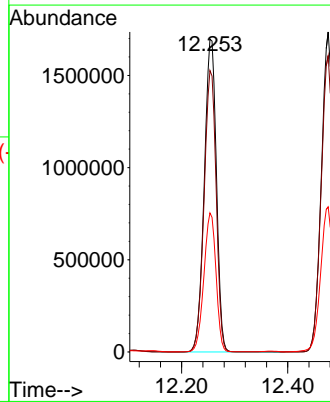
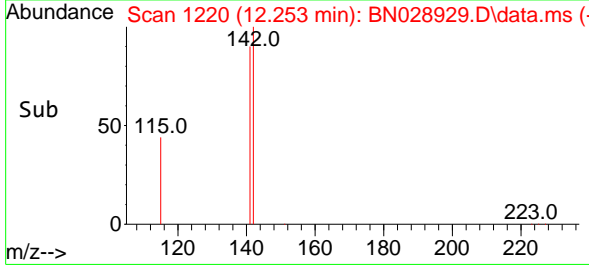
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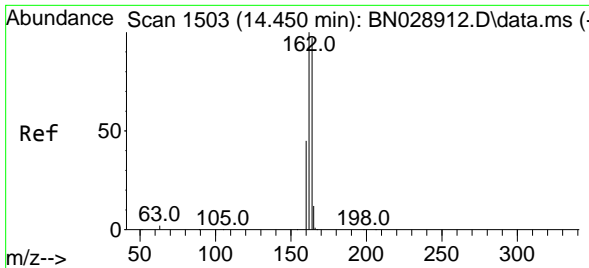


#12
 2-Methylnaphthalene
 Concen: 97.425 ng
 RT: 12.253 min Scan# 1220
 Delta R.T. -0.004 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



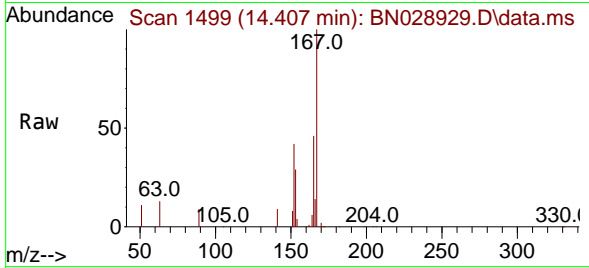
Tgt Ion:142 Resp: 2702538
 Ion Ratio Lower Upper
 142 100
 141 90.0 73.1 109.7
 115 44.4 37.6 56.4





#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.407 min Scan# 1499
 Delta R.T. -0.021 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

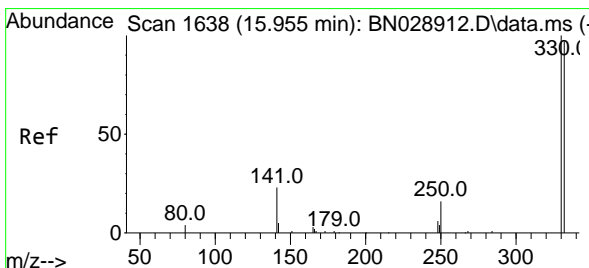
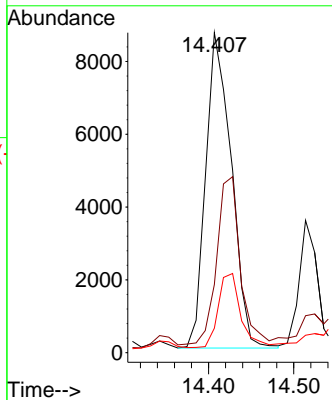
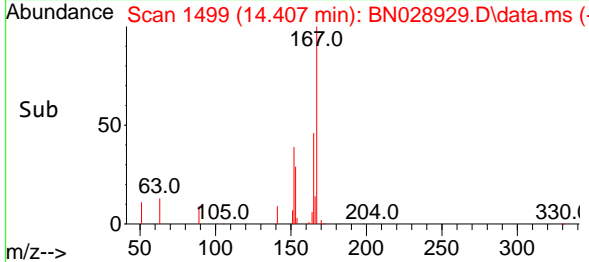
Instrument :
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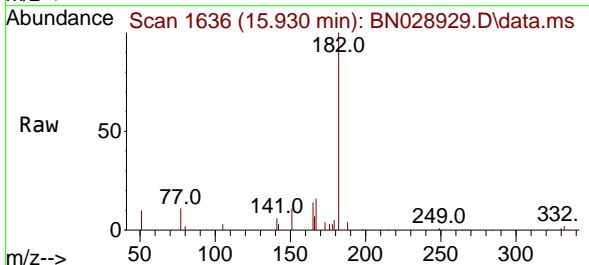
Tgt Ion:164 Resp: 18134
 Ion Ratio Lower Upper
 164 100
 162 21.3 81.7 122.5
 160 7.7 37.0 55.6

Manual Integrations
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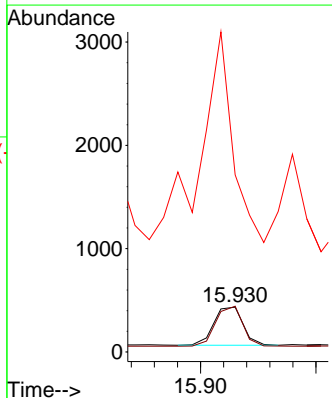
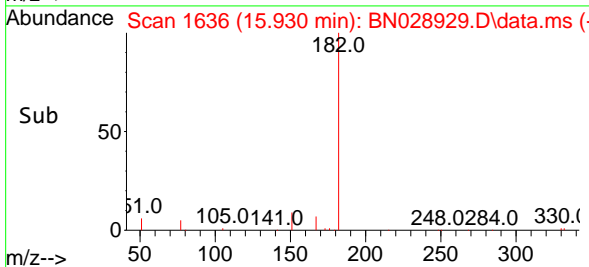
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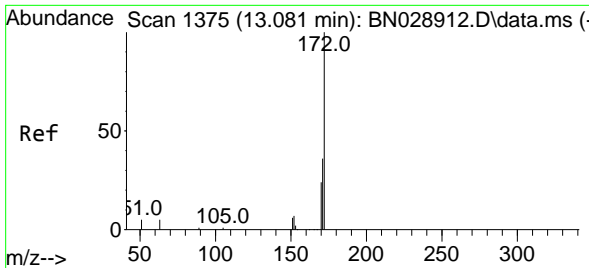


#14
 2,4,6-Tribromophenol
 Concen: 0.053 ng
 RT: 15.930 min Scan# 1636
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



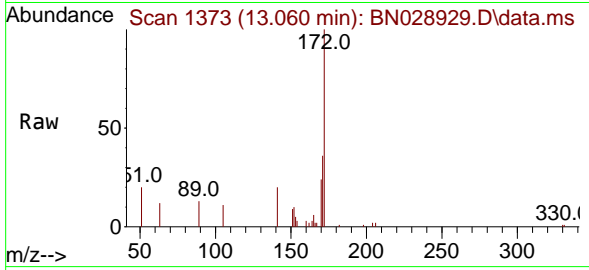
Tgt Ion:330 Resp: 652
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.4 113.2
 141 624.5 35.7 53.5#





#15
 2-Fluorobiphenyl
 Concen: 0.067 ng
 RT: 13.060 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BN028929.D
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Instrument : BNA_N
 Client Sample Id : L-6(0-5)

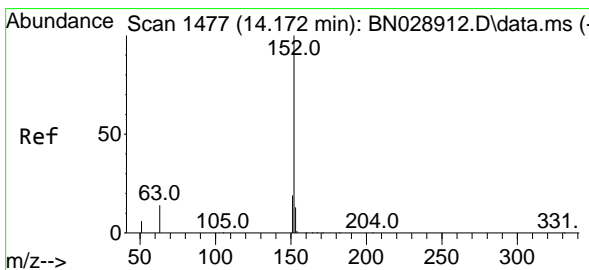
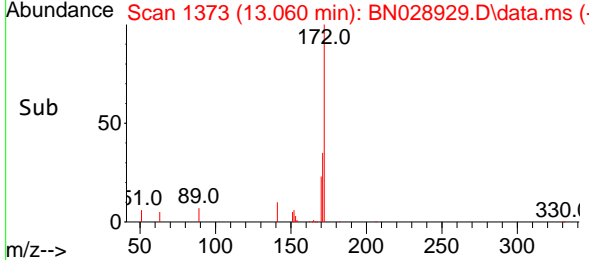
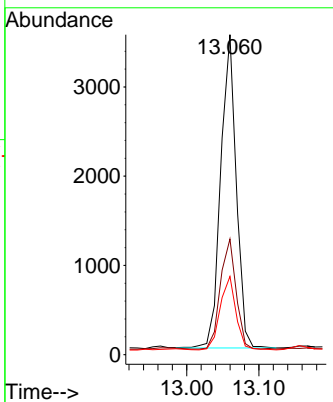


Tgt Ion: 172 Resp: 5239

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.4	19.7	29.5

Manual Integrations
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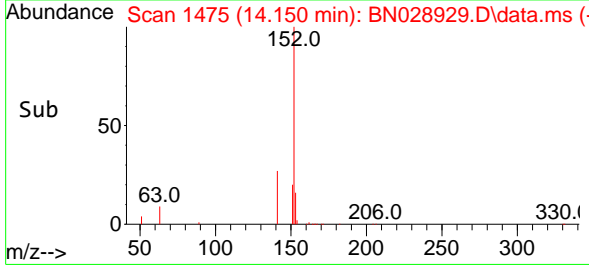
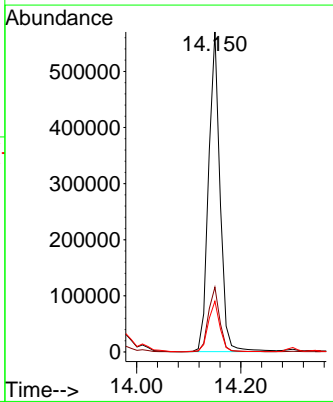
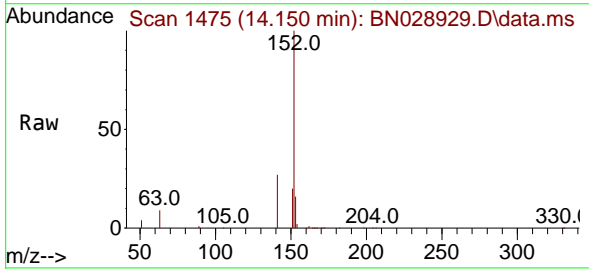
Reviewed By : Yogesh Patel 12/01/2023
 Supervised By : mohammad ahmed 12/01/2023

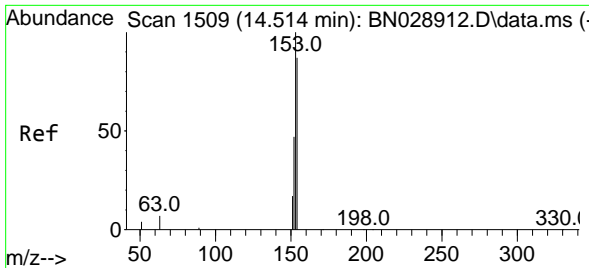


#16
 Acenaphthylene
 Concen: 8.991 ng
 RT: 14.150 min Scan# 1475
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Tgt Ion: 152 Resp: 863679

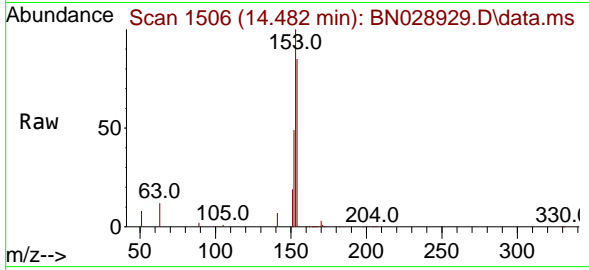
Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	16.2	10.8	16.2





#17
 Acenaphthene
 Concen: 2.102 ng
 RT: 14.482 min Scan# 1506
 Delta R.T. -0.011 min
 Lab File: BN028929.D
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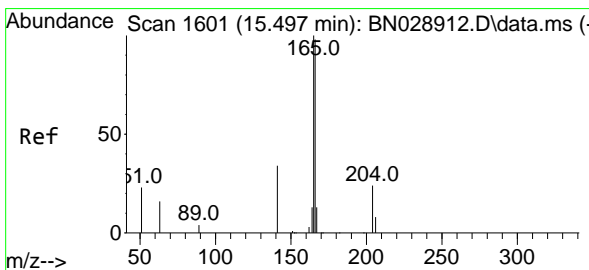
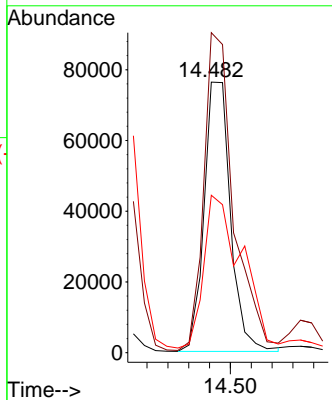
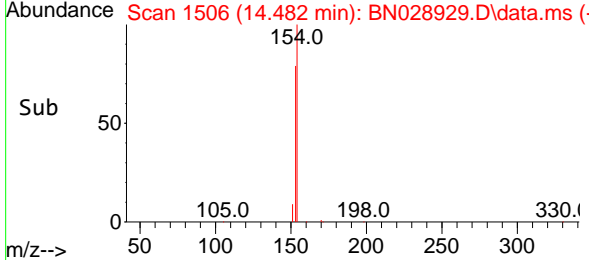
Instrument : BNA_N
 Client Sample Id : L-6(0-5)



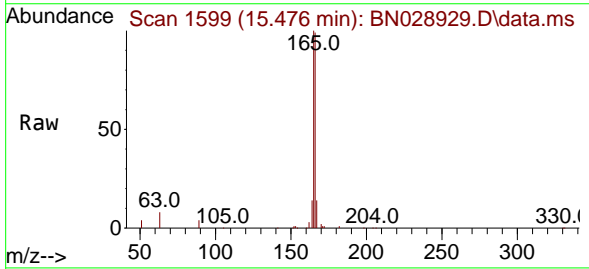
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 Ion Ratio Lower Upper
 154 100
 153 133.1 93.8 140.6
 152 81.1 44.5 66.7

Manual Integrations
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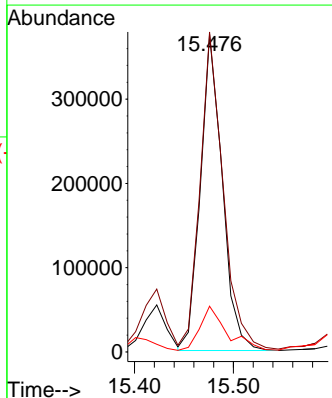
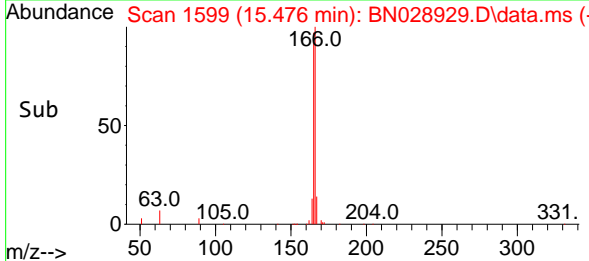
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

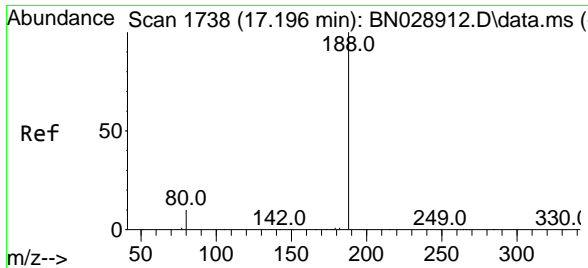


#18
 Fluorene
 Concen: 7.471 ng
 RT: 15.476 min Scan# 1599
 Delta R.T. -0.011 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



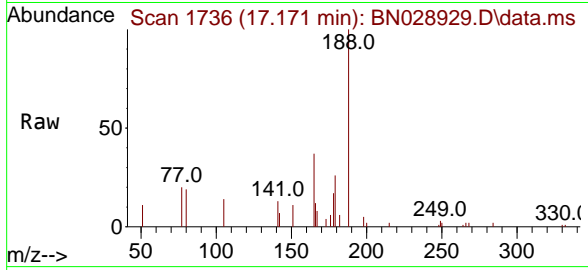
Tgt Ion:166 Resp: 603002
 Ion Ratio Lower Upper
 166 100
 165 104.9 79.4 119.2
 167 16.7 11.0 16.4





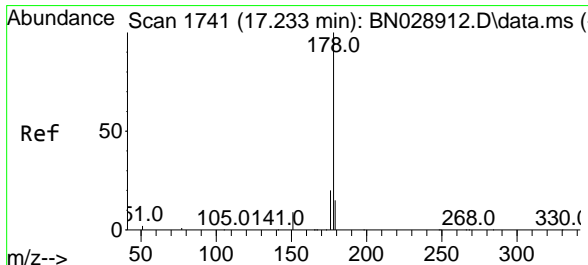
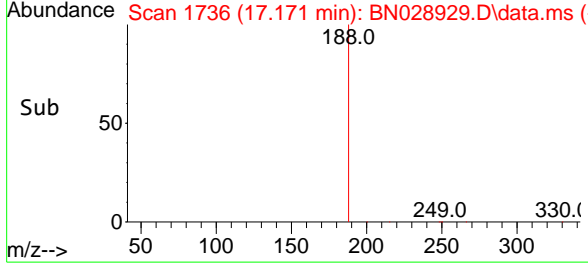
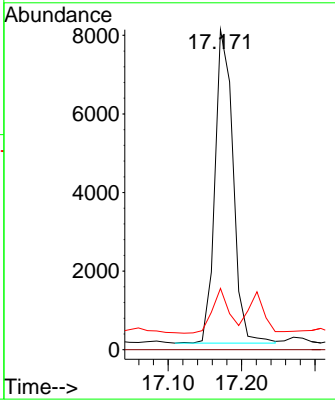
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.171 min Scan# 1736
 Delta R.T. -0.012 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument : BNA_N
 ClientSampleId : L-6(0-5)



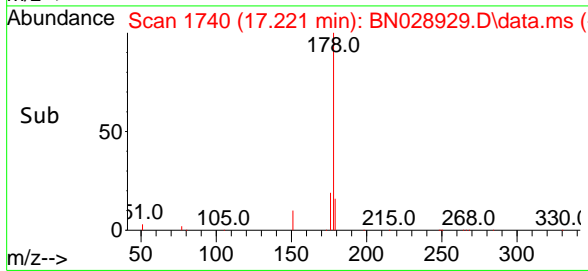
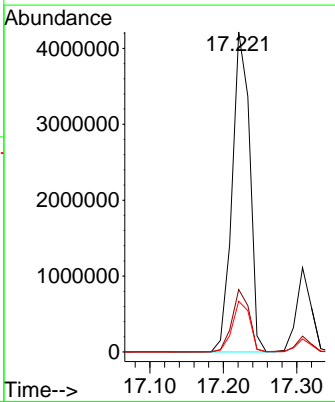
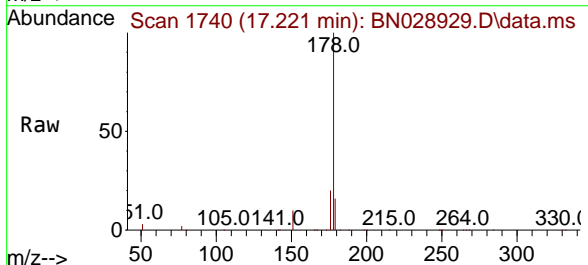
Tgt Ion:188 Resp: 13610
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 19.1 9.0 13.6

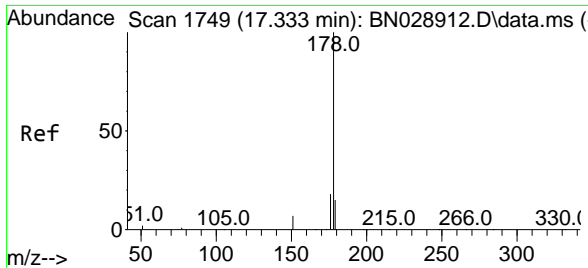
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#25
 Phenanthrene
 Concen: 155.243 ng
 RT: 17.221 min Scan# 1740
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

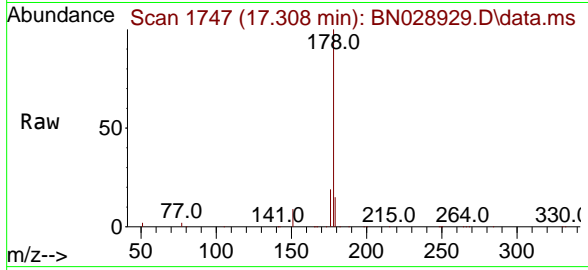
Tgt Ion:178 Resp: 6976226
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.4 24.6
 179 15.9 14.1 21.1





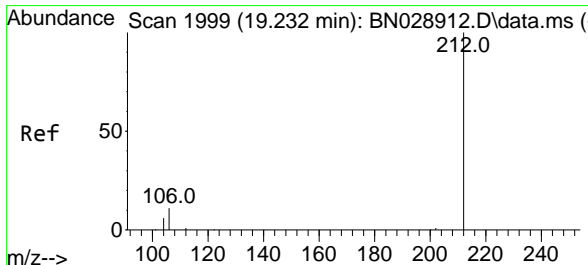
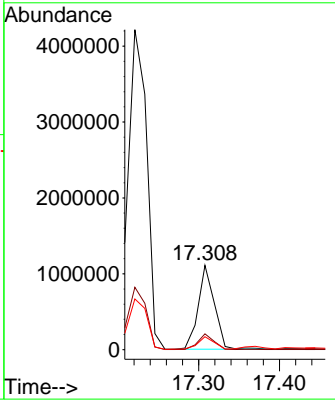
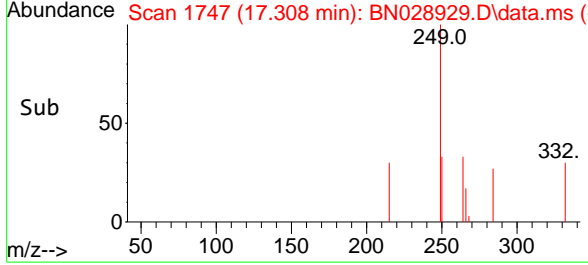
#26
 Anthracene
 Concen: 37.382 ng
 RT: 17.308 min Scan# 1747
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument : BNA_N
 ClientSampleId : L-6(0-5)



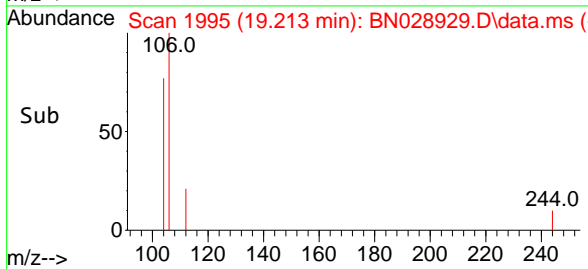
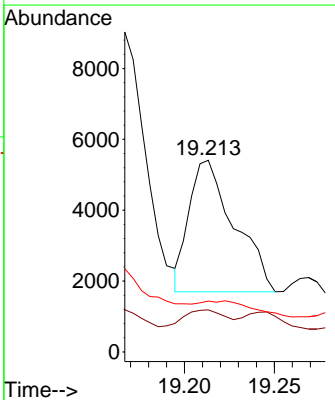
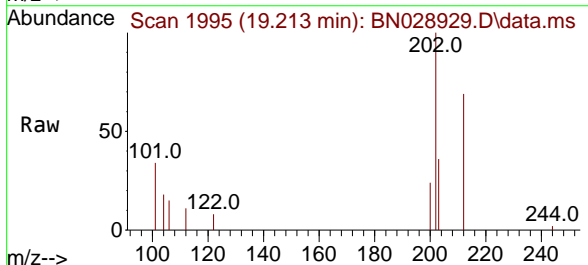
Tgt Ion:178 Resp: 155271
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 15.7 12.2 18.2

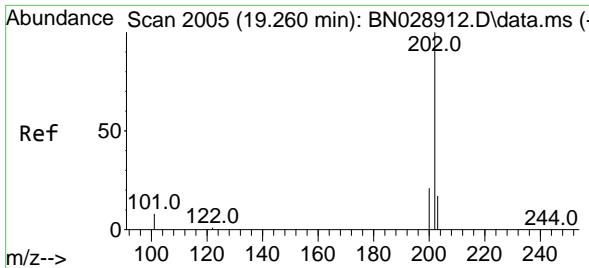
Manual Integrations
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 Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#27
 Fluoranthene-d10
 Concen: 0.182 ng
 RT: 19.213 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

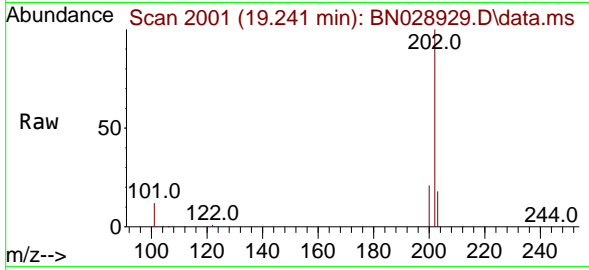
Tgt Ion:212 Resp: 6503
 Ion Ratio Lower Upper
 212 100
 106 11.2 9.4 14.2
 104 0.0 6.2 9.2#





#28
 Fluoranthene
 Concen: 42.001 ng m
 RT: 19.241 min Scan# 2005
 Delta R.T. -0.005 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

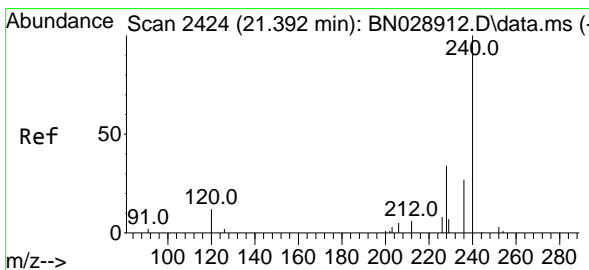
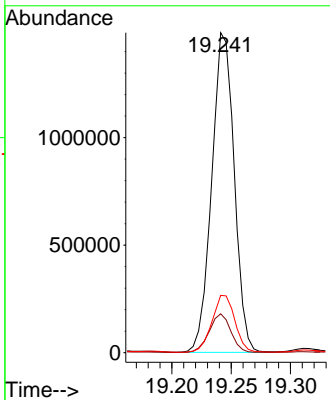
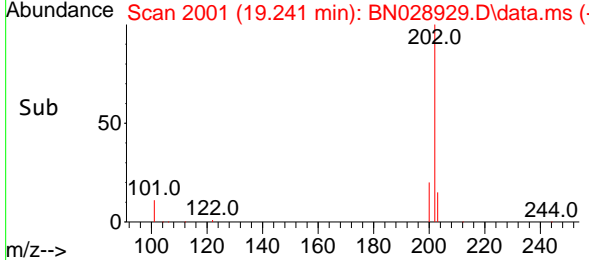
Instrument :
 BNA_N
ClientSampleId :
 L-6(0-5)



Tgt Ion: 202 Resp: 196267
 Ion Ratio Lower Upper
 202 100
 101 1.9 7.3 10.9
 203 3.1 14.1 21.1

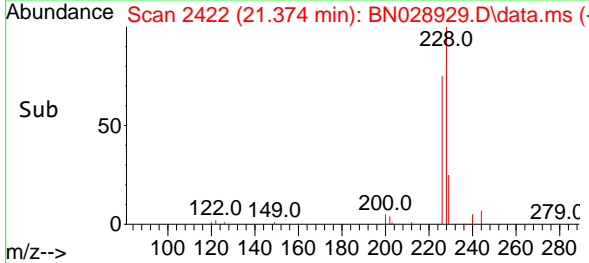
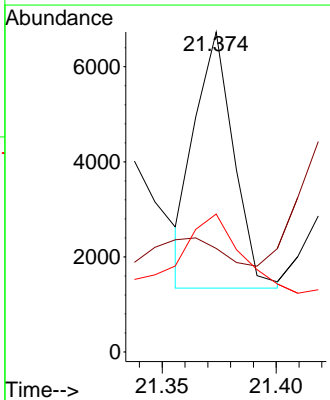
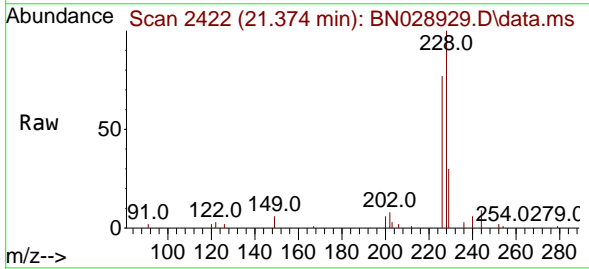
Manual Integrations
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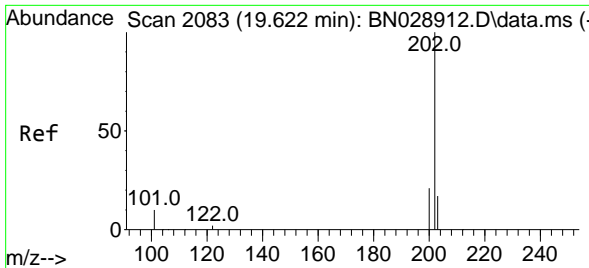
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#29
 Chrysene-d12
 Concen: 0.400 ng m
 RT: 21.374 min Scan# 2422
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Tgt Ion: 240 Resp: 6374
 Ion Ratio Lower Upper
 240 100
 120 32.3 37.1 55.7#
 236 43.1 32.4 48.6





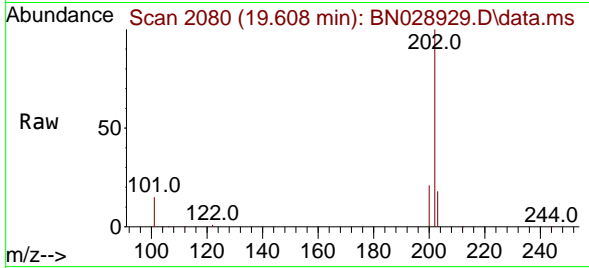
#30
 Pyrene
 Concen: 72.791 ng
 RT: 19.608 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument :

BNA_N

ClientSampleId :

L-6(0-5)

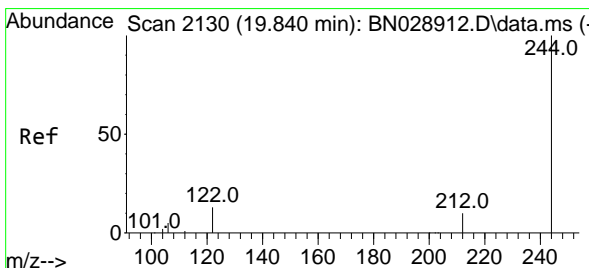
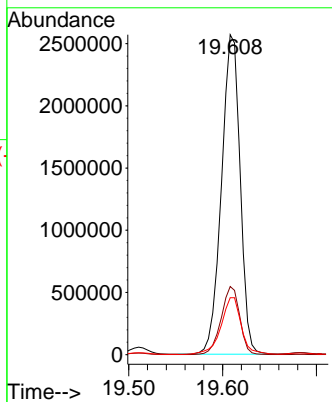
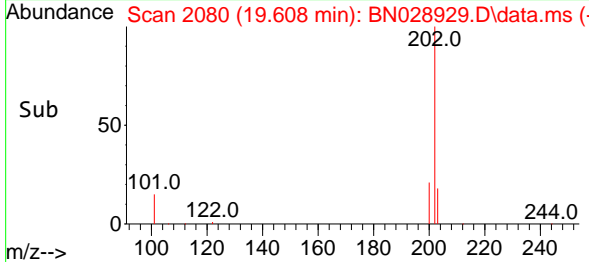


Tgt Ion:202 Resp: 354510
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.9 25.3
 203 19.3 14.8 22.2

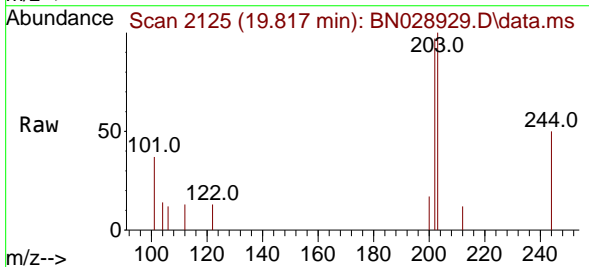
Manual Integrations

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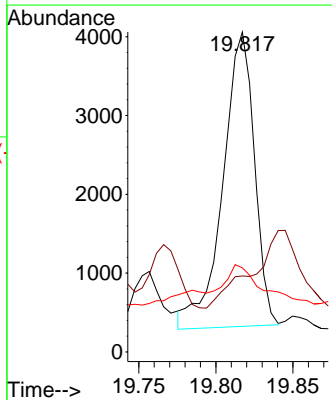
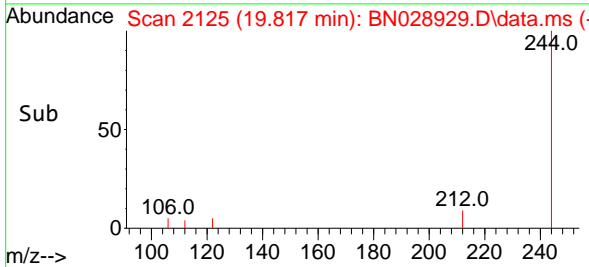
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

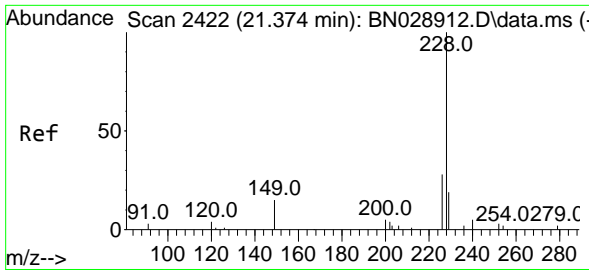


#31
 Terphenyl-d14
 Concen: 0.332 ng
 RT: 19.817 min Scan# 2125
 Delta R.T. -0.005 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



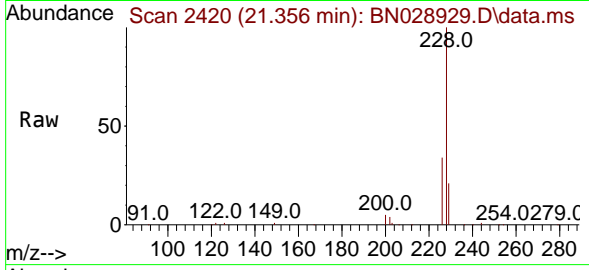
Tgt Ion:244 Resp: 5319
 Ion Ratio Lower Upper
 244 100
 212 23.8 11.5 17.3#
 122 26.3 13.2 19.8#





#32
 Benzo(a)anthracene
 Concen: 39.083 ng
 RT: 21.356 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

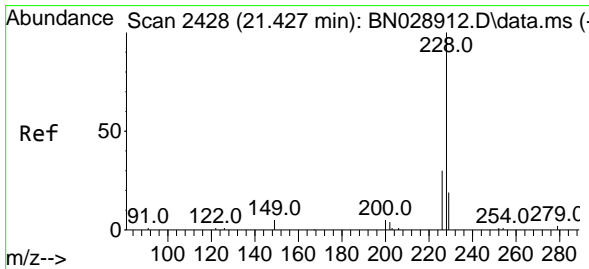
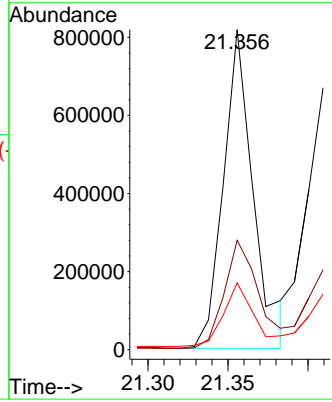
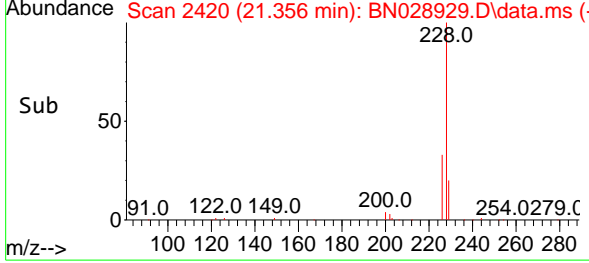
Instrument : BNA_N
 ClientSampleId : L-6(0-5)



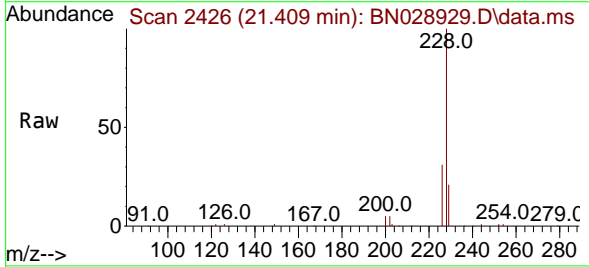
Tgt Ion:228 Resp: 105920
 Ion Ratio Lower Upper
 228 100
 226 34.2 26.5 39.7
 229 20.9 16.4 24.6

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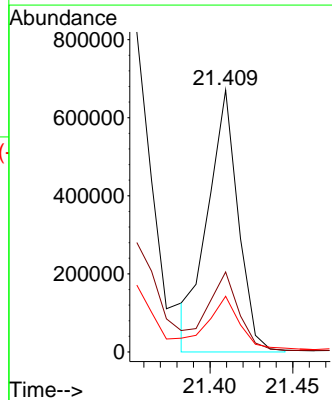
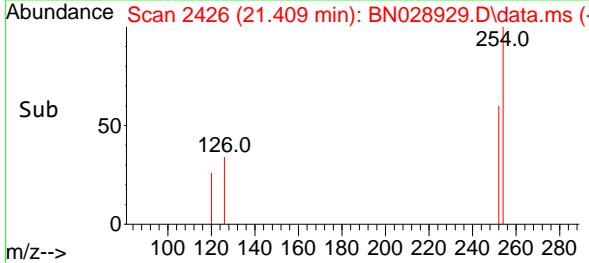
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

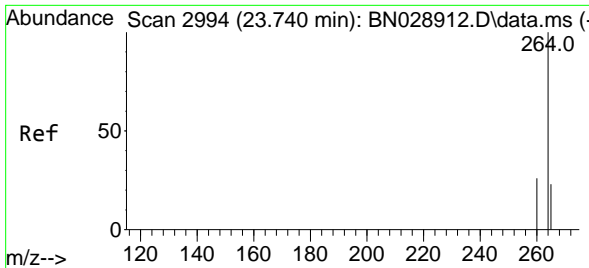


#33
 Chrysene
 Concen: 32.294 ng m
 RT: 21.409 min Scan# 2426
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



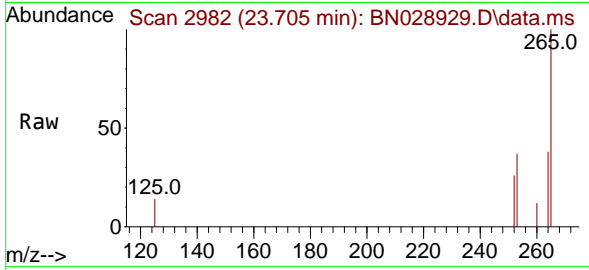
Tgt Ion:228 Resp: 859306
 Ion Ratio Lower Upper
 228 100
 226 30.6 28.3 42.5
 229 21.3 16.4 24.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.705 min Scan# 2994
 Delta R.T. -0.009 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

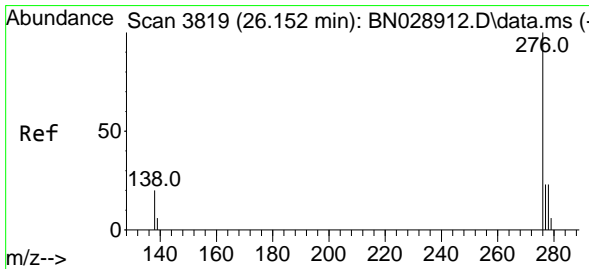
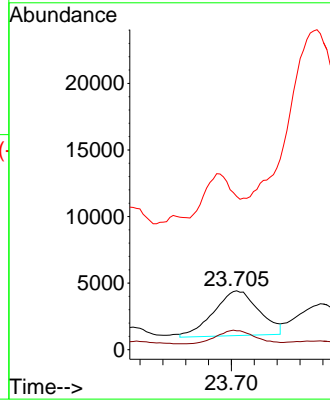
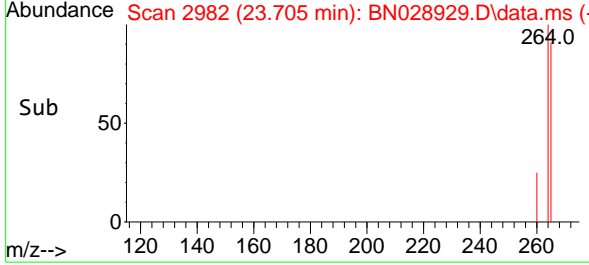
Instrument : BNA_N
 ClientSampleId : L-6(0-5)



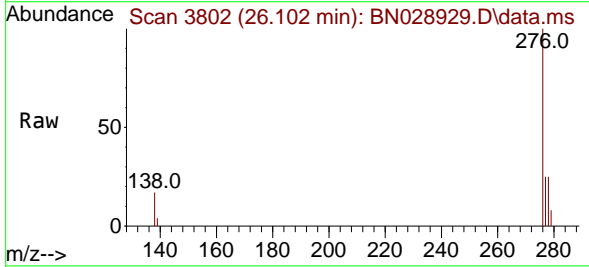
Tgt Ion:264 Resp: 929
 Ion Ratio Lower Upper
 264 100
 260 32.1 20.6 30.8
 265 260.3 464.5 696.7

Manual Integrations
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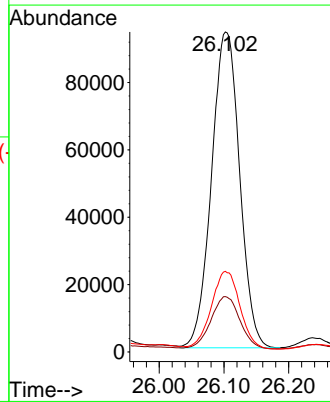
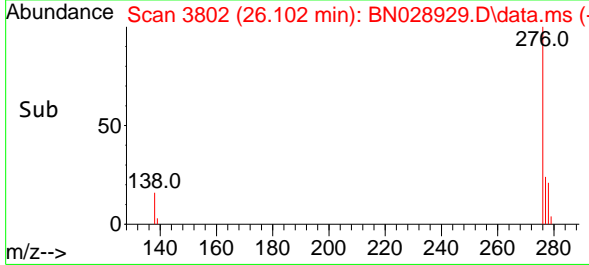
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

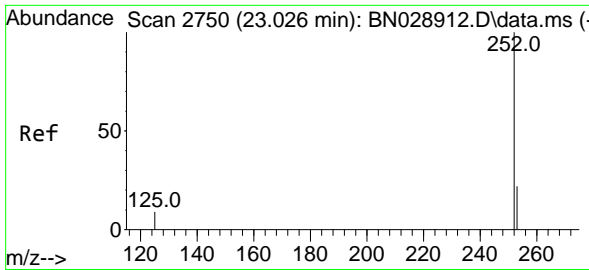


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 7.002 ng
 RT: 26.102 min Scan# 3802
 Delta R.T. -0.009 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



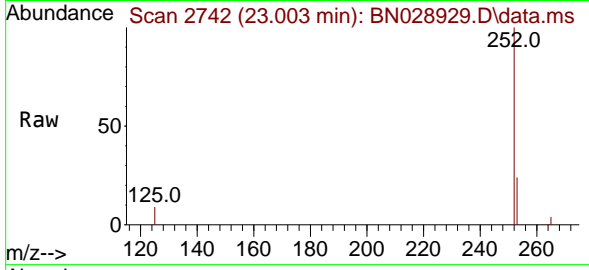
Tgt Ion:276 Resp: 283501
 Ion Ratio Lower Upper
 276 100
 138 17.1 20.9 31.3#
 277 25.2 20.2 30.4





#37
 Benzo(b)fluoranthene
 Concen: 15.754 ng
 RT: 23.003 min Scan# 2742
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

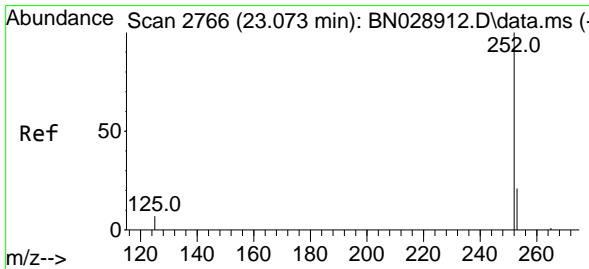
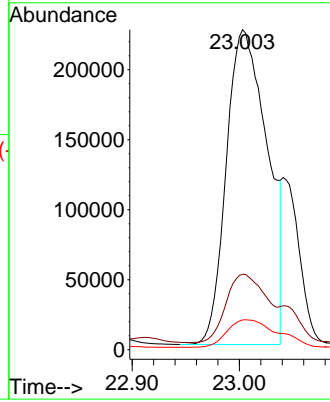
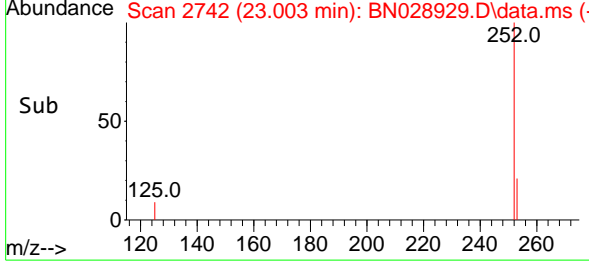
Instrument : BNA_N
 Client Sample Id : L-6(0-5)



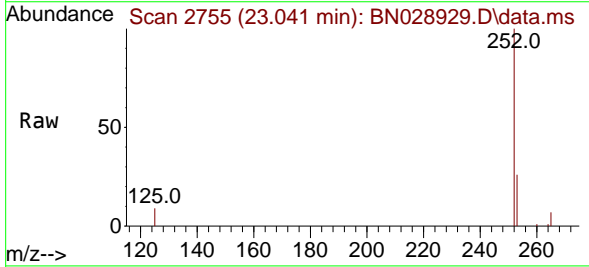
Tgt Ion:252 Resp: 598889
 Ion Ratio Lower Upper
 252 100
 253 23.6 94.5 141.7#
 125 9.3 23.8 35.8#

Manual Integrations
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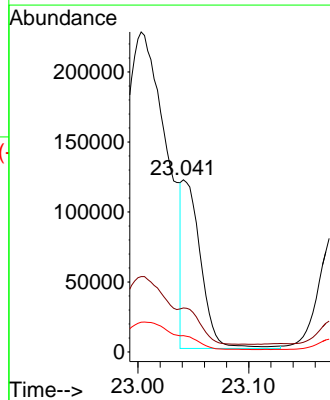
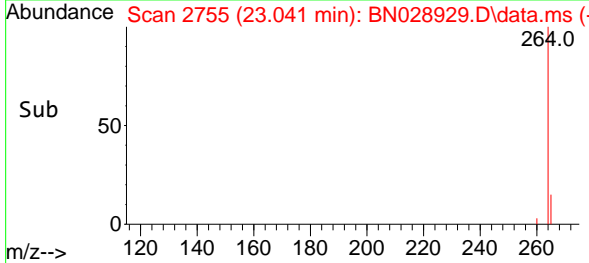
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

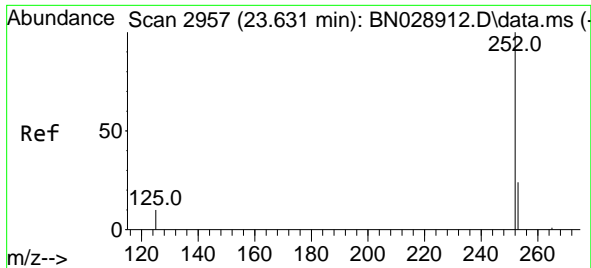


#38
 Benzo(k)fluoranthene
 Concen: 3.913 ng m
 RT: 23.041 min Scan# 2755
 Delta R.T. -0.009 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58



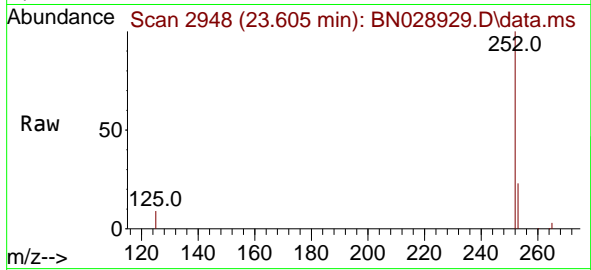
Tgt Ion:252 Resp: 140334
 Ion Ratio Lower Upper
 252 100
 253 25.5 95.2 142.8#
 125 9.5 24.3 36.5#





#39
 Benzo(a)pyrene
 Concen: 21.842 ng
 RT: 23.605 min Scan# 2948
 Delta R.T. -0.000 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

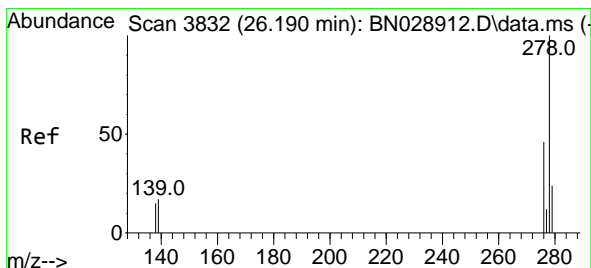
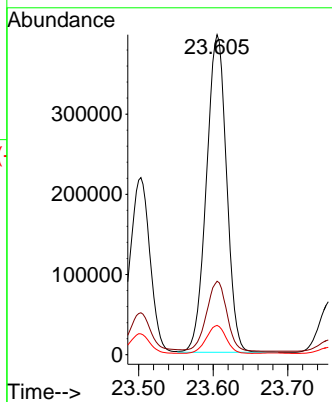
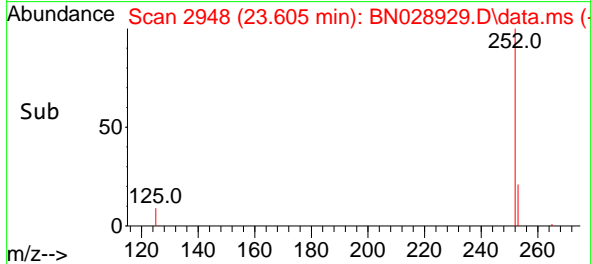
Instrument :
 BNA_N
 ClientSampleId :
 L-6(0-5)



Tgt Ion:252 Resp: 74161
 Ion Ratio Lower Upper
 252 100
 253 22.9 110.2 165.4#
 125 9.2 27.0 40.4#

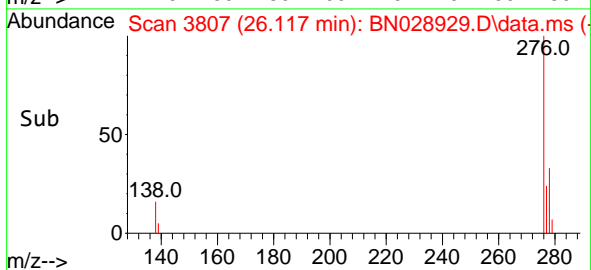
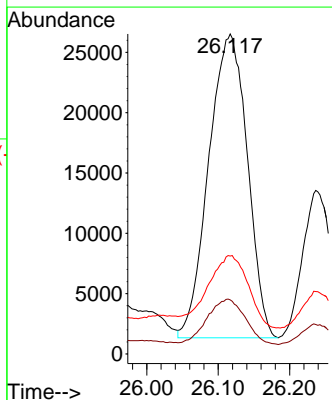
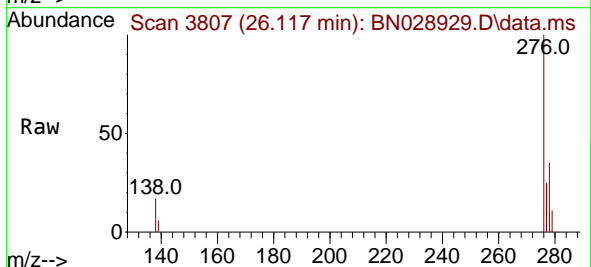
Manual Integrations
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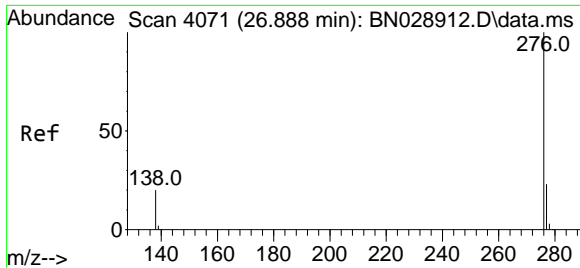
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#40
 Dibenzo(a,h)anthracene
 Concen: 3.017 ng
 RT: 26.117 min Scan# 3807
 Delta R.T. -0.023 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

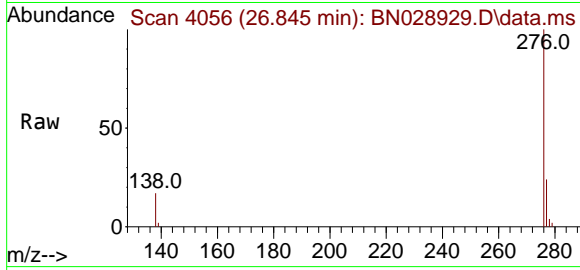
Tgt Ion:278 Resp: 94532
 Ion Ratio Lower Upper
 278 100
 139 16.9 22.6 33.8#
 279 30.6 102.6 153.8#





#41
 Benzo(g,h,i)perylene
 Concen: 9.547 ng
 RT: 26.845 min Scan# 4071
 Delta R.T. 0.003 min
 Lab File: BN028929.D
 Acq: 01 Dec 2023 02:58

Instrument :
 BNA_N
 ClientSampleId :
 L-6(0-5)



Tgt Ion: 276 Resp: 336474
 Ion Ratio Lower Upper
 276 100
 277 24.0 28.9 43.3
 138 17.1 36.2 54.2

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

