

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028926.D
 Acq On : 01 Dec 2023 01:10
 Operator : MA/JU
 Sample : 05253-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-1(65FT)(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 01:45:10 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	4527	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	13289	0.400	ng	#-0.01
13) Acenaphthene-d10	14.428	164	8455	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	14371	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	8073	0.400	ng	0.00
35) Perylene-d12	23.708	264	8999m	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	4112	0.300	ng	-0.01
5) Phenol-d6	7.031	99	4499	0.296	ng	-0.01
8) Nitrobenzene-d5	8.971	82	3351	0.254	ng	-0.01
11) 2-Methylnaphthalene-d10	12.174	152	5879	0.276	ng	-0.01
14) 2,4,6-Tribromophenol	15.918	330	1081	0.189	ng	-0.01
15) 2-Fluorobiphenyl	13.060	172	7690	0.211	ng	-0.01
27) Fluoranthene-d10	19.213	212	11526	0.305	ng	0.00
31) Terphenyl-d14	19.817	244	9259	0.401	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.637	128	402331	9.527	ng	99
12) 2-Methylnaphthalene	12.250	142	208689	7.864	ng	99
16) Acenaphthylene	14.150	152	588214	13.133	ng	100
17) Acenaphthene	14.492	154	36583	1.231	ng	# 89
18) Fluorene	15.476	166	203371	5.404	ng	# 92
25) Phenanthrene	17.221	178	1919553	40.454	ng	97
26) Anthracene	17.308	178	520242	11.862	ng	99
28) Fluoranthene	19.241	202	1791330m	36.304	ng	
30) Pyrene	19.608	202	2960867	48.032	ng	99
32) Benzo(a)anthracene	21.356	228	1045757	30.466	ng	98
33) Chrysene	21.410	228	863514	25.623	ng	95
36) Indeno(1,2,3-cd)pyrene	26.108	276	350156m	8.930	ng	
37) Benzo(b)fluoranthene	23.003	252	696139	18.909	ng	# 24
38) Benzo(k)fluoranthene	23.044	252	181737m	5.232	ng	
39) Benzo(a)pyrene	23.605	252	729954	22.199	ng	# 15
40) Dibenzo(a,h)anthracene	26.120	278	108990m	3.591	ng	
41) Benzo(g,h,i)perylene	26.845	276	415964	12.186	ng	# 67

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

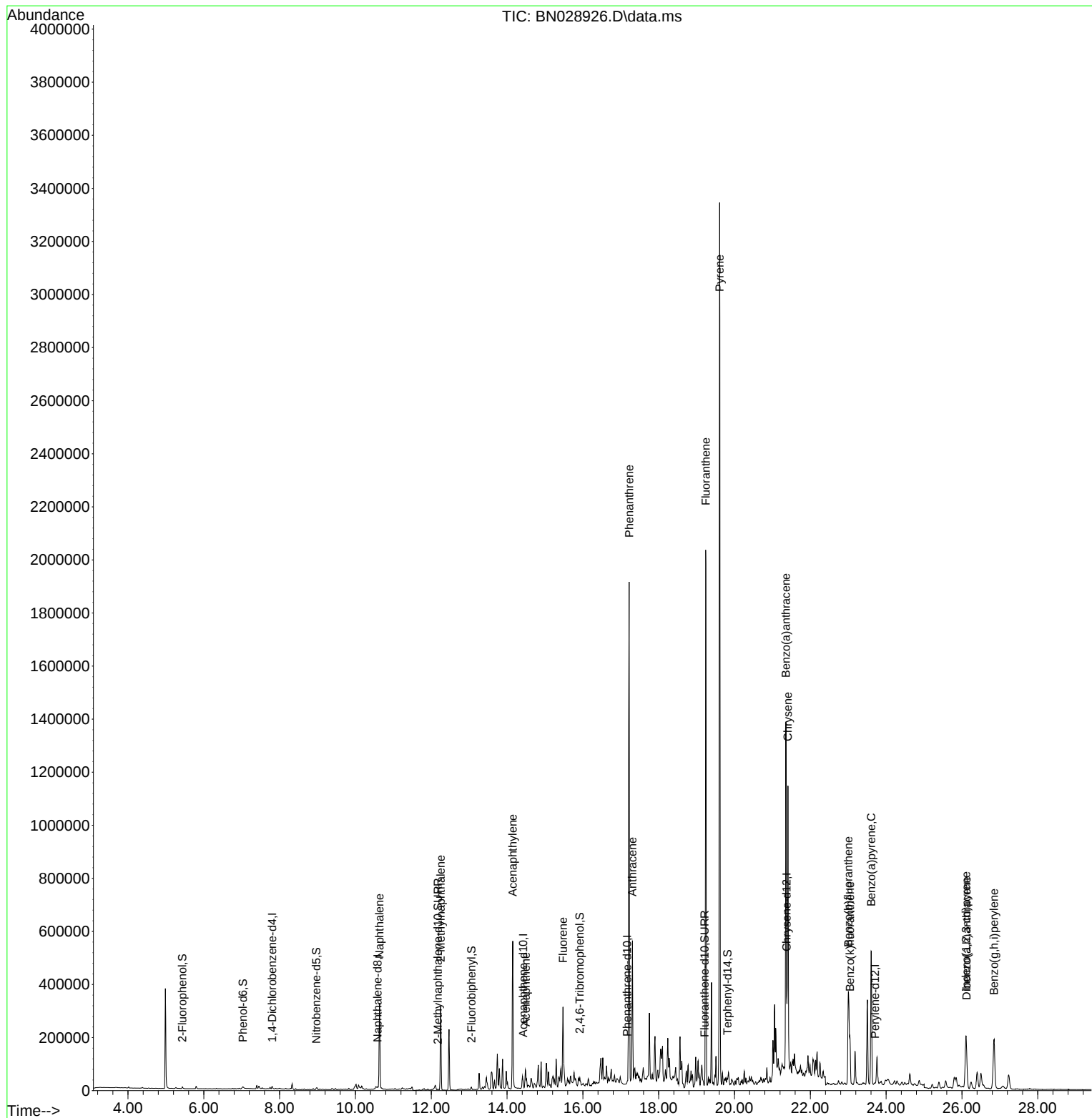
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028926.D
Acq On : 01 Dec 2023 01:10
Operator : MA/JU
Sample : 05253-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

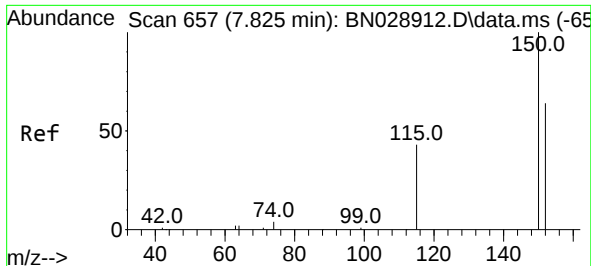
Instrument :
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ClientSampleId :
L-1(65FT)(5-10)

Manual Integrations
APPROVED

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

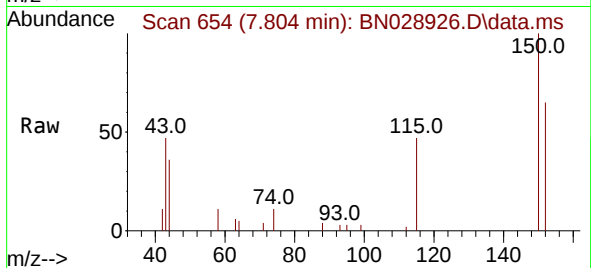
Quant Time: Dec 01 01:45:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:28:34 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

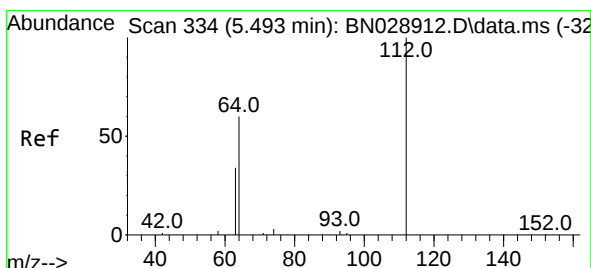
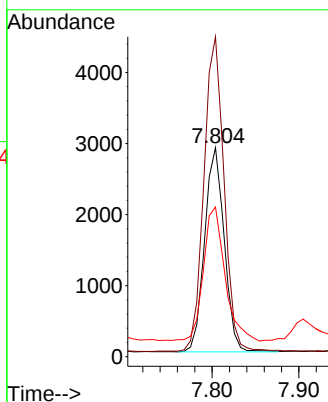
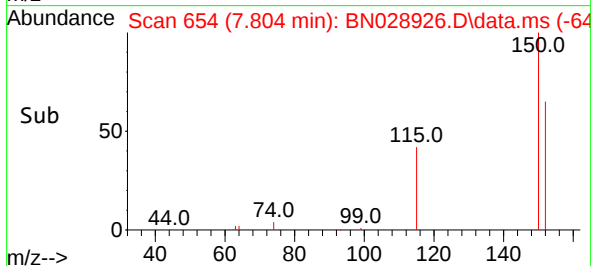
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



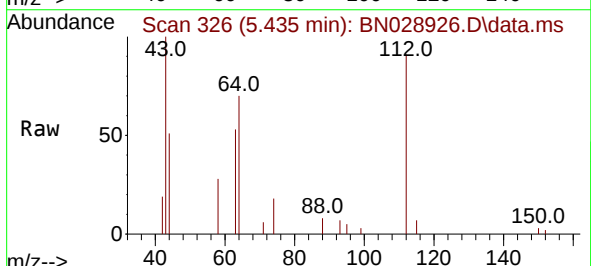
Tgt Ion:152 Resp: 452
Ion Ratio Lower Upper
152 100
150 153.0 123.4 185.2
115 71.6 59.1 88.7

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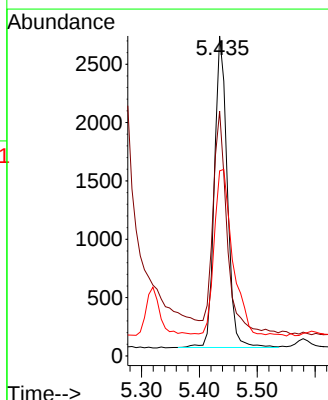
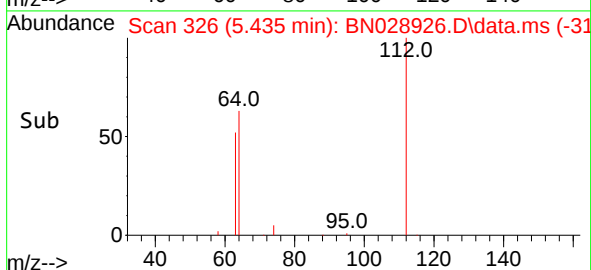
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

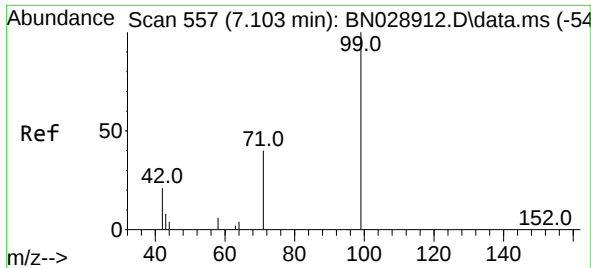


#4
2-Fluorophenol
Concen: 0.300 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10



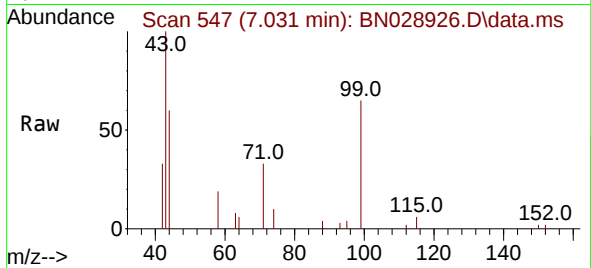
Tgt Ion:112 Resp: 4112
Ion Ratio Lower Upper
112 100
64 78.3 51.5 77.3#
63 75.3 30.4 45.6#





#5
Phenol-d6
Concen: 0.296 ng
RT: 7.031 min Scan# 549
Delta R.T. -0.014 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

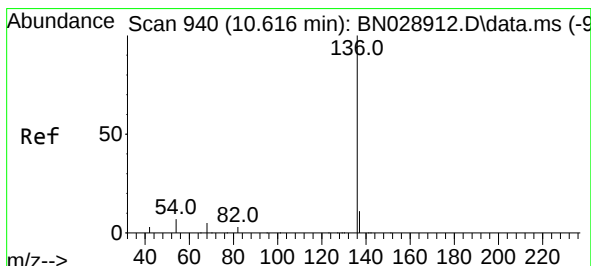
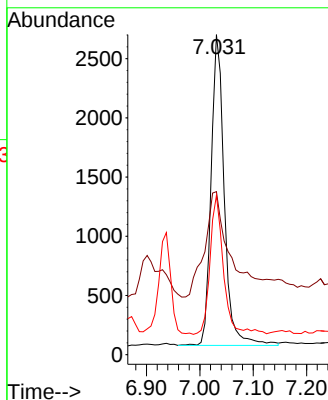
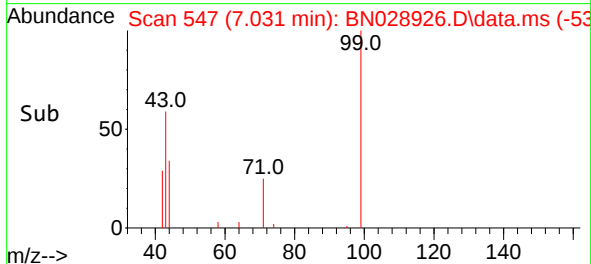
Instrument :
BNA_N
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L-1(65FT)(5-10)



Tgt Ion: 99 Resp: 4499
Ion Ratio Lower Upper
99 100
42 73.9 21.2 31.8#
71 44.4 35.4 53.0#

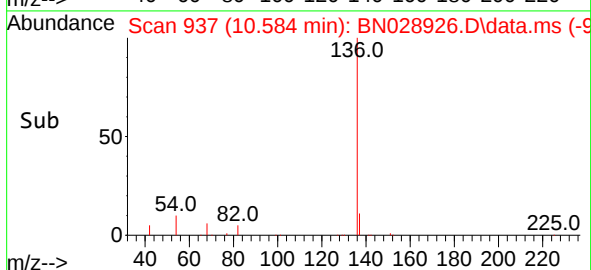
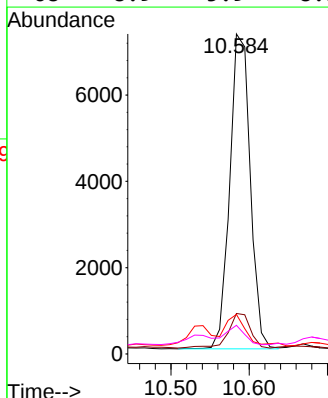
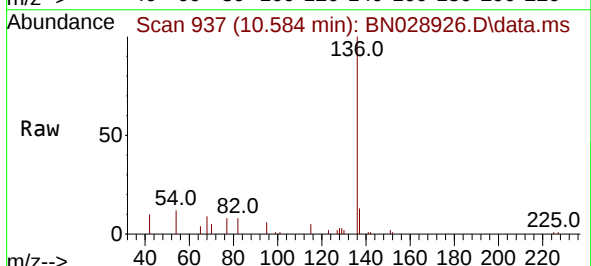
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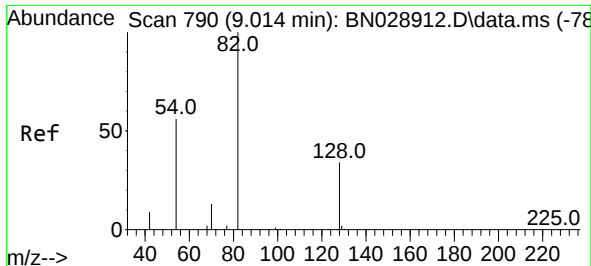
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

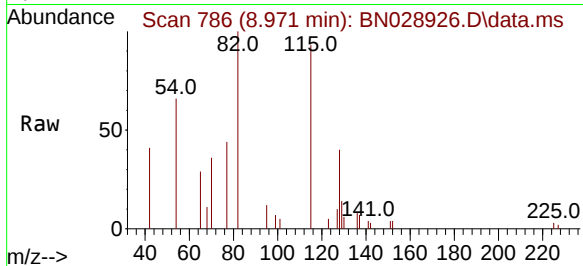
Tgt Ion:136 Resp: 13289
Ion Ratio Lower Upper
136 100
137 12.7 10.6 16.0
54 12.3 7.5 11.3#
68 8.9 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 8.971 min Scan# 790
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

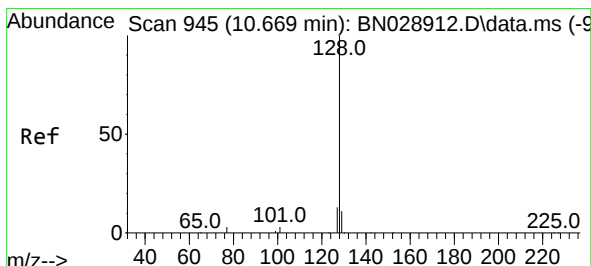
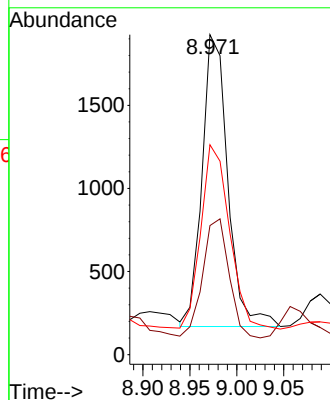
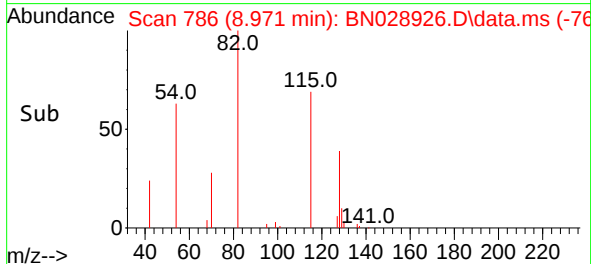
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion: 82 Resp: 335
Ion Ratio Lower Upper
82 100
128 40.4 29.2 43.8
54 65.6 47.0 70.6

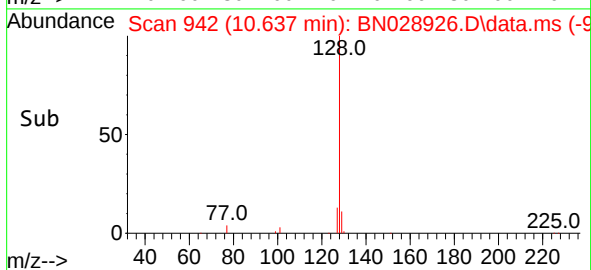
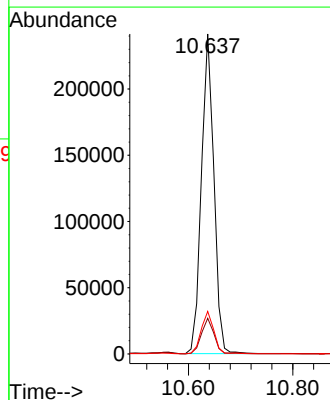
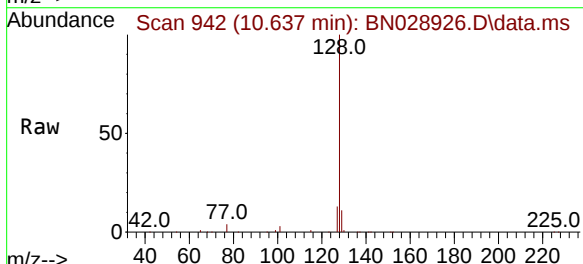
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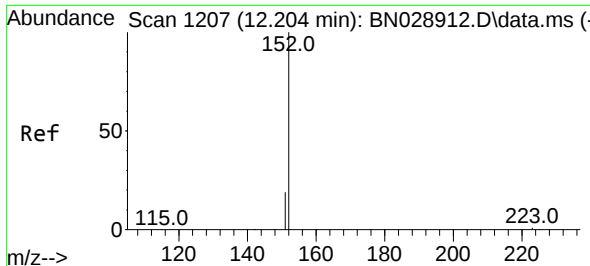
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#9
Naphthalene
Concen: 9.527 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

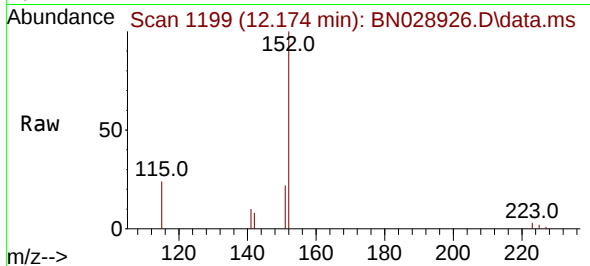
Tgt Ion:128 Resp: 402331
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 13.3 11.0 16.4





#11
2-Methylnaphthalene-d10
Concen: 0.276 ng
RT: 12.174 min Scan# 1199
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

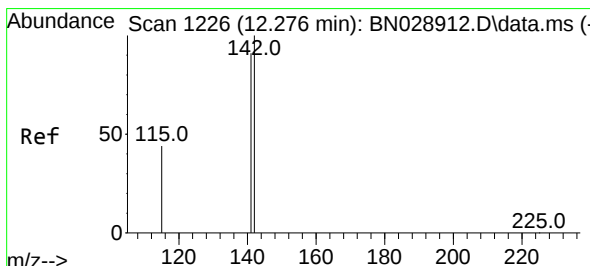
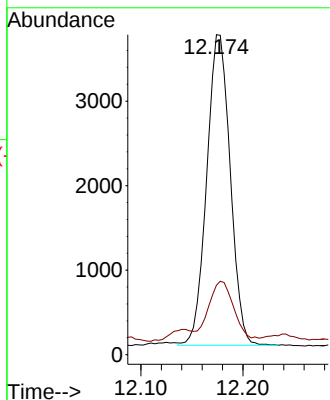
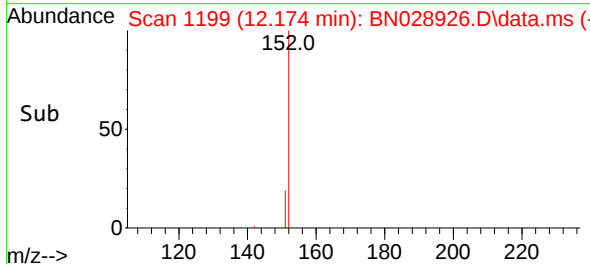
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



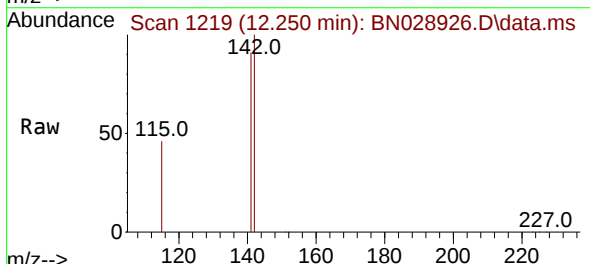
Tgt Ion:152 Resp: 5879
Ion Ratio Lower Upper
152 100
151 21.4 16.7 25.1

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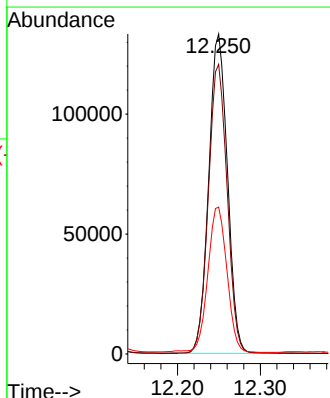
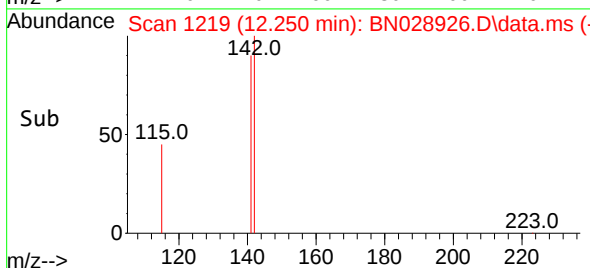
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

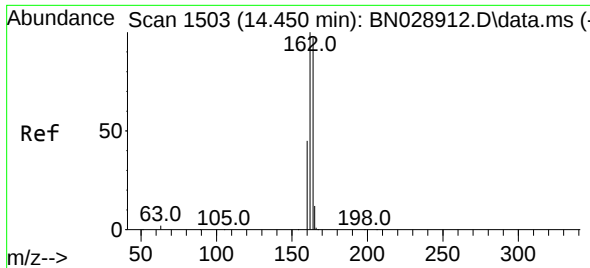


#12
2-Methylnaphthalene
Concen: 7.864 ng
RT: 12.250 min Scan# 1219
Delta R.T. -0.008 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10



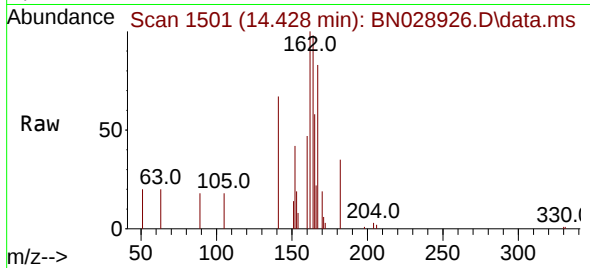
Tgt Ion:142 Resp: 208689
Ion Ratio Lower Upper
142 100
141 90.5 73.1 109.7
115 45.9 37.6 56.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

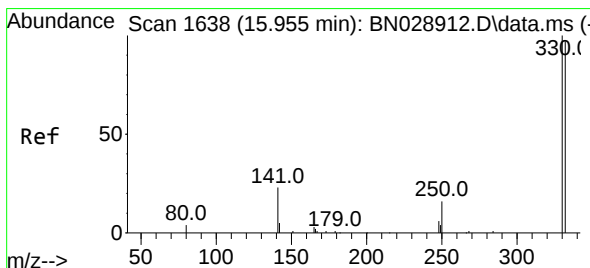
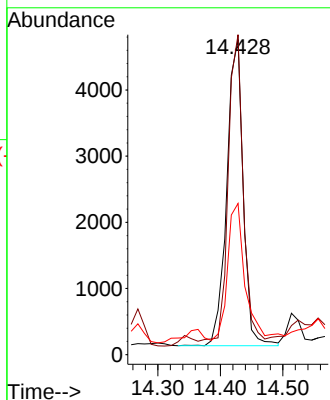
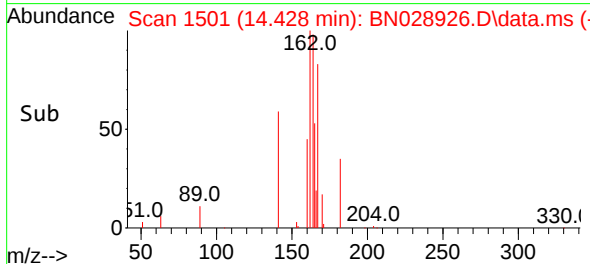
Instrument :
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ClientSampleId :
L-1(65FT)(5-10)



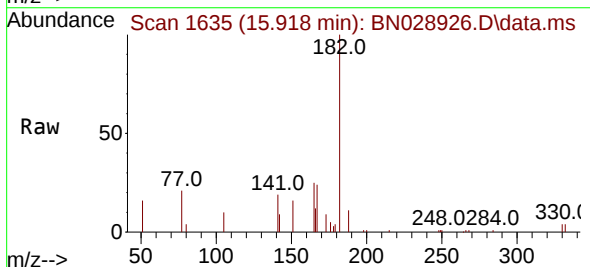
Tgt Ion:164 Resp: 845
Ion Ratio Lower Upper
164 100
162 101.6 81.7 122.5
160 48.0 37.0 55.6

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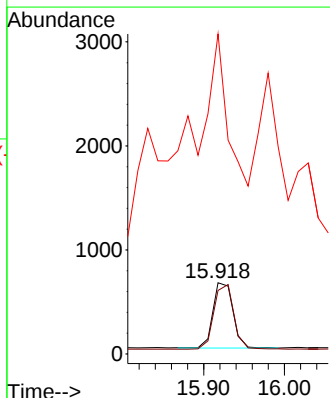
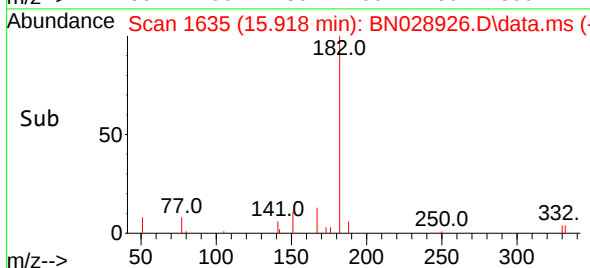
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

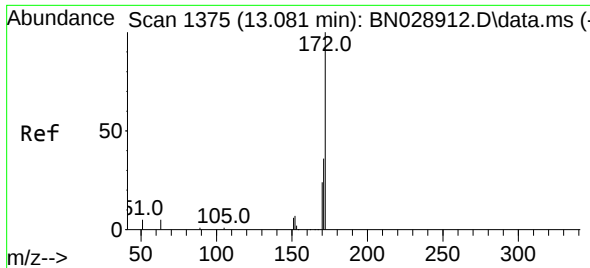


#14
2,4,6-Tribromophenol
Concen: 0.189 ng
RT: 15.918 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10



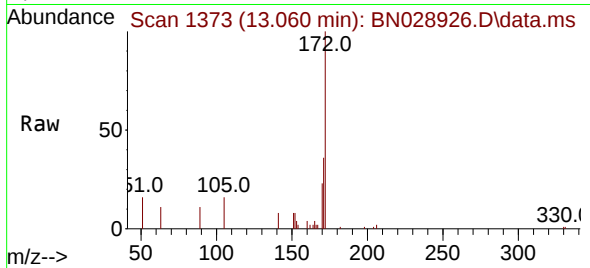
Tgt Ion:330 Resp: 1081
Ion Ratio Lower Upper
330 100
332 98.7 75.4 113.2
141 285.9 35.7 53.5#





#15
2-Fluorobiphenyl
Concen: 0.211 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

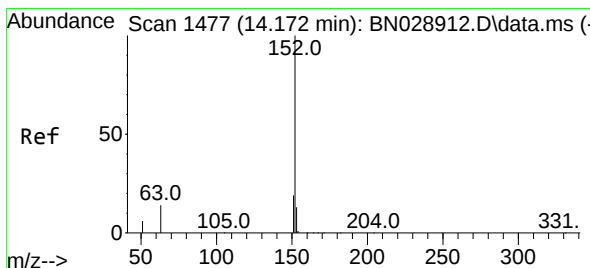
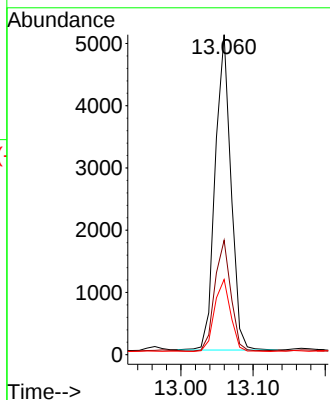
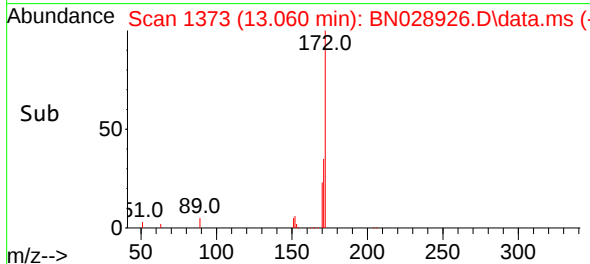
Instrument :
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Tgt Ion:172 Resp: 7690
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 23.5 19.7 29.5

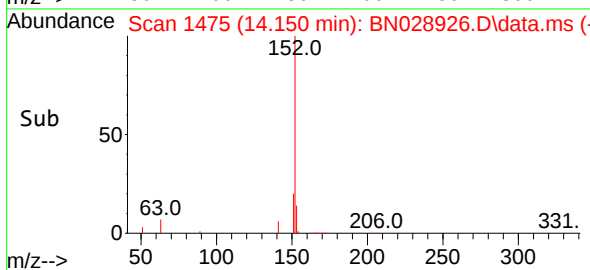
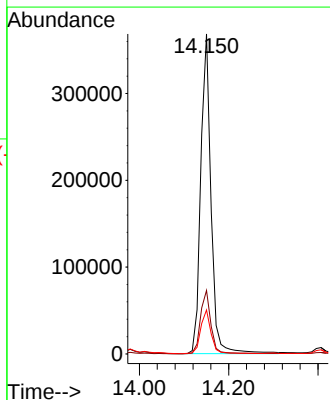
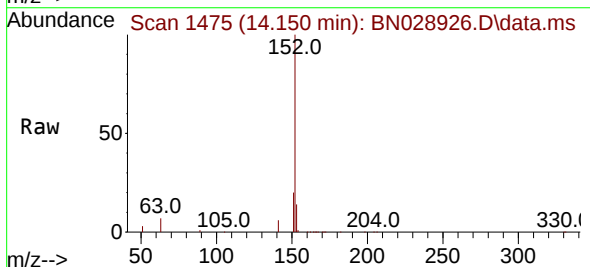
Manual Integrations
APPROVED

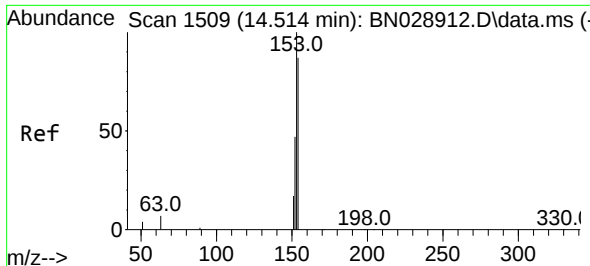
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#16
Acenaphthylene
Concen: 13.133 ng
RT: 14.150 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

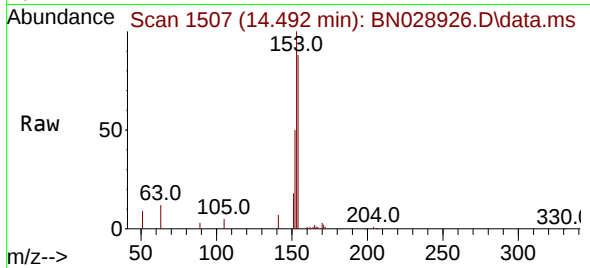
Tgt Ion:152 Resp: 588214
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.7 10.8 16.2





#17
Acenaphthene
Concen: 1.231 ng
RT: 14.492 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

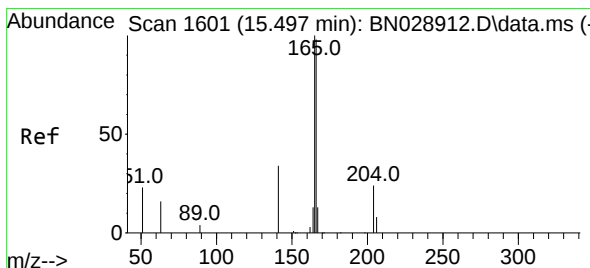
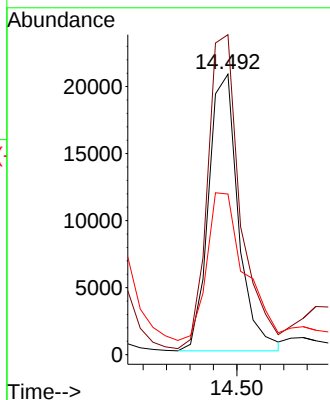
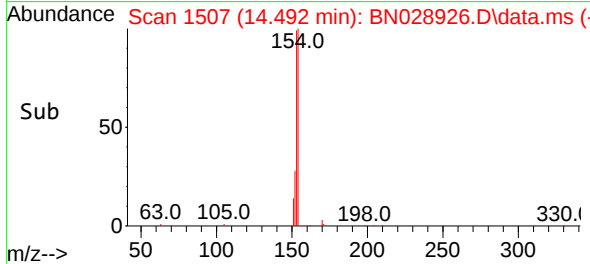
Instrument :
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ClientSampleId :
L-1(65FT)(5-10)



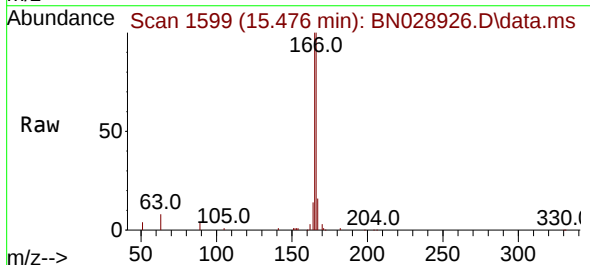
Tgt Ion:154 Resp: 3658
Ion Ratio Lower Upper
154 100
153 124.8 93.8 140.6
152 68.9 44.5 66.7

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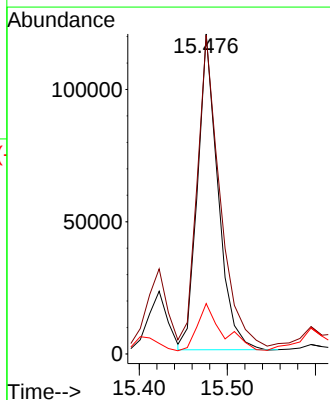
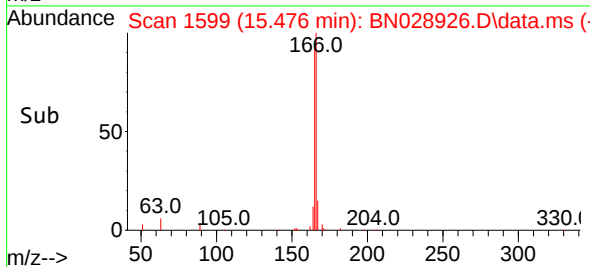
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

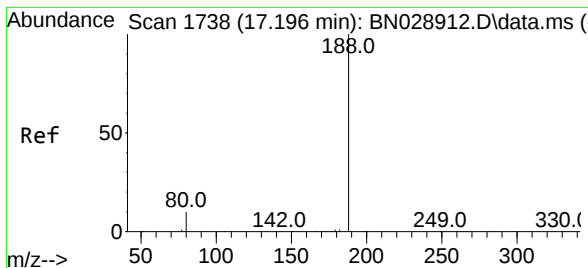


#18
Fluorene
Concen: 5.404 ng
RT: 15.476 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10



Tgt Ion:166 Resp: 203371
Ion Ratio Lower Upper
166 100
165 107.1 79.4 119.2
167 17.9 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.171 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BNA_N

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:188 Resp: 1437

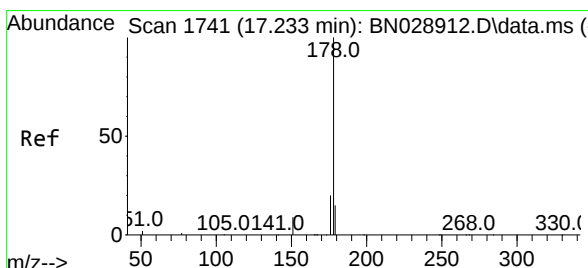
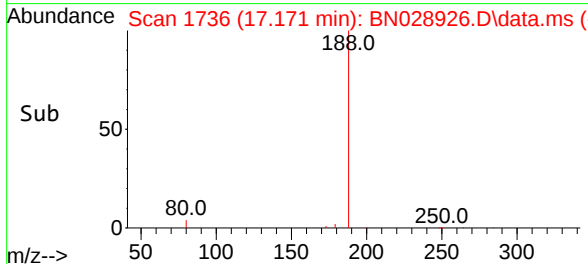
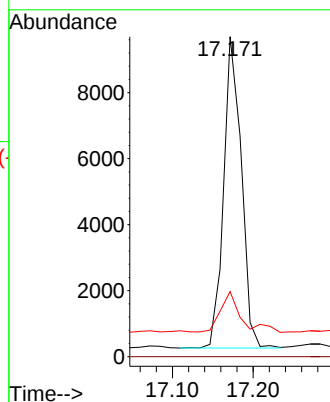
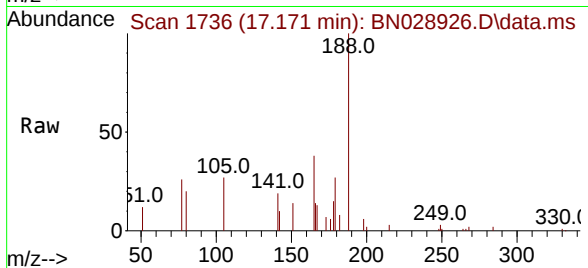
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	20.4	9.0	13.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#25

Phenanthrene

Concen: 40.454 ng

RT: 17.221 min Scan# 1740

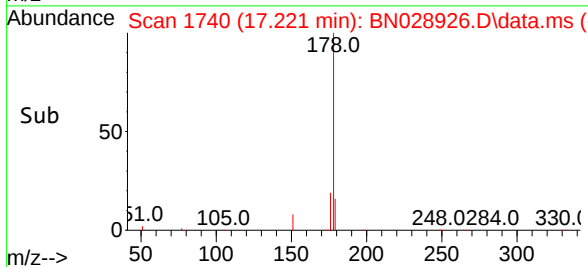
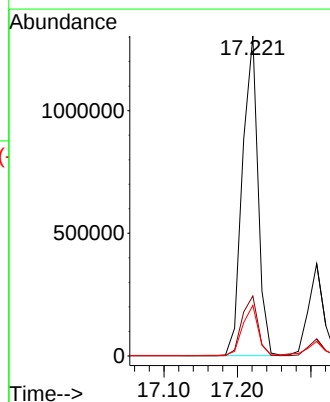
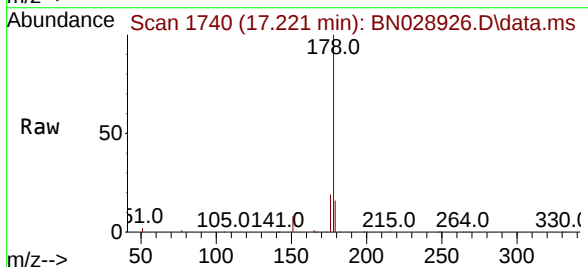
Delta R.T. 0.000 min

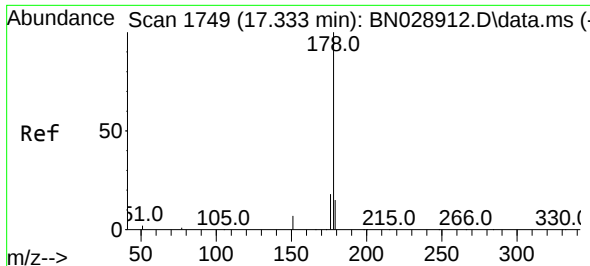
Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Tgt Ion:178 Resp: 1919553

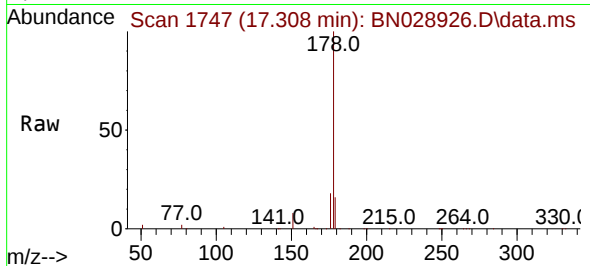
Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.4	24.6
179	15.8	14.1	21.1





#26
 Anthracene
 Concen: 11.862 ng
 RT: 17.308 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028926.D
 Acq: 01 Dec 2023 01:10

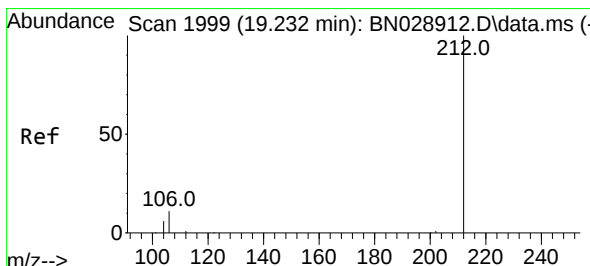
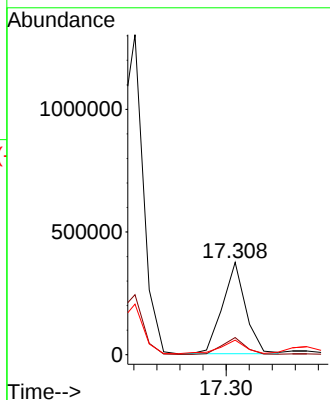
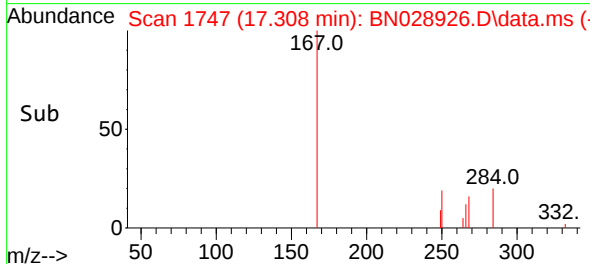
Instrument :
 BNA_N
 ClientSampleId :
 L-1(65FT)(5-10)



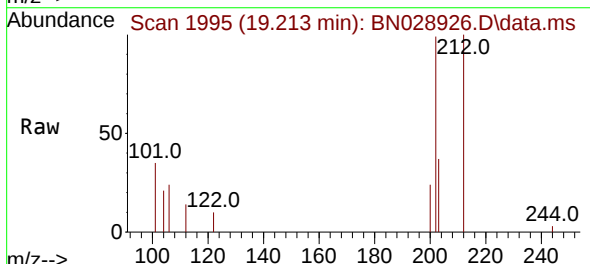
Tgt Ion:178 Resp: 52024
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 15.5 12.2 18.2

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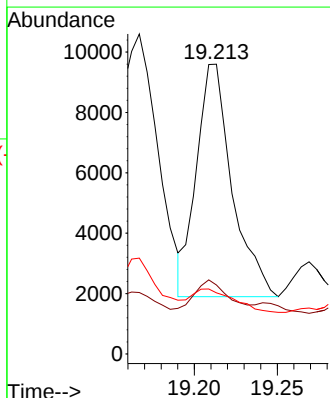
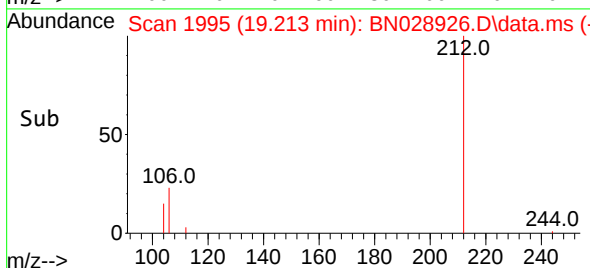
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

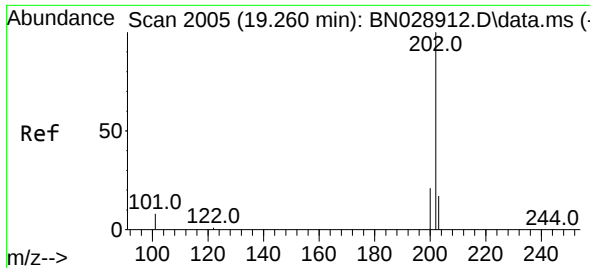


#27
 Fluoranthene-d10
 Concen: 0.305 ng
 RT: 19.213 min Scan# 1995
 Delta R.T. 0.000 min
 Lab File: BN028926.D
 Acq: 01 Dec 2023 01:10



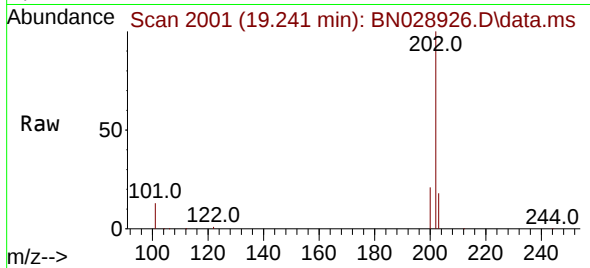
Tgt Ion:212 Resp: 11526
 Ion Ratio Lower Upper
 212 100
 106 10.6 9.4 14.2
 104 14.6 6.2 9.2#





#28
Fluoranthene
Concen: 36.304 ng m
RT: 19.241 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

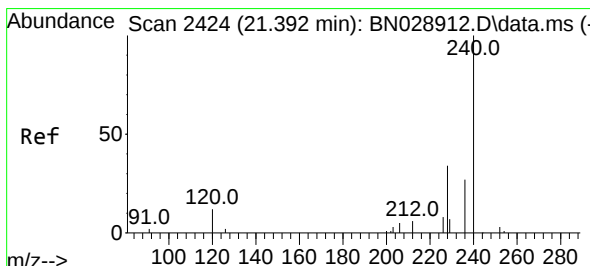
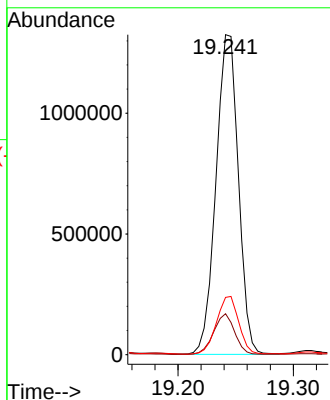
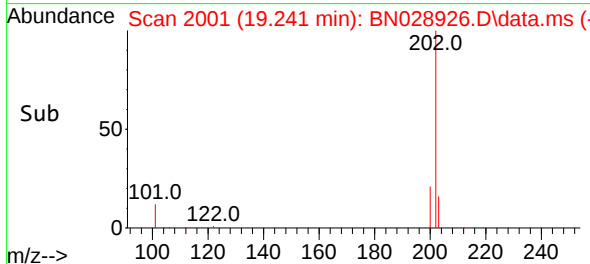
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:202 Resp: 1791330
Ion Ratio Lower Upper
202 100
101 1.8 7.3 10.9
203 2.9 14.1 21.1

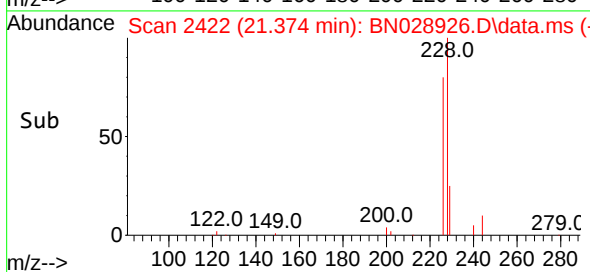
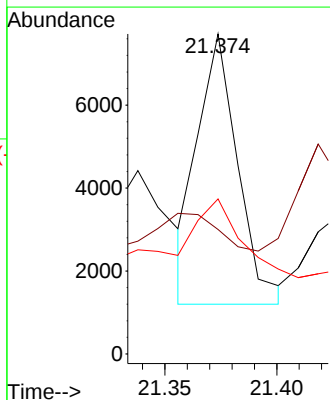
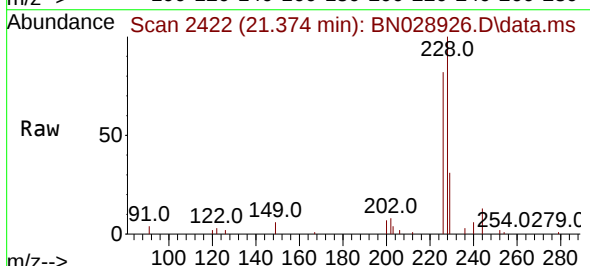
Manual Integrations
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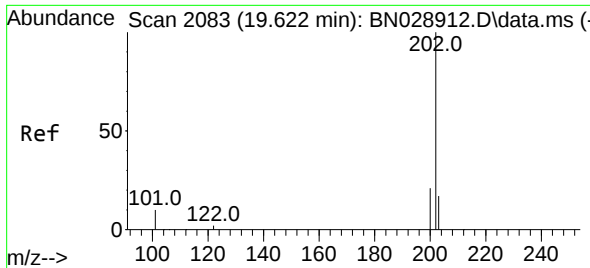
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.374 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:240 Resp: 8073
Ion Ratio Lower Upper
240 100
120 38.9 37.1 55.7
236 48.5 32.4 48.6





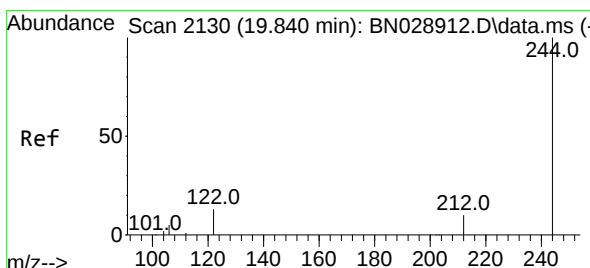
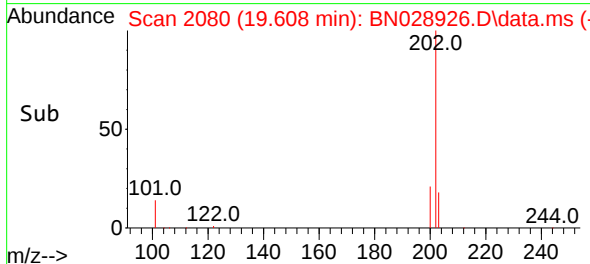
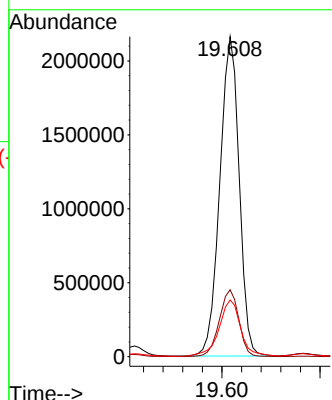
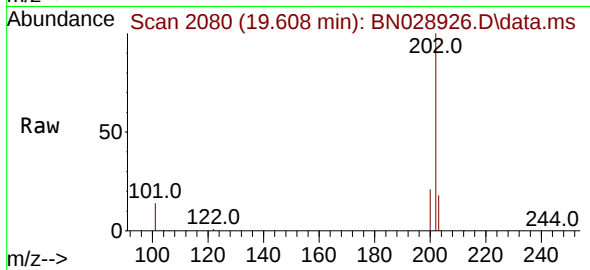
#30
Pyrene
Concen: 48.032 ng
RT: 19.608 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion:202 Resp: 296086
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 19.5 14.8 22.2

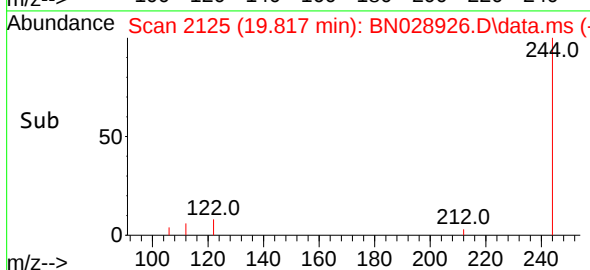
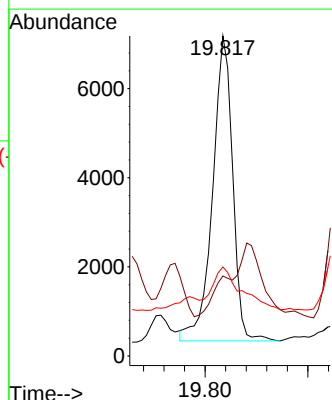
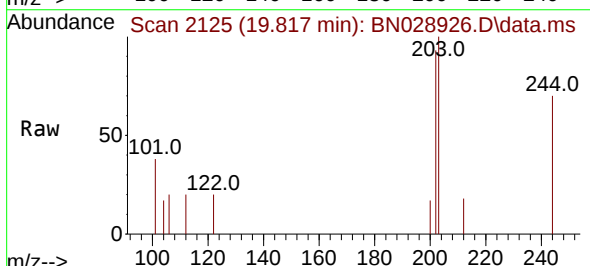
Manual Integrations
APPROVED

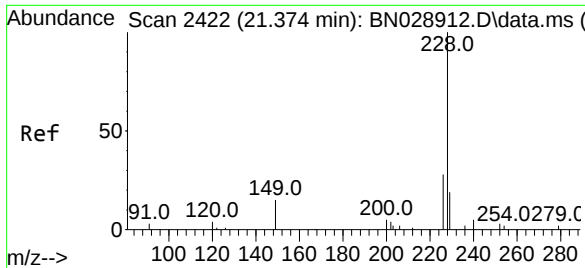
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.817 min Scan# 2125
Delta R.T. -0.005 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

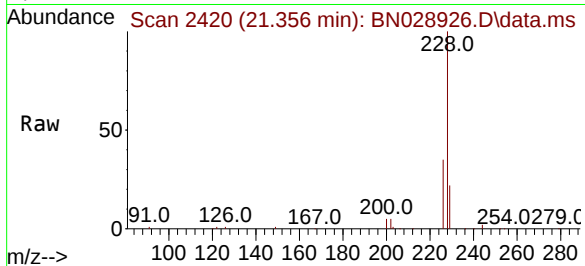
Tgt Ion:244 Resp: 9259
Ion Ratio Lower Upper
244 100
212 25.0 11.5 17.3#
122 27.8 13.2 19.8#





#32
Benzo(a)anthracene
Concen: 30.466 ng
RT: 21.356 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

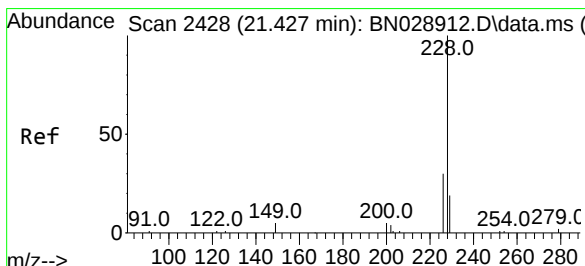
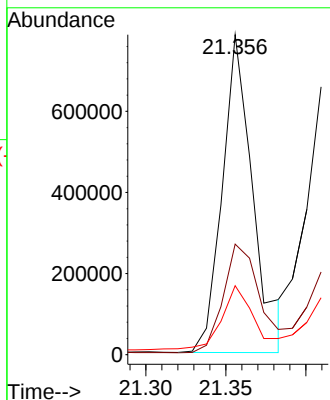
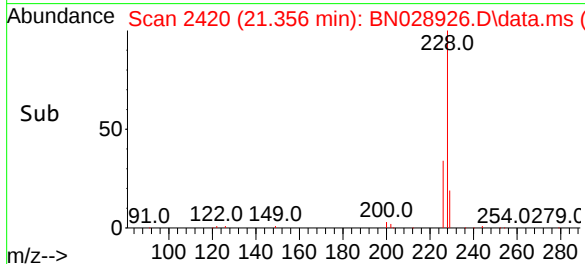
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



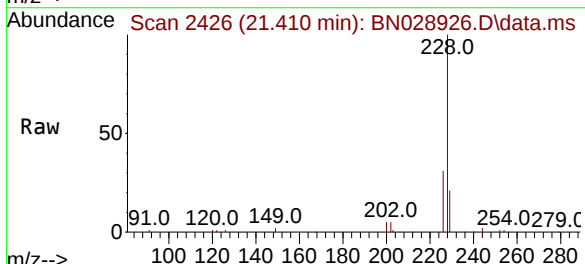
Tgt Ion:228 Resp: 104575
Ion Ratio Lower Upper
228 100
226 34.6 26.5 39.7
229 21.6 16.4 24.6

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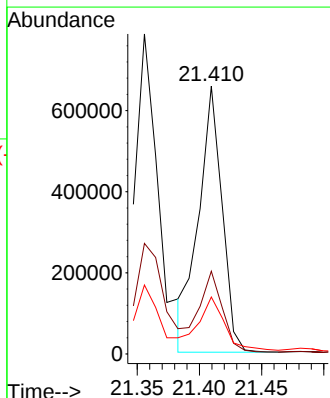
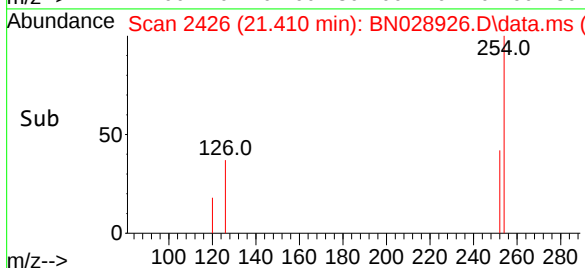
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

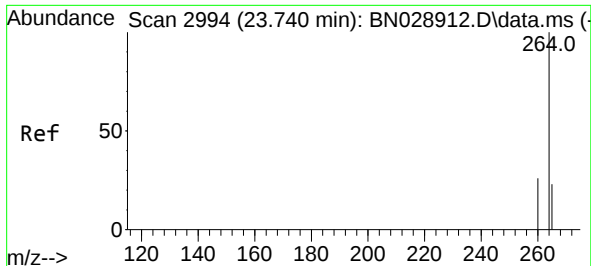


#33
Chrysene
Concen: 25.623 ng
RT: 21.410 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10



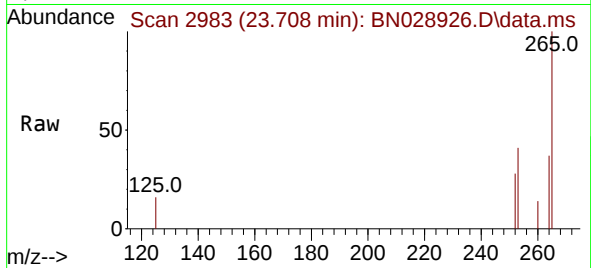
Tgt Ion:228 Resp: 863514
Ion Ratio Lower Upper
228 100
226 30.9 28.3 42.5
229 21.3 16.4 24.6





#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.708 min Scan# 2994
Delta R.T. -0.006 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

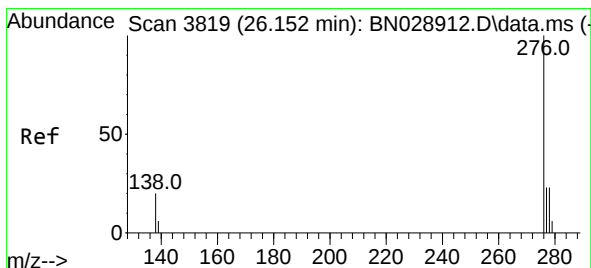
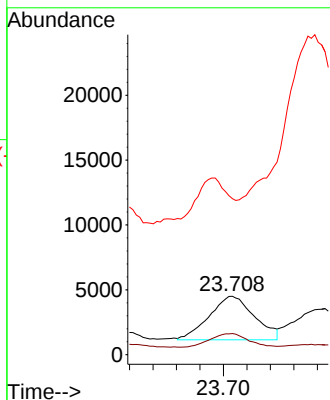
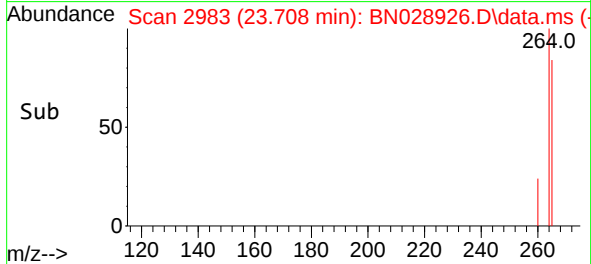
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:264 Resp: 8998
Ion Ratio Lower Upper
264 100
260 36.2 20.6 30.8#
265 267.1 464.5 696.7#

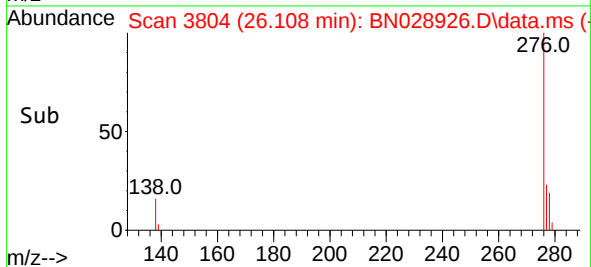
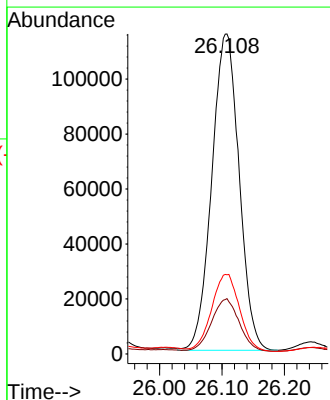
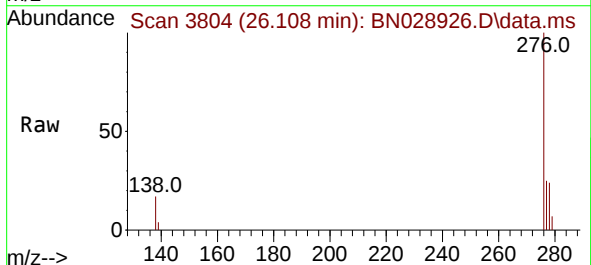
Manual Integrations
APPROVED

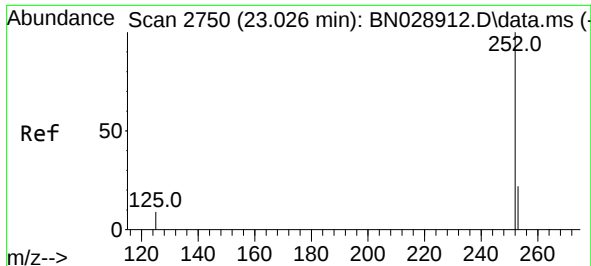
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 8.930 ng m
RT: 26.108 min Scan# 3804
Delta R.T. -0.003 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

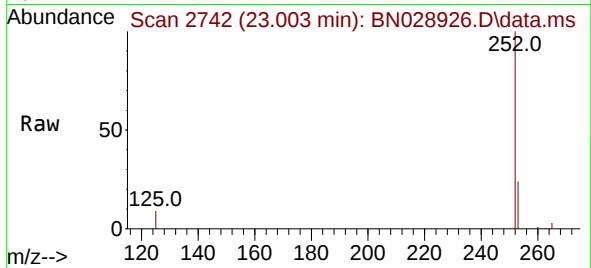
Tgt Ion:276 Resp: 350156
Ion Ratio Lower Upper
276 100
138 1.3 20.9 31.3#
277 1.7 20.2 30.4#





#37
Benzo(b)fluoranthene
Concen: 18.909 ng
RT: 23.003 min Scan# 2742
Delta R.T. 0.000 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

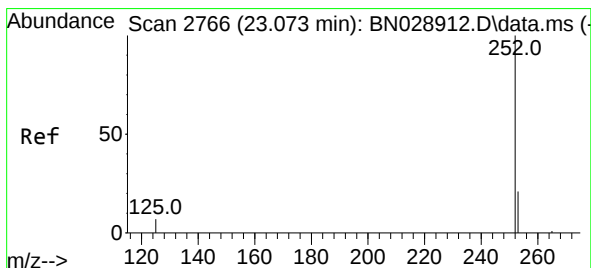
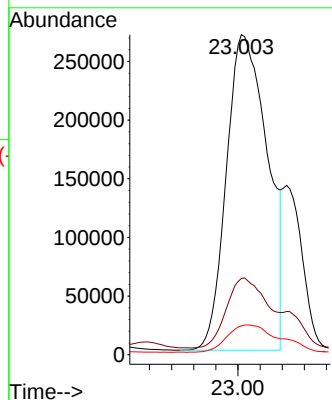
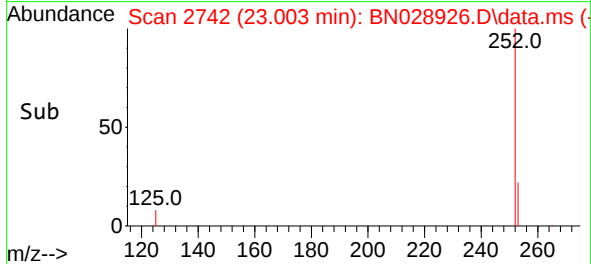
Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:252 Resp: 696139
Ion Ratio Lower Upper
252 100
253 23.8 94.5 141.7#
125 9.0 23.8 35.8#

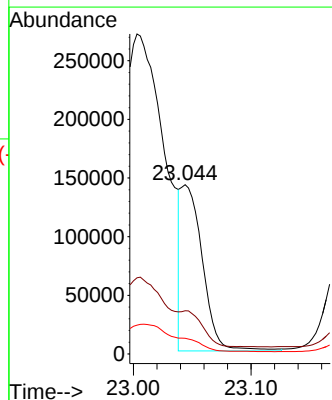
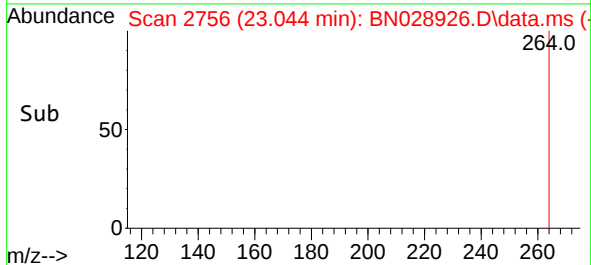
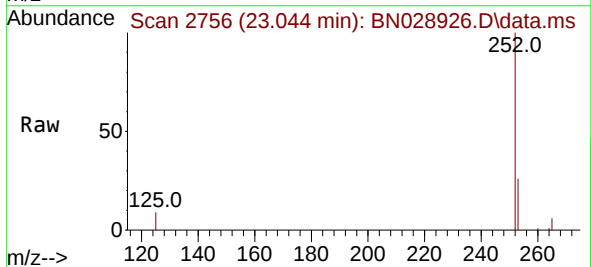
Manual Integrations
APPROVED

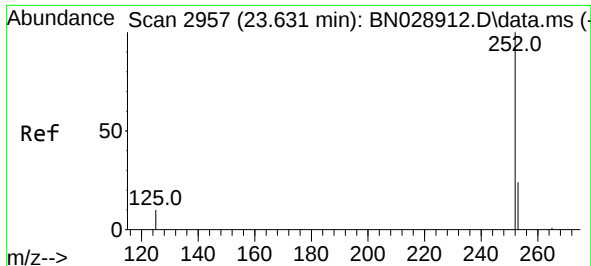
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#38
Benzo(k)fluoranthene
Concen: 5.232 ng m
RT: 23.044 min Scan# 2756
Delta R.T. -0.006 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Tgt Ion:252 Resp: 181737
Ion Ratio Lower Upper
252 100
253 25.5 95.2 142.8#
125 9.2 24.3 36.5#





#39

Benzo(a)pyrene

Concen: 22.199 ng

RT: 23.605 min Scan# 2957

Delta R.T. 0.000 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

Instrument :

BN028912.D

ClientSampleId :

L-1(65FT)(5-10)

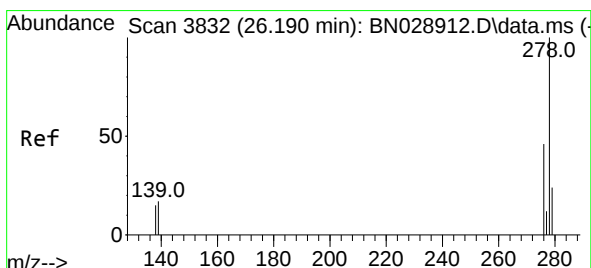
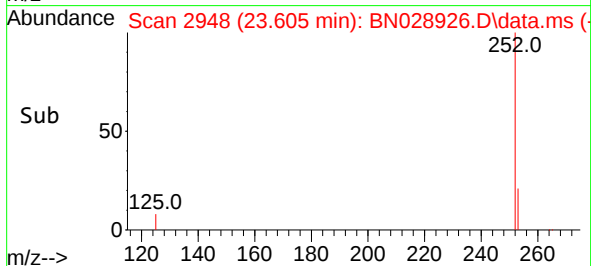
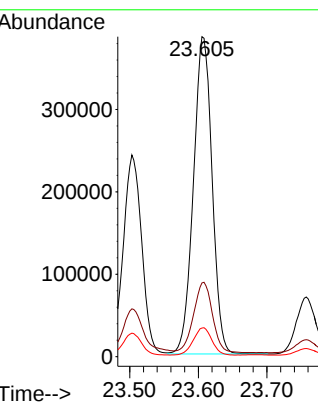
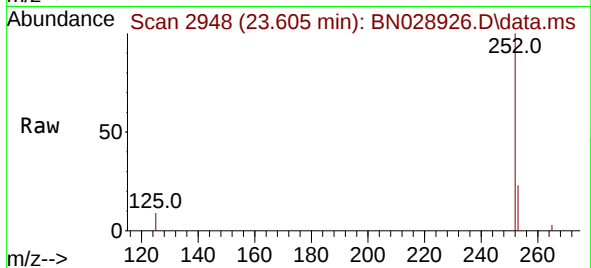
Tgt Ion:252 Resp: 729954
 Ion Ratio Lower Upper
 252 100
 253 23.1 110.2 165.4#
 125 9.0 27.0 40.4#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#40

Dibenzo(a,h)anthracene

Concen: 3.591 ng m

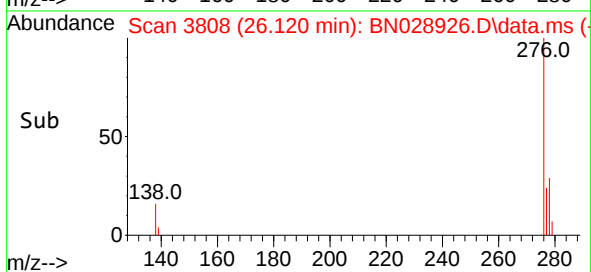
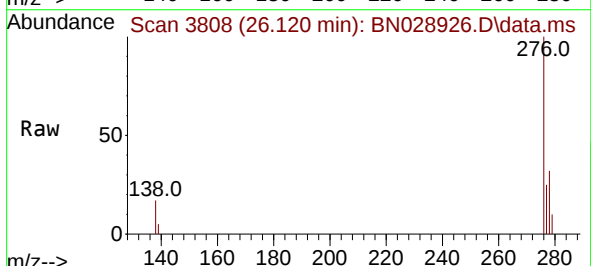
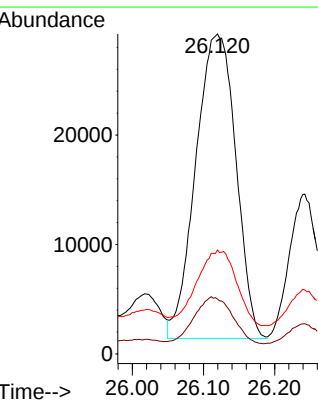
RT: 26.120 min Scan# 3808

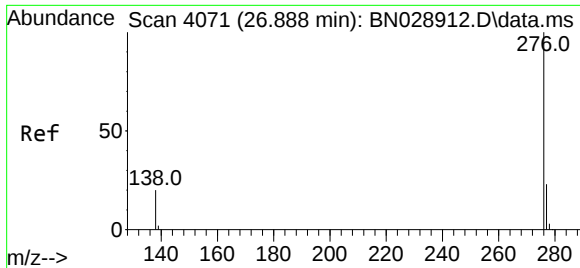
Delta R.T. -0.020 min

Lab File: BN028926.D

Acq: 01 Dec 2023 01:10

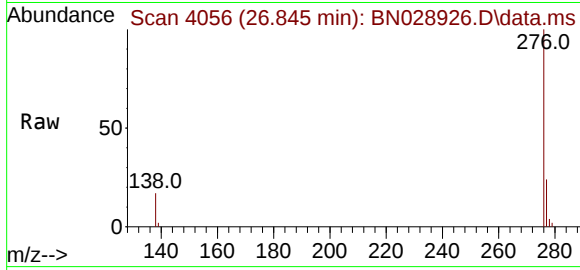
Tgt Ion:278 Resp: 108990
 Ion Ratio Lower Upper
 278 100
 139 17.2 22.6 33.8#
 279 32.5 102.6 153.8#





#41
Benzo(g,h,i)perylene
Concen: 12.186 ng
RT: 26.845 min Scan# 4071
Delta R.T. 0.003 min
Lab File: BN028926.D
Acq: 01 Dec 2023 01:10

Instrument :
BNA_N
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:276 Resp: 415964
Ion Ratio Lower Upper
276 100
277 24.1 28.9 43.3
138 16.9 36.2 54.2

Manual Integrations
APPROVED

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

