

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028931.D
 Acq On : 01 Dec 2023 04:09
 Operator : MA/JU
 Sample : 05253-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 L-3(195FT)(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 04:43:20 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	4322	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	13279	0.400	ng	# 0.00
13) Acenaphthene-d10	14.418	164	25082	0.400	ng	#-0.01
19) Phenanthrene-d10	17.184	188	13076	0.400	ng	# 0.00
29) Chrysene-d12	21.383	240	7437m	0.400	ng	0.00
35) Perylene-d12	23.713	264	13933m	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3542	0.270	ng	-0.01
5) Phenol-d6	7.031	99	3807	0.262	ng	-0.01
8) Nitrobenzene-d5	8.982	82	2872	0.218	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	4881	0.229	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	920	0.054	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6841	0.063	ng	-0.01
27) Fluoranthene-d10	19.181	212	37043m	1.077	ng	-0.03
31) Terphenyl-d14	19.822	244	7080	0.358	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.658	128	19185862	454.664	ng	96
12) 2-Methylnaphthalene	12.272	142	7425541	280.043	ng	96
16) Acenaphthylene	14.161	152	2462717	18.535	ng	97
17) Acenaphthene	14.503	154	2938499	33.319	ng	98
18) Fluorene	15.487	166	2698314	24.169	ng	98
25) Phenanthrene	17.246	178	13946138	323.020	ng	99
26) Anthracene	17.320	178	4212053	105.547	ng	99
28) Fluoranthene	19.264	202	5526868m	123.105	ng	
30) Pyrene	19.631	202	9691400	170.423	ng	97
32) Benzo(a)anthracene	21.374	228	3310565	104.696	ng	91
33) Chrysene	21.427	228	2786249m	89.745	ng	
34) Bis(2-ethylhexyl)phtha...	21.311	149	13990	0.225	ng	# 80
36) Indeno(1,2,3-cd)pyrene	26.158	276	917344m	15.110	ng	
37) Benzo(b)fluoranthene	23.032	252	2033621	35.677	ng	# 24
38) Benzo(k)fluoranthene	23.067	252	653062m	12.143	ng	
39) Benzo(a)pyrene	23.637	252	2446351	48.051	ng	# 16
40) Dibenzo(a,h)anthracene	26.169	278	297050m	6.322	ng	
41) Benzo(g,h,i)perylene	26.906	276	1017012	19.244	ng	# 68

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

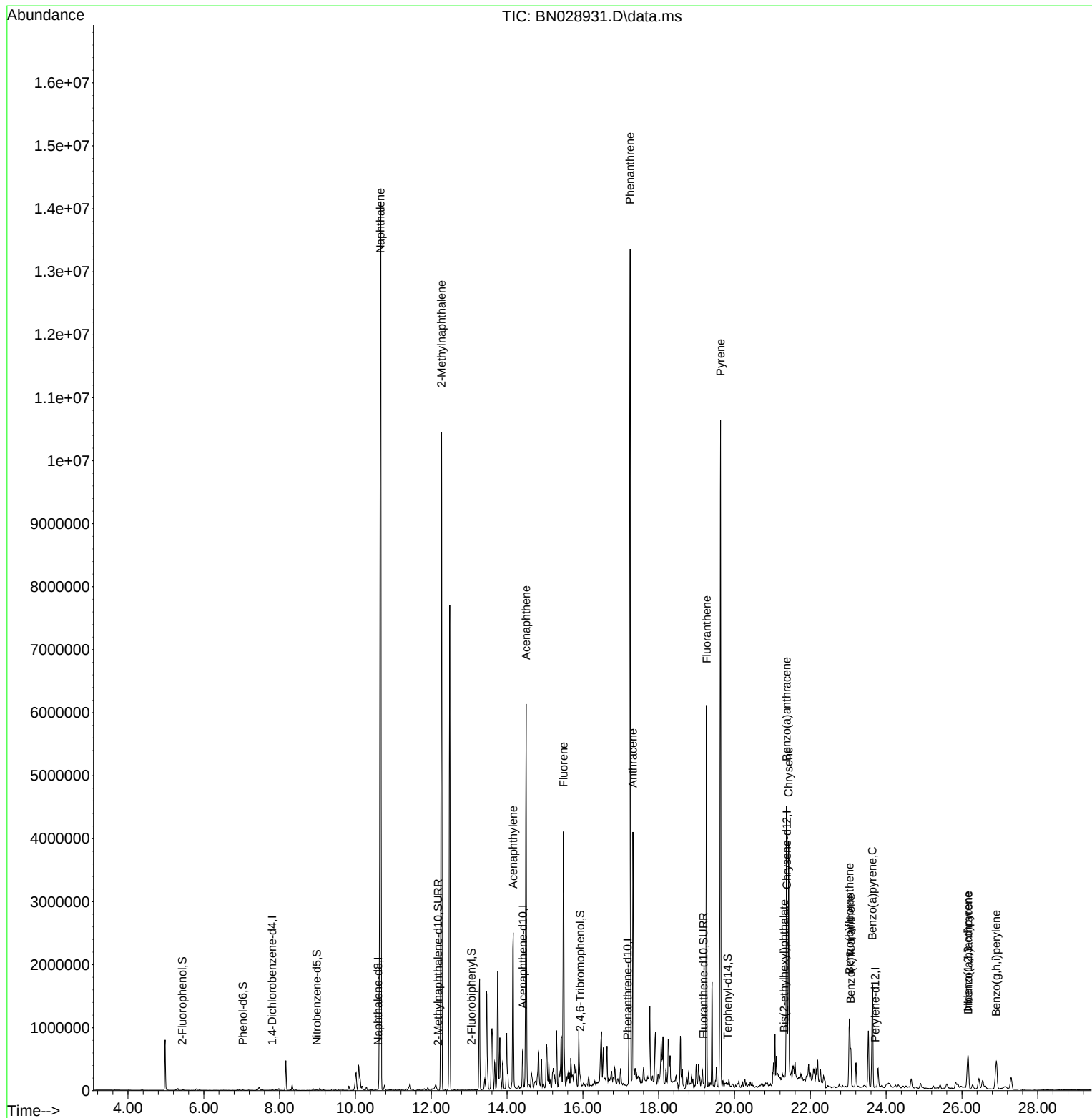
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028931.D
Acq On : 01 Dec 2023 04:09
Operator : MA/JU
Sample : 05253-04
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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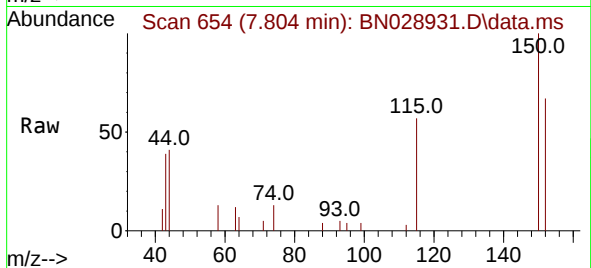
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

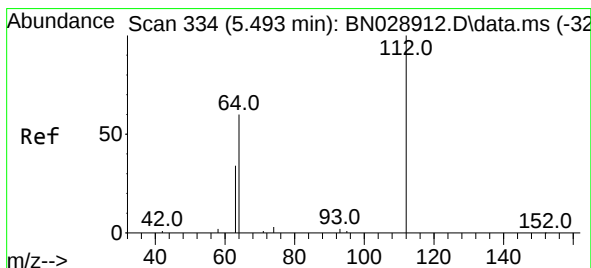
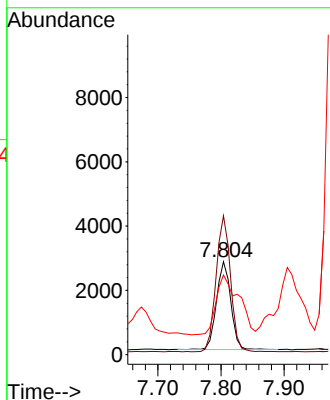
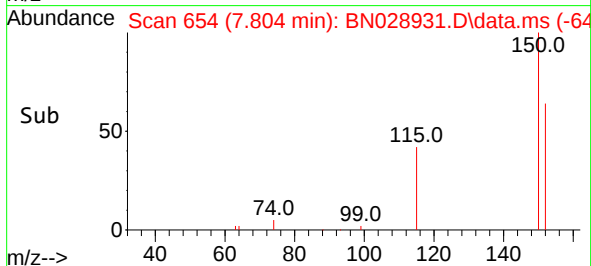


Tgt Ion:152 Resp: 432
Ion Ratio Lower Upper
152 100
150 149.4 123.4 185.2
115 85.8 59.1 88.7

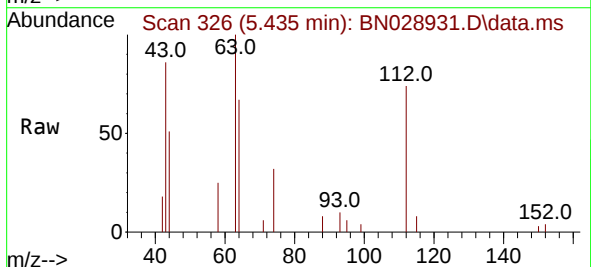
Manual Integrations

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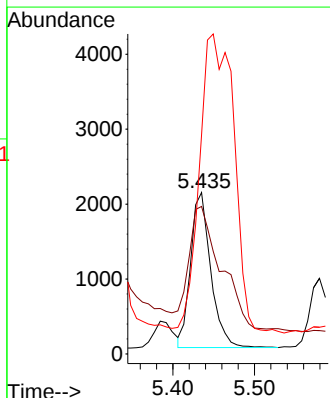
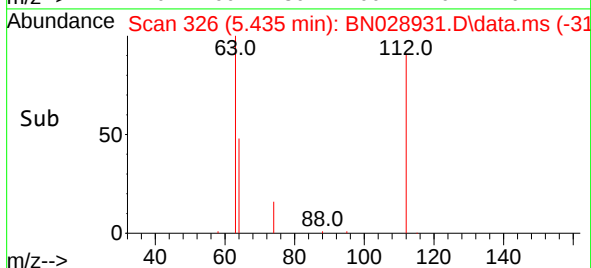
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

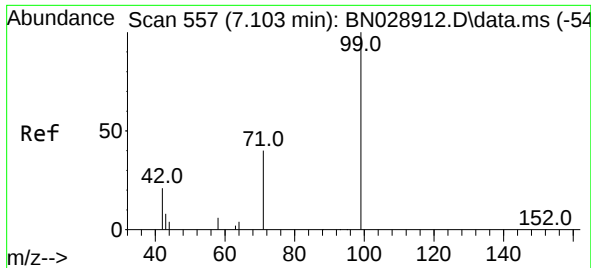


#4
2-Fluorophenol
Concen: 0.270 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



Tgt Ion:112 Resp: 3542
Ion Ratio Lower Upper
112 100
64 135.1 51.5 77.3#
63 330.8 30.4 45.6#





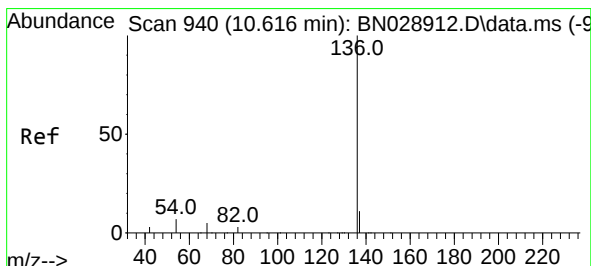
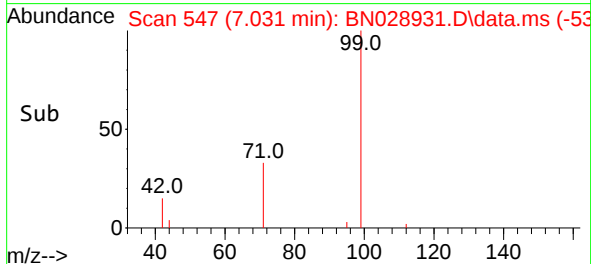
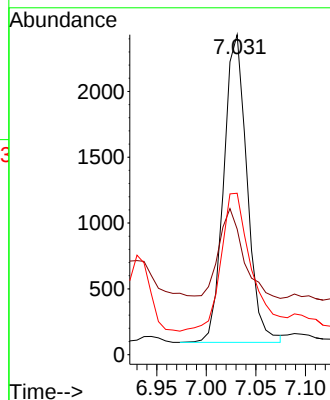
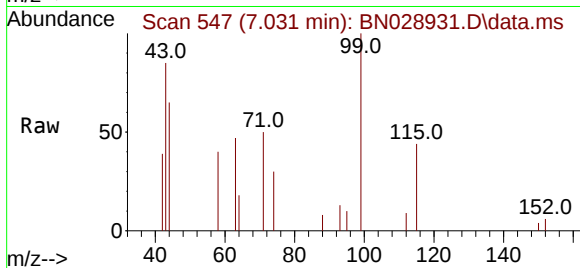
#5
Phenol-d6
Concen: 0.262 ng
RT: 7.031 min Scan# 54
Delta R.T. -0.014 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

Tgt Ion: 99 Resp: 380
Ion Ratio Lower Upper
99 100
42 31.3 21.2 31.8
71 59.4 35.4 53.0

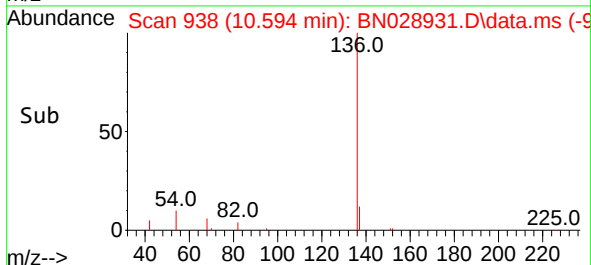
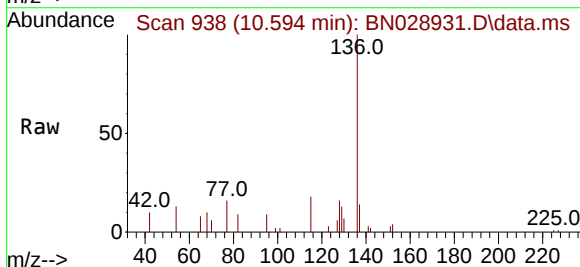
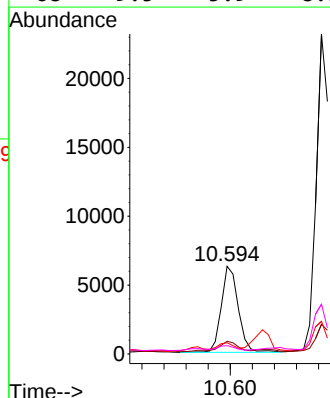
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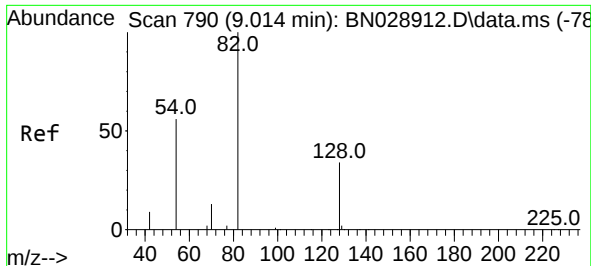
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:136 Resp: 13279
Ion Ratio Lower Upper
136 100
137 14.3 10.6 16.0
54 12.8 7.5 11.3#
68 9.5 5.9 8.9#





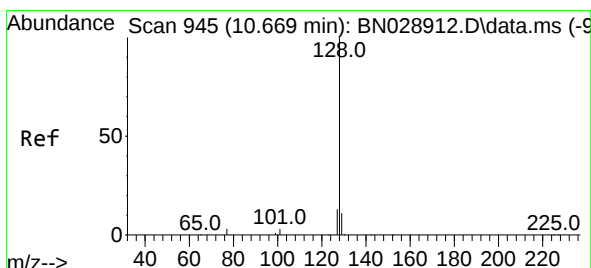
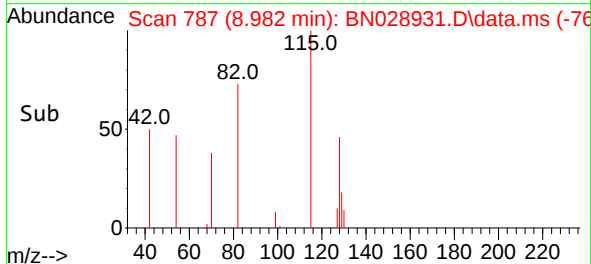
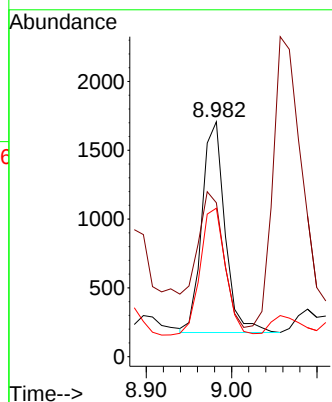
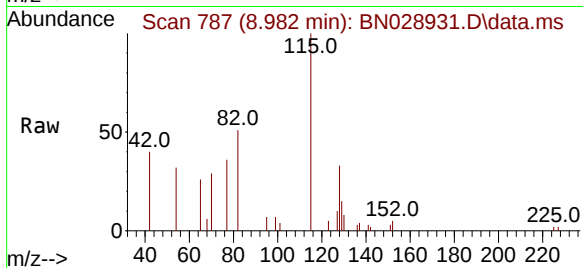
#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.982 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

Tgt Ion: 82 Resp: 287
Ion Ratio Lower Upper
82 100
128 65.5 29.2 43.8
54 63.2 47.0 70.6

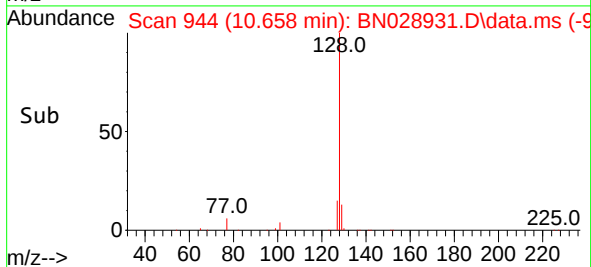
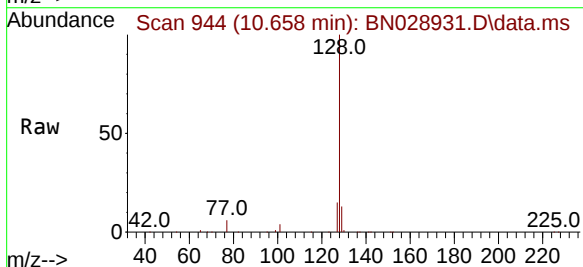
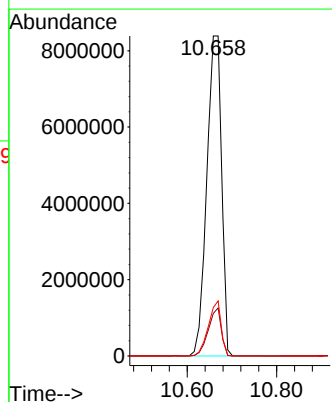
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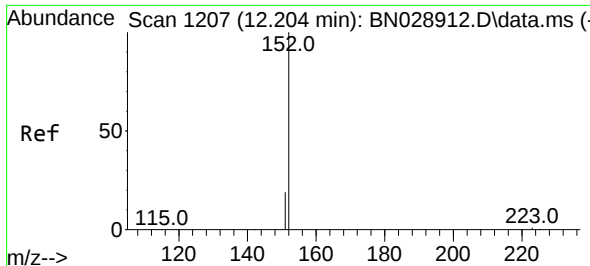
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#9
Naphthalene
Concen: 454.664 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:128 Resp:19185862
Ion Ratio Lower Upper
128 100
129 13.3 9.5 14.3
127 15.2 11.0 16.4





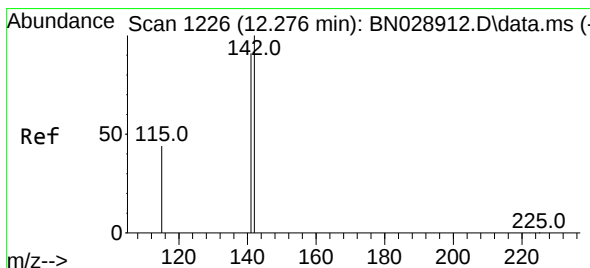
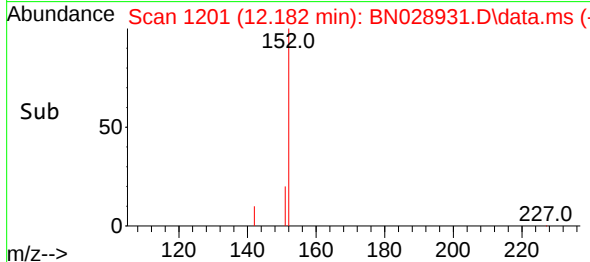
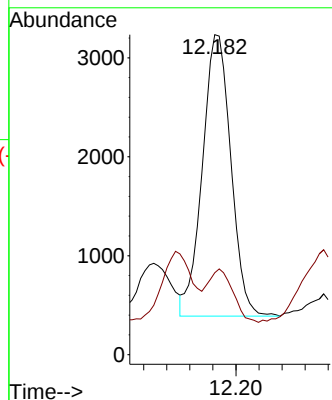
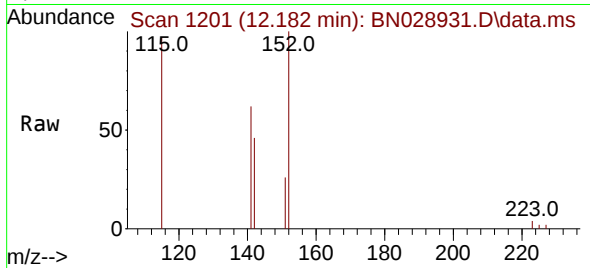
#11
2-Methylnaphthalene-d10
Concen: 0.229 ng
RT: 12.182 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

Tgt Ion:152 Resp: 488
Ion Ratio Lower Upper
152 100
151 19.2 16.7 25.1

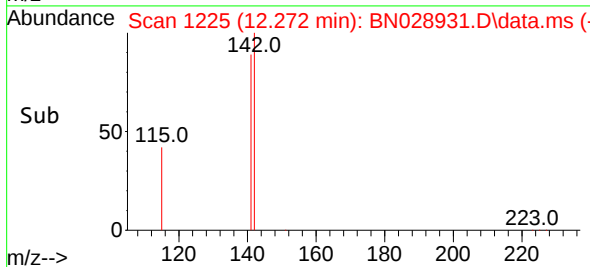
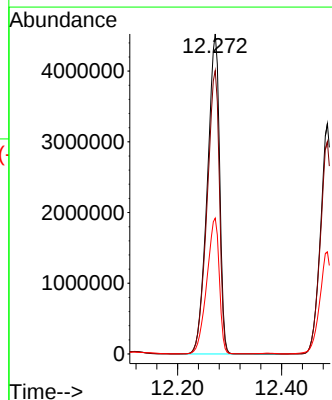
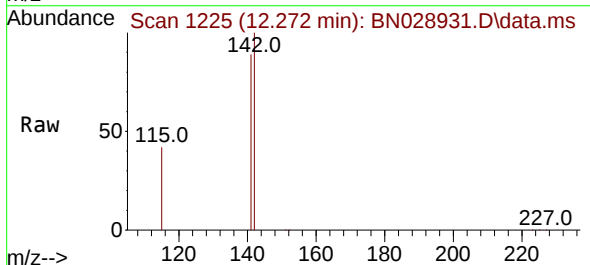
Manual Integrations
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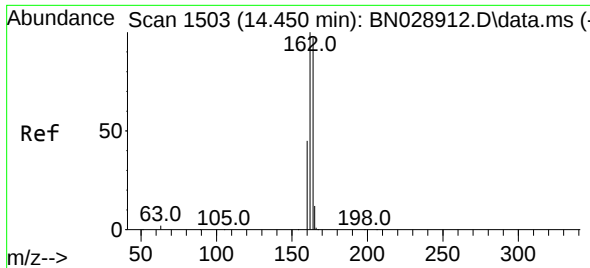
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#12
2-Methylnaphthalene
Concen: 280.043 ng
RT: 12.272 min Scan# 1225
Delta R.T. 0.015 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

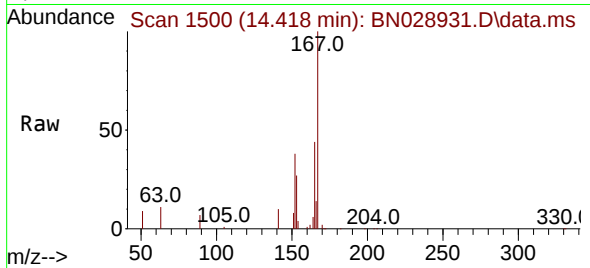
Tgt Ion:142 Resp: 7425541
Ion Ratio Lower Upper
142 100
141 88.5 73.1 109.7
115 42.5 37.6 56.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1503
Delta R.T. -0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

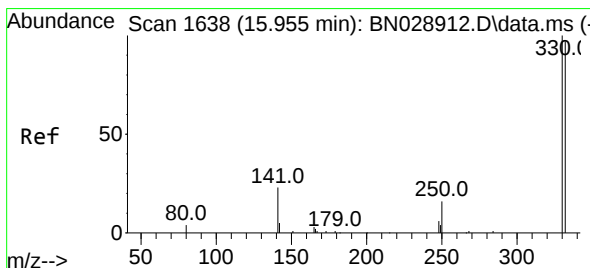
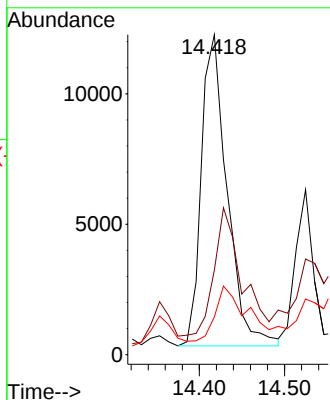
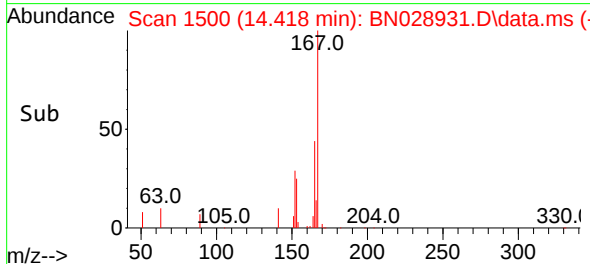
Instrument :
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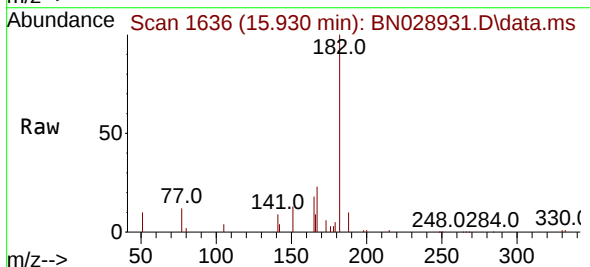
Tgt Ion:164 Resp: 2508
Ion Ratio Lower Upper
164 100
162 26.4 81.7 122.5
160 11.8 37.0 55.6

Manual Integrations
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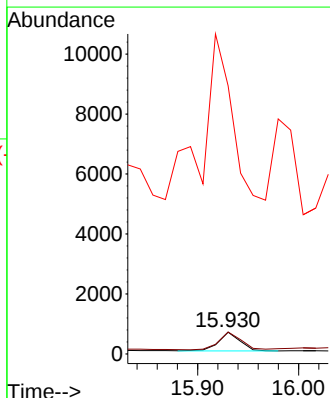
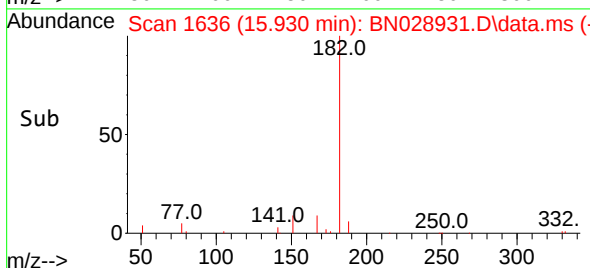
Reviewed By :Yogesh Patel 12/01/2023
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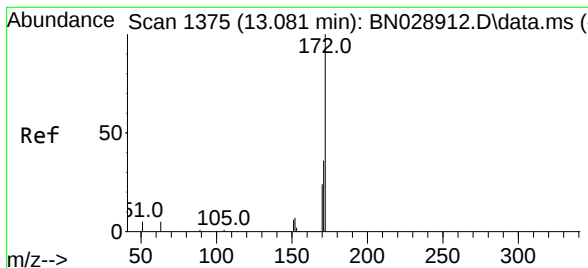


#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.930 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



Tgt Ion:330 Resp: 920
Ion Ratio Lower Upper
330 100
332 96.6 75.4 113.2
141 1275.8 35.7 53.5#





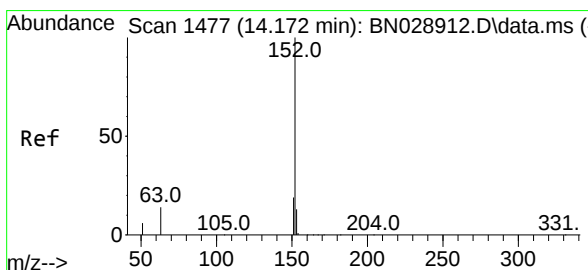
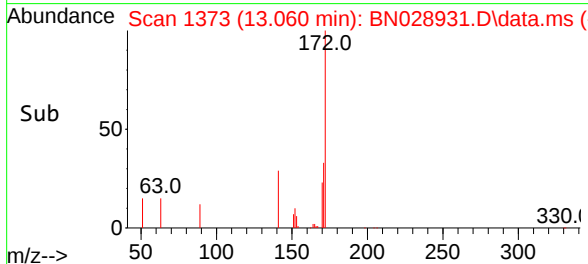
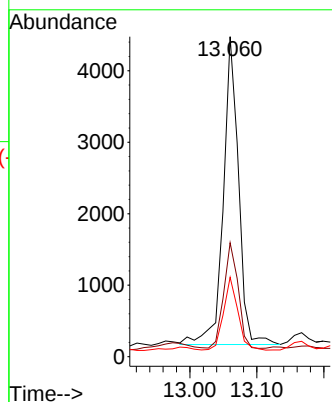
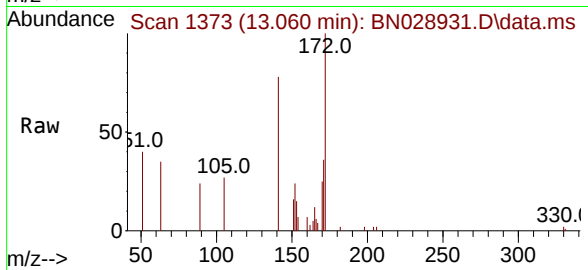
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)

Tgt Ion:172 Resp: 684
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 24.8 19.7 29.5

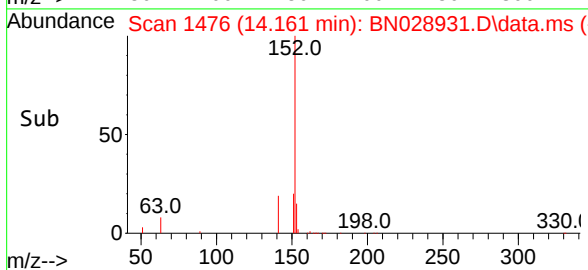
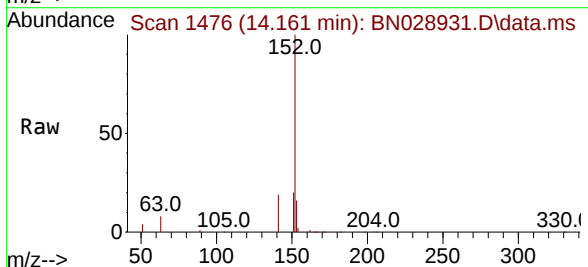
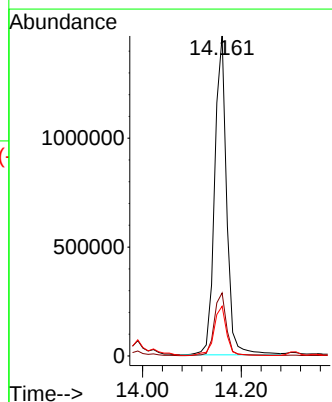
Manual Integrations
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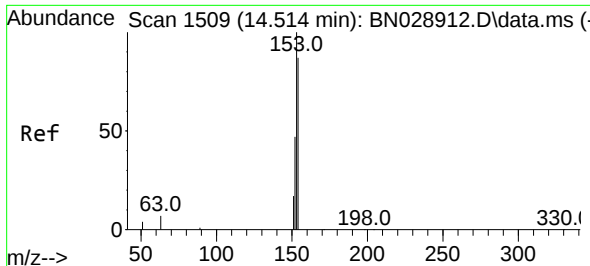
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#16
Acenaphthylene
Concen: 18.535 ng
RT: 14.161 min Scan# 1476
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

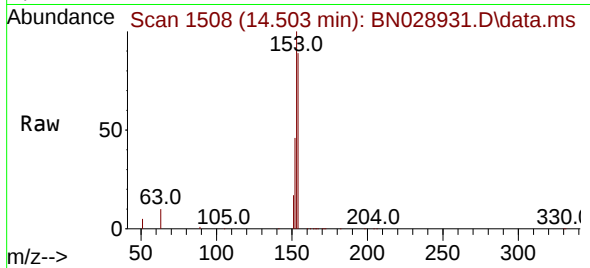
Tgt Ion:152 Resp: 2462717
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 16.1 10.8 16.2





#17
Acenaphthene
Concen: 33.319 ng
RT: 14.503 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

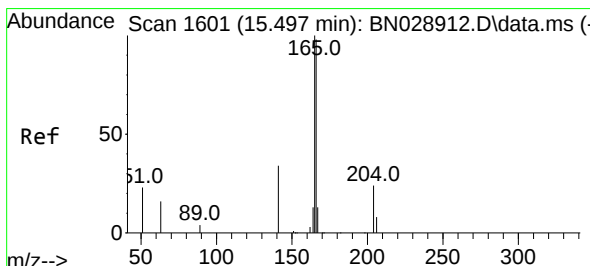
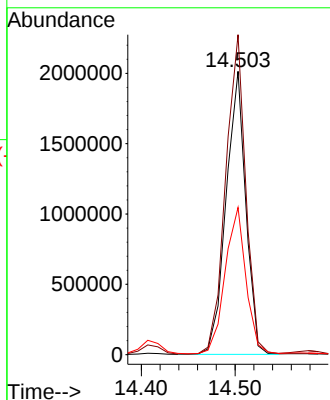
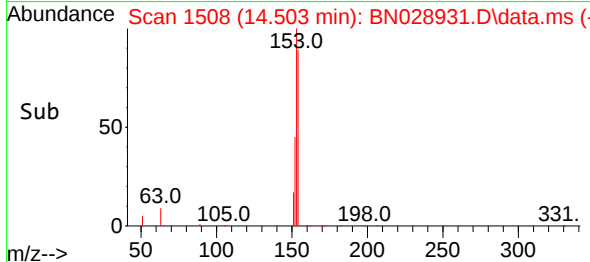
Instrument :
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L-3(195FT)(0-5)



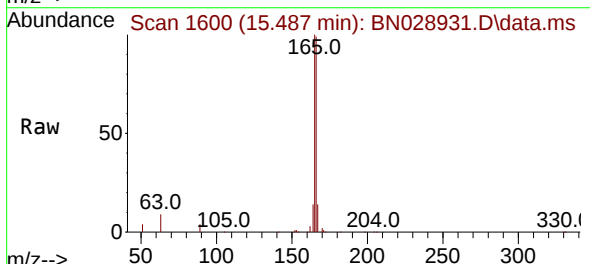
Tgt Ion:154 Resp: 2938499
Ion Ratio Lower Upper
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153 115.0 93.8 140.6
152 54.8 44.5 66.7

Manual Integrations
APPROVED

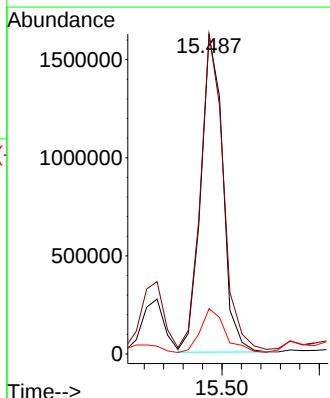
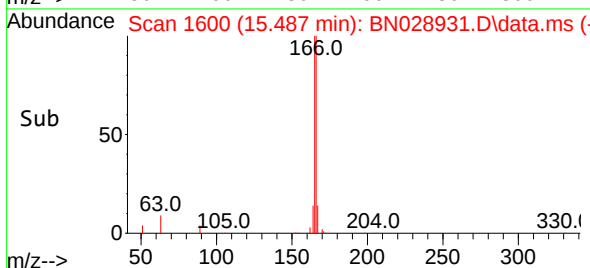
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

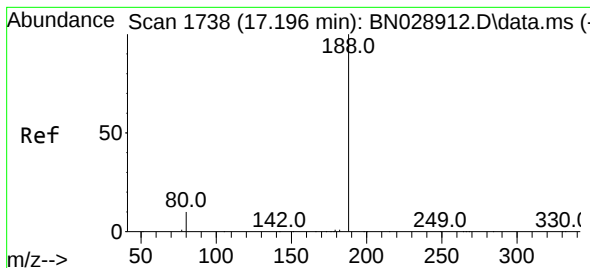


#18
Fluorene
Concen: 24.169 ng
RT: 15.487 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



Tgt Ion:166 Resp: 2698314
Ion Ratio Lower Upper
166 100
165 100.9 79.4 119.2
167 15.2 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.184 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

Instrument :

BNA_N

ClientSampleId :

L-3(195FT)(0-5)

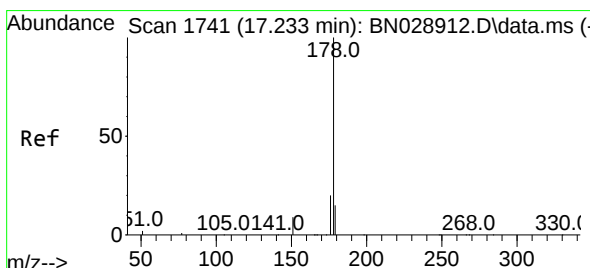
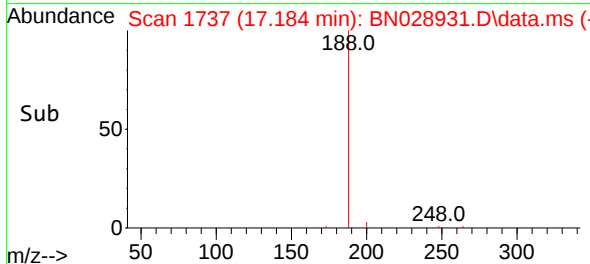
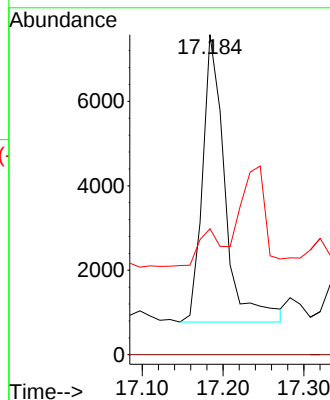
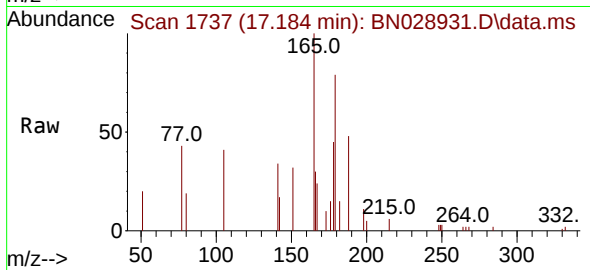
Tgt Ion:188 Resp: 13070
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 39.4 9.0 13.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#25

Phenanthrene

Concen: 323.020 ng

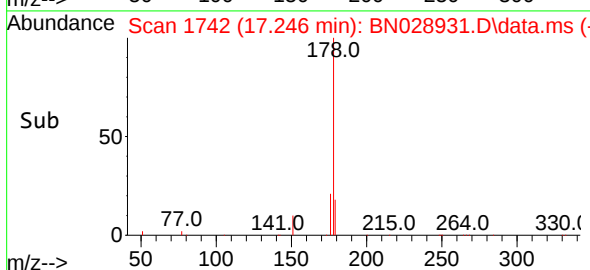
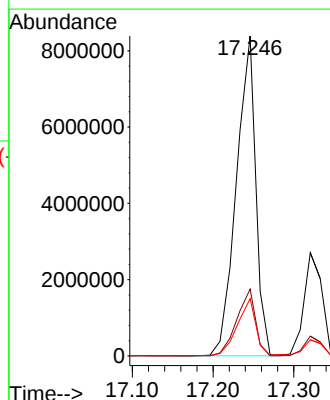
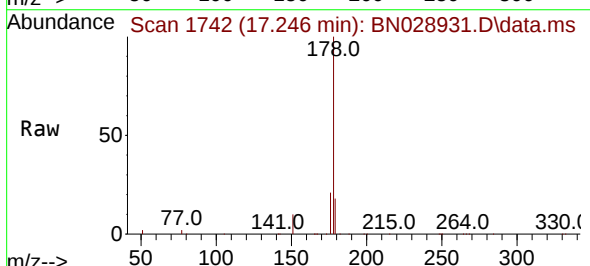
RT: 17.246 min Scan# 1742

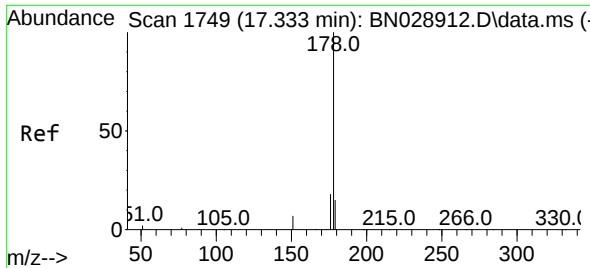
Delta R.T. 0.025 min

Lab File: BN028931.D

Acq: 01 Dec 2023 04:09

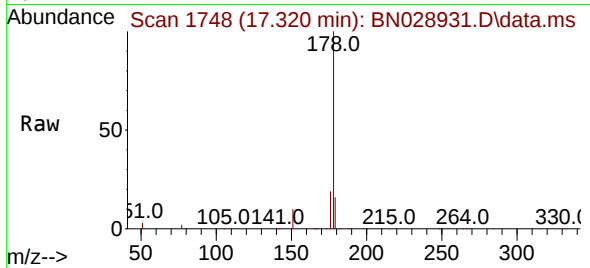
Tgt Ion:178 Resp:13946138
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.4 24.6
 179 17.4 14.1 21.1





#26
 Anthracene
 Concen: 105.547 ng
 RT: 17.320 min Scan# 1749
 Delta R.T. 0.012 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

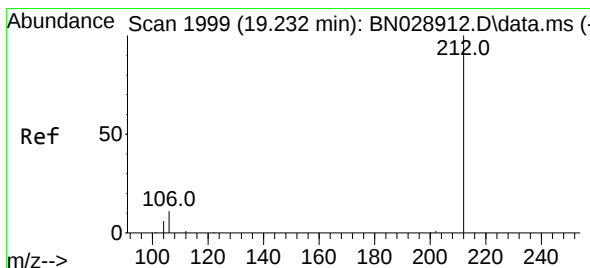
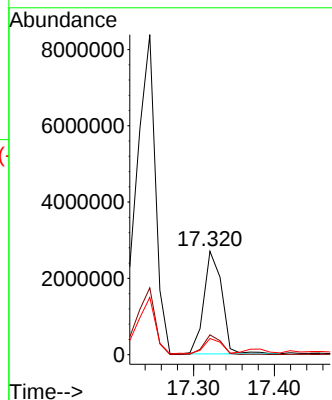
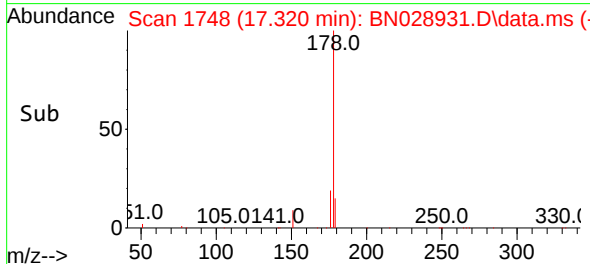
Instrument :
 BNA_N
 ClientSampleId :
 L-3(195FT)(0-5)



Tgt Ion:178 Resp: 421205
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.2 22.8
 179 14.6 12.2 18.2

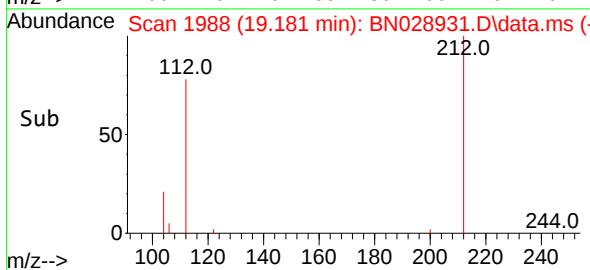
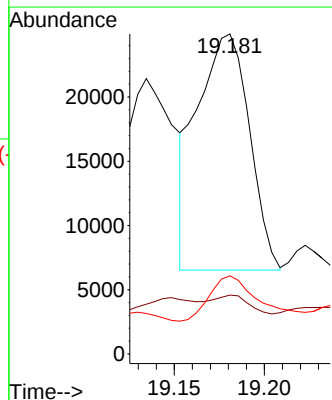
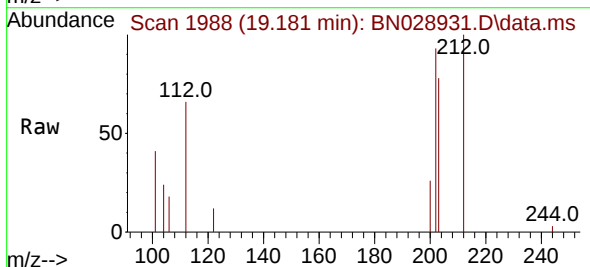
Manual Integrations
 APPROVED

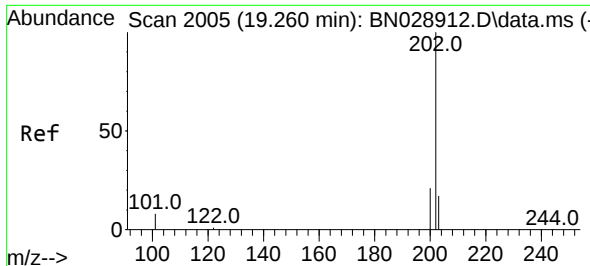
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#27
 Fluoranthene-d10
 Concen: 1.077 ng m
 RT: 19.181 min Scan# 1988
 Delta R.T. -0.032 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

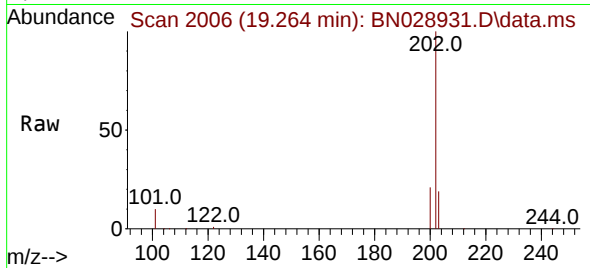
Tgt Ion:212 Resp: 37043
 Ion Ratio Lower Upper
 212 100
 106 4.0 9.4 14.2#
 104 2.0 6.2 9.2#





#28
Fluoranthene
Concen: 123.105 ng m
RT: 19.264 min Scan# 2005
Delta R.T. 0.019 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

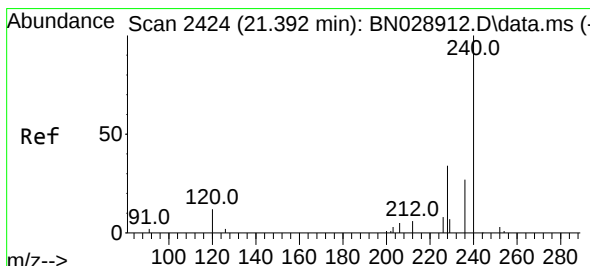
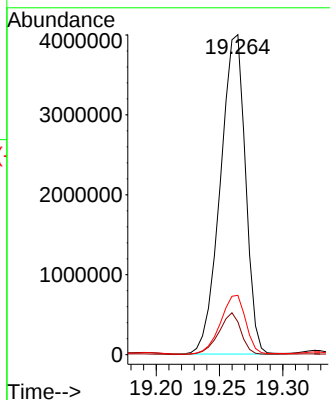
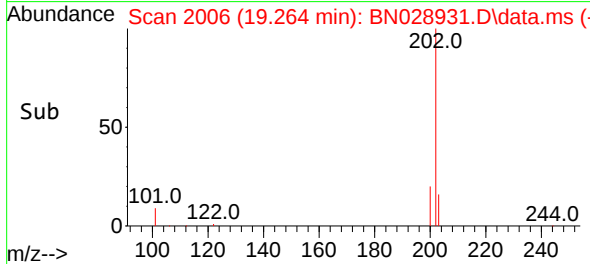
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



Tgt Ion:202 Resp: 552686
Ion Ratio Lower Upper
202 100
101 2.2 7.3 10.9#
203 4.1 14.1 21.1#

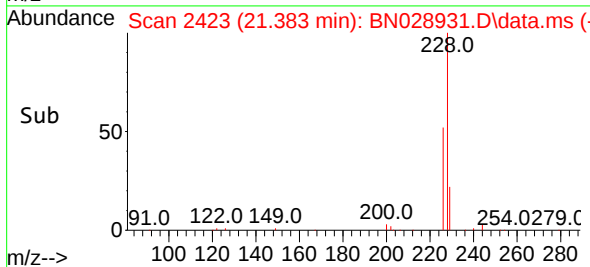
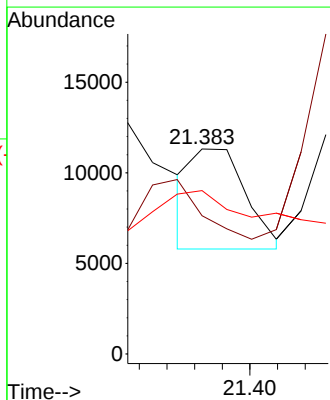
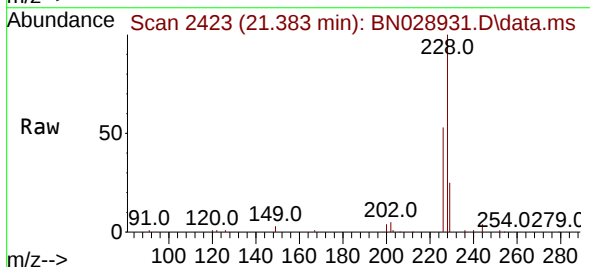
Manual Integrations
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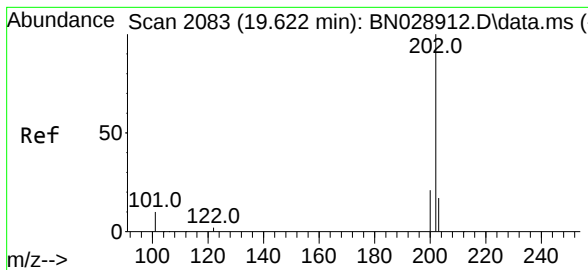
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.383 min Scan# 2423
Delta R.T. 0.009 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

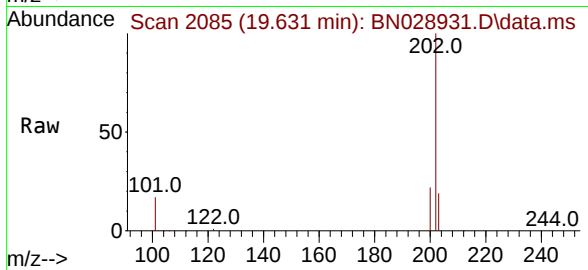
Tgt Ion:240 Resp: 7437
Ion Ratio Lower Upper
240 100
120 67.4 37.1 55.7#
236 79.7 32.4 48.6#





#30
Pyrene
Concen: 170.423 ng
RT: 19.631 min Scan# 2085
Delta R.T. 0.023 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

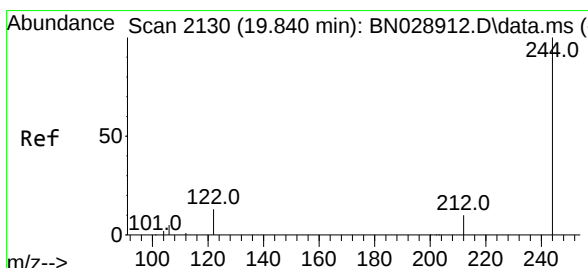
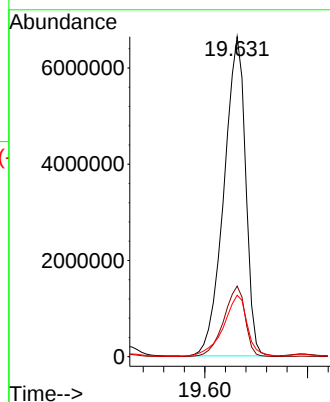
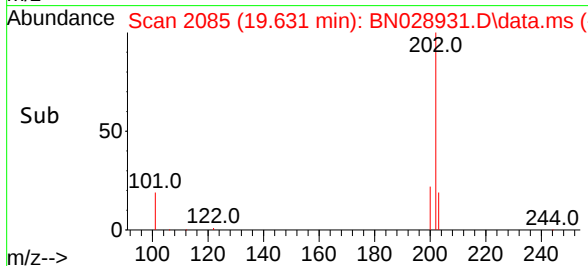
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



Tgt Ion:202 Resp: 9691400
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 20.9 14.8 22.2

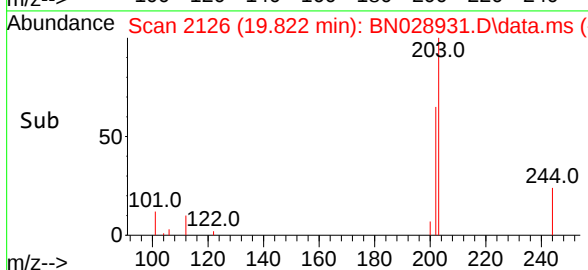
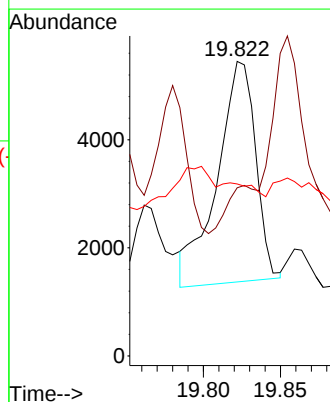
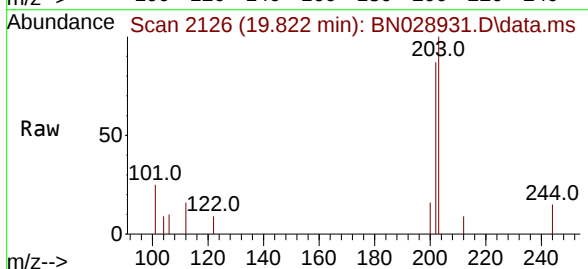
Manual Integrations
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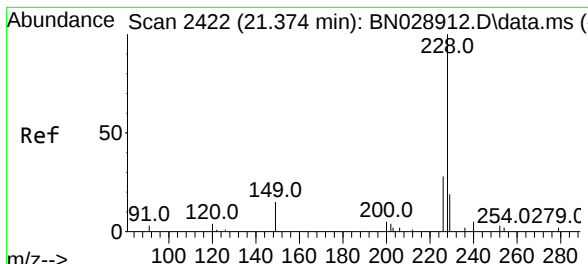
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#31
Terphenyl-d14
Concen: 0.358 ng
RT: 19.822 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:244 Resp: 7080
Ion Ratio Lower Upper
244 100
212 57.1 11.5 17.3#
122 58.4 13.2 19.8#





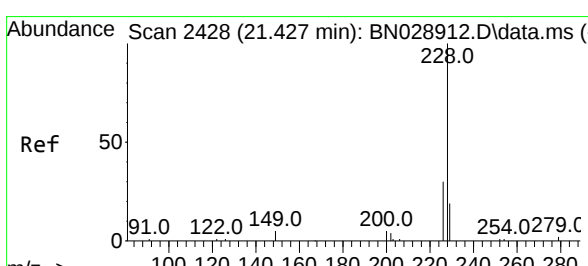
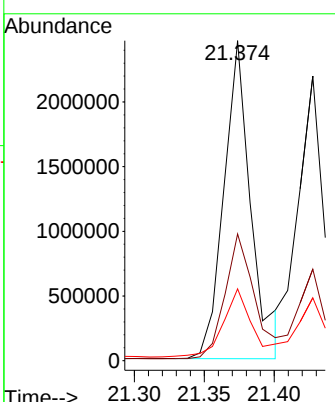
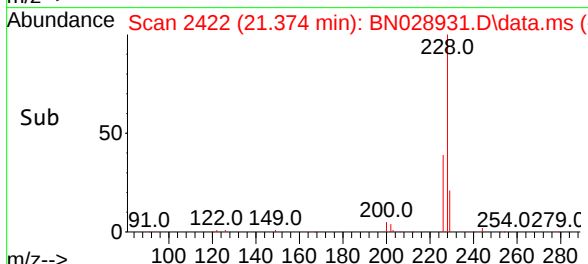
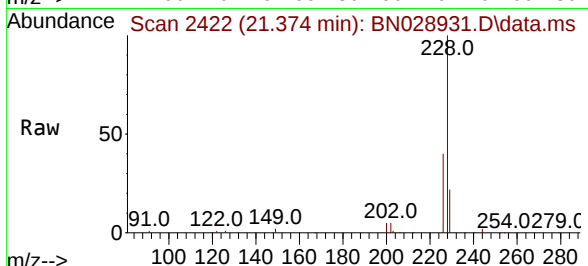
#32
 Benzo(a)anthracene
 Concen: 104.696 ng
 RT: 21.374 min Scan# 2422
 Delta R.T. 0.018 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

Instrument : BNA_N
 ClientSampleId : L-3(195FT)(0-5)

Tgt Ion: 228 Resp: 331056

Ion	Ratio	Lower	Upper
228	100		
226	39.6	26.5	39.7
229	22.4	16.4	24.6

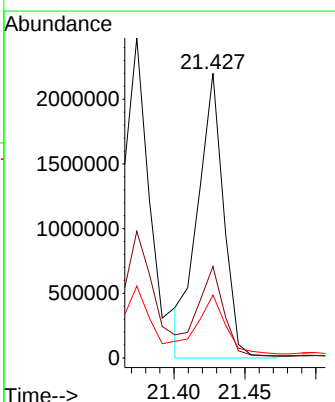
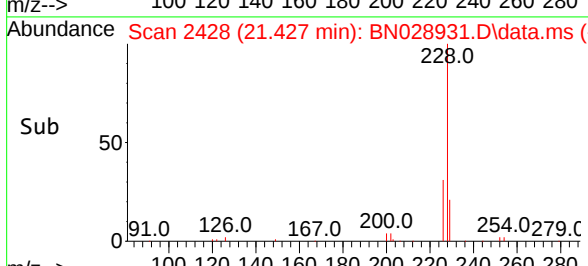
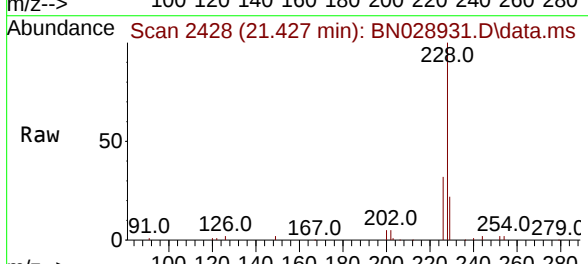
Manual Integrations
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 Reviewed By : Yogesh Patel 12/01/2023
 Supervised By : mohammad ahmed 12/01/2023

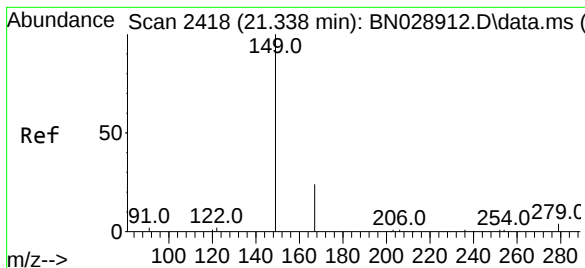


#33
 Chrysene
 Concen: 89.745 ng m
 RT: 21.427 min Scan# 2428
 Delta R.T. 0.018 min
 Lab File: BN028931.D
 Acq: 01 Dec 2023 04:09

Tgt Ion: 228 Resp: 2786249

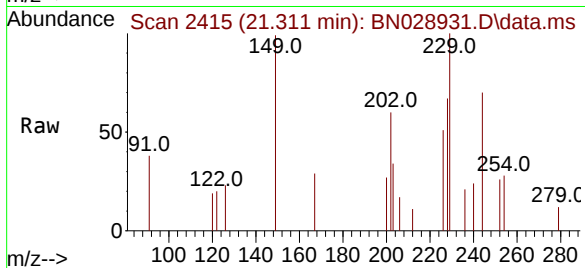
Ion	Ratio	Lower	Upper
228	100		
226	32.2	28.3	42.5
229	22.1	16.4	24.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.225 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

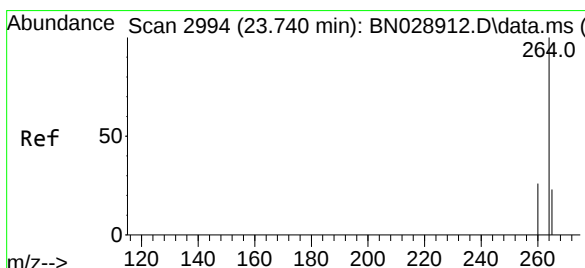
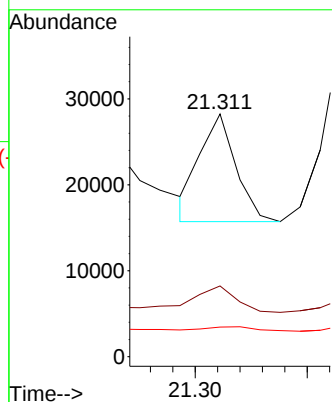
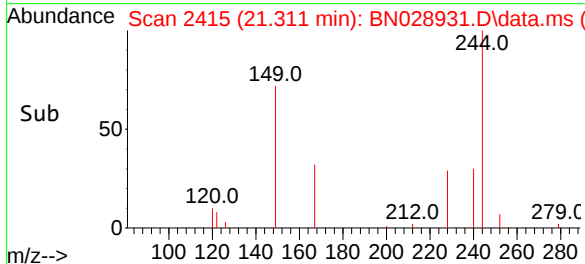
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



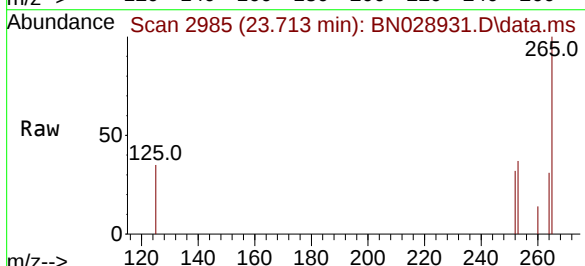
Tgt Ion:149 Resp: 13990
Ion Ratio Lower Upper
149 100
167 30.6 14.9 22.3#
279 6.0 6.3 9.5#

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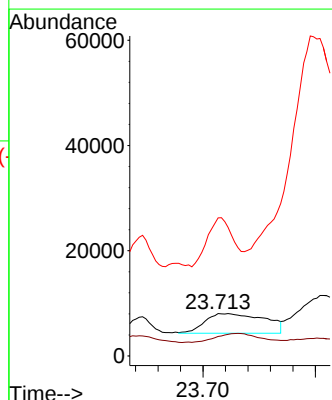
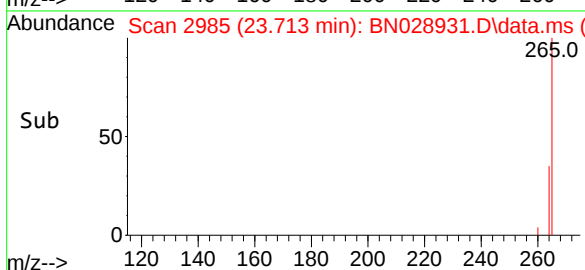
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

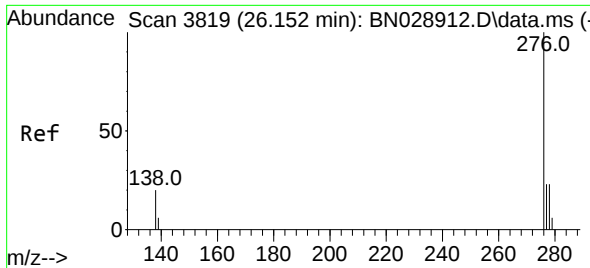


#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.713 min Scan# 2985
Delta R.T. 0.000 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



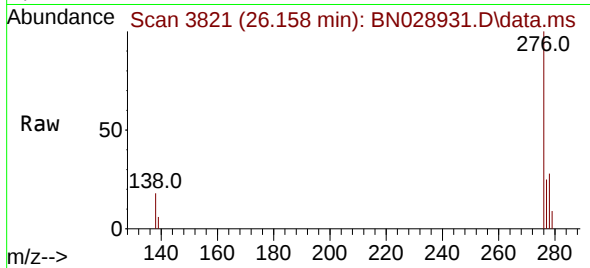
Tgt Ion:264 Resp: 13933
Ion Ratio Lower Upper
264 100
260 45.9 20.6 30.8#
265 325.4 464.5 696.7#





#36
Indeno(1,2,3-cd)pyrene
Concen: 15.110 ng m
RT: 26.158 min Scan# 3819
Delta R.T. 0.047 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

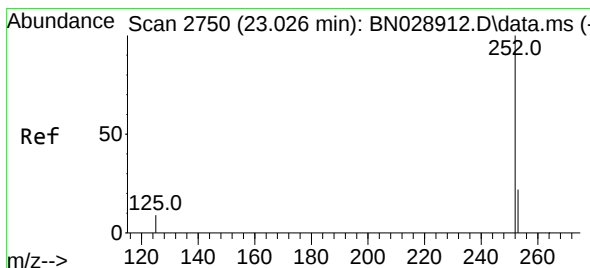
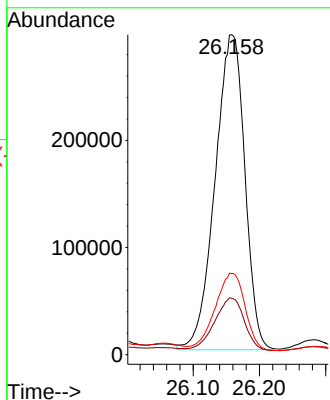
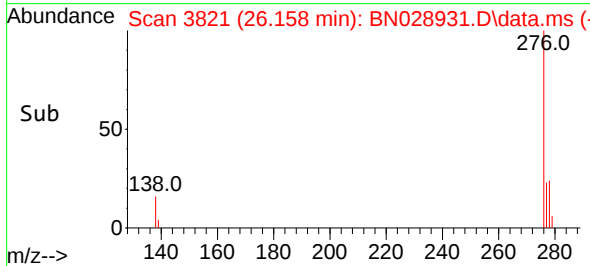
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



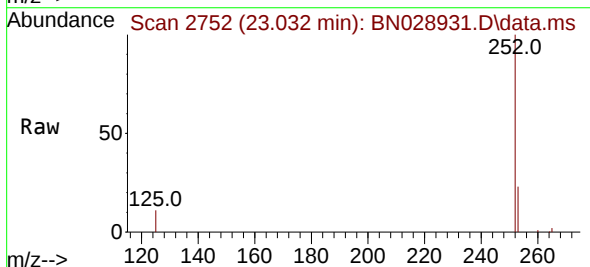
Tgt Ion:276 Resp: 917344
Ion Ratio Lower Upper
276 100
138 15.5 20.9 31.3#
277 23.3 20.2 30.4#

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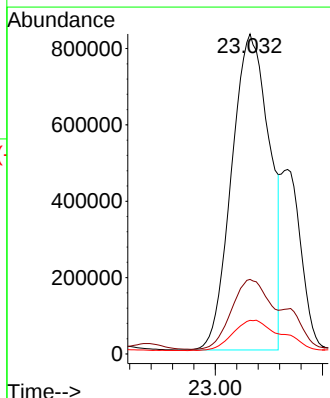
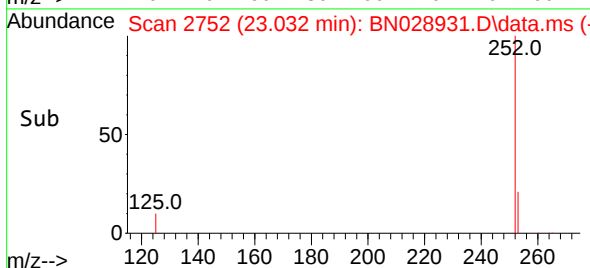
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

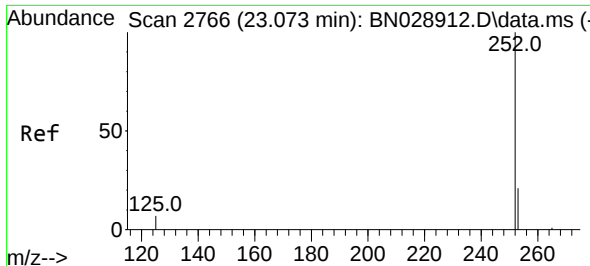


#37
Benzo(b)fluoranthene
Concen: 35.677 ng
RT: 23.032 min Scan# 2752
Delta R.T. 0.029 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



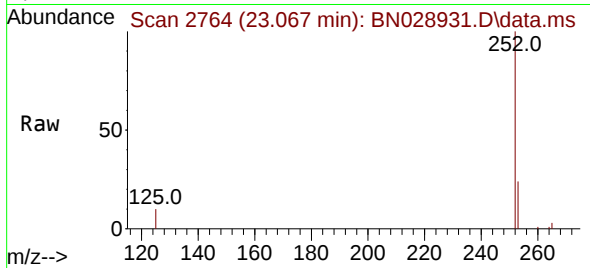
Tgt Ion:252 Resp: 2033621
Ion Ratio Lower Upper
252 100
253 23.3 94.5 141.7#
125 10.5 23.8 35.8#





#38
Benzo(k)fluoranthene
Concen: 12.143 ng m
RT: 23.067 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

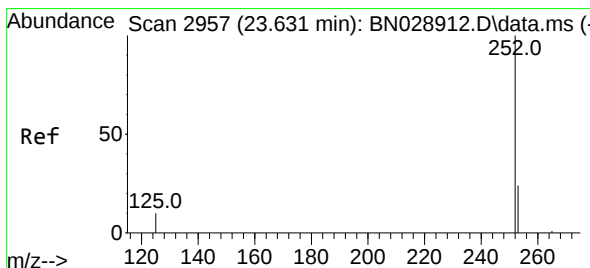
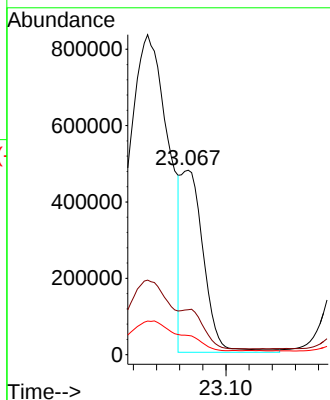
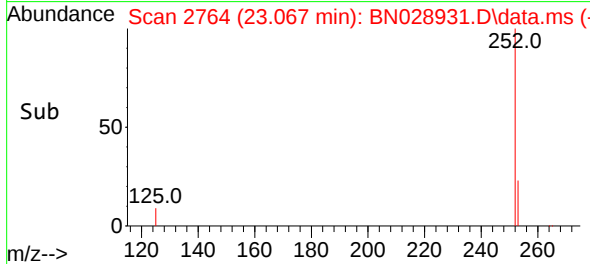
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



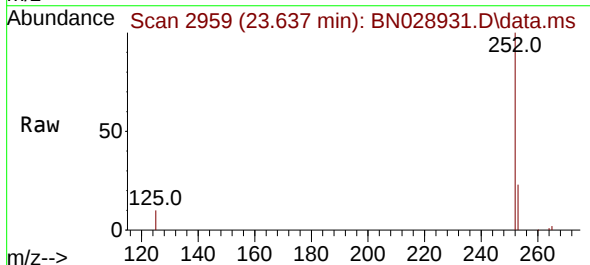
Tgt Ion:252 Resp: 653062
Ion Ratio Lower Upper
252 100
253 24.4 95.2 142.8#
125 10.4 24.3 36.5#

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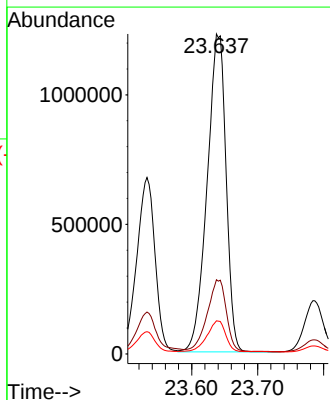
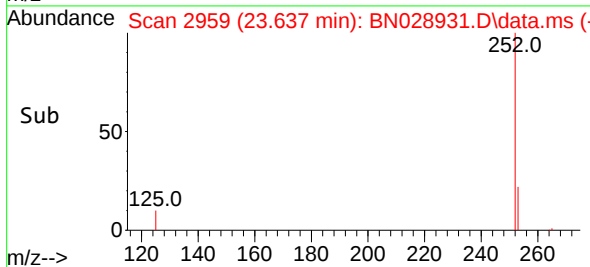
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

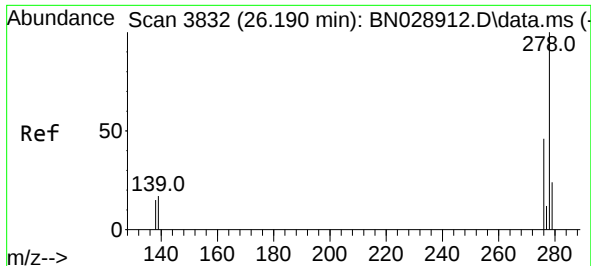


#39
Benzo(a)pyrene
Concen: 48.051 ng
RT: 23.637 min Scan# 2959
Delta R.T. 0.032 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09



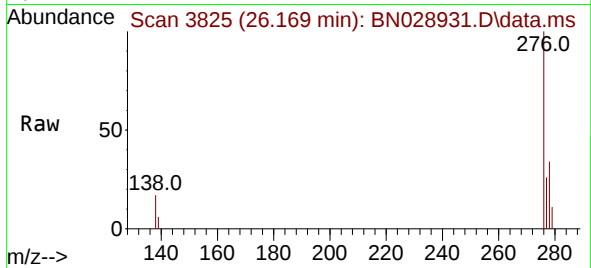
Tgt Ion:252 Resp: 2446351
Ion Ratio Lower Upper
252 100
253 23.2 110.2 165.4#
125 10.3 27.0 40.4#





#40
Dibenzo(a,h)anthracene
Concen: 6.322 ng m
RT: 26.169 min Scan# 3825
Delta R.T. 0.029 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

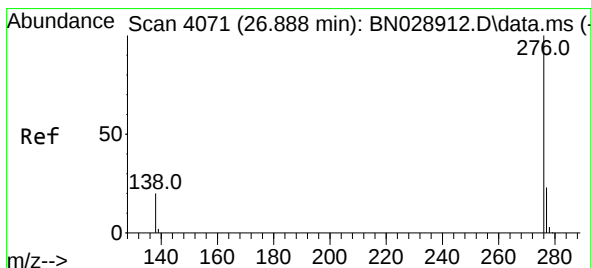
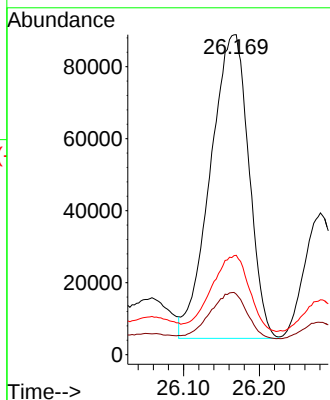
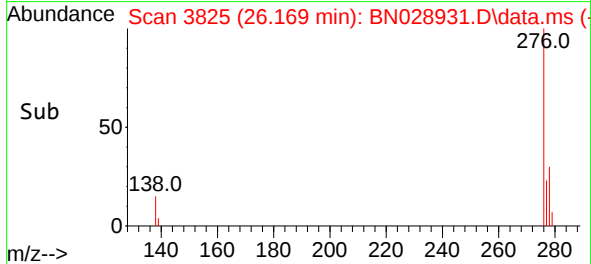
Instrument :
BNA_N
ClientSampleId :
L-3(195FT)(0-5)



Tgt Ion:278 Resp: 297050
Ion Ratio Lower Upper
278 100
139 18.9 22.6 33.8#
279 31.1 102.6 153.8#

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 19.244 ng
RT: 26.906 min Scan# 4077
Delta R.T. 0.064 min
Lab File: BN028931.D
Acq: 01 Dec 2023 04:09

Tgt Ion:276 Resp: 1017012
Ion Ratio Lower Upper
276 100
277 24.8 28.9 43.3#
138 17.2 36.2 54.2#

