

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
 Data File : BN028446.D
 Acq On : 03 Nov 2023 06:32
 Operator : MA/JU
 Sample : 05220-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Z-7(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 07:14:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 02 06:26:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	14254	0.400	ng	# 0.01
7) Naphthalene-d8	10.519	136	34933	0.400	ng	# 0.00
13) Acenaphthene-d10	14.374	164	30229	0.400	ng	0.01
19) Phenanthrene-d10	17.133	188	35557	0.400	ng	# 0.01
29) Chrysene-d12	21.355	240	28489	0.400	ng	# 0.03
35) Perylene-d12	23.675	264	35786	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	10939	0.294	ng	0.01
5) Phenol-d6	6.901	99	13880	0.294	ng	0.01
8) Nitrobenzene-d5	8.875	82	9121	0.404	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	17678	0.354	ng	0.00
14) 2,4,6-Tribromophenol	15.867	330	3479	0.295	ng	0.01
15) 2-Fluorobiphenyl	13.006	172	12968	0.361	ng	0.00
27) Fluoranthene-d10	19.185	212	31430	0.358	ng	0.03
31) Terphenyl-d14	19.775	244	38522	0.642	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	1971991	20.915	ng	100
12) 2-Methylnaphthalene	12.193	142	626145	9.530	ng	100
16) Acenaphthylene	14.096	152	5699964	38.176	ng	99
17) Acenaphthene	14.438	154	1427162	15.076	ng	98
18) Fluorene	15.432	166	3560754	27.638	ng	99
25) Phenanthrene	17.183	178	17349761	165.181	ng	# 94
26) Anthracene	17.270	178	10087757	100.582	ng	97
28) Fluoranthene	19.217	202	19409067m	158.309	ng	
30) Pyrene	19.580	202	19248058	161.982	ng	# 84
32) Benzo(a)anthracene	21.337	228	13001728	115.001	ng	# 87
33) Chrysene	21.391	228	10715798	95.151	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.274	149	131987	2.258	ng	# 79
36) Indeno(1,2,3-cd)pyrene	26.110	276	7891800	55.929	ng	# 91
37) Benzo(b)fluoranthene	22.994	252	13996772	100.408	ng	97
38) Benzo(k)fluoranthene	23.029	252	5789468m	41.320	ng	
39) Benzo(a)pyrene	23.599	252	11510759	94.465	ng	95
40) Dibenzo(a,h)anthracene	26.110	278	2167538	18.942	ng	95
41) Benzo(g,h,i)perylene	26.853	276	7383983	60.253	ng	94

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

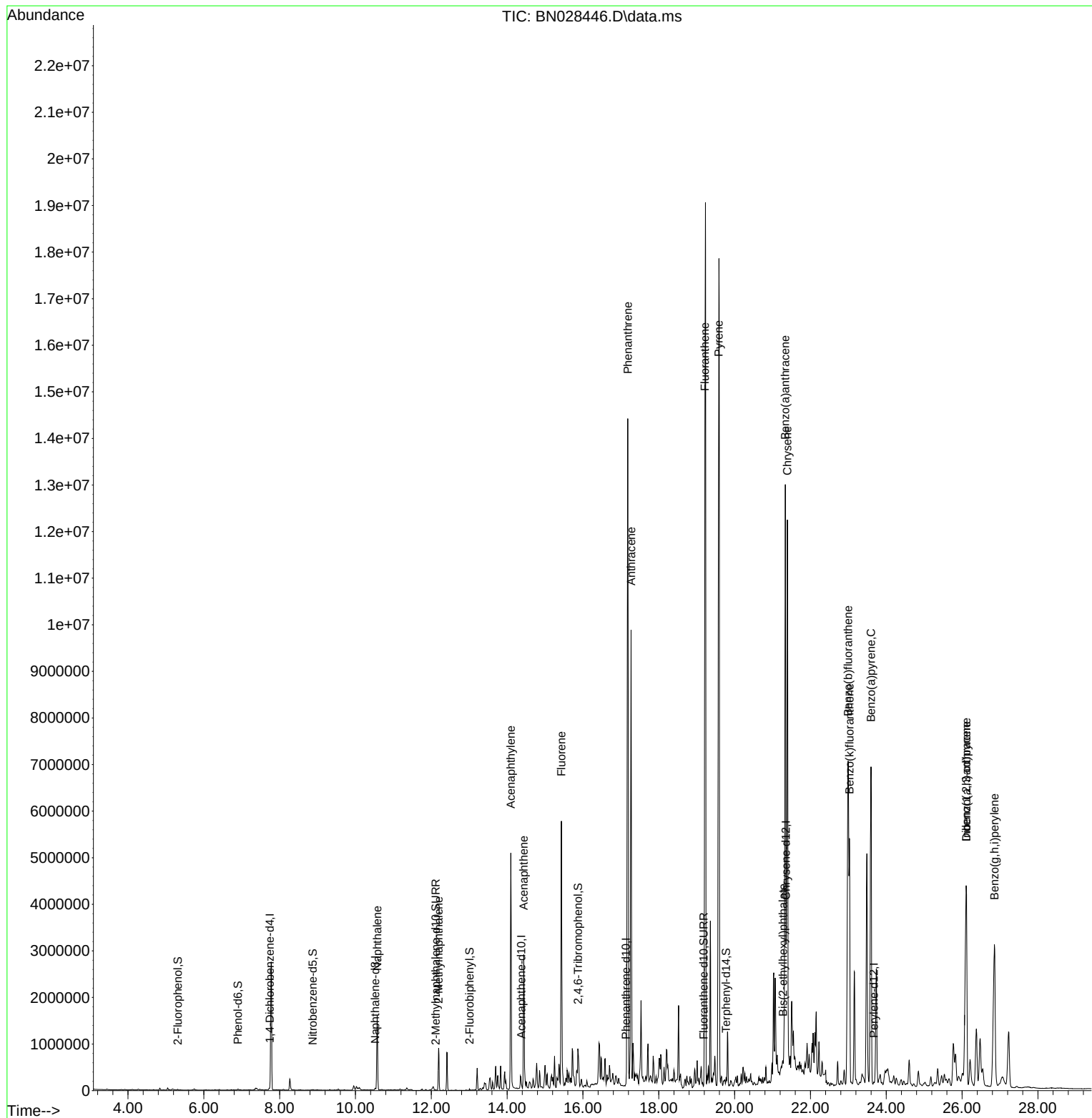
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
Data File : BN028446.D
Acq On : 03 Nov 2023 06:32
Operator : MA/JU
Sample : 05220-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

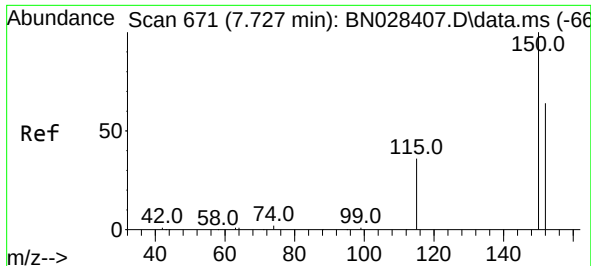
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)

Manual Integrations
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Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

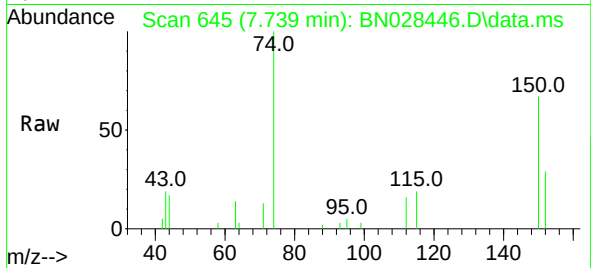
Quant Time: Nov 03 07:14:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 06:26:50 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.739 min Scan# 645
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

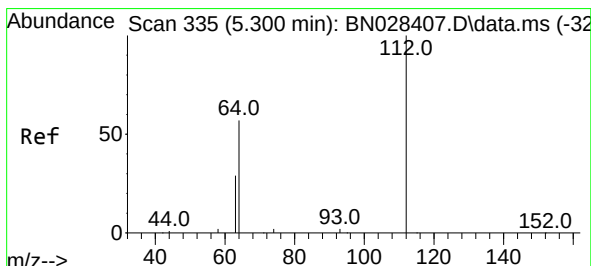
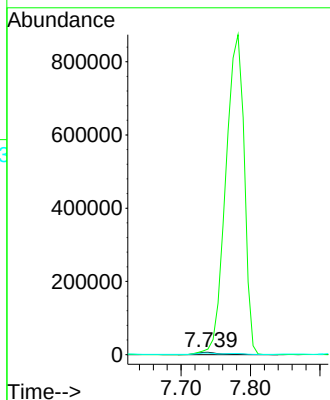
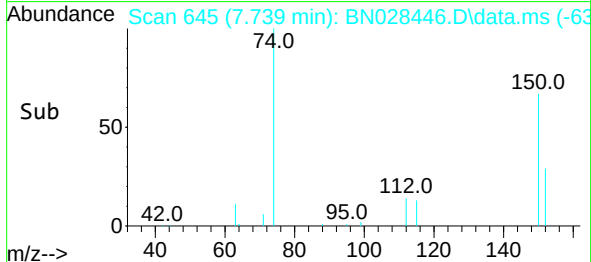
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:152 Resp: 14254
Ion Ratio Lower Upper
152 100
150 233.5 123.8 185.6
115 66.1 47.0 70.6

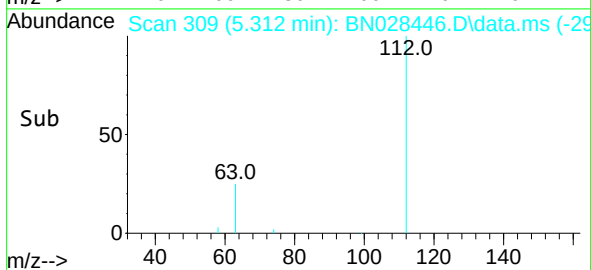
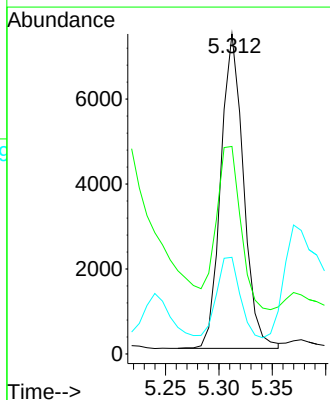
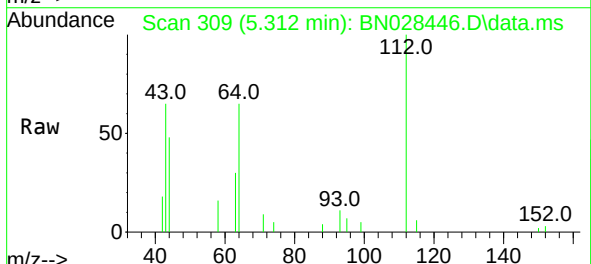
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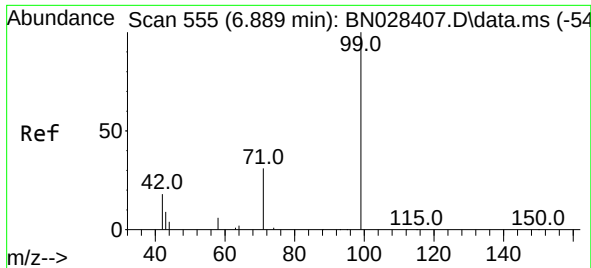
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Tgt Ion:112 Resp: 10939
Ion Ratio Lower Upper
112 100
64 55.4 44.3 66.5
63 26.1 22.6 33.8





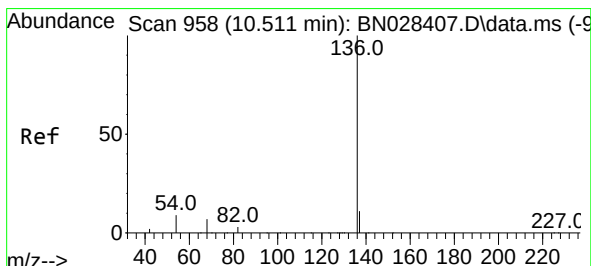
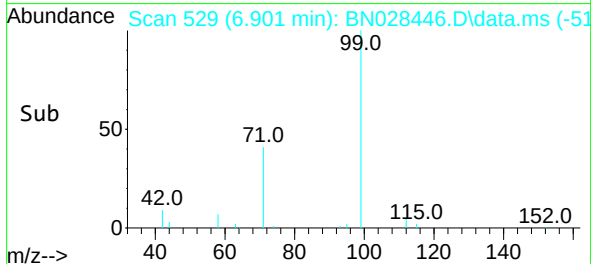
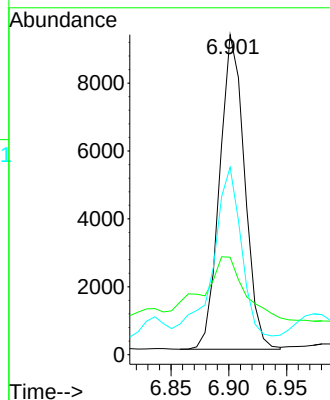
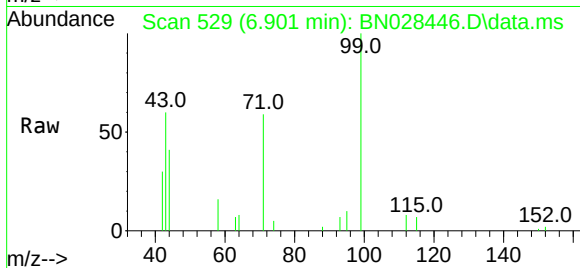
#5
Phenol-d6
Concen: 0.294 ng
RT: 6.901 min Scan# 511
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)

Tgt Ion: 99 Resp: 13880
Ion Ratio Lower Upper
99 100
42 37.9 15.4 23.0#
71 60.3 24.4 36.6#

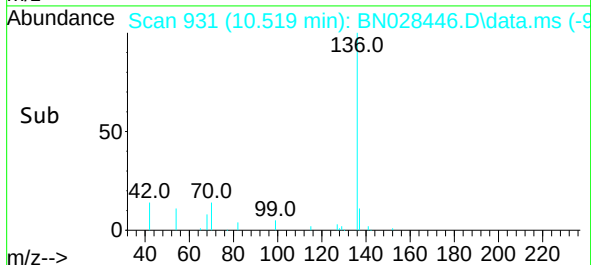
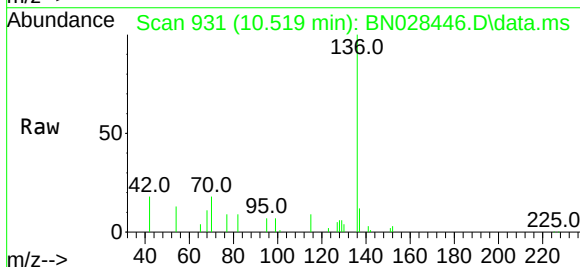
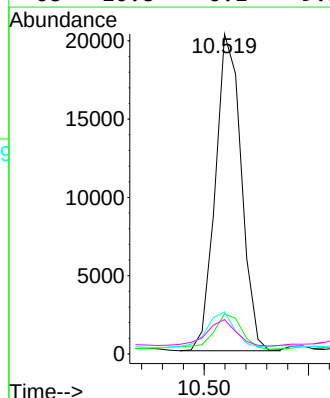
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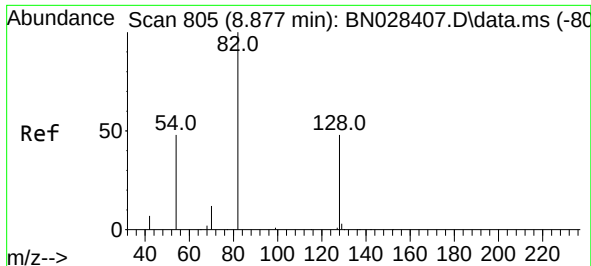
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. 0.008 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Tgt Ion:136 Resp: 34933
Ion Ratio Lower Upper
136 100
137 12.5 9.0 13.4
54 13.1 7.9 11.9#
68 10.8 6.1 9.1#





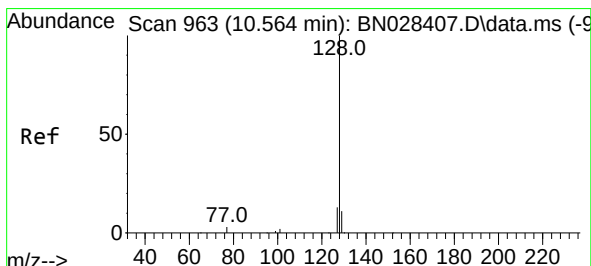
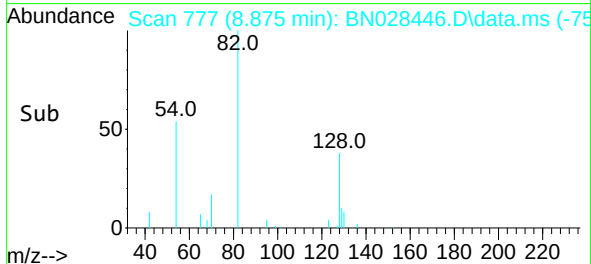
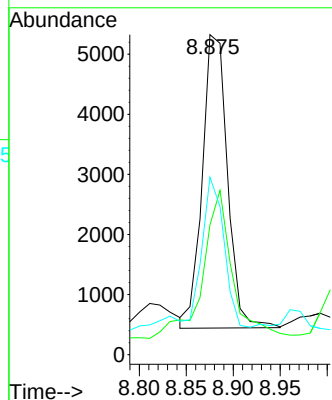
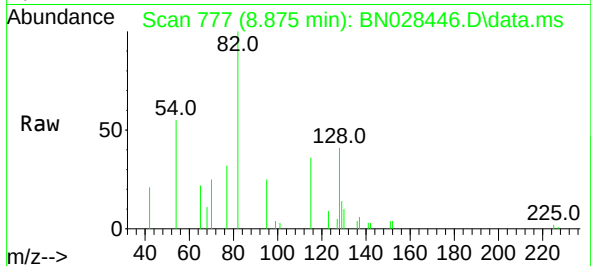
#8
Nitrobenzene-d5
Concen: 0.404 ng
RT: 8.875 min Scan# 712
Delta R.T. -0.002 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)

Tgt Ion: 82 Resp: 912
Ion Ratio Lower Upper
82 100
128 40.5 38.8 58.2
54 55.5 40.3 60.5

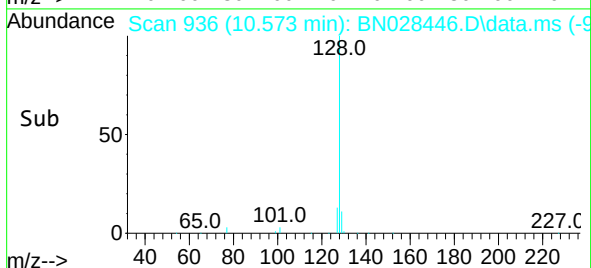
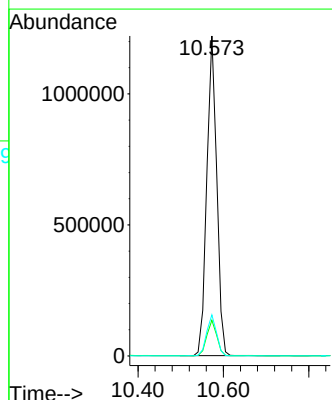
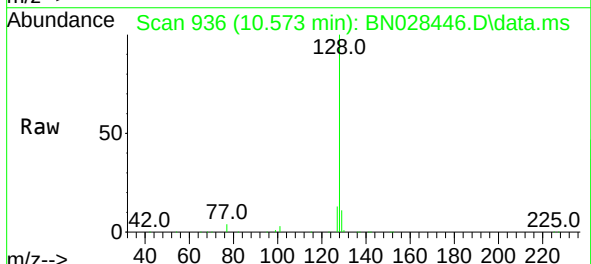
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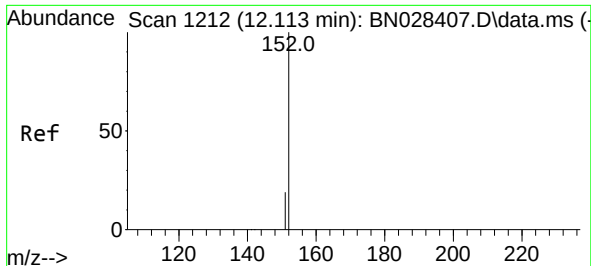
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#9
Naphthalene
Concen: 20.915 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.008 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

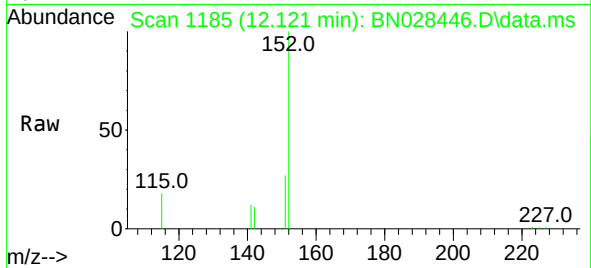
Tgt Ion:128 Resp: 1971991
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.8 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.121 min Scan# 11
Delta R.T. 0.008 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

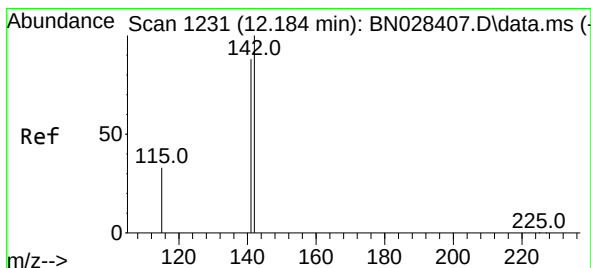
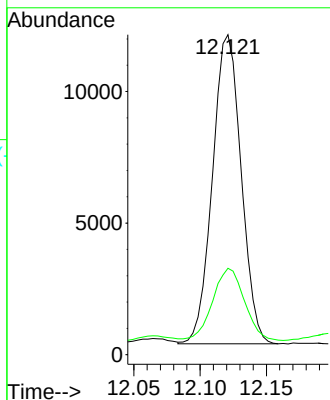
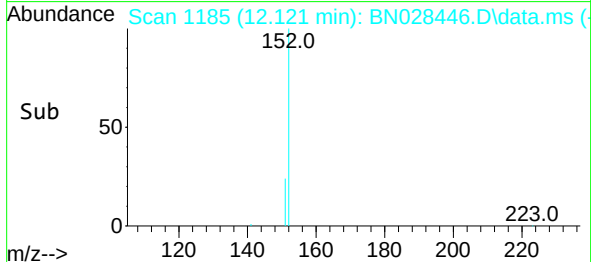
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



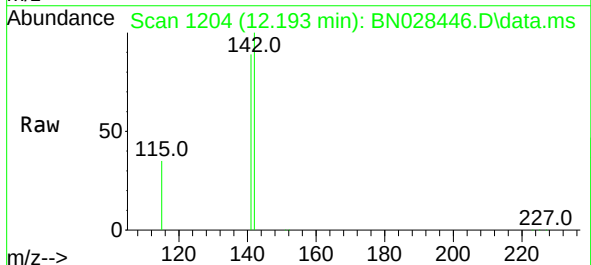
Tgt Ion:152 Resp: 17678
Ion Ratio Lower Upper
152 100
151 26.2 16.4 24.6

Manual Integrations
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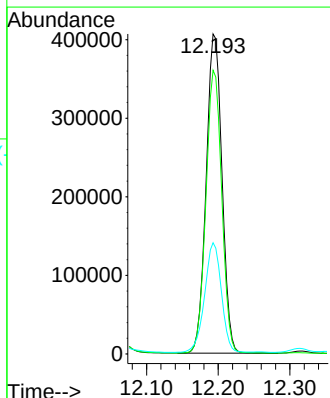
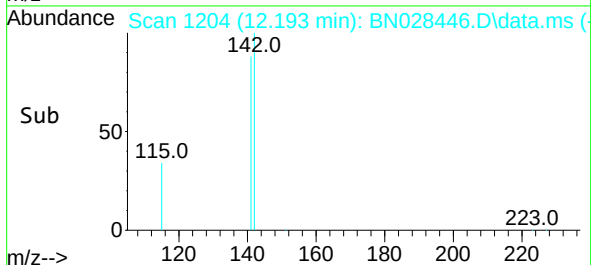
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Supervised By :mohammad ahmed 11/04/2023

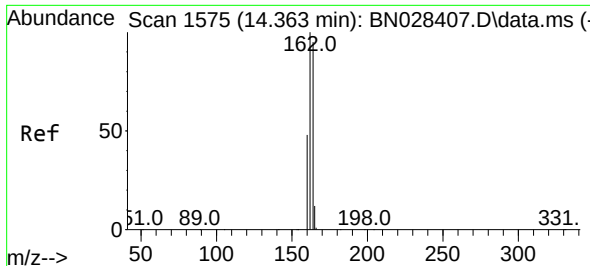


#12
2-Methylnaphthalene
Concen: 9.530 ng
RT: 12.193 min Scan# 1204
Delta R.T. 0.008 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



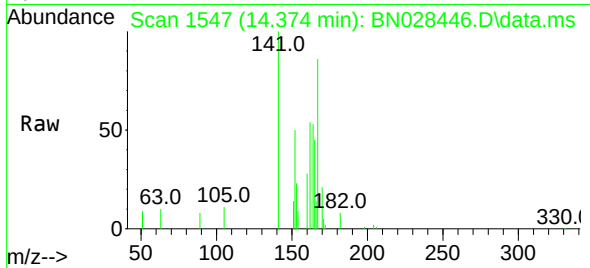
Tgt Ion:142 Resp: 626145
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 34.8 27.6 41.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.374 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

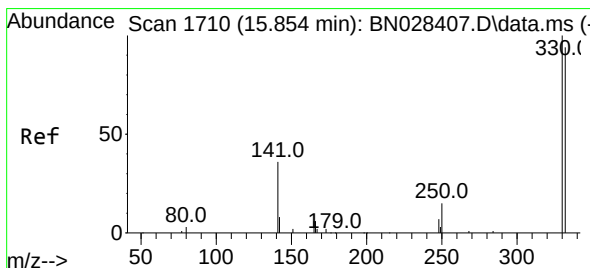
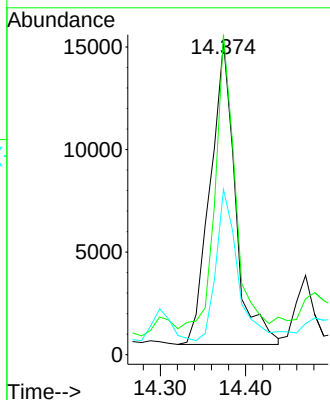
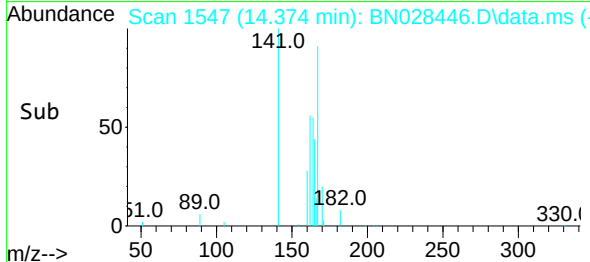
Instrument :
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Z-7(0-5)



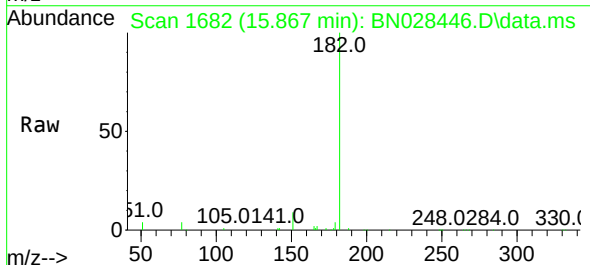
Tgt Ion:164 Resp: 30229
Ion Ratio Lower Upper
164 100
162 102.2 84.6 127.0
160 52.8 41.3 61.9

Manual Integrations
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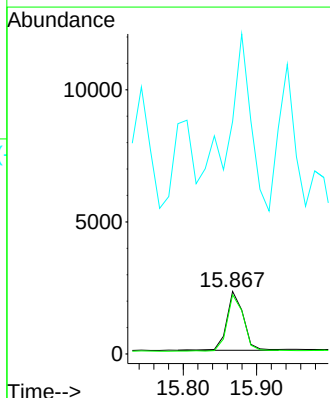
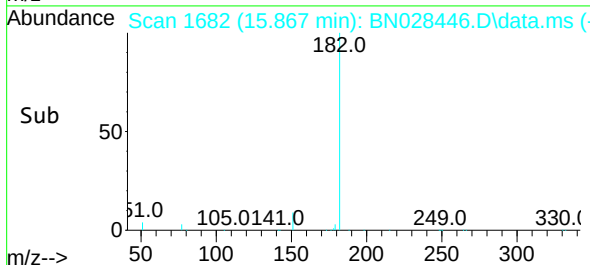
Reviewed By :Yogesh Patel 11/04/2023
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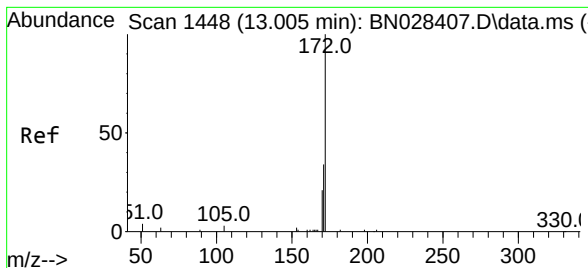


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 15.867 min Scan# 1682
Delta R.T. 0.013 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



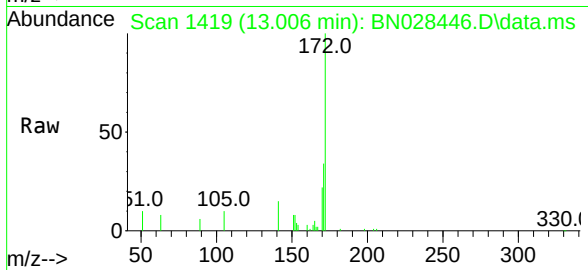
Tgt Ion:330 Resp: 3479
Ion Ratio Lower Upper
330 100
332 98.4 76.2 114.2
141 401.1 32.8 49.2#





#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.006 min Scan# 1448
Delta R.T. 0.001 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

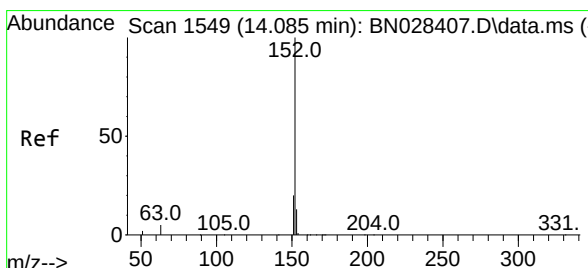
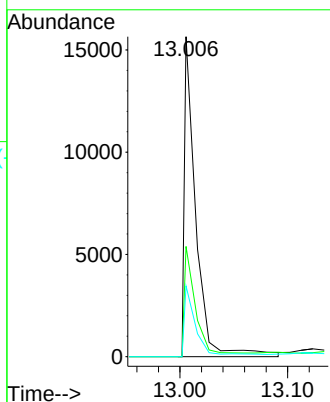
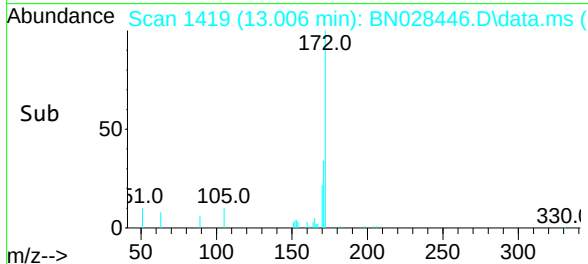
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



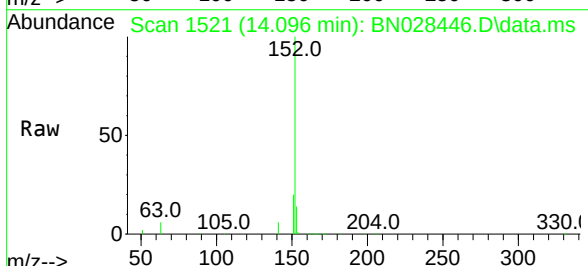
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Ion Ratio Lower Upper
172 100
171 34.5 27.2 40.8
170 22.1 17.1 25.7

Manual Integrations
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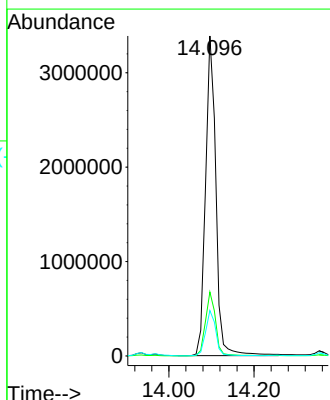
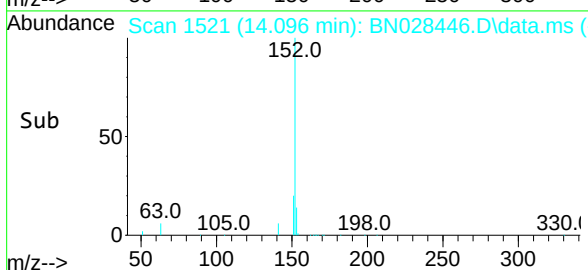
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

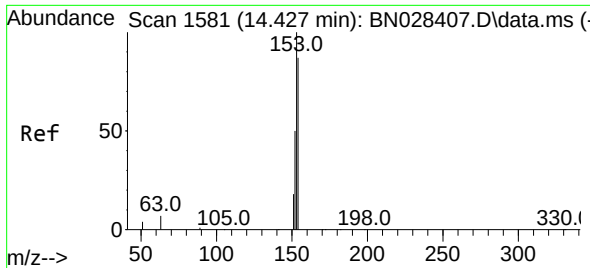


#16
Acenaphthylene
Concen: 38.176 ng
RT: 14.096 min Scan# 1521
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



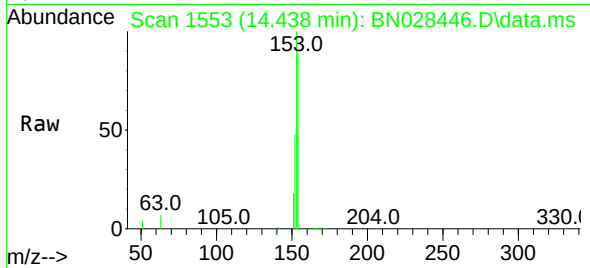
Tgt Ion:152 Resp: 5699964
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 14.0 10.5 15.7





#17
Acenaphthene
Concen: 15.076 ng
RT: 14.438 min Scan# 1553
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

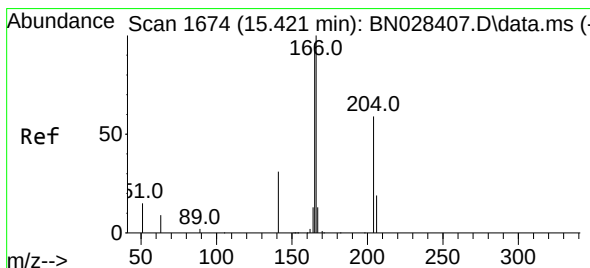
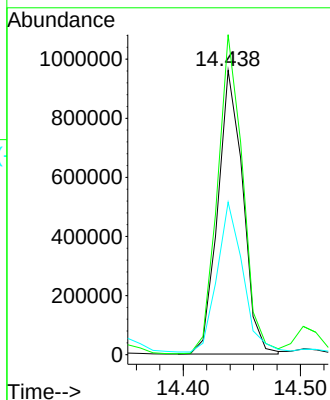
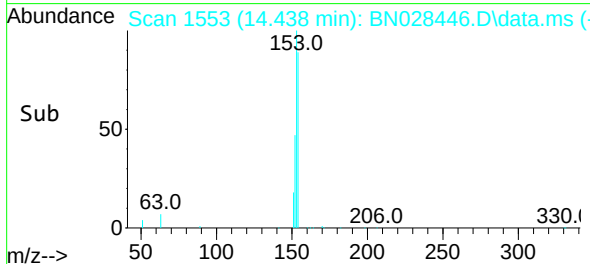
Instrument :
BNA_N
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Z-7(0-5)



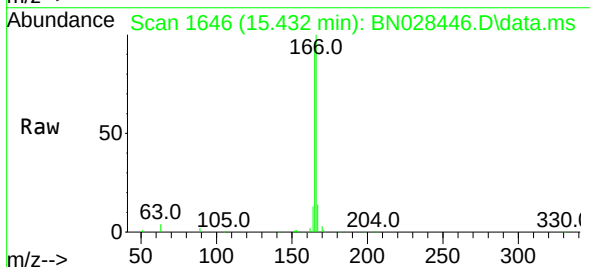
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Ion Ratio Lower Upper
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153 113.4 90.5 135.7
152 54.0 45.8 68.6

Manual Integrations
APPROVED

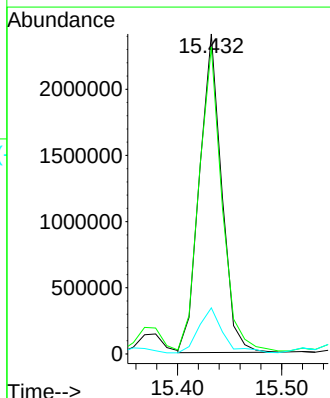
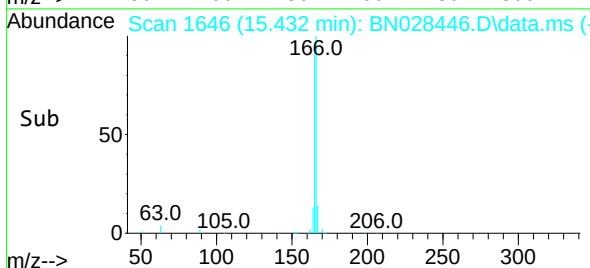
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

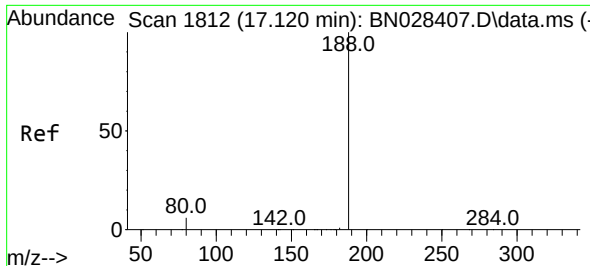


#18
Fluorene
Concen: 27.638 ng
RT: 15.432 min Scan# 1646
Delta R.T. 0.012 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



Tgt Ion:166 Resp: 3560754
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 15.5 10.6 16.0





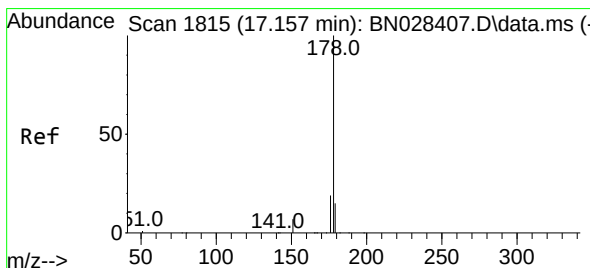
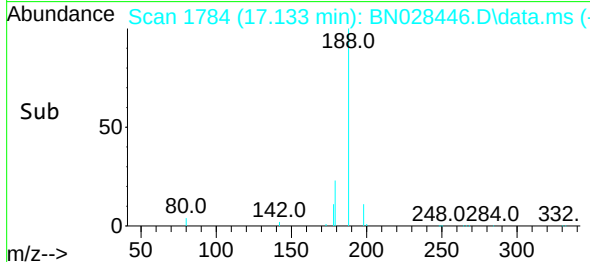
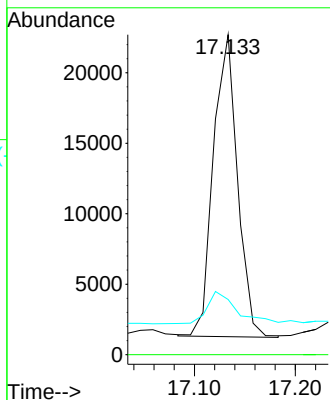
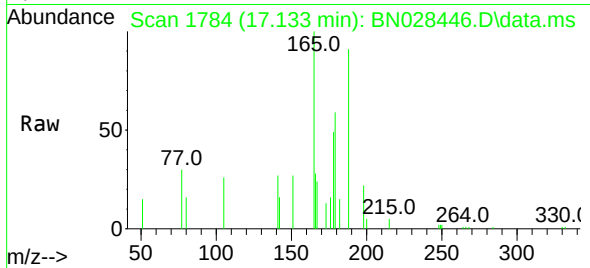
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.133 min Scan# 1788
Delta R.T. 0.013 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)

Tgt Ion:188 Resp: 3555
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.3 5.3 7.9

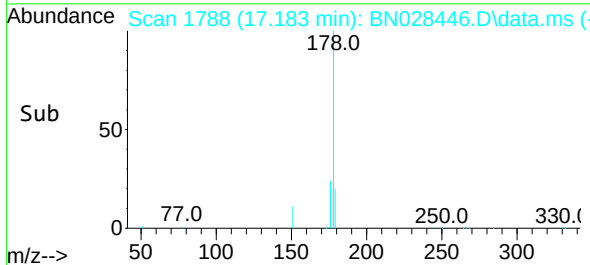
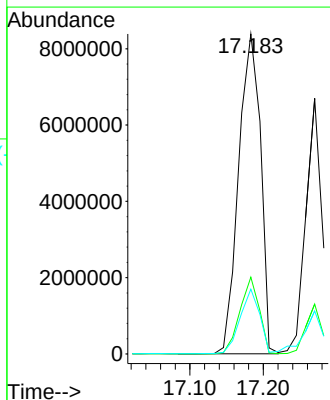
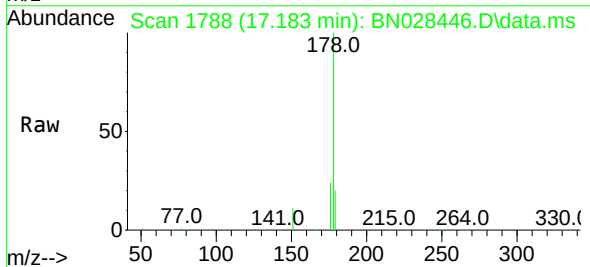
Manual Integrations
APPROVED

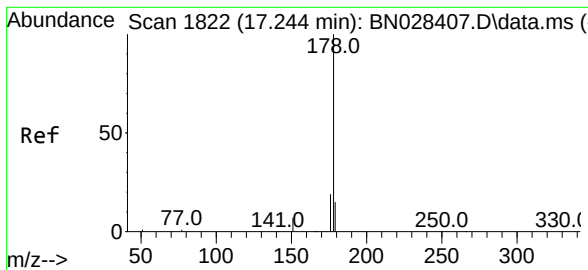
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#25
Phenanthrene
Concen: 165.181 ng
RT: 17.183 min Scan# 1788
Delta R.T. 0.026 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

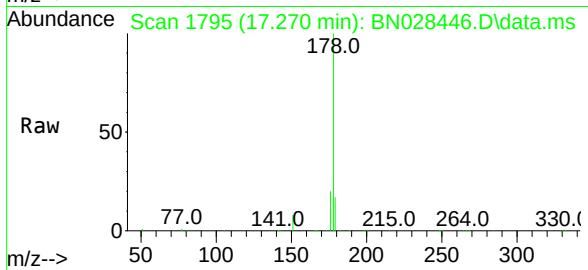
Tgt Ion:178 Resp:17349761
Ion Ratio Lower Upper
178 100
176 21.2 15.2 22.8
179 18.4 12.2 18.2#





#26
 Anthracene
 Concen: 100.582 ng
 RT: 17.270 min Scan# 11
 Delta R.T. 0.026 min
 Lab File: BN028446.D
 Acq: 03 Nov 2023 06:32

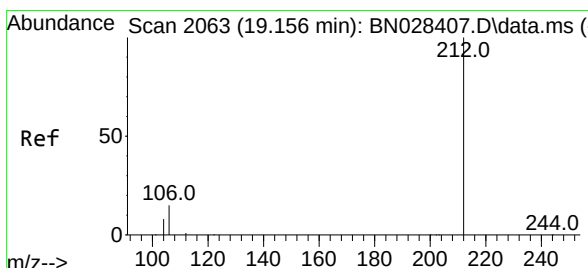
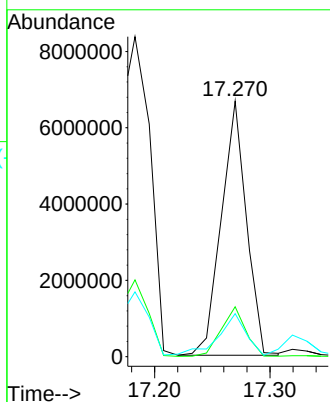
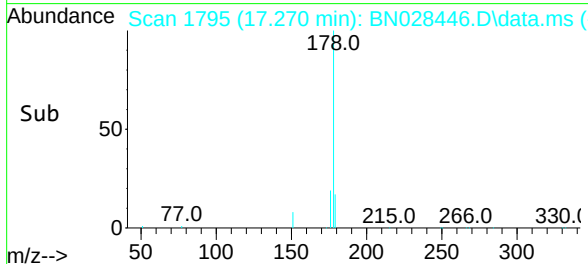
Instrument :
 BNA_N
 ClientSampleId :
 Z-7(0-5)



Tgt Ion:178 Resp:1008775
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.9 22.3
 179 17.8 12.2 18.4

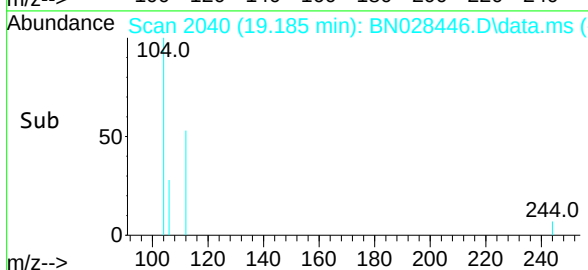
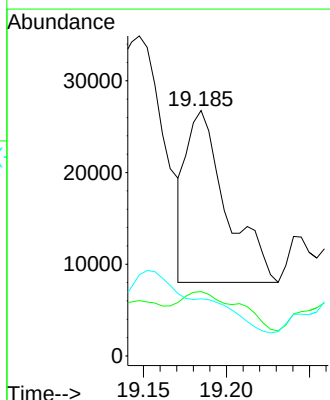
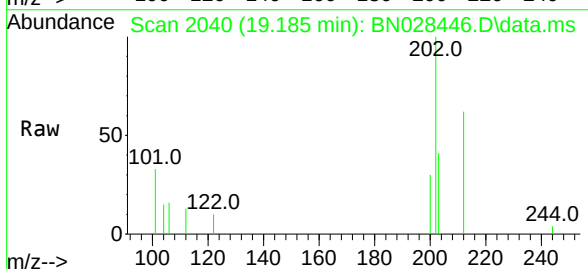
Manual Integrations
 APPROVED

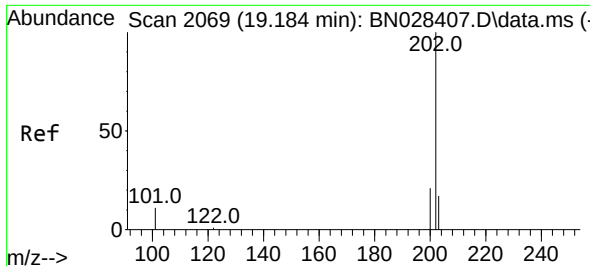
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023



#27
 Fluoranthene-d10
 Concen: 0.358 ng
 RT: 19.185 min Scan# 2040
 Delta R.T. 0.029 min
 Lab File: BN028446.D
 Acq: 03 Nov 2023 06:32

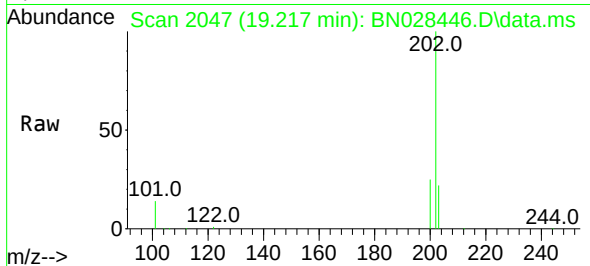
Tgt Ion:212 Resp: 31430
 Ion Ratio Lower Upper
 212 100
 106 33.2 11.9 17.9#
 104 0.0 6.7 10.1#





#28
Fluoranthene
Concen: 158.309 ng m
RT: 19.217 min Scan# 2069
Delta R.T. 0.033 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

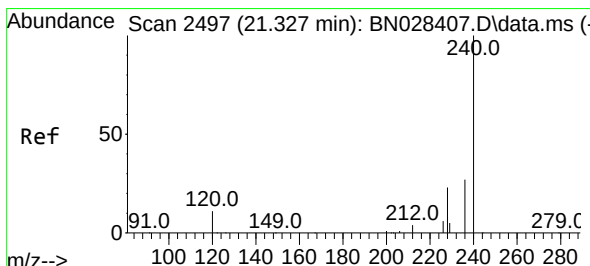
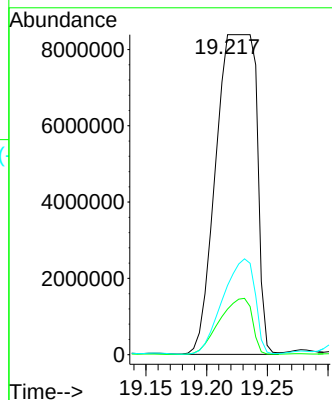
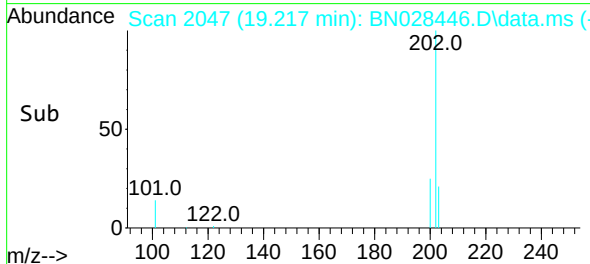
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:202 Resp:1940906
Ion Ratio Lower Upper
202 100
101 1.5 9.3 13.9#
203 3.0 13.7 20.5#

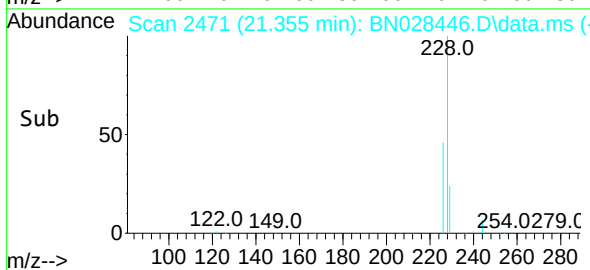
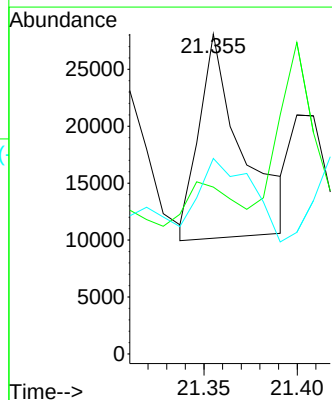
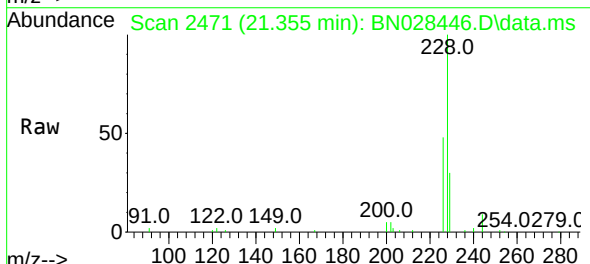
Manual Integrations
APPROVED

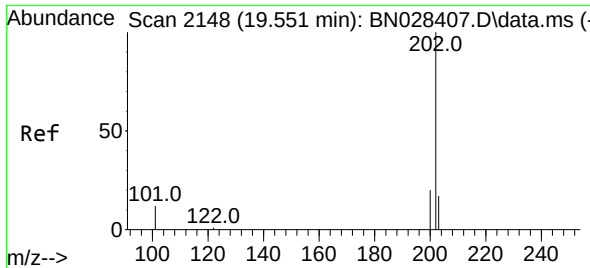
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.355 min Scan# 2471
Delta R.T. 0.028 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

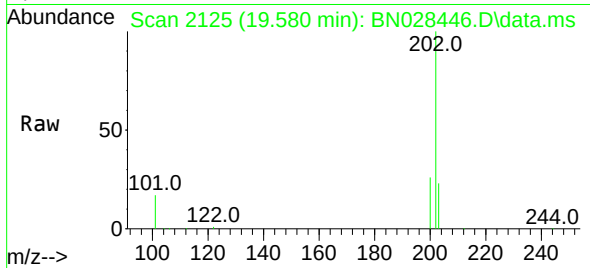
Tgt Ion:240 Resp: 28489
Ion Ratio Lower Upper
240 100
120 52.1 9.8 14.6#
236 61.1 22.2 33.2#





#30
Pyrene
Concen: 161.982 ng
RT: 19.580 min Scan# 2148
Delta R.T. 0.029 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

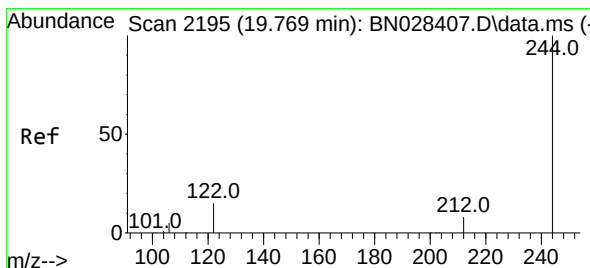
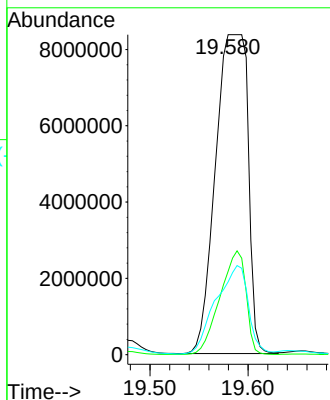
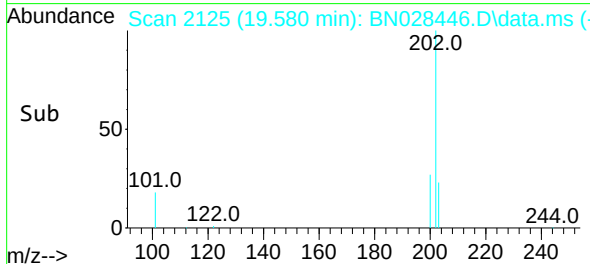
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:202 Resp:19248058
Ion Ratio Lower Upper
202 100
200 25.9 16.6 25.0#
203 27.5 14.2 21.2#

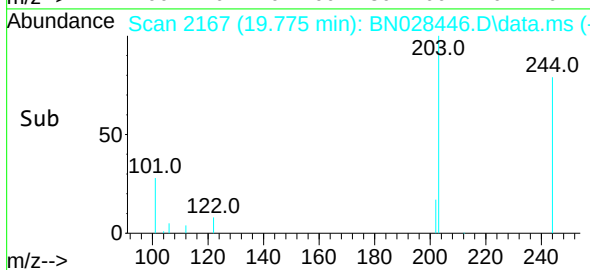
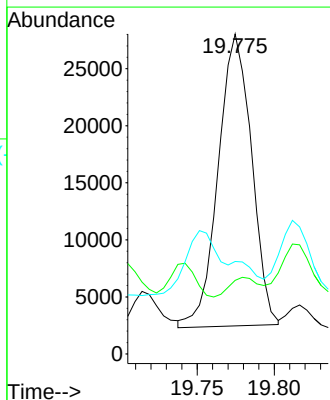
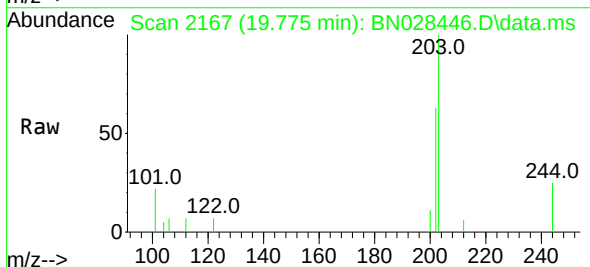
Manual Integrations
APPROVED

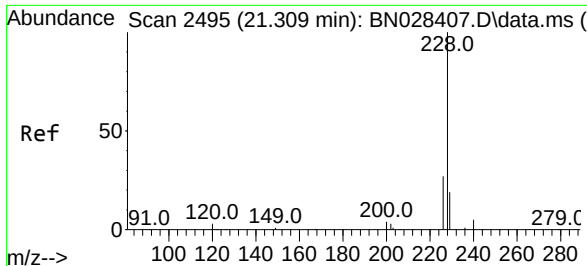
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#31
Terphenyl-d14
Concen: 0.642 ng
RT: 19.775 min Scan# 2167
Delta R.T. 0.005 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

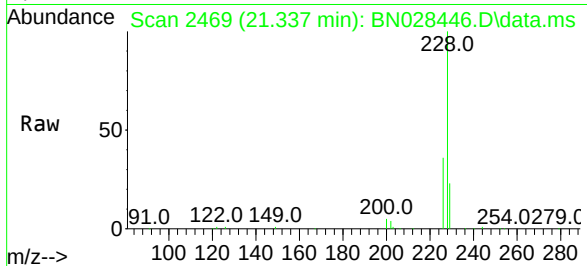
Tgt Ion:244 Resp: 38522
Ion Ratio Lower Upper
244 100
212 23.0 6.6 10.0#
122 28.9 12.6 19.0#





#32
Benzo(a)anthracene
Concen: 115.001 ng
RT: 21.337 min Scan# 2469
Delta R.T. 0.028 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

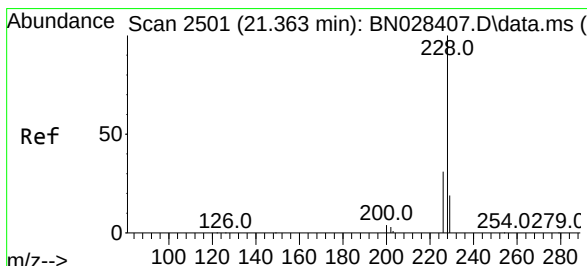
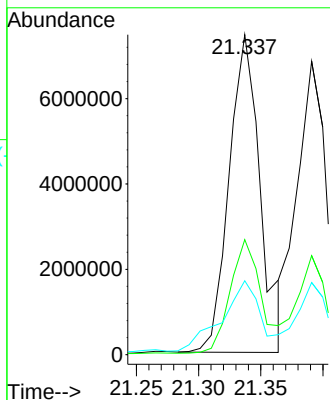
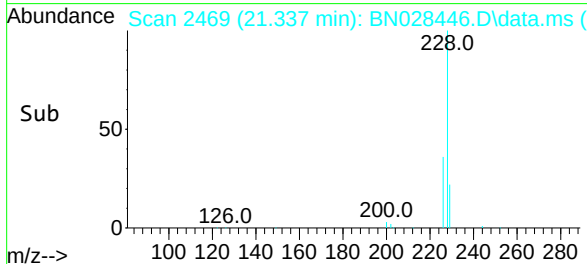
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



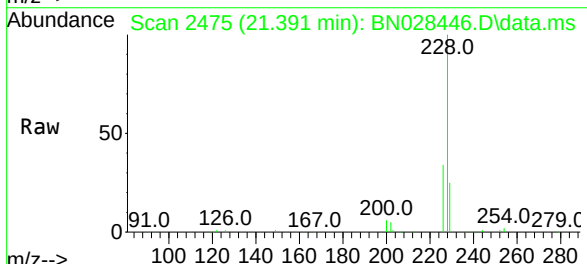
Tgt Ion:228 Resp:13001728
Ion Ratio Lower Upper
228 100
226 36.0 21.8 32.8
229 23.1 15.5 23.3

Manual Integrations
APPROVED

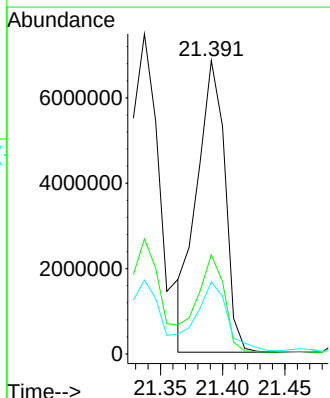
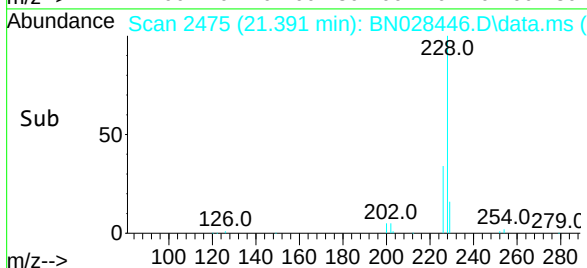
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

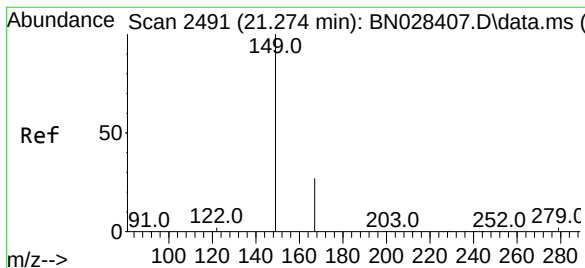


#33
Chrysene
Concen: 95.151 ng
RT: 21.391 min Scan# 2475
Delta R.T. 0.028 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



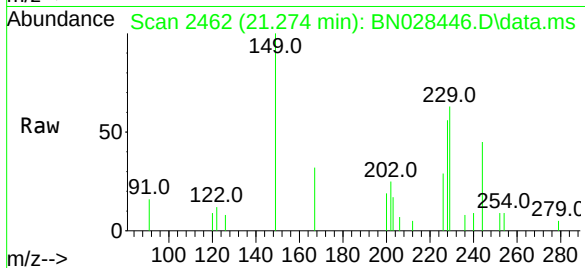
Tgt Ion:228 Resp:10715798
Ion Ratio Lower Upper
228 100
226 33.8 24.6 36.8
229 24.6 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.258 ng
RT: 21.274 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

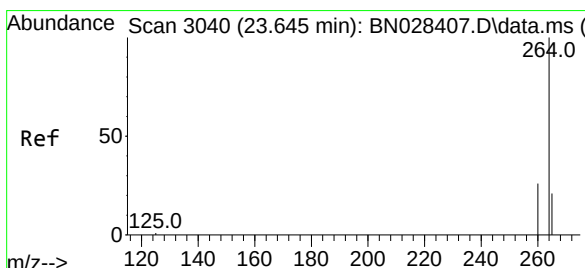
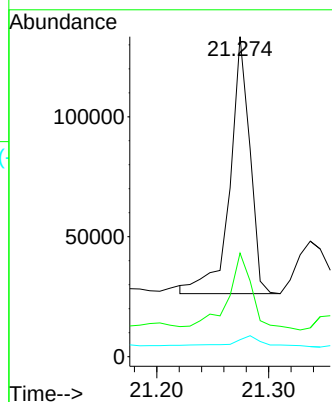
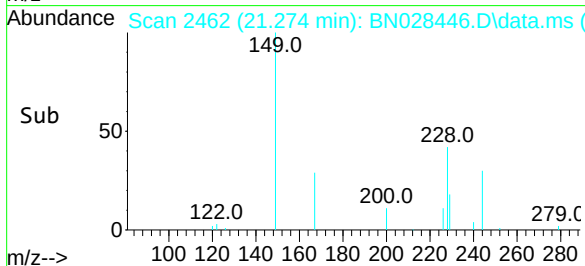
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:149 Resp: 13198
Ion Ratio Lower Upper
149 100
167 37.7 21.4 32.0#
279 7.4 2.3 3.5#

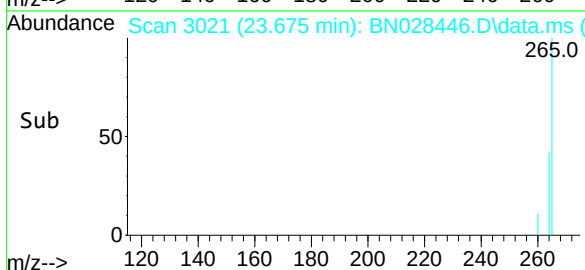
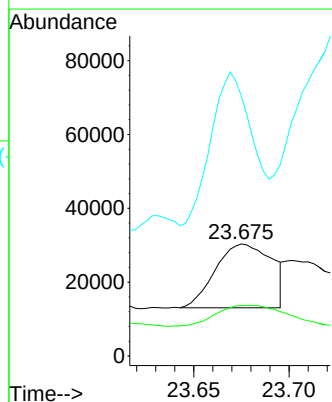
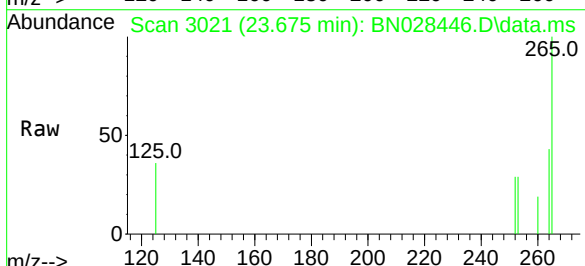
Manual Integrations
APPROVED

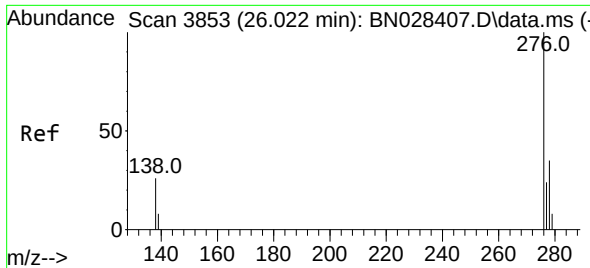
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.675 min Scan# 3021
Delta R.T. 0.030 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

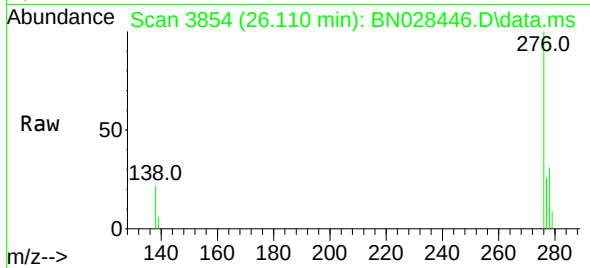
Tgt Ion:264 Resp: 35786
Ion Ratio Lower Upper
264 100
260 44.8 20.8 31.2#
265 232.4 21.7 32.5#





#36
Indeno(1,2,3-cd)pyrene
Concen: 55.929 ng
RT: 26.110 min Scan# 3854
Delta R.T. 0.088 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

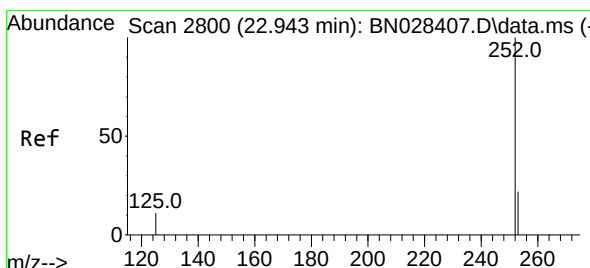
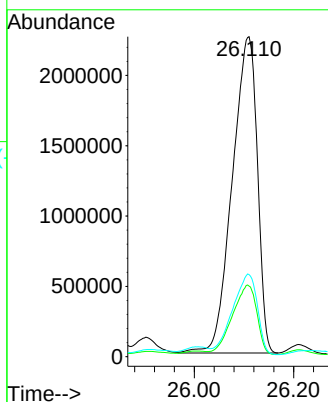
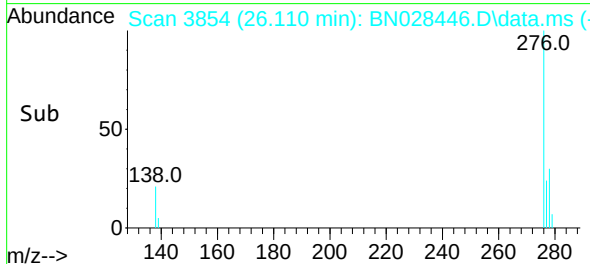
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:276 Resp: 7891800
Ion Ratio Lower Upper
276 100
138 21.4 24.1 36.1
277 25.1 19.7 29.5

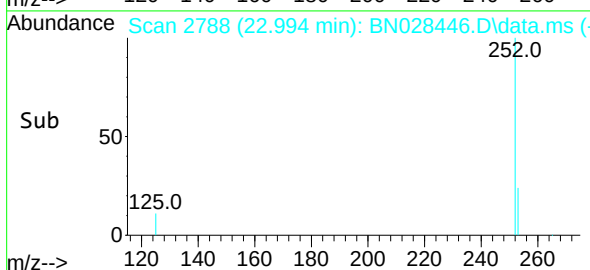
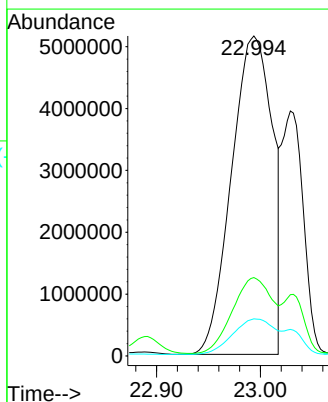
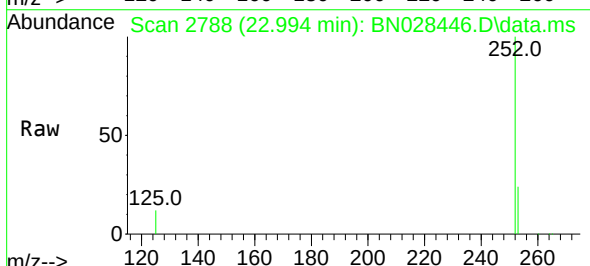
Manual Integrations
APPROVED

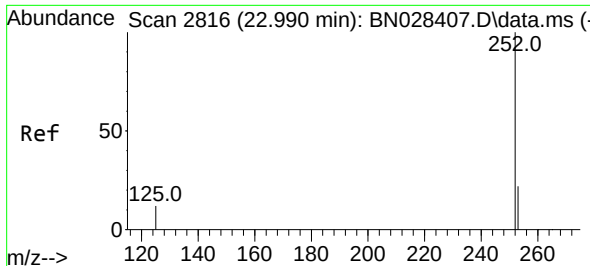
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#37
Benzo(b)fluoranthene
Concen: 100.408 ng
RT: 22.994 min Scan# 2788
Delta R.T. 0.051 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

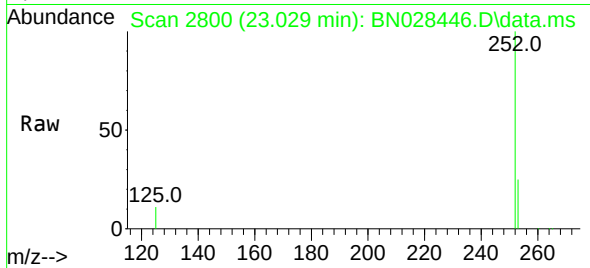
Tgt Ion:252 Resp:13996772
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.4
125 11.6 10.0 15.0





#38
Benzo(k)fluoranthene
Concen: 41.320 ng m
RT: 23.029 min Scan# 21
Delta R.T. 0.039 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

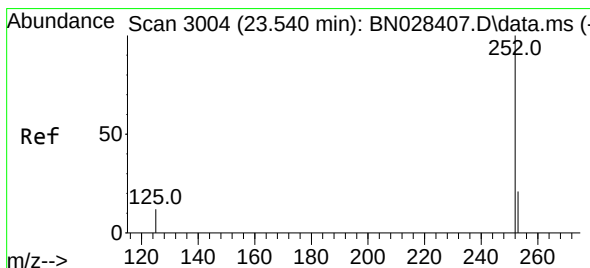
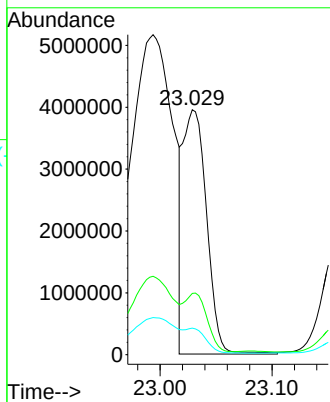
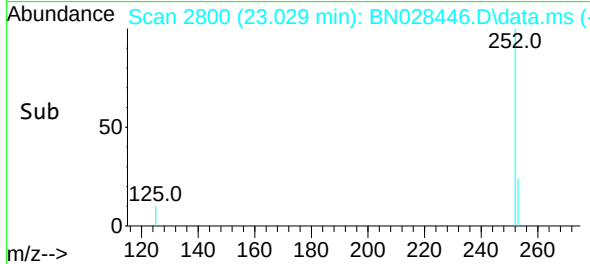
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



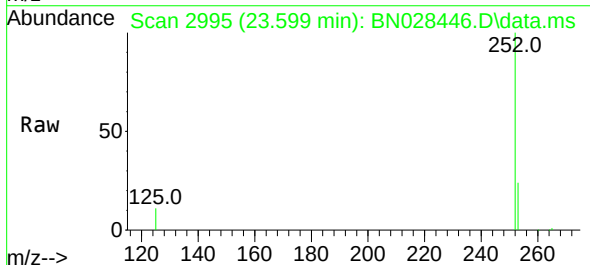
Tgt Ion:252 Resp: 578946
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 10.8 10.2 15.2

Manual Integrations
APPROVED

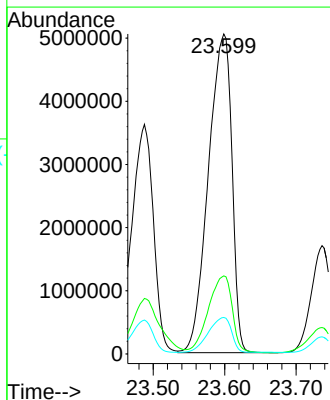
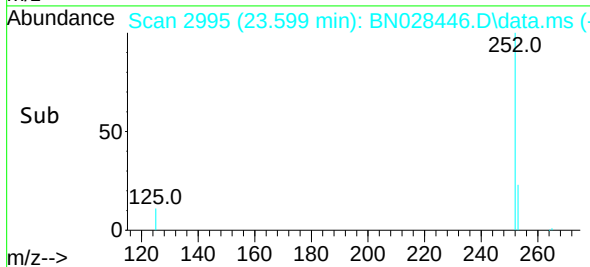
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

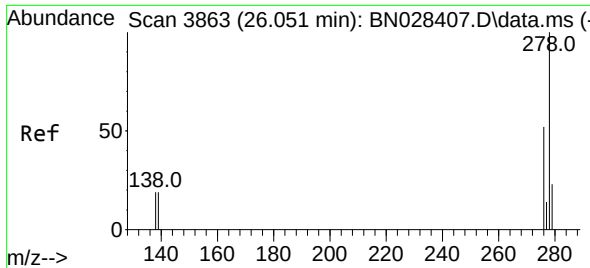


#39
Benzo(a)pyrene
Concen: 94.465 ng
RT: 23.599 min Scan# 2995
Delta R.T. 0.059 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32



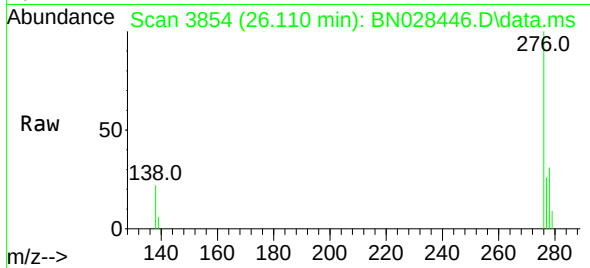
Tgt Ion:252 Resp:11510759
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.4 11.0 16.6





#40
Dibenzo(a,h)anthracene
Concen: 18.942 ng
RT: 26.110 min Scan# 3863
Delta R.T. 0.059 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

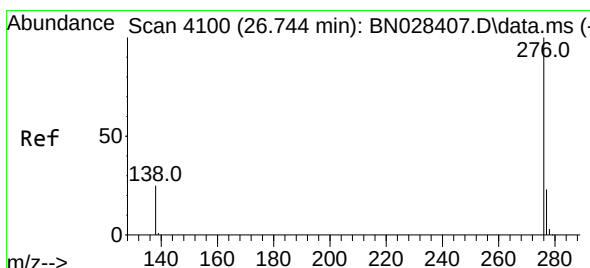
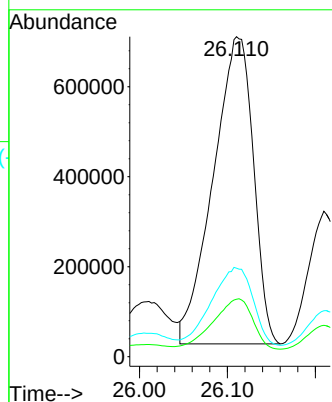
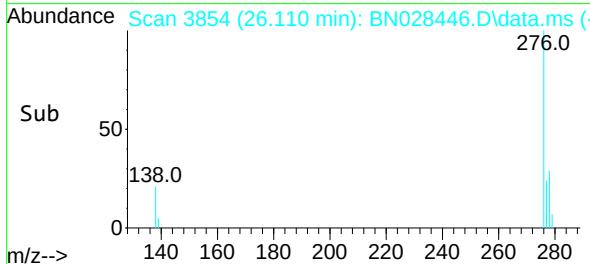
Instrument :
BNA_N
ClientSampleId :
Z-7(0-5)



Tgt Ion:278 Resp: 2167538
Ion Ratio Lower Upper
278 100
139 17.9 15.8 23.8
279 27.7 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#41
Benzo(g,h,i)perylene
Concen: 60.253 ng
RT: 26.853 min Scan# 4108
Delta R.T. 0.109 min
Lab File: BN028446.D
Acq: 03 Nov 2023 06:32

Tgt Ion:276 Resp: 7383983
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.4
138 22.1 21.1 31.7

