

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
 Data File : BN028444.D
 Acq On : 03 Nov 2023 05:20
 Operator : MA/JU
 Sample : 05220-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:02:55 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	7.731	152	11382	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	35182	0.400	ng	# 0.00
13) Acenaphthene-d10	14.363	164	40304m	0.400	ng	0.00
19) Phenanthrene-d10	17.121	188	34482m	0.400	ng	0.00
29) Chrysene-d12	21.346	240	16122m	0.400	ng	0.02
35) Perylene-d12	23.657	264	53418m	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	7412	0.249	ng	0.01
5) Phenol-d6	6.901	99	8958	0.238	ng	0.01
8) Nitrobenzene-d5	8.875	82	6366	0.280	ng	0.00
11) 2-Methylnaphthalene-d10	12.117	152	12122	0.241	ng	0.00
14) 2,4,6-Tribromophenol	15.867	330	1912m	0.122	ng	0.01
15) 2-Fluorobiphenyl	13.006	172	7071m	0.148	ng	0.00
27) Fluoranthene-d10	19.171	212	9060m	0.106	ng	0.01
31) Terphenyl-d14	19.775	244	21948m	0.646	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	6597156	69.475	ng	99
12) 2-Methylnaphthalene	12.193	142	3062364	46.279	ng	99
16) Acenaphthylene	14.096	152	6136624	30.826	ng	98
17) Acenaphthene	14.438	154	1172840m	9.292	ng	
18) Fluorene	15.619	166	586240	3.413	ng	# 72
25) Phenanthrene	17.183	178	15886565m	155.966	ng	
26) Anthracene	17.257	178	6473164m	66.554	ng	
28) Fluoranthene	19.208	202	11239948m	94.536	ng	
30) Pyrene	19.570	202	14917644	221.840	ng	# 91
32) Benzo(a)anthracene	21.328	228	7337744m	114.689	ng	
33) Chrysene	21.382	228	7356490m	115.429	ng	
34) Bis(2-ethylhexyl)phtha...	21.274	149	52513m	1.588	ng	
36) Indeno(1,2,3-cd)pyrene	26.075	276	4135662m	19.666	ng	
37) Benzo(b)fluoranthene	22.973	252	7482682m	36.004	ng	
38) Benzo(k)fluoranthene	23.011	252	2415014m	11.547	ng	
39) Benzo(a)pyrene	23.575	252	7562677	41.578	ng	96
40) Dibenzo(a,h)anthracene	26.084	278	1270861m	7.440	ng	
41) Benzo(g,h,i)perylene	26.821	276	4473941	24.457	ng	95

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

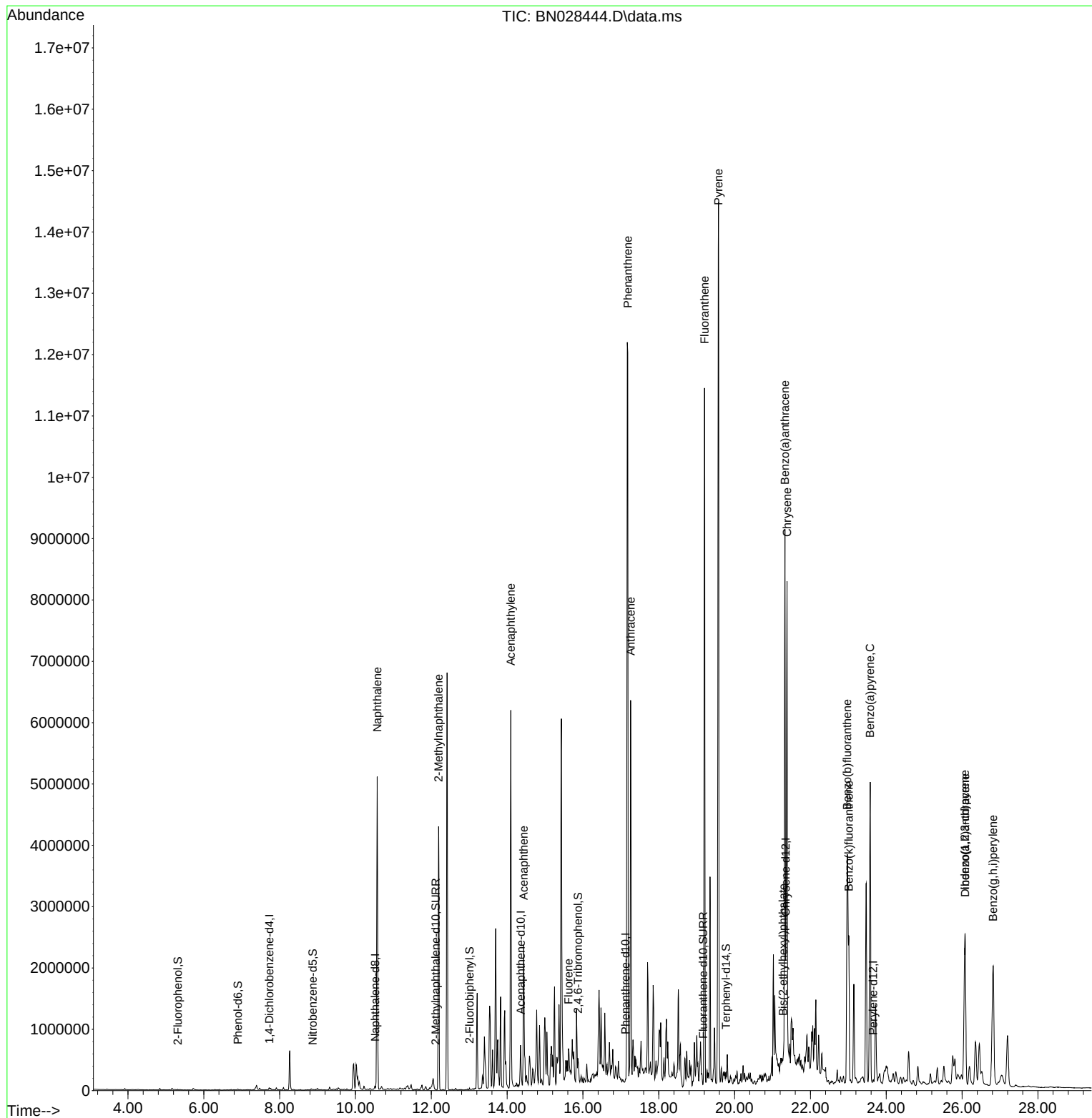
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
Data File : BN028444.D
Acq On : 03 Nov 2023 05:20
Operator : MA/JU
Sample : 05220-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

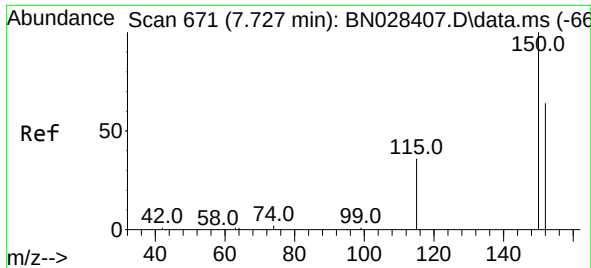
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)

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

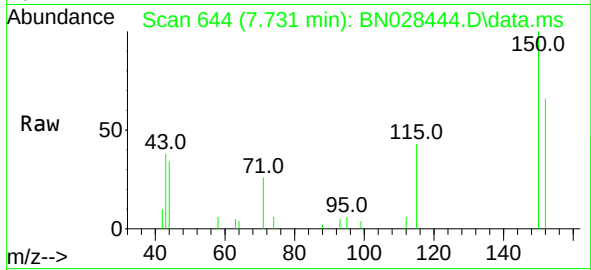
Quant Time: Nov 03 06:02:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 06:26:50 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 644
Delta R.T. 0.004 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

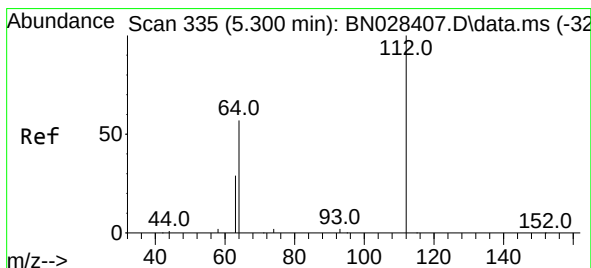
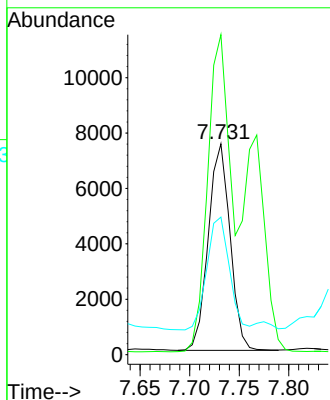
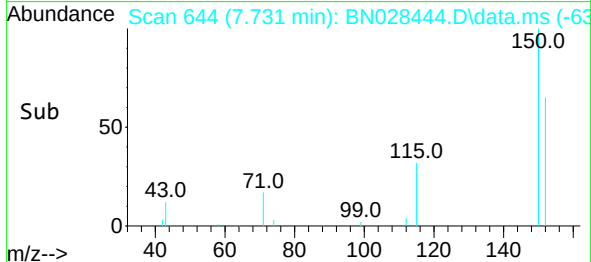
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



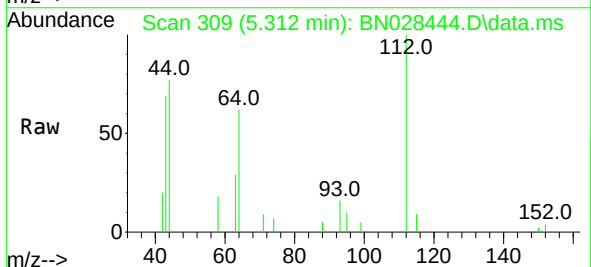
Tgt Ion:152 Resp: 1138
Ion Ratio Lower Upper
152 100
150 151.8 123.8 185.6
115 65.2 47.0 70.6

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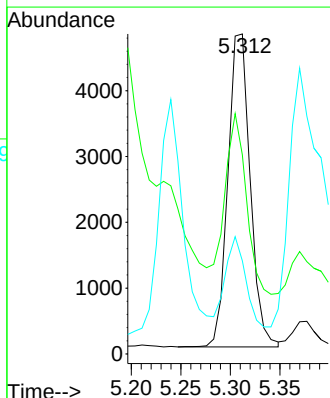
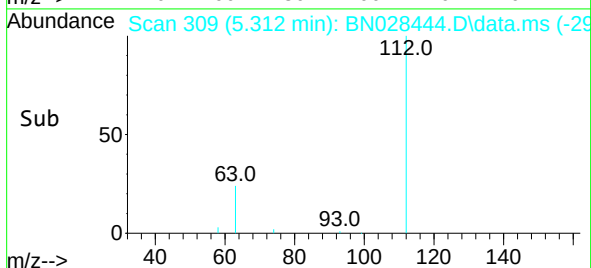
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

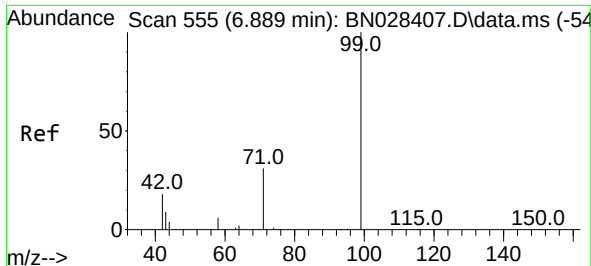


#4
2-Fluorophenol
Concen: 0.249 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.012 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



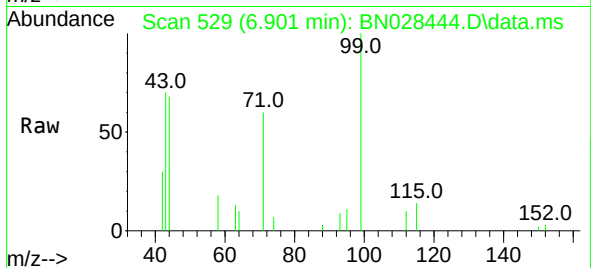
Tgt Ion:112 Resp: 7412
Ion Ratio Lower Upper
112 100
64 56.3 44.3 66.5
63 25.6 22.6 33.8





#5
Phenol-d6
Concen: 0.238 ng
RT: 6.901 min Scan# 511
Delta R.T. 0.012 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

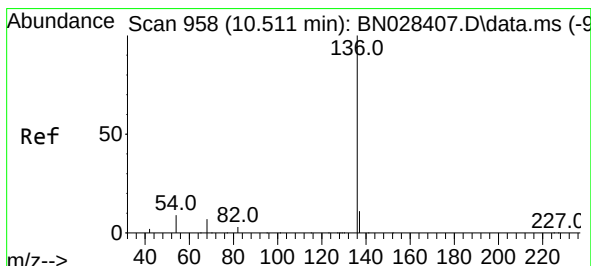
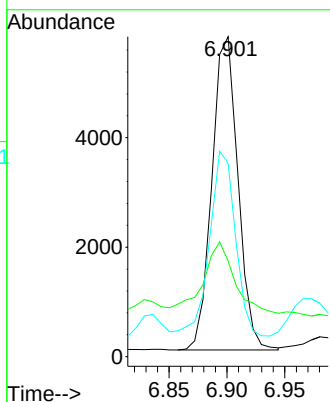
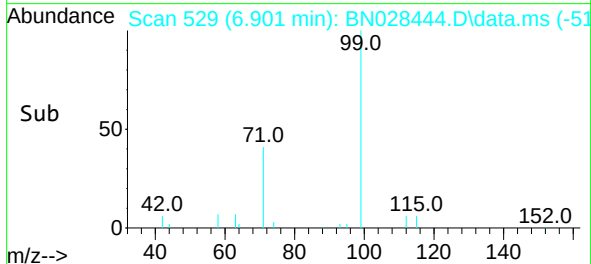
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



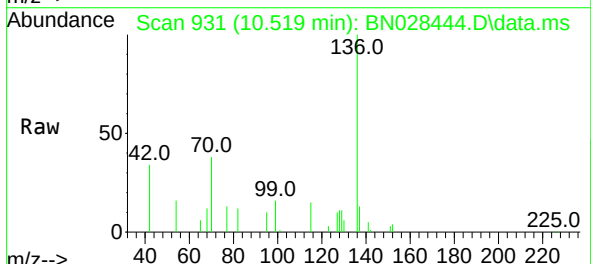
Tgt Ion: 99 Resp: 8958
Ion Ratio Lower Upper
99 100
42 30.9 15.4 23.0#
71 58.7 24.4 36.6#

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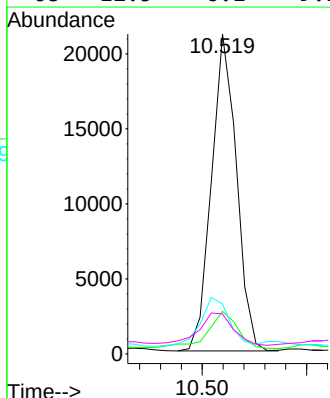
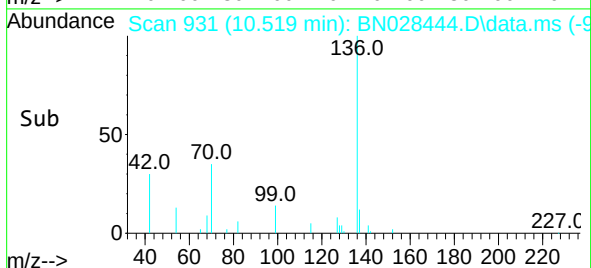
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

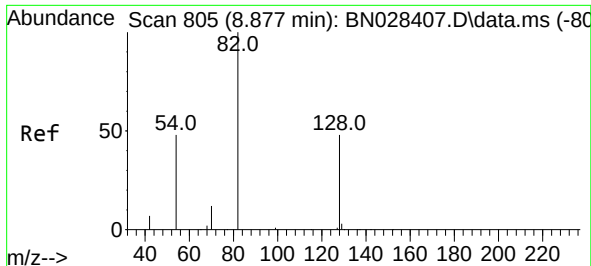


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. 0.008 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



Tgt Ion:136 Resp: 35182
Ion Ratio Lower Upper
136 100
137 13.3 9.0 13.4
54 15.6 7.9 11.9#
68 12.5 6.1 9.1#





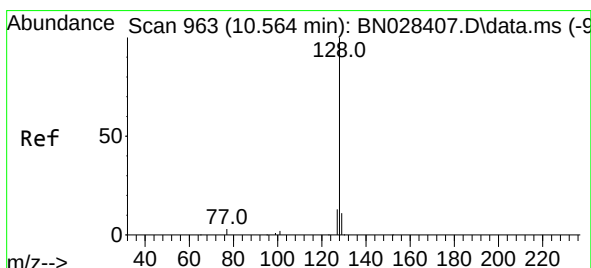
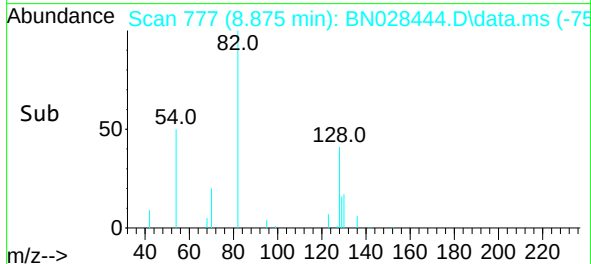
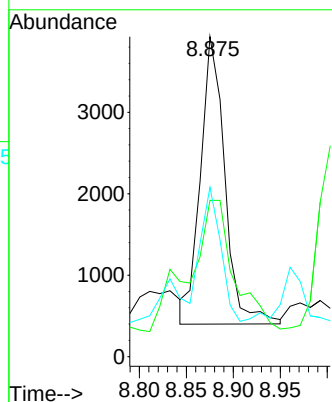
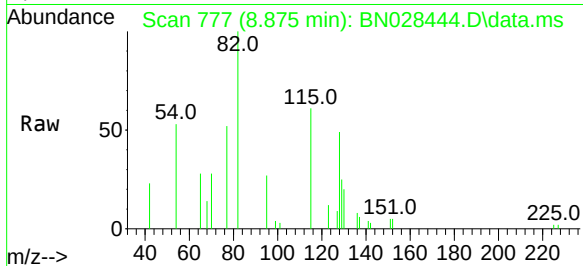
#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 8.875 min Scan# 71
Delta R.T. -0.002 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

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

Tgt Ion: 82 Resp: 636
Ion Ratio Lower Upper
82 100
128 48.9 38.8 58.2
54 52.9 40.3 60.5

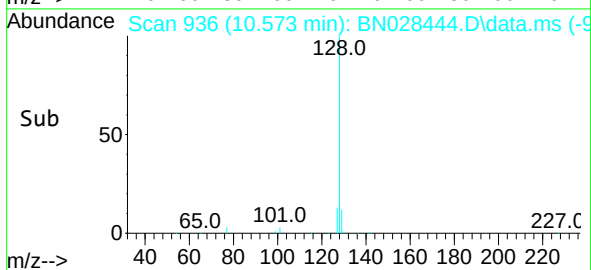
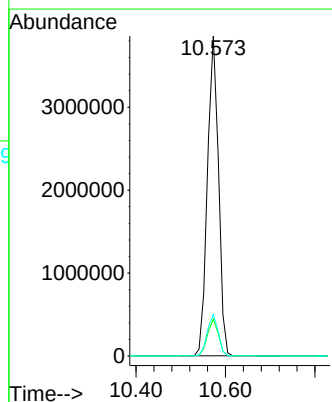
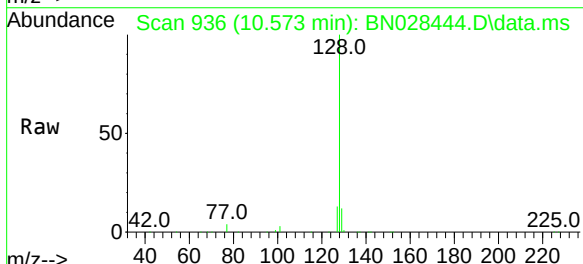
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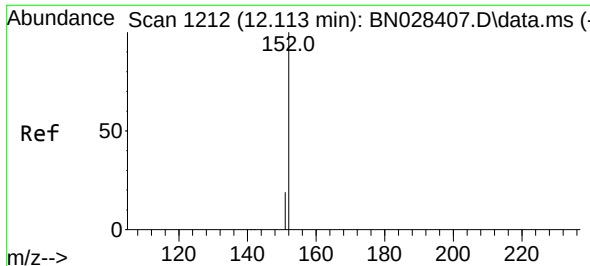
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#9
Naphthalene
Concen: 69.475 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.008 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

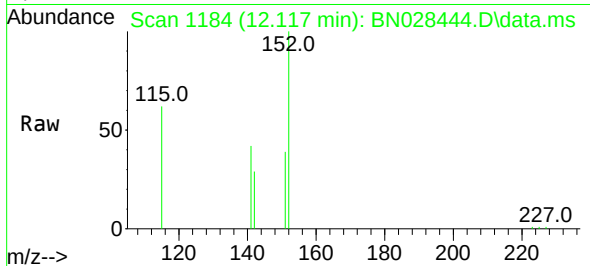
Tgt Ion:128 Resp: 6597156
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 12.9 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.241 ng
RT: 12.117 min Scan# 1112
Delta R.T. 0.005 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

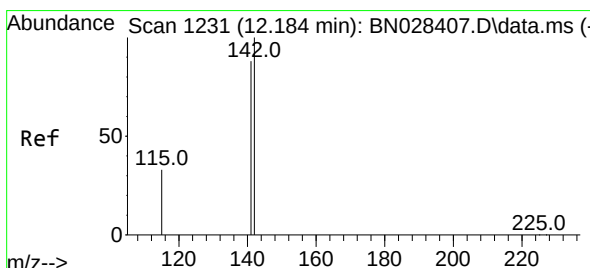
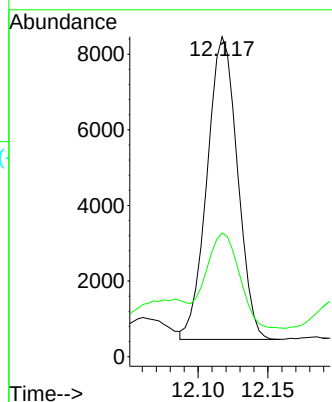
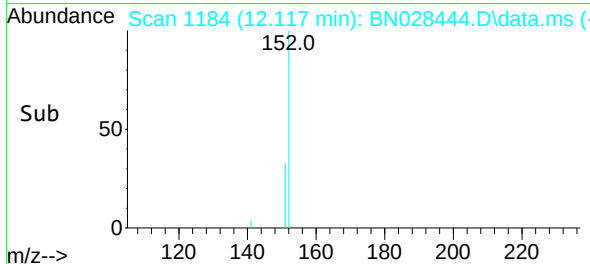
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



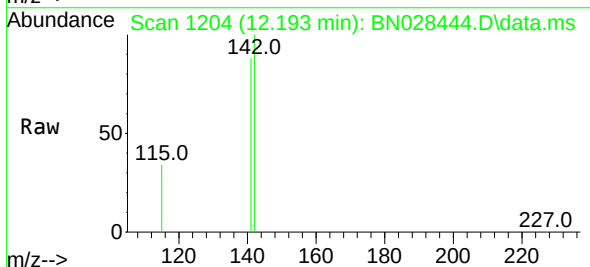
Tgt Ion:152 Resp: 1212
Ion Ratio Lower Upper
152 100
151 36.7 16.4 24.6

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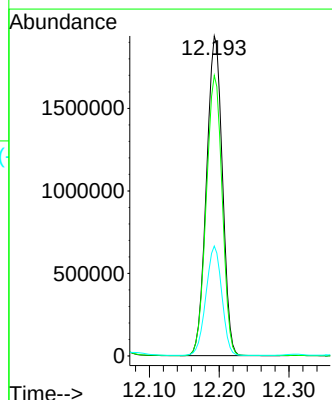
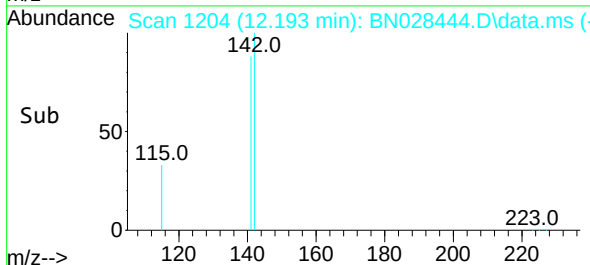
Reviewed By :Yogesh Patel 11/04/2023
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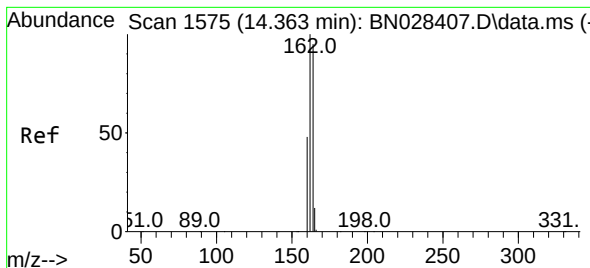


#12
2-Methylnaphthalene
Concen: 46.279 ng
RT: 12.193 min Scan# 1204
Delta R.T. 0.008 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



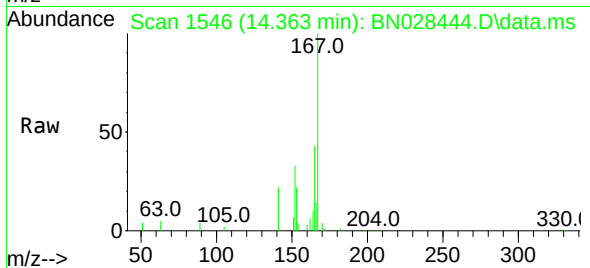
Tgt Ion:142 Resp: 3062364
Ion Ratio Lower Upper
142 100
141 87.7 70.7 106.1
115 34.3 27.6 41.4





#13
Acenaphthene-d10
Concen: 0.400 ng m
RT: 14.363 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

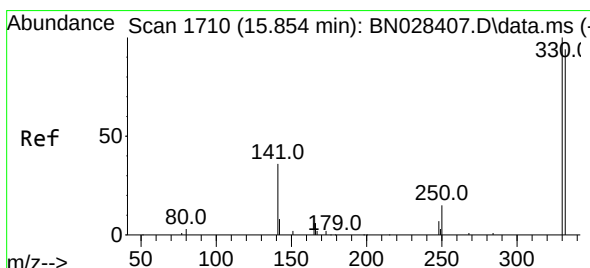
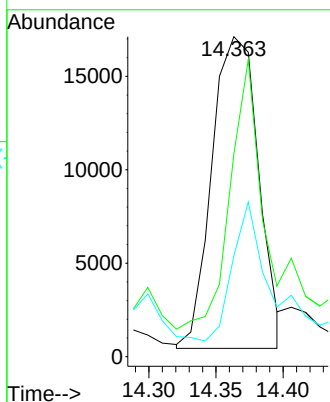
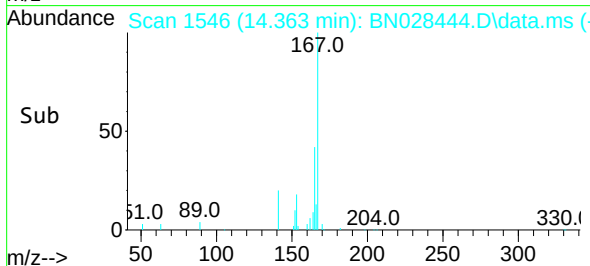
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



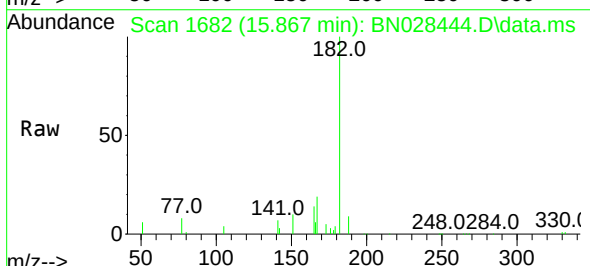
Tgt Ion:164 Resp: 40304
Ion Ratio Lower Upper
164 100
162 63.3 84.6 127.0#
160 31.6 41.3 61.9#

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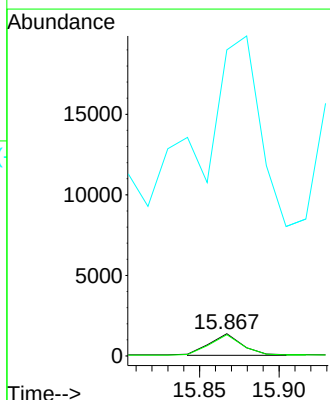
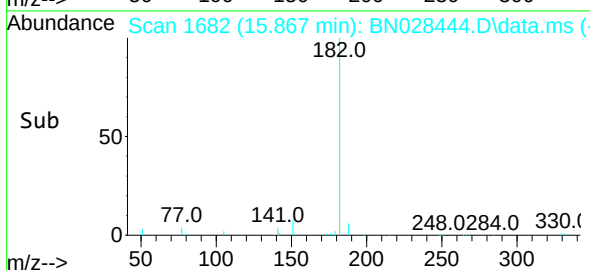
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

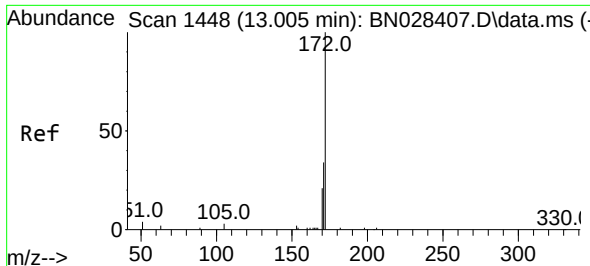


#14
2,4,6-Tribromophenol
Concen: 0.122 ng m
RT: 15.867 min Scan# 1682
Delta R.T. 0.013 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



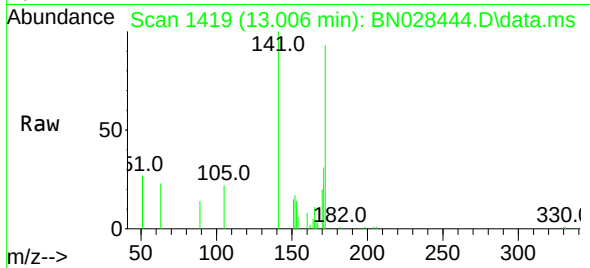
Tgt Ion:330 Resp: 1912
Ion Ratio Lower Upper
330 100
332 0.0 76.2 114.2#
141 0.0 32.8 49.2#





#15
2-Fluorobiphenyl
Concen: 0.148 ng m
RT: 13.006 min Scan# 1448
Delta R.T. 0.001 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

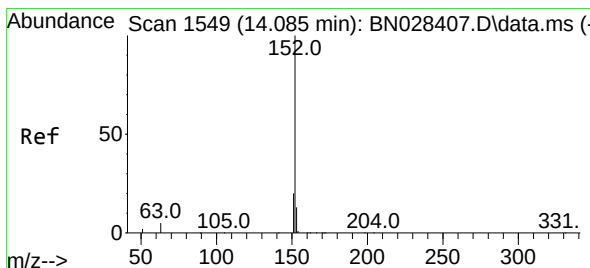
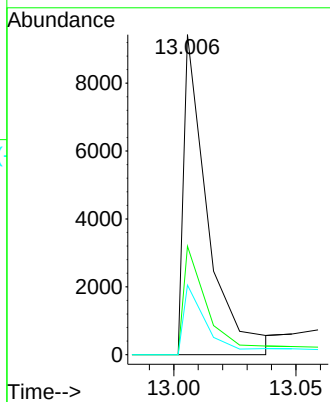
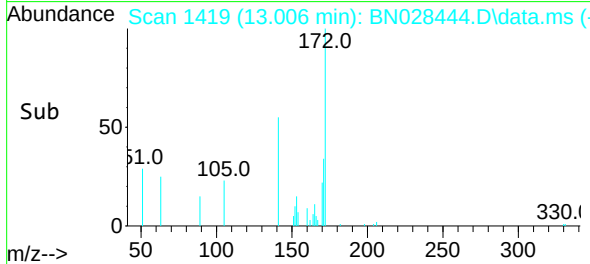
Instrument :
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ClientSampleId :
Z-5(0-5)



Tgt Ion:172 Resp: 707
Ion Ratio Lower Upper
172 100
171 33.9 27.2 40.8
170 21.8 17.1 25.7

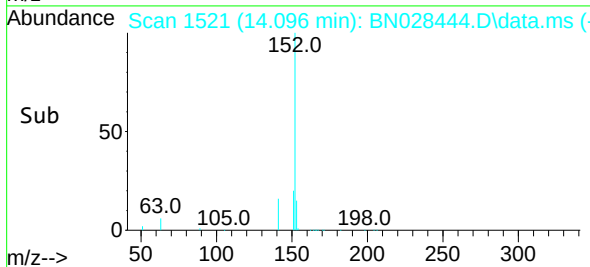
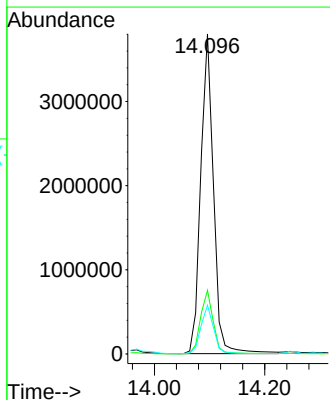
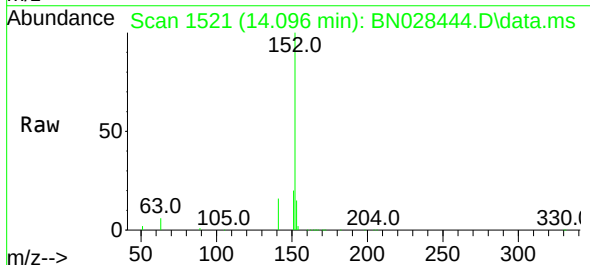
Manual Integrations
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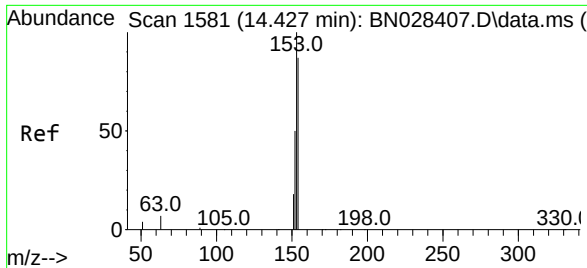
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#16
Acenaphthylene
Concen: 30.826 ng
RT: 14.096 min Scan# 1521
Delta R.T. 0.011 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

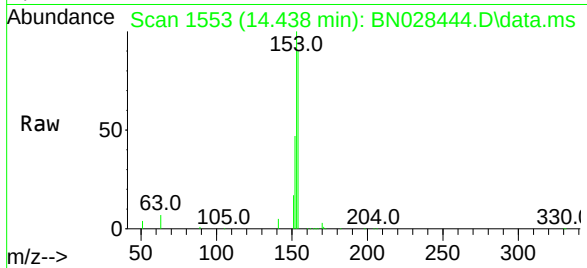
Tgt Ion:152 Resp: 6136624
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 15.1 10.5 15.7





#17
Acenaphthene
Concen: 9.292 ng m
RT: 14.438 min Scan# 1553
Delta R.T. 0.011 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

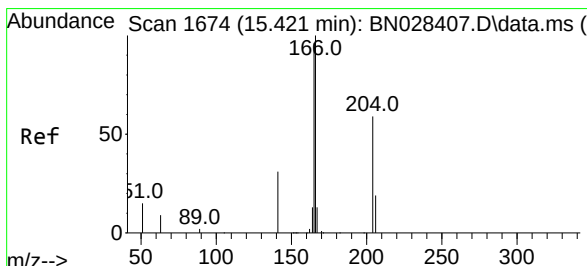
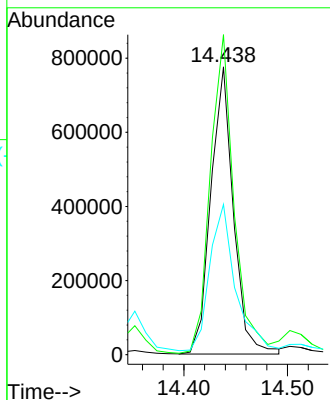
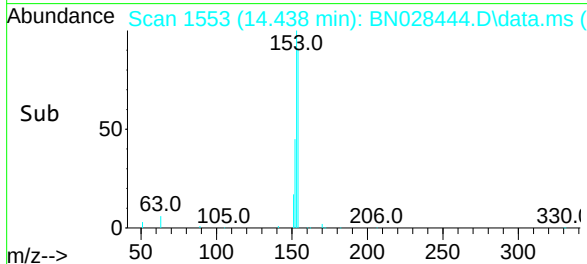
Instrument :
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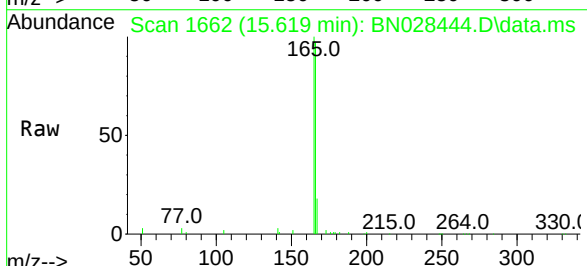
Tgt Ion:154 Resp: 1172840
Ion Ratio Lower Upper
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153 13.6 90.5 135.7
152 9.3 45.8 68.6

Manual Integrations
APPROVED

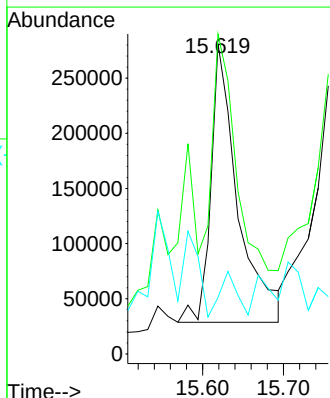
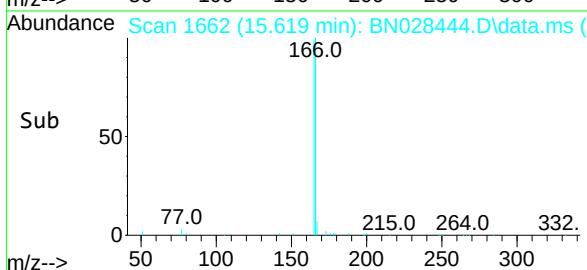
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

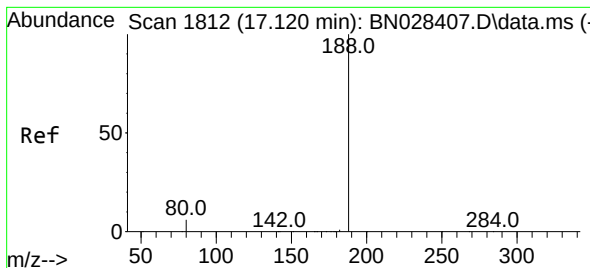


#18
Fluorene
Concen: 3.413 ng
RT: 15.619 min Scan# 1662
Delta R.T. 0.198 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



Tgt Ion:166 Resp: 586240
Ion Ratio Lower Upper
166 100
165 69.0 79.2 118.8#
167 7.8 10.6 16.0#





#19

Phenanthrene-d10

Concen: 0.400 ng m

RT: 17.121 min Scan# 11

Delta R.T. 0.001 min

Lab File: BN028444.D

Acq: 03 Nov 2023 05:20

Instrument :

BNA_N

ClientSampleId :

Z-5(0-5)

Tgt Ion:188 Resp: 3448

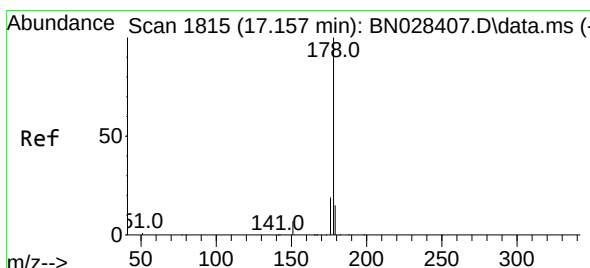
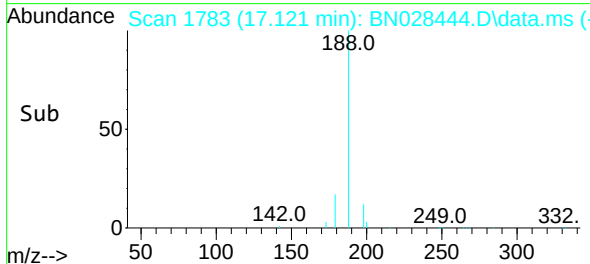
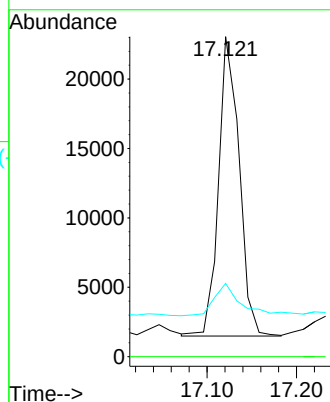
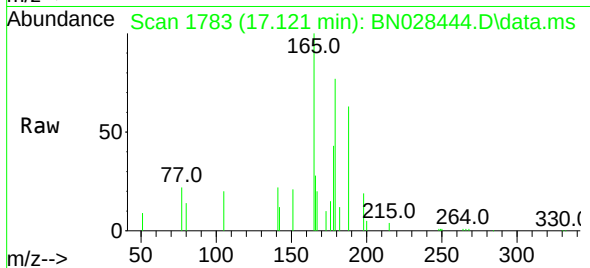
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	22.9	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#25

Phenanthrene

Concen: 155.966 ng m

RT: 17.183 min Scan# 1788

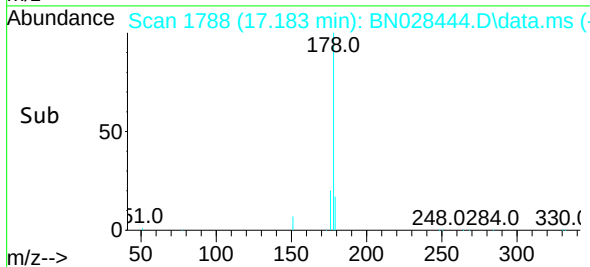
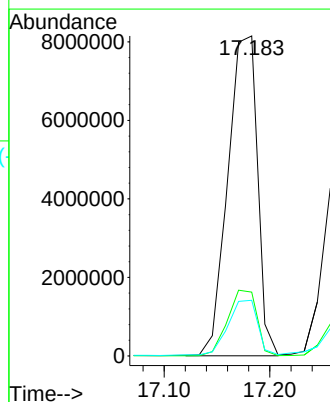
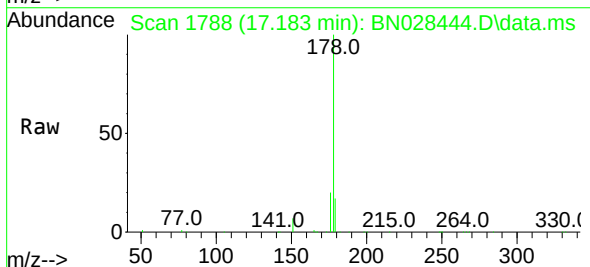
Delta R.T. 0.026 min

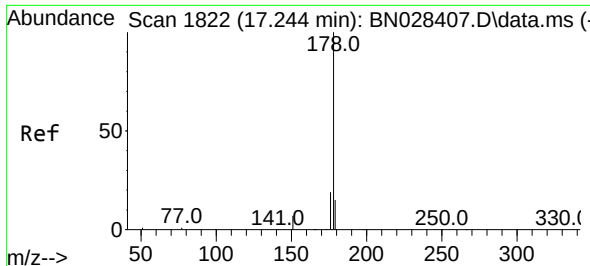
Lab File: BN028444.D

Acq: 03 Nov 2023 05:20

Tgt Ion:178 Resp:15886565

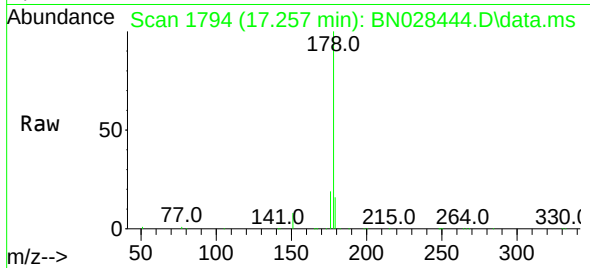
Ion	Ratio	Lower	Upper
178	100		
176	7.6	15.2	22.8#
179	6.7	12.2	18.2#





#26
 Anthracene
 Concen: 66.554 ng m
 RT: 17.257 min Scan# 1794
 Delta R.T. 0.013 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20

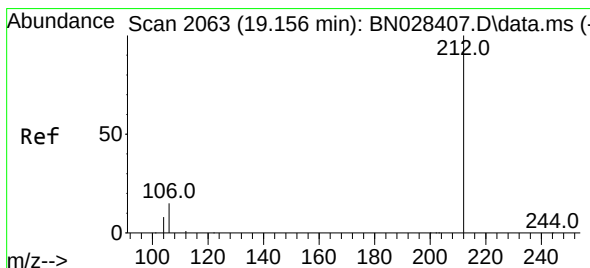
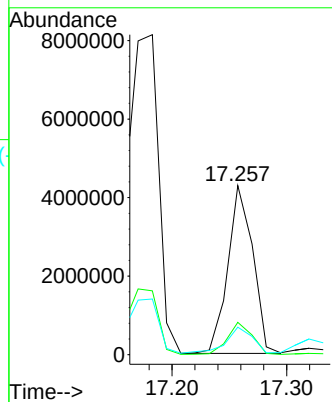
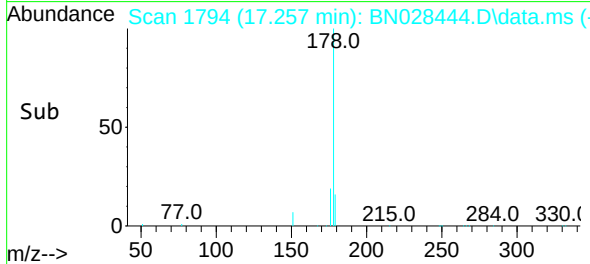
Instrument :
 BNA_N
 ClientSampleId :
 Z-5(0-5)



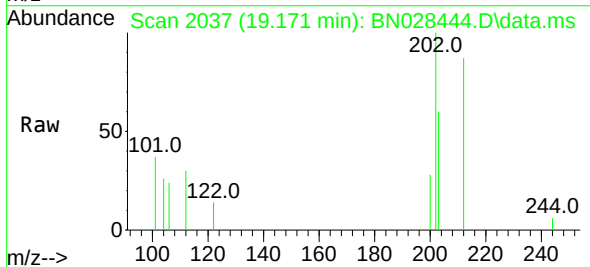
Tgt Ion:178 Resp: 6473164
 Ion Ratio Lower Upper
 178 100
 176 0.9 14.9 22.3#
 179 11.9 12.2 18.4#

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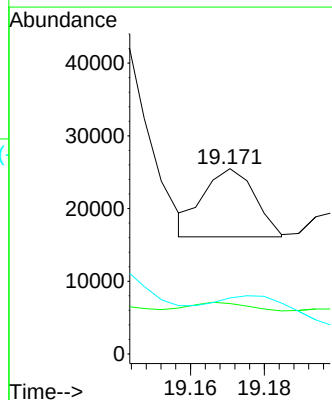
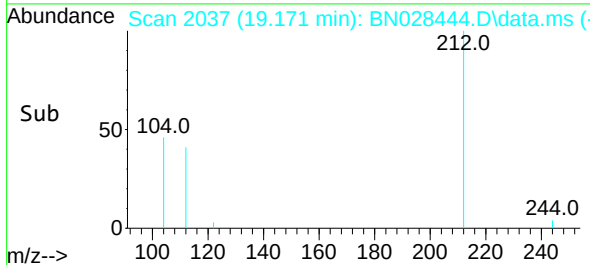
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

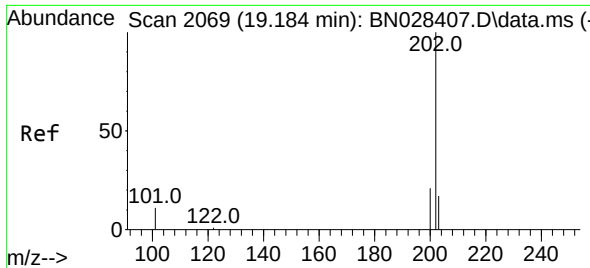


#27
 Fluoranthene-d10
 Concen: 0.106 ng m
 RT: 19.171 min Scan# 2037
 Delta R.T. 0.015 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20



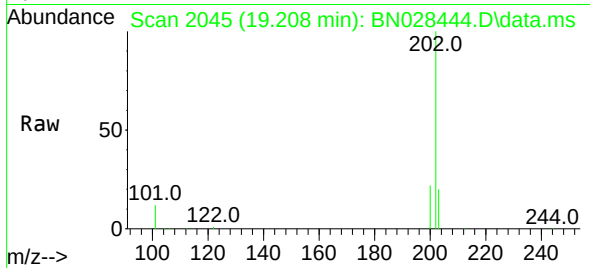
Tgt Ion:212 Resp: 9060
 Ion Ratio Lower Upper
 212 100
 106 66.8 11.9 17.9#
 104 474.7 6.7 10.1#





#28
Fluoranthene
Concen: 94.536 ng m
RT: 19.208 min Scan# 2069
Delta R.T. 0.024 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

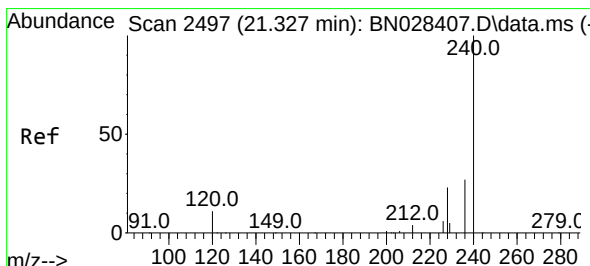
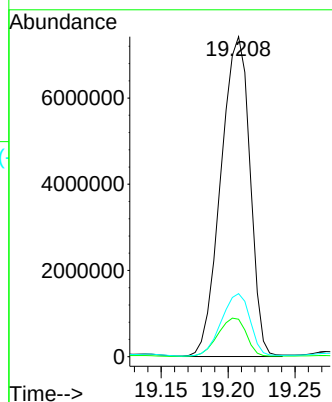
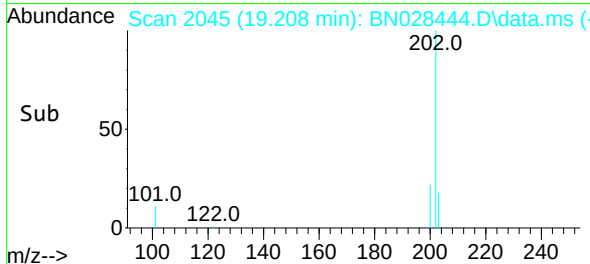
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



Tgt Ion:202 Resp:1123994
Ion Ratio Lower Upper
202 100
101 2.5 9.3 13.9#
203 4.7 13.7 20.5#

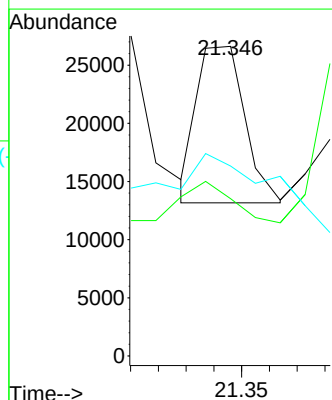
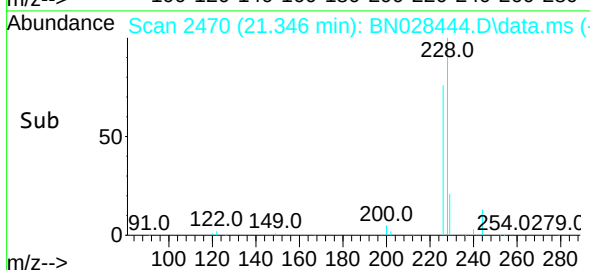
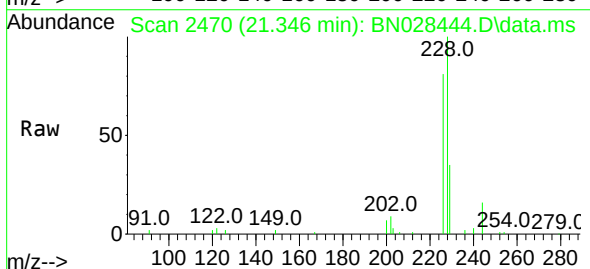
Manual Integrations
APPROVED

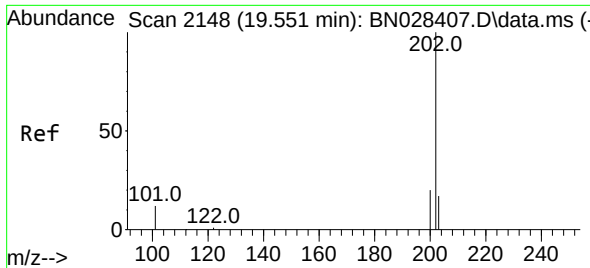
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.346 min Scan# 2470
Delta R.T. 0.019 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

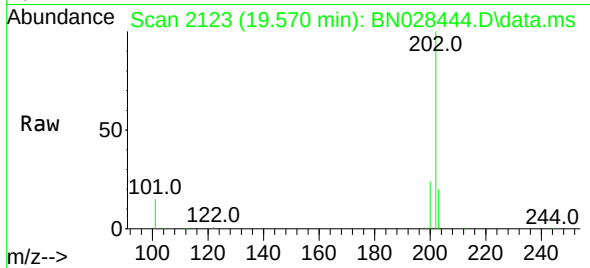
Tgt Ion:240 Resp: 16122
Ion Ratio Lower Upper
240 100
120 50.8 9.8 14.6#
236 61.3 22.2 33.2#





#30
 Pyrene
 Concen: 221.840 ng
 RT: 19.570 min Scan# 2148
 Delta R.T. 0.019 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20

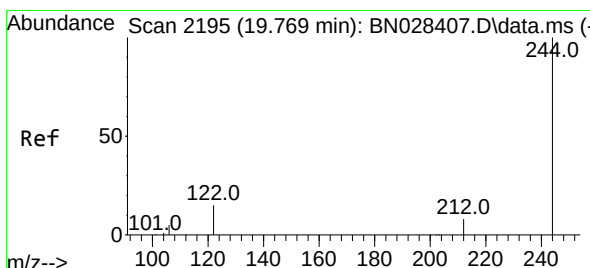
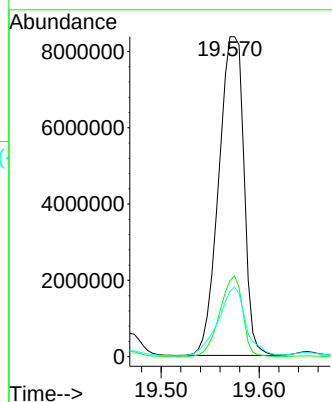
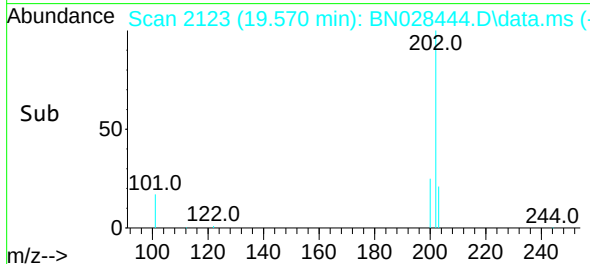
Instrument :
 BNA_N
 ClientSampleId :
 Z-5(0-5)



Tgt Ion:202 Resp:1491764
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.6 25.0
 203 23.6 14.2 21.2

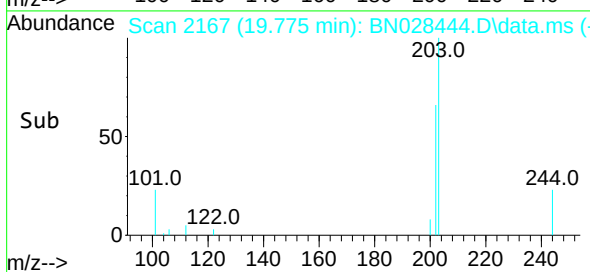
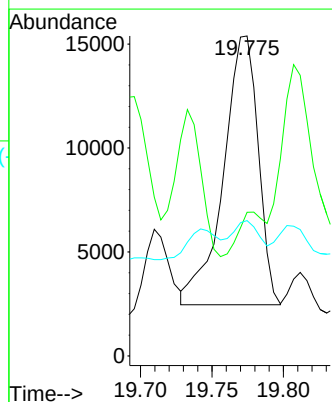
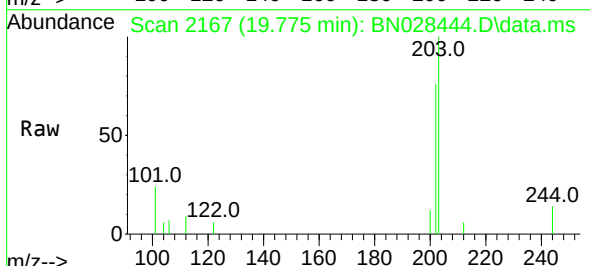
Manual Integrations
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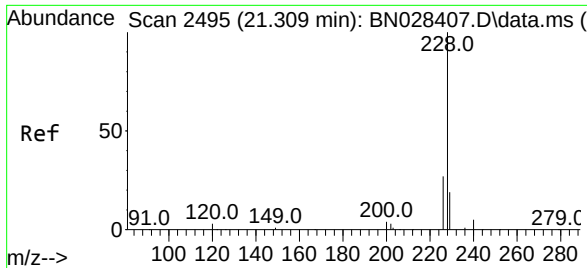
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023



#31
 Terphenyl-d14
 Concen: 0.646 ng m
 RT: 19.775 min Scan# 2167
 Delta R.T. 0.005 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20

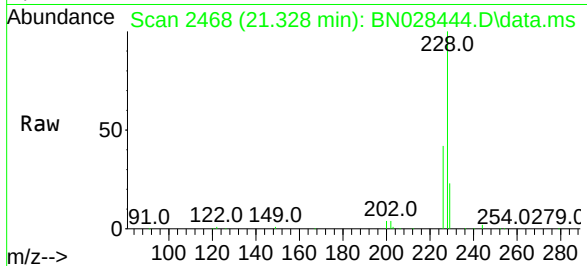
Tgt Ion:244 Resp: 21948
 Ion Ratio Lower Upper
 244 100
 212 44.9 6.6 10.0#
 122 42.3 12.6 19.0#





#32
Benzo(a)anthracene
Concen: 114.689 ng m
RT: 21.328 min Scan# 2474
Delta R.T. 0.019 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

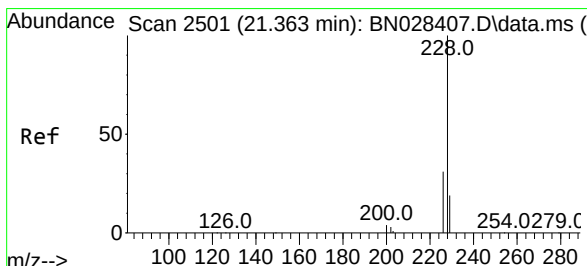
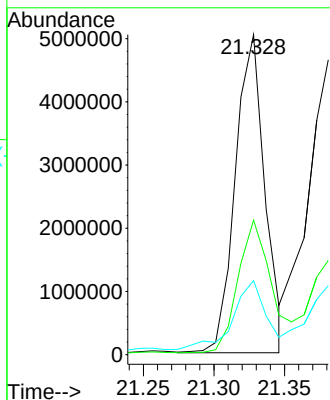
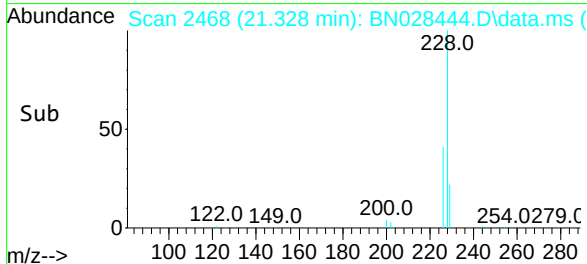
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



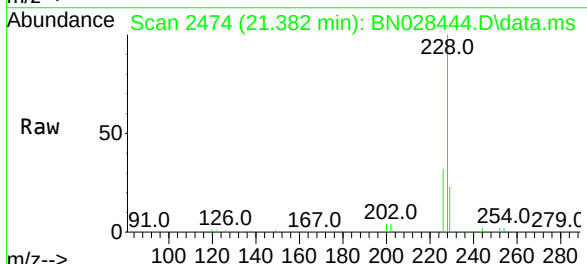
Tgt Ion:228 Resp: 733774
Ion Ratio Lower Upper
228 100
226 42.1 21.8 32.8
229 23.2 15.5 23.3

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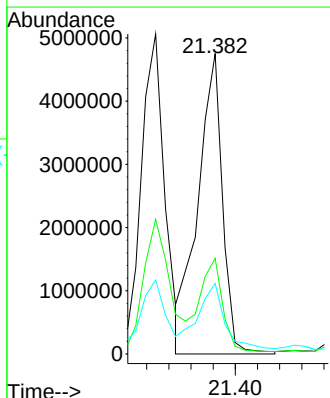
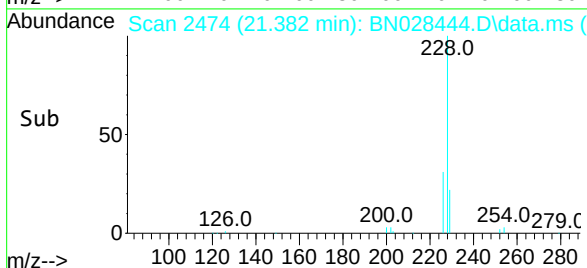
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

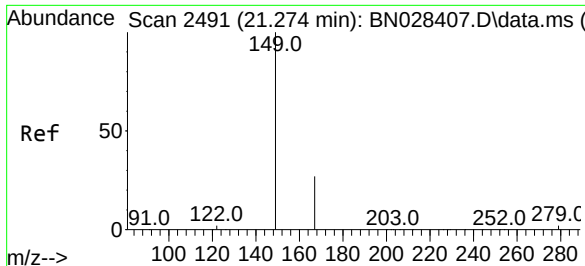


#33
Chrysene
Concen: 115.429 ng m
RT: 21.382 min Scan# 2474
Delta R.T. 0.019 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20



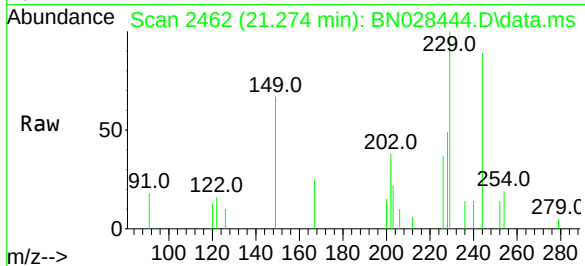
Tgt Ion:228 Resp: 7356490
Ion Ratio Lower Upper
228 100
226 31.9 24.6 36.8
229 23.4 15.7 23.5





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.588 ng m
 RT: 21.274 min Scan# 2491
 Delta R.T. 0.000 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20

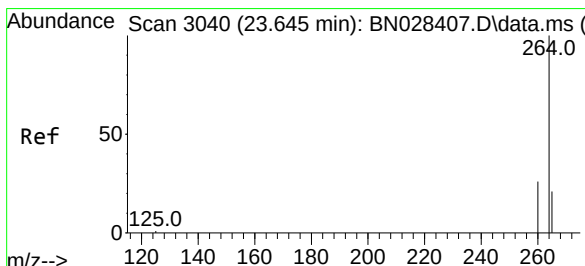
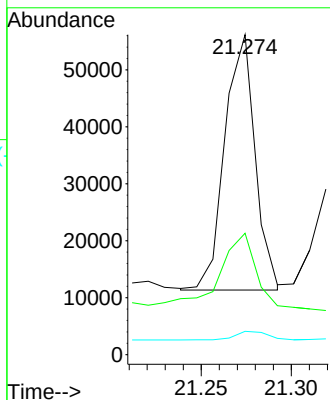
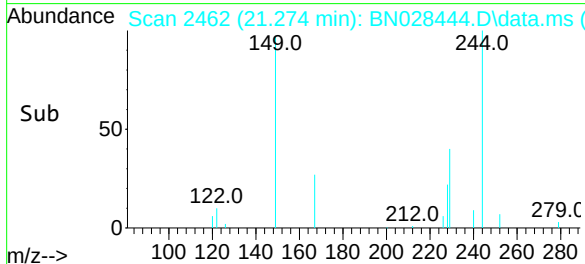
Instrument :
 BNA_N
 ClientSampleId :
 Z-5(0-5)



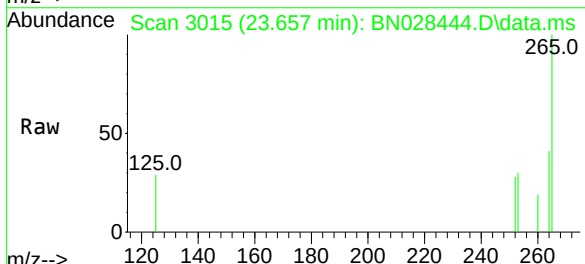
Tgt Ion:149 Resp: 5251
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.4 32.0#
 279 7.0 2.3 3.5#

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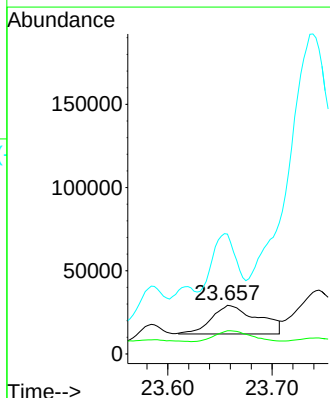
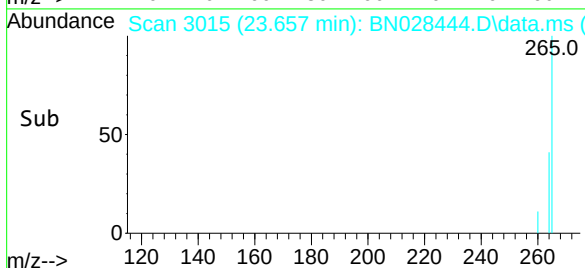
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

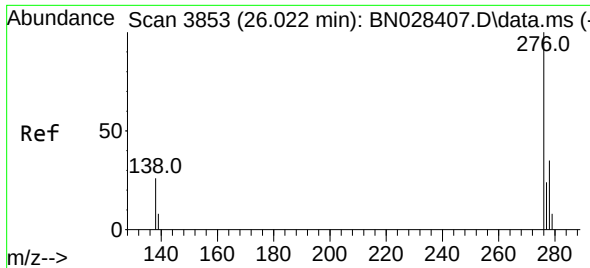


#35
 Perylene-d12
 Concen: 0.400 ng m
 RT: 23.657 min Scan# 3015
 Delta R.T. 0.012 min
 Lab File: BN028444.D
 Acq: 03 Nov 2023 05:20



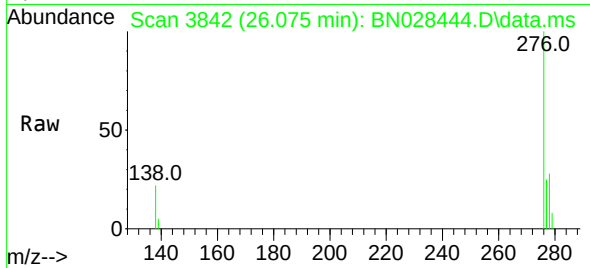
Tgt Ion:264 Resp: 53418
 Ion Ratio Lower Upper
 264 100
 260 47.7 20.8 31.2#
 265 246.3 21.7 32.5#





#36
Indeno(1,2,3-cd)pyrene
Concen: 19.666 ng m
RT: 26.075 min Scan# 3853
Delta R.T. 0.053 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

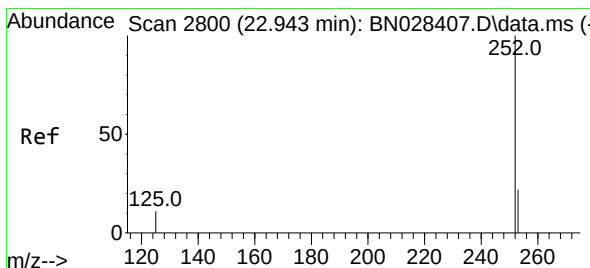
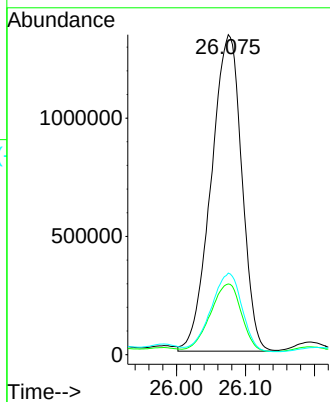
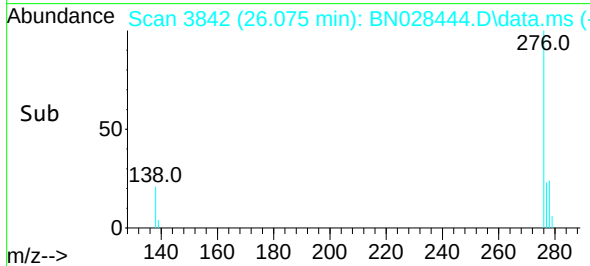
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



Tgt Ion:276 Resp: 4135662
Ion Ratio Lower Upper
276 100
138 1.6 24.1 36.1
277 2.0 19.7 29.5

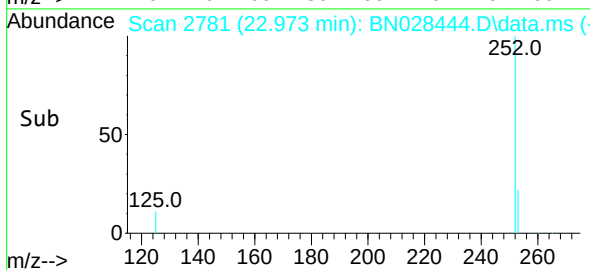
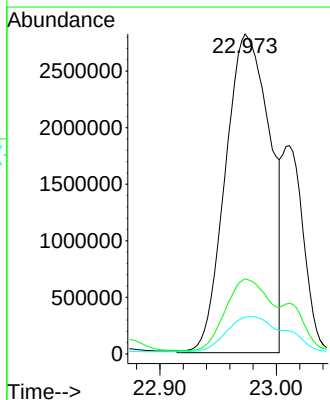
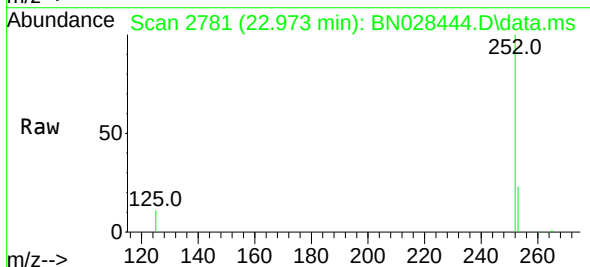
Manual Integrations
APPROVED

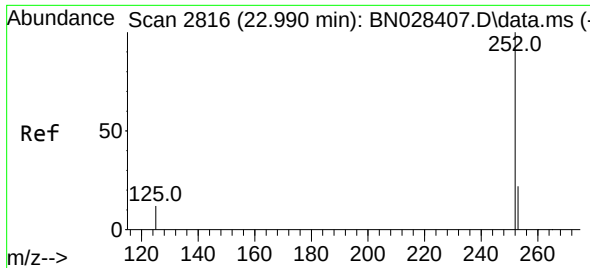
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#37
Benzo(b)fluoranthene
Concen: 36.004 ng m
RT: 22.973 min Scan# 2781
Delta R.T. 0.030 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

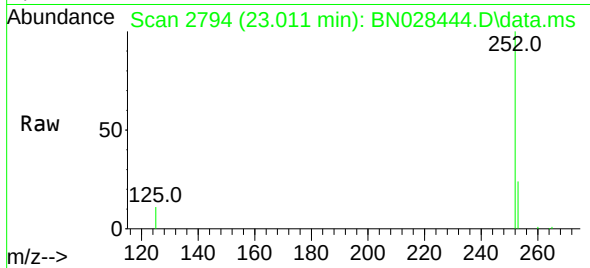
Tgt Ion:252 Resp: 7482682
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 11.5 10.0 15.0





#38
Benzo(k)fluoranthene
Concen: 11.547 ng m
RT: 23.011 min Scan# 21
Delta R.T. 0.021 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

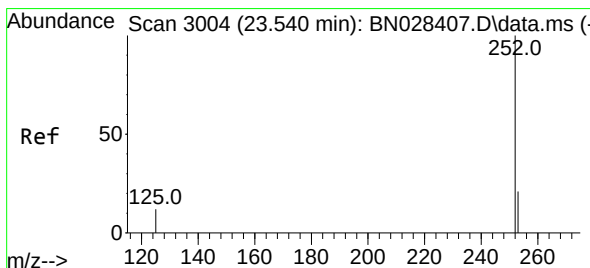
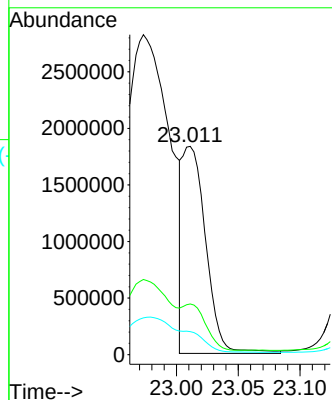
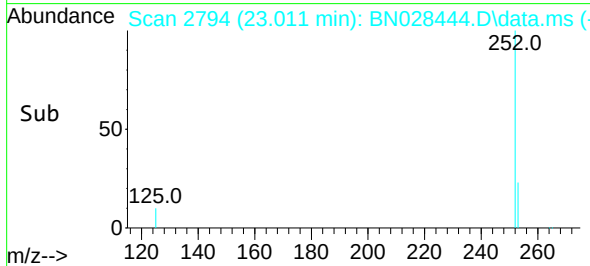
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



Tgt Ion:252 Resp: 2415014
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 11.1 10.2 15.2

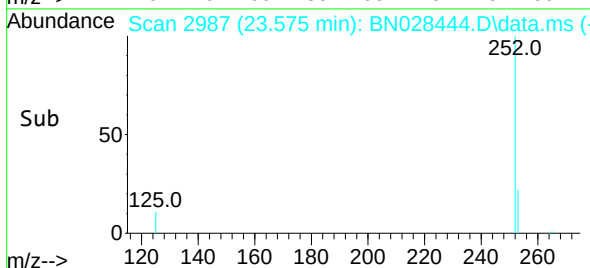
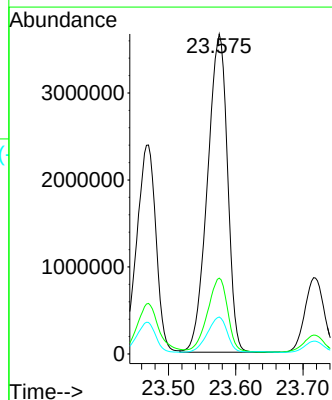
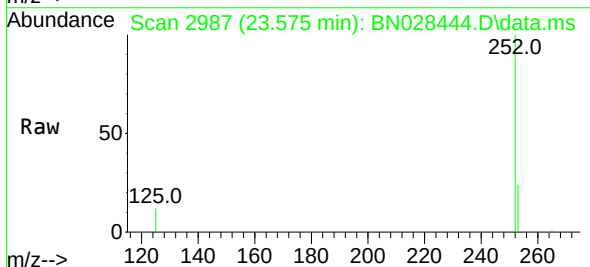
Manual Integrations
APPROVED

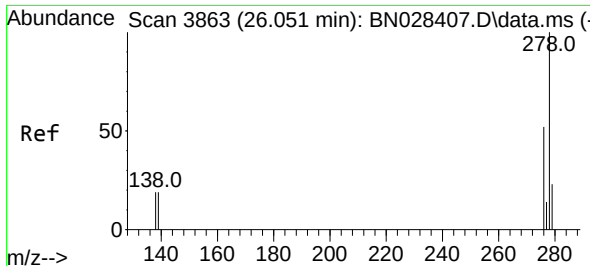
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#39
Benzo(a)pyrene
Concen: 41.578 ng
RT: 23.575 min Scan# 2987
Delta R.T. 0.036 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

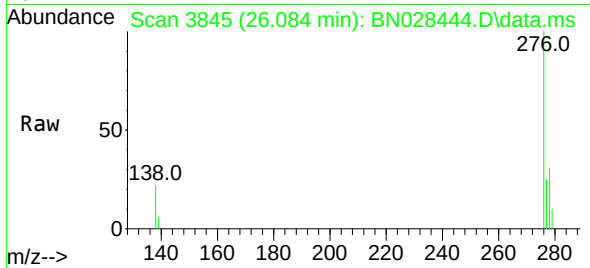
Tgt Ion:252 Resp: 7562677
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 11.5 11.0 16.6





#40
Dibenzo(a,h)anthracene
Concen: 7.440 ng m
RT: 26.084 min Scan# 31
Delta R.T. 0.033 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

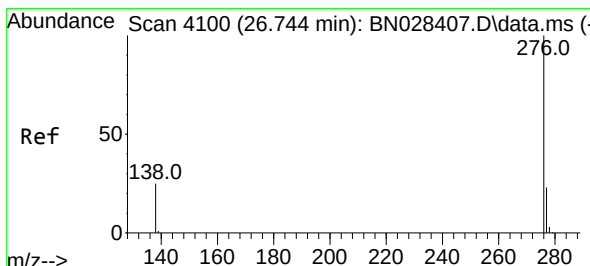
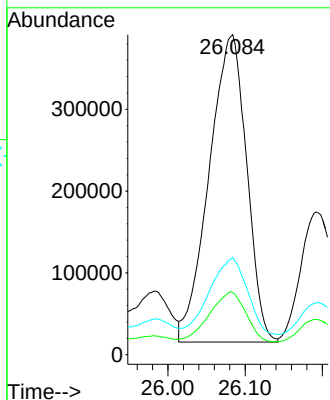
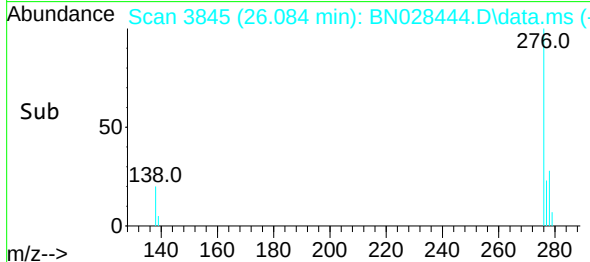
Instrument :
BNA_N
ClientSampleId :
Z-5(0-5)



Tgt Ion:278 Resp: 127086
Ion Ratio Lower Upper
278 100
139 19.4 15.8 23.8
279 30.4 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: 24.457 ng
RT: 26.821 min Scan# 4097
Delta R.T. 0.077 min
Lab File: BN028444.D
Acq: 03 Nov 2023 05:20

Tgt Ion:276 Resp: 4473941
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 22.3 21.1 31.7

