

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
 Data File : BN028445.D
 Acq On : 03 Nov 2023 05:56
 Operator : MA/JU
 Sample : 05220-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Z-6(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:35:15 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	11859	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	37953	0.400	ng	# 0.00
13) Acenaphthene-d10	14.374	164	22344	0.400	ng	0.01
19) Phenanthrene-d10	17.121	188	38185	0.400	ng	# 0.00
29) Chrysene-d12	21.346	240	25826	0.400	ng	# 0.02
35) Perylene-d12	23.669	264	39210	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	8021	0.259	ng	0.01
5) Phenol-d6	6.901	99	10192	0.260	ng	0.01
8) Nitrobenzene-d5	8.886	82	6678	0.272	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	13623	0.251	ng	0.00
14) 2,4,6-Tribromophenol	15.867	330	2504	0.287	ng	0.01
15) 2-Fluorobiphenyl	13.005	172	9100	0.343	ng	0.00
27) Fluoranthene-d10	19.171	212	16086	0.170	ng	0.01
31) Terphenyl-d14	19.775	244	20740	0.381	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.573	128	745239	7.275	ng	100
12) 2-Methylnaphthalene	12.193	142	140723	1.971	ng	99
16) Acenaphthylene	14.096	152	945647	8.569	ng	100
17) Acenaphthene	14.438	154	154497	2.208	ng	98
18) Fluorene	15.422	166	505139	5.305	ng	99
25) Phenanthrene	17.170	178	6503503	57.656	ng	99
26) Anthracene	17.257	178	2304423	21.395	ng	98
28) Fluoranthene	19.208	202	10172688	77.263	ng	97
30) Pyrene	19.570	202	9280271	86.151	ng	# 91
32) Benzo(a)anthracene	21.328	228	6237220	60.857	ng	93
33) Chrysene	21.382	228	5008708	49.061	ng	97
36) Indeno(1,2,3-cd)pyrene	26.084	276	4453081	28.826	ng	# 91
37) Benzo(b)fluoranthene	22.976	252	7647180	50.102	ng	97
38) Benzo(k)fluoranthene	23.017	252	2570099m	16.741	ng	
39) Benzo(a)pyrene	23.578	252	5951372	44.576	ng	96
40) Dibenzo(a,h)anthracene	26.090	278	1129198	9.006	ng	96
41) Benzo(g,h,i)perylene	26.824	276	4481961	33.379	ng	95

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

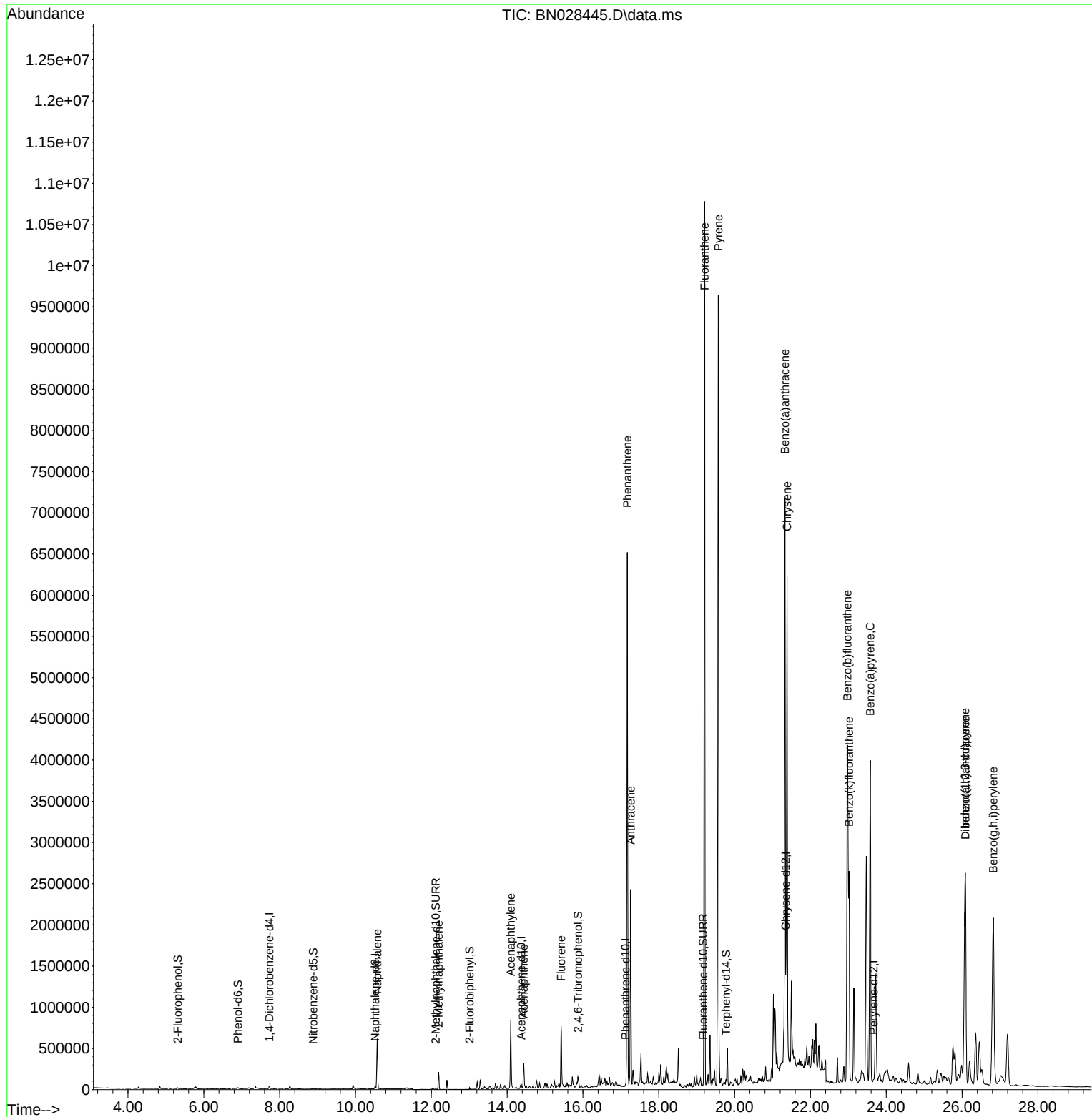
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
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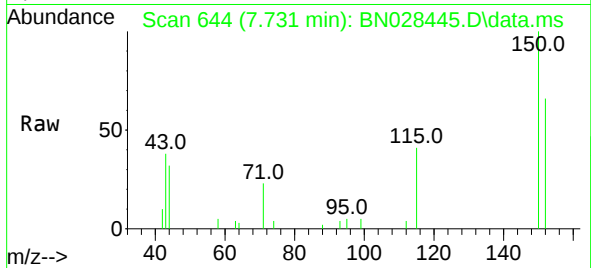
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.731 min Scan# 644
Delta R.T. 0.004 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

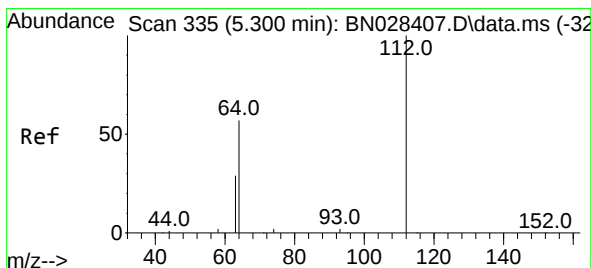
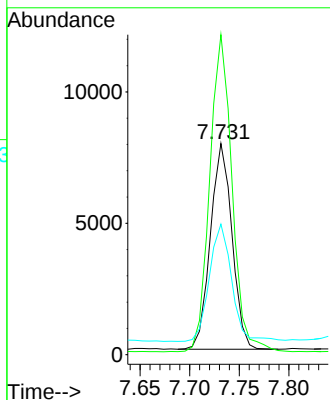
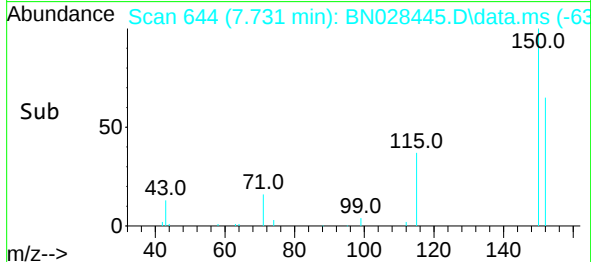
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



Tgt Ion:152 Resp: 1185
Ion Ratio Lower Upper
152 100
150 151.5 123.8 185.6
115 61.8 47.0 70.6

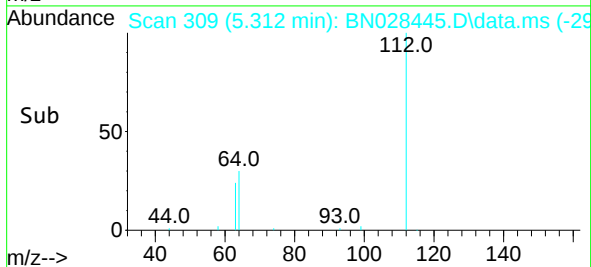
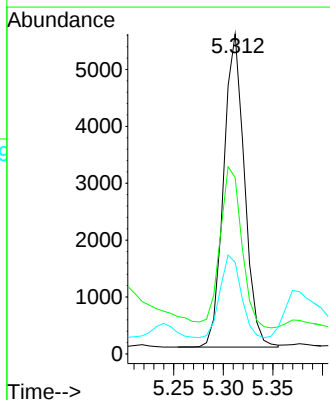
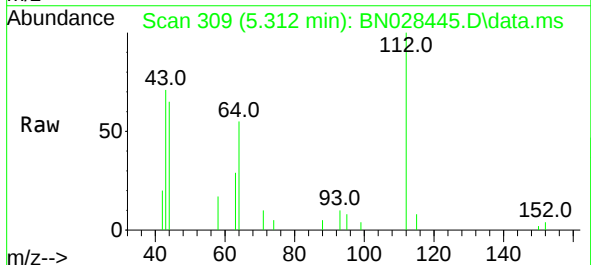
Manual Integrations
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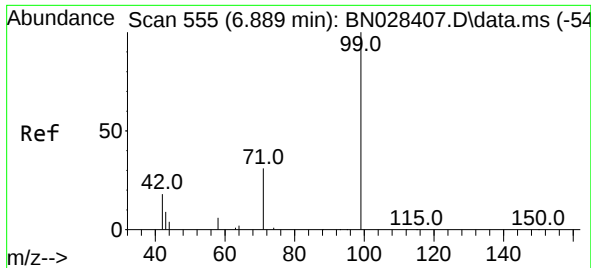
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.012 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

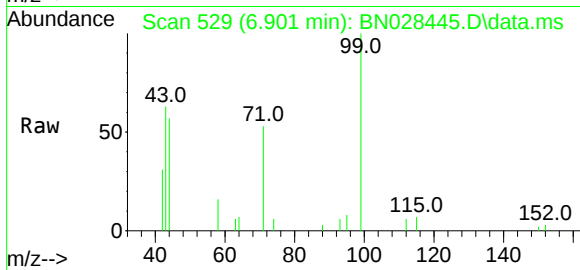
Tgt Ion:112 Resp: 8021
Ion Ratio Lower Upper
112 100
64 53.7 44.3 66.5
63 26.7 22.6 33.8





#5
Phenol-d6
Concen: 0.260 ng
RT: 6.901 min Scan# 51
Delta R.T. 0.012 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

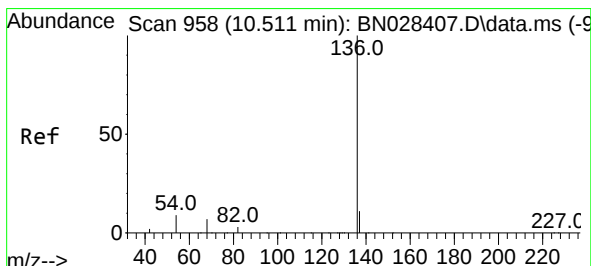
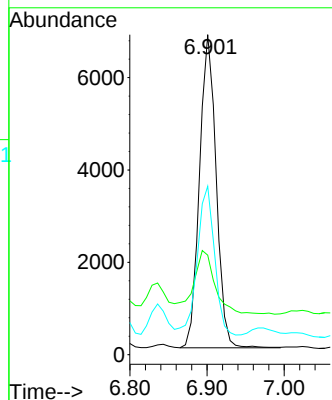
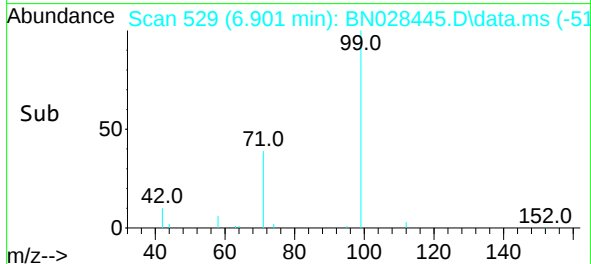
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



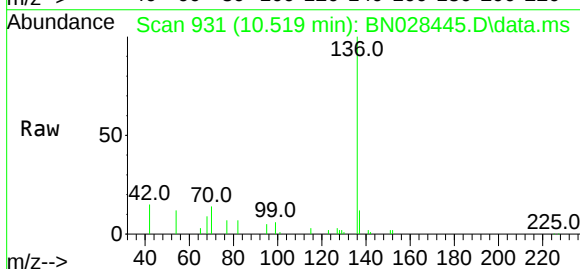
Tgt Ion: 99 Resp: 10192
Ion Ratio Lower Upper
99 100
42 26.6 15.4 23.0
71 49.2 24.4 36.6

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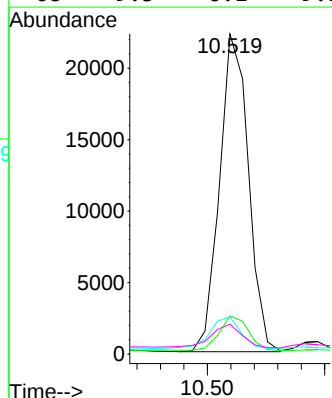
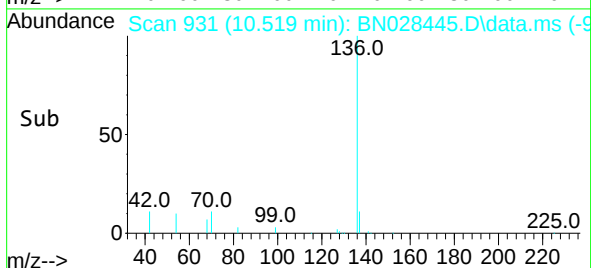
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

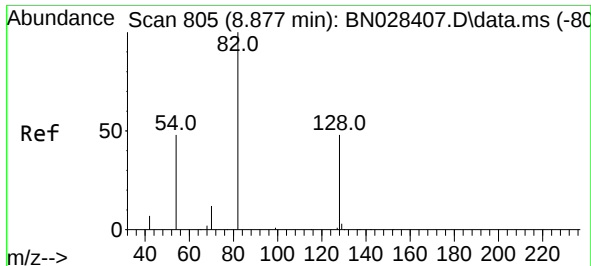


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. 0.008 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



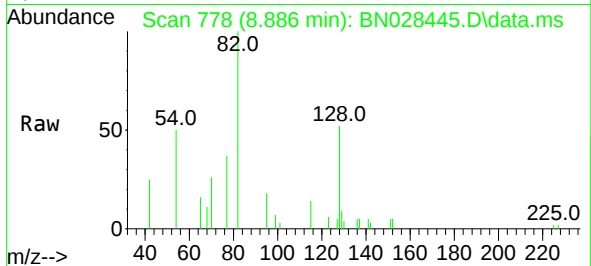
Tgt Ion:136 Resp: 37953
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 11.6 7.9 11.9
68 9.3 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.272 ng
RT: 8.886 min Scan# 71
Delta R.T. 0.008 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

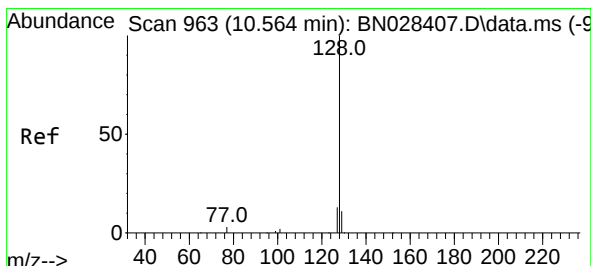
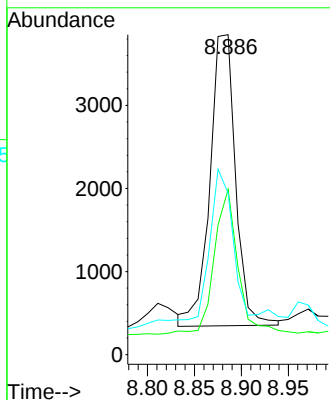
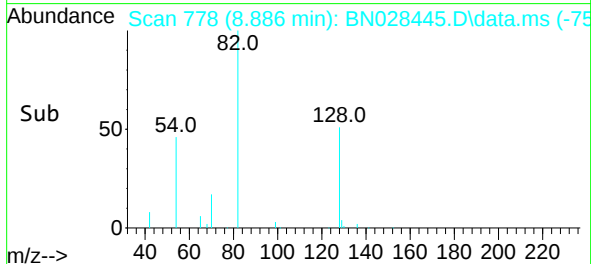
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



Tgt Ion: 82 Resp: 6678
Ion Ratio Lower Upper
82 100
128 51.6 38.8 58.2
54 50.4 40.3 60.5

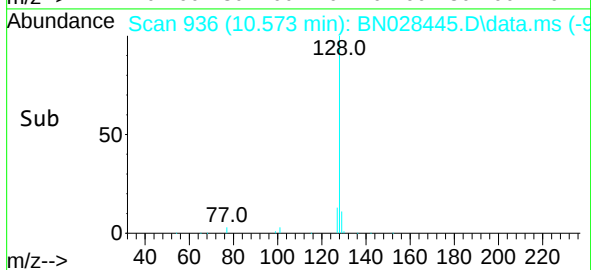
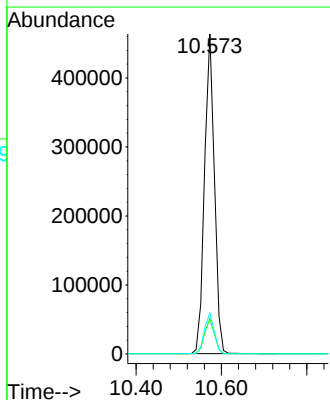
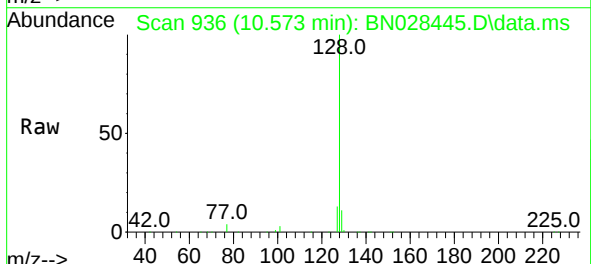
Manual Integrations
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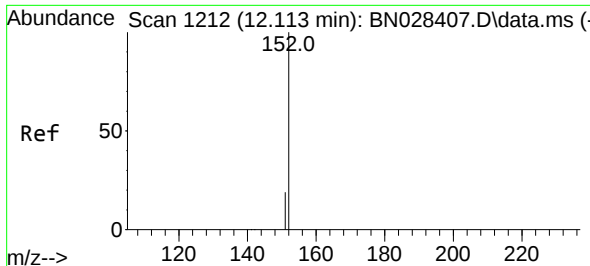
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#9
Naphthalene
Concen: 7.275 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.008 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

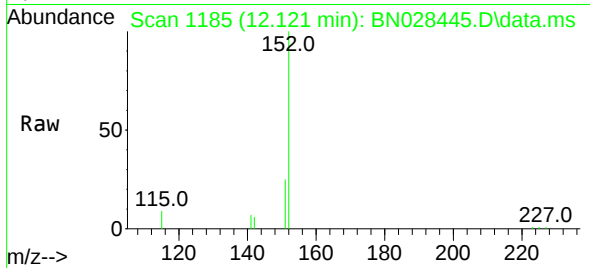
Tgt Ion:128 Resp: 745239
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.8 10.4 15.6





#11
2-Methylnaphthalene-d10
Concen: 0.251 ng
RT: 12.121 min Scan# 1185
Delta R.T. 0.008 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

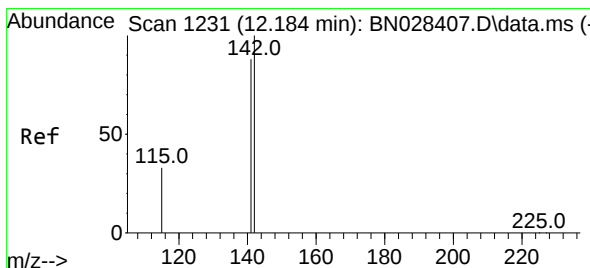
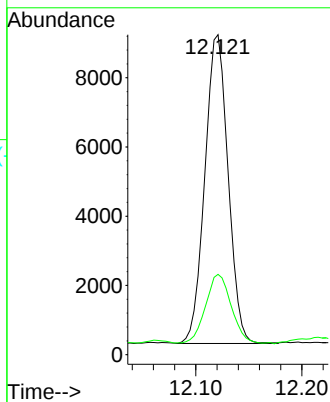
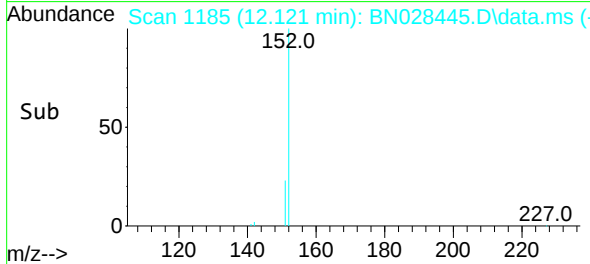
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



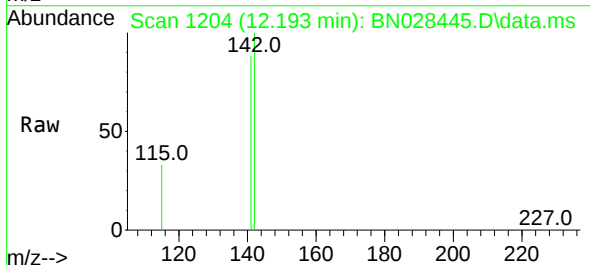
Tgt Ion:152 Resp: 1362
Ion Ratio Lower Upper
152 100
151 24.5 16.4 24.6

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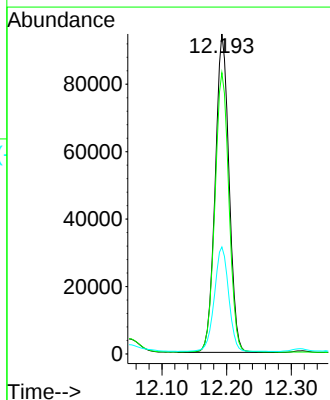
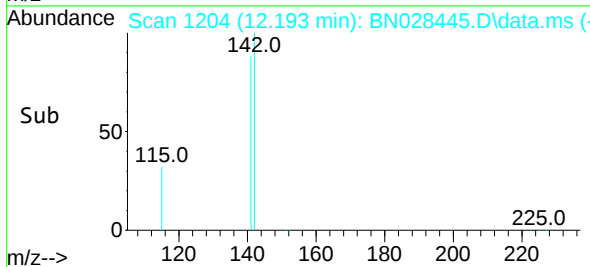
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

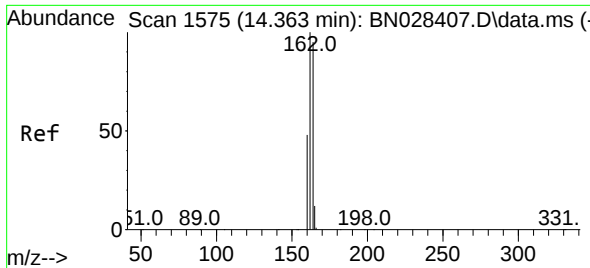


#12
2-Methylnaphthalene
Concen: 1.971 ng
RT: 12.193 min Scan# 1204
Delta R.T. 0.008 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



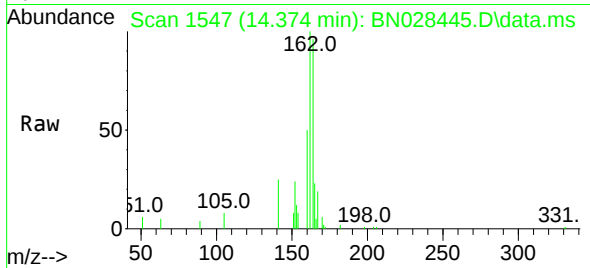
Tgt Ion:142 Resp: 140723
Ion Ratio Lower Upper
142 100
141 87.9 70.7 106.1
115 33.5 27.6 41.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.374 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

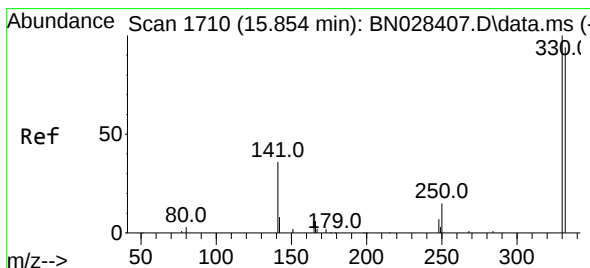
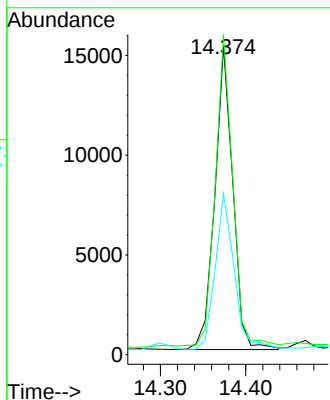
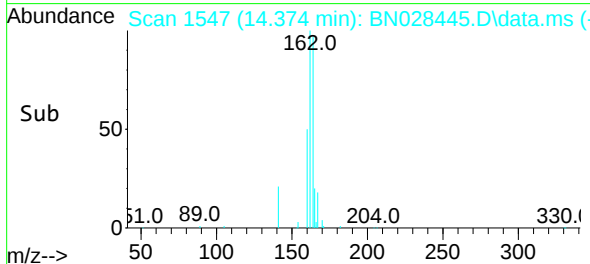
Instrument :
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ClientSampleId :
Z-6(5-10)



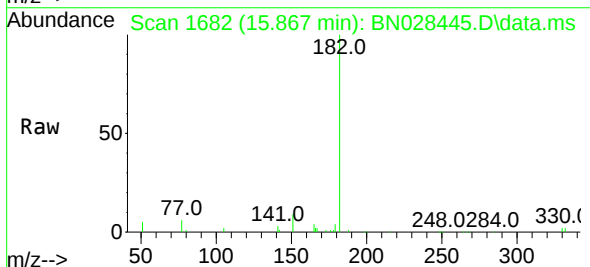
Tgt Ion:164 Resp: 22344
Ion Ratio Lower Upper
164 100
162 103.8 84.6 127.0
160 52.3 41.3 61.9

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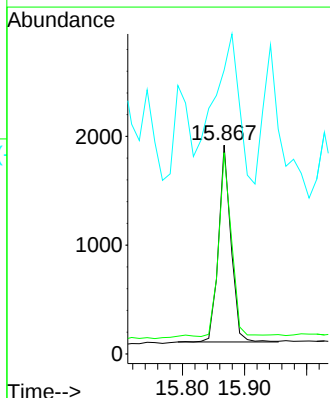
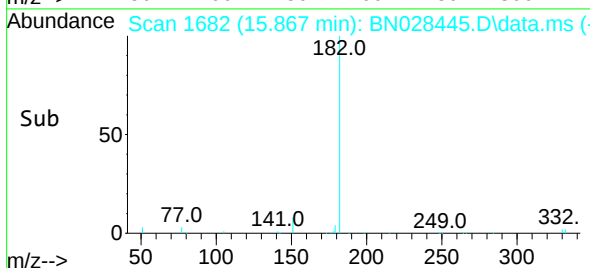
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

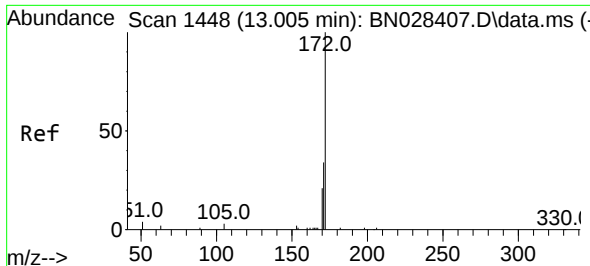


#14
2,4,6-Tribromophenol
Concen: 0.287 ng
RT: 15.867 min Scan# 1682
Delta R.T. 0.013 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



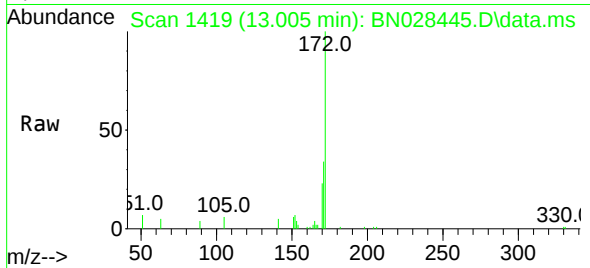
Tgt Ion:330 Resp: 2504
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.2
141 153.2 32.8 49.2#





#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 13.005 min Scan# 1448
Delta R.T. 0.001 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

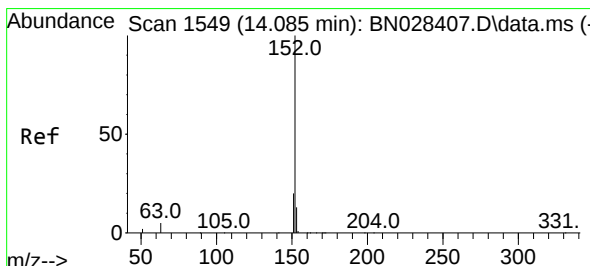
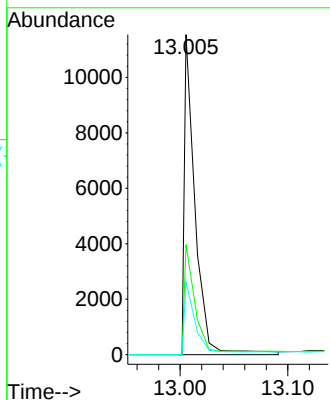
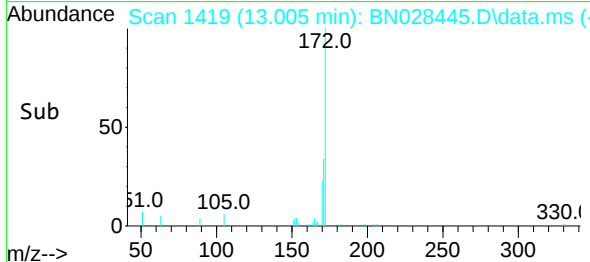
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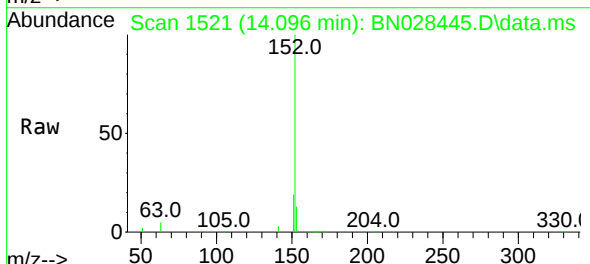
Tgt Ion:172 Resp: 9100
Ion Ratio Lower Upper
172 100
171 34.3 27.2 40.8
170 22.7 17.1 25.7

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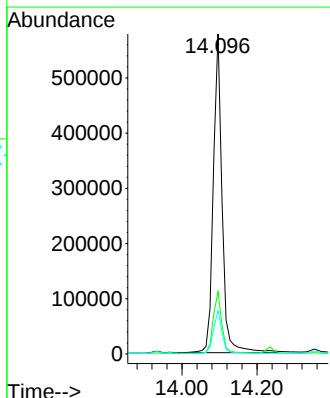
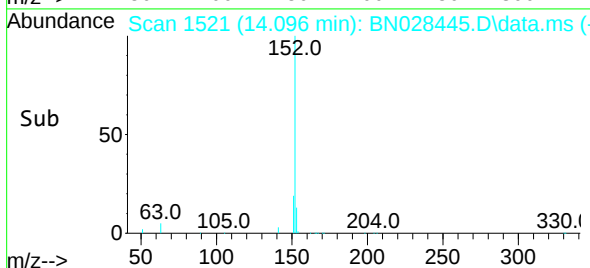
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

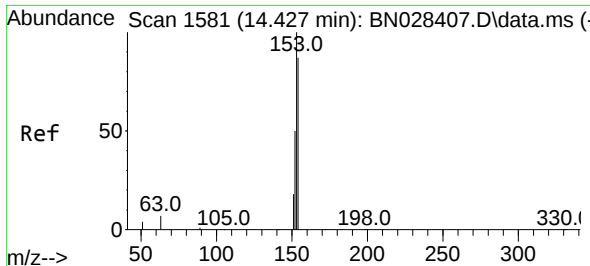


#16
Acenaphthylene
Concen: 8.569 ng
RT: 14.096 min Scan# 1521
Delta R.T. 0.011 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



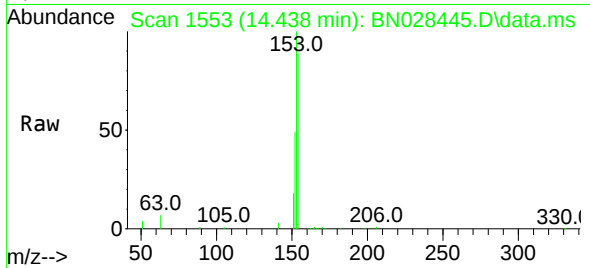
Tgt Ion:152 Resp: 945647
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.0 10.5 15.7





#17
Acenaphthene
Concen: 2.208 ng
RT: 14.438 min Scan# 1549
Delta R.T. 0.011 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

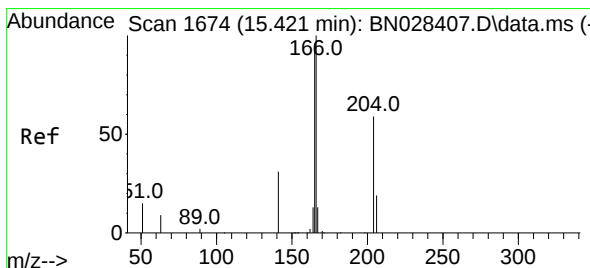
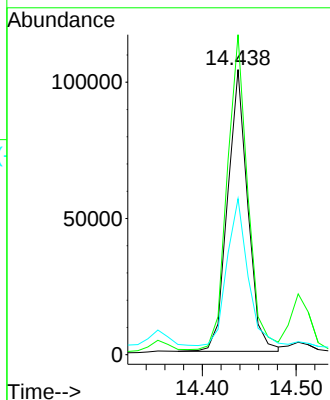
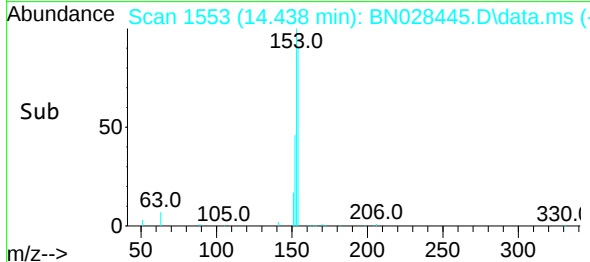
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Z-6(5-10)



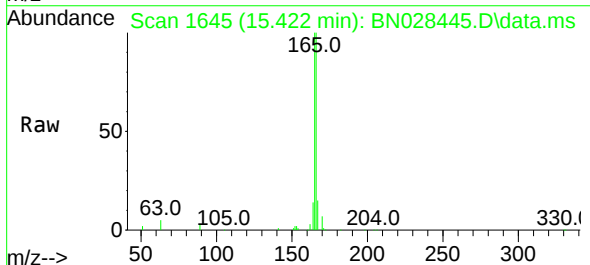
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Ion Ratio Lower Upper
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153 114.0 90.5 135.7
152 54.2 45.8 68.6

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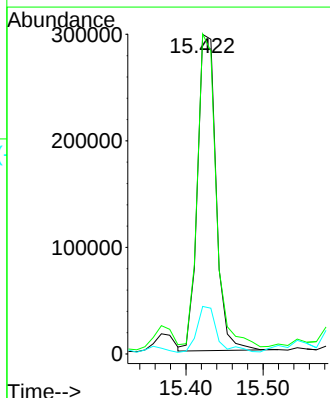
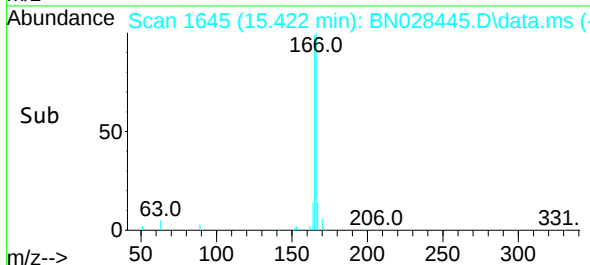
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

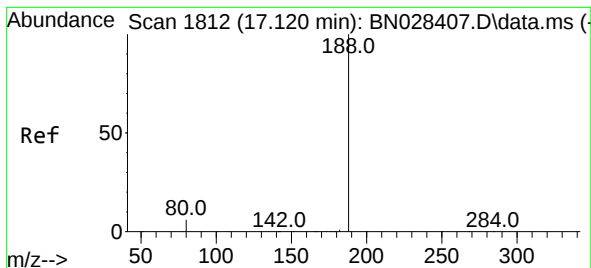


#18
Fluorene
Concen: 5.305 ng
RT: 15.422 min Scan# 1645
Delta R.T. 0.001 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



Tgt Ion:166 Resp: 505139
Ion Ratio Lower Upper
166 100
165 98.2 79.2 118.8
167 15.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.121 min Scan# 1812

Delta R.T. 0.001 min

Lab File: BN028445.D

Acq: 03 Nov 2023 05:56

Instrument :

BNA_N

ClientSampleId :

Z-6(5-10)

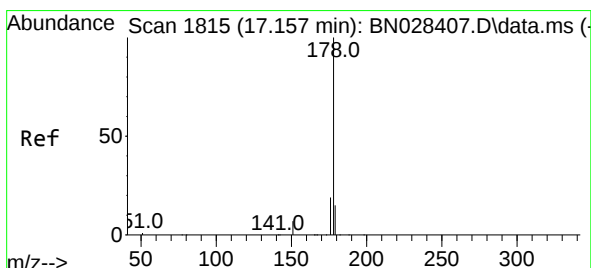
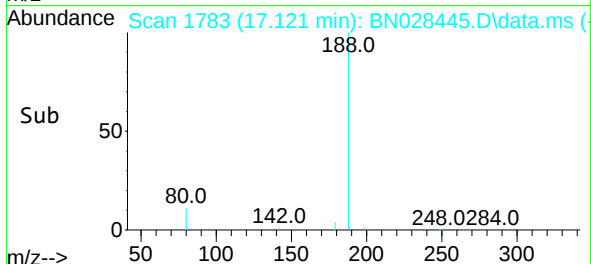
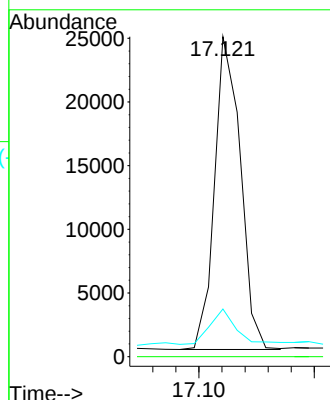
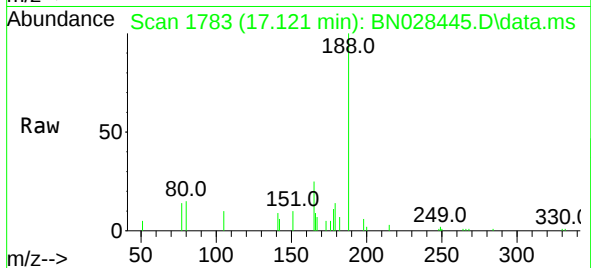
Tgt Ion:188	Resp: 3818
Ion Ratio	Lower Upper
188 100	
94 0.0	0.0 0.0
80 14.9	5.3 7.9

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#25

Phenanthrene

Concen: 57.656 ng

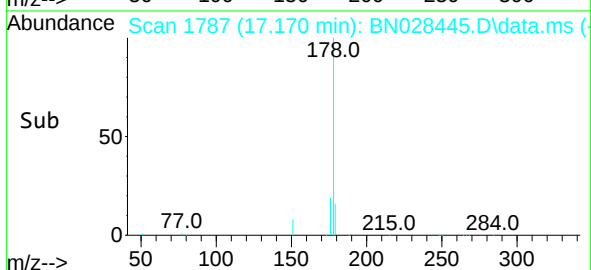
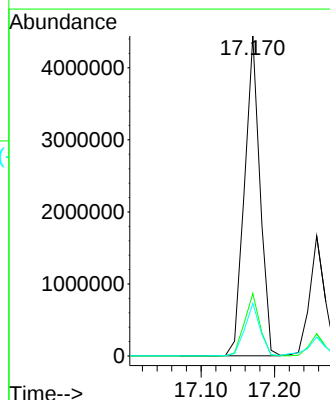
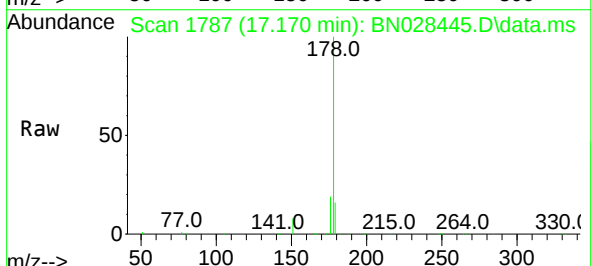
RT: 17.170 min Scan# 1787

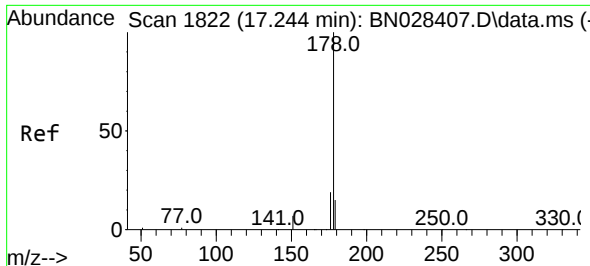
Delta R.T. 0.013 min

Lab File: BN028445.D

Acq: 03 Nov 2023 05:56

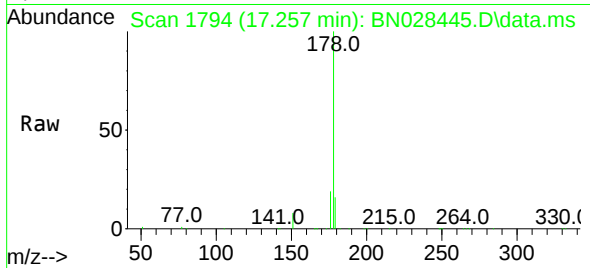
Tgt Ion:178	Resp: 6503503
Ion Ratio	Lower Upper
178 100	
176 19.2	15.2 22.8
179 16.2	12.2 18.2





#26
 Anthracene
 Concen: 21.395 ng
 RT: 17.257 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: BN028445.D
 Acq: 03 Nov 2023 05:56

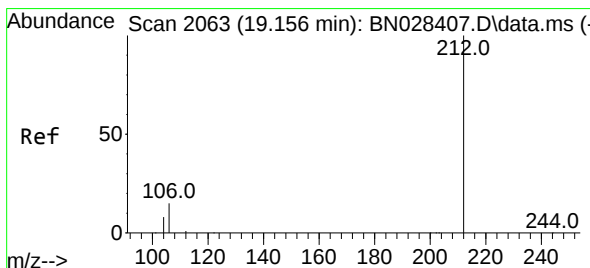
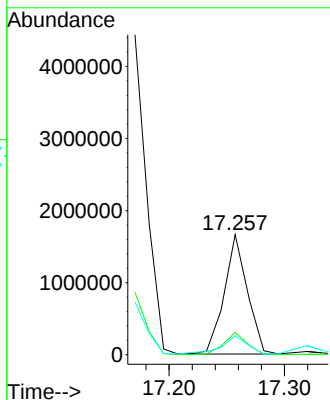
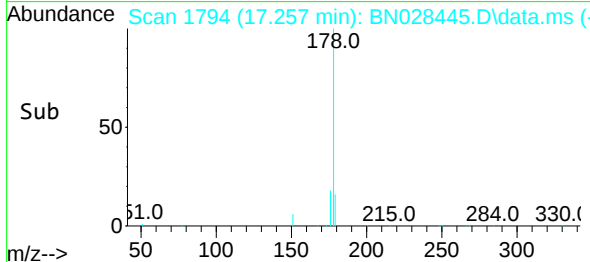
Instrument :
 BNA_N
 ClientSampleId :
 Z-6(5-10)



Tgt Ion:178 Resp: 230442
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 16.8 12.2 18.4

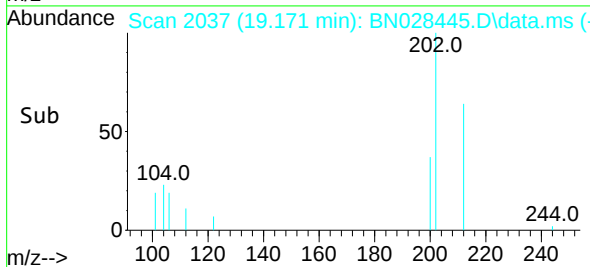
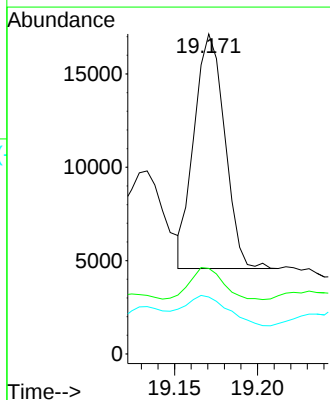
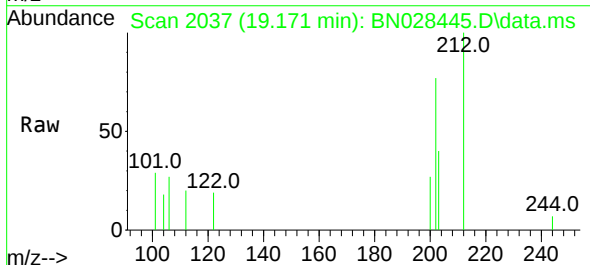
Manual Integrations
 APPROVED

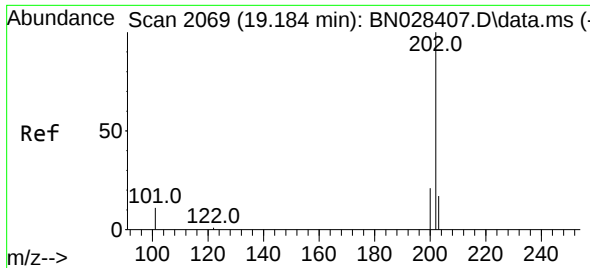
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023



#27
 Fluoranthene-d10
 Concen: 0.170 ng
 RT: 19.171 min Scan# 2037
 Delta R.T. 0.015 min
 Lab File: BN028445.D
 Acq: 03 Nov 2023 05:56

Tgt Ion:212 Resp: 16086
 Ion Ratio Lower Upper
 212 100
 106 14.6 11.9 17.9
 104 18.3 6.7 10.1#





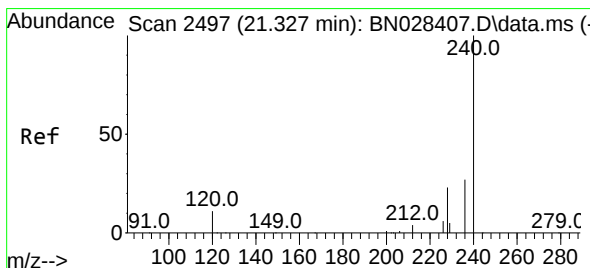
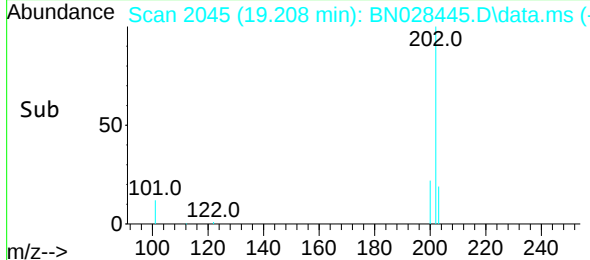
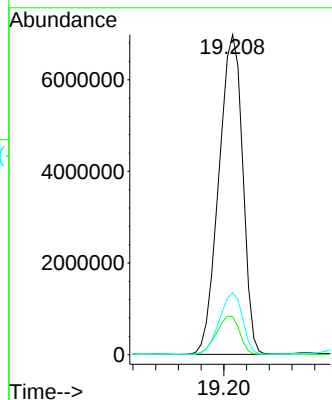
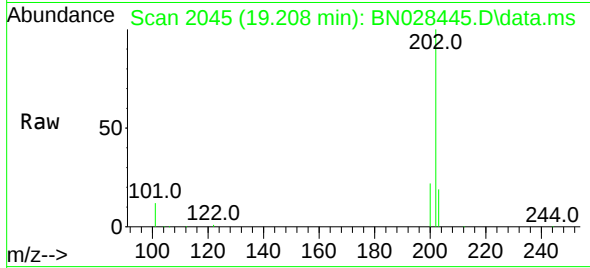
#28
Fluoranthene
Concen: 77.263 ng
RT: 19.208 min Scan# 2069
Delta R.T. 0.024 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)

Tgt Ion:202 Resp:1017268
Ion Ratio Lower Upper
202 100
101 11.8 9.3 13.9
203 18.8 13.7 20.5

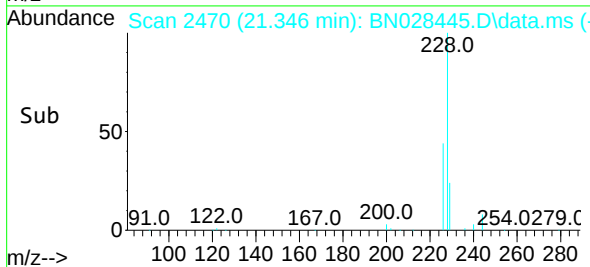
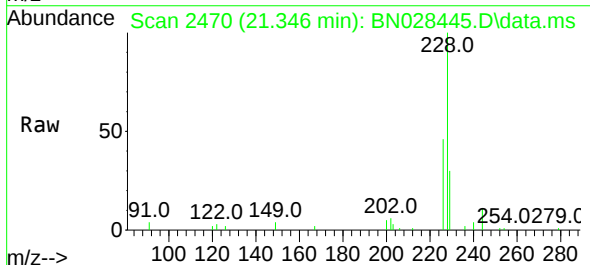
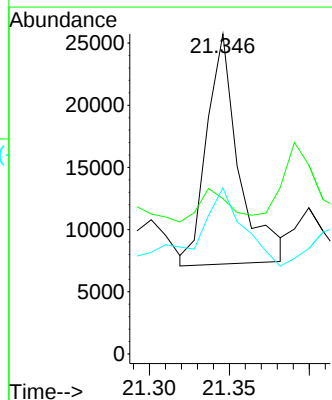
Manual Integrations
APPROVED

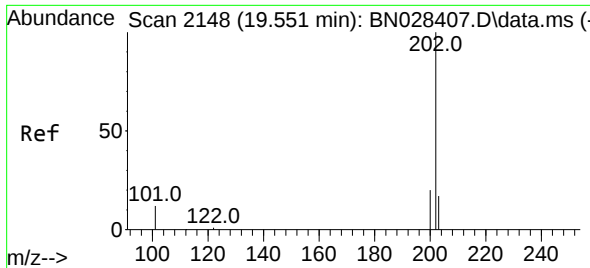
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.346 min Scan# 2470
Delta R.T. 0.019 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

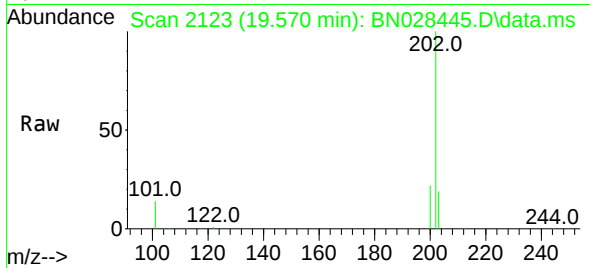
Tgt Ion:240 Resp: 25826
Ion Ratio Lower Upper
240 100
120 48.6 9.8 14.6#
236 51.8 22.2 33.2#





#30
Pyrene
Concen: 86.151 ng
RT: 19.570 min Scan# 2148
Delta R.T. 0.019 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

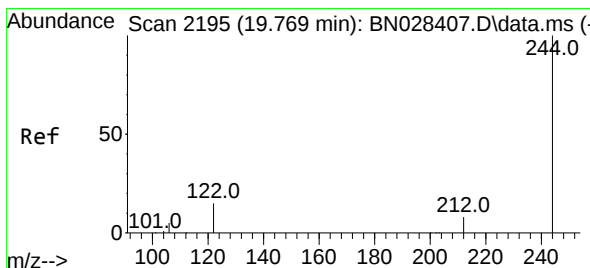
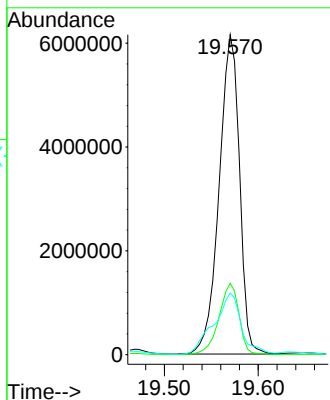
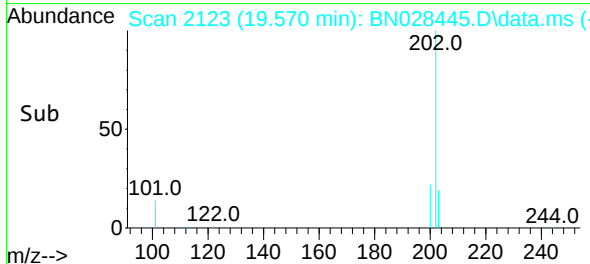
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



Tgt Ion:202 Resp: 928027
Ion Ratio Lower Upper
202 100
200 21.9 16.6 25.0
203 25.4 14.2 21.2

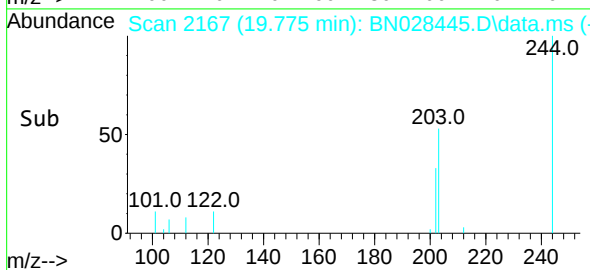
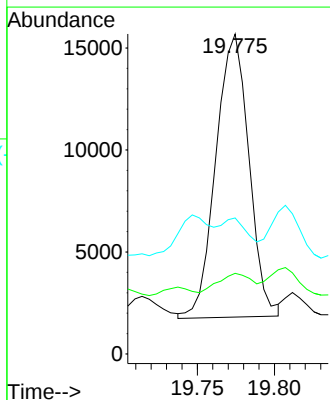
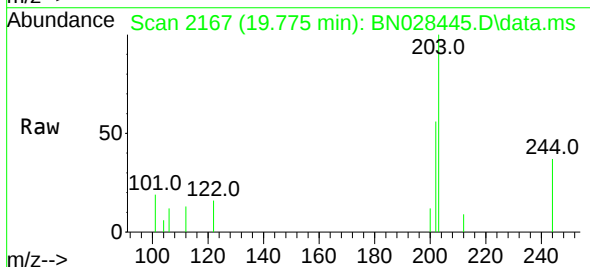
Manual Integrations
APPROVED

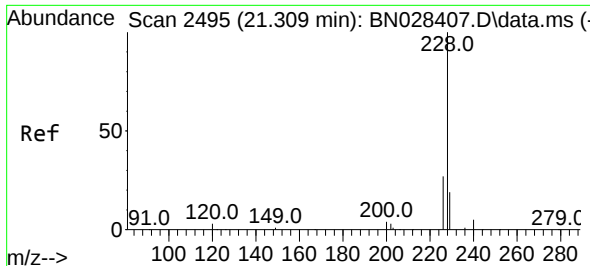
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.775 min Scan# 2167
Delta R.T. 0.005 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

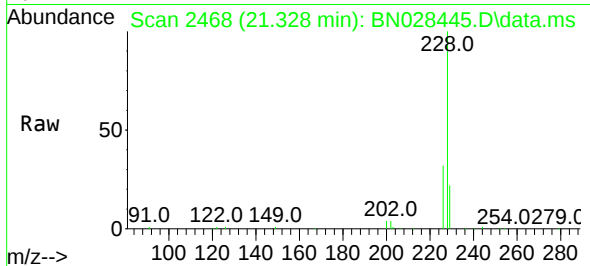
Tgt Ion:244 Resp: 20740
Ion Ratio Lower Upper
244 100
212 25.2 6.6 10.0#
122 42.5 12.6 19.0#





#32
Benzo(a)anthracene
Concen: 60.857 ng
RT: 21.328 min Scan# 2468
Delta R.T. 0.019 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

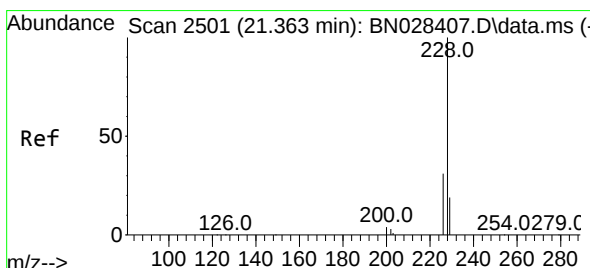
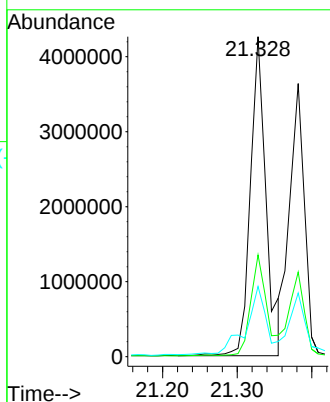
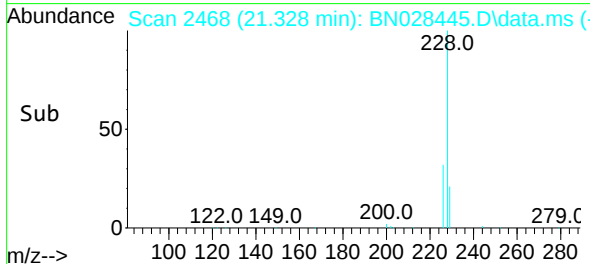
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



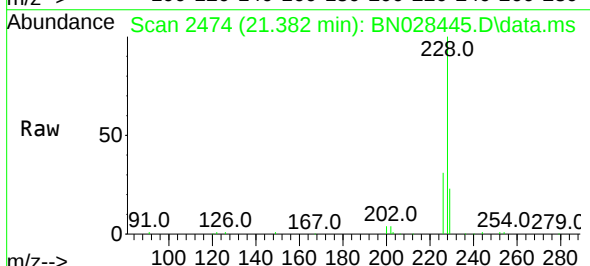
Tgt Ion:228 Resp: 6237220
Ion Ratio Lower Upper
228 100
226 31.8 21.8 32.8
229 21.9 15.5 23.3

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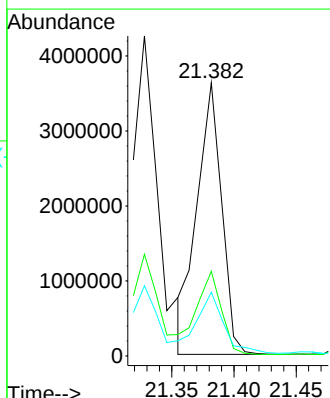
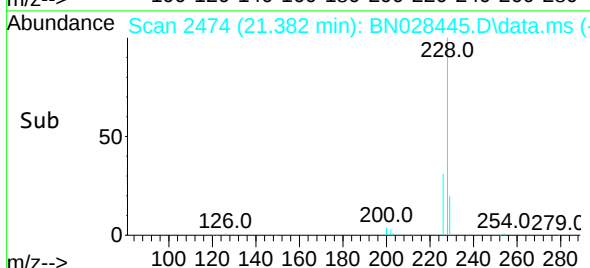
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

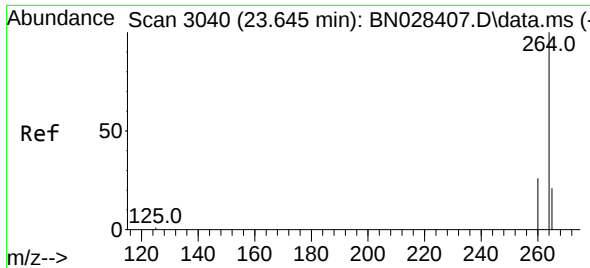


#33
Chrysene
Concen: 49.061 ng
RT: 21.382 min Scan# 2474
Delta R.T. 0.019 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56



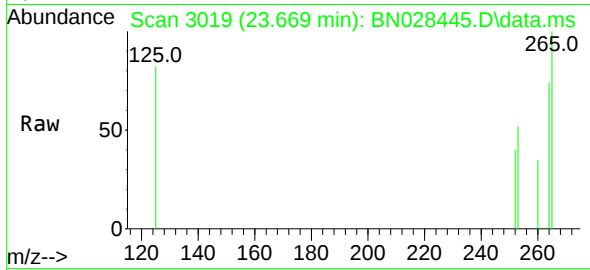
Tgt Ion:228 Resp: 5008708
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 23.3 15.7 23.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.669 min Scan# 3040
 Delta R.T. 0.024 min
 Lab File: BN028445.D
 Acq: 03 Nov 2023 05:56

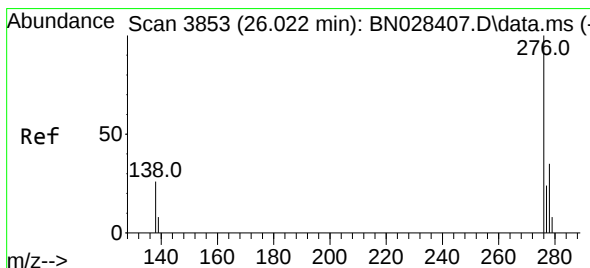
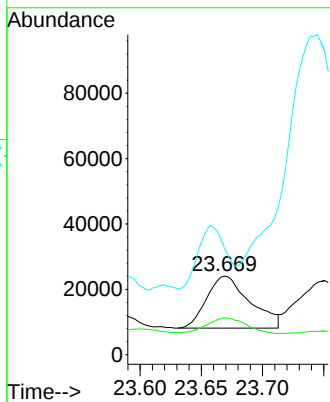
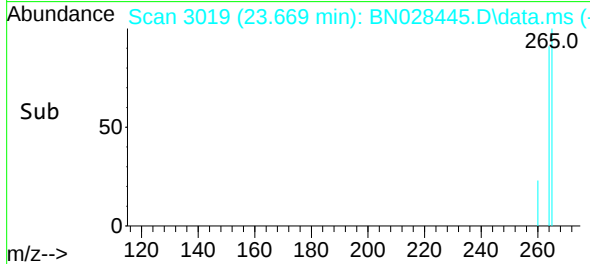
Instrument :
 BNA_N
 ClientSampleId :
 Z-6(5-10)



Tgt Ion:264 Resp: 39210
 Ion Ratio Lower Upper
 264 100
 260 46.8 20.8 31.2
 265 135.6 21.7 32.5

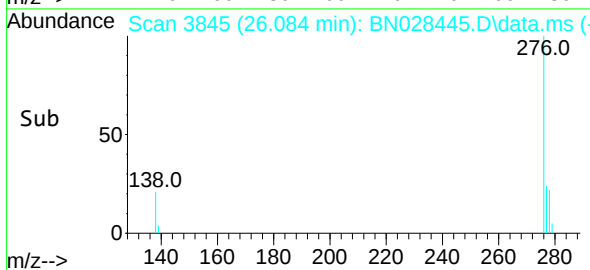
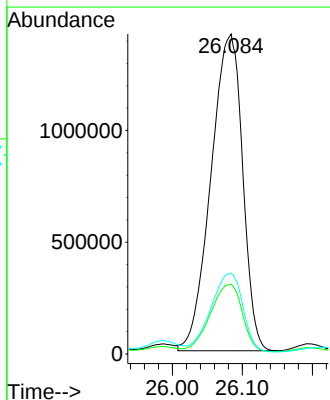
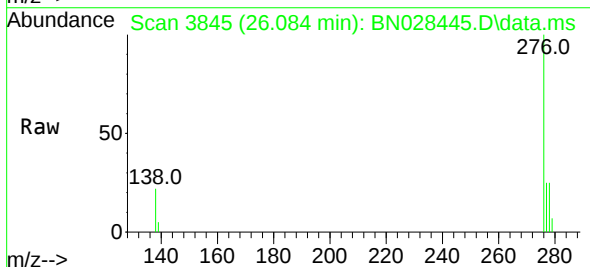
Manual Integrations
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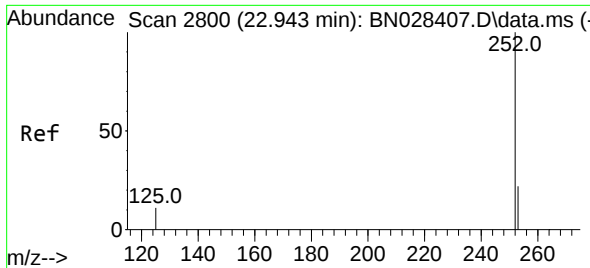
Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 28.826 ng
 RT: 26.084 min Scan# 3845
 Delta R.T. 0.062 min
 Lab File: BN028445.D
 Acq: 03 Nov 2023 05:56

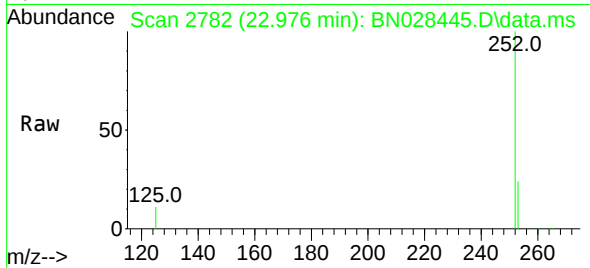
Tgt Ion:276 Resp: 4453081
 Ion Ratio Lower Upper
 276 100
 138 21.5 24.1 36.1
 277 25.1 19.7 29.5





#37
Benzo(b)fluoranthene
Concen: 50.102 ng
RT: 22.976 min Scan# 21
Delta R.T. 0.033 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

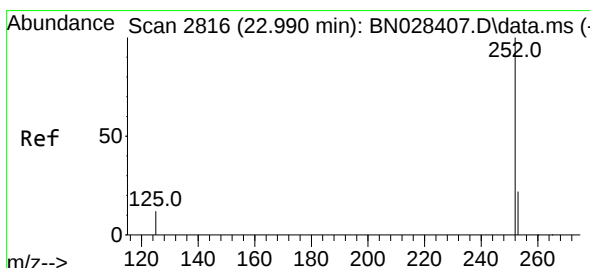
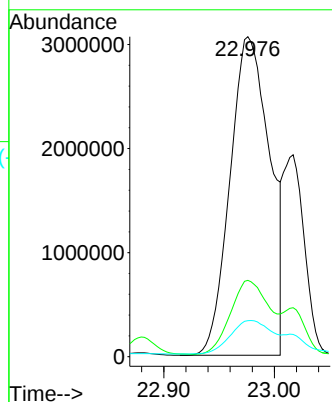
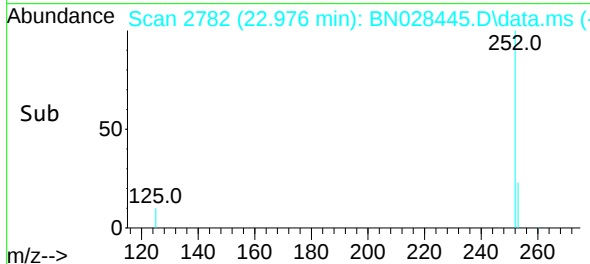
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



Tgt Ion:252 Resp: 7647180
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 11.2 10.0 15.0

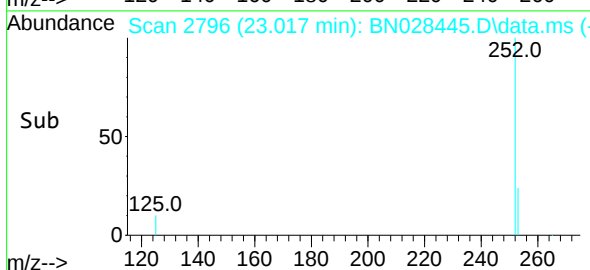
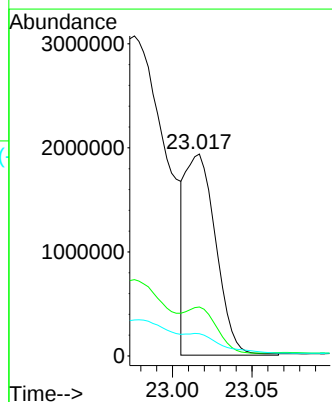
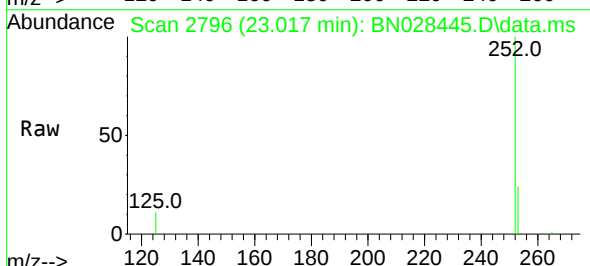
Manual Integrations
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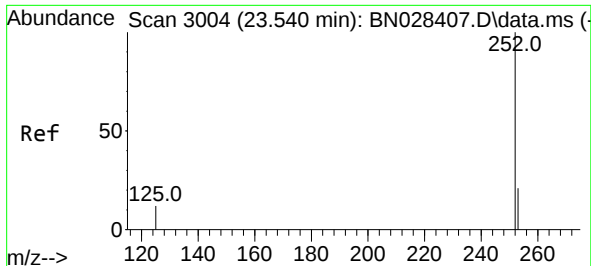
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#38
Benzo(k)fluoranthene
Concen: 16.741 ng m
RT: 23.017 min Scan# 2796
Delta R.T. 0.027 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

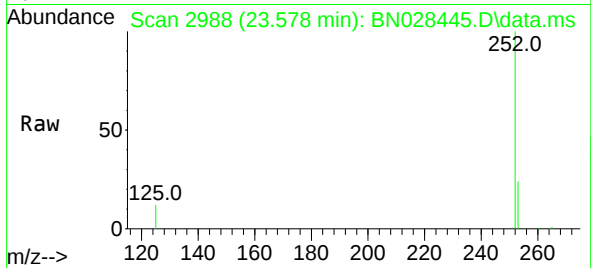
Tgt Ion:252 Resp: 2570099
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 11.0 10.2 15.2





#39
Benzo(a)pyrene
Concen: 44.576 ng
RT: 23.578 min Scan# 2988
Delta R.T. 0.039 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

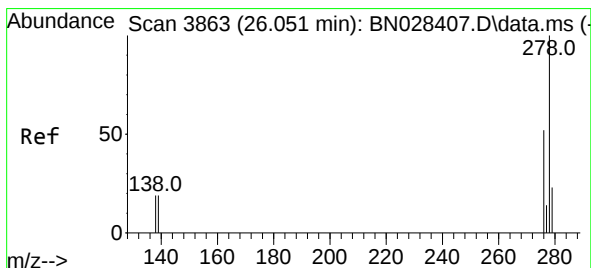
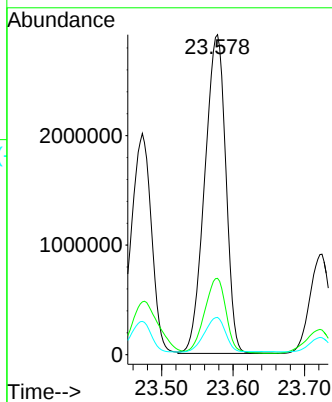
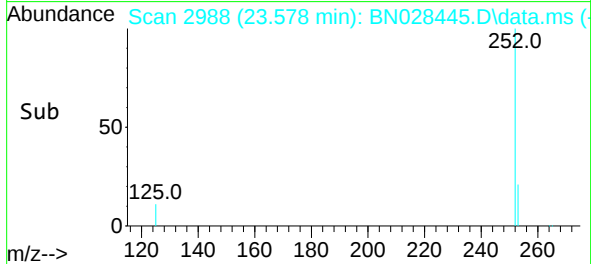
Instrument :
BNA_N
ClientSampleId :
Z-6(5-10)



Tgt Ion:252 Resp: 5951372
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 11.6 11.0 16.6

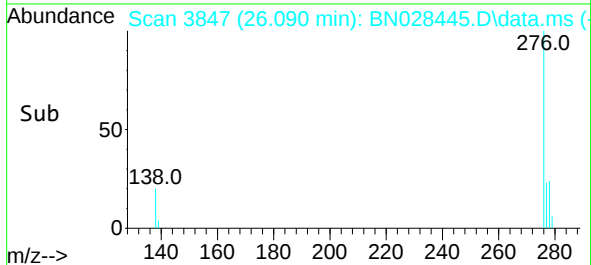
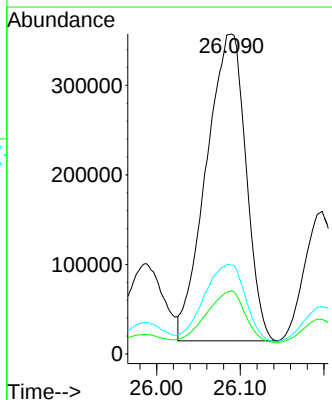
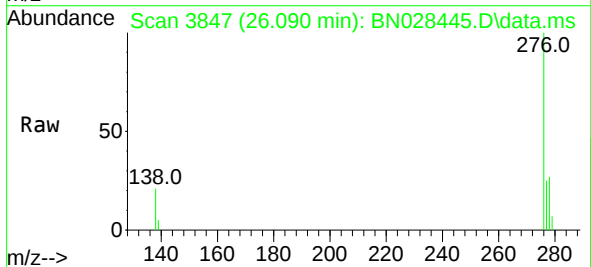
Manual Integrations
APPROVED

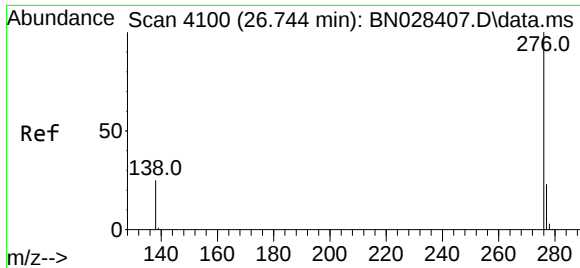
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#40
Dibenzo(a,h)anthracene
Concen: 9.006 ng
RT: 26.090 min Scan# 3847
Delta R.T. 0.039 min
Lab File: BN028445.D
Acq: 03 Nov 2023 05:56

Tgt Ion:278 Resp: 1129198
Ion Ratio Lower Upper
278 100
139 19.7 15.8 23.8
279 27.7 19.7 29.5





#41

Benzo(g,h,i)perylene

Concen: 33.379 ng

RT: 26.824 min Scan# 4098

Delta R.T. 0.080 min

Lab File: BN028445.D

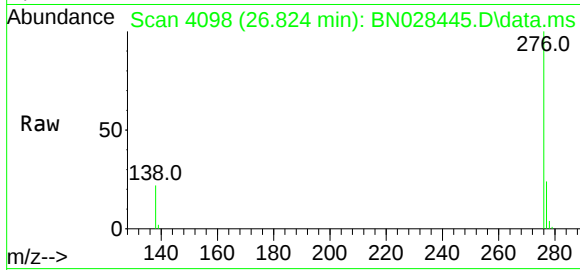
Acq: 03 Nov 2023 05:56

Instrument :

BNA_N

ClientSampleId :

Z-6(5-10)



Tgt Ion:276 Resp: 448196

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 21.7 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023

