

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040824\
 Data File : BN030778.D
 Acq On : 08 Apr 2024 20:49
 Operator : MA/JU
 Sample : P2002-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-040424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/10/2024
 Supervised By :mohammad ahmed 04/10/2024

Quant Time: Apr 09 04:26:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN033024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 00:04:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	5289	0.400	ng	-0.01
7) Naphthalene-d8	10.464	136	16908	0.400	ng	-0.02
13) Acenaphthene-d10	14.327	164	10437	0.400	ng	-0.01
19) Phenanthrene-d10	17.078	188	25158	0.400	ng	-0.01
29) Chrysene-d12	21.267	240	24966	0.400	ng	-0.02
35) Perylene-d12	23.504	264	22138	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	695	0.060	ng	-0.01
5) Phenol-d6	6.859	99	632	0.043	ng	-0.01
8) Nitrobenzene-d5	8.841	82	2557	0.215	ng	-0.01
11) 2-Methylnaphthalene-d10	12.062	152	7144	0.276	ng	-0.02
14) 2,4,6-Tribromophenol	15.824	330	174	0.044	ng	-0.01
15) 2-Fluorobiphenyl	12.948	172	9651	0.239	ng	-0.02
27) Fluoranthene-d10	19.107	212	26222	0.387	ng	-0.02
31) Terphenyl-d14	19.711	244	20338	0.353	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.226	88	326	0.051	ng	# 1
9) Naphthalene	10.517	128	1108	0.024	ng	# 78
32) Benzo(a)anthracene	21.249	228	2835m	0.032	ng	
33) Chrysene	21.303	228	3276	0.035	ng	96
34) Bis(2-ethylhexyl)phtha...	21.187	149	3706	0.097	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.767	276	2729	0.028	ng	95
37) Benzo(b)fluoranthene	22.831	252	3251	0.036	ng	# 30
38) Benzo(k)fluoranthene	22.875	252	3278	0.036	ng	# 32
39) Benzo(a)pyrene	23.407	252	1972	0.027	ng	# 1
40) Dibenzo(a,h)anthracene	25.784	278	2039	0.026	ng	# 52
41) Benzo(g,h,i)perylene	26.454	276	2257	0.027	ng	# 76

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

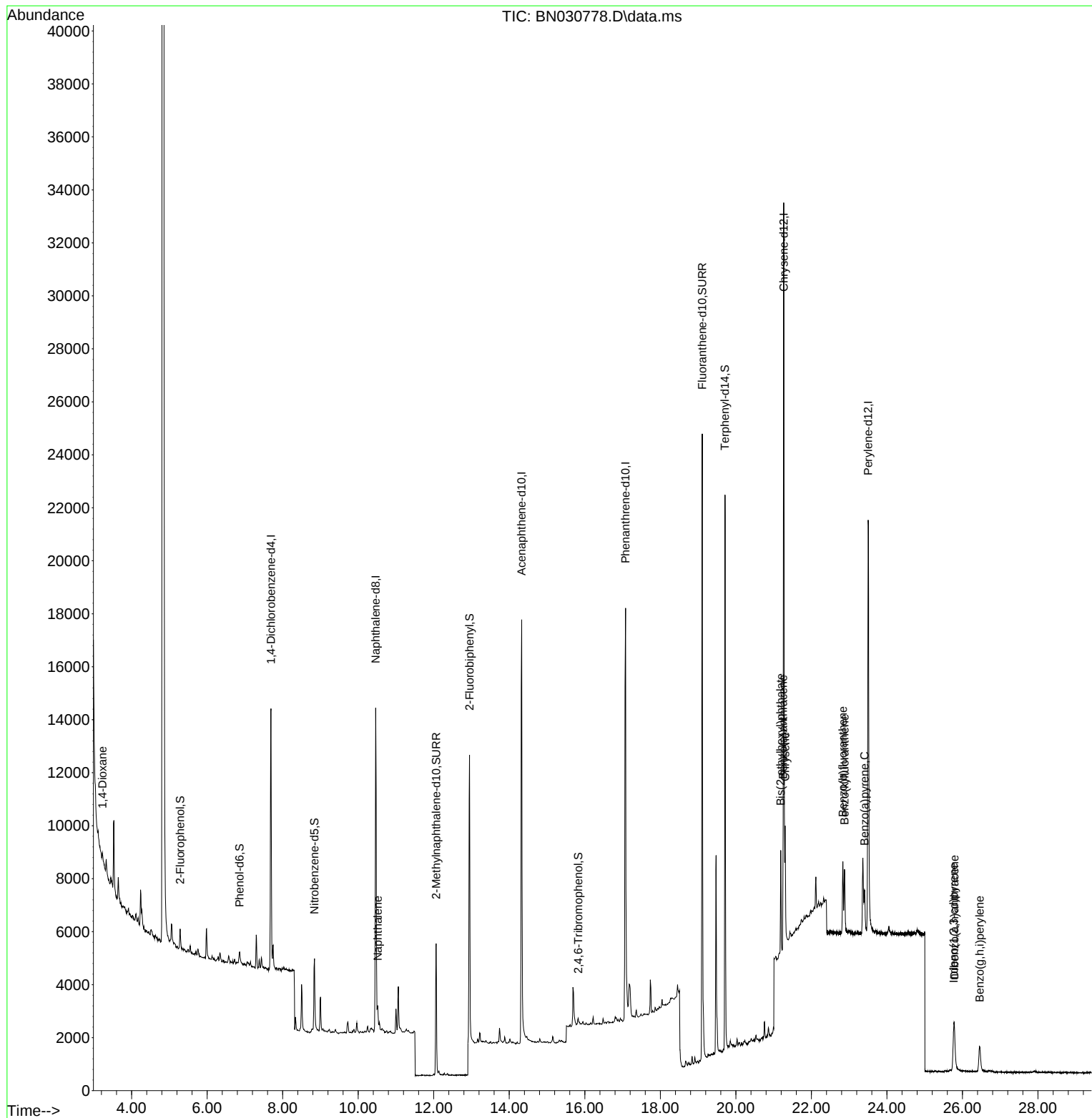
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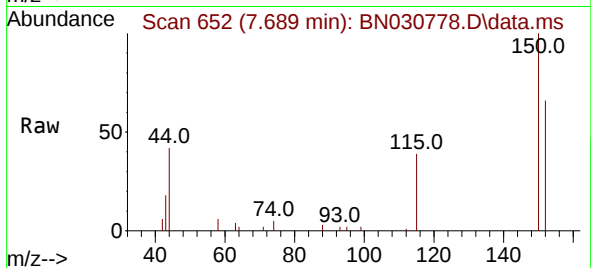
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.689 min Scan# 61
 Delta R.T. -0.015 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

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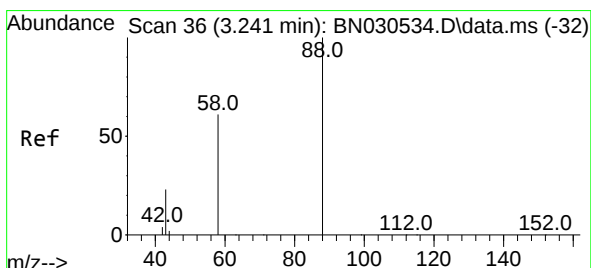
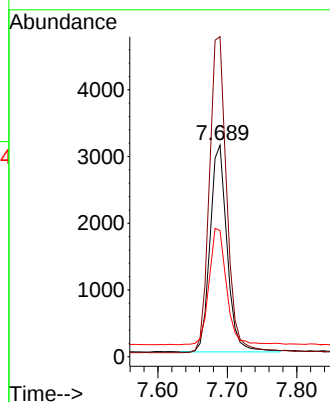
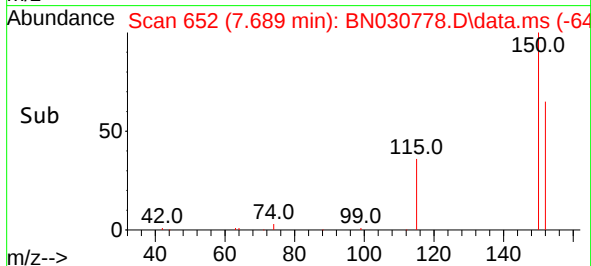
Tgt Ion:152 Resp: 5289
 Ion Ratio Lower Upper
 152 100
 150 151.4 124.2 186.4
 115 59.7 48.6 72.8

Manual Integrations

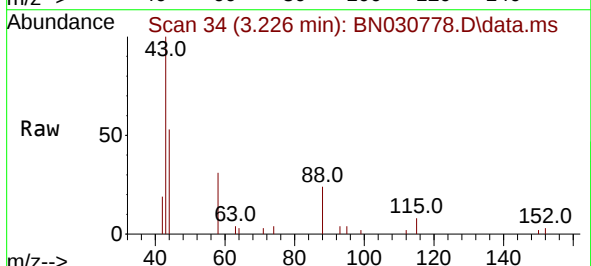
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Reviewed By :Yogesh Patel 04/10/2024

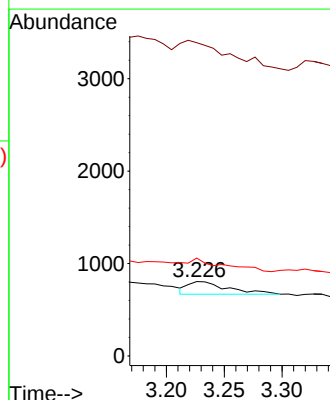
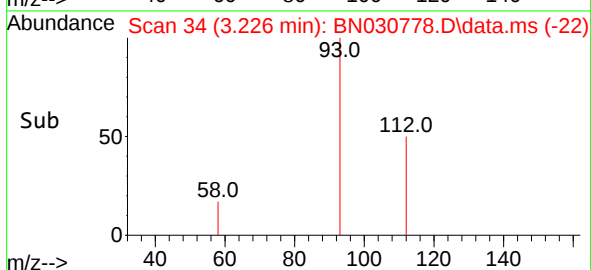
Supervised By :mohammad ahmed 04/10/2024

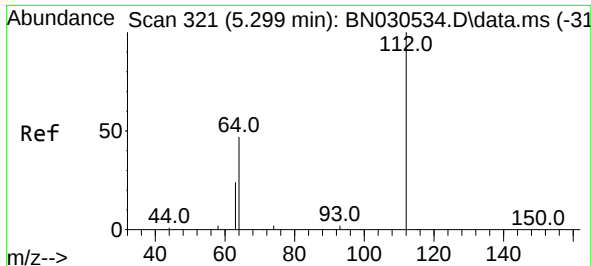


#2
 1,4-Dioxane
 Concen: 0.051 ng
 RT: 3.226 min Scan# 34
 Delta R.T. -0.014 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49



Tgt Ion: 88 Resp: 326
 Ion Ratio Lower Upper
 88 100
 43 299.7 21.9 32.9#
 58 0.0 53.4 80.2#





#4
2-Fluorophenol
Concen: 0.060 ng
RT: 5.284 min Scan# 319
Delta R.T. -0.014 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

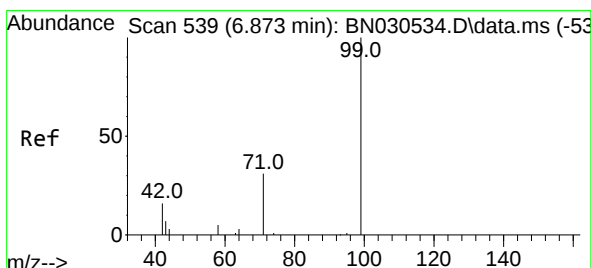
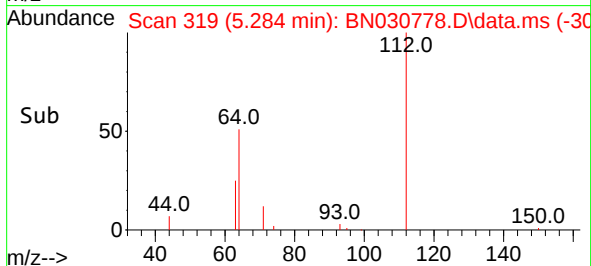
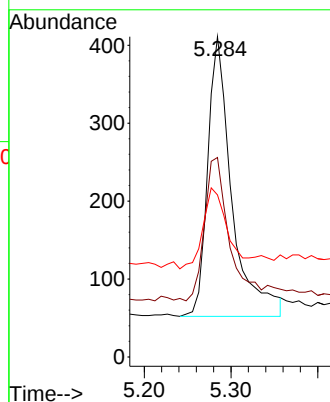
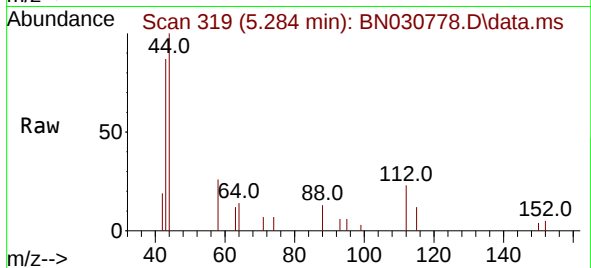
ClientSampleId :

EB01-040424

Tgt Ion: 112 Resp: 69
Ion Ratio Lower Upper
112 100
64 54.7 43.2 64.8
63 28.9 22.5 33.7

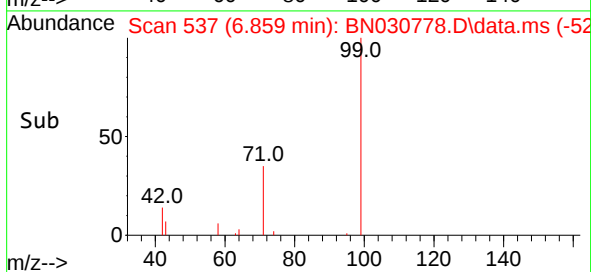
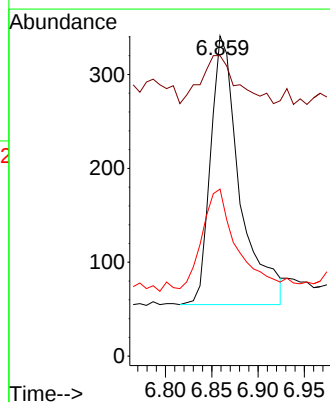
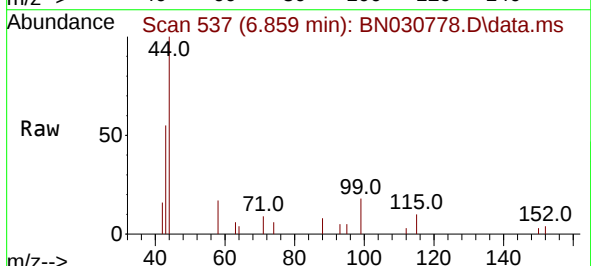
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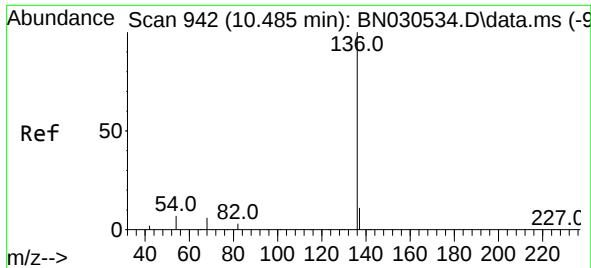
Reviewed By :Yogesh Patel 04/10/2024
Supervised By :mohammad ahmed 04/10/2024



#5
Phenol-d6
Concen: 0.043 ng
RT: 6.859 min Scan# 537
Delta R.T. -0.014 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Tgt Ion: 99 Resp: 632
Ion Ratio Lower Upper
99 100
42 21.4 15.8 23.6
71 42.9 25.9 38.9#





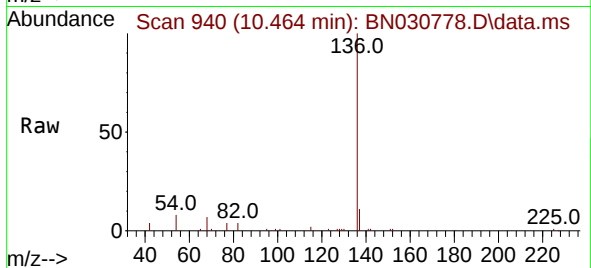
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.464 min Scan# 942
Delta R.T. -0.021 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Instrument :

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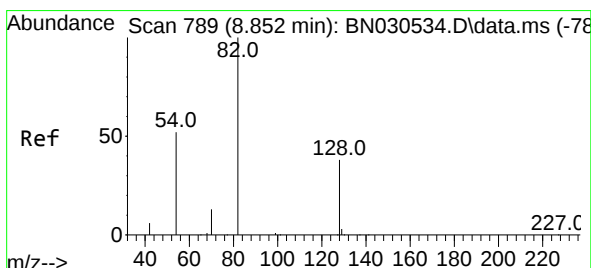
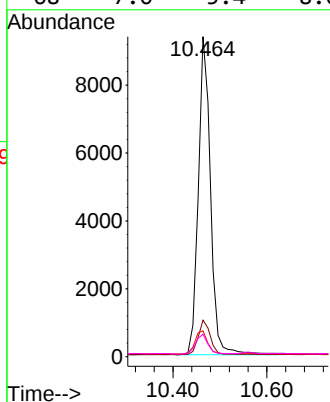
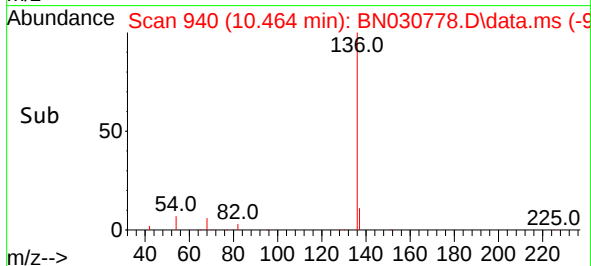
Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.1	6.4	9.6
68	7.0	5.4	8.0

Manual Integrations

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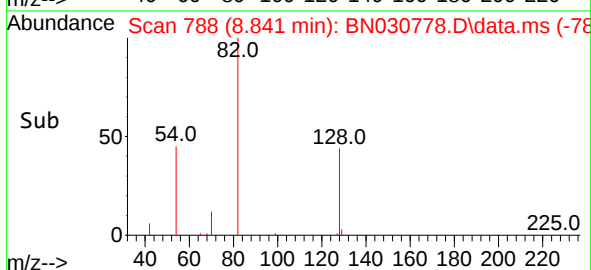
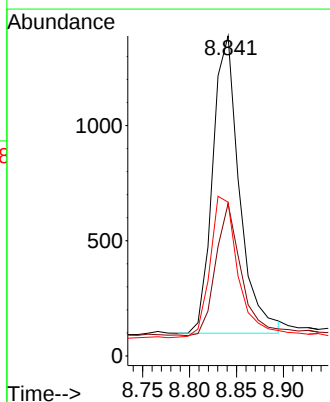
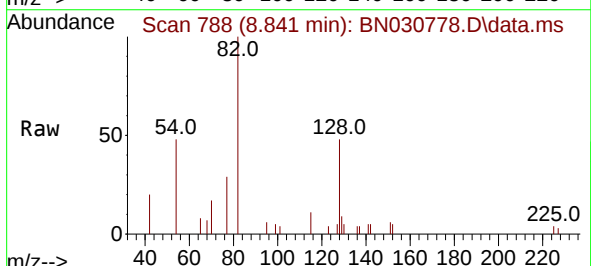
Reviewed By :Yogesh Patel 04/10/2024

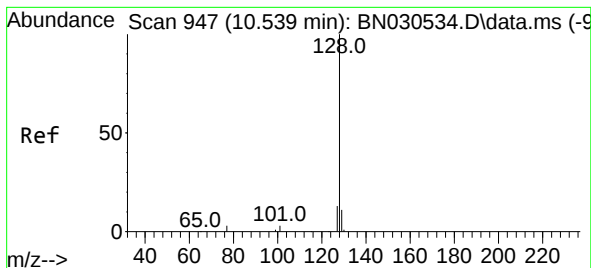
Supervised By :mohammad ahmed 04/10/2024



#8
Nitrobenzene-d5
Concen: 0.215 ng
RT: 8.841 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	32.3	48.5
54	48.0	42.7	64.1





#9

Naphthalene

Concen: 0.024 ng

RT: 10.517 min Scan# 94

Delta R.T. -0.021 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

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Tgt Ion:	128	Resp:	1108
Ion	Ratio	Lower	Upper
128	100		
129	21.1	9.0	13.6
127	20.5	10.5	15.7

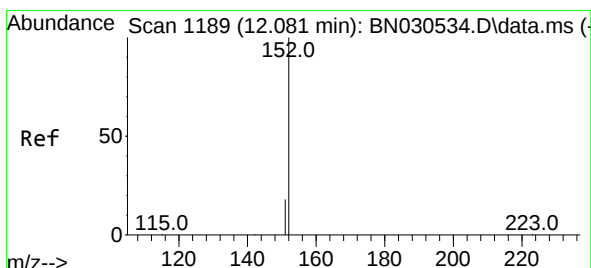
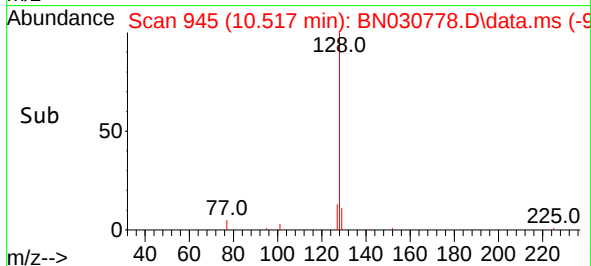
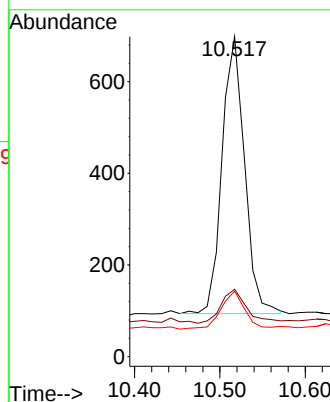
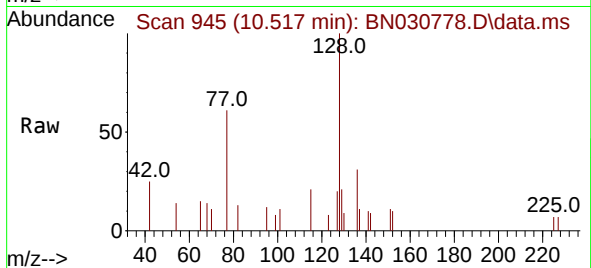
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Supervised By :mohammad
ahmed
04/10/2024



#11

2-Methylnaphthalene-d10

Concen: 0.276 ng

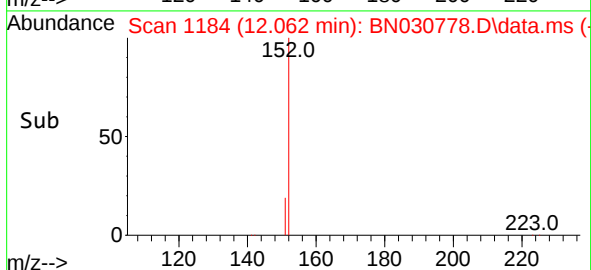
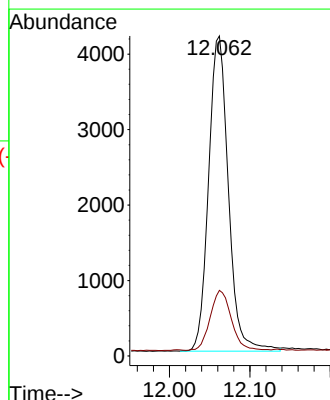
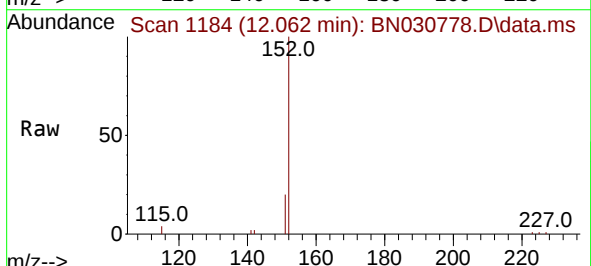
RT: 12.062 min Scan# 1184

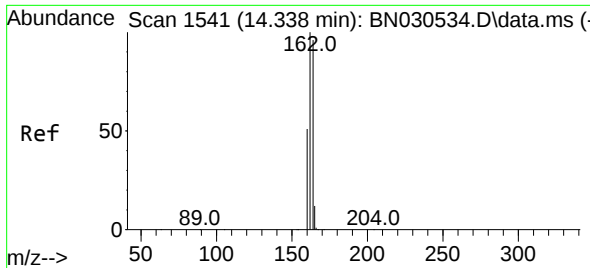
Delta R.T. -0.019 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

Tgt Ion:	152	Resp:	7144
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.7	25.1





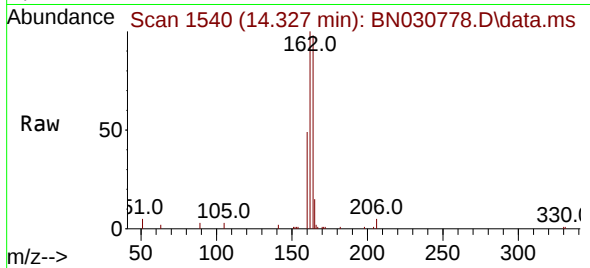
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.327 min Scan# 1540
Delta R.T. -0.011 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

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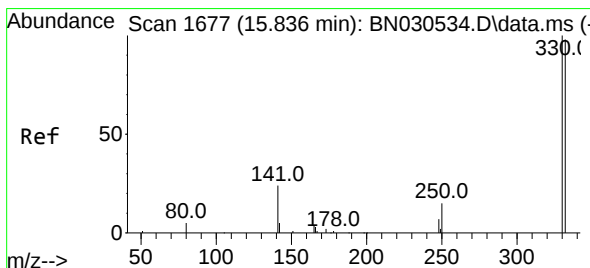
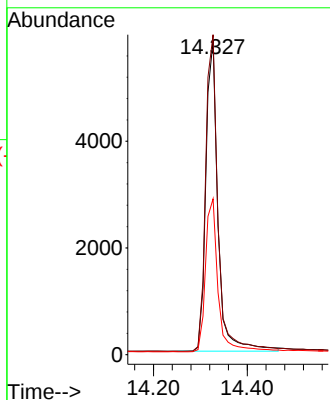
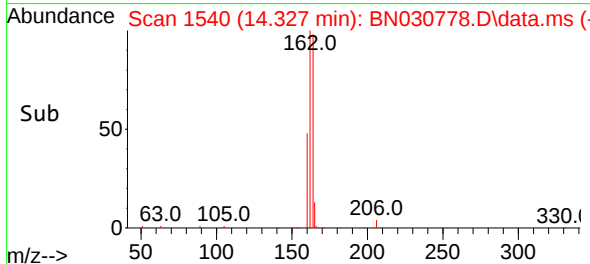


Tgt Ion:164 Resp: 1043
Ion Ratio Lower Upper
164 100
162 101.9 83.5 125.3
160 49.6 42.5 63.7

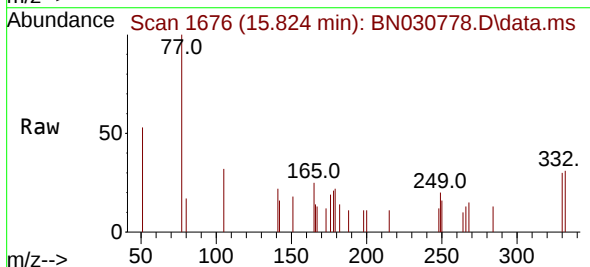
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Supervised By :mohammad ahmed 04/10/2024

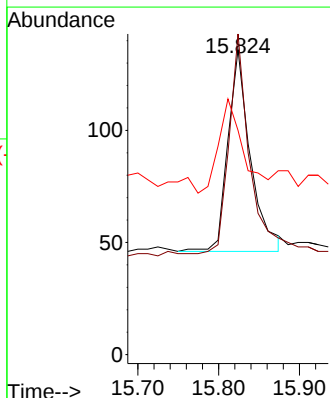
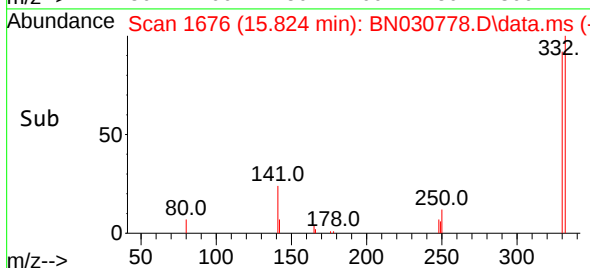
Supervised By :mohammad
ahmed
04/10/2024

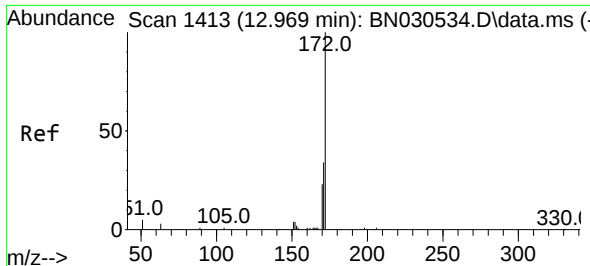


#14
2,4,6-Tribromophenol
Concen: 0.044 ng
RT: 15.824 min Scan# 1676
Delta R.T. -0.012 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49



Tgt Ion:330 Resp: 174
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 51.1 35.9 53.9





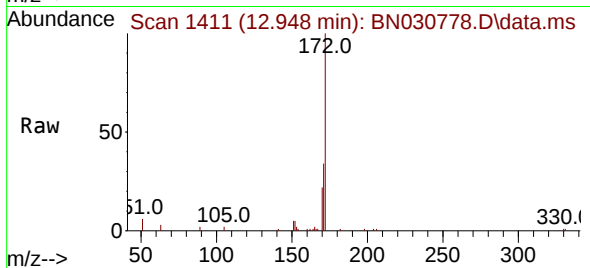
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2-Fluorobiphenyl
Concen: 0.239 ng
RT: 12.948 min Scan# 1411
Delta R.T. -0.021 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

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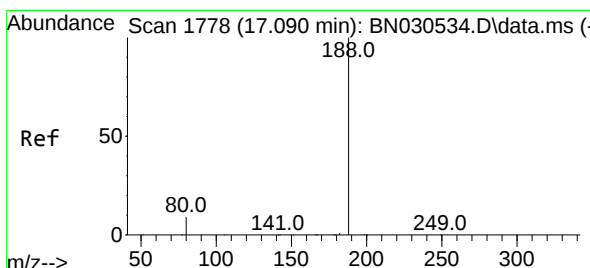
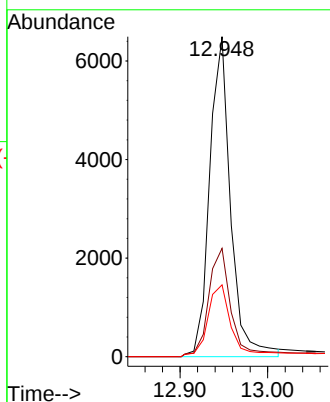
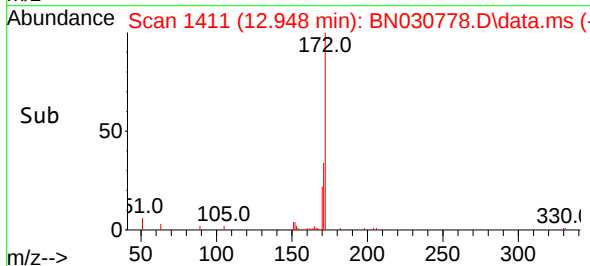


Tgt Ion:172 Resp: 965
Ion Ratio Lower Upper
172 100
171 33.9 27.1 40.7
170 22.4 18.3 27.5

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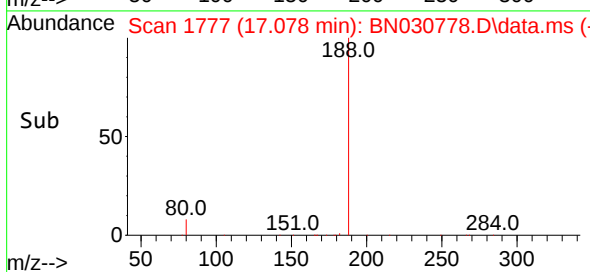
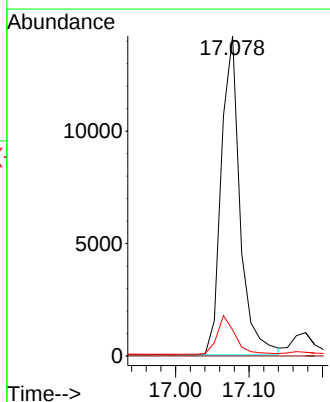
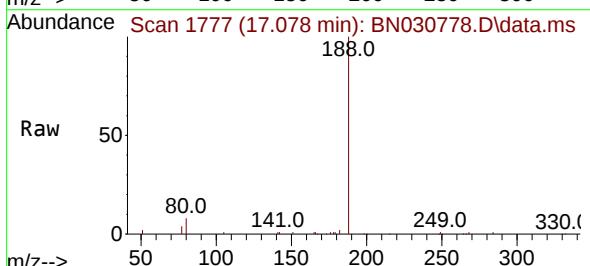
Reviewed By :Yogesh Patel 04/10/2024
Supervised By :mohammad ahmed 04/10/2024

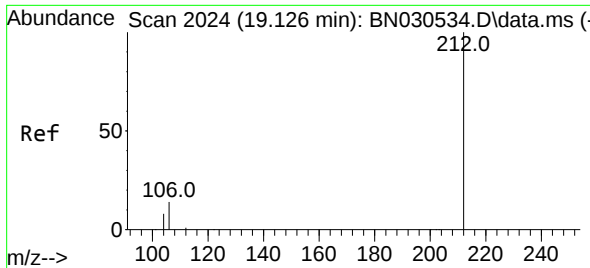
Supervised By :mohammad
ahmed
04/10/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Tgt Ion:188 Resp: 25158
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 7.4 11.0





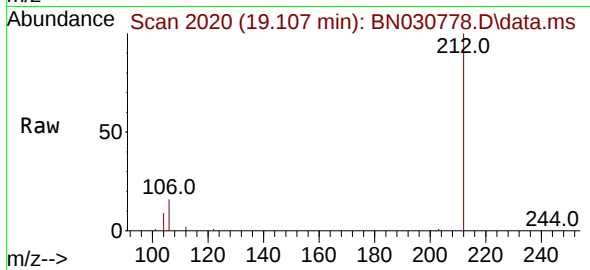
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.107 min Scan# 20
Delta R.T. -0.019 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Instrument :

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Tgt Ion:212 Resp: 2622
Ion Ratio Lower Upper
212 100
106 15.1 11.8 17.6
104 8.7 6.6 9.8

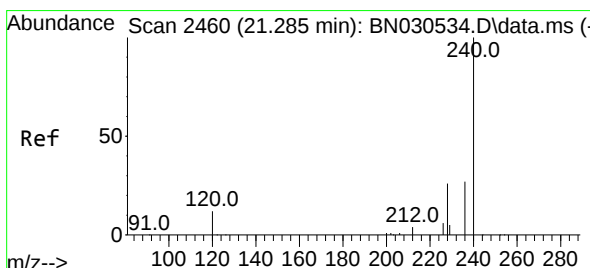
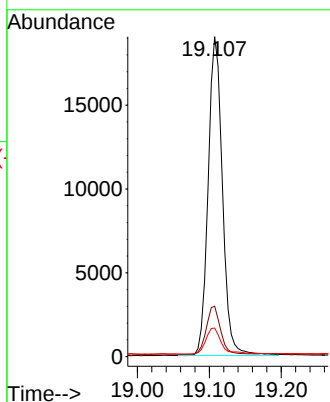
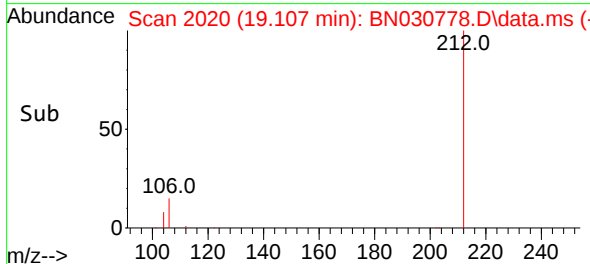
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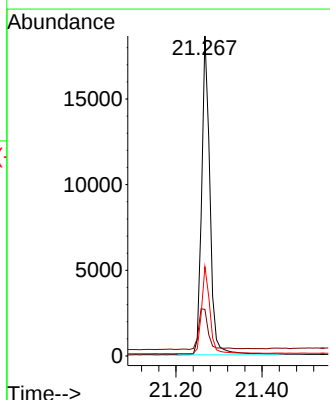
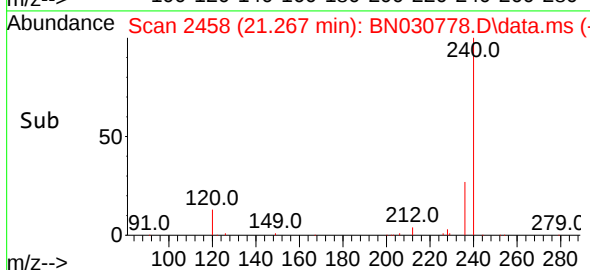
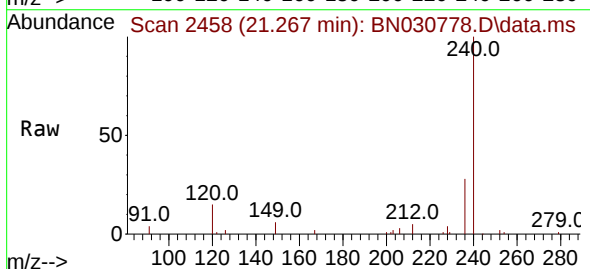
Supervised By :mohammad ahmed 04/10/2024

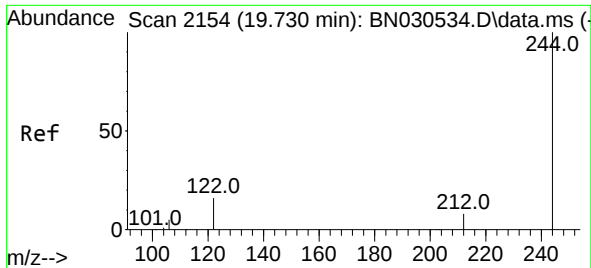
Supervised By :mohammad
ahmed
04/10/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.267 min Scan# 2458
Delta R.T. -0.018 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Tgt Ion:240 Resp: 24966
Ion Ratio Lower Upper
240 100
120 14.5 10.6 15.8
236 27.9 22.1 33.1





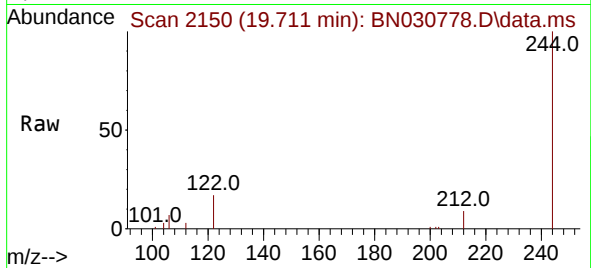
#31
 Terphenyl-d14
 Concen: 0.353 ng
 RT: 19.711 min Scan# 2154
 Delta R.T. -0.019 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

EB01-040424



Tgt Ion:244 Resp: 20338
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 17.3 12.7 19.1

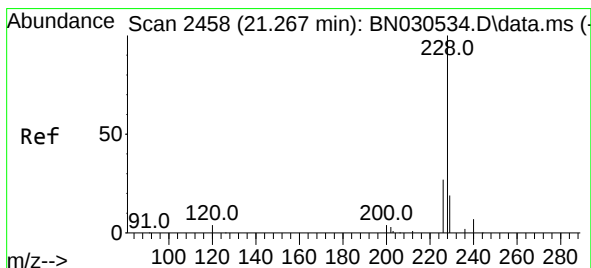
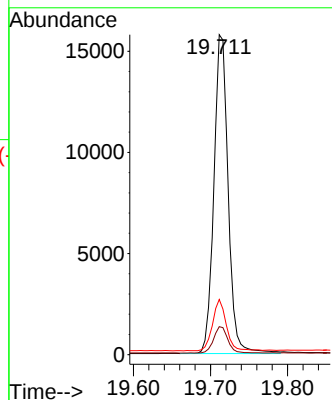
Manual Integrations

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Reviewed By :Yogesh Patel 04/10/2024

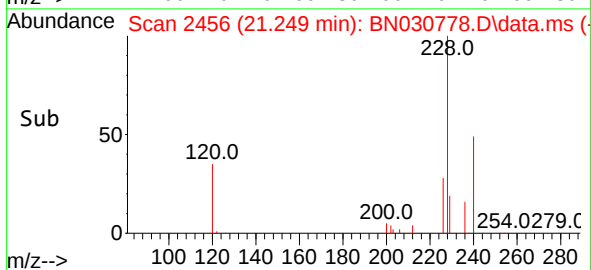
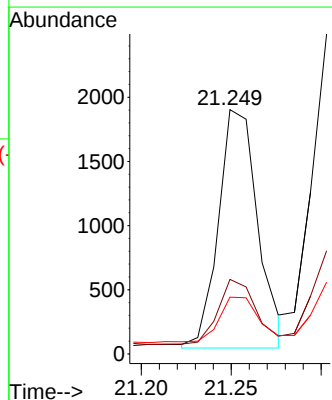
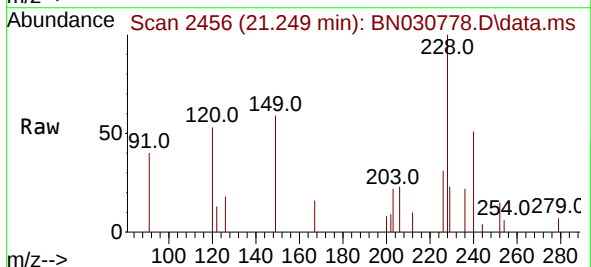
Supervised By :mohammad ahmed 04/10/2024

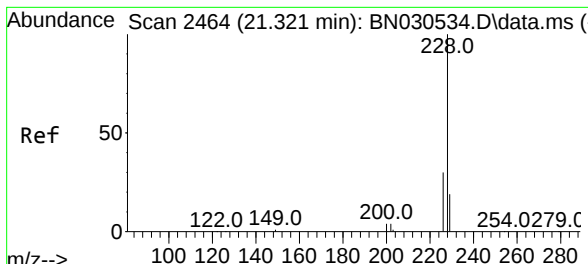
Supervised By :mohammad
 ahmed
 04/10/2024



#32
 Benzo(a)anthracene
 Concen: 0.032 ng m
 RT: 21.249 min Scan# 2456
 Delta R.T. -0.018 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

Tgt Ion:228 Resp: 2835
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.8
 229 23.3 15.4 23.2#



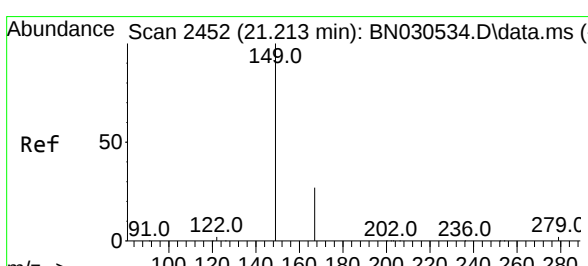
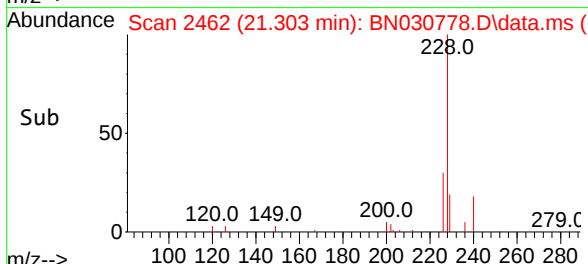
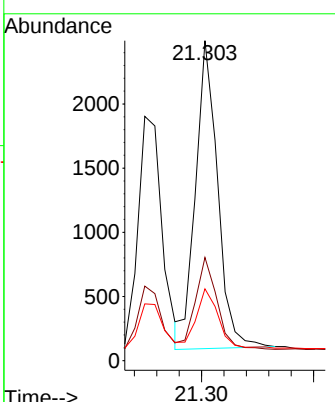
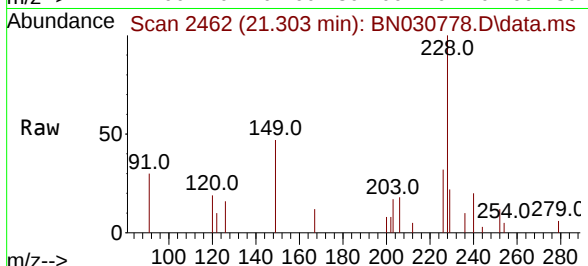


#33
 Chrysene
 Concen: 0.035 ng
 RT: 21.303 min Scan# 2462
 Delta R.T. -0.018 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

Instrument : BNA_N
 ClientSampleId : EB01-040424

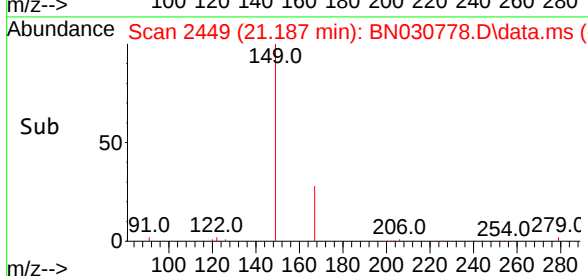
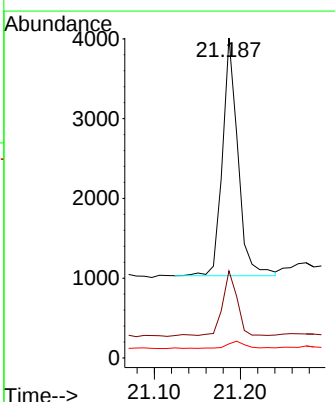
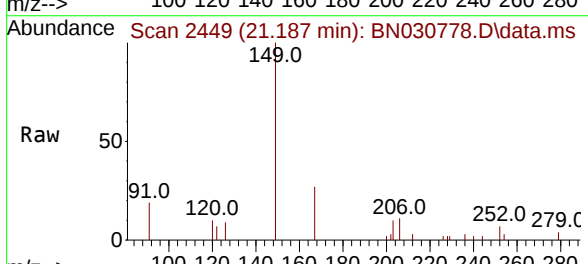
Tgt Ion:	228	Resp:	3270
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.3	36.5
229	22.5	15.8	23.6

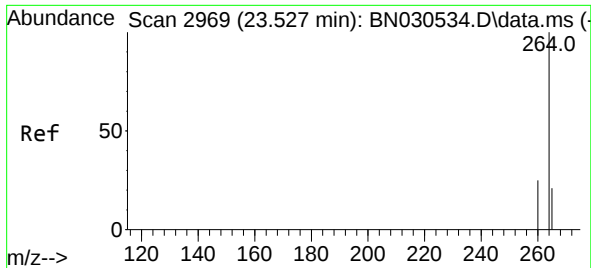
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 04/10/2024
 Supervised By :mohammad ahmed 04/10/2024



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.097 ng
 RT: 21.187 min Scan# 2449
 Delta R.T. -0.027 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

Tgt Ion:	149	Resp:	3706
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.4	32.0
279	3.6	2.3	3.5





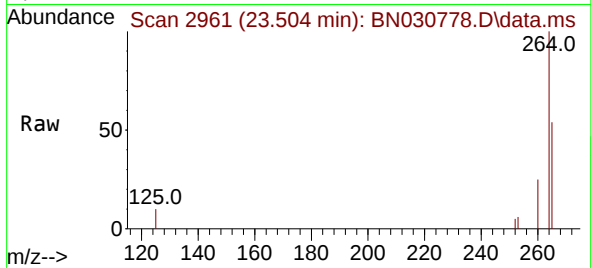
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.504 min Scan# 2961
Delta R.T. -0.023 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

EB01-040424



Tgt Ion:264 Resp: 22138
Ion Ratio Lower Upper
264 100
260 25.5 20.6 30.8
265 54.4 41.8 62.8

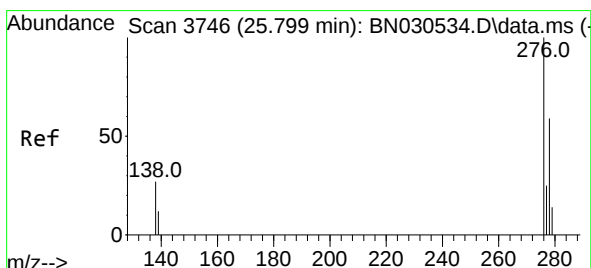
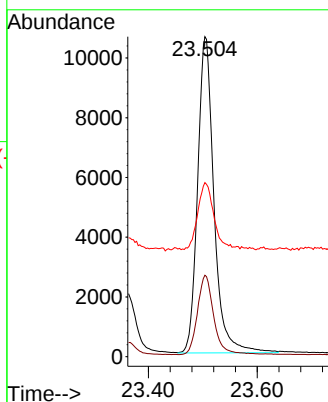
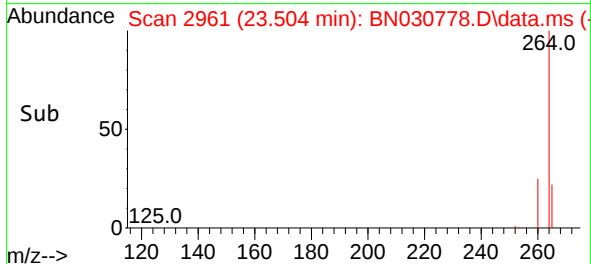
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/10/2024

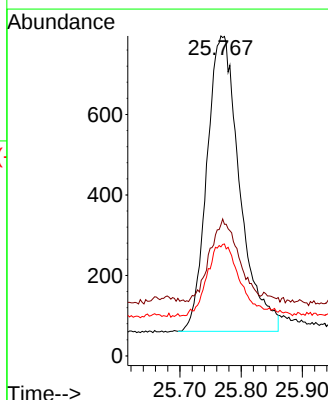
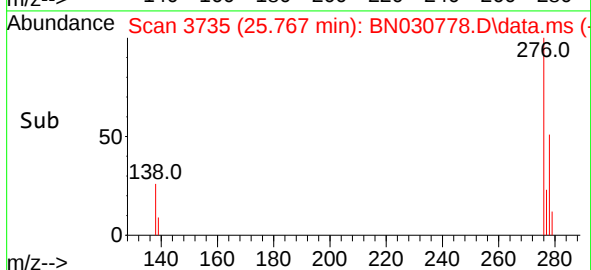
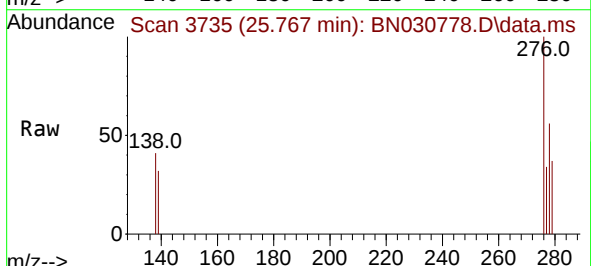
Supervised By :mohammad ahmed 04/10/2024

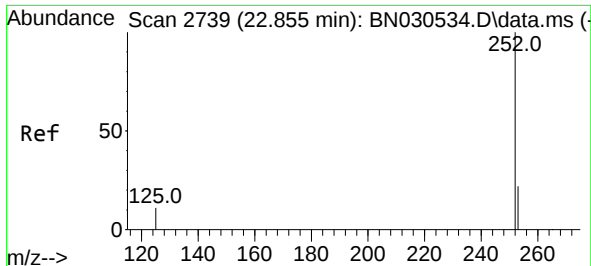
Supervised By :mohammad
ahmed
04/10/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.028 ng
RT: 25.767 min Scan# 3735
Delta R.T. -0.032 min
Lab File: BN030778.D
Acq: 08 Apr 2024 20:49

Tgt Ion:276 Resp: 2729
Ion Ratio Lower Upper
276 100
138 24.6 23.0 34.4
277 23.6 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.036 ng

RT: 22.831 min Scan# 21

Delta R.T. -0.023 min

Lab File: BN030778.D

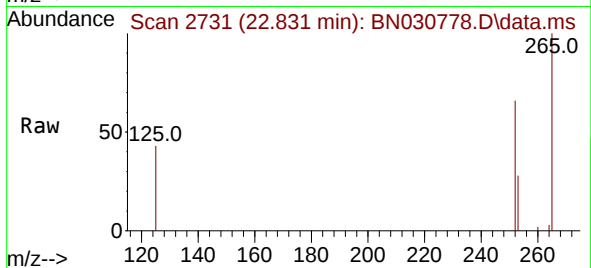
Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

EB01-040424



Tgt Ion:252 Resp: 325

Ion	Ratio	Lower	Upper
252	100		
253	43.1	19.2	28.8
125	64.7	11.7	17.5

Manual Integrations

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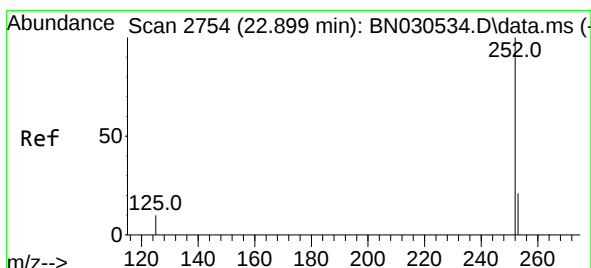
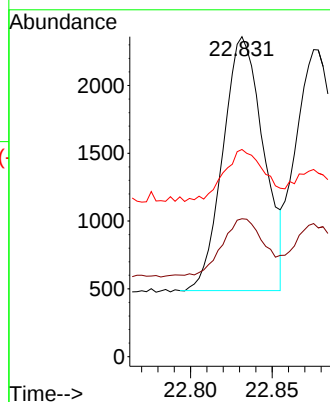
Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Supervised By :mohammad

ahmed

04/10/2024



#38

Benzo(k)fluoranthene

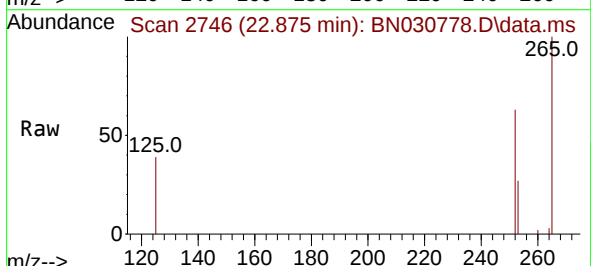
Concen: 0.036 ng

RT: 22.875 min Scan# 2746

Delta R.T. -0.023 min

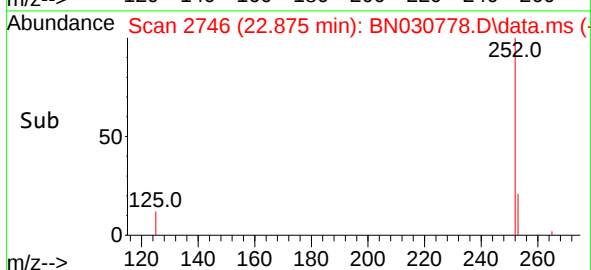
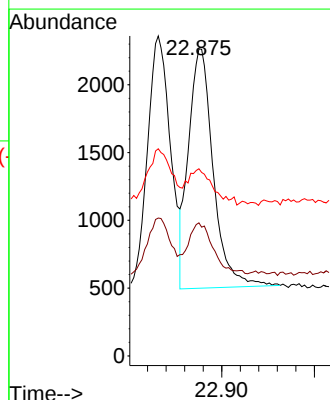
Lab File: BN030778.D

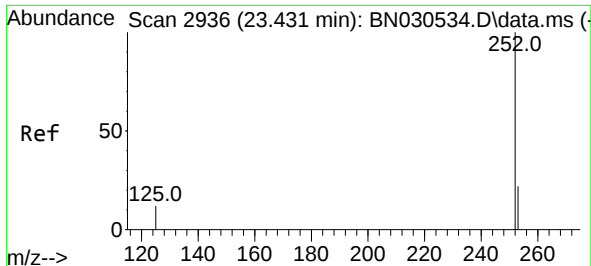
Acq: 08 Apr 2024 20:49



Tgt Ion:252 Resp: 3278

Ion	Ratio	Lower	Upper
252	100		
253	43.4	18.9	28.3
125	60.9	11.5	17.3





#39

Benzo(a)pyrene

Concen: 0.027 ng

RT: 23.407 min Scan# 2928

Delta R.T. -0.023 min

Lab File: BN030778.D

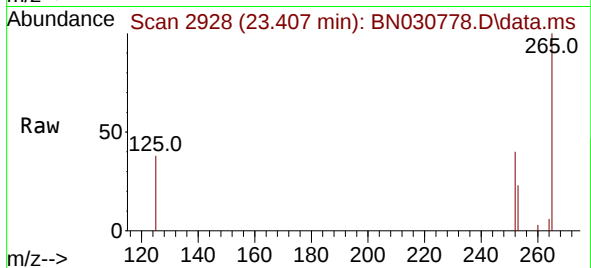
Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

EB01-040424



Tgt Ion:252 Resp: 1972

Ion	Ratio	Lower	Upper
252	100		
253	57.0	20.0	30.0#
125	93.9	14.3	21.5#

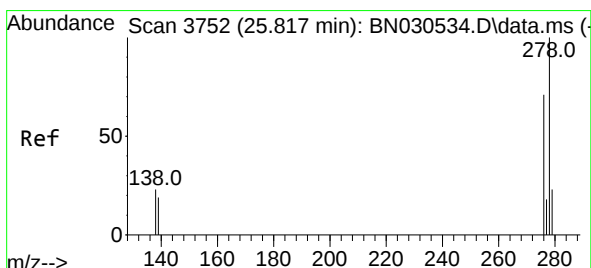
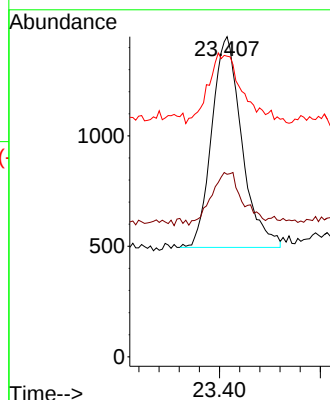
Manual Integrations

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Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Supervised By :mohammad
ahmed
04/10/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 25.784 min Scan# 3741

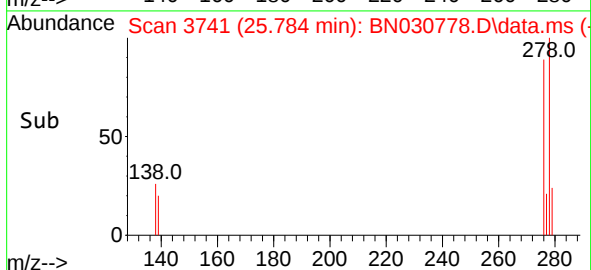
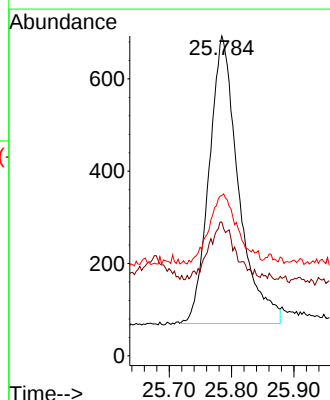
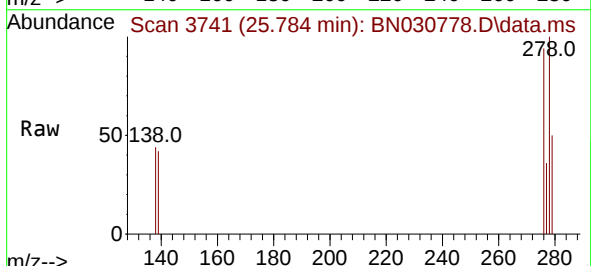
Delta R.T. -0.032 min

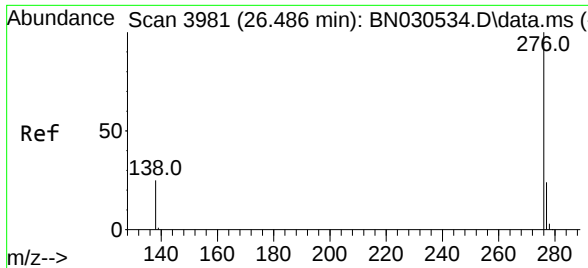
Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

Tgt Ion:278 Resp: 2039

Ion	Ratio	Lower	Upper
278	100		
139	41.8	16.2	24.2#
279	50.1	20.6	30.8#





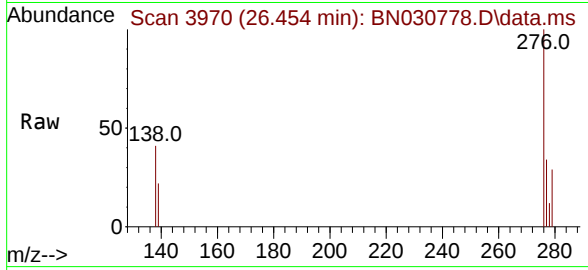
#41
 Benzo(g,h,i)perylene
 Concen: 0.027 ng
 RT: 26.454 min Scan# 3981
 Delta R.T. -0.032 min
 Lab File: BN030778.D
 Acq: 08 Apr 2024 20:49

Instrument :

BNA_N

ClientSampleId :

EB01-040424



Tgt Ion:	276	Resp:	225
Ion	Ratio	Lower	Upper
276	100		
277	34.1	19.8	29.6
138	40.5	20.6	31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/10/2024

Supervised By :mohammad ahmed 04/10/2024

Supervised By :mohammad
 ahmed
 04/10/2024

