

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
 Data File : BN032962.D
 Acq On : 24 Jul 2024 23:49
 Operator : MA/JU
 Sample : P3215-15DL 5X
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D43DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/26/2024

Quant Time: Jul 25 00:50:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 20 01:52:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.519	152	4492	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.288	136	13277	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.170	164	8043	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.931	188	13755m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.147	240	10230m	0.400	ng/ul	-0.02
23) Perylene-d12	23.339	264	13304m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	3474	0.644	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.894	152	1020	0.051	ng/ul	-0.03
18) Fluoranthene-d10	18.971	212	1678m	0.050	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.338	128	9108	0.255	ng/ul	99
7) 2-Methylnaphthalene	11.971	142	4427	0.199	ng/ul	95
8) 1-Methylnaphthalene	12.185	142	3089	0.134	ng/ul	100
10) Acenaphthylene	13.887	152	28262	0.870	ng/ul	99
11) Acenaphthene	14.230	153	6394	0.238	ng/ul	99
12) Fluorene	15.229	166	7833	0.255	ng/ul	99
14) Pentachlorophenol	16.615	266	163m	0.068	ng/ul	
15) Phenanthrene	16.969	178	157228m	4.197	ng/ul	
16) Anthracene	17.067	178	40964m	1.338	ng/ul	
19) Fluoranthene	19.003	202	377207m	9.069	ng/ul	
20) Pyrene	19.371	202	216931m	5.039	ng/ul	
21) Benzo(a)anthracene	21.130	228	165744m	5.090	ng/ul	
22) Chrysene	21.185	228	209786m	4.453	ng/ul	
24) Benzo(b)fluoranthene	22.684	252	328511m	6.998	ng/ul	
25) Benzo(k)fluoranthene	22.719	252	111855m	1.955	ng/ul	
26) Benzo(a)pyrene	23.245	252	74969m	1.845	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.542	276	106278m	1.932	ng/ul	
28) Dibenzo(a,h)anthracene	25.535	278	49118m	1.152	ng/ul	
29) Benzo(g,h,i)perylene	26.226	276	14305m	0.311	ng/ul	

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

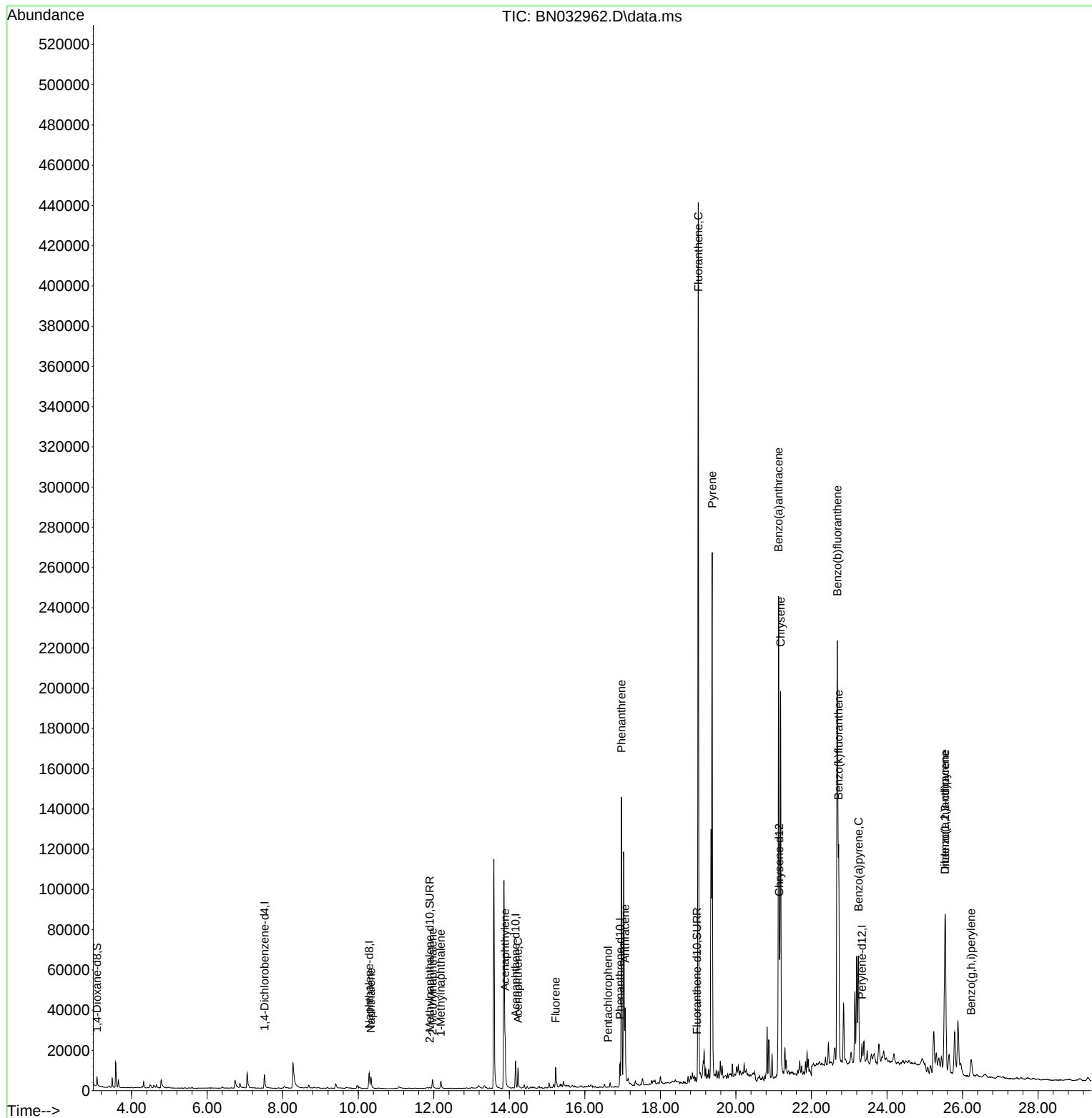
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032962.D
Acq On : 24 Jul 2024 23:49
Operator : MA/JU
Sample : P3215-15DL 5X
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ALS Vial : 74 Sample Multiplier: 1

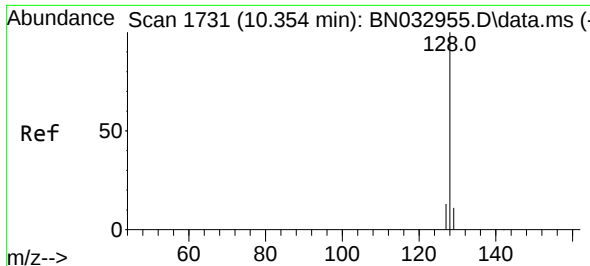
Instrument :
BNA_N
ClientSampleId :
A4D43DL

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Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024

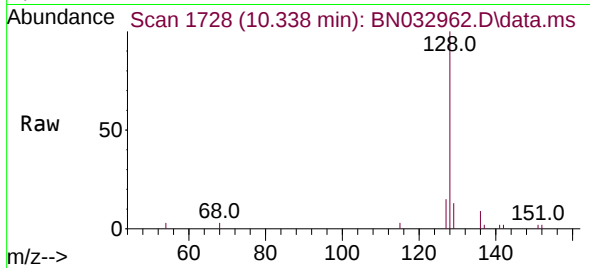
Quant Time: Jul 25 00:50:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.255 ng/ul
RT: 10.338 min Scan# 1728
Delta R.T. -0.026 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

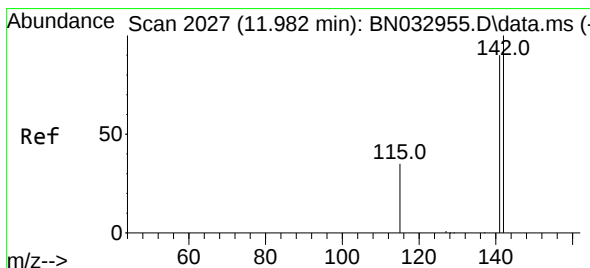
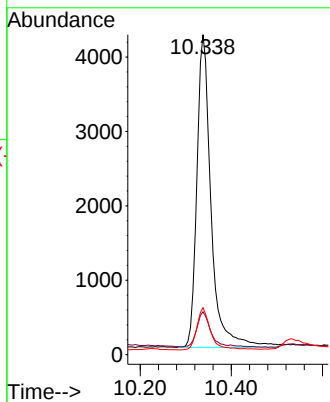
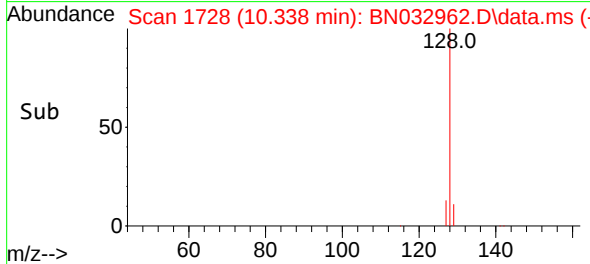
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:128 Resp: 9108
Ion Ratio Lower Upper
128 100
129 13.4 10.0 15.0
127 14.7 11.6 17.4

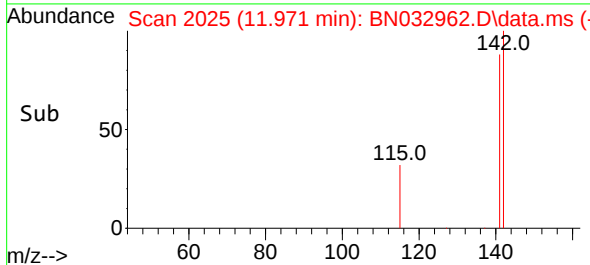
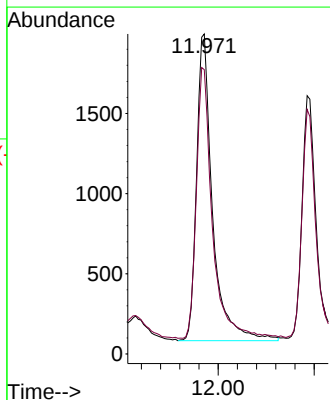
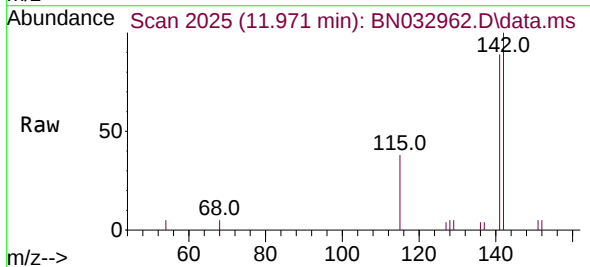
Manual Integrations
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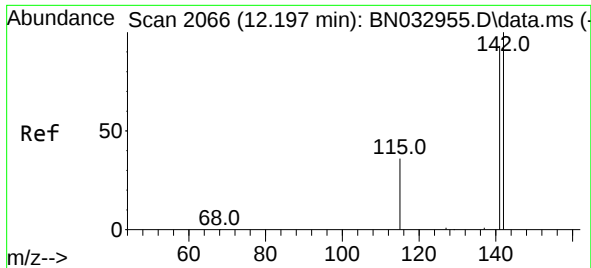
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#7
2-Methylnaphthalene
Concen: 0.199 ng/ul
RT: 11.971 min Scan# 2025
Delta R.T. -0.026 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

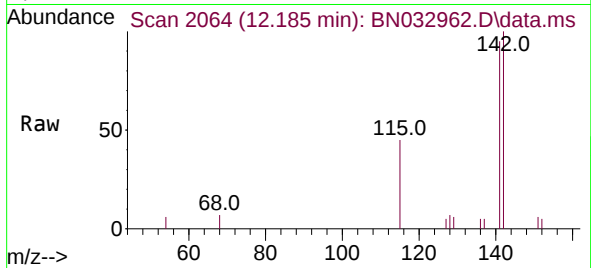
Tgt Ion:142 Resp: 4427
Ion Ratio Lower Upper
142 100
141 88.1 74.0 111.0





#8
1-Methylnaphthalene
Concen: 0.134 ng/ul
RT: 12.185 min Scan# 2064
Delta R.T. -0.026 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

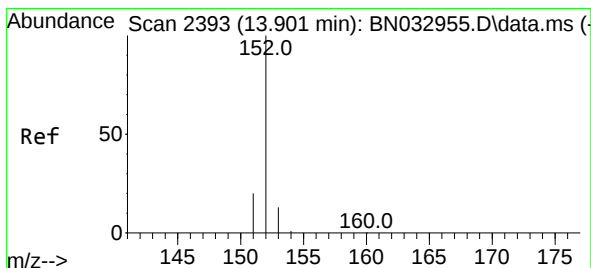
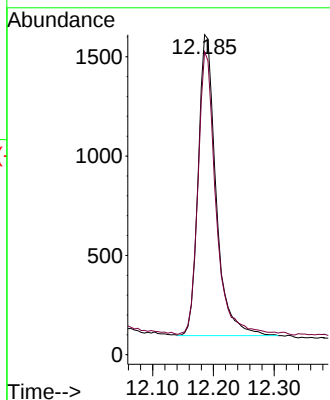
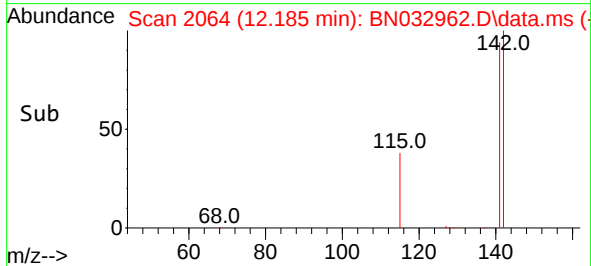
Instrument :
BNA_N
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A4D43DL



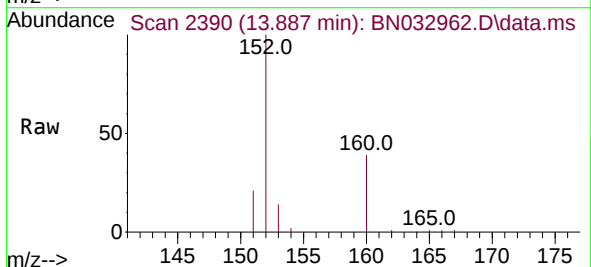
Tgt Ion:142 Resp: 3089
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4

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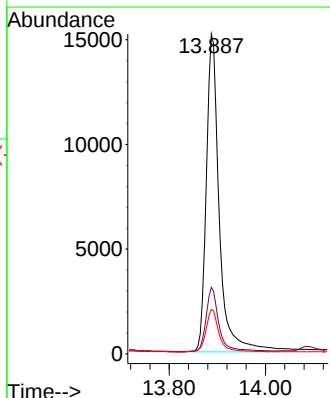
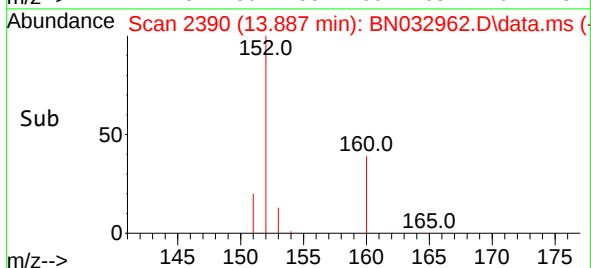
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024

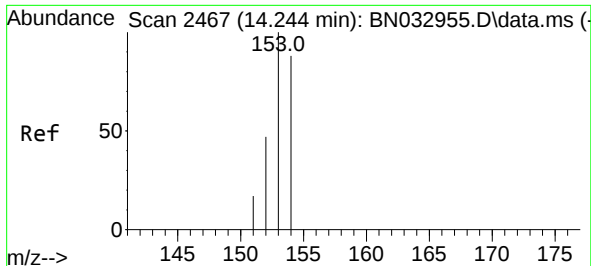


#10
Acenaphthylene
Concen: 0.870 ng/ul
RT: 13.887 min Scan# 2390
Delta R.T. -0.026 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49



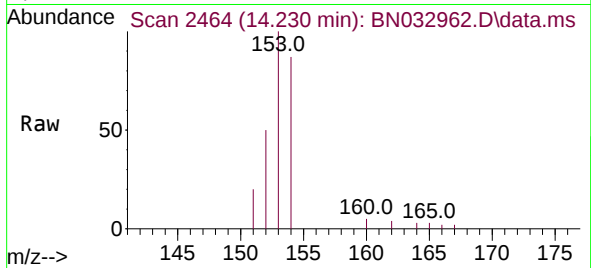
Tgt Ion:152 Resp: 28262
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.9 11.3 16.9





#11
Acenaphthene
Concen: 0.238 ng/ul
RT: 14.230 min Scan# 2464
Delta R.T. -0.022 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

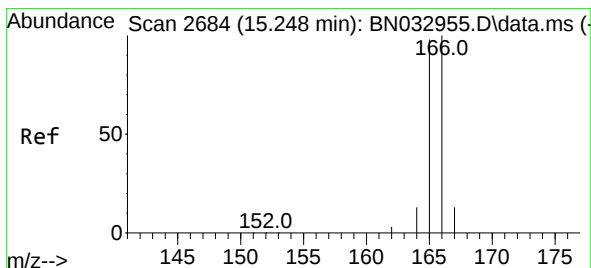
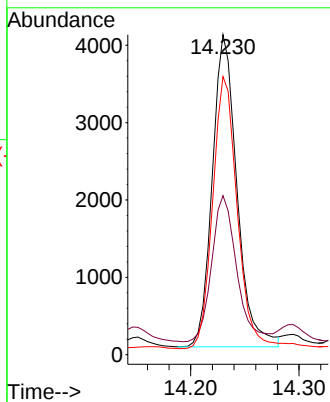
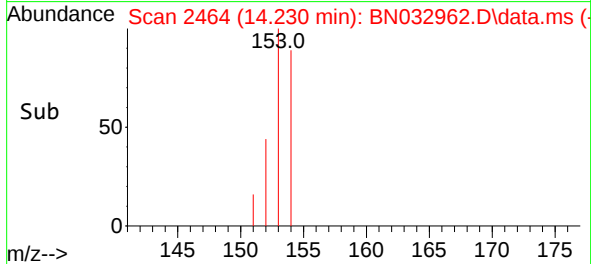
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:153 Resp: 6394
Ion Ratio Lower Upper
153 100
152 49.7 40.0 60.0
154 86.9 70.2 105.4

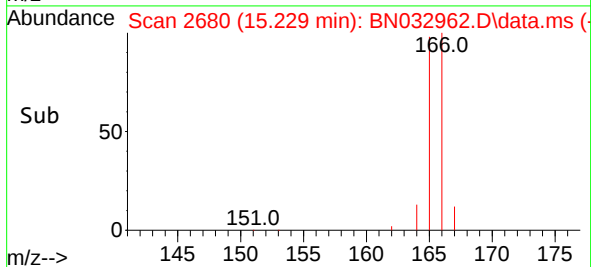
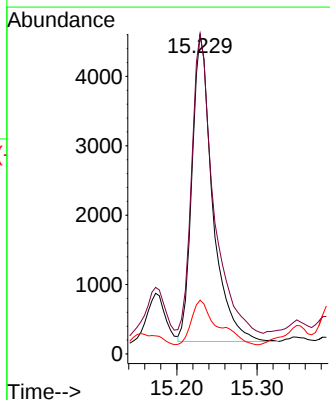
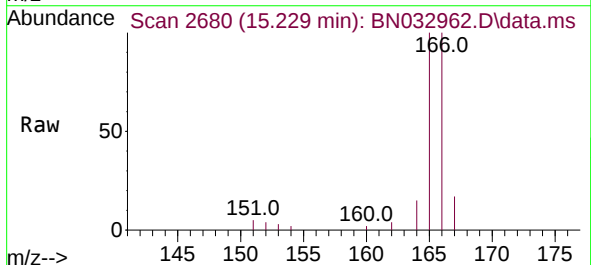
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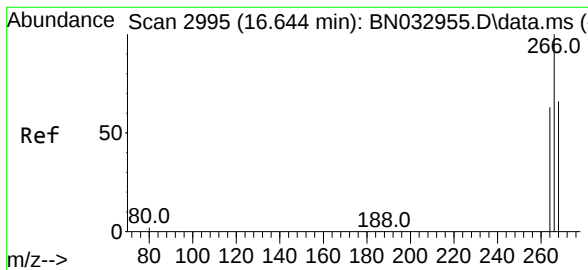
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#12
Fluorene
Concen: 0.255 ng/ul
RT: 15.229 min Scan# 2680
Delta R.T. -0.031 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

Tgt Ion:166 Resp: 7833
Ion Ratio Lower Upper
166 100
165 100.3 79.7 119.5
167 16.9 11.4 17.2





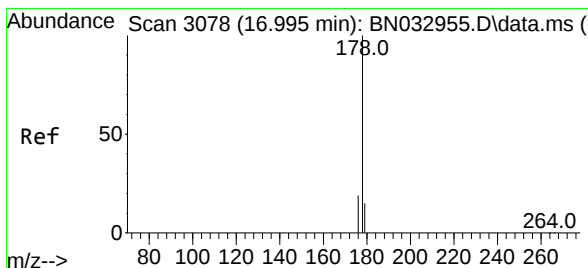
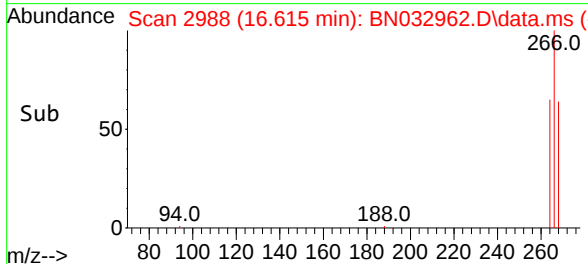
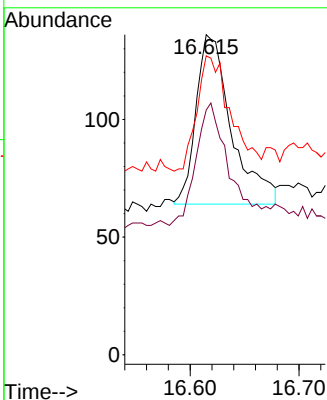
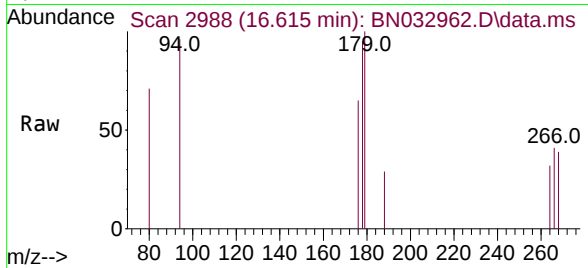
#14
 Pentachlorophenol
 Concen: 0.068 ng/ul m
 RT: 16.615 min Scan# 2995
 Delta R.T. -0.028 min
 Lab File: BN032962.D
 Acq: 24 Jul 2024 23:49

Instrument :
 BNA_N
 ClientSampleId :
 A4D43DL

Tgt Ion:	266	Resp:	163
Ion Ratio	Lower	Upper	
266	100		
264	1.8	49.4	74.2
268	1.2	51.6	77.4

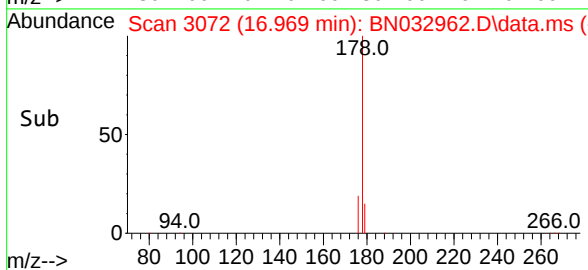
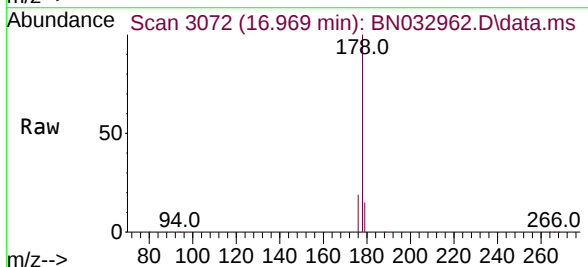
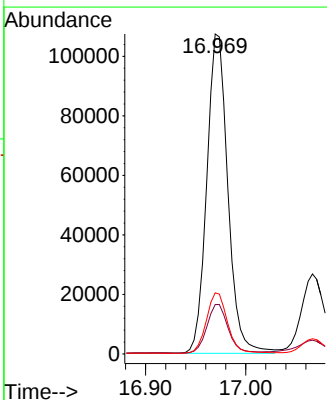
Manual Integrations
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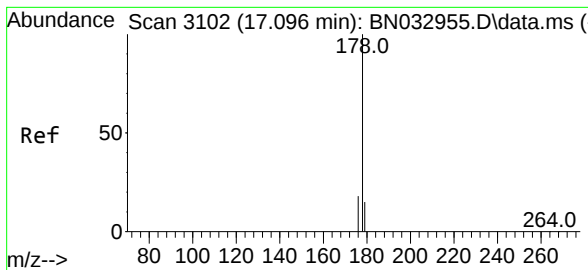
Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/26/2024



#15
 Phenanthrene
 Concen: 4.197 ng/ul m
 RT: 16.969 min Scan# 3072
 Delta R.T. -0.032 min
 Lab File: BN032962.D
 Acq: 24 Jul 2024 23:49

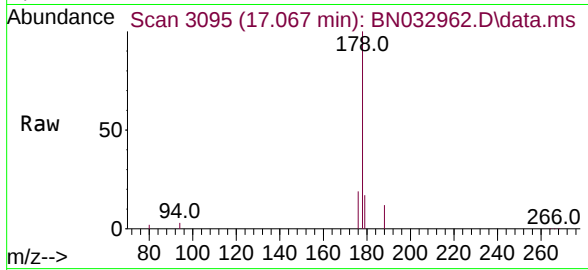
Tgt Ion:	178	Resp:	157228
Ion Ratio	Lower	Upper	
178	100		
179	15.4	13.0	19.4
176	19.1	15.6	23.4





#16
Anthracene
Concen: 1.338 ng/ul m
RT: 17.067 min Scan# 3095
Delta R.T. -0.032 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

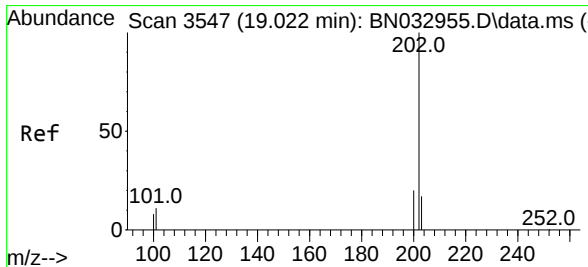
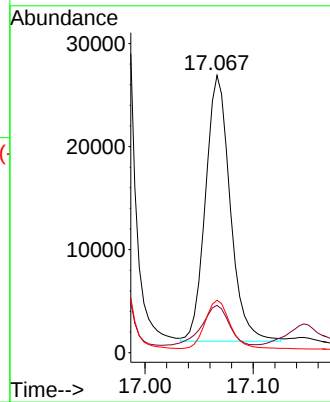
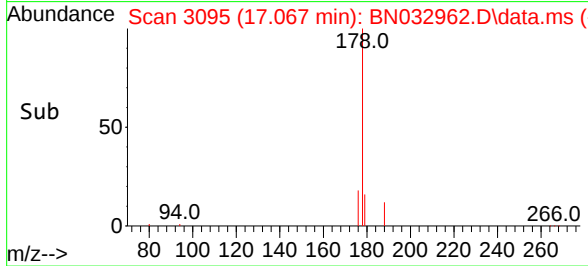
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:178 Resp: 40964
Ion Ratio Lower Upper
178 100
179 17.1 13.4 20.2
176 19.0 15.4 23.0

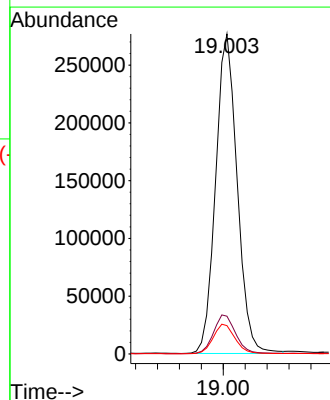
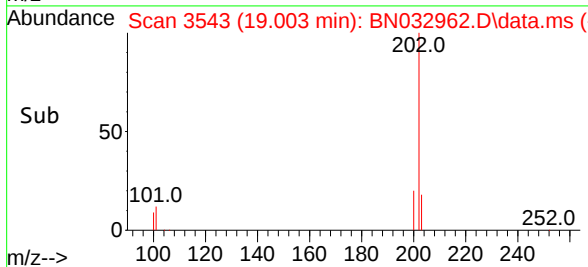
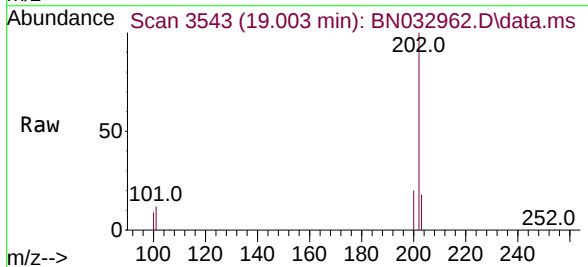
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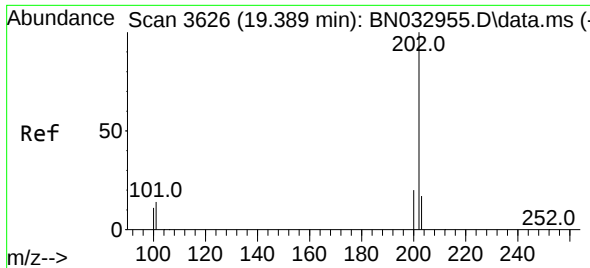
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#19
Fluoranthene
Concen: 9.069 ng/ul m
RT: 19.003 min Scan# 3543
Delta R.T. -0.022 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

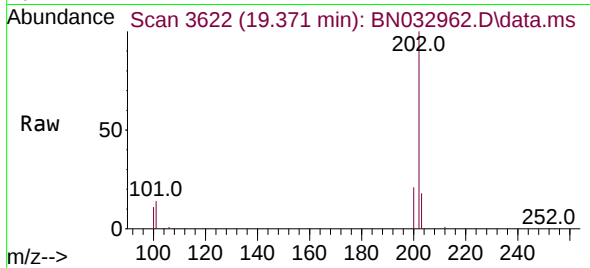
Tgt Ion:202 Resp: 377207
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.8
100 8.8 7.9 11.9





#20
Pyrene
Concen: 5.039 ng/ul m
RT: 19.371 min Scan# 3622
Delta R.T. -0.022 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

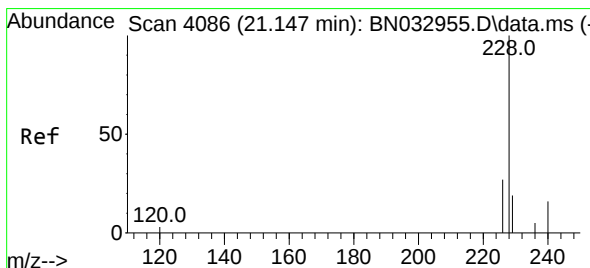
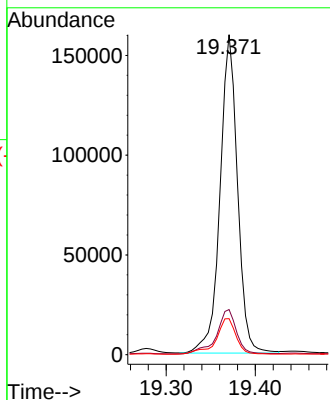
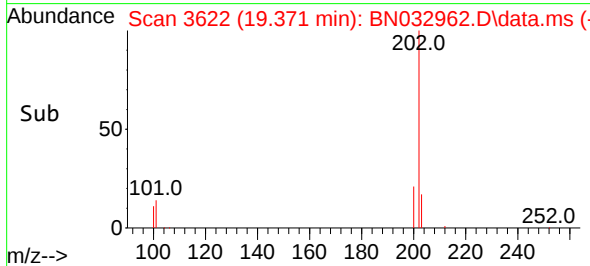
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:202 Resp: 21693
Ion Ratio Lower Upper
202 100
101 14.1 11.8 17.6
100 11.3 9.6 14.4

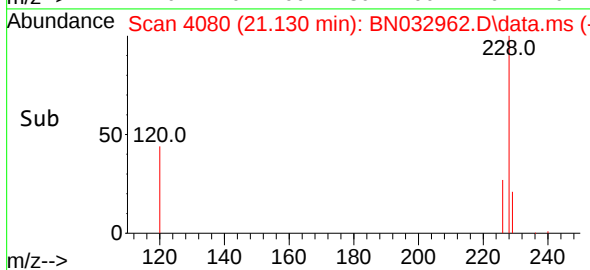
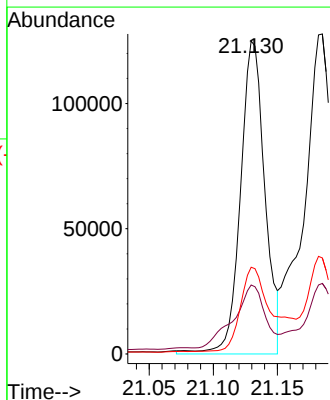
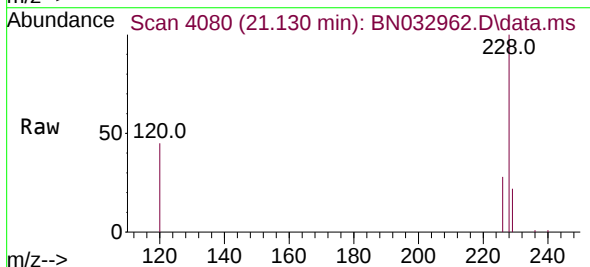
Manual Integrations
APPROVED

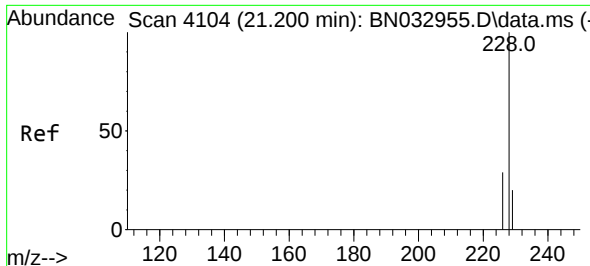
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#21
Benzo(a)anthracene
Concen: 5.090 ng/ul m
RT: 21.130 min Scan# 4080
Delta R.T. -0.021 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

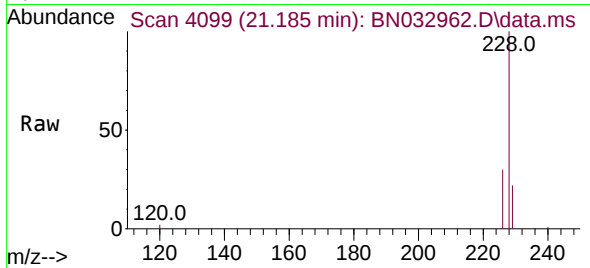
Tgt Ion:228 Resp: 165744
Ion Ratio Lower Upper
228 100
229 22.0 16.1 24.1
226 27.7 21.9 32.9





#22
Chrysene
Concen: 4.453 ng/ul m
RT: 21.185 min Scan# 4099
Delta R.T. -0.018 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

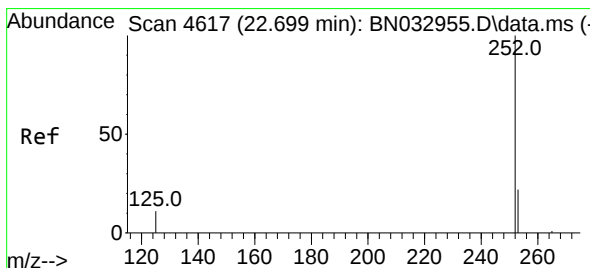
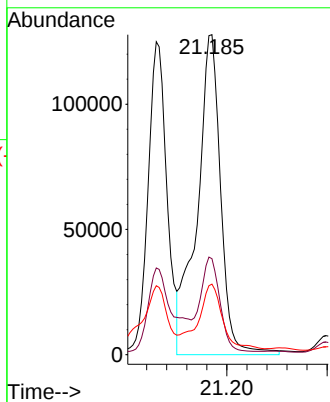
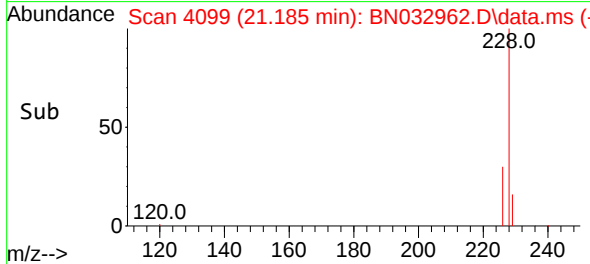
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:228 Resp: 209780
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.0 15.8 23.6

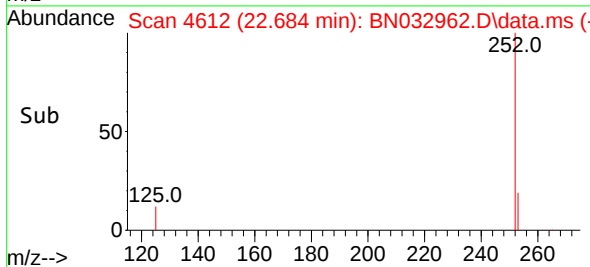
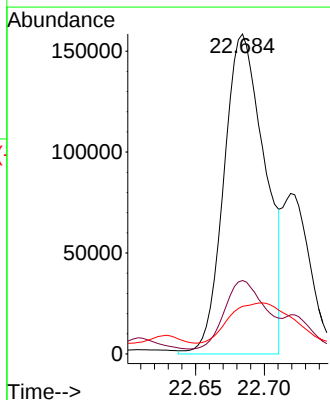
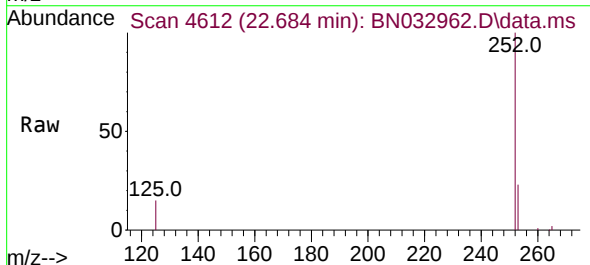
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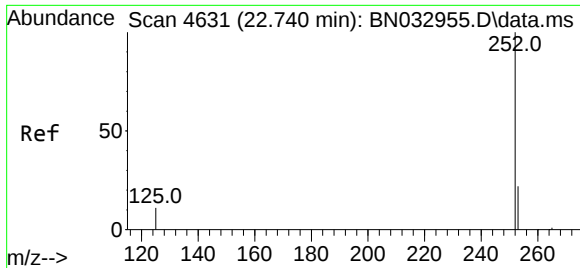
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#24
Benzo(b)fluoranthene
Concen: 6.998 ng/ul m
RT: 22.684 min Scan# 4612
Delta R.T. -0.015 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

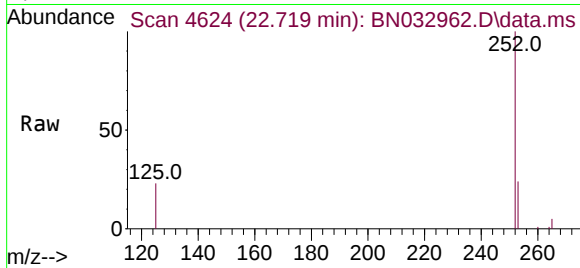
Tgt Ion:252 Resp: 328511
Ion Ratio Lower Upper
252 100
253 22.9 0.0 54.0
125 14.9 0.0 36.0





#25
Benzo(k)fluoranthene
Concen: 1.955 ng/ul m
RT: 22.719 min Scan# 4624
Delta R.T. -0.021 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

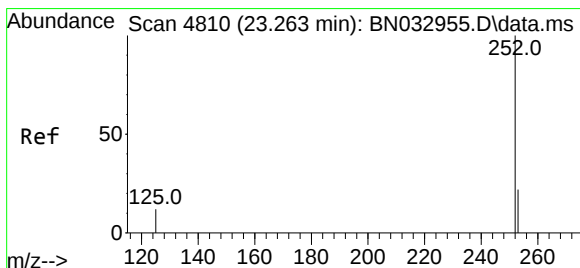
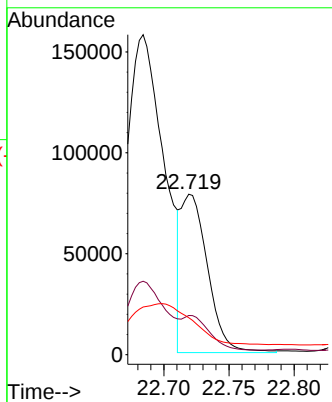
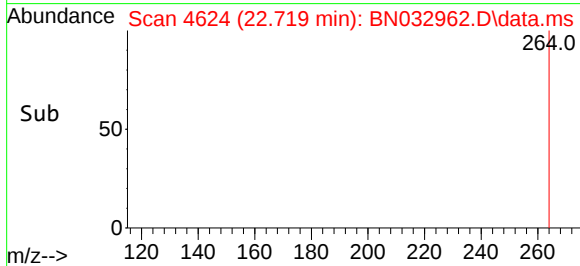
Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion:252 Resp: 11185
Ion Ratio Lower Upper
252 100
253 24.4 21.2 31.8
125 23.1 14.8 22.2

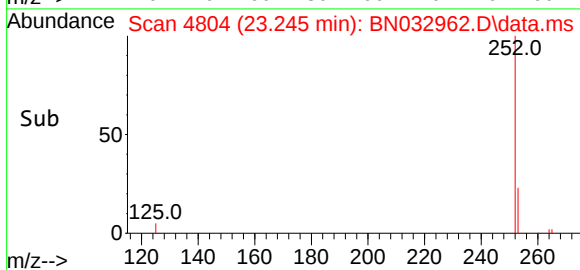
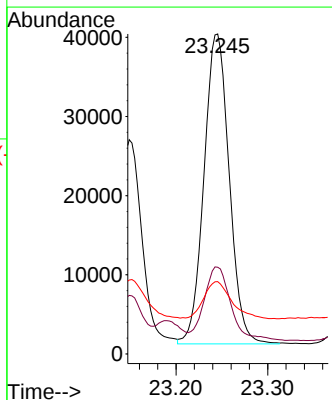
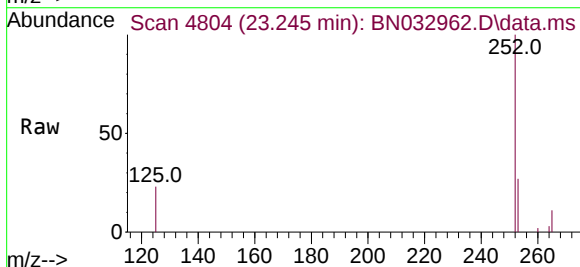
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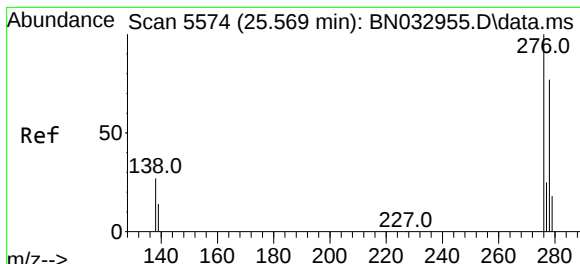
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#26
Benzo(a)pyrene
Concen: 1.845 ng/ul m
RT: 23.245 min Scan# 4804
Delta R.T. -0.018 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

Tgt Ion:252 Resp: 74969
Ion Ratio Lower Upper
252 100
253 27.1 25.4 38.0
125 22.6 20.6 30.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.932 ng/ul m

RT: 25.542 min Scan# 5566

Delta R.T. -0.027 min

Lab File: BN032962.D

Acq: 24 Jul 2024 23:49

Instrument :

BNA_N

ClientSampleId :

A4D43DL

Tgt Ion:276 Resp: 106278

Ion Ratio Lower Upper

276 100

138 0.0 21.6 32.4

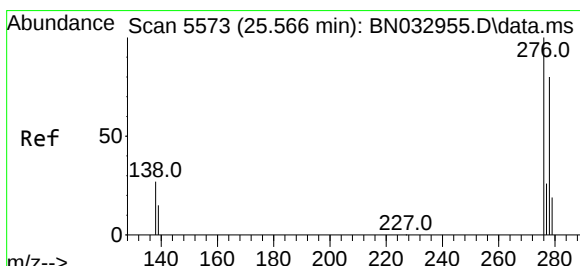
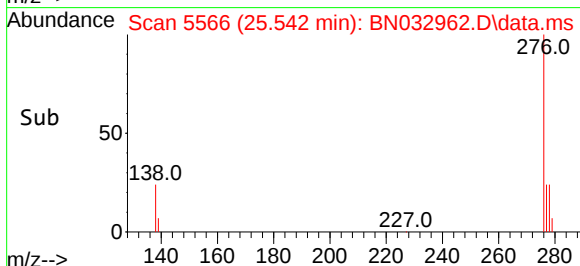
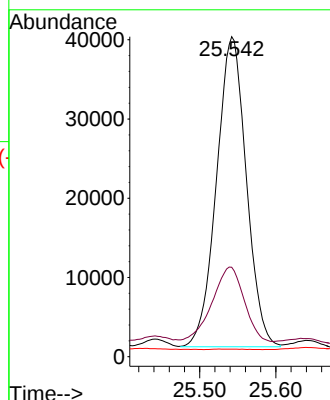
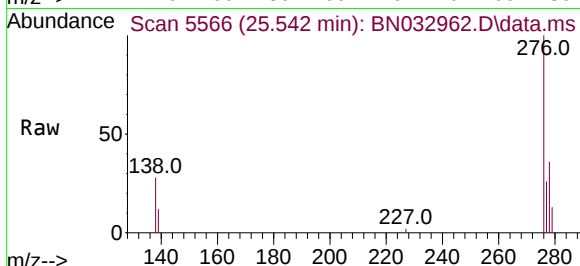
227 0.8 0.0 0.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/26/2024



#28

Dibenzo(a,h)anthracene

Concen: 1.152 ng/ul m

RT: 25.535 min Scan# 5564

Delta R.T. -0.034 min

Lab File: BN032962.D

Acq: 24 Jul 2024 23:49

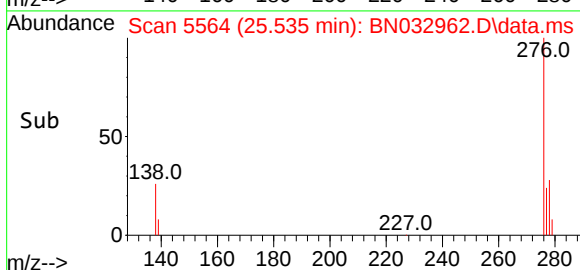
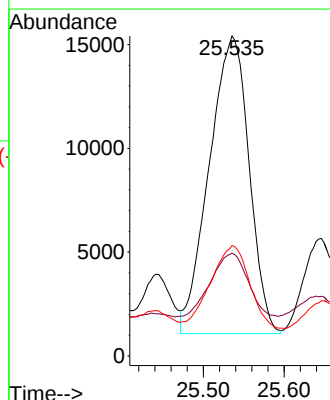
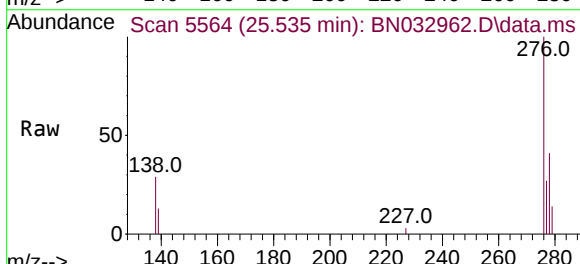
Tgt Ion:278 Resp: 49118

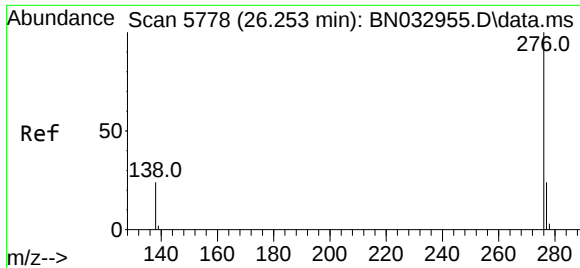
Ion Ratio Lower Upper

278 100

139 32.1 16.6 24.8

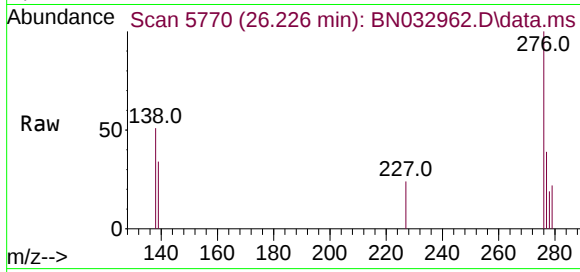
279 34.5 23.7 35.5





#29
Benzo(g,h,i)perylene
Concen: 0.311 ng/ul m
RT: 26.226 min Scan# 51
Delta R.T. -0.024 min
Lab File: BN032962.D
Acq: 24 Jul 2024 23:49

Instrument :
BNA_N
ClientSampleId :
A4D43DL



Tgt Ion: 276 Resp: 1430

Ion	Ratio	Lower	Upper
276	100		
138	50.5	21.0	31.4
277	38.8	20.6	31.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024

