

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
 Data File : BN032948.D
 Acq On : 24 Jul 2024 14:47
 Operator : MA/JU
 Sample : P3201-03DL 5X
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BY9DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 15:25:39 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	7.523	152	5150	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.294	136	17245	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.174	164	9623	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.940	188	15052	0.400	ng/ul	-0.02
17) Chrysene-d12	21.159	240	12151	0.400	ng/ul	# 0.00
23) Perylene-d12	23.351	264	15081	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	3089	0.500	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.911	152	965	0.037	ng/ul	-0.02
18) Fluoranthene-d10	18.980	212	1445	0.036	ng/ul	-0.02
Target Compounds						Qvalue
5) Naphthalene	10.343	128	3238	0.070	ng/ul#	92
7) 2-Methylnaphthalene	11.982	142	1209	0.042	ng/ul	98
8) 1-Methylnaphthalene	12.197	142	933	0.031	ng/ul	100
10) Acenaphthylene	13.897	152	5239	0.135	ng/ul	95
11) Acenaphthene	14.234	153	4277	0.133	ng/ul	99
12) Fluorene	15.238	166	4444	0.121	ng/ul	99
15) Phenanthrene	16.978	178	85128	2.077	ng/ul	99
16) Anthracene	17.075	178	16629	0.497	ng/ul	97
19) Fluoranthene	19.008	202	169690	3.435	ng/ul	99
20) Pyrene	19.375	202	92094	1.801	ng/ul	99
21) Benzo(a)anthracene	21.141	228	72477	1.874	ng/ul	98
22) Chrysene	21.194	228	86306m	1.542	ng/ul	
24) Benzo(b)fluoranthene	22.696	252	114006m	2.143	ng/ul	
25) Benzo(k)fluoranthene	22.734	252	44219m	0.682	ng/ul	
26) Benzo(a)pyrene	23.257	252	29241	0.635	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.562	276	32464	0.521	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.552	278	14265	0.295	ng/ul#	74
29) Benzo(g,h,i)perylene	26.246	276	4413	0.085	ng/ul#	39

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

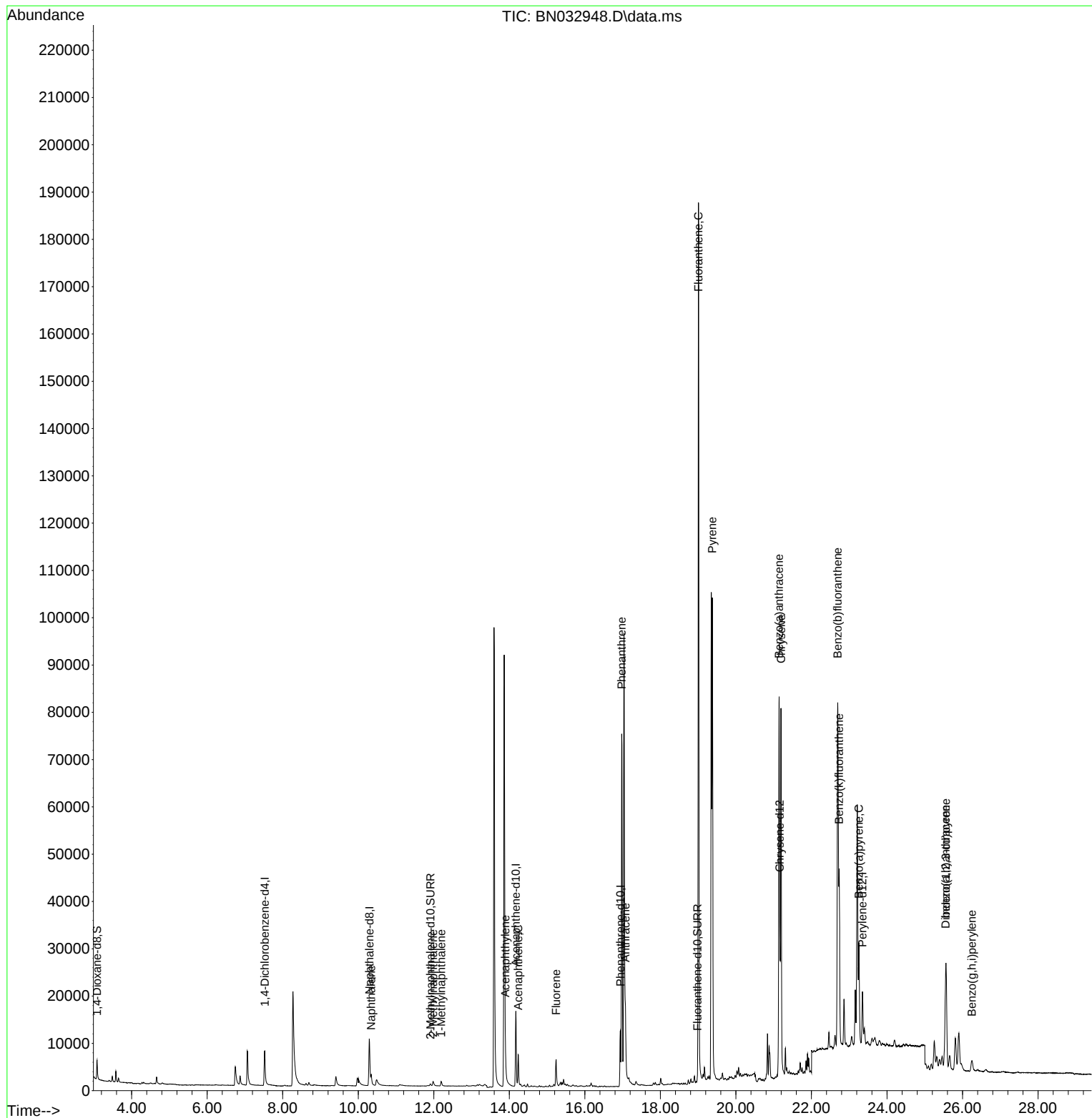
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072324\
Data File : BN032948.D
Acq On : 24 Jul 2024 14:47
Operator : MA/JU
Sample : P3201-03DL 5X
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ALS Vial : 59 Sample Multiplier: 1

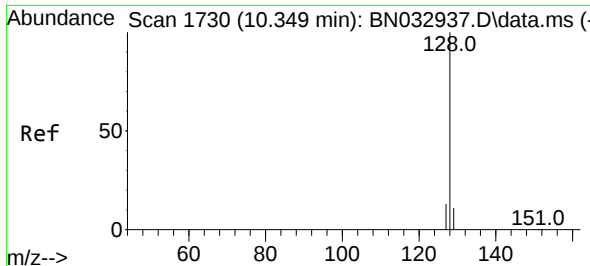
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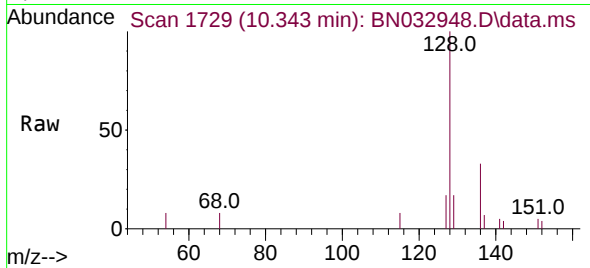
Quant Time: Jul 24 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.343 min Scan# 1729
Delta R.T. -0.021 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

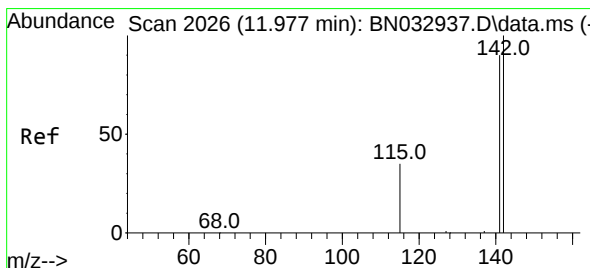
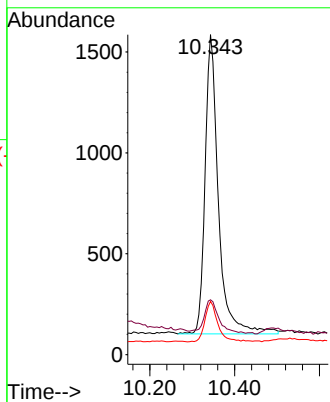
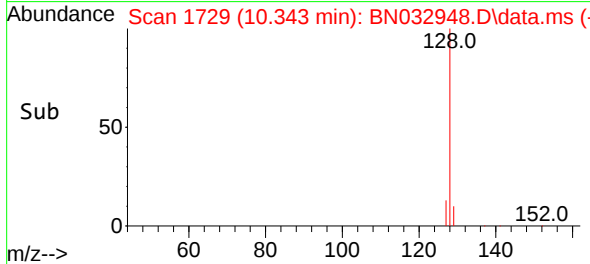
Instrument :
BNA_N
ClientSampleId :
A4BY9DL



Tgt Ion:128 Resp: 3238
Ion Ratio Lower Upper
128 100
129 17.2 10.0 15.0
127 16.6 11.6 17.4

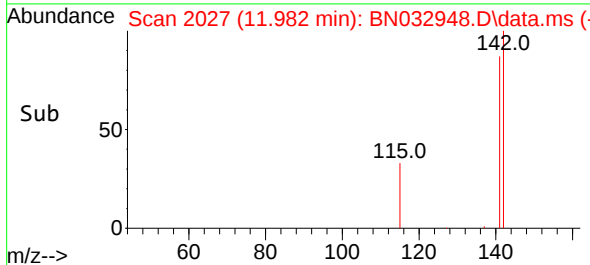
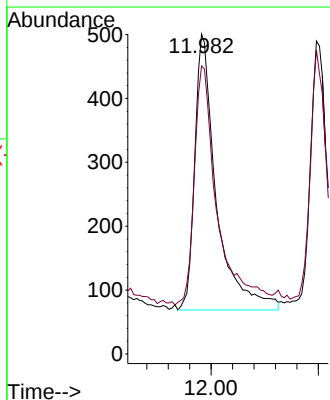
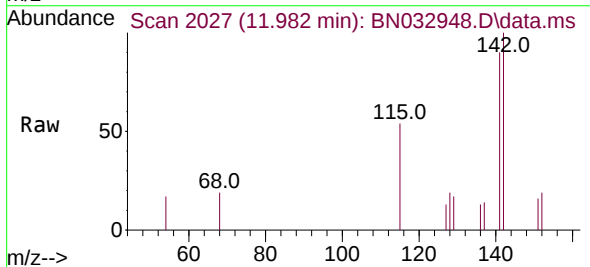
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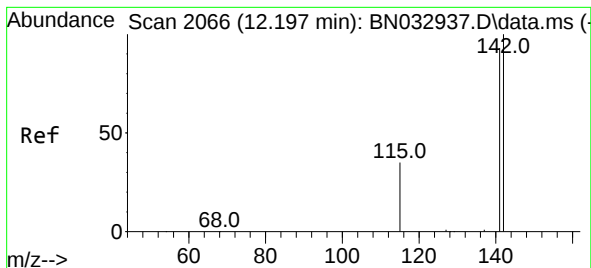
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#7
2-Methylnaphthalene
Concen: 0.042 ng/ul
RT: 11.982 min Scan# 2027
Delta R.T. -0.015 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

Tgt Ion:142 Resp: 1209
Ion Ratio Lower Upper
142 100
141 90.9 74.0 111.0





#8

1-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.197 min Scan# 2066

Delta R.T. -0.015 min

Lab File: BN032948.D

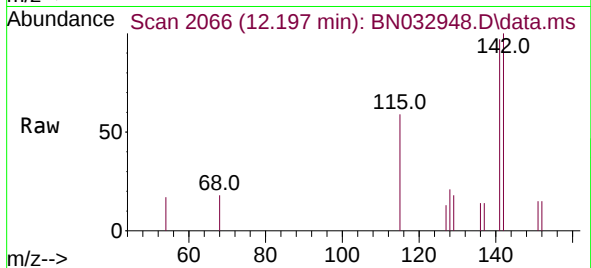
Acq: 24 Jul 2024 14:47

Instrument :

BNA_N

ClientSampleId :

A4BY9DL



Tgt Ion:142 Resp: 938

Ion Ratio Lower Upper

142 100

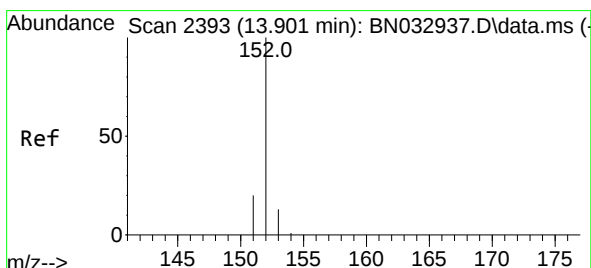
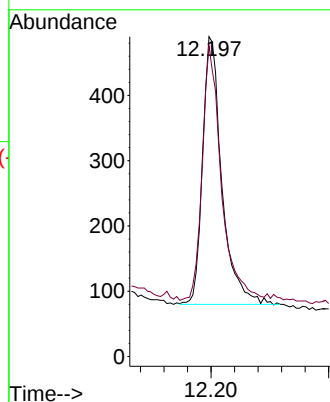
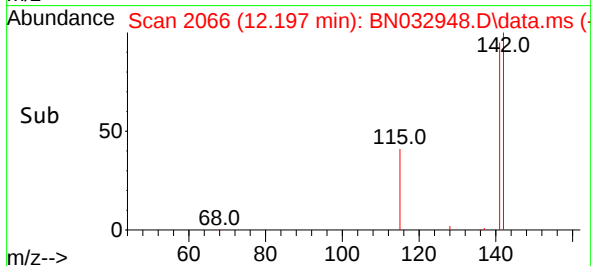
141 94.0 75.0 112.4

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#10

Acenaphthylene

Concen: 0.135 ng/ul

RT: 13.897 min Scan# 2392

Delta R.T. -0.017 min

Lab File: BN032948.D

Acq: 24 Jul 2024 14:47

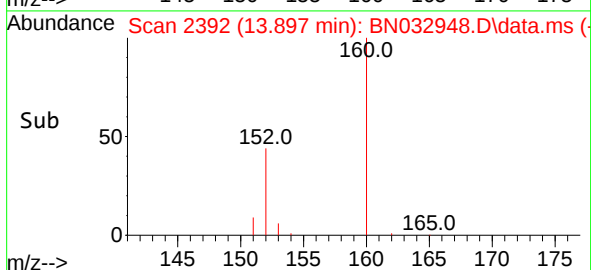
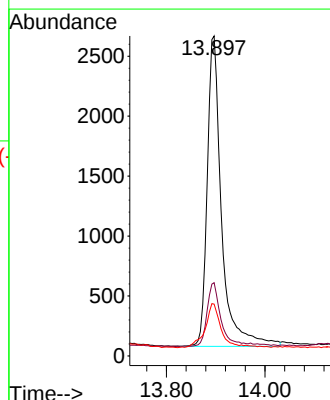
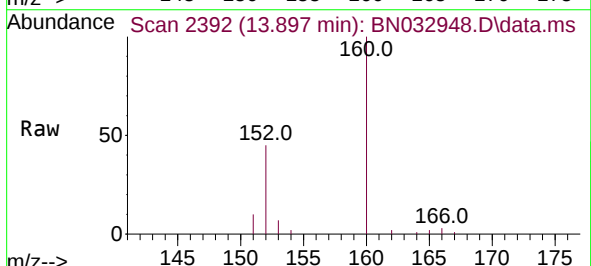
Tgt Ion:152 Resp: 5239

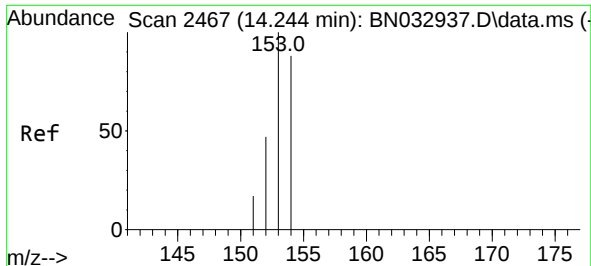
Ion Ratio Lower Upper

152 100

151 22.9 16.3 24.5

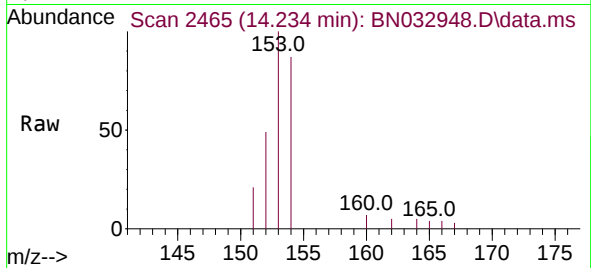
153 16.2 11.3 16.9





#11
Acenaphthene
Concen: 0.133 ng/ul
RT: 14.234 min Scan# 2465
Delta R.T. -0.017 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

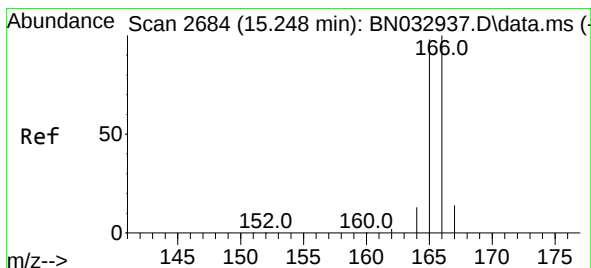
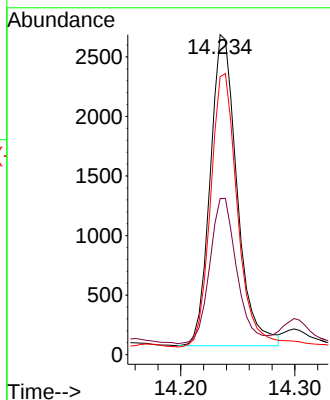
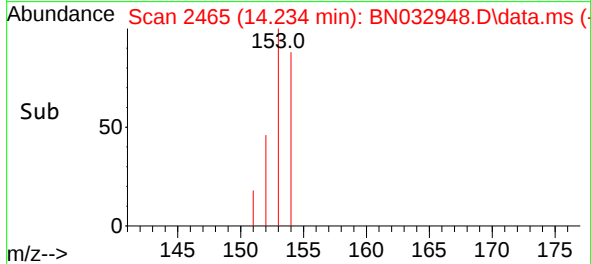
Instrument :
BNA_N
ClientSampleId :
A4BY9DL



Tgt Ion:153 Resp: 427
Ion Ratio Lower Upper
153 100
152 48.8 40.0 60.0
154 86.9 70.2 105.4

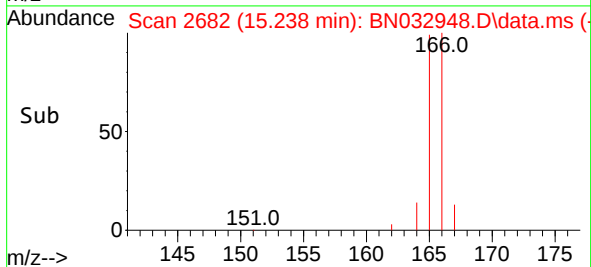
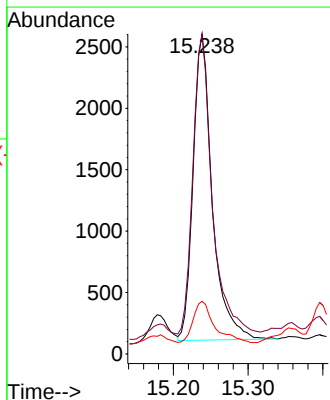
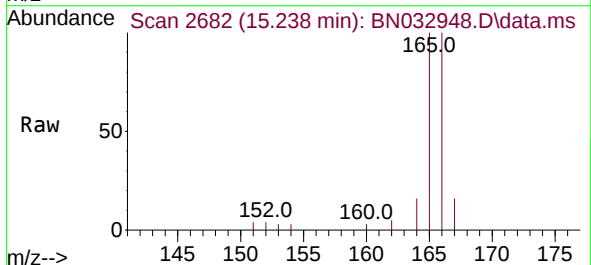
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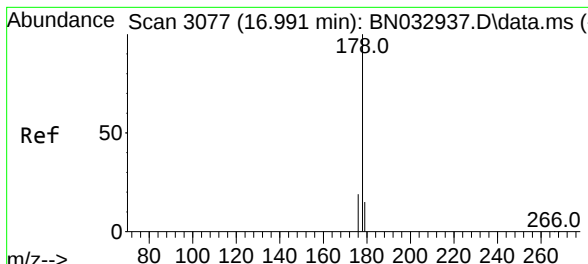
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#12
Fluorene
Concen: 0.121 ng/ul
RT: 15.238 min Scan# 2682
Delta R.T. -0.022 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

Tgt Ion:166 Resp: 4444
Ion Ratio Lower Upper
166 100
165 100.2 79.7 119.5
167 16.5 11.4 17.2





#15

Phenanthrene

Concen: 2.077 ng/u1

RT: 16.978 min Scan# 3074

Delta R.T. -0.024 min

Lab File: BN032948.D

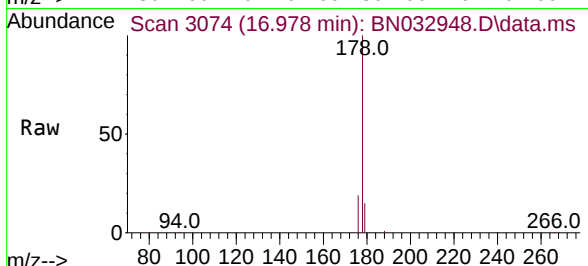
Acq: 24 Jul 2024 14:47

Instrument :

BNA_N

ClientSampleId :

A4BY9DL



Tgt Ion:178 Resp: 85128

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.4

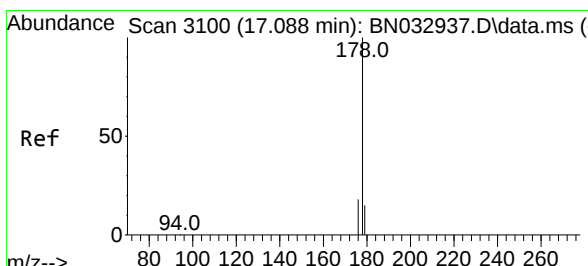
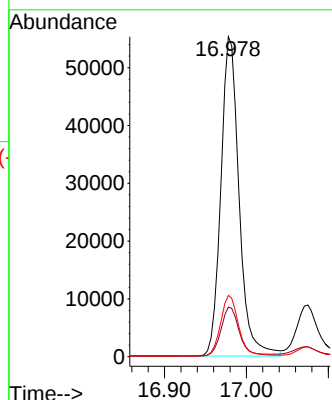
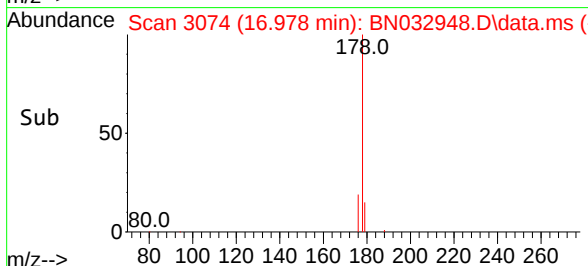
176 19.2 15.6 23.4

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Supervised By :mohammad ahmed 07/26/2024



#16

Anthracene

Concen: 0.497 ng/u1

RT: 17.075 min Scan# 3097

Delta R.T. -0.024 min

Lab File: BN032948.D

Acq: 24 Jul 2024 14:47

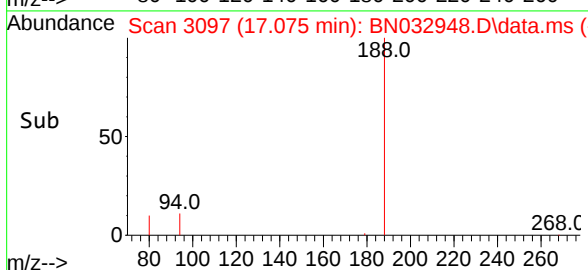
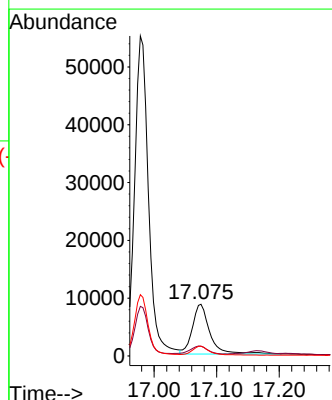
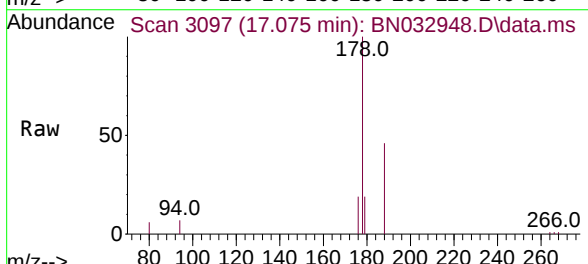
Tgt Ion:178 Resp: 16629

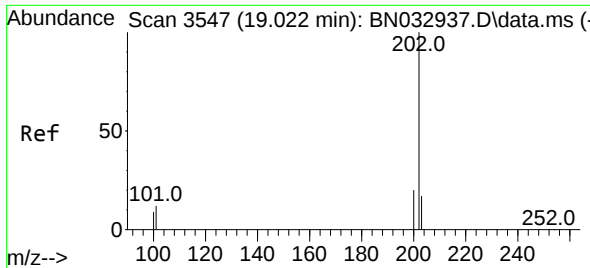
Ion Ratio Lower Upper

178 100

179 19.0 13.4 20.2

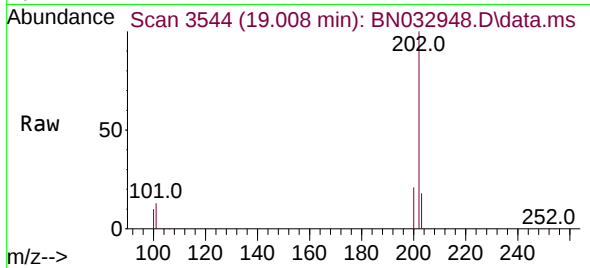
176 18.9 15.4 23.0





#19
Fluoranthene
Concen: 3.435 ng/ul
RT: 19.008 min Scan# 3544
Delta R.T. -0.017 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

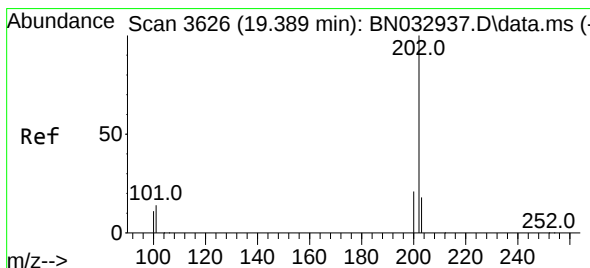
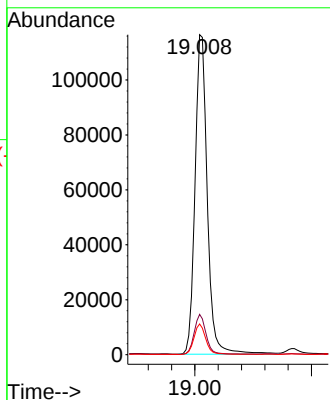
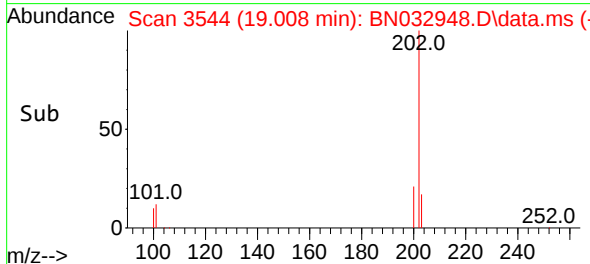
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BNA_N
ClientSampleId :
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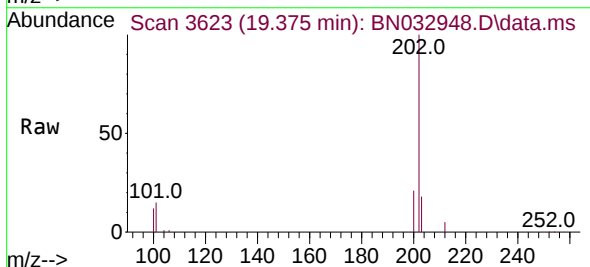
Tgt Ion:202 Resp: 169690
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.8
100 9.6 7.9 11.9

Manual Integrations
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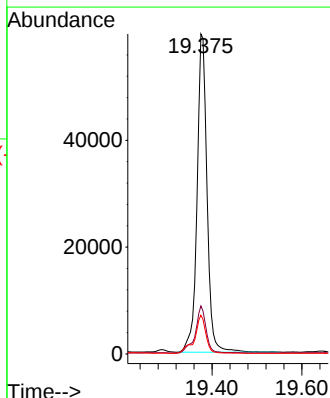
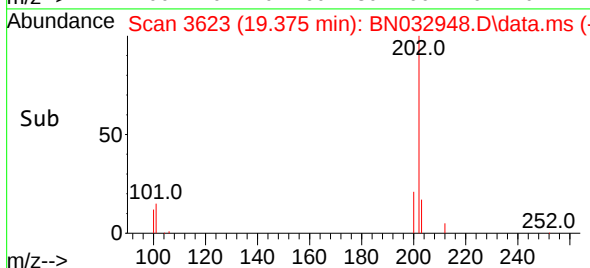
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Supervised By :mohammad ahmed 07/26/2024

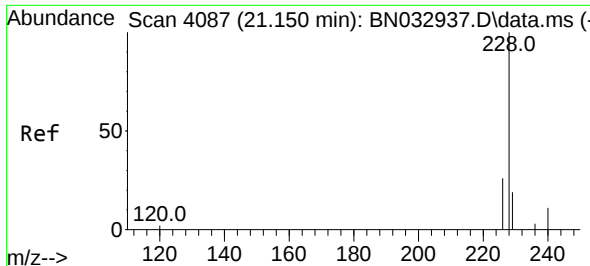


#20
Pyrene
Concen: 1.801 ng/ul
RT: 19.375 min Scan# 3623
Delta R.T. -0.017 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47



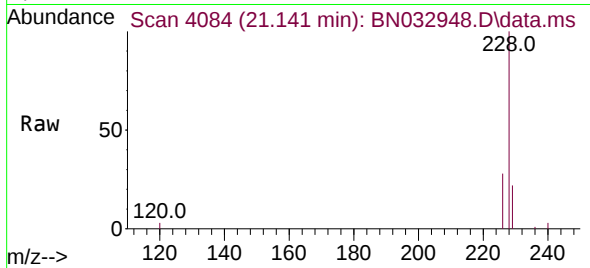
Tgt Ion:202 Resp: 92094
Ion Ratio Lower Upper
202 100
101 15.0 11.8 17.6
100 12.1 9.6 14.4





#21
Benzo(a)anthracene
Concen: 1.874 ng/ul
RT: 21.141 min Scan# 4087
Delta R.T. -0.009 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

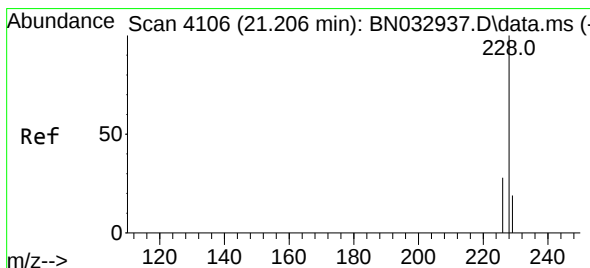
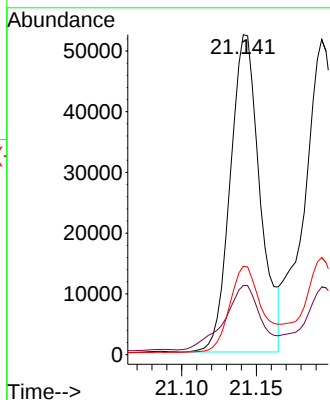
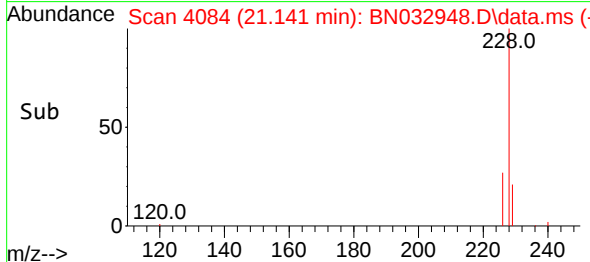
Instrument :
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Tgt Ion:228 Resp: 7247
Ion Ratio Lower Upper
228 100
229 21.7 16.1 24.1
226 27.6 21.9 32.9

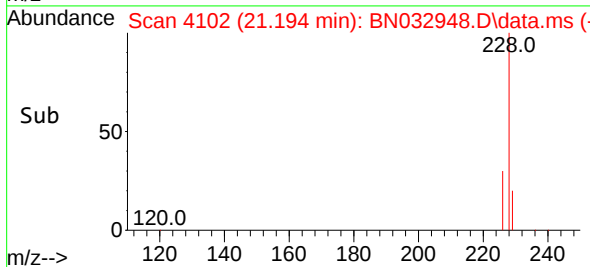
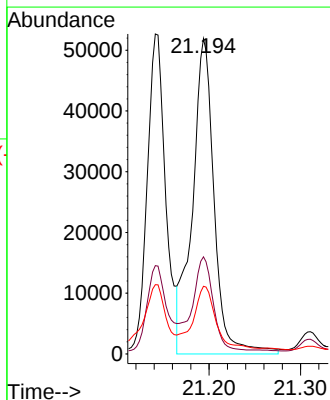
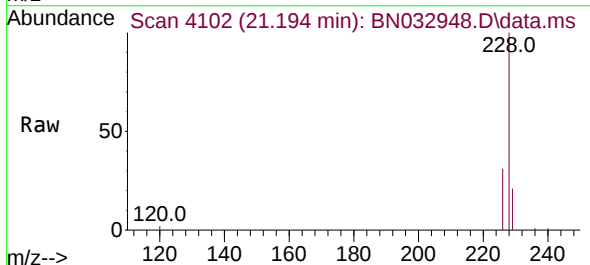
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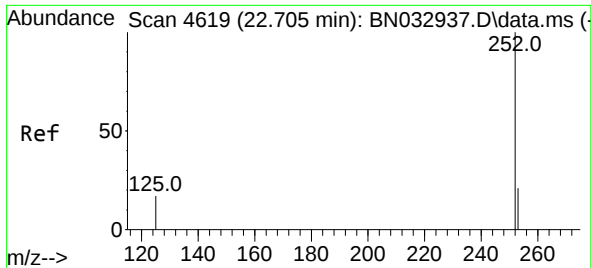
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#22
Chrysene
Concen: 1.542 ng/ul m
RT: 21.194 min Scan# 4102
Delta R.T. -0.009 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

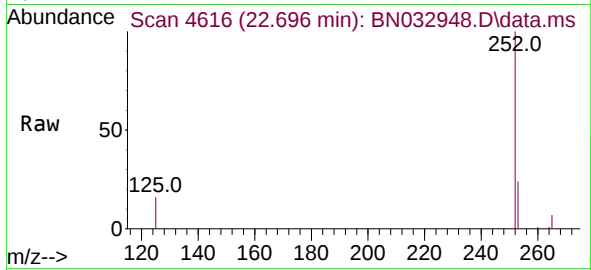
Tgt Ion:228 Resp: 86306
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 21.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.143 ng/ul m
RT: 22.696 min Scan# 4616
Delta R.T. -0.003 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

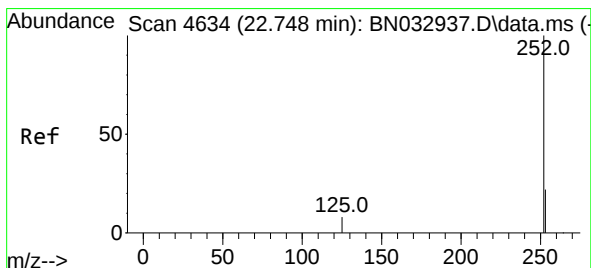
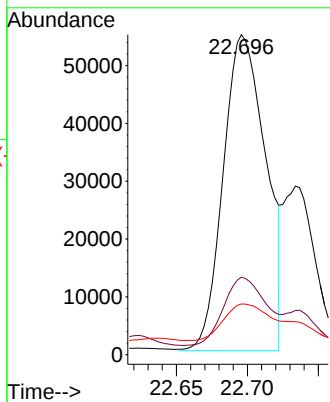
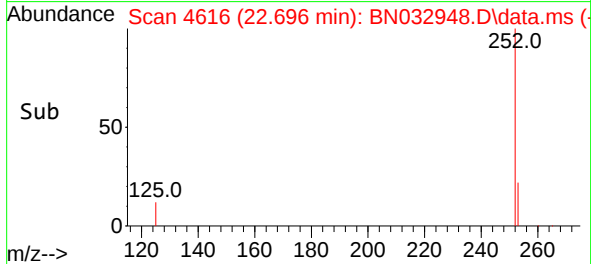
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:252 Resp: 114000
Ion Ratio Lower Upper
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253 24.2 0.0 54.0
125 15.8 0.0 36.0

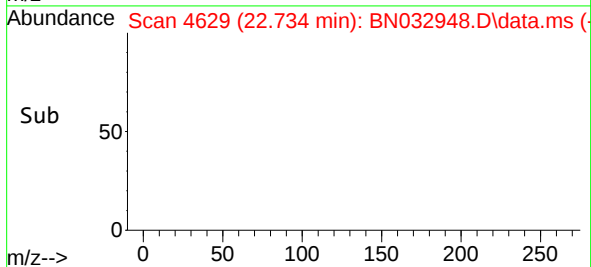
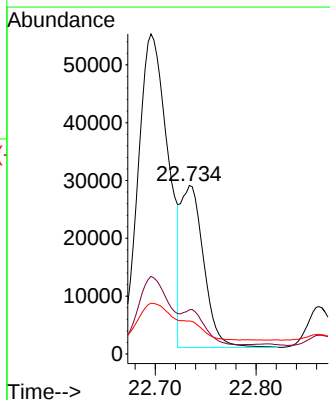
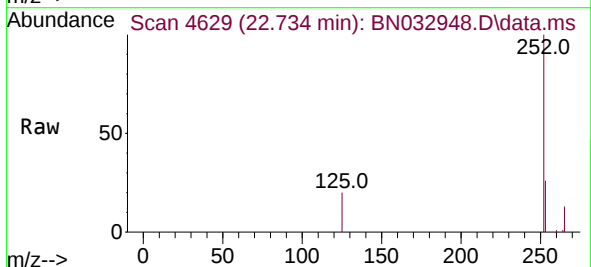
Manual Integrations
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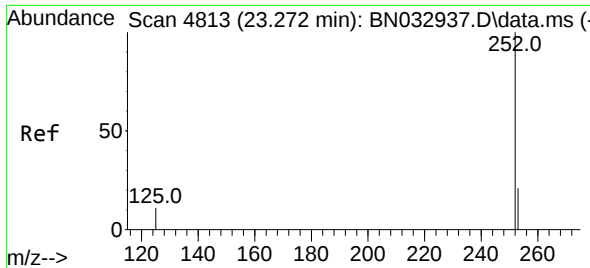
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#25
Benzo(k)fluoranthene
Concen: 0.682 ng/ul m
RT: 22.734 min Scan# 4629
Delta R.T. -0.006 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

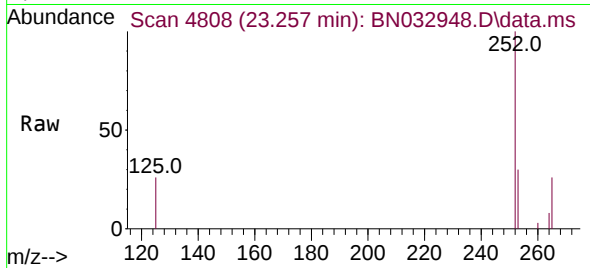
Tgt Ion:252 Resp: 44219
Ion Ratio Lower Upper
252 100
253 26.2 21.2 31.8
125 19.5 14.8 22.2





#26
Benzo(a)pyrene
Concen: 0.635 ng/ul
RT: 23.257 min Scan# 4808
Delta R.T. -0.006 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

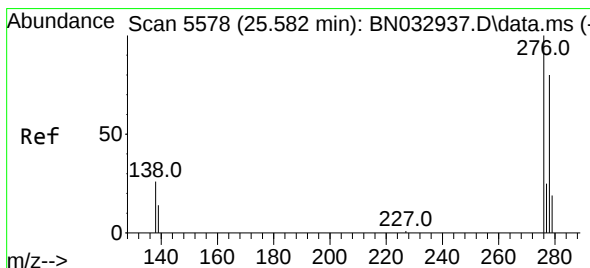
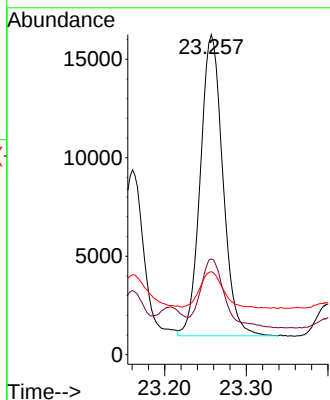
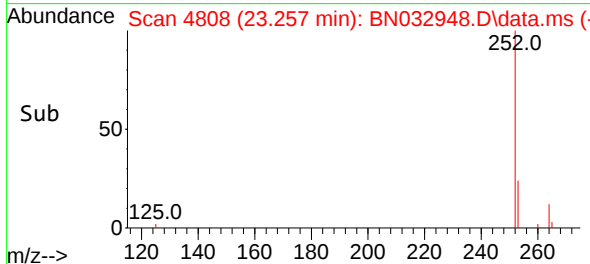
Instrument :
BNA_N
ClientSampleId :
A4BY9DL



Tgt Ion:252 Resp: 2924
Ion Ratio Lower Upper
252 100
253 29.9 25.4 38.0
125 26.0 20.6 30.8

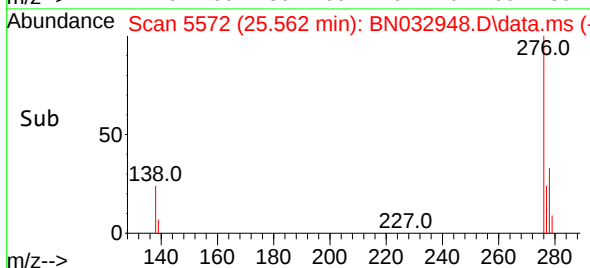
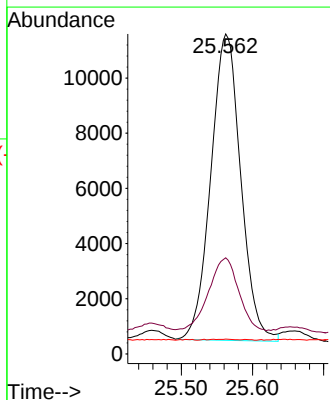
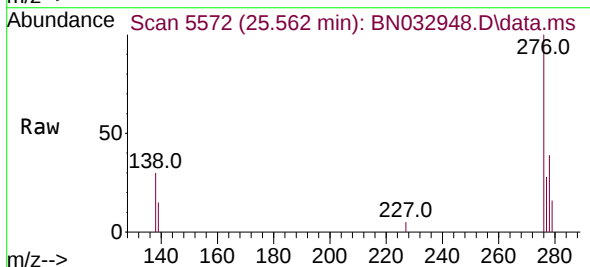
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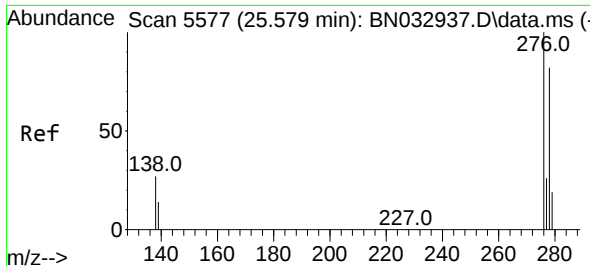
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/26/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.521 ng/ul
RT: 25.562 min Scan# 5572
Delta R.T. -0.007 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

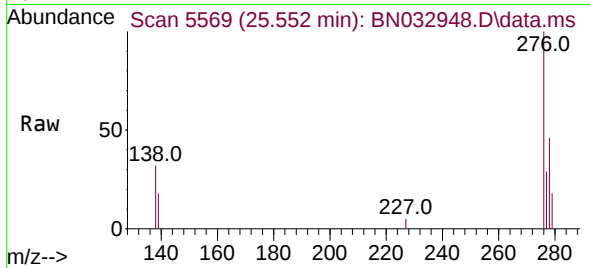
Tgt Ion:276 Resp: 32464
Ion Ratio Lower Upper
276 100
138 25.0 21.6 32.4
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.295 ng/ul
RT: 25.552 min Scan# 5569
Delta R.T. -0.017 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

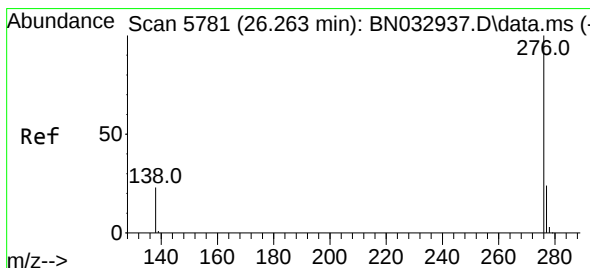
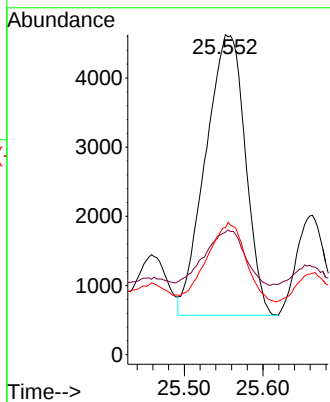
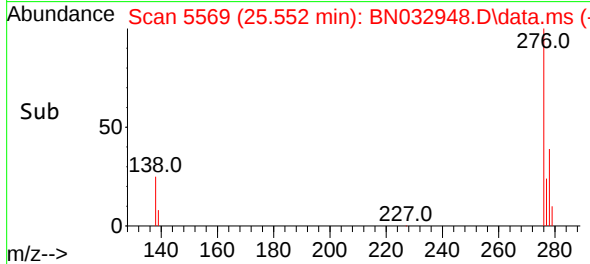
Instrument :
BNA_N
ClientSampleId :
A4BY9DL



Tgt Ion:278 Resp: 1426
Ion Ratio Lower Upper
278 100
139 38.2 16.6 24.8
279 39.6 23.7 35.5

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



#29
Benzo(g,h,i)perylene
Concen: 0.085 ng/ul
RT: 26.246 min Scan# 5776
Delta R.T. -0.004 min
Lab File: BN032948.D
Acq: 24 Jul 2024 14:47

Tgt Ion:276 Resp: 4413
Ion Ratio Lower Upper
276 100
138 64.0 21.0 31.4#
277 49.7 20.6 31.0#

