

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032841.D
 Acq On : 19 Jul 2024 15:11
 Operator : MA/JU
 Sample : P3238-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BE6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 15:36:44 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 : Wed Jul 17 02:35:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.531	152	3935	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.294	136	11712	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164	7170	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.940	188	13423m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.162	240	10328m	0.400	ng/ul	-0.01
23) Perylene-d12	23.354	264	20623m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.088	96	17657	3.737	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.899	152	4879	0.276	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212	10386m	0.309	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.343	128	274974	8.743	ng/ul	96
7) 2-Methylnaphthalene	11.971	142	91660	4.669	ng/ul	97
8) 1-Methylnaphthalene	12.196	142	76187	3.753	ng/ul	99
10) Acenaphthylene	13.901	152	79740	2.753	ng/ul	99
11) Acenaphthene	14.239	153	338245	14.120	ng/ul	99
12) Fluorene	15.238	166	380693	13.902	ng/ul	98
14) Pentachlorophenol	16.619	266	129m	0.055	ng/ul	
15) Phenanthrene	16.990	178	5257716m	143.824	ng/ul	
16) Anthracene	17.075	178	1402991m	46.976	ng/ul	
19) Fluoranthene	19.022	202	6457133m	153.772	ng/ul	
20) Pyrene	19.389	202	4905322m	112.857	ng/ul	
21) Benzo(a)anthracene	21.147	228	3076470m	93.580	ng/ul	
22) Chrysene	21.200	228	2998028m	63.039	ng/ul	
24) Benzo(b)fluoranthene	22.704	252	3775050m	51.880	ng/ul	
25) Benzo(k)fluoranthene	22.740	252	1501100m	16.928	ng/ul	
26) Benzo(a)pyrene	23.260	252	1639709m	26.039	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.565	276	1458875m	17.110	ng/ul	
28) Dibenzo(a,h)anthracene	25.562	278	586559m	8.875	ng/ul	
29) Benzo(g,h,i)perylene	26.240	276	208896m	2.931	ng/ul	

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

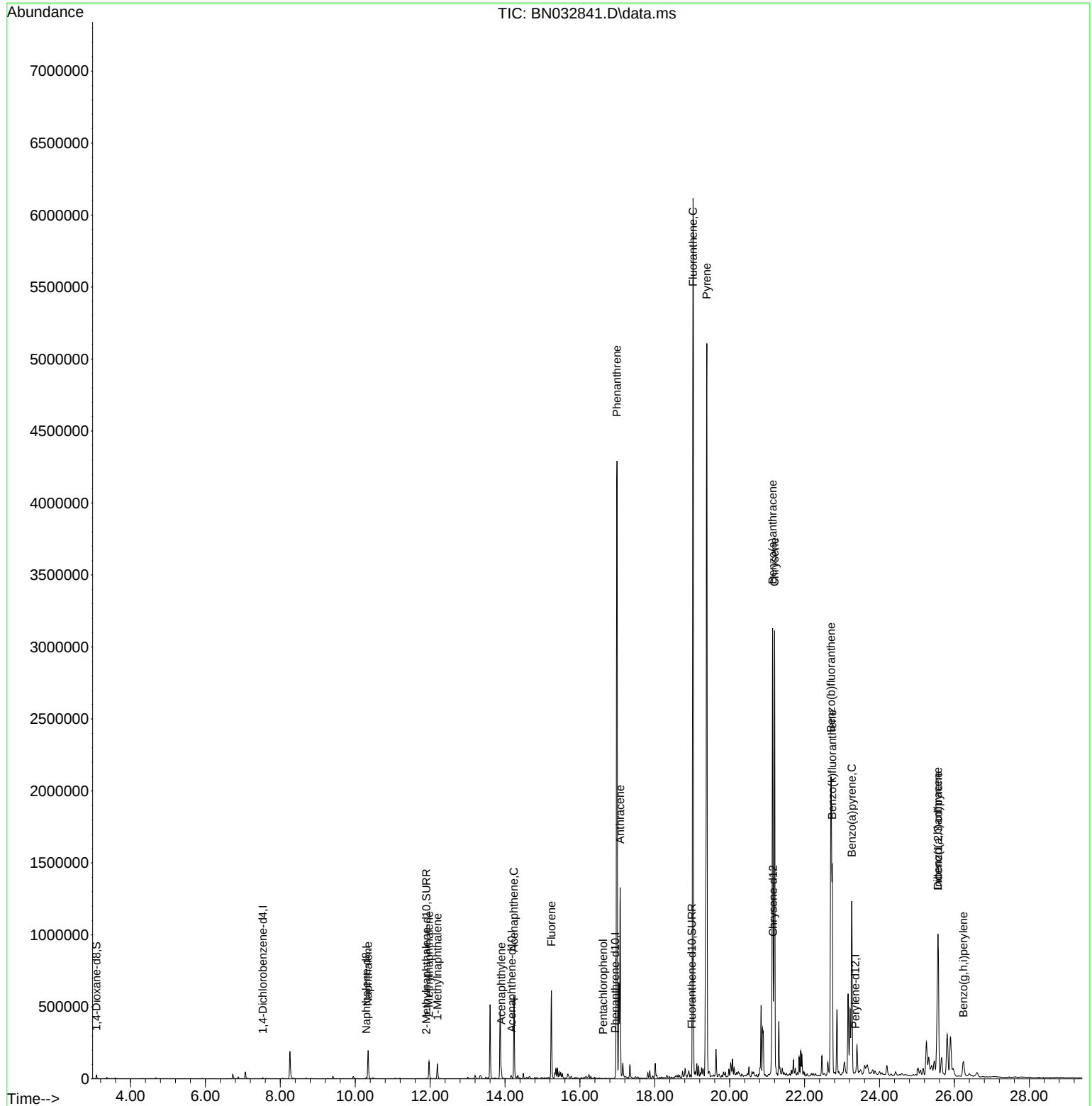
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032841.D
Acq On : 19 Jul 2024 15:11
Operator : MA/JU
Sample : P3238-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

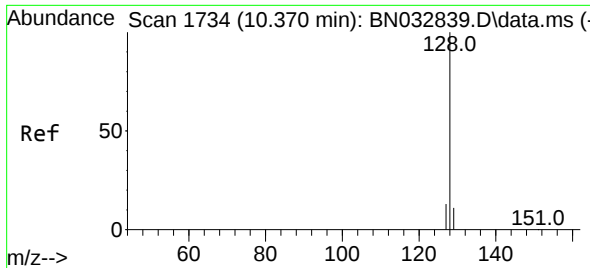
Instrument :
BNA_N
ClientSampleId :
A4BE6

Manual Integrations
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

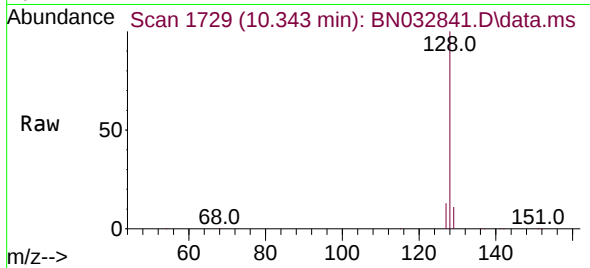
Quant Time: Jul 19 15:36:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 8.743 ng/ul
RT: 10.343 min Scan# 11
Delta R.T. -0.028 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

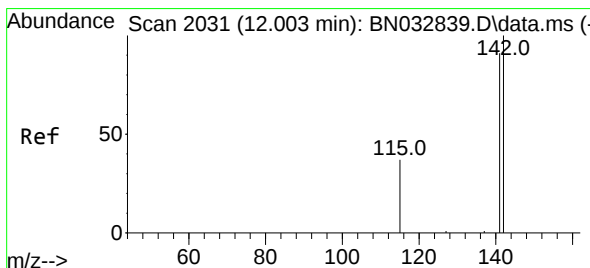
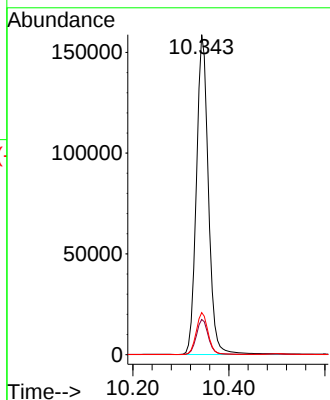
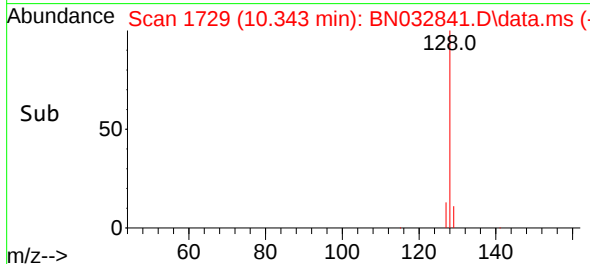
Instrument :
BNA_N
ClientSampleId :
A4BE6



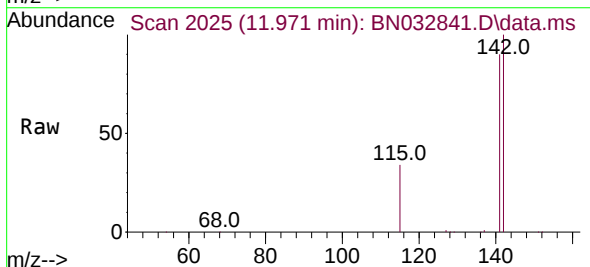
Tgt Ion:128 Resp: 274974
Ion Ratio Lower Upper
128 100
129 11.0 10.0 15.0
127 13.1 11.6 17.4

Manual Integrations
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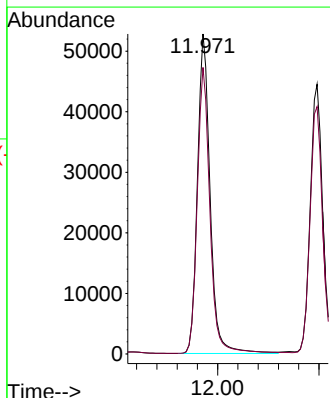
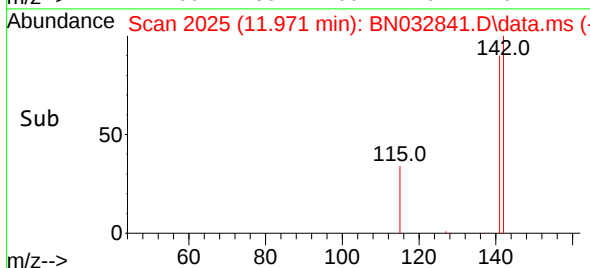
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

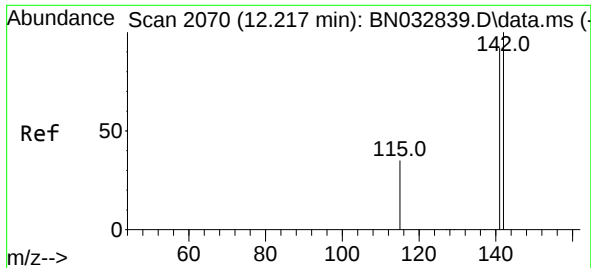


#7
2-Methylnaphthalene
Concen: 4.669 ng/ul
RT: 11.971 min Scan# 2025
Delta R.T. -0.033 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11



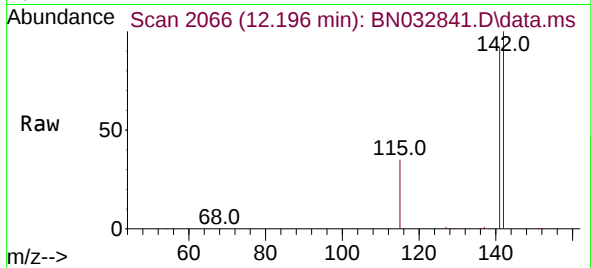
Tgt Ion:142 Resp: 91660
Ion Ratio Lower Upper
142 100
141 89.7 74.0 111.0





#8
1-Methylnaphthalene
Concen: 3.753 ng/ul
RT: 12.196 min Scan# 2066
Delta R.T. -0.022 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

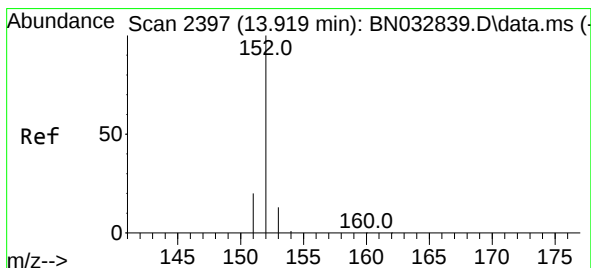
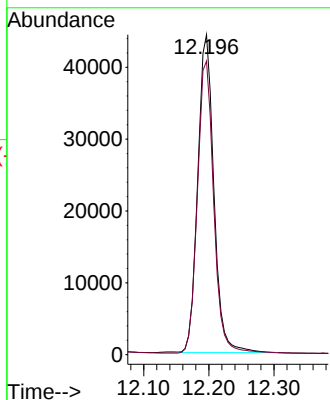
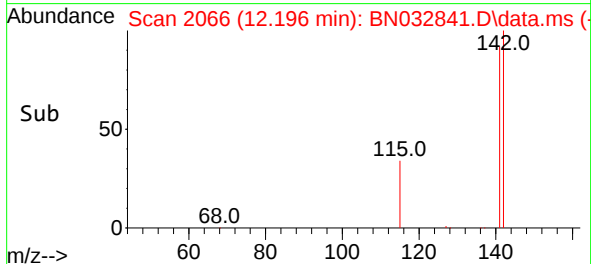
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:142 Resp: 7618
Ion Ratio Lower Upper
142 100
141 93.0 75.0 112.4

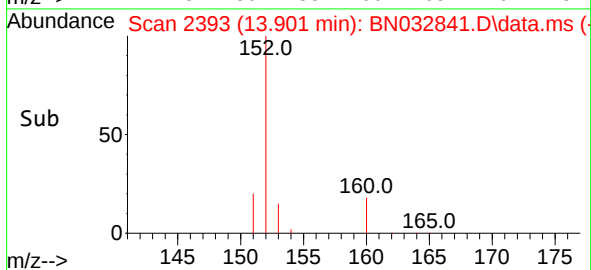
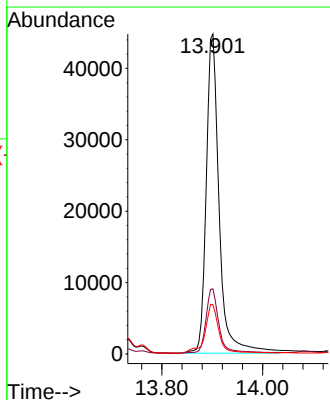
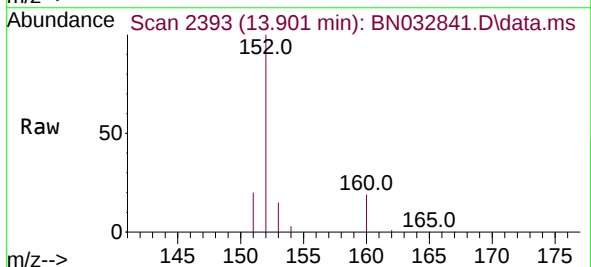
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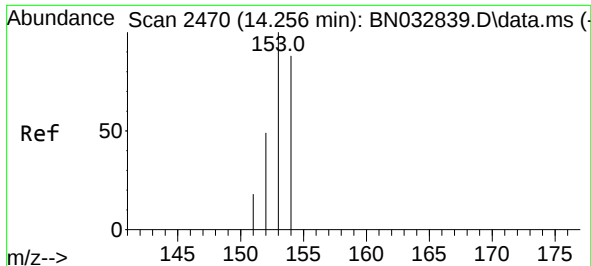
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#10
Acenaphthylene
Concen: 2.753 ng/ul
RT: 13.901 min Scan# 2393
Delta R.T. -0.019 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

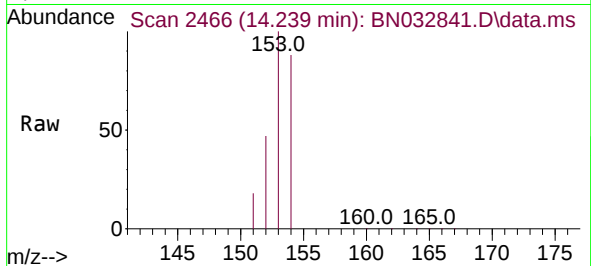
Tgt Ion:152 Resp: 79740
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 15.4 11.3 16.9





#11
Acenaphthene
Concen: 14.120 ng/ul
RT: 14.239 min Scan# 2466
Delta R.T. -0.019 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

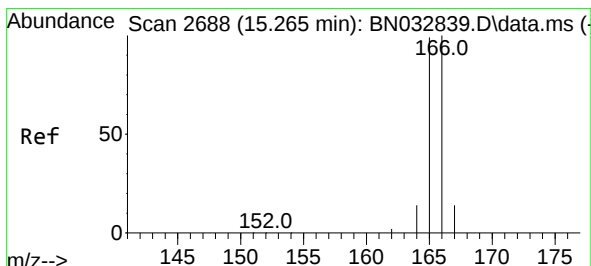
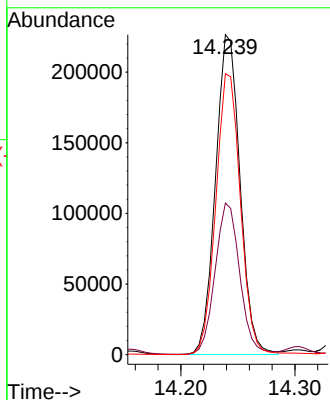
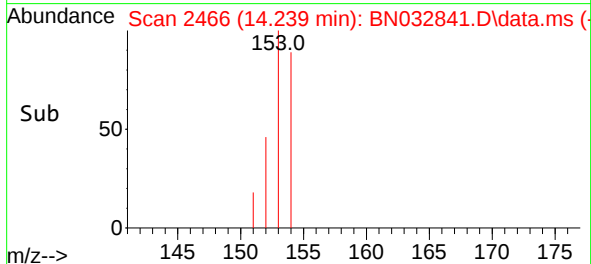
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:153 Resp: 338249
Ion Ratio Lower Upper
153 100
152 47.4 40.0 60.0
154 87.8 70.2 105.4

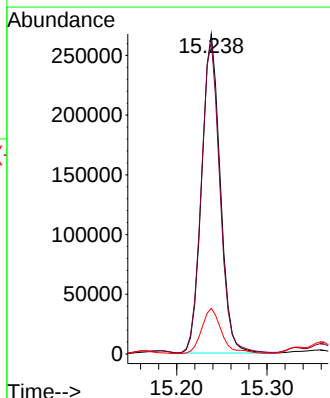
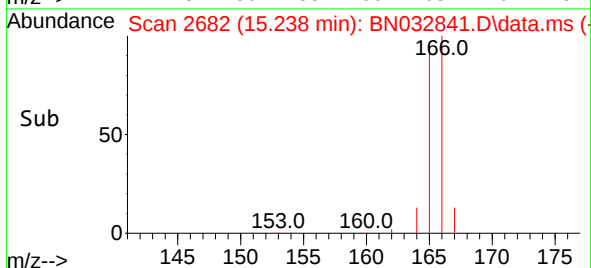
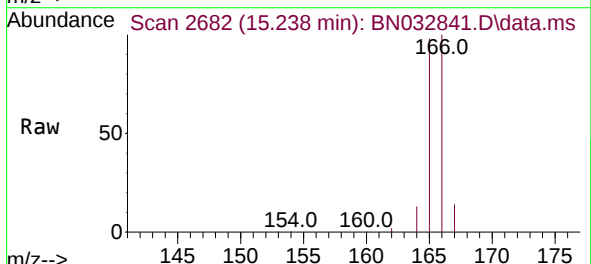
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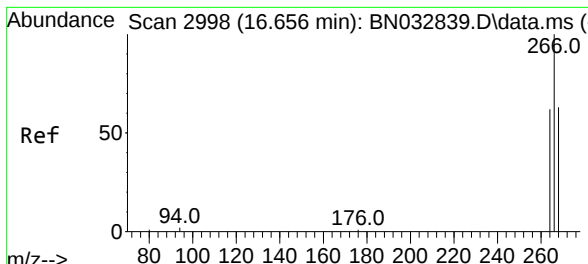
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#12
Fluorene
Concen: 13.902 ng/ul
RT: 15.238 min Scan# 2682
Delta R.T. -0.028 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

Tgt Ion:166 Resp: 380693
Ion Ratio Lower Upper
166 100
165 97.8 79.7 119.5
167 14.3 11.4 17.2





#14
 Pentachlorophenol
 Concen: 0.055 ng/ul m
 RT: 16.619 min Scan# 2998
 Delta R.T. -0.030 min
 Lab File: BN032841.D
 Acq: 19 Jul 2024 15:11

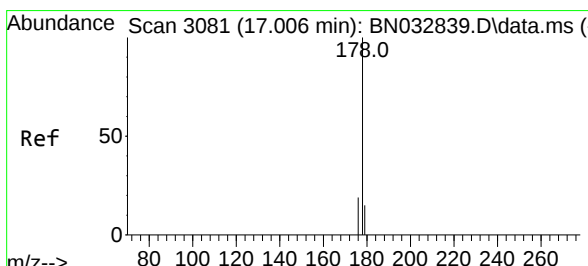
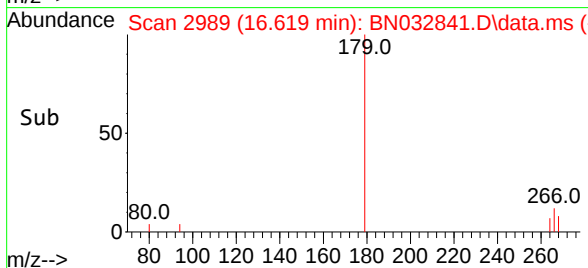
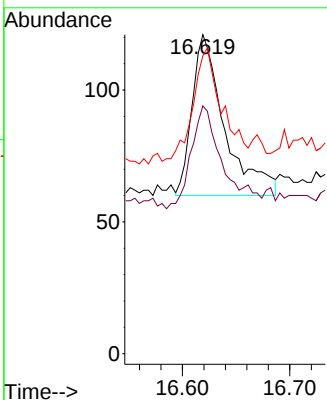
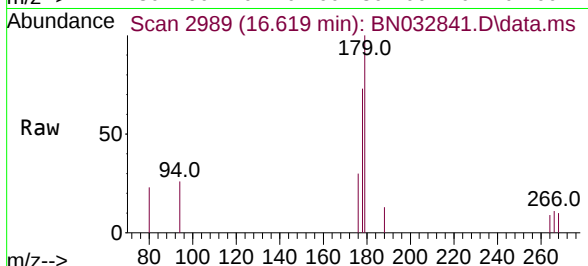
Instrument :
 BNA_N
 ClientSampleId :
 A4BE6

Tgt Ion:266 Resp: 129

Ion	Ratio	Lower	Upper
266	100		
264	1.6	49.4	74.2
268	0.0	51.6	77.4

Manual Integrations
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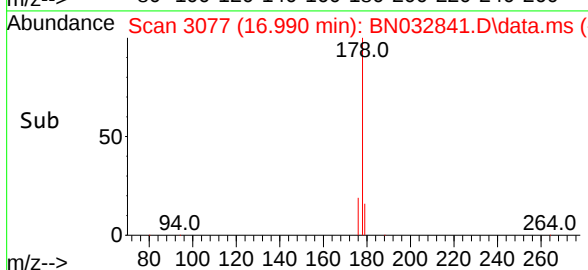
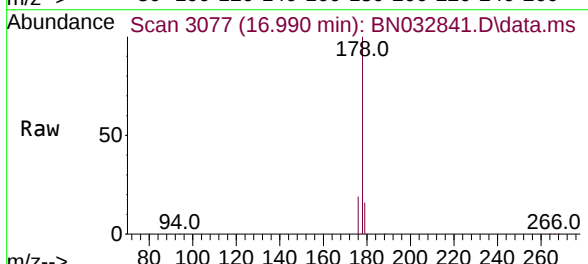
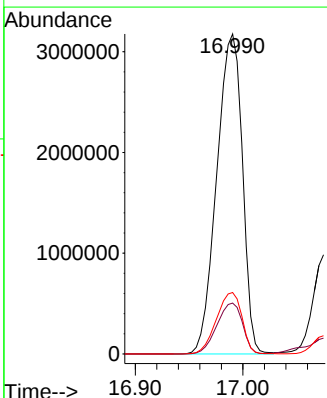
Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024

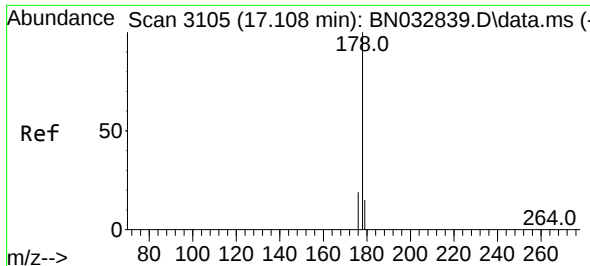


#15
 Phenanthrene
 Concen: 143.824 ng/ul m
 RT: 16.990 min Scan# 3077
 Delta R.T. -0.017 min
 Lab File: BN032841.D
 Acq: 19 Jul 2024 15:11

Tgt Ion:178 Resp: 5257716

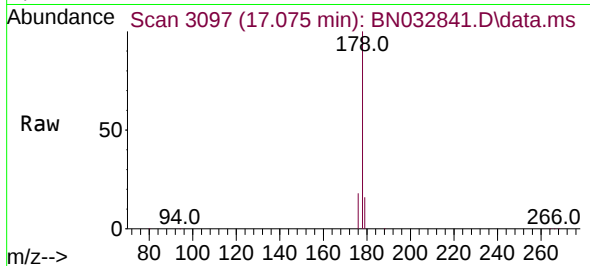
Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.0	19.4
176	19.2	15.6	23.4





#16
Anthracene
Concen: 46.976 ng/ul m
RT: 17.075 min Scan# 3097
Delta R.T. -0.030 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

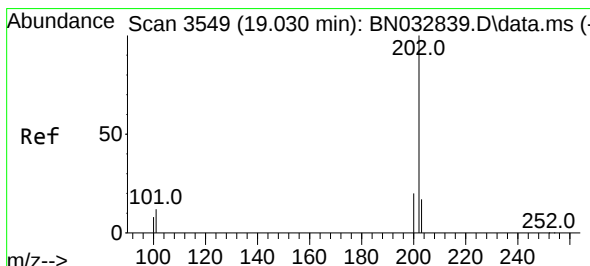
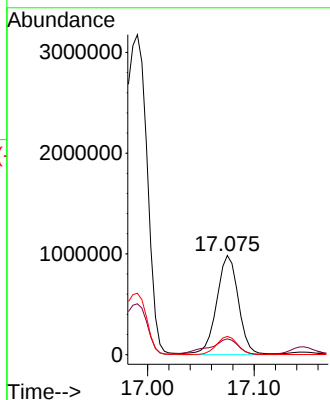
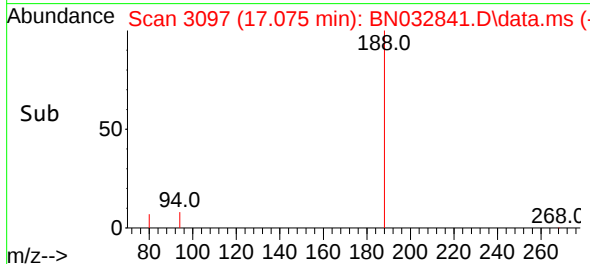
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:178 Resp: 140299
Ion Ratio Lower Upper
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179 16.0 13.4 20.2
176 18.4 15.4 23.0

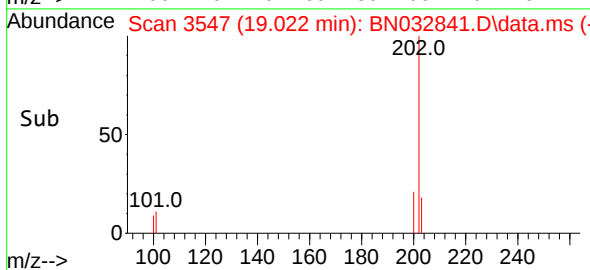
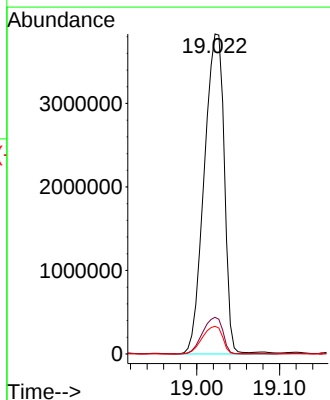
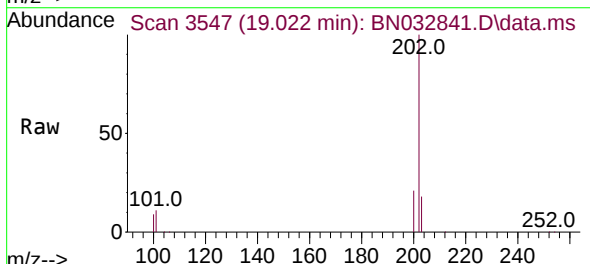
Manual Integrations
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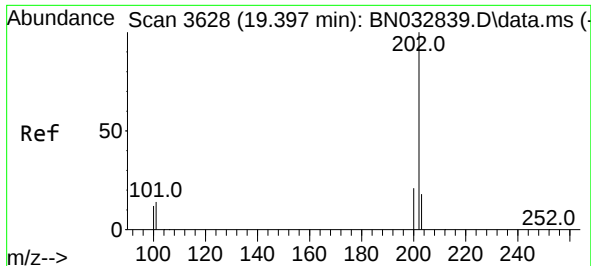
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#19
Fluoranthene
Concen: 153.772 ng/ul m
RT: 19.022 min Scan# 3547
Delta R.T. -0.010 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

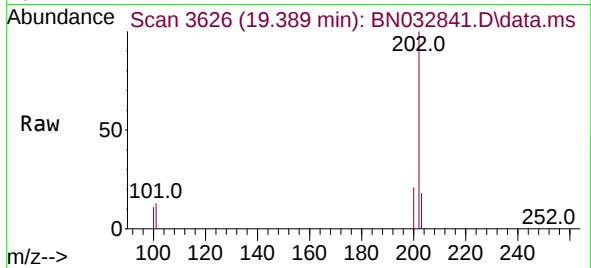
Tgt Ion:202 Resp: 6457133
Ion Ratio Lower Upper
202 100
101 11.4 9.8 14.8
100 8.7 7.9 11.9





#20
Pyrene
Concen: 112.857 ng/ul m
RT: 19.389 min Scan# 30
Delta R.T. -0.010 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

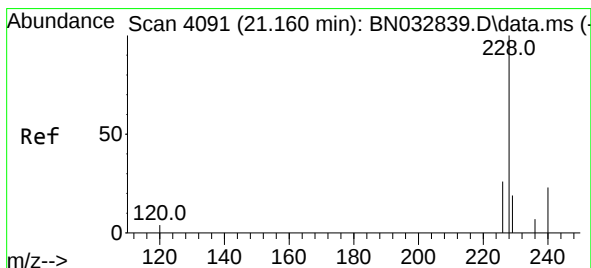
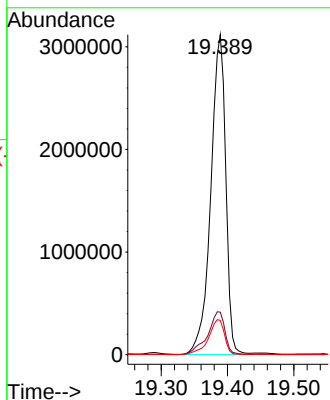
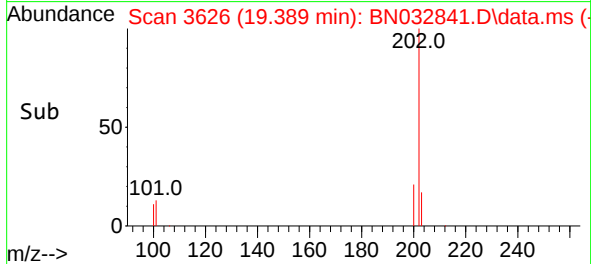
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:202 Resp: 490532
Ion Ratio Lower Upper
202 100
101 13.3 11.8 17.6
100 10.7 9.6 14.4

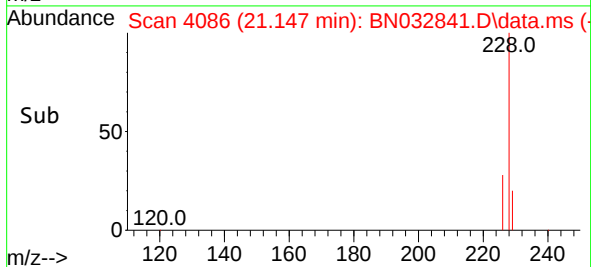
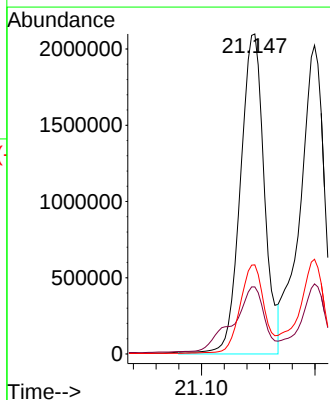
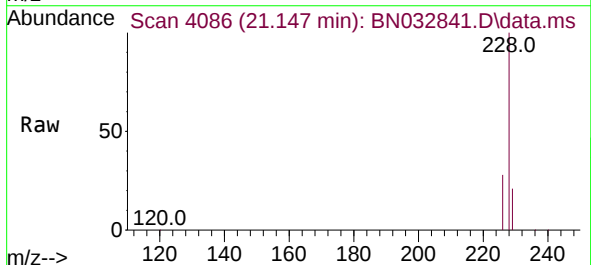
Manual Integrations
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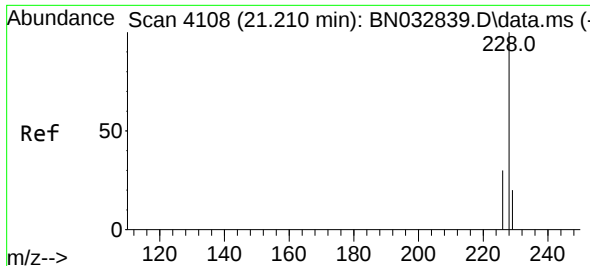
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#21
Benzo(a)anthracene
Concen: 93.580 ng/ul m
RT: 21.147 min Scan# 4086
Delta R.T. -0.012 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

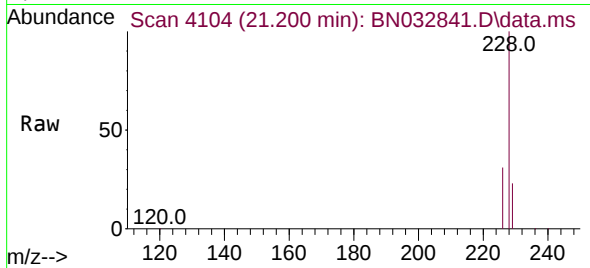
Tgt Ion:228 Resp: 3076470
Ion Ratio Lower Upper
228 100
229 21.0 16.1 24.1
226 27.8 21.9 32.9





#22
Chrysene
Concen: 63.039 ng/ul m
RT: 21.200 min Scan# 4108
Delta R.T. -0.012 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

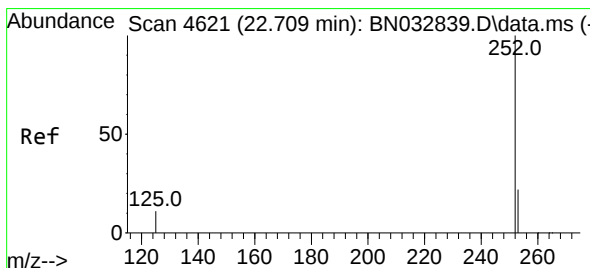
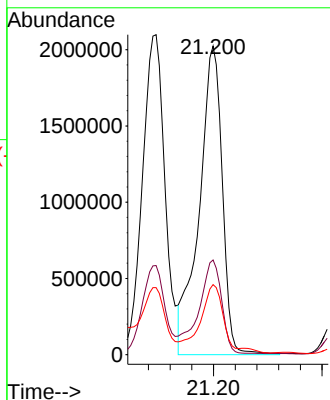
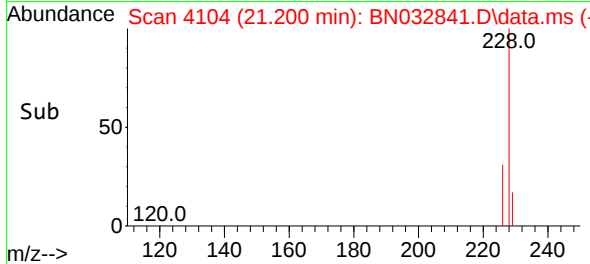
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:228 Resp: 2998028
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.7 15.8 23.6

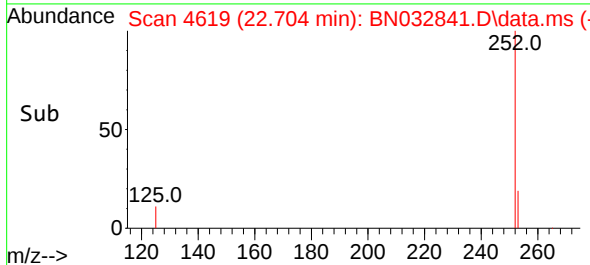
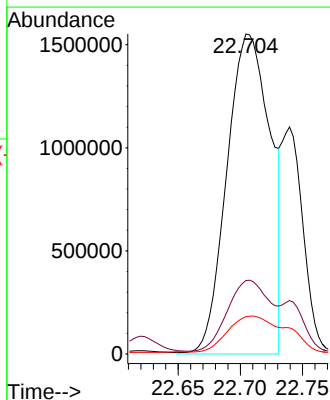
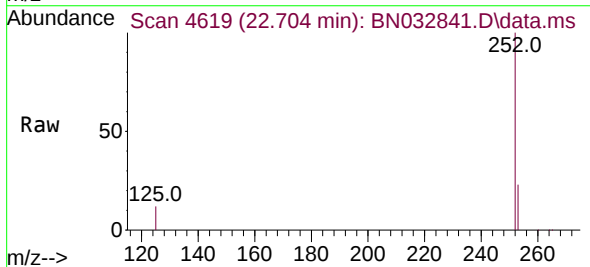
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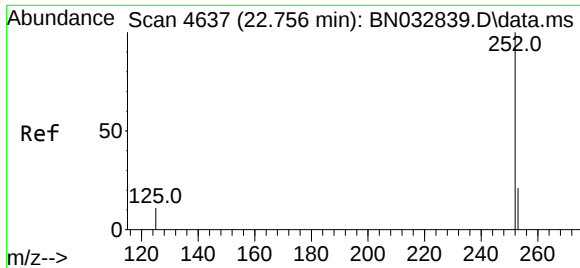
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#24
Benzo(b)fluoranthene
Concen: 51.880 ng/ul m
RT: 22.704 min Scan# 4619
Delta R.T. -0.006 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

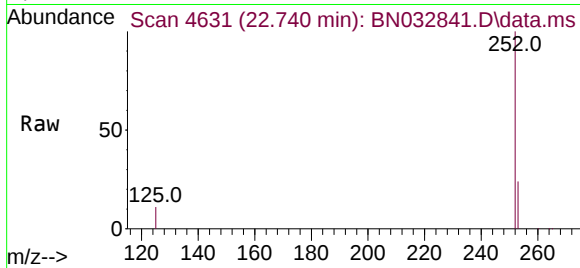
Tgt Ion:252 Resp: 3775050
Ion Ratio Lower Upper
252 100
253 22.9 0.0 54.0
125 11.7 0.0 36.0





#25
Benzo(k)fluoranthene
Concen: 16.928 ng/ul m
RT: 22.740 min Scan# 4631
Delta R.T. -0.015 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

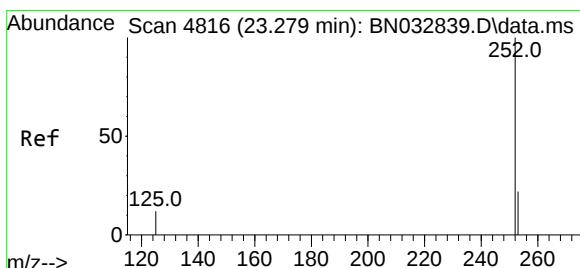
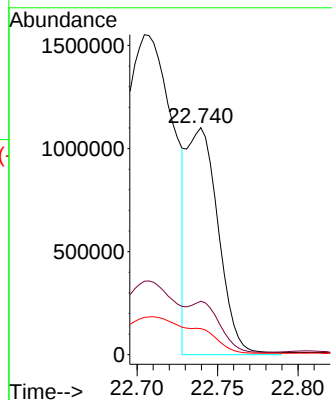
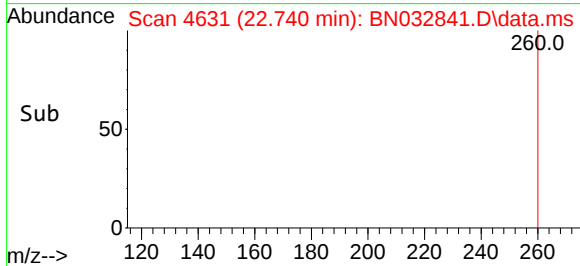
Instrument :
BNA_N
ClientSampleId :
A4BE6



Tgt Ion:252 Resp: 1501100
Ion Ratio Lower Upper
252 100
253 23.5 21.2 31.8
125 11.5 14.8 22.2

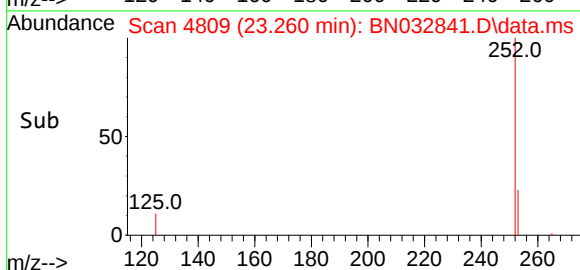
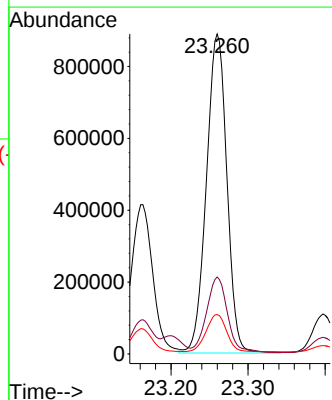
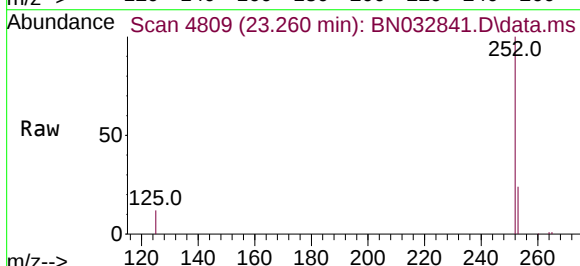
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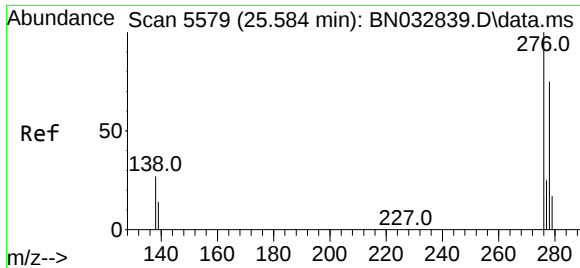
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#26
Benzo(a)pyrene
Concen: 26.039 ng/ul m
RT: 23.260 min Scan# 4809
Delta R.T. -0.018 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

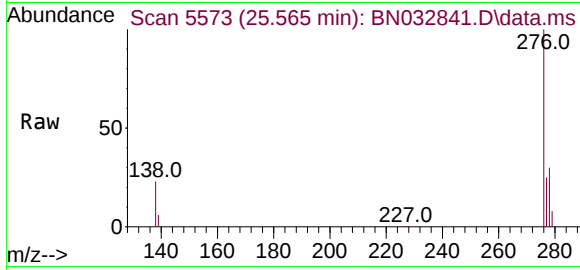
Tgt Ion:252 Resp: 1639709
Ion Ratio Lower Upper
252 100
253 24.0 25.4 38.0#
125 12.3 20.6 30.8#





#27
Indeno(1,2,3-cd)pyrene
Concen: 17.110 ng/ul m
RT: 25.565 min Scan# 5573
Delta R.T. -0.017 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11

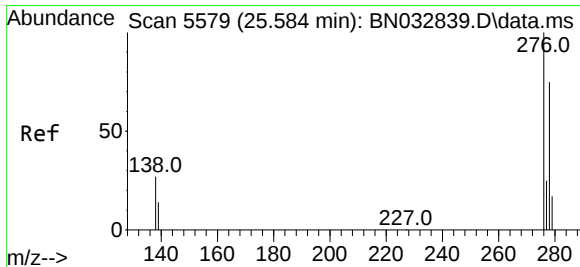
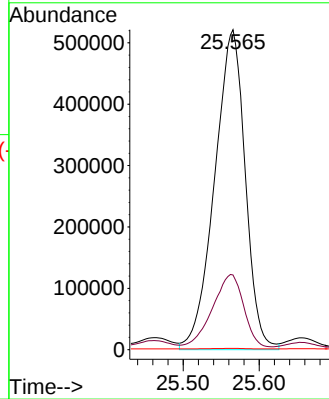
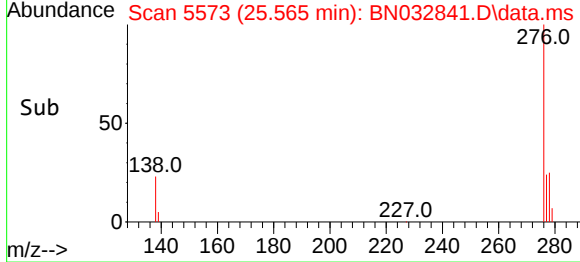
Instrument :
BNA_N
ClientSampleId :
A4BE6



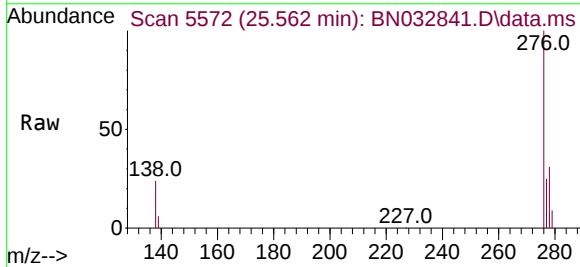
Tgt Ion:276 Resp: 145887
Ion Ratio Lower Upper
276 100
138 1.7 21.6 32.4
227 0.0 0.0 0.0

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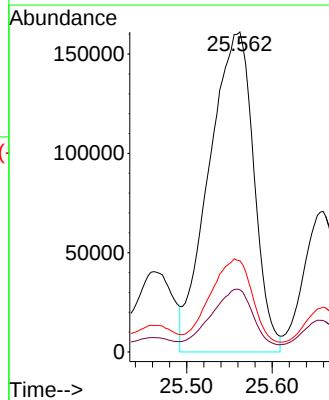
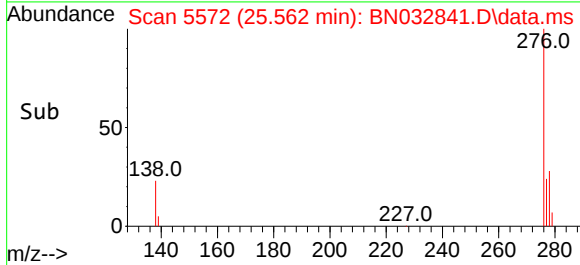
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

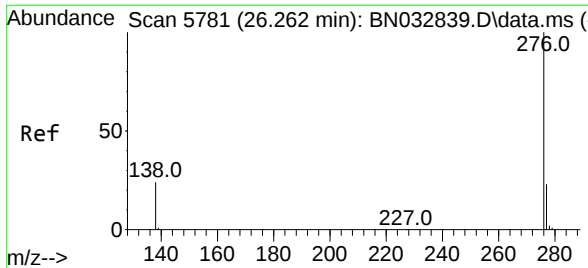


#28
Dibenzo(a,h)anthracene
Concen: 8.875 ng/ul m
RT: 25.562 min Scan# 5572
Delta R.T. -0.027 min
Lab File: BN032841.D
Acq: 19 Jul 2024 15:11



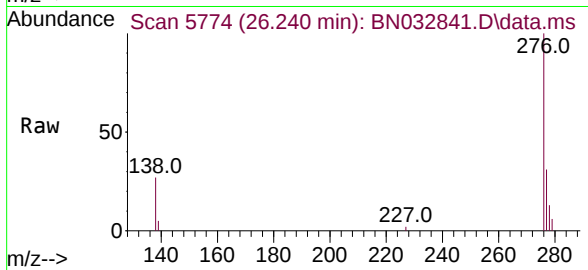
Tgt Ion:278 Resp: 586559
Ion Ratio Lower Upper
278 100
139 19.4 16.6 24.8
279 28.5 23.7 35.5





#29
 Benzo(g,h,i)perylene
 Concen: 2.931 ng/ul m
 RT: 26.240 min Scan# 51
 Delta R.T. -0.020 min
 Lab File: BN032841.D
 Acq: 19 Jul 2024 15:11

Instrument :
 BNA_N
 ClientSampleId :
 A4BE6



Tgt Ion:276 Resp: 208890
 Ion Ratio Lower Upper
 276 100
 138 27.3 21.0 31.4
 277 31.2 20.6 31.0

Manual Integrations
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Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024

