

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
 Data File : BN032538.D
 Acq On : 06 Jul 2024 10:00
 Operator : MA/JU
 Sample : P2964-08DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CS4DL

Manual Integrations
 APPROVED

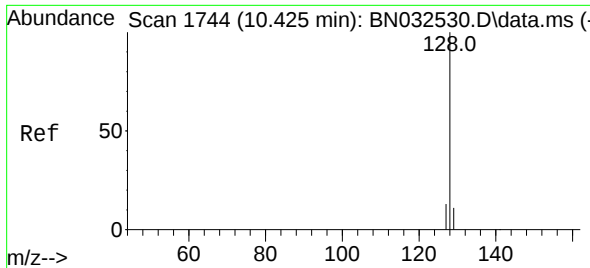
Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 07 23:44:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

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

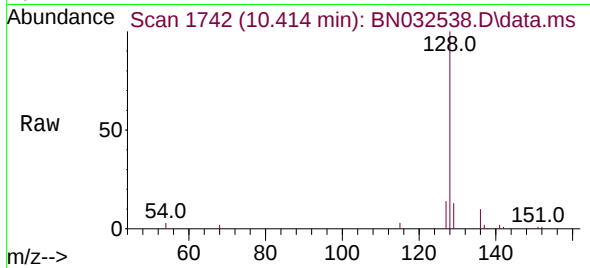
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.591	152	6106	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.364	136	17345	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.238	164	9706	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.994	188	19164	0.400	ng/ul	-0.01
17) Chrysene-d12	21.201	240	18742	0.400	ng/ul	# 0.00
23) Perylene-d12	23.414	264	22296	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	4623	0.681	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.970	152	1039	0.040	ng/ul	0.00
18) Fluoranthene-d10	19.030	212	2334	0.041	ng/ul	-0.02
Target Compounds					Qvalue	
5) Naphthalene	10.414	128	12201	0.266	ng/ul	98
7) 2-Methylnaphthalene	12.047	142	4215	0.139	ng/ul	98
8) 1-Methylnaphthalene	12.261	142	3045	0.097	ng/ul	100
10) Acenaphthylene	13.956	152	32761	0.812	ng/ul	99
11) Acenaphthene	14.303	153	3754	0.120	ng/ul	98
12) Fluorene	15.297	166	13864	0.371	ng/ul	99
15) Phenanthrene	17.036	178	247551	4.712	ng/ul	99
16) Anthracene	17.129	178	61881	1.320	ng/ul	99
19) Fluoranthene	19.063	202	419231	5.874	ng/ul	99
20) Pyrene	19.425	202	335166	4.494	ng/ul	99
21) Benzo(a)anthracene	21.184	228	203103	3.002	ng/ul	97
22) Chrysene	21.237	228	203052	2.735	ng/ul	97
24) Benzo(b)fluoranthene	22.753	252	267229m	2.759	ng/ul	
25) Benzo(k)fluoranthene	22.791	252	96723m	1.028	ng/ul	
26) Benzo(a)pyrene	23.317	252	122216	1.813	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.645	276	113725	1.078	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.642	278	34335	0.438	ng/ul#	89
29) Benzo(g,h,i)perylene	26.333	276	18346	0.218	ng/ul#	86

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



#5
Naphthalene
Concen: 0.266 ng/ul
RT: 10.414 min Scan# 1742
Delta R.T. -0.018 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

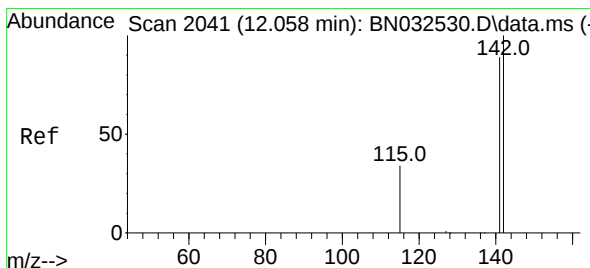
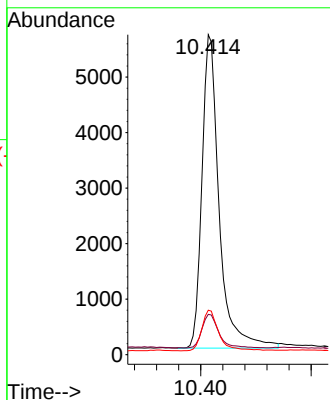
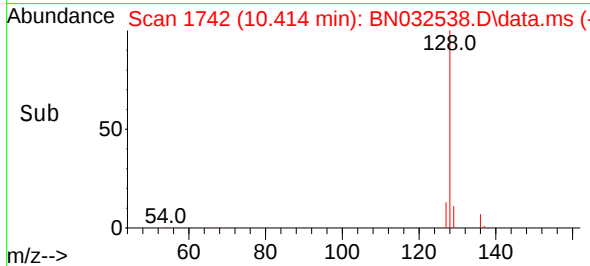
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:128 Resp: 1220
Ion Ratio Lower Upper
128 100
129 12.6 9.2 13.8
127 13.9 10.8 16.2

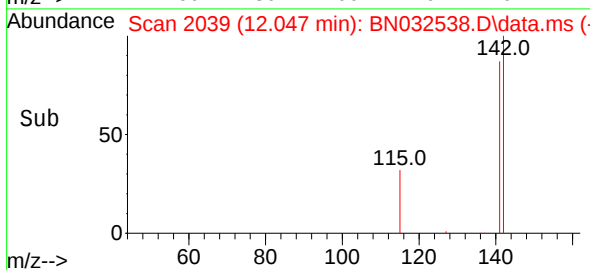
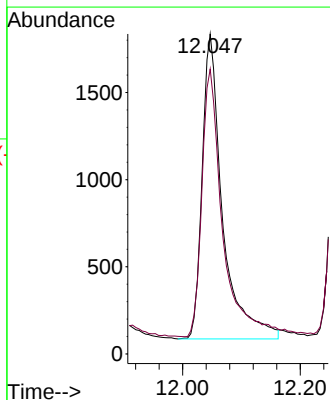
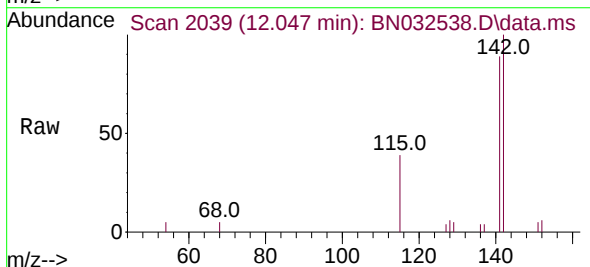
Manual Integrations
APPROVED

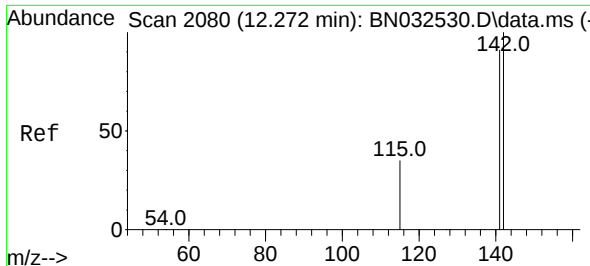
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#7
2-Methylnaphthalene
Concen: 0.139 ng/ul
RT: 12.047 min Scan# 2039
Delta R.T. -0.007 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

Tgt Ion:142 Resp: 4215
Ion Ratio Lower Upper
142 100
141 88.7 72.2 108.2





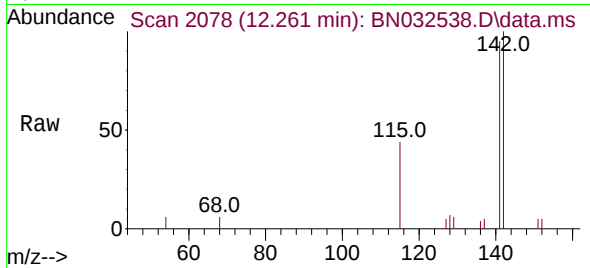
#8
1-Methylnaphthalene
Concen: 0.097 ng/ul
RT: 12.261 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

Instrument :

BNA_N

ClientSampleId :

A4CS4DL



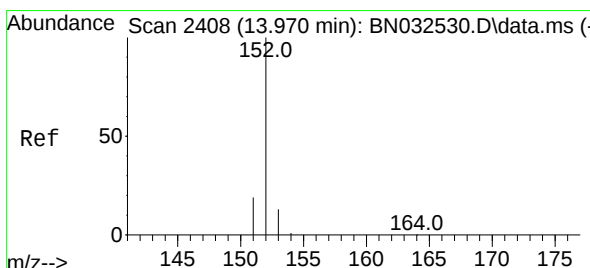
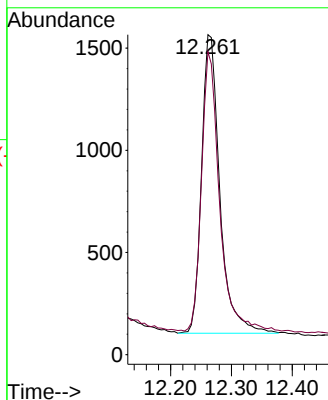
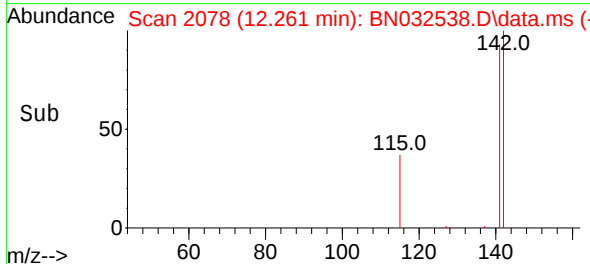
Tgt Ion:142 Resp: 3045
Ion Ratio Lower Upper
142 100
141 91.9 73.4 110.0

Manual Integrations

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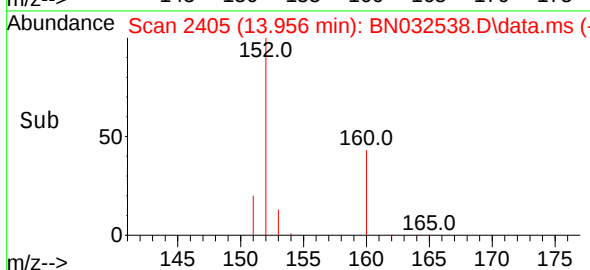
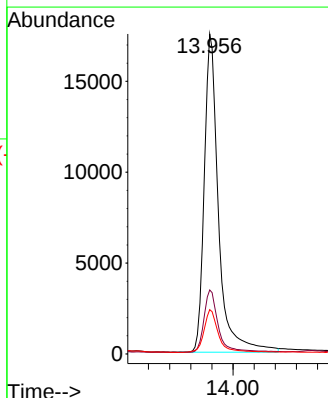
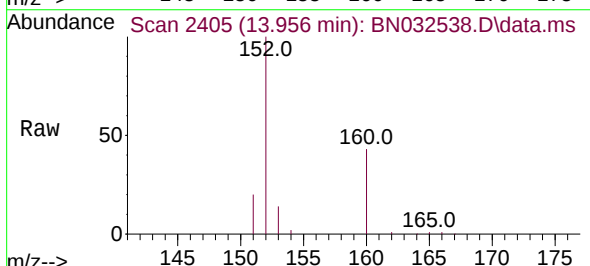
Reviewed By :Yogesh Patel 07/08/2024

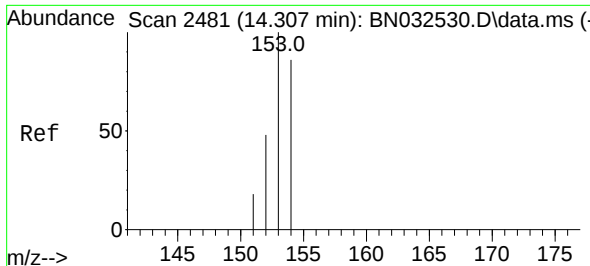
Supervised By :mohammad ahmed 07/08/2024



#10
Acenaphthylene
Concen: 0.812 ng/ul
RT: 13.956 min Scan# 2405
Delta R.T. -0.015 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

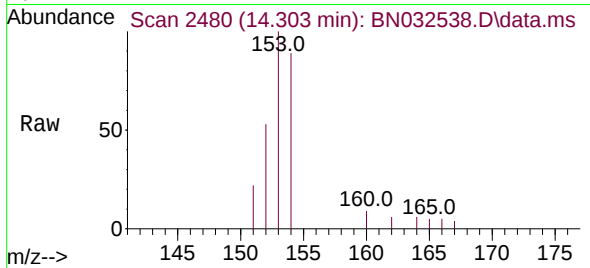
Tgt Ion:152 Resp: 32761
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.9 10.9 16.3





#11
Acenaphthene
Concen: 0.120 ng/ul
RT: 14.303 min Scan# 2480
Delta R.T. -0.010 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

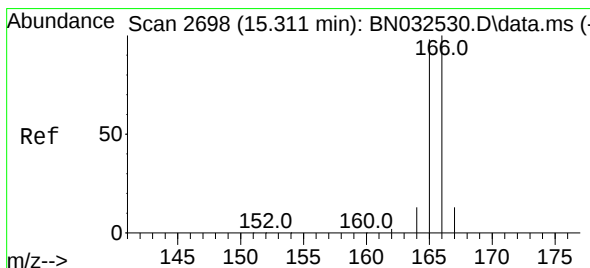
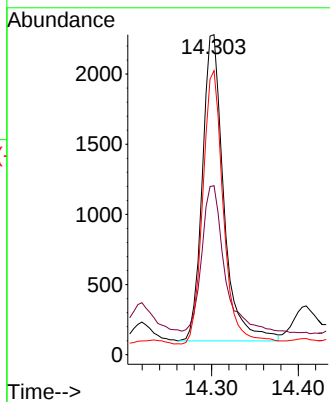
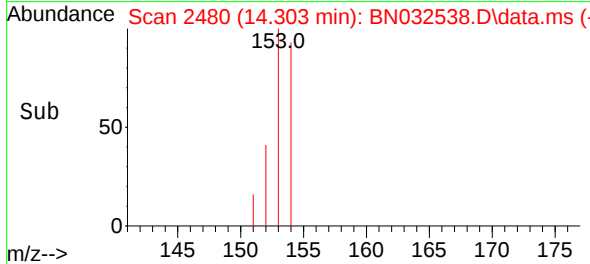
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:153 Resp: 3754
Ion Ratio Lower Upper
153 100
152 52.8 39.5 59.3
154 88.8 71.7 107.5

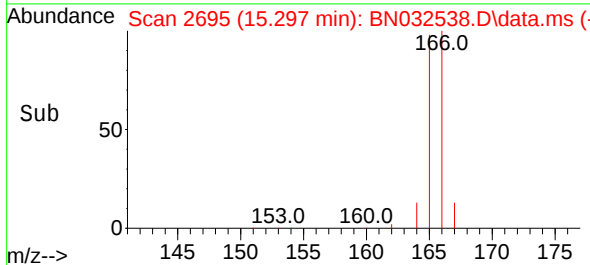
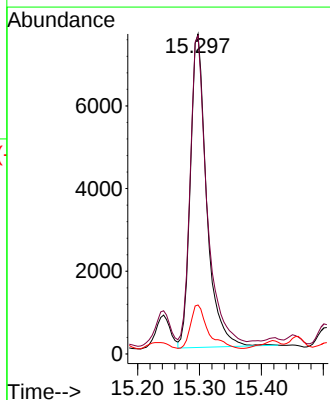
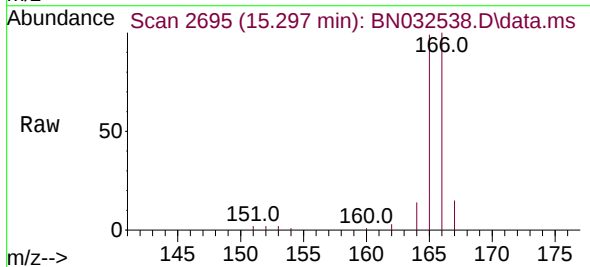
Manual Integrations
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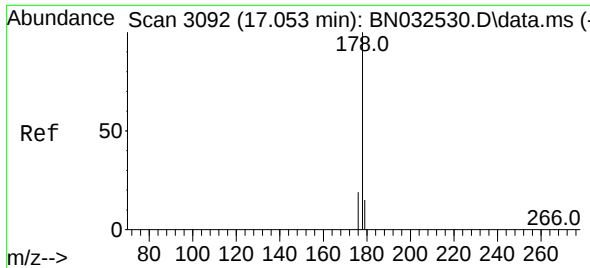
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#12
Fluorene
Concen: 0.371 ng/ul
RT: 15.297 min Scan# 2695
Delta R.T. -0.015 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

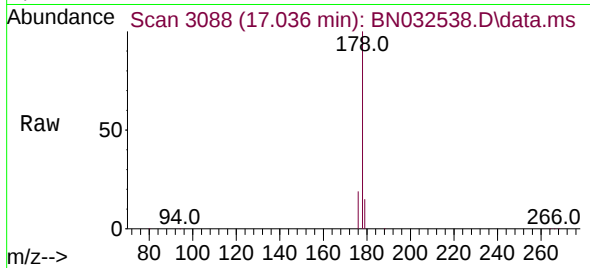
Tgt Ion:166 Resp: 13864
Ion Ratio Lower Upper
166 100
165 99.4 79.0 118.6
167 15.3 11.0 16.6





#15
Phenanthrene
Concen: 4.712 ng/ul
RT: 17.036 min Scan# 3092
Delta R.T. -0.014 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

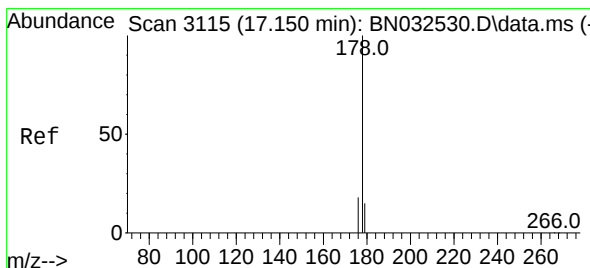
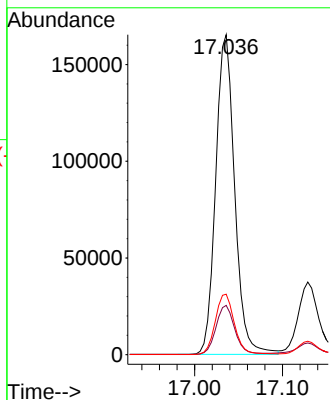
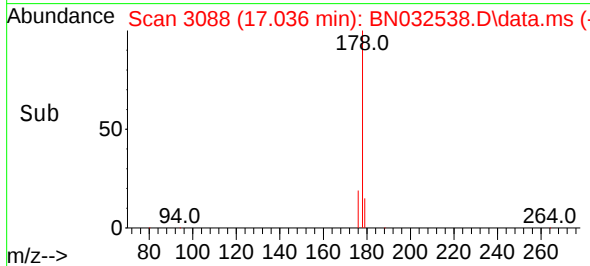
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:178 Resp: 24755
Ion Ratio Lower Upper
178 100
179 15.4 12.6 18.8
176 18.9 15.6 23.4

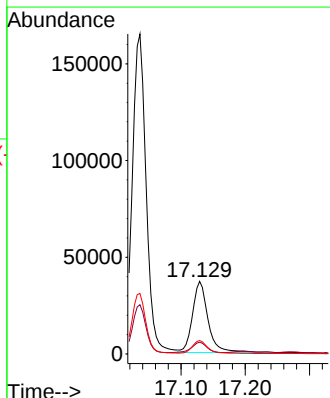
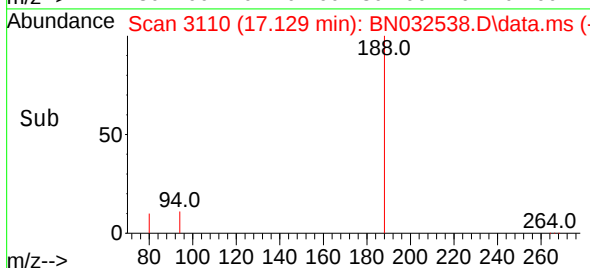
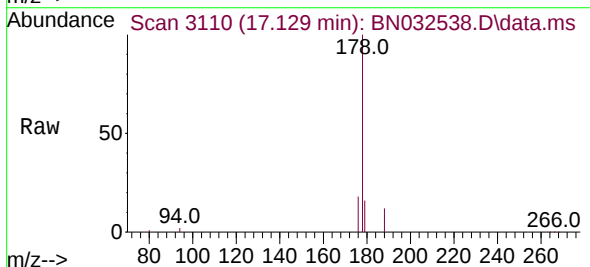
Manual Integrations
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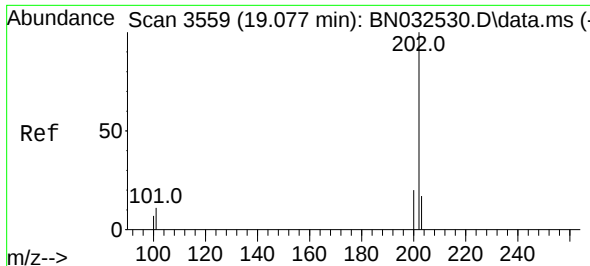
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#16
Anthracene
Concen: 1.320 ng/ul
RT: 17.129 min Scan# 3110
Delta R.T. -0.014 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

Tgt Ion:178 Resp: 61881
Ion Ratio Lower Upper
178 100
179 16.1 12.5 18.7
176 18.5 15.0 22.6





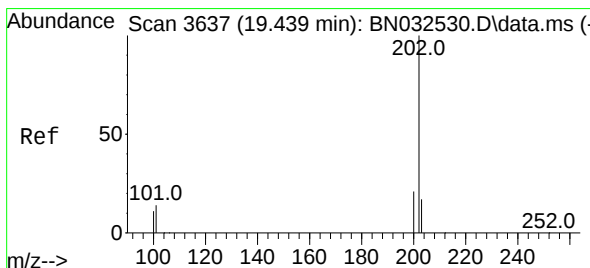
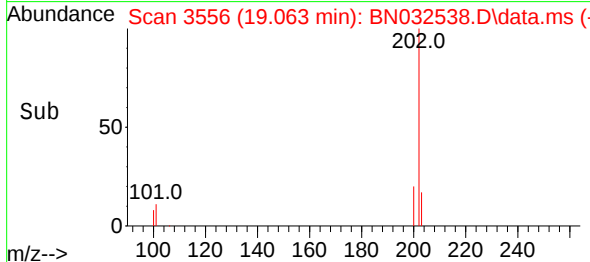
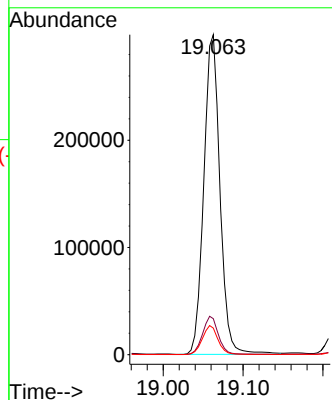
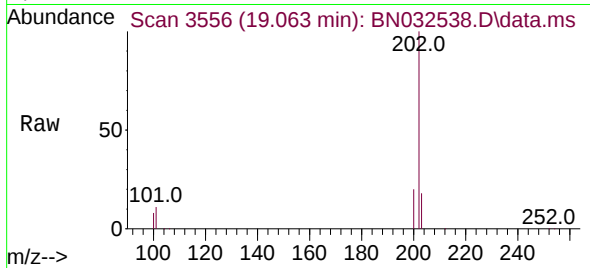
#19
Fluoranthene
Concen: 5.874 ng/ul
RT: 19.063 min Scan# 3556
Delta R.T. -0.010 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

Instrument :
BNA_N
ClientSampleId :
A4CS4DL

Tgt Ion:202 Resp: 41923
Ion Ratio Lower Upper
202 100
101 11.3 8.8 13.2
100 8.3 6.4 9.6

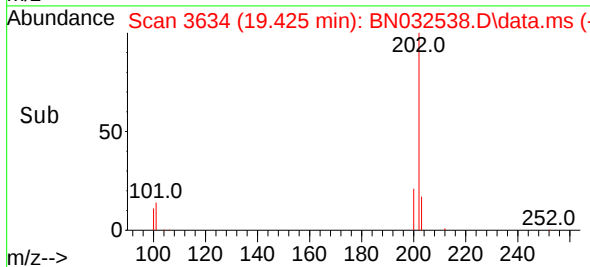
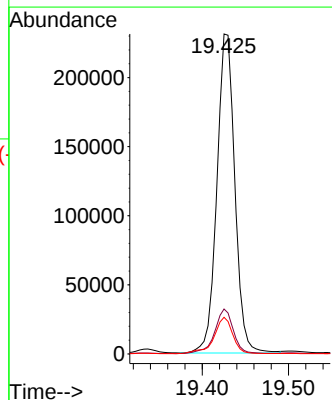
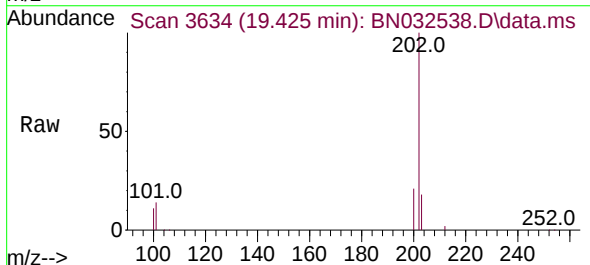
Manual Integrations
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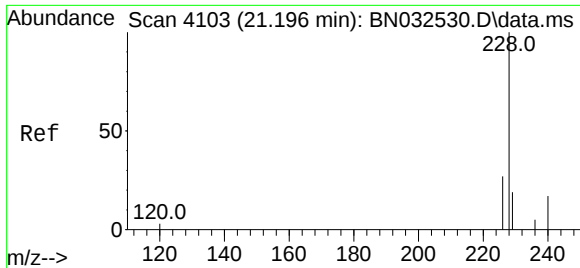
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#20
Pyrene
Concen: 4.494 ng/ul
RT: 19.425 min Scan# 3634
Delta R.T. -0.015 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

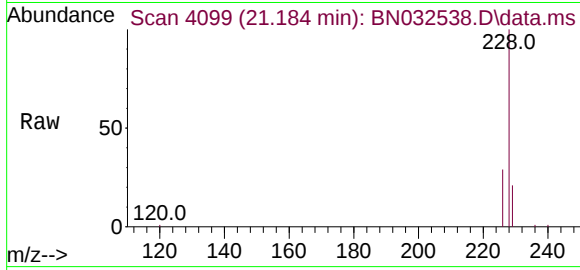
Tgt Ion:202 Resp: 335166
Ion Ratio Lower Upper
202 100
101 14.1 11.0 16.4
100 11.4 8.7 13.1





#21
Benzo(a)anthracene
Concen: 3.002 ng/ul
RT: 21.184 min Scan# 4103
Delta R.T. -0.007 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

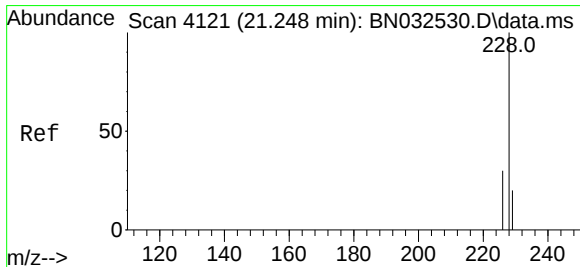
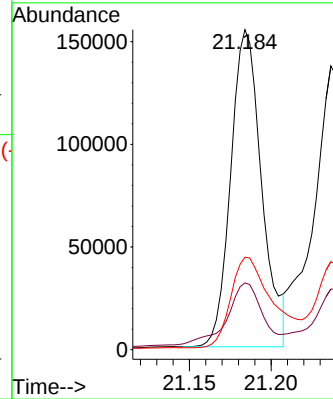
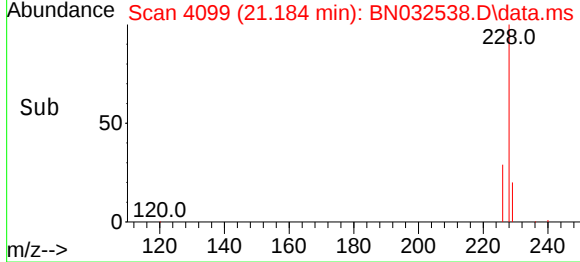
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:228 Resp: 203100
Ion Ratio Lower Upper
228 100
229 20.8 15.7 23.5
226 28.9 21.8 32.8

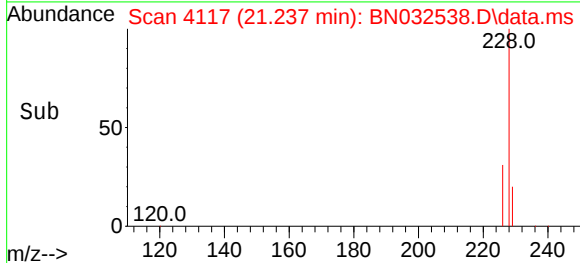
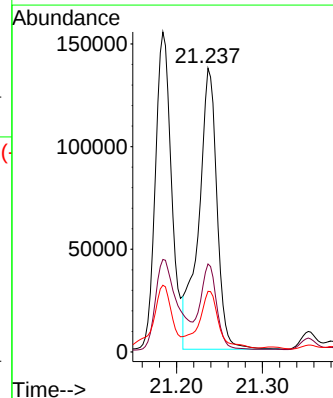
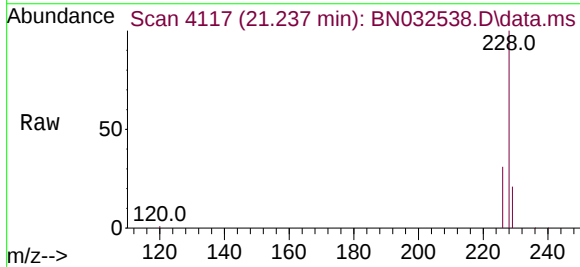
Manual Integrations
APPROVED

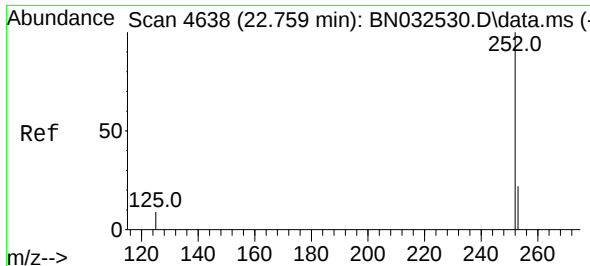
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#22
Chrysene
Concen: 2.735 ng/ul
RT: 21.237 min Scan# 4117
Delta R.T. -0.007 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

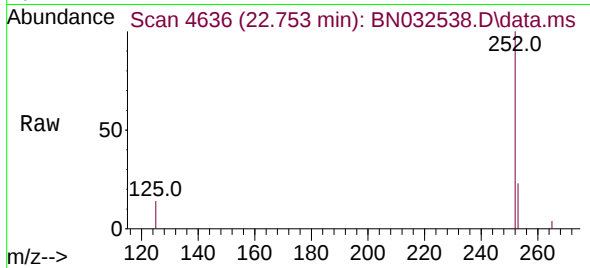
Tgt Ion:228 Resp: 203052
Ion Ratio Lower Upper
228 100
226 31.0 23.6 35.4
229 21.4 15.7 23.5





#24
Benzo(b)fluoranthene
Concen: 2.759 ng/ul m
RT: 22.753 min Scan# 4636
Delta R.T. -0.004 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

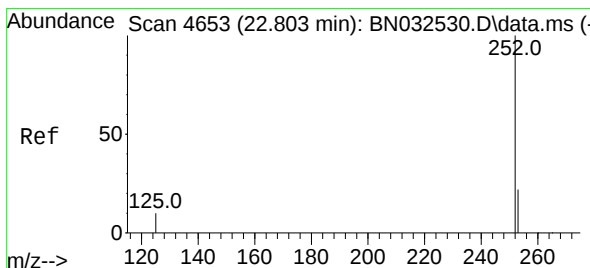
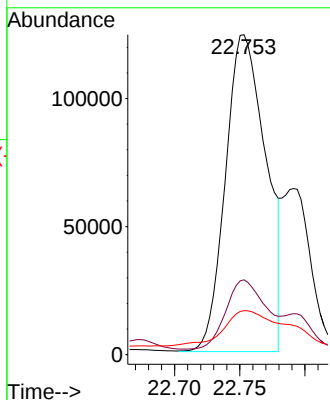
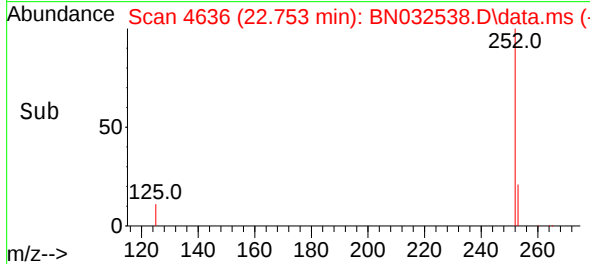
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:252 Resp: 267229
Ion Ratio Lower Upper
252 100
253 23.4 0.0 50.2
125 13.7 0.0 32.0

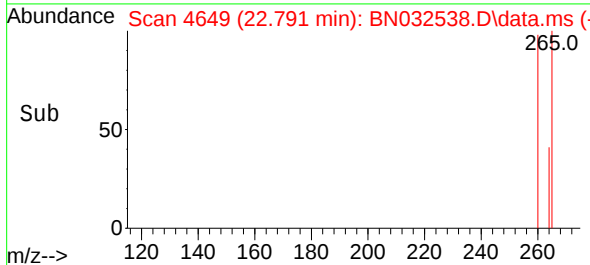
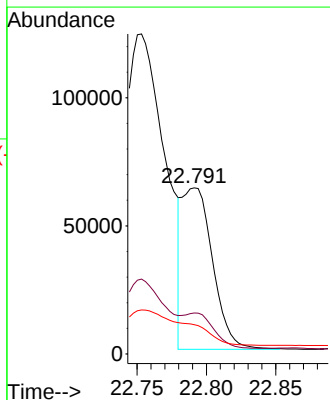
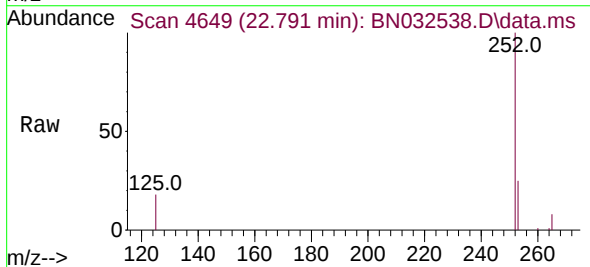
Manual Integrations
APPROVED

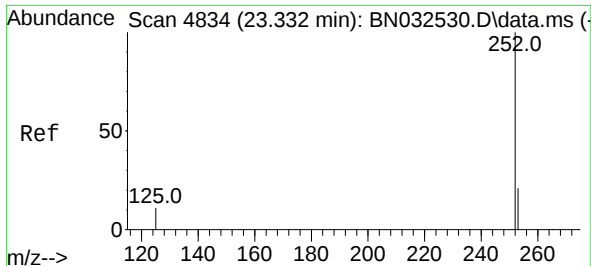
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#25
Benzo(k)fluoranthene
Concen: 1.028 ng/ul m
RT: 22.791 min Scan# 4649
Delta R.T. -0.010 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

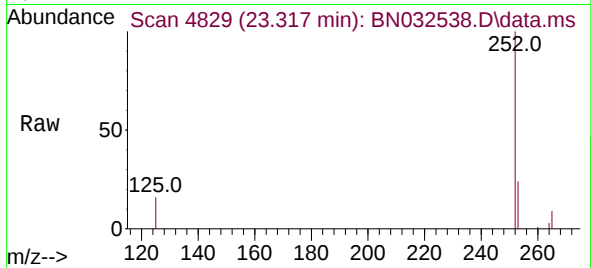
Tgt Ion:252 Resp: 96723
Ion Ratio Lower Upper
252 100
253 24.6 20.3 30.5
125 17.6 12.8 19.2





#26
Benzo(a)pyrene
Concen: 1.813 ng/ul
RT: 23.317 min Scan# 4829
Delta R.T. -0.010 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

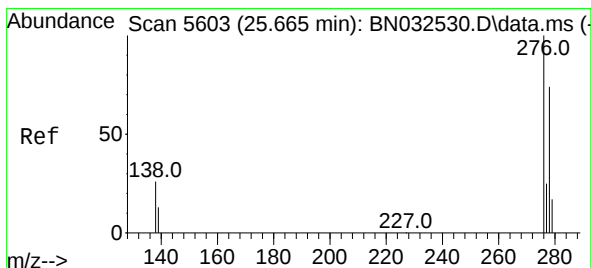
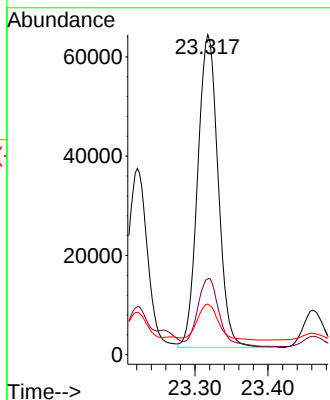
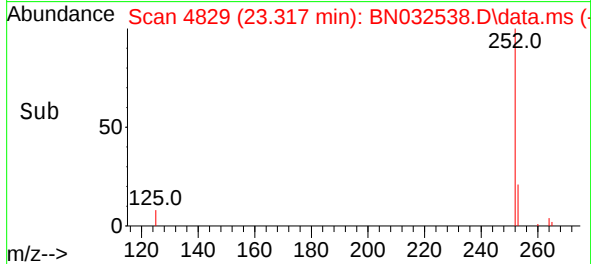
Instrument :
BNA_N
ClientSampleId :
A4CS4DL



Tgt Ion:252 Resp: 122210
Ion Ratio Lower Upper
252 100
253 23.7 22.2 33.2
125 15.8 16.4 24.6

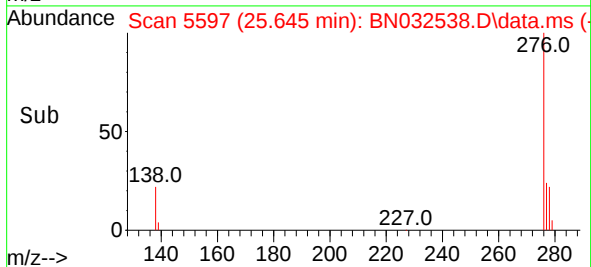
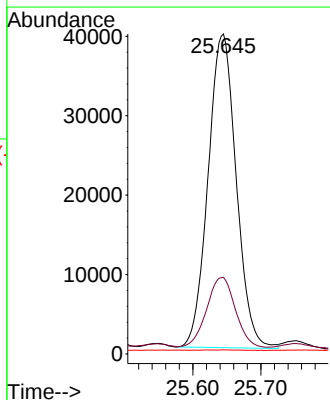
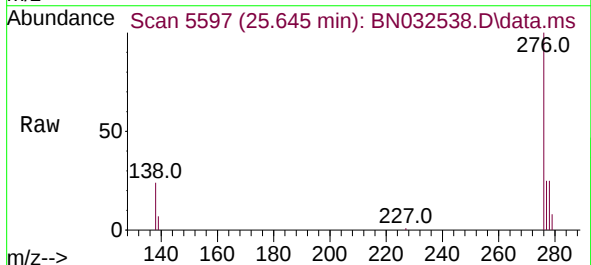
Manual Integrations
APPROVED

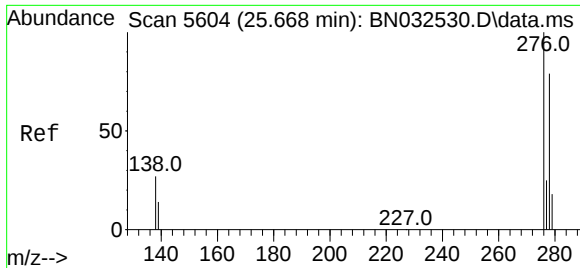
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.078 ng/ul
RT: 25.645 min Scan# 5597
Delta R.T. -0.015 min
Lab File: BN032538.D
Acq: 06 Jul 2024 10:00

Tgt Ion:276 Resp: 113725
Ion Ratio Lower Upper
276 100
138 22.8 21.3 31.9
227 0.2 0.1 0.1





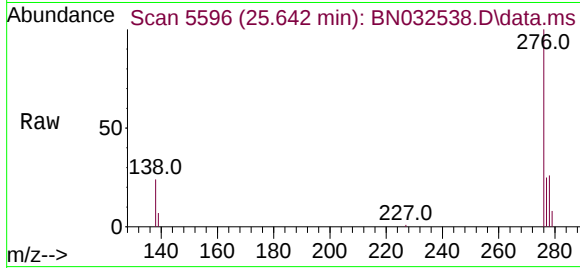
#28
 Dibenzo(a,h)anthracene
 Concen: 0.438 ng/ul
 RT: 25.642 min Scan# 5596
 Delta R.T. -0.025 min
 Lab File: BN032538.D
 Acq: 06 Jul 2024 10:00

Instrument :

BNA_N

ClientSampleId :

A4CS4DL



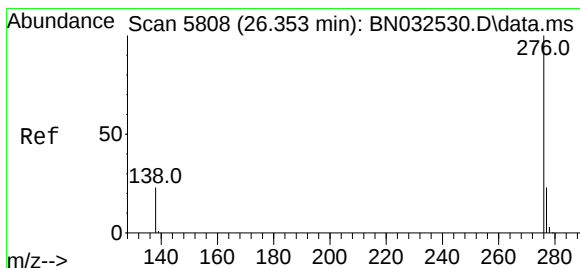
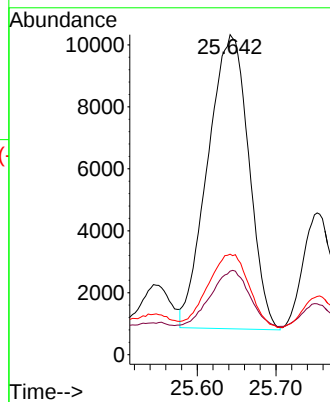
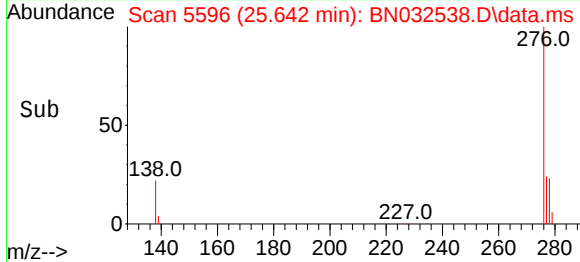
Tgt Ion:278 Resp: 3433
 Ion Ratio Lower Upper
 278 100
 139 26.1 15.9 23.9#
 279 31.4 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#29
 Benzo(g,h,i)perylene
 Concen: 0.218 ng/ul
 RT: 26.333 min Scan# 5802
 Delta R.T. -0.011 min
 Lab File: BN032538.D
 Acq: 06 Jul 2024 10:00

Tgt Ion:276 Resp: 18346
 Ion Ratio Lower Upper
 276 100
 138 31.4 19.8 29.6#
 277 31.5 19.8 29.6#

