

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025258.D
 Acq On : 04 May 2023 02:17
 Operator : CG/JU
 Sample : 02447-14DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW934DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 06:23:56 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 15:28:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	6240	0.400	ng/ul	0.00
4) Naphthalene-d8	10.732	136	20876	0.400	ng/ul	0.01
9) Acenaphthene-d10	14.570	164	12342	0.400	ng/ul	0.01
13) Phenanthrene-d10	17.322	188	29129	0.400	ng/ul	0.01
17) Chrysene-d12	21.517	240	19834	0.400	ng/ul	# 0.01
23) Perylene-d12	23.973	264	18148	0.400	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.297	96	2333	0.361	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.321	152	850	0.032	ng/ul	0.01
18) Fluoranthene-d10	19.354	212	1910	0.037	ng/ul	0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.781	128	2816	0.053	ng/ul#	88
7) 2-Methylnaphthalene	12.398	142	1770	0.054	ng/ul	93
8) 1-Methylnaphthalene	12.618	142	1302	0.037	ng/ul	94
10) Acenaphthylene	14.288	152	20380	0.443	ng/ul	97
11) Acenaphthene	14.630	153	2475	0.064	ng/ul#	88
12) Fluorene	15.620	166	3548	0.082	ng/ul#	86
15) Phenanthrene	17.364	178	34338	0.418	ng/ul	98
16) Anthracene	17.452	178	9854	0.147	ng/ul#	89
19) Fluoranthene	19.382	202	92199	1.285	ng/ul	98
20) Pyrene	19.744	202	92134	1.250	ng/ul	96
21) Benzo(a)anthracene	21.500	228	53260	0.891	ng/ul#	85
22) Chrysene	21.555	228	63868	0.980	ng/ul#	88
24) Benzo(b)fluoranthene	23.224	252	87075m	1.183	ng/ul	
25) Benzo(k)fluoranthene	23.268	252	30057m	0.424	ng/ul	
26) Benzo(a)pyrene	23.859	252	55409	0.910	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	26.524	276	53763	0.766	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.527	278	13449	0.245	ng/ul#	18
29) Benzo(g,h,i)perylene	27.319	276	67420	1.130	ng/ul#	88

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

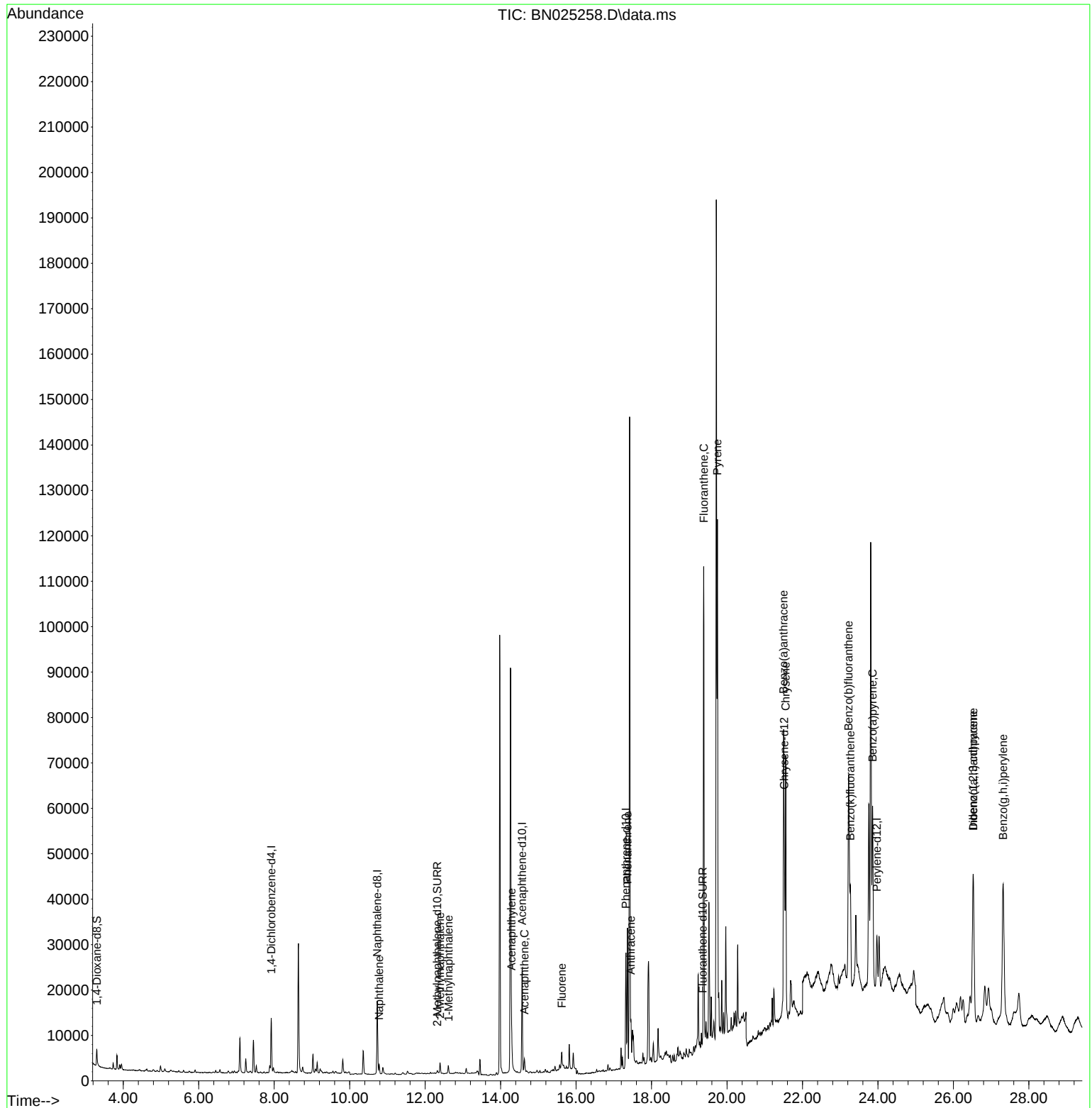
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
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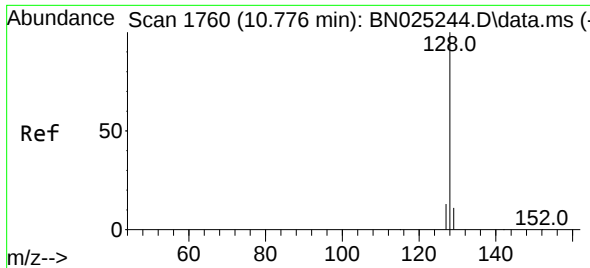
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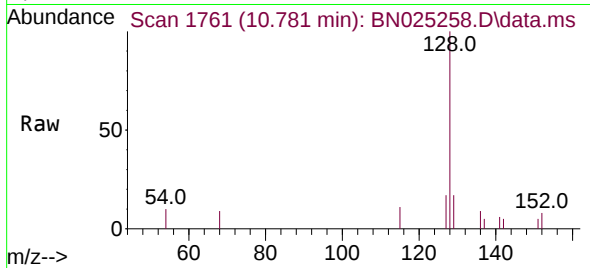
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023





#5
Naphthalene
Concen: 0.053 ng/ul
RT: 10.781 min Scan# 1761
Delta R.T. 0.013 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

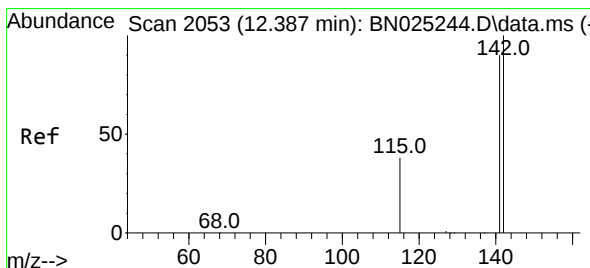
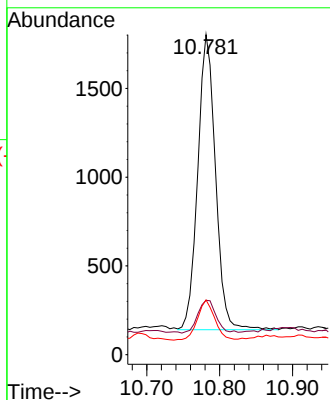
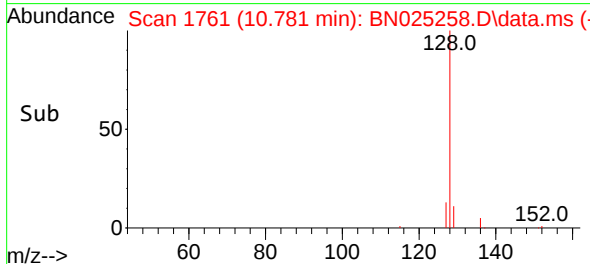
Instrument :
BNA_N
ClientSampleId :
EW934DL



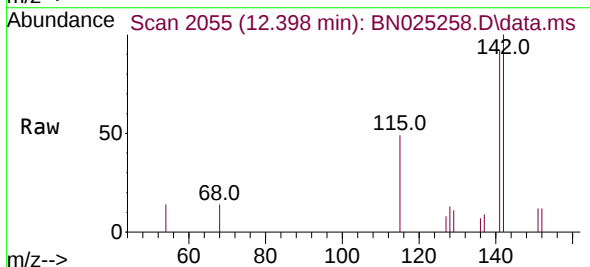
Tgt Ion:128 Resp: 2810
Ion Ratio Lower Upper
128 100
129 17.0 9.0 13.6
127 17.1 10.7 16.1

Manual Integrations
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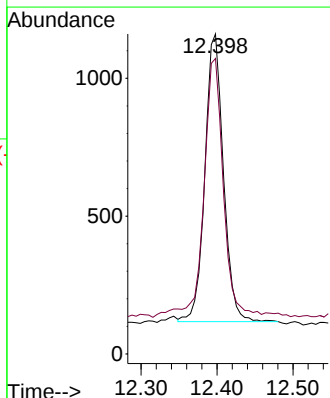
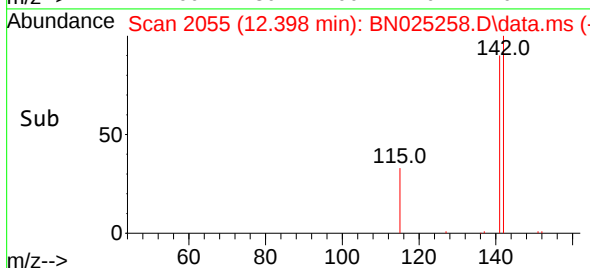
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

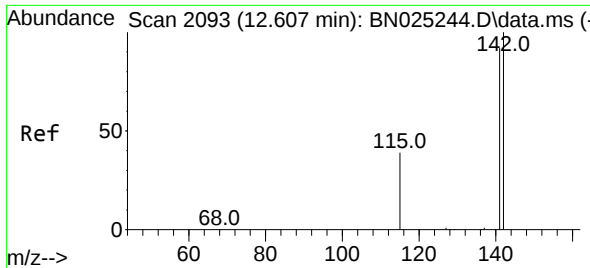


#7
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.398 min Scan# 2055
Delta R.T. 0.013 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17



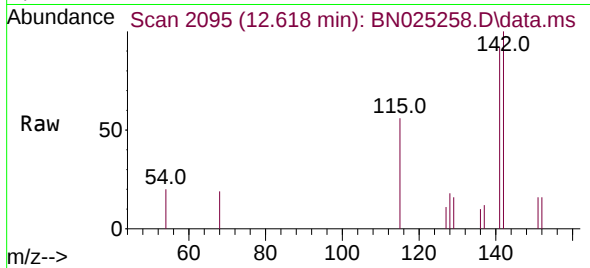
Tgt Ion:142 Resp: 1770
Ion Ratio Lower Upper
142 100
141 96.0 71.4 107.0





#8
1-Methylnaphthalene
Concen: 0.037 ng/ul
RT: 12.618 min Scan# 2095
Delta R.T. 0.013 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

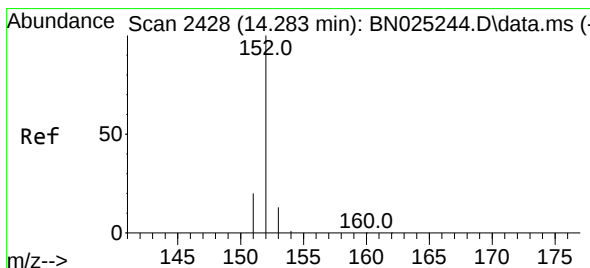
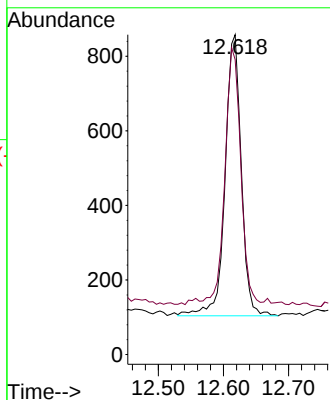
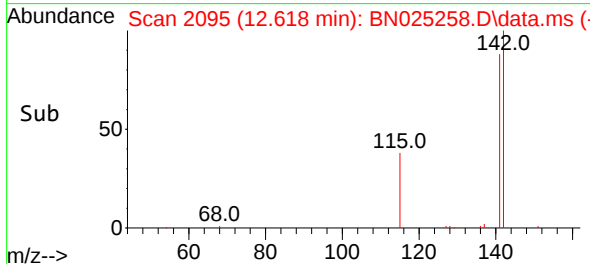
Instrument :
BNA_N
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EW934DL



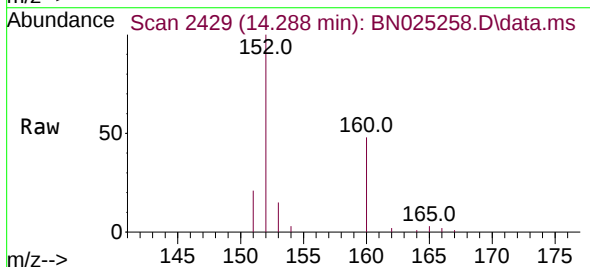
Tgt Ion:142 Resp: 1302
Ion Ratio Lower Upper
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141 86.4 73.8 110.6

Manual Integrations
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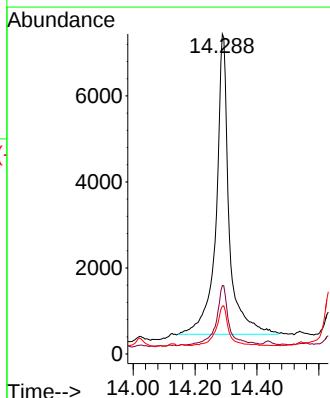
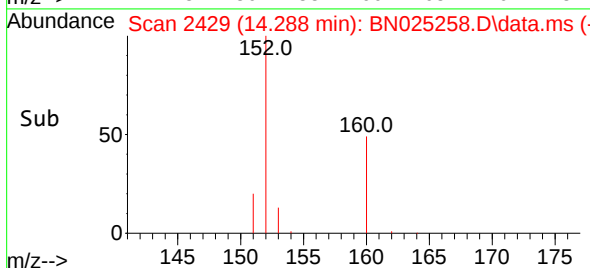
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

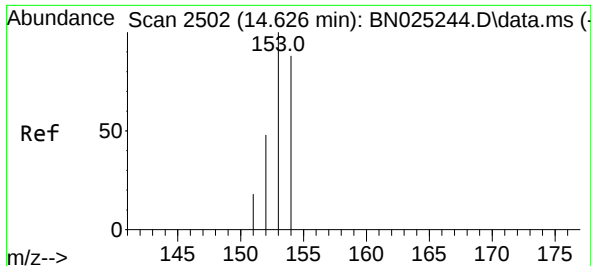


#10
Acenaphthylene
Concen: 0.443 ng/ul
RT: 14.288 min Scan# 2429
Delta R.T. 0.010 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17



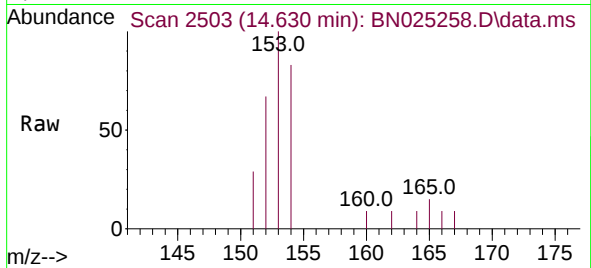
Tgt Ion:152 Resp: 20380
Ion Ratio Lower Upper
152 100
151 21.4 16.0 24.0
153 14.9 10.8 16.2





#11
Acenaphthene
Concen: 0.064 ng/u1
RT: 14.630 min Scan# 2503
Delta R.T. 0.010 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

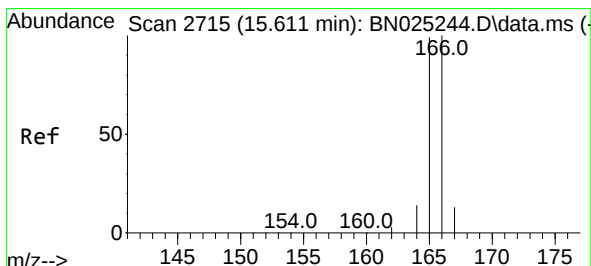
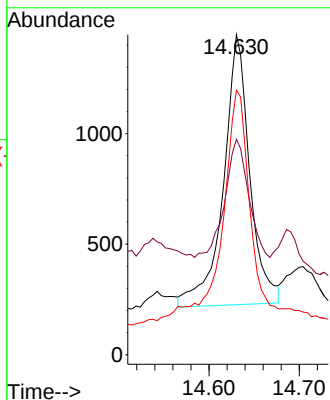
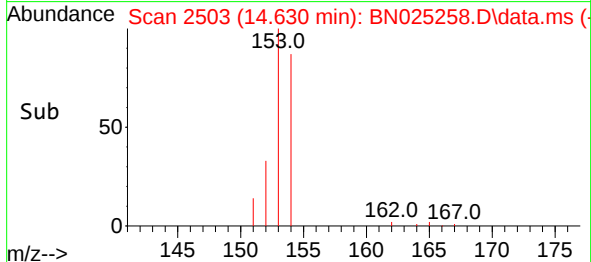
Instrument :
BNA_N
ClientSampleId :
EW934DL



Tgt Ion:153 Resp: 2475
Ion Ratio Lower Upper
153 100
152 67.3 40.2 60.4
154 82.7 69.4 104.2

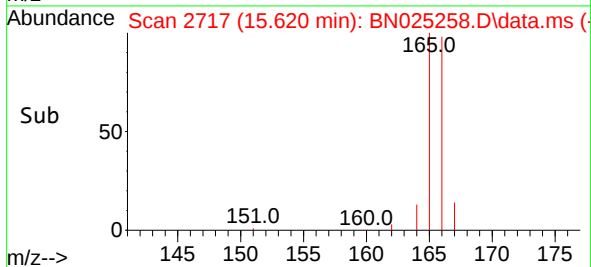
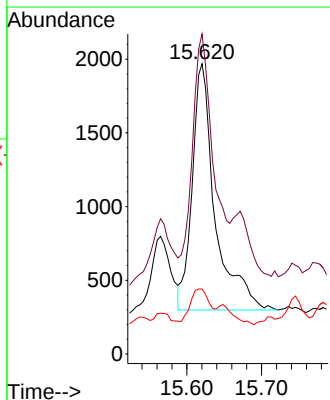
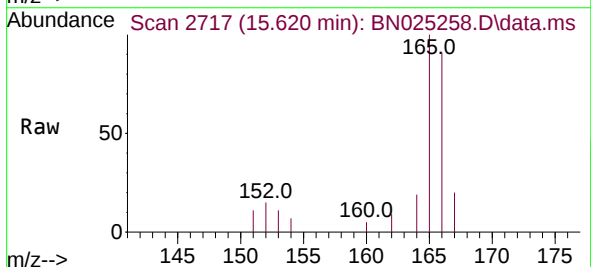
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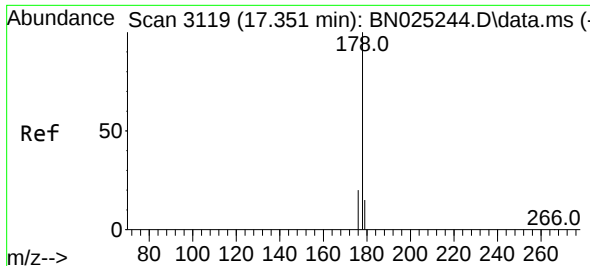
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#12
Fluorene
Concen: 0.082 ng/u1
RT: 15.620 min Scan# 2717
Delta R.T. 0.010 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

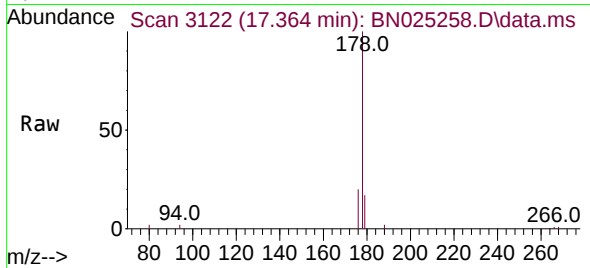
Tgt Ion:166 Resp: 3548
Ion Ratio Lower Upper
166 100
165 110.3 78.1 117.1
167 22.4 11.0 16.6





#15
Phenanthrene
Concen: 0.418 ng/ul
RT: 17.364 min Scan# 3119
Delta R.T. 0.014 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

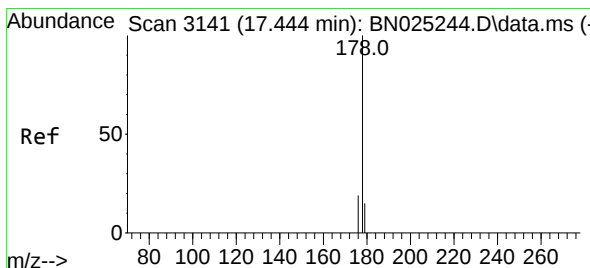
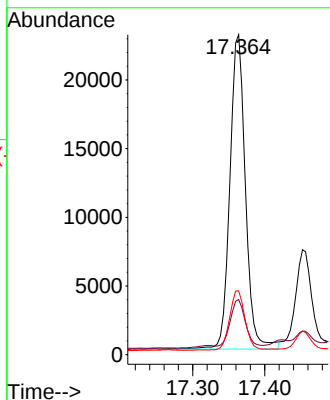
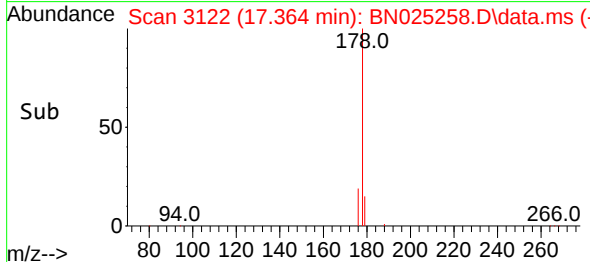
Instrument :
BNA_N
ClientSampleId :
EW934DL



Tgt Ion:178 Resp: 34338
Ion Ratio Lower Upper
178 100
179 17.2 12.5 18.7
176 19.9 15.6 23.4

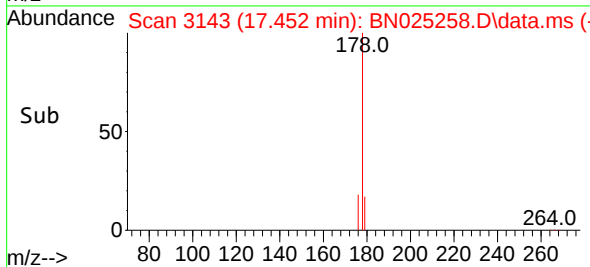
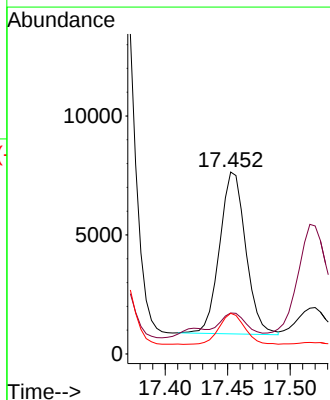
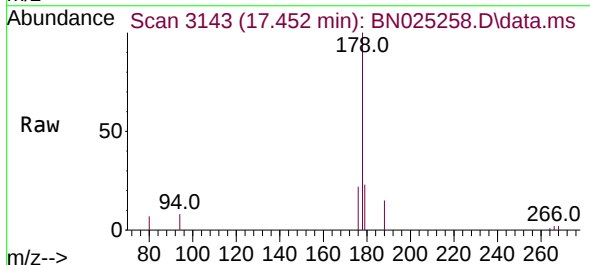
Manual Integrations
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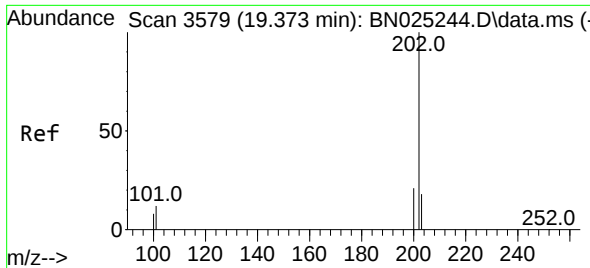
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#16
Anthracene
Concen: 0.147 ng/ul
RT: 17.452 min Scan# 3143
Delta R.T. 0.009 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

Tgt Ion:178 Resp: 9854
Ion Ratio Lower Upper
178 100
179 22.5 12.7 19.1#
176 22.3 15.3 22.9





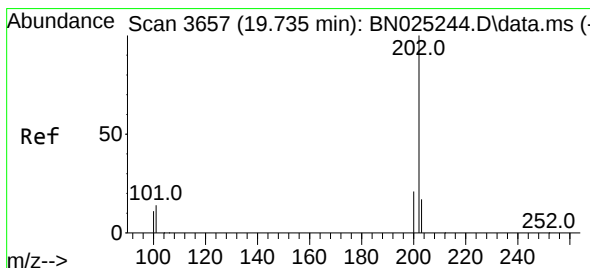
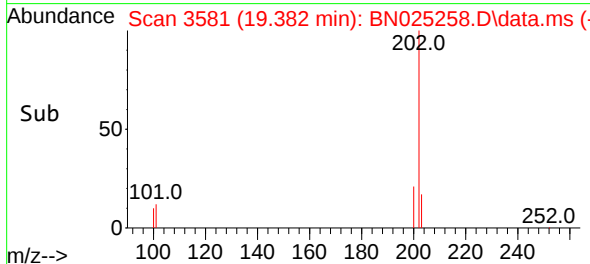
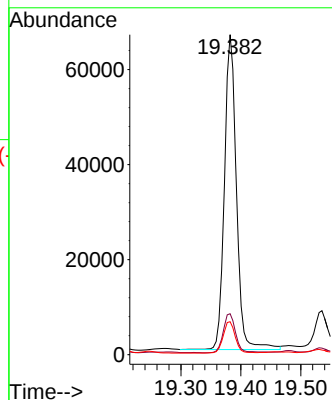
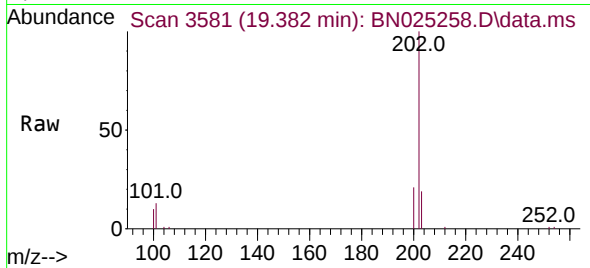
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Fluoranthene
Concen: 1.285 ng/u1
RT: 19.382 min Scan# 3581
Delta R.T. 0.011 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

Instrument :
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ClientSampleId :
EW934DL

Tgt Ion:202 Resp: 92199
Ion Ratio Lower Upper
202 100
101 12.8 9.7 14.5
100 10.3 7.3 10.9

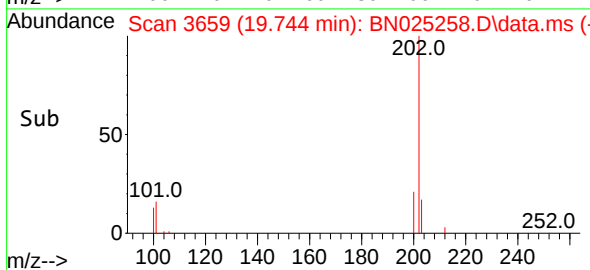
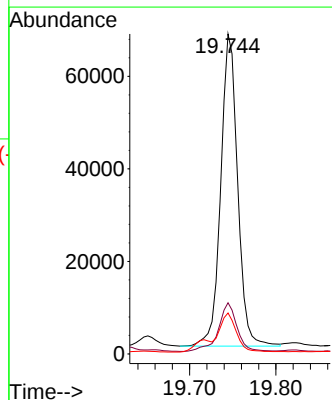
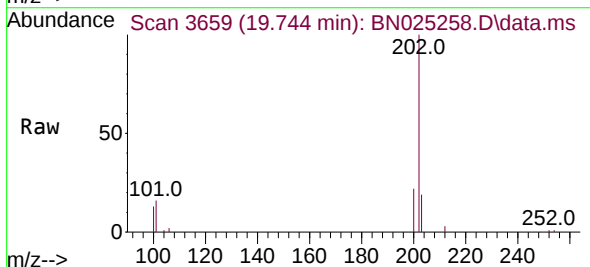
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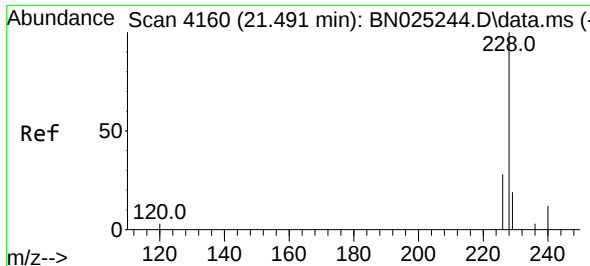
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#20
Pyrene
Concen: 1.250 ng/u1
RT: 19.744 min Scan# 3659
Delta R.T. 0.011 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

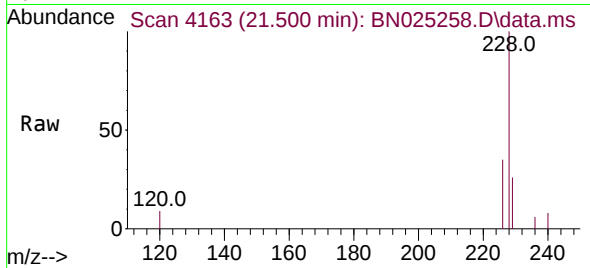
Tgt Ion:202 Resp: 92134
Ion Ratio Lower Upper
202 100
101 16.0 11.3 16.9
100 12.8 9.2 13.8





#21
Benzo(a)anthracene
Concen: 0.891 ng/u1
RT: 21.500 min Scan# 4160
Delta R.T. 0.013 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

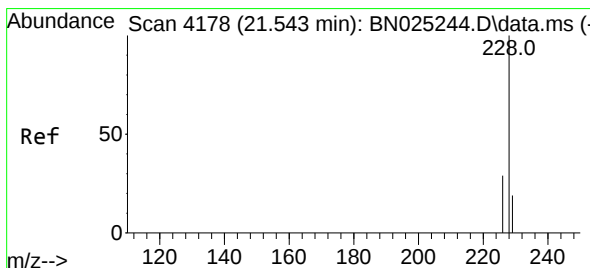
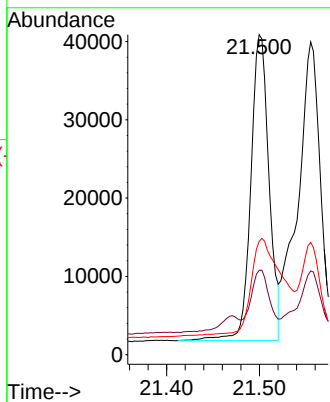
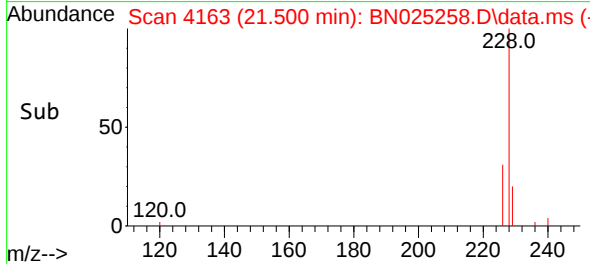
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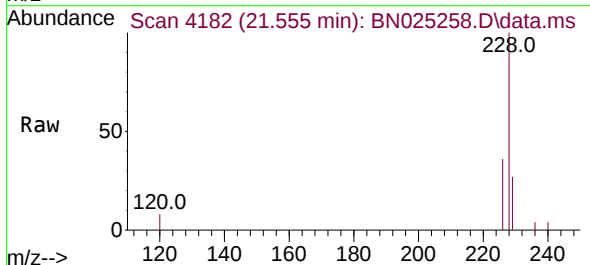
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Ion Ratio Lower Upper
228 100
229 26.4 15.6 23.4
226 35.4 22.1 33.1

Manual Integrations
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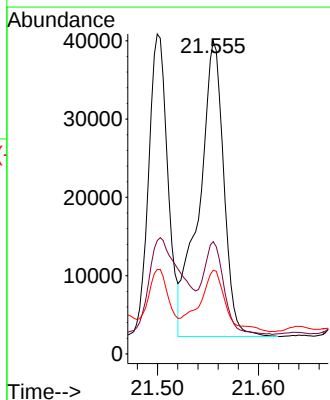
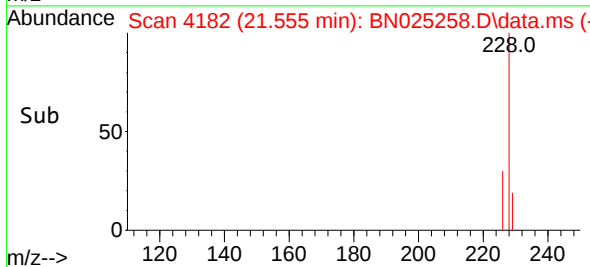
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

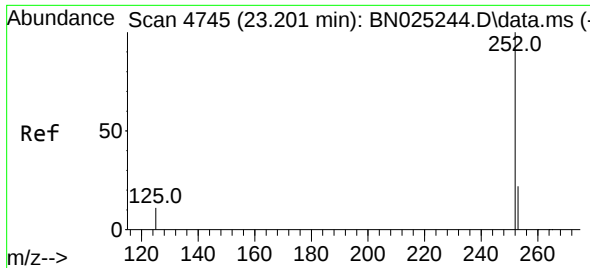


#22
Chrysene
Concen: 0.980 ng/u1
RT: 21.555 min Scan# 4182
Delta R.T. 0.016 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17



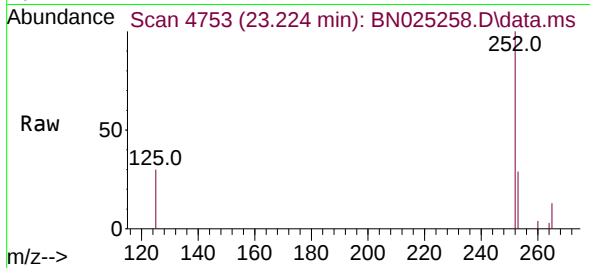
Tgt Ion:228 Resp: 63868
Ion Ratio Lower Upper
228 100
226 35.9 24.5 36.7
229 26.8 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.183 ng/ul m
RT: 23.224 min Scan# 4753
Delta R.T. 0.028 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

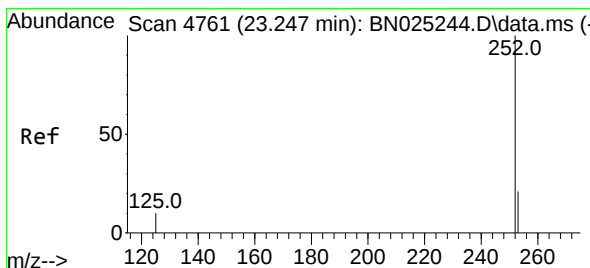
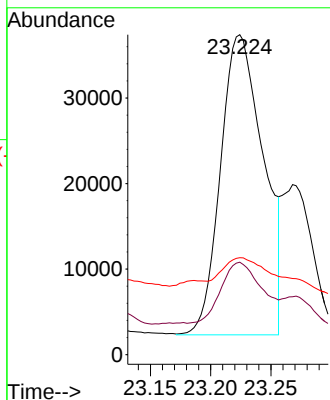
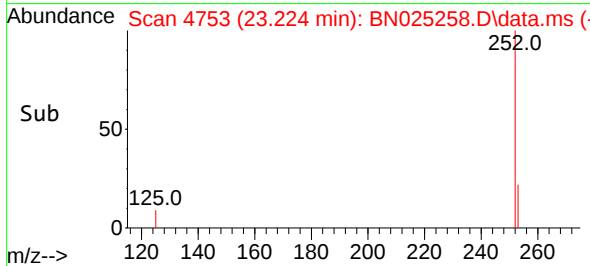
Instrument :
BNA_N
ClientSampleId :
EW934DL



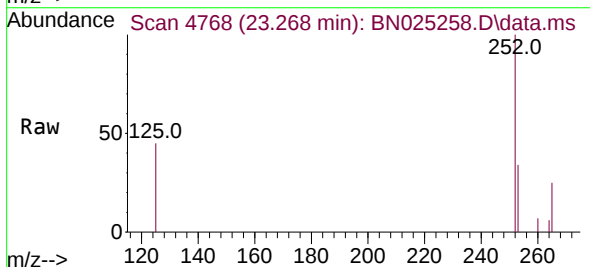
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Ion Ratio Lower Upper
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253 28.9 0.0 50.2
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Manual Integrations
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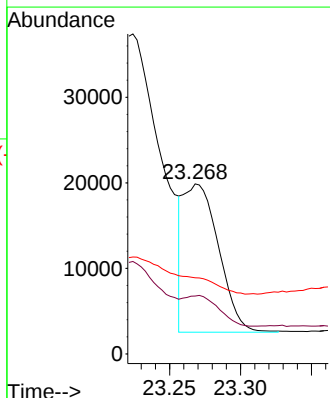
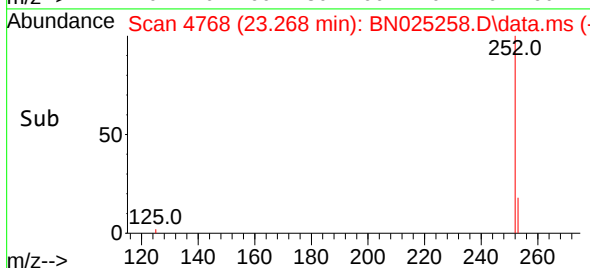
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

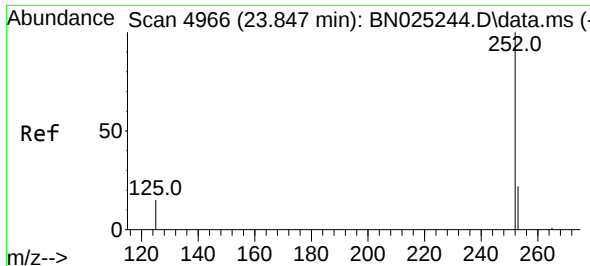


#25
Benzo(k)fluoranthene
Concen: 0.424 ng/ul m
RT: 23.268 min Scan# 4768
Delta R.T. 0.022 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17



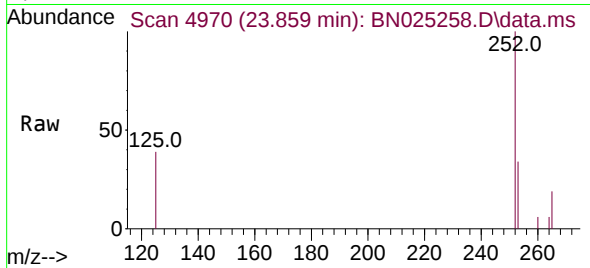
Tgt Ion:252 Resp: 30057
Ion Ratio Lower Upper
252 100
253 34.0 20.2 30.4#
125 44.7 11.8 17.8#





#26
Benzo(a)pyrene
Concen: 0.910 ng/ul
RT: 23.859 min Scan# 4966
Delta R.T. 0.031 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17

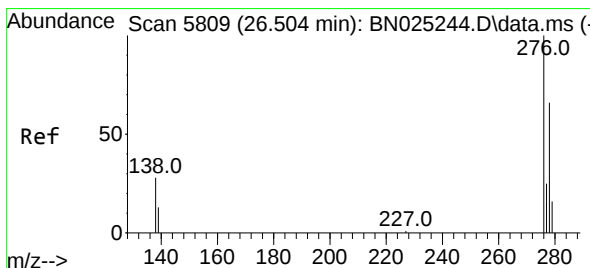
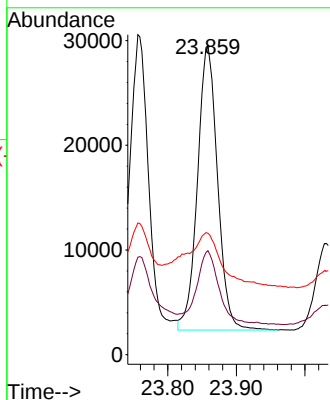
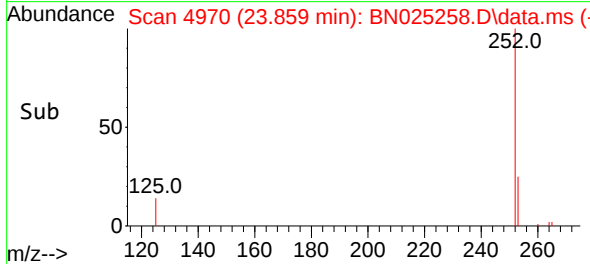
Instrument :
BNA_N
ClientSampleId :
EW934DL



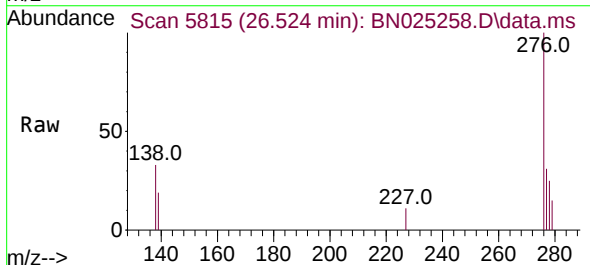
Tgt Ion:252 Resp: 55409
Ion Ratio Lower Upper
252 100
253 33.6 21.4 32.2
125 39.3 14.6 22.0

Manual Integrations
APPROVED

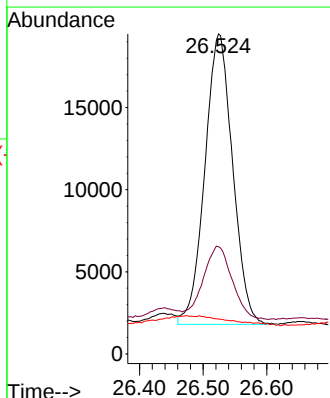
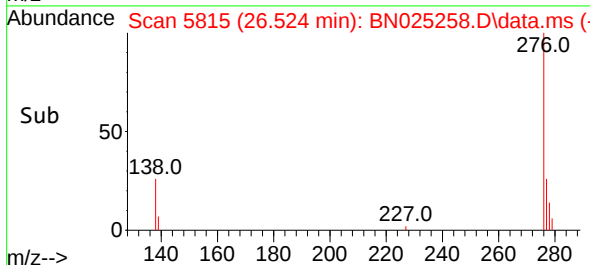
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

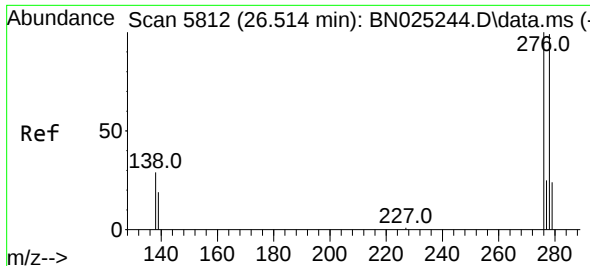


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.766 ng/ul
RT: 26.524 min Scan# 5815
Delta R.T. 0.048 min
Lab File: BN025258.D
Acq: 04 May 2023 02:17



Tgt Ion:276 Resp: 53763
Ion Ratio Lower Upper
276 100
138 26.8 21.9 32.9
227 0.0 0.1 0.1





#28

Dibenzo(a,h)anthracene

Concen: 0.245 ng/ul

RT: 26.527 min Scan# 5816

Delta R.T. 0.035 min

Lab File: BN025258.D

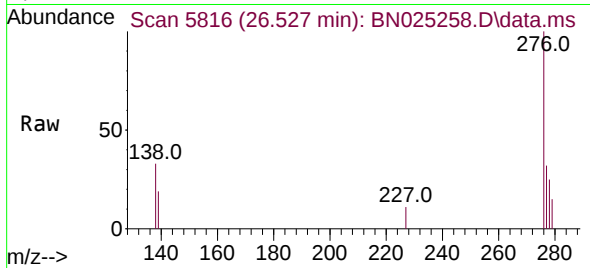
Acq: 04 May 2023 02:17

Instrument :

BNA_N

ClientSampleId :

EW934DL



Tgt Ion:278 Resp: 13449

Ion Ratio Lower Upper

278 100

139 73.9 17.0 25.6#

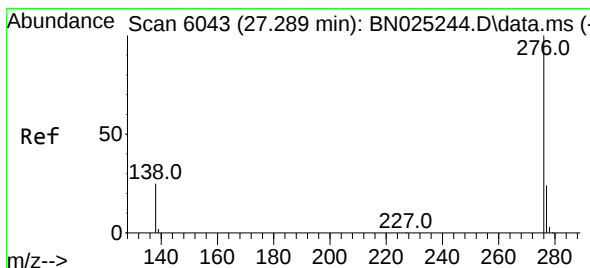
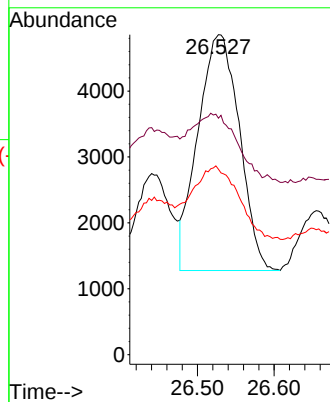
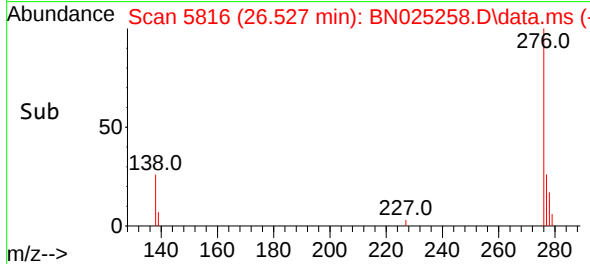
279 57.9 21.8 32.8#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#29

Benzo(g,h,i)perylene

Concen: 1.130 ng/ul

RT: 27.319 min Scan# 6052

Delta R.T. 0.058 min

Lab File: BN025258.D

Acq: 04 May 2023 02:17

Tgt Ion:276 Resp: 67420

Ion Ratio Lower Upper

276 100

138 32.7 20.3 30.5#

277 29.9 19.8 29.6#

