

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027022.D
 Acq On : 22 Aug 2023 10:20
 Operator : MA/JU
 Sample : 03968-25
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48P2

Manual Integrations
 APPROVED

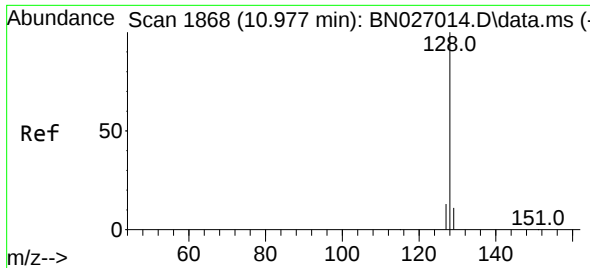
Reviewed By :Yogesh Patel 08/23/2023
 Supervised By :mohammad ahmed 08/24/2023

Quant Time: Aug 22 11:20:22 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

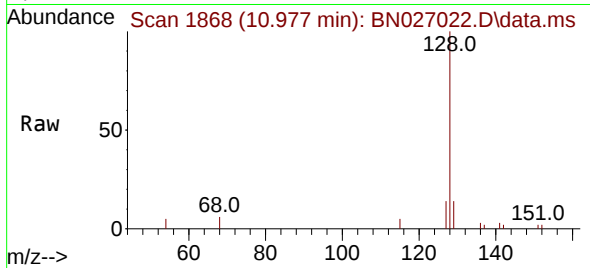
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	7907	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	26467	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	15339	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	34015	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	28043	0.400	ng/ul	# 0.00
23) Perylene-d12	24.187	264	26163	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	41634	4.435	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	9524	0.245	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	25077	0.283	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.977	128	7442	0.100	ng/ul#	95
7) 2-Methylnaphthalene	12.572	142	2372	0.052	ng/ul	99
8) 1-Methylnaphthalene	12.792	142	1732	0.037	ng/ul	100
10) Acenaphthylene	14.458	152	10405	0.121	ng/ul	98
11) Acenaphthene	14.786	153	5117	0.086	ng/ul	98
12) Fluorene	15.772	166	6886	0.102	ng/ul	99
15) Phenanthrene	17.515	178	148027	1.325	ng/ul	99
16) Anthracene	17.608	178	29268	0.290	ng/ul	99
19) Fluoranthene	19.520	202	336767	2.891	ng/ul	99
20) Pyrene	19.887	202	292890m	2.356	ng/ul	
21) Benzo(a)anthracene	21.627	228	144792	1.298	ng/ul	99
22) Chrysene	21.682	228	166172	1.509	ng/ul	98
24) Benzo(b)fluoranthene	23.401	252	214990m	2.173	ng/ul	
25) Benzo(k)fluoranthene	23.448	252	69684m	0.714	ng/ul	
26) Benzo(a)pyrene	24.076	252	129518	1.450	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.878	276	84558	0.724	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.885	278	19306	0.207	ng/ul#	80
29) Benzo(g,h,i)perylene	27.713	276	78878	0.811	ng/ul	99

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



#5
Naphthalene
Concen: 0.100 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

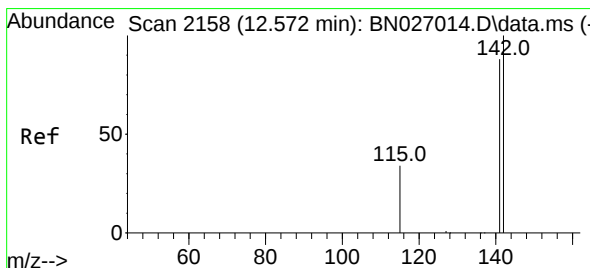
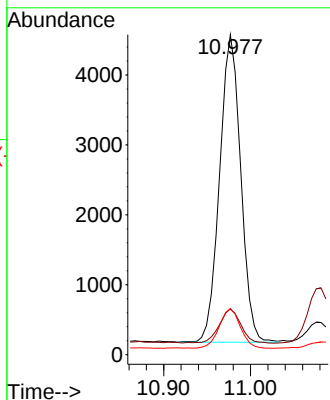
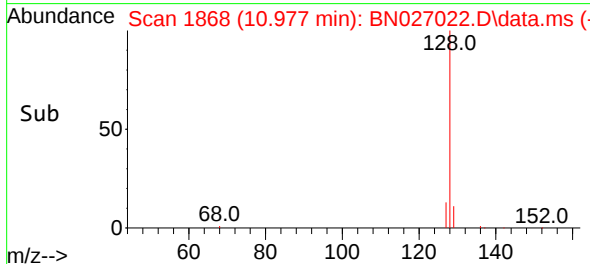
Instrument :
BNA_N
ClientSampleId :
A48P2



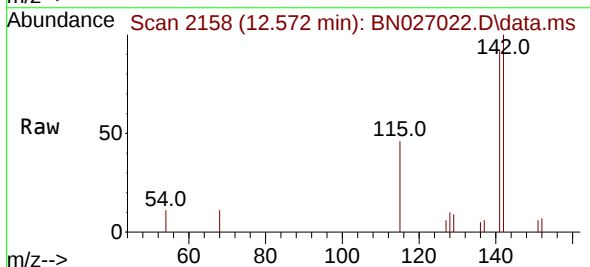
Tgt Ion:128 Resp: 744
Ion Ratio Lower Upper
128 100
129 14.3 9.2 13.8
127 14.4 10.5 15.7

Manual Integrations
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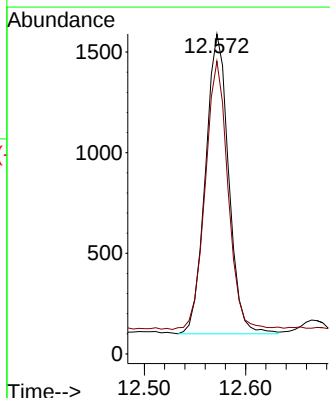
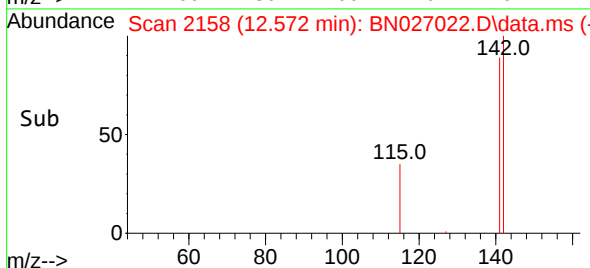
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

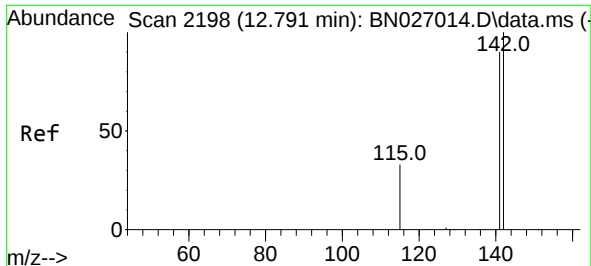


#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20



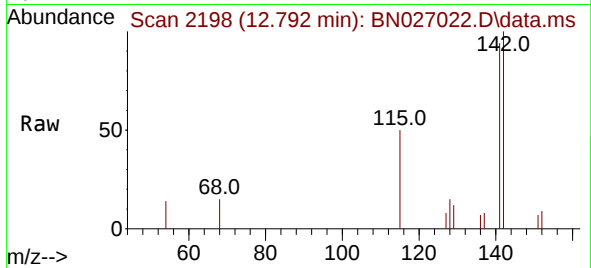
Tgt Ion:142 Resp: 2372
Ion Ratio Lower Upper
142 100
141 87.8 70.9 106.3





#8
1-Methylnaphthalene
Concen: 0.037 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

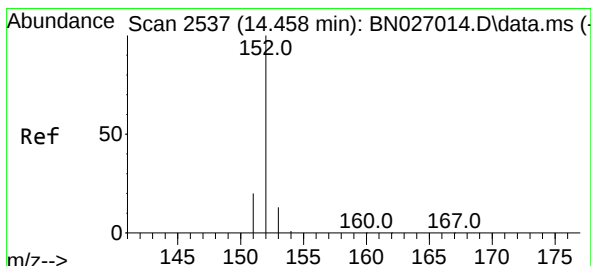
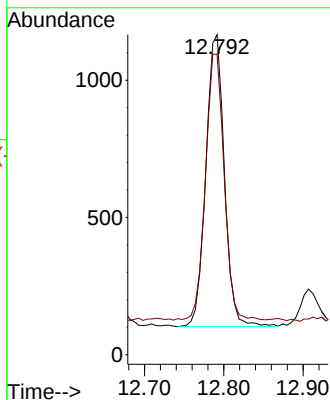
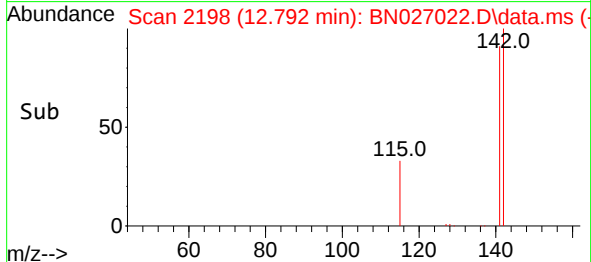
Instrument :
BNA_N
ClientSampleId :
A48P2



Tgt Ion:142 Resp: 1732
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8

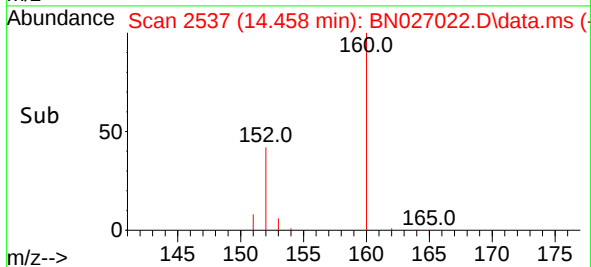
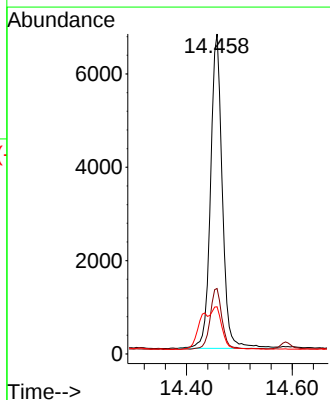
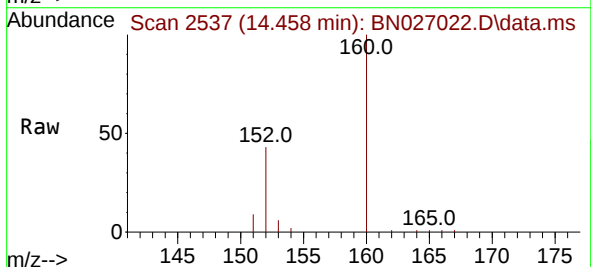
Manual Integrations
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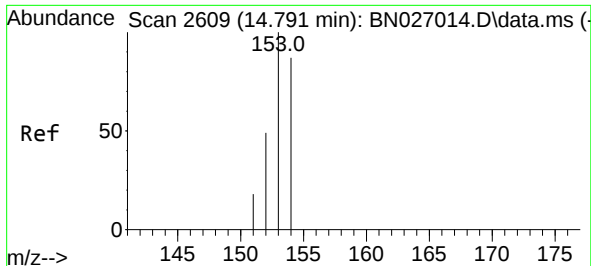
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#10
Acenaphthylene
Concen: 0.121 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

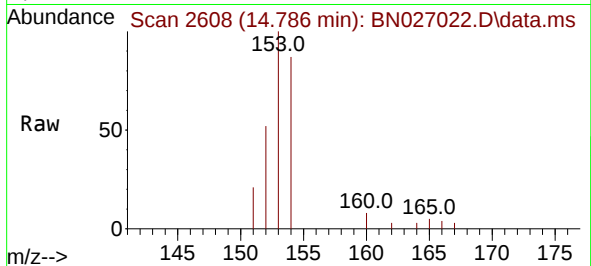
Tgt Ion:152 Resp: 10405
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 14.7 11.0 16.6





#11
Acenaphthene
Concen: 0.086 ng/u1
RT: 14.786 min Scan# 2608
Delta R.T. -0.005 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

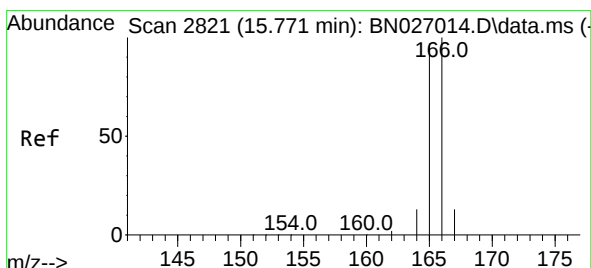
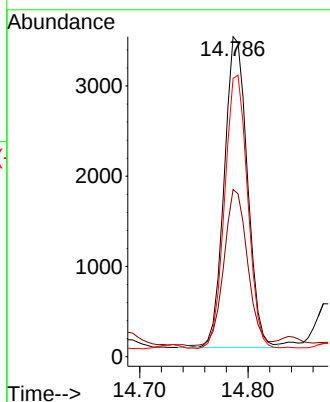
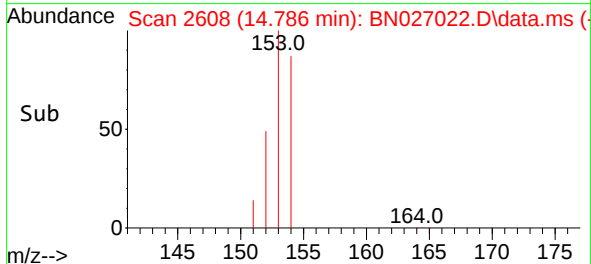
Instrument :
BNA_N
ClientSampleId :
A48P2



Tgt Ion:153 Resp: 511
Ion Ratio Lower Upper
153 100
152 52.2 41.1 61.7
154 87.0 71.6 107.4

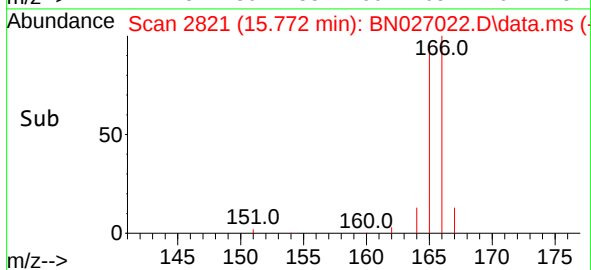
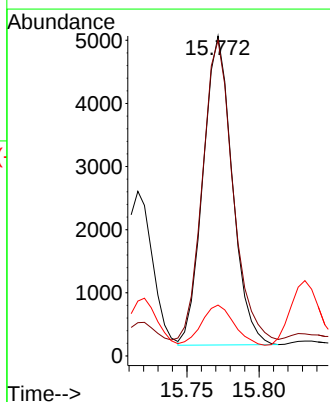
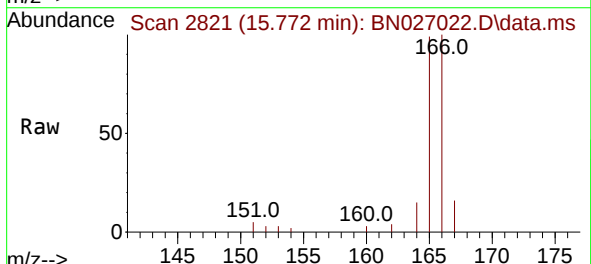
Manual Integrations
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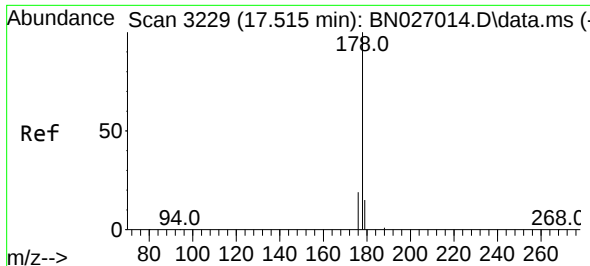
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#12
Fluorene
Concen: 0.102 ng/u1
RT: 15.772 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

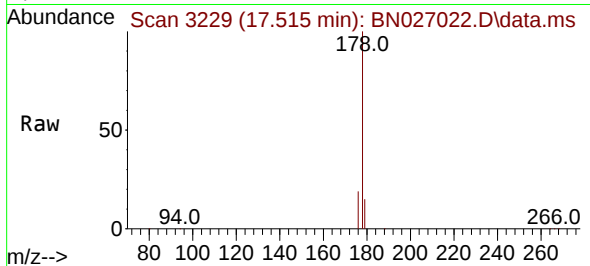
Tgt Ion:166 Resp: 6886
Ion Ratio Lower Upper
166 100
165 98.6 79.1 118.7
167 15.9 11.4 17.0





#15
Phenanthrene
Concen: 1.325 ng/ul
RT: 17.515 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

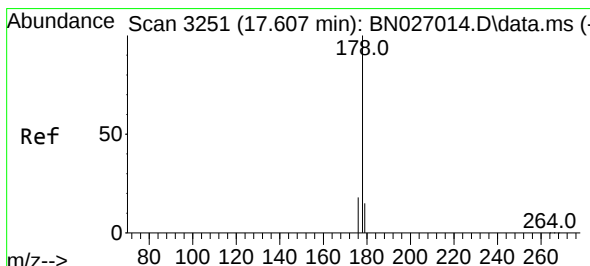
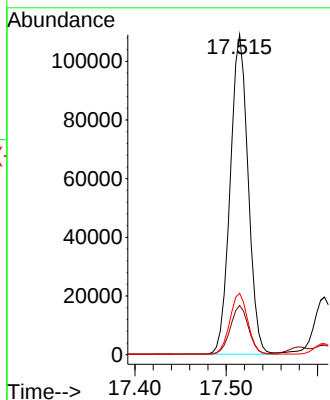
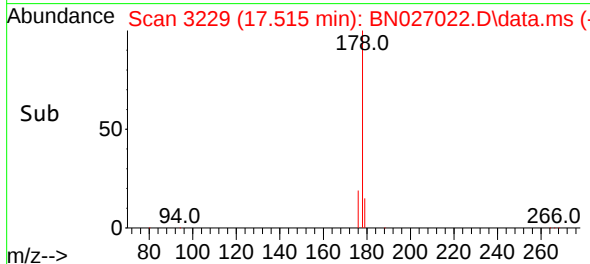
Instrument :
BNA_N
ClientSampleId :
A48P2



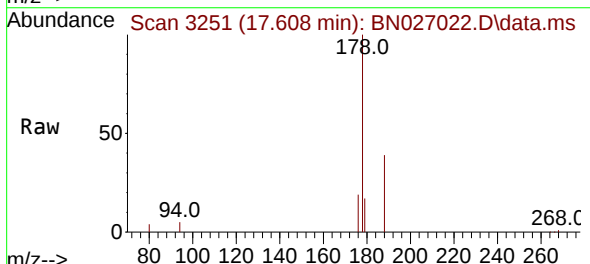
Tgt Ion:178 Resp: 14802
Ion Ratio Lower Upper
178 100
179 15.3 12.6 18.8
176 19.2 15.4 23.2

Manual Integrations
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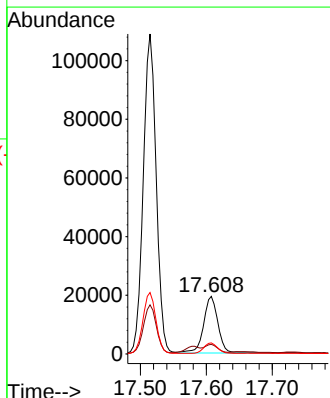
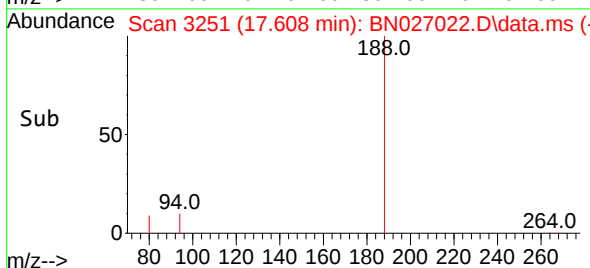
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

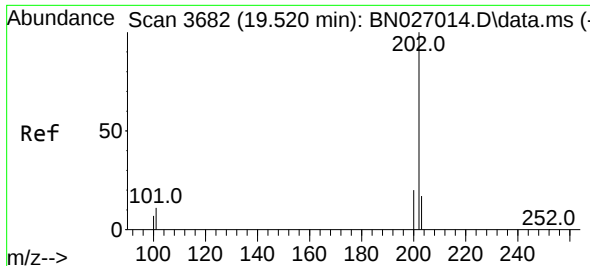


#16
Anthracene
Concen: 0.290 ng/ul
RT: 17.608 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20



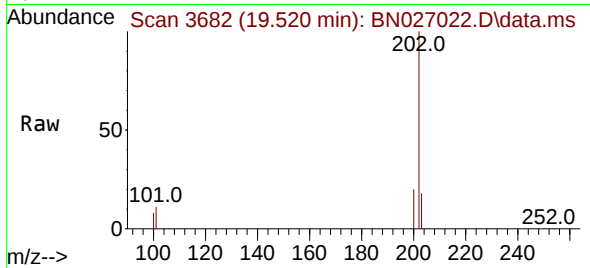
Tgt Ion:178 Resp: 29268
Ion Ratio Lower Upper
178 100
179 16.6 12.6 19.0
176 19.1 15.0 22.6





#19
Fluoranthene
Concen: 2.891 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

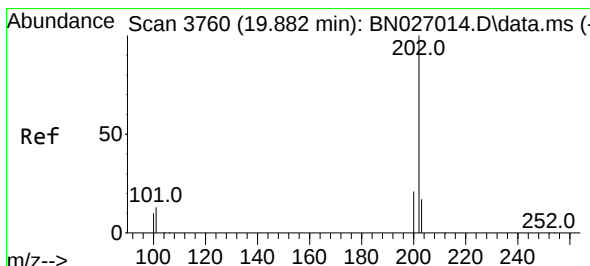
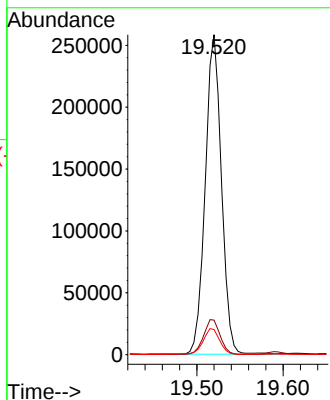
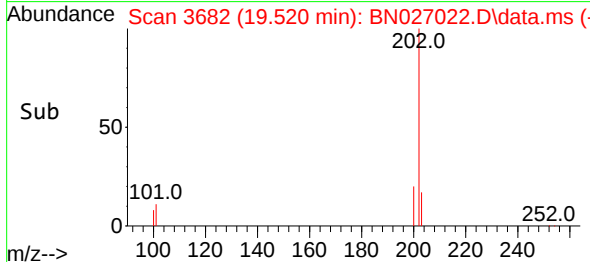
Instrument :
BNA_N
ClientSampleId :
A48P2



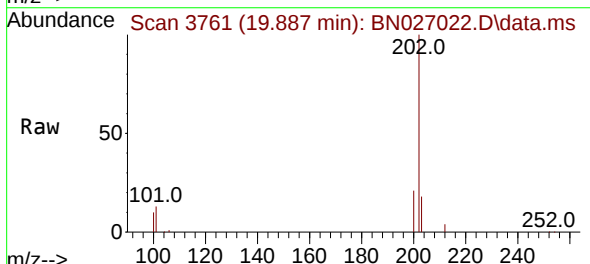
Tgt Ion:202 Resp: 33676
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 7.8 6.2 9.2

Manual Integrations
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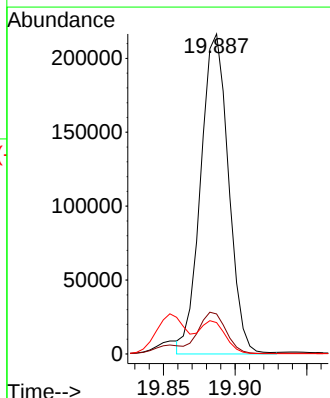
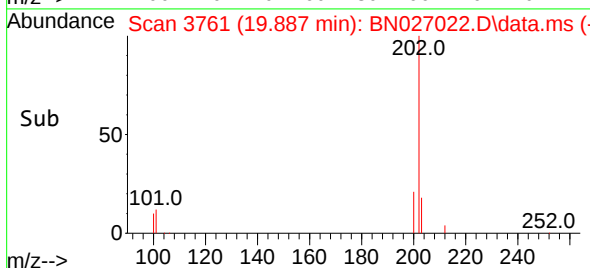
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

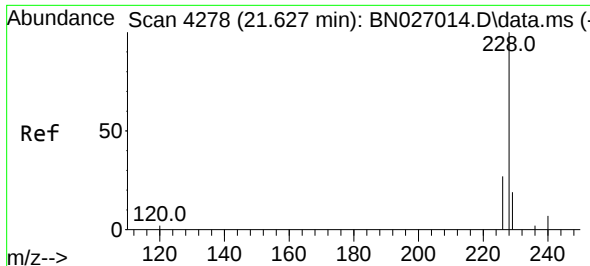


#20
Pyrene
Concen: 2.356 ng/ul m
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20



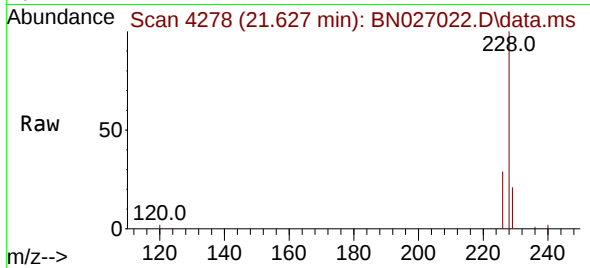
Tgt Ion:202 Resp: 292890
Ion Ratio Lower Upper
202 100
101 12.5 10.7 16.1
100 9.8 8.5 12.7





#21
Benzo(a)anthracene
Concen: 1.298 ng/ul
RT: 21.627 min Scan# 4278
Delta R.T. -0.006 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

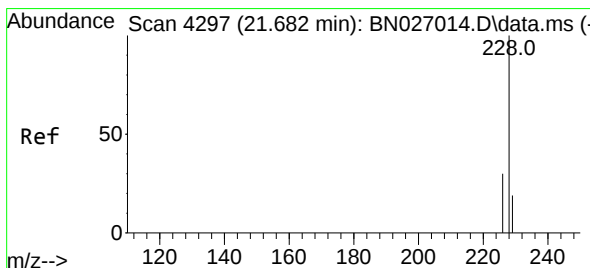
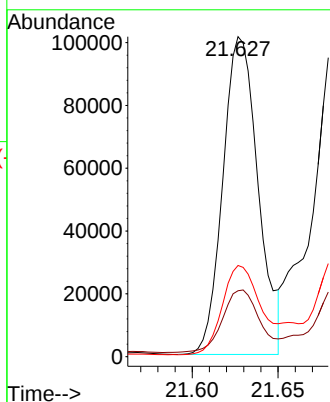
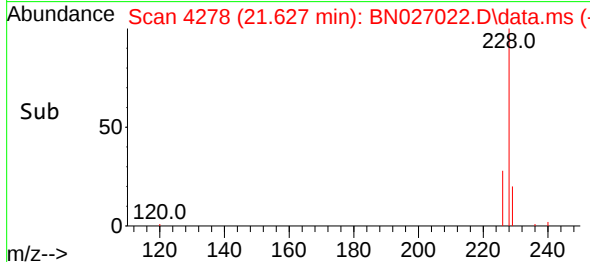
Instrument :
BNA_N
ClientSampleId :
A48P2



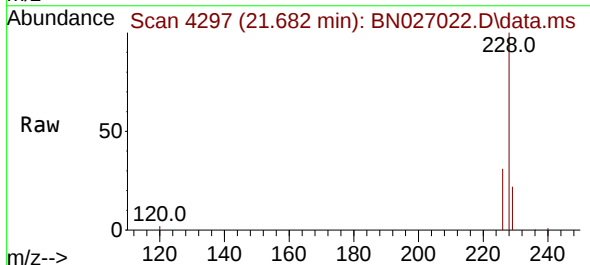
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Ion Ratio Lower Upper
228 100
229 20.6 16.0 24.0
226 28.5 22.2 33.2

Manual Integrations
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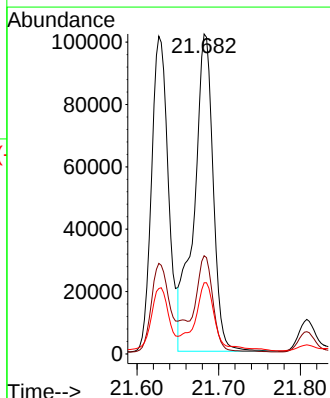
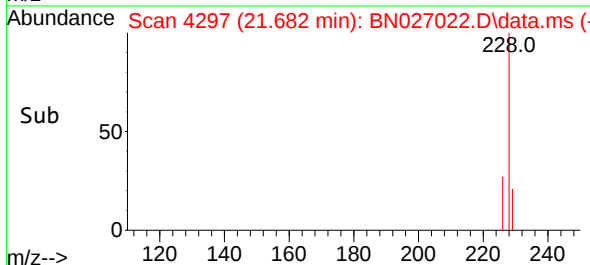
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023

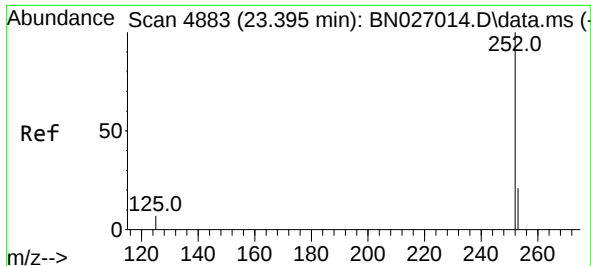


#22
Chrysene
Concen: 1.509 ng/ul
RT: 21.682 min Scan# 4297
Delta R.T. -0.009 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20



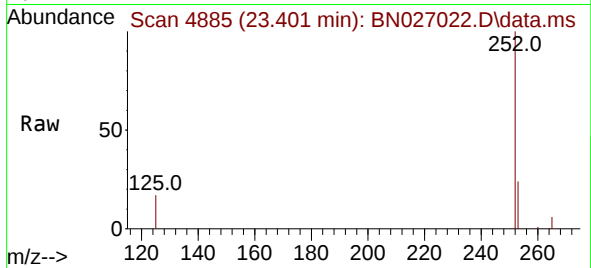
Tgt Ion:228 Resp: 166172
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.173 ng/ul m
RT: 23.401 min Scan# 4885
Delta R.T. -0.006 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

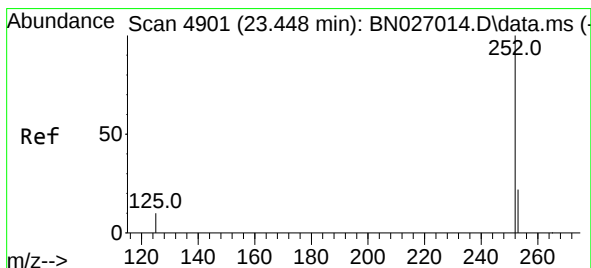
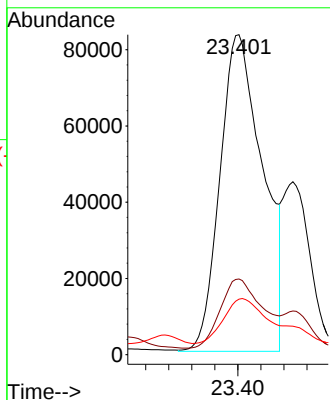
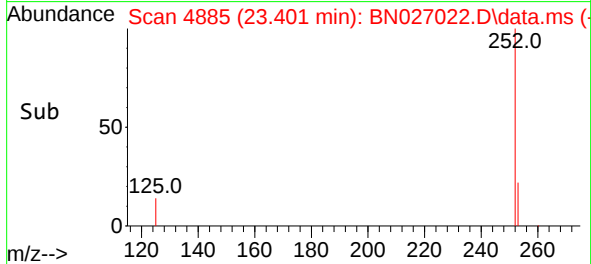
Instrument :
BNA_N
ClientSampleId :
A48P2



Tgt Ion:252 Resp: 214990
Ion Ratio Lower Upper
252 100
253 23.7 0.0 46.8
125 17.4 0.0 25.2

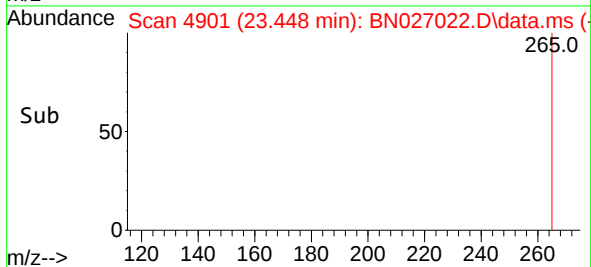
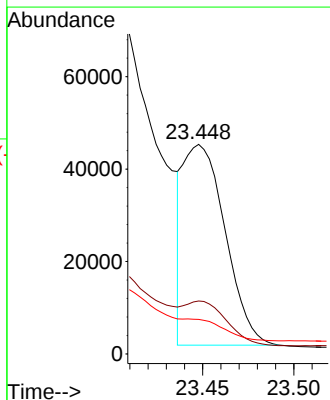
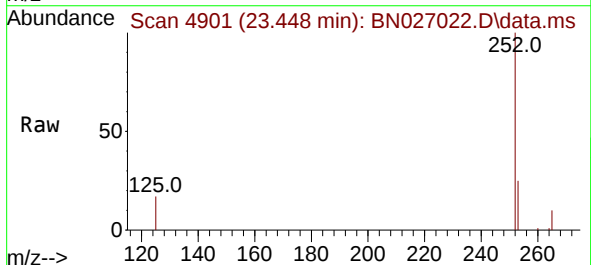
Manual Integrations
APPROVED

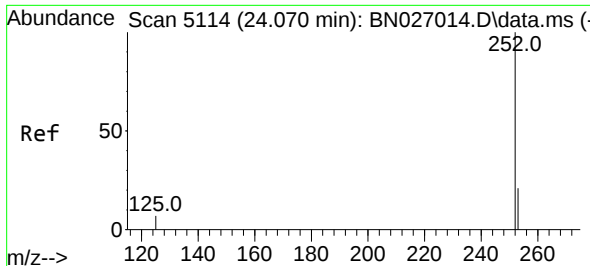
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.714 ng/ul m
RT: 23.448 min Scan# 4901
Delta R.T. -0.012 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

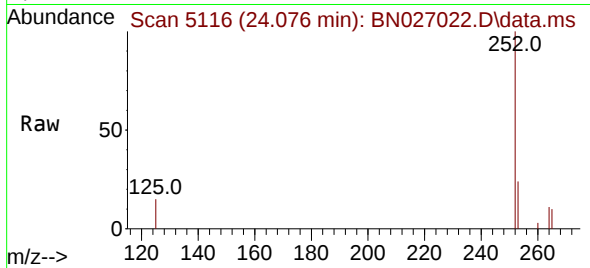
Tgt Ion:252 Resp: 69684
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.4
125 16.5 9.9 14.9#





#26
Benzo(a)pyrene
Concen: 1.450 ng/ul
RT: 24.076 min Scan# 5114
Delta R.T. -0.009 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

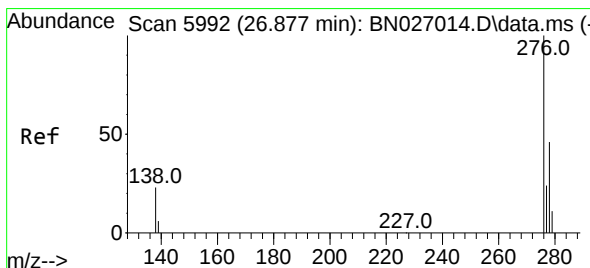
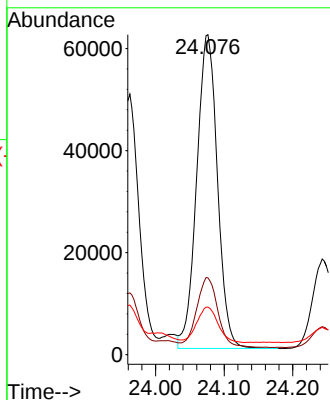
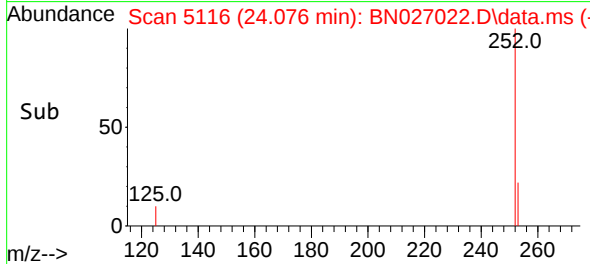
Instrument :
BNA_N
ClientSampleId :
A48P2



Tgt Ion:252 Resp: 129518
Ion Ratio Lower Upper
252 100
253 24.0 19.0 28.6
125 14.9 11.4 17.0

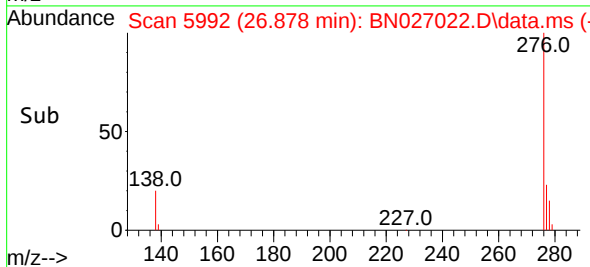
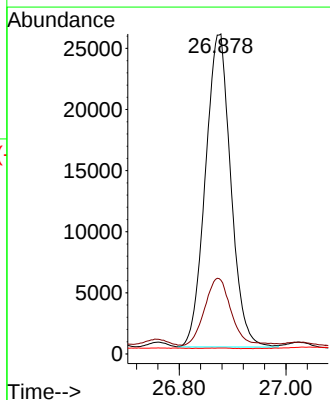
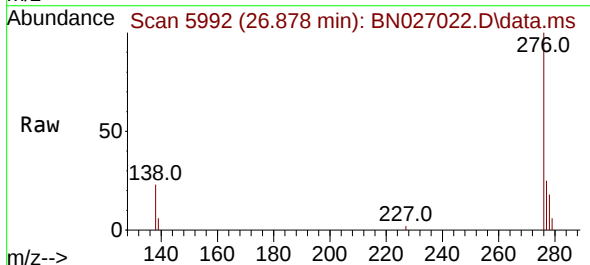
Manual Integrations
APPROVED

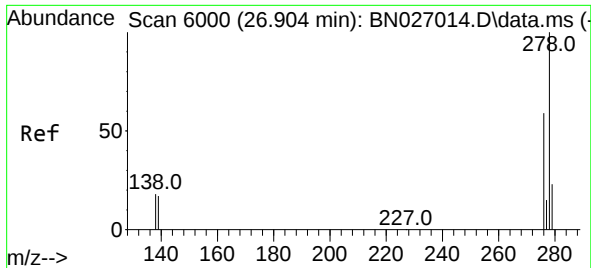
Reviewed By :Yogesh Patel 08/23/2023
Supervised By :mohammad ahmed 08/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.724 ng/ul
RT: 26.878 min Scan# 5992
Delta R.T. -0.007 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

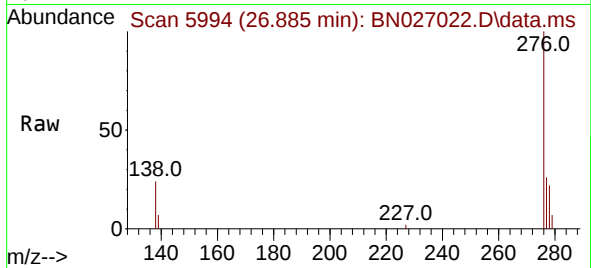
Tgt Ion:276 Resp: 84558
Ion Ratio Lower Upper
276 100
138 22.2 21.6 32.4
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.207 ng/ul
RT: 26.885 min Scan# 5994
Delta R.T. -0.037 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20

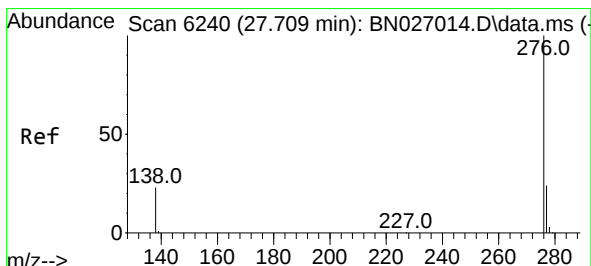
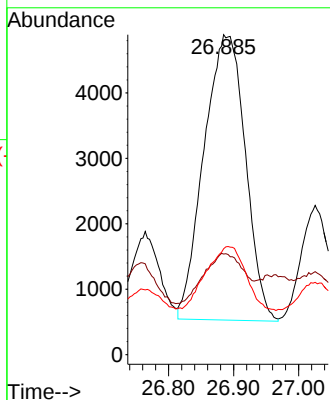
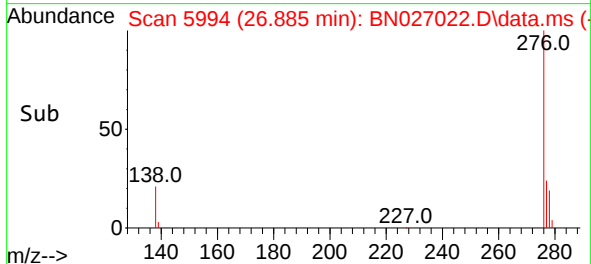
Instrument :
BNA_N
ClientSampleId :
A48P2



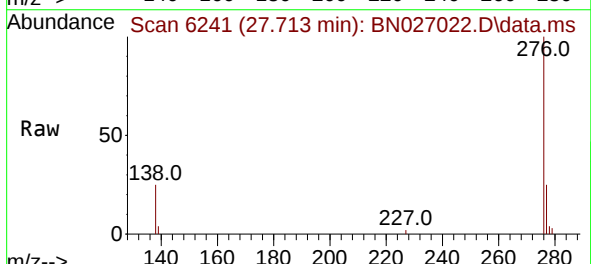
Tgt Ion: 278 Resp: 19300
Ion Ratio Lower Upper
278 100
139 31.5 15.7 23.5
279 33.1 20.2 30.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/23/2023
Supervised By : mohammad ahmed 08/24/2023



#29
Benzo(g,h,i)perylene
Concen: 0.811 ng/ul
RT: 27.713 min Scan# 6241
Delta R.T. -0.010 min
Lab File: BN027022.D
Acq: 22 Aug 2023 10:20



Tgt Ion: 276 Resp: 78878
Ion Ratio Lower Upper
276 100
138 24.9 19.3 28.9
277 25.4 19.8 29.8

