

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071323\
 Data File : BN026488.D
 Acq On : 13 Jul 2023 12:03
 Operator : MA/JU
 Sample : 03414-21MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4634MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023

Quant Time: Jul 14 04:22:08 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 16:59:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	3573	0.400	ng/ul	0.00
4) Naphthalene-d8	10.792	136	11657	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.616	164	7723	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.359	188	22679	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.552	240	9532	0.400	ng/ul	#-0.01
23) Perylene-d12	23.987	264	12157	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.339	96	996	0.212	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.376	152	2942	0.186	ng/ul	0.00
18) Fluoranthene-d10	19.386	212	5714	0.173	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.373	88	2230	0.501	ng/ul#	51
5) Naphthalene	10.842	128	703611	21.981	ng/ul	96
7) 2-Methylnaphthalene	12.447	142	148259	8.163	ng/ul	99
8) 1-Methylnaphthalene	12.667	142	94557	4.860	ng/ul	99
10) Acenaphthylene	14.339	152	53574	1.417	ng/ul#	96
11) Acenaphthene	14.676	153	171554	5.954	ng/ul	98
12) Fluorene	15.662	166	197523	6.535	ng/ul	98
14) Pentachlorophenol	17.022	266	938	0.164	ng/ul	98
15) Phenanthrene	17.402	178	3066652	42.458	ng/ul	97
16) Anthracene	17.494	178	450548	7.188	ng/ul	95
19) Fluoranthene	19.419	202	2702154	60.478	ng/ul	98
20) Pyrene	19.782	202	2265742	46.694	ng/ul	99
21) Benzo(a)anthracene	21.532	228	890158	25.412	ng/ul	98
22) Chrysene	21.590	228	895277	22.453	ng/ul	97
24) Benzo(b)fluoranthene	23.242	252	939551m	19.837	ng/ul	
25) Benzo(k)fluoranthene	23.285	252	367179m	7.396	ng/ul	
26) Benzo(a)pyrene	23.879	252	559018	13.260	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.527	276	406402	7.354	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.534	278	114557m	2.701	ng/ul	
29) Benzo(g,h,i)perylene	27.312	276	42217	0.865	ng/ul#	92

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

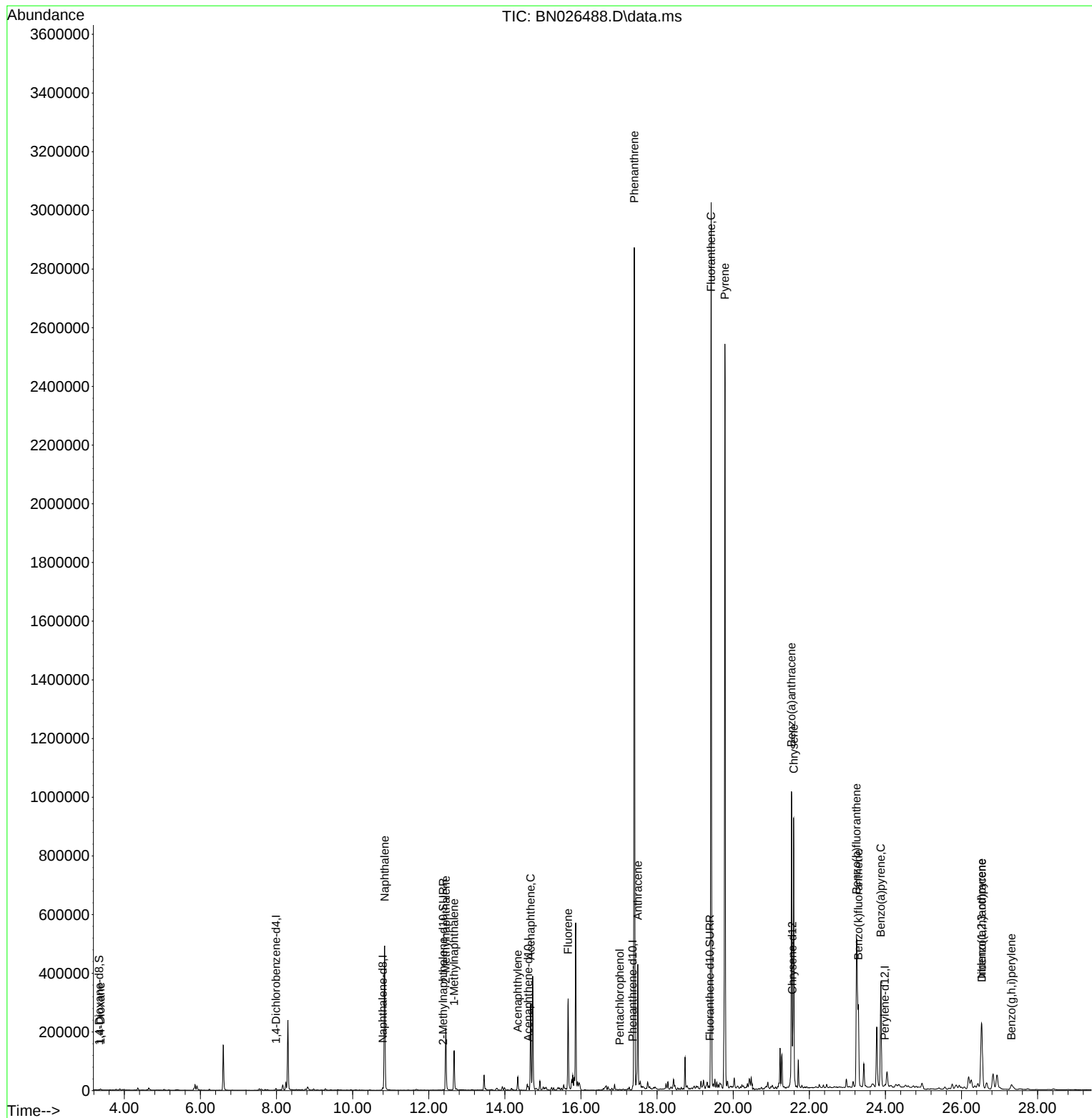
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071323\
Data File : BN026488.D
Acq On : 13 Jul 2023 12:03
Operator : MA/JU
Sample : 03414-21MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

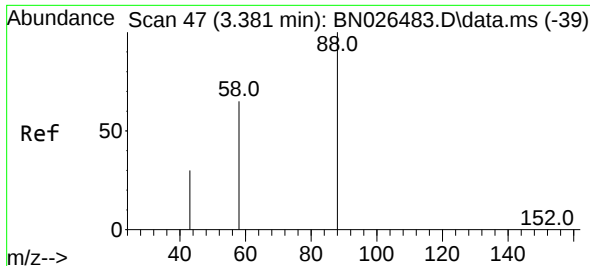
Instrument :
BNA_N
ClientSampleId :
A4634MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

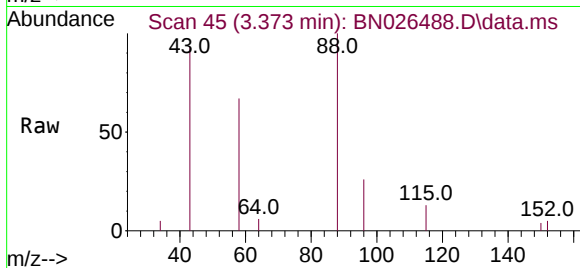
Quant Time: Jul 14 04:22:08 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 16:59:14 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 0.501 ng/ul
RT: 3.373 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

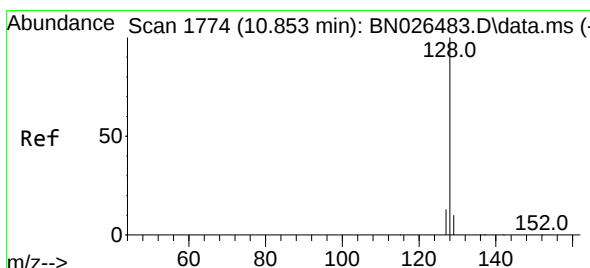
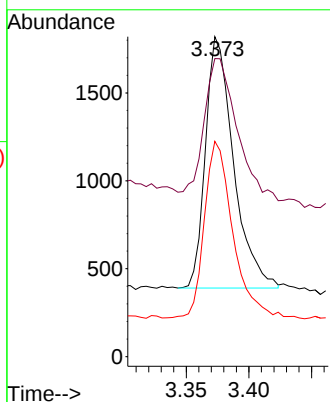
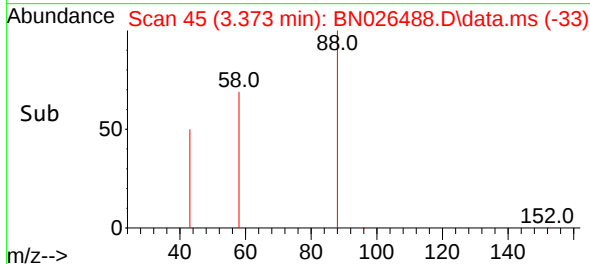
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion: 88 Resp: 2230
Ion Ratio Lower Upper
88 100
43 93.1 33.0 49.6
58 67.3 41.7 62.5

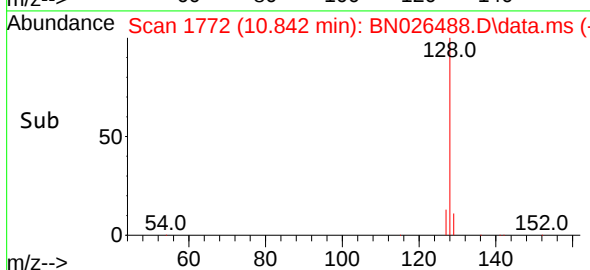
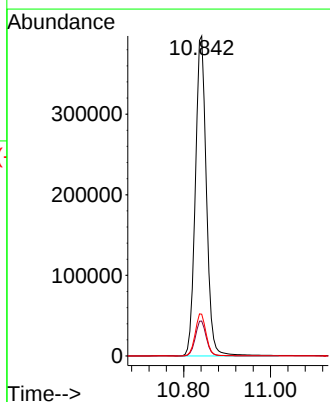
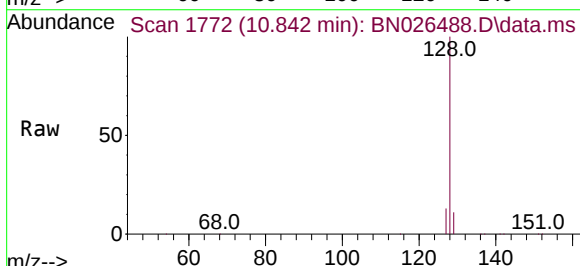
Manual Integrations
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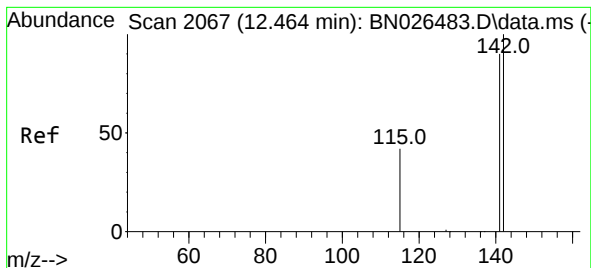
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#5
Naphthalene
Concen: 21.981 ng/ul
RT: 10.842 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

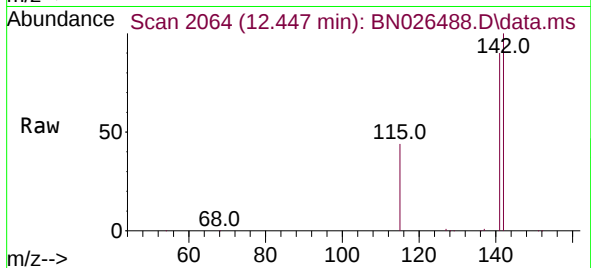
Tgt Ion:128 Resp: 703611
Ion Ratio Lower Upper
128 100
129 10.9 10.2 15.2
127 13.1 11.4 17.0





#7
2-Methylnaphthalene
Concen: 8.163 ng/ul
RT: 12.447 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

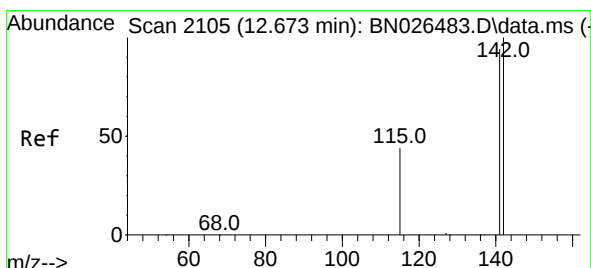
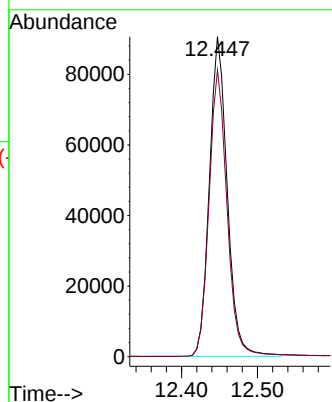
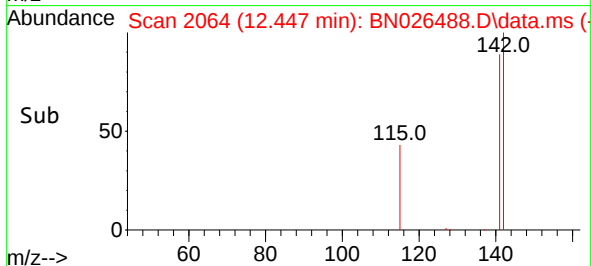
Instrument :
BNA_N
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A4634MSD



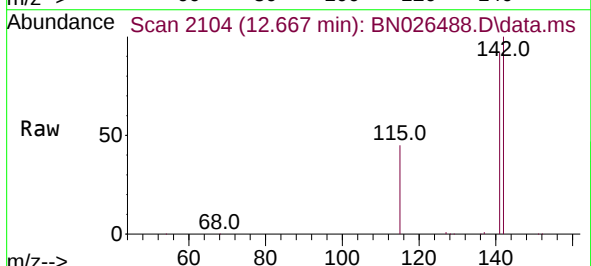
Tgt Ion:142 Resp: 148259
Ion Ratio Lower Upper
142 100
141 89.9 72.3 108.5

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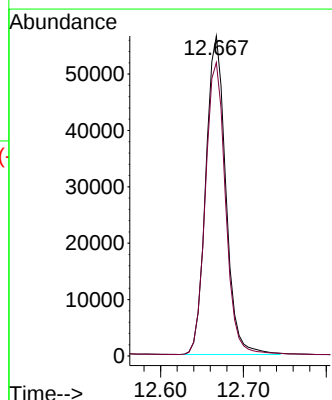
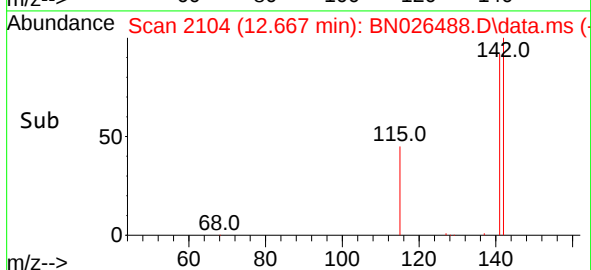
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

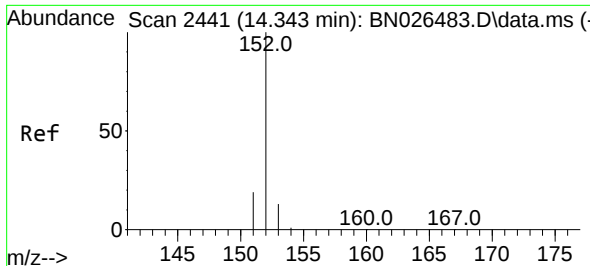


#8
1-Methylnaphthalene
Concen: 4.860 ng/ul
RT: 12.667 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03



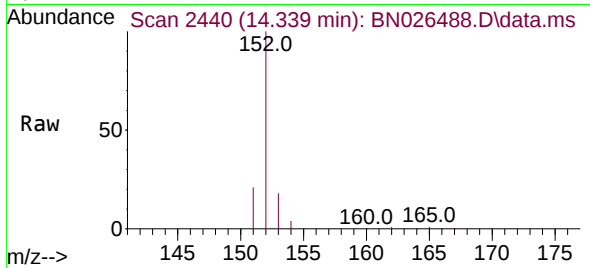
Tgt Ion:142 Resp: 94557
Ion Ratio Lower Upper
142 100
141 92.4 74.5 111.7





#10
Acenaphthylene
Concen: 1.417 ng/ul
RT: 14.339 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

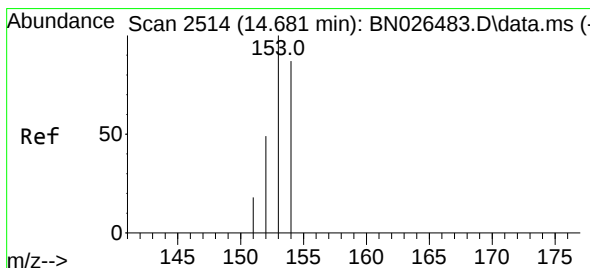
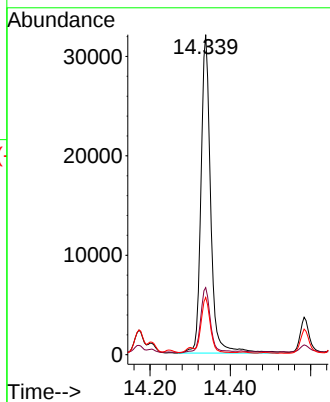
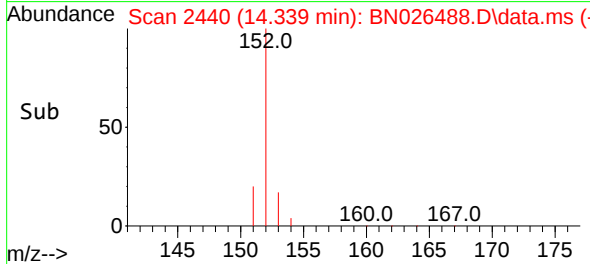
Instrument :
BNA_N
ClientSampleId :
A4634MSD



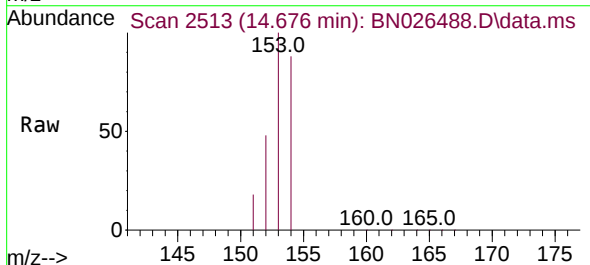
Tgt Ion:152 Resp: 53574
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6
153 17.9 11.4 17.2

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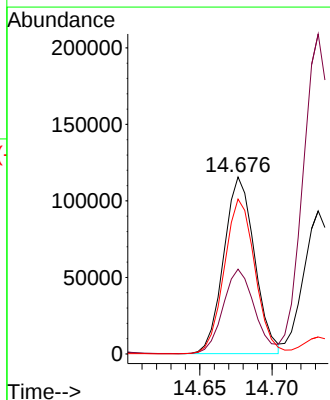
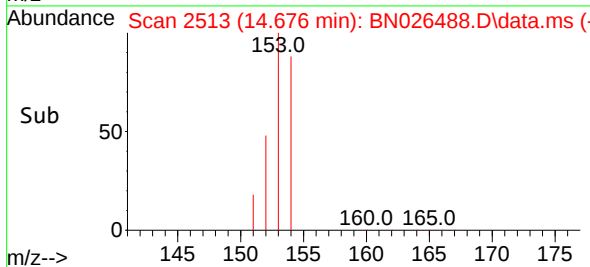
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

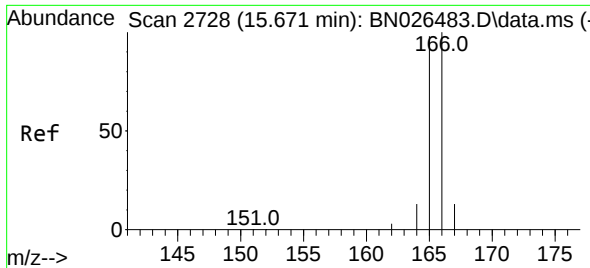


#11
Acenaphthene
Concen: 5.954 ng/ul
RT: 14.676 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03



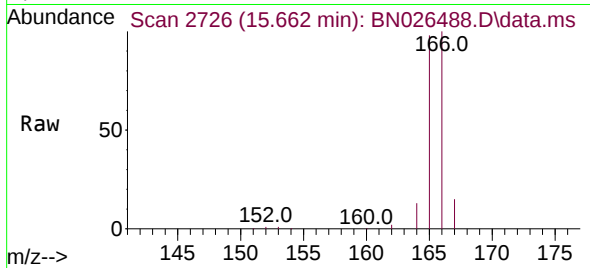
Tgt Ion:153 Resp: 171554
Ion Ratio Lower Upper
153 100
152 47.9 40.2 60.4
154 87.5 69.3 103.9





#12
Fluorene
Concen: 6.535 ng/ul
RT: 15.662 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

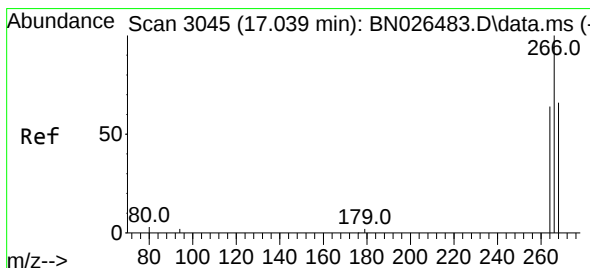
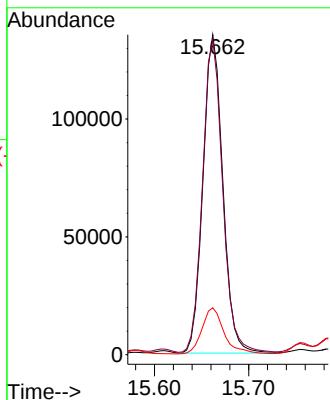
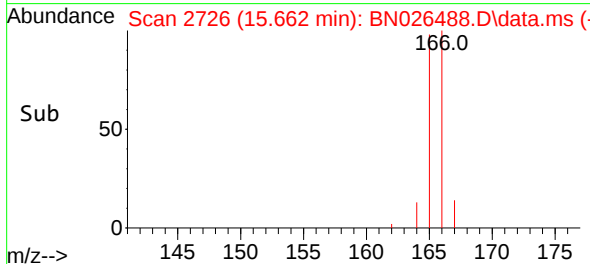
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:166 Resp: 19752
Ion Ratio Lower Upper
166 100
165 98.4 80.6 120.8
167 14.6 12.0 18.0

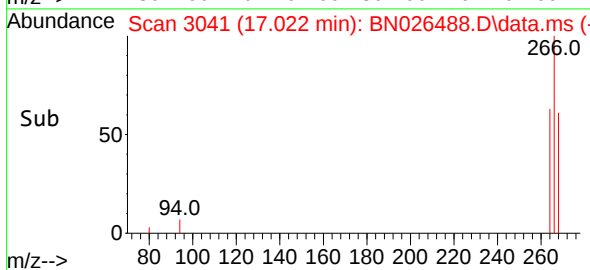
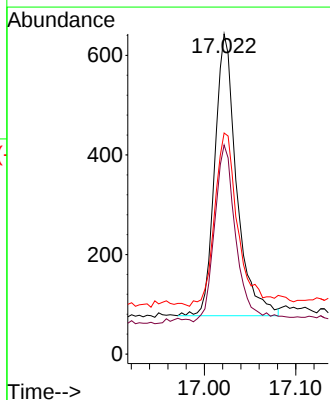
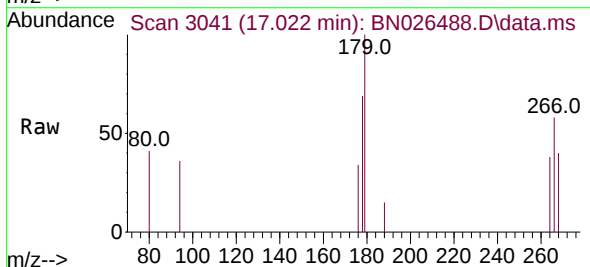
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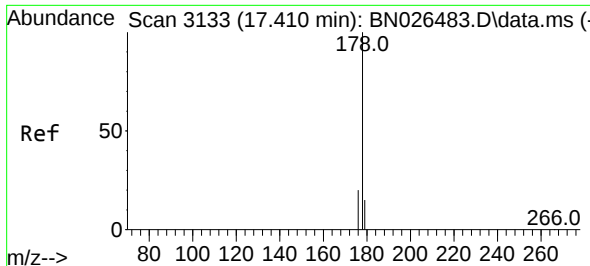
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#14
Pentachlorophenol
Concen: 0.164 ng/ul
RT: 17.022 min Scan# 3041
Delta R.T. -0.008 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

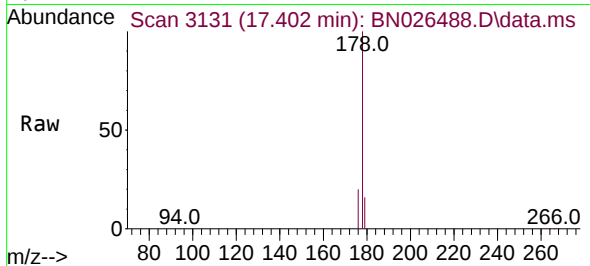
Tgt Ion:266 Resp: 938
Ion Ratio Lower Upper
266 100
264 63.8 52.0 78.0
268 67.9 53.0 79.6





#15
Phenanthrene
Concen: 42.458 ng/ul
RT: 17.402 min Scan# 3131
Delta R.T. -0.004 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

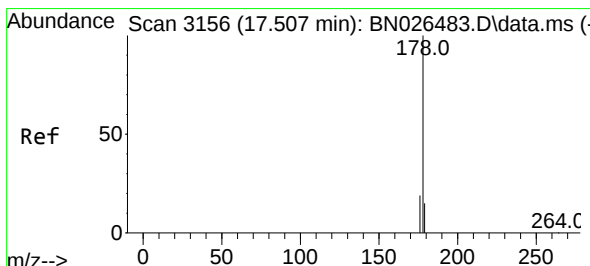
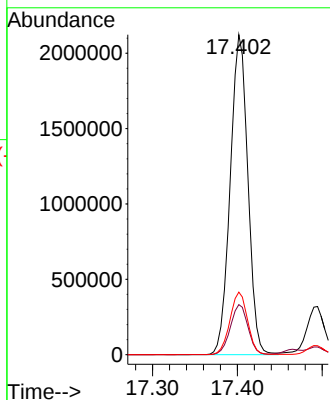
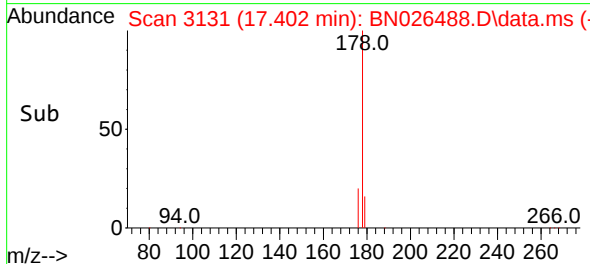
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:178 Resp: 3066652
Ion Ratio Lower Upper
178 100
179 15.7 13.7 20.5
176 19.6 16.5 24.7

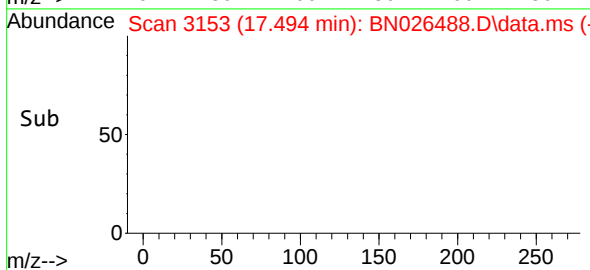
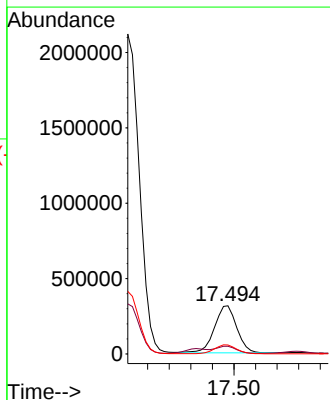
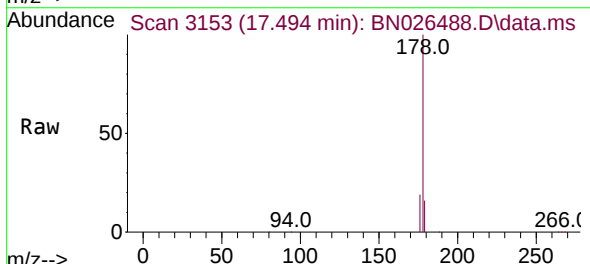
Manual Integrations
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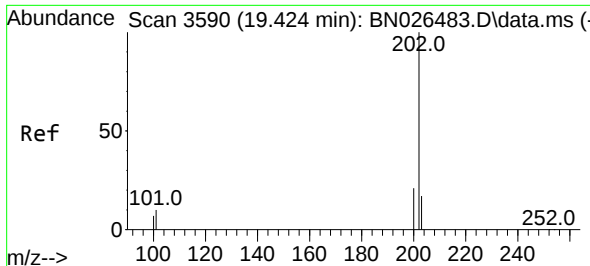
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#16
Anthracene
Concen: 7.188 ng/ul
RT: 17.494 min Scan# 3153
Delta R.T. -0.008 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

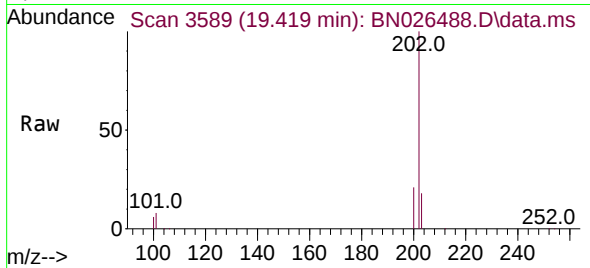
Tgt Ion:178 Resp: 450548
Ion Ratio Lower Upper
178 100
179 15.9 14.8 22.2
176 18.6 16.6 25.0





#19
Fluoranthene
Concen: 60.478 ng/uI
RT: 19.419 min Scan# 3589
Delta R.T. -0.005 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

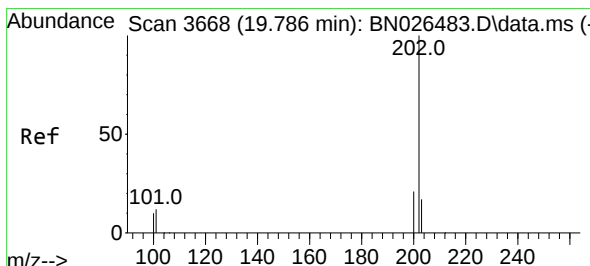
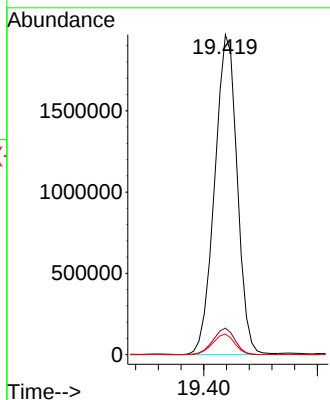
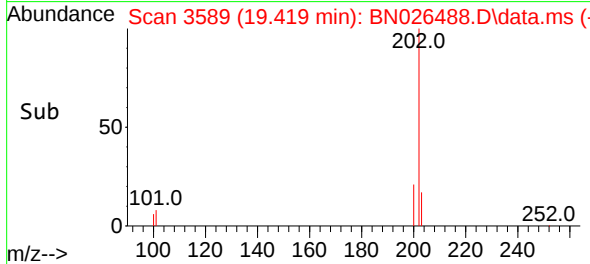
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:202 Resp: 2702154
Ion Ratio Lower Upper
202 100
101 8.3 7.0 10.4
100 6.5 6.0 9.0

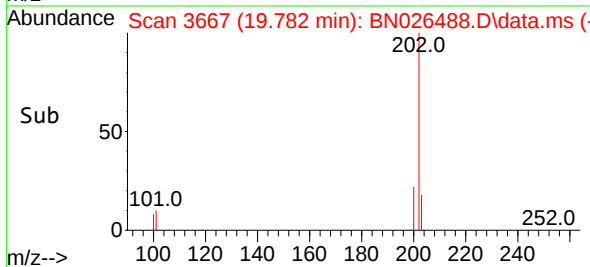
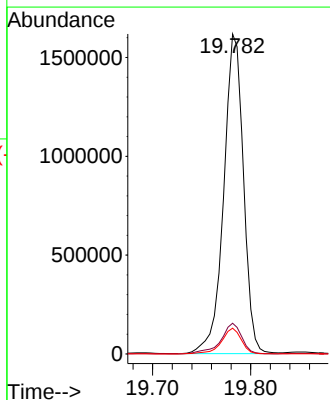
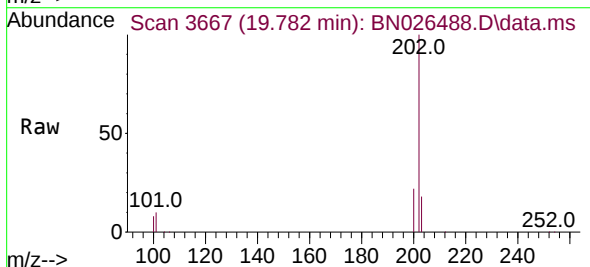
Manual Integrations
APPROVED

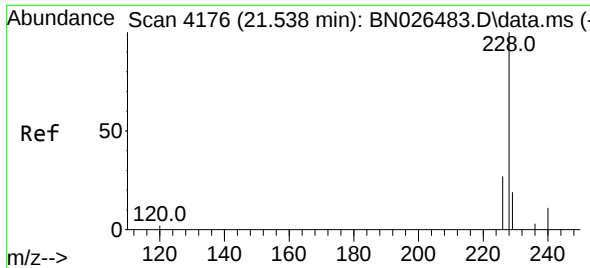
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#20
Pyrene
Concen: 46.694 ng/uI
RT: 19.782 min Scan# 3667
Delta R.T. -0.009 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

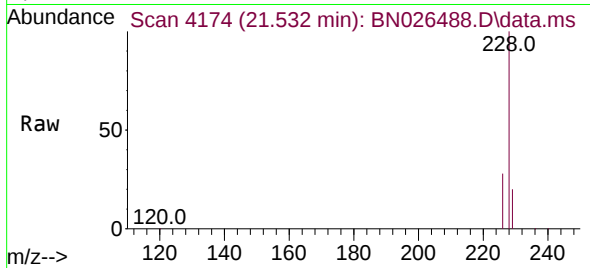
Tgt Ion:202 Resp: 2265742
Ion Ratio Lower Upper
202 100
101 9.6 8.0 12.0
100 8.0 6.2 9.2





#21
Benzo(a)anthracene
Concen: 25.412 ng/ul
RT: 21.532 min Scan# 4176
Delta R.T. -0.015 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

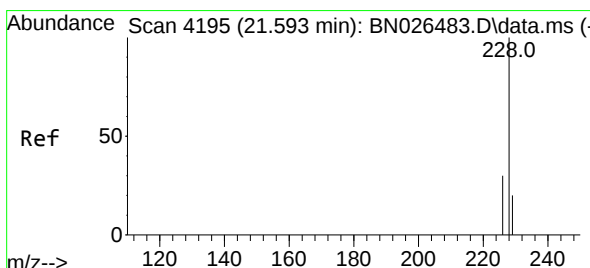
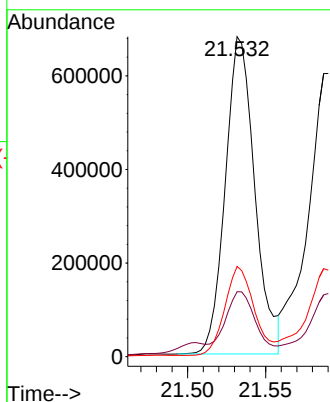
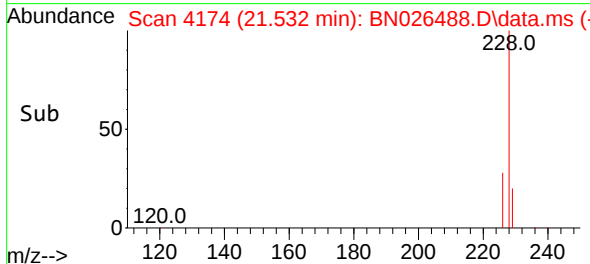
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:228 Resp: 890158
Ion Ratio Lower Upper
228 100
229 20.3 16.7 25.1
226 28.2 23.5 35.3

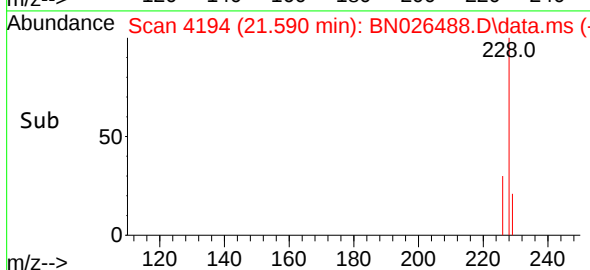
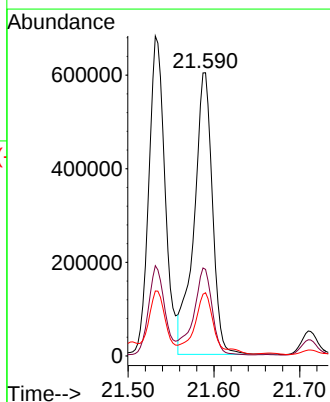
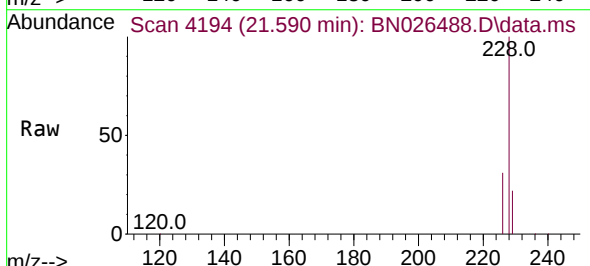
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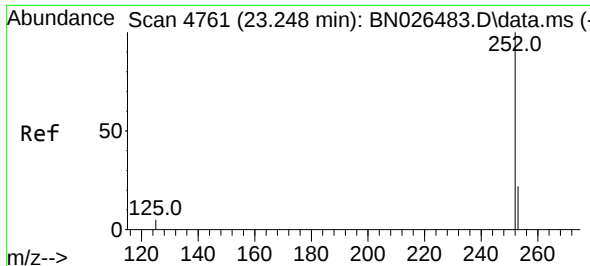
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#22
Chrysene
Concen: 22.453 ng/ul
RT: 21.590 min Scan# 4194
Delta R.T. -0.009 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

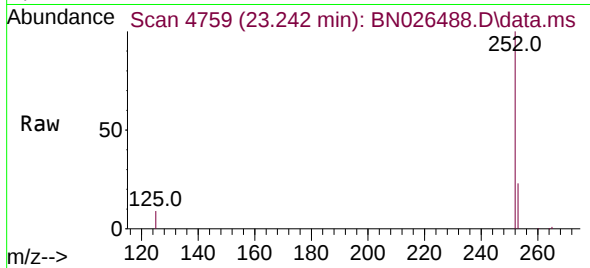
Tgt Ion:228 Resp: 895277
Ion Ratio Lower Upper
228 100
226 30.5 25.2 37.8
229 22.3 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 19.837 ng/ul m
RT: 23.242 min Scan# 4759
Delta R.T. -0.012 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

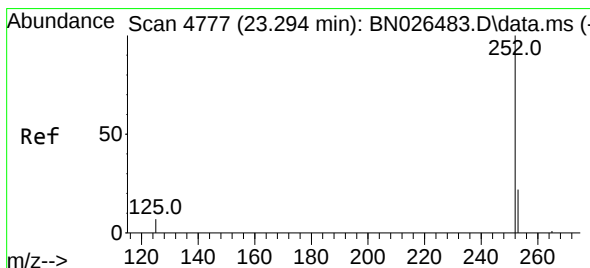
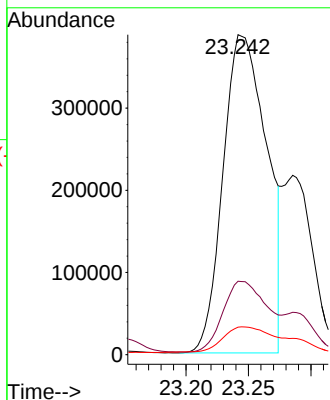
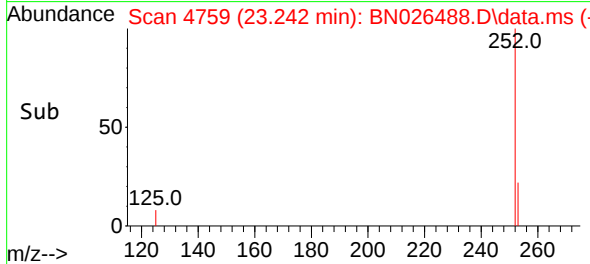
Instrument :
BNA_N
ClientSampleId :
A4634MSD



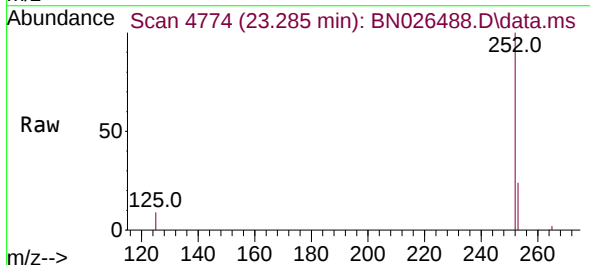
Tgt Ion:252 Resp: 93955
Ion Ratio Lower Upper
252 100
253 22.9 0.0 68.6
125 8.6 0.0 34.0

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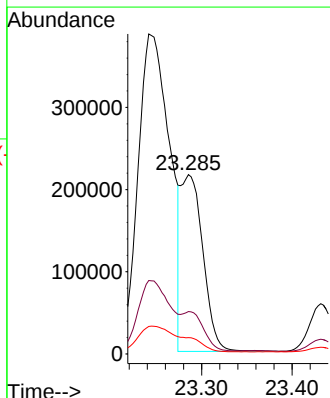
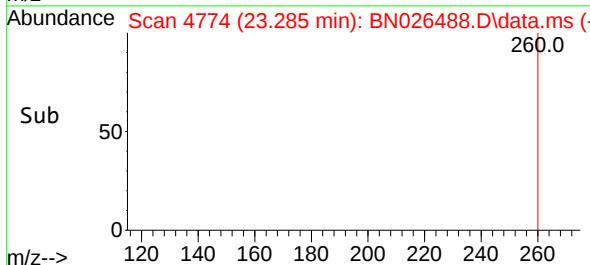
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

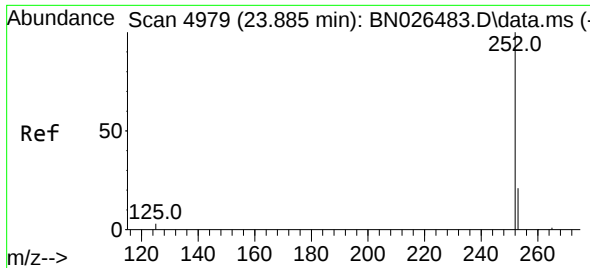


#25
Benzo(k)fluoranthene
Concen: 7.396 ng/ul m
RT: 23.285 min Scan# 4774
Delta R.T. -0.018 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03



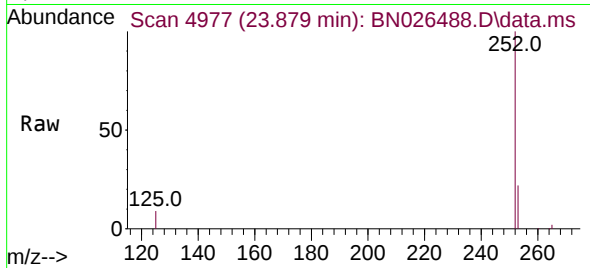
Tgt Ion:252 Resp: 367179
Ion Ratio Lower Upper
252 100
253 23.7 27.2 40.8#
125 9.1 13.4 20.2#





#26
Benzo(a)pyrene
Concen: 13.260 ng/ul
RT: 23.879 min Scan# 4979
Delta R.T. -0.015 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

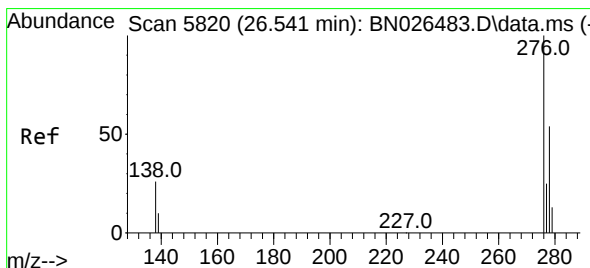
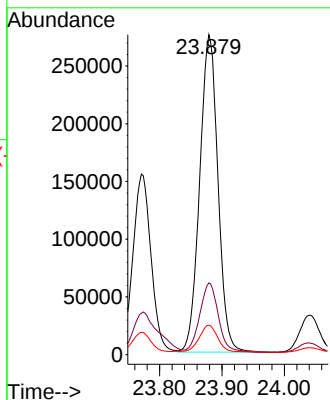
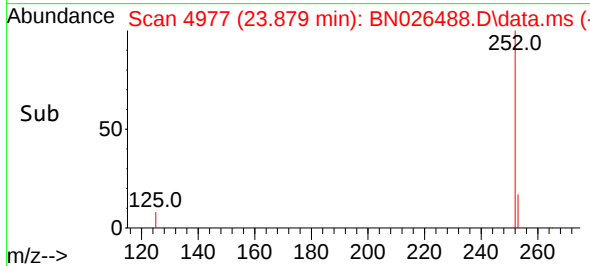
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:252 Resp: 559018
Ion Ratio Lower Upper
252 100
253 22.4 32.6 49.0#
125 9.2 19.3 28.9#

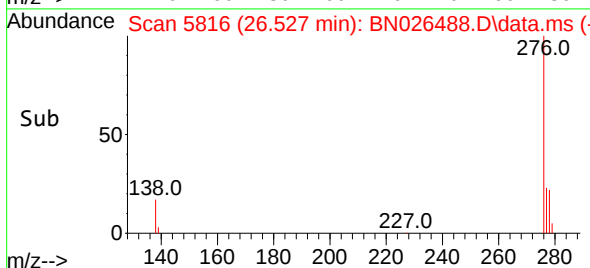
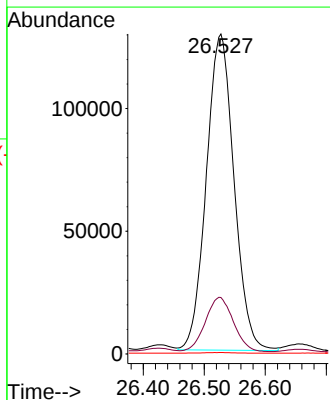
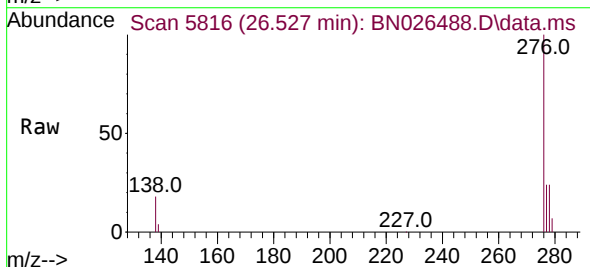
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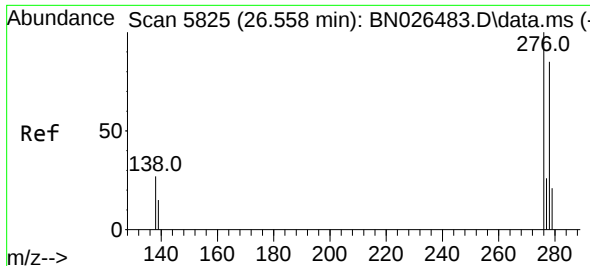
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 7.354 ng/ul
RT: 26.527 min Scan# 5816
Delta R.T. -0.023 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

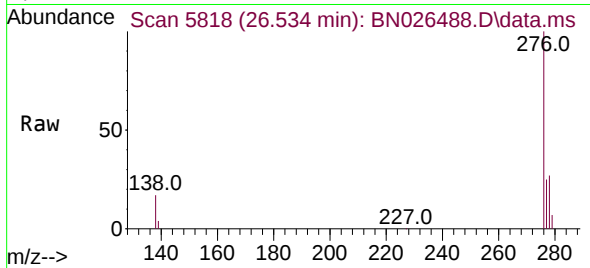
Tgt Ion:276 Resp: 406402
Ion Ratio Lower Upper
276 100
138 17.4 22.2 33.4#
227 0.2 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 2.701 ng/ul m
RT: 26.534 min Scan# 5818
Delta R.T. -0.030 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

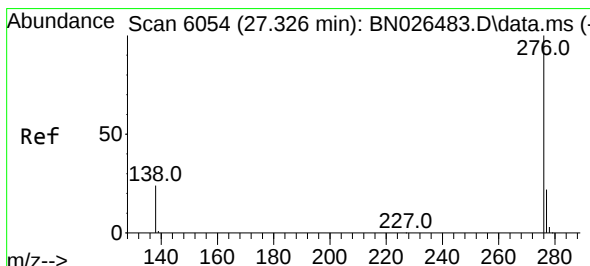
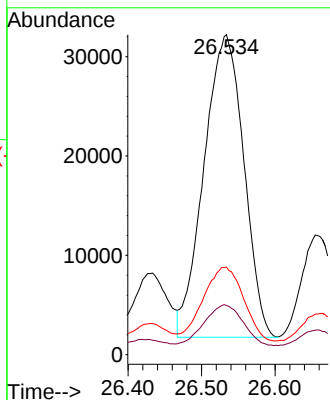
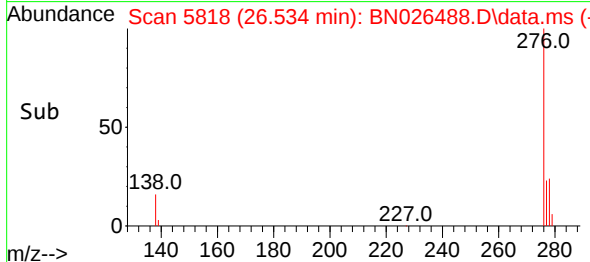
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:278 Resp: 11455
Ion Ratio Lower Upper
278 100
139 15.3 18.9 28.3
279 27.4 31.3 46.9

Manual Integrations
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Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#29
Benzo(g,h,i)perylene
Concen: 0.865 ng/ul
RT: 27.312 min Scan# 6050
Delta R.T. -0.020 min
Lab File: BN026488.D
Acq: 13 Jul 2023 12:03

Tgt Ion:276 Resp: 42217
Ion Ratio Lower Upper
276 100
138 21.9 22.6 34.0
277 29.3 21.8 32.8

