

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071423\
 Data File : BN026512.D
 Acq On : 14 Jul 2023 22:36
 Operator : MA/JU
 Sample : 03414-21MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4634MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 15 01:56:40 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 : Sat Jul 15 01:53:23 2023
 Response via : Initial Calibration

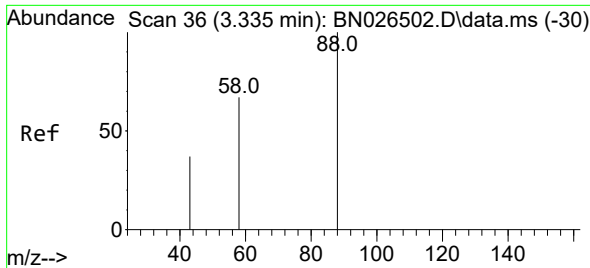
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	2820	0.400	ng/ul	0.00
4) Naphthalene-d8	10.759	136	9180	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.584	164	5969	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.330	188	19617	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.514	240	11892	0.400	ng/ul	0.00
23) Perylene-d12	23.932	264	11670	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	1798	0.484	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.349	152	4346	0.348	ng/ul	0.00
18) Fluoranthene-d10	19.354	212	13204	0.320	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.335	88	4240	1.206	ng/ul	92
5) Naphthalene	10.809	128	8175	0.324	ng/ul	99
7) 2-Methylnaphthalene	12.420	142	5087	0.356	ng/ul	97
8) 1-Methylnaphthalene	12.634	142	5955	0.389	ng/ul	100
10) Acenaphthylene	14.306	152	10442	0.357	ng/ul	96
11) Acenaphthene	14.649	153	8742	0.393	ng/ul	99
12) Fluorene	15.634	166	11236	0.481	ng/ul	98
14) Pentachlorophenol	16.992	266	2137	0.432	ng/ul	95
15) Phenanthrene	17.368	178	64246	1.028	ng/ul	98
16) Anthracene	17.465	178	22594	0.417	ng/ul	97
19) Fluoranthene	19.387	202	118761	2.131	ng/ul#	96
20) Pyrene	19.749	202	113292	1.871	ng/ul	98
21) Benzo(a)anthracene	21.497	228	60605	1.387	ng/ul	98
22) Chrysene	21.549	228	64809	1.303	ng/ul	98
24) Benzo(b)fluoranthene	23.195	252	69698	1.533	ng/ul	89
25) Benzo(k)fluoranthene	23.239	252	28966m	0.608	ng/ul	
26) Benzo(a)pyrene	23.821	252	47606	1.176	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.447	276	37614	0.709	ng/ul#	79
28) Dibenzo(a,h)anthracene	26.457	278	16523	0.406	ng/ul	95
29) Benzo(g,h,i)perylene	27.225	276	36024	0.769	ng/ul#	90

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

Manual Integrations APPROVED

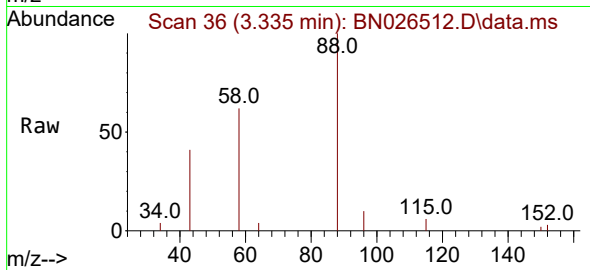
Quant Time: Jul 15 01:56:40 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 15 01:53:23 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 1.206 ng/ul
RT: 3.335 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

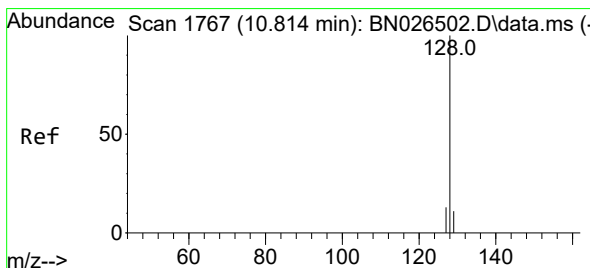
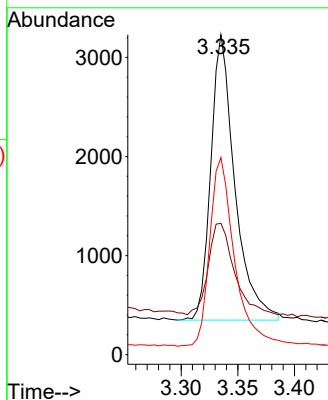
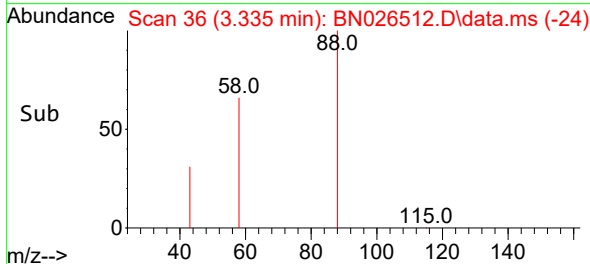
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion: 88 Resp: 4240
Ion Ratio Lower Upper
88 100
43 41.1 33.0 49.6
58 61.6 41.7 62.5

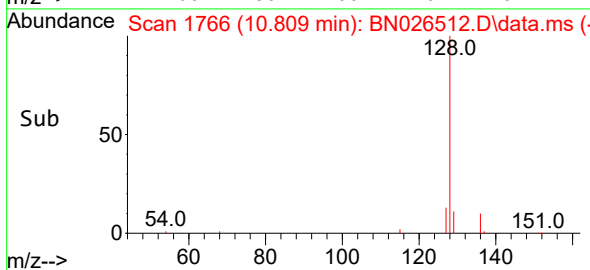
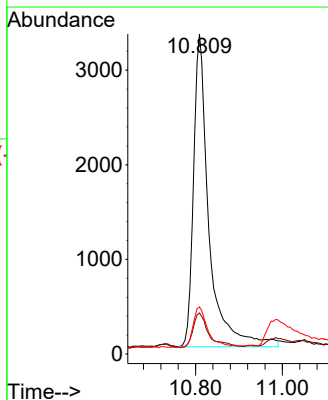
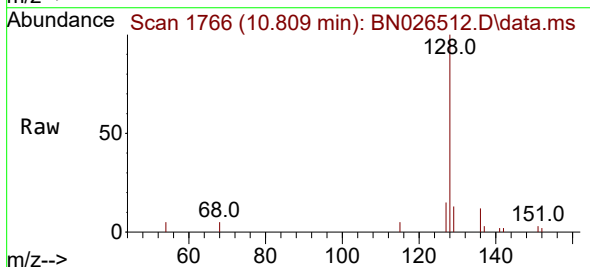
Manual Integrations
APPROVED

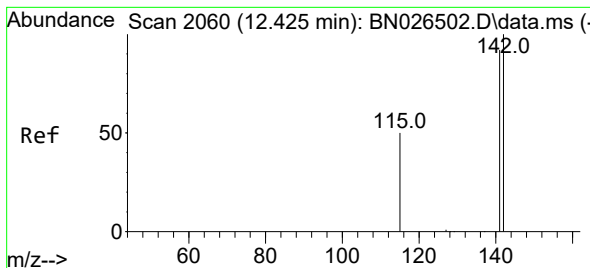
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#5
Naphthalene
Concen: 0.324 ng/ul
RT: 10.809 min Scan# 1766
Delta R.T. -0.005 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

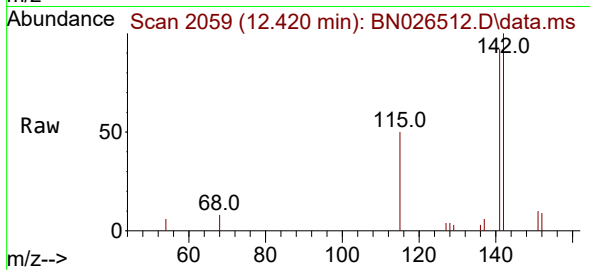
Tgt Ion:128 Resp: 8175
Ion Ratio Lower Upper
128 100
129 12.8 10.2 15.2
127 14.7 11.4 17.0





#7
2-Methylnaphthalene
Concen: 0.356 ng/ul
RT: 12.420 min Scan# 2059
Delta R.T. -0.005 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

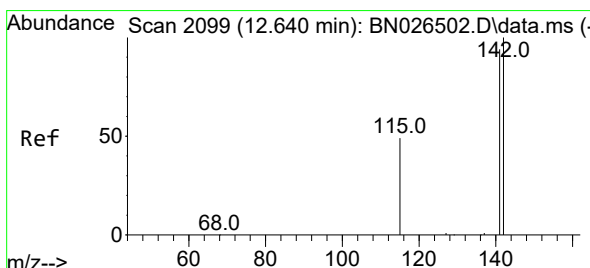
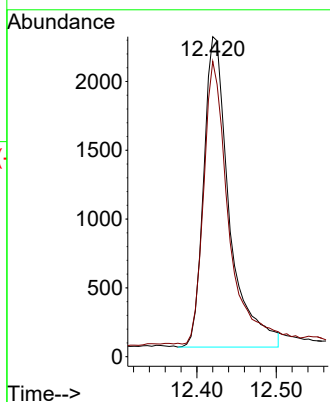
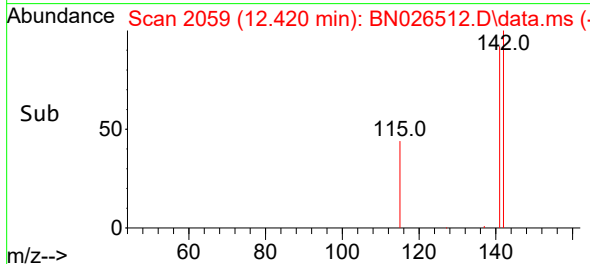
Instrument :
BNA_N
ClientSampleId :
A4634MSD



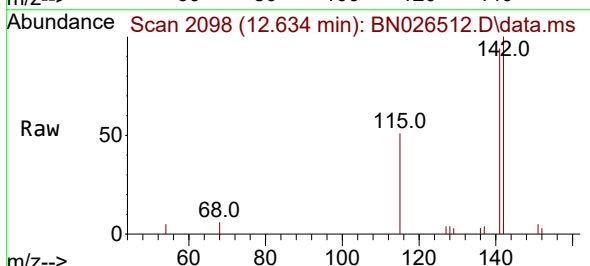
Tgt Ion:142 Resp: 508
Ion Ratio Lower Upper
142 100
141 87.9 72.3 108.5

Manual Integrations
APPROVED

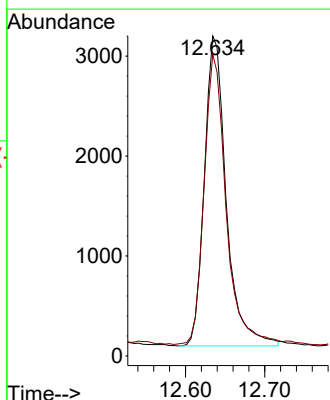
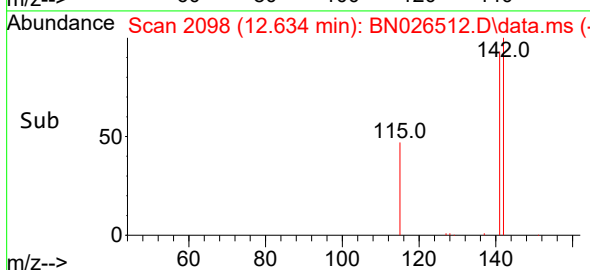
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023

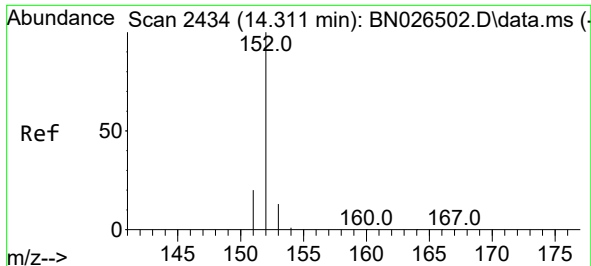


#8
1-Methylnaphthalene
Concen: 0.389 ng/ul
RT: 12.634 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



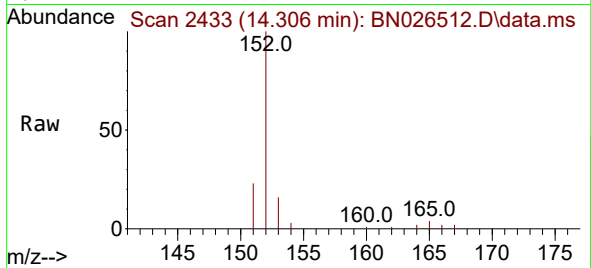
Tgt Ion:142 Resp: 5955
Ion Ratio Lower Upper
142 100
141 93.4 74.5 111.7





#10
Acenaphthylene
Concen: 0.357 ng/ul
RT: 14.306 min Scan# 2434
Delta R.T. -0.005 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

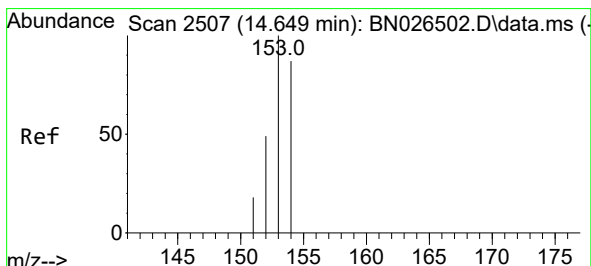
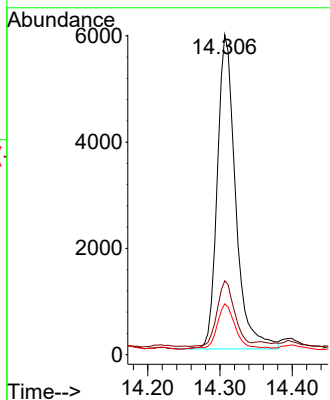
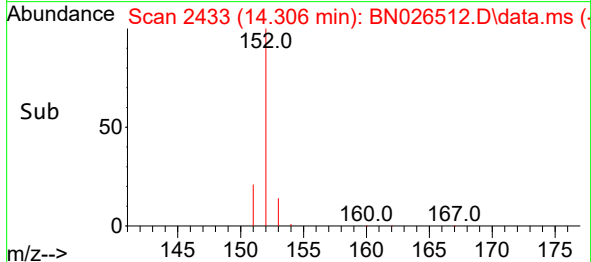
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:152 Resp: 1044
Ion Ratio Lower Upper
152 100
151 23.1 17.0 25.6
153 15.9 11.4 17.2

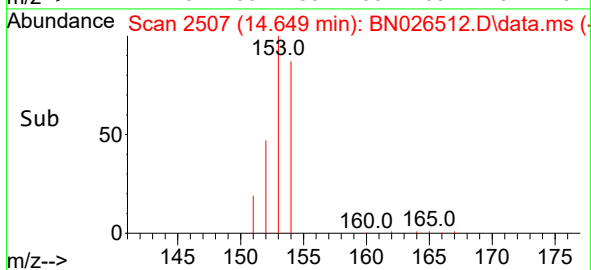
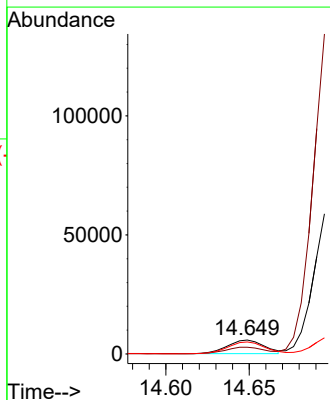
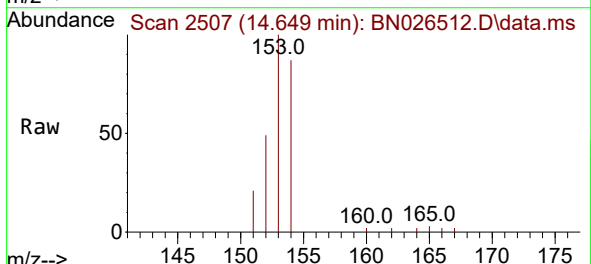
Manual Integrations
APPROVED

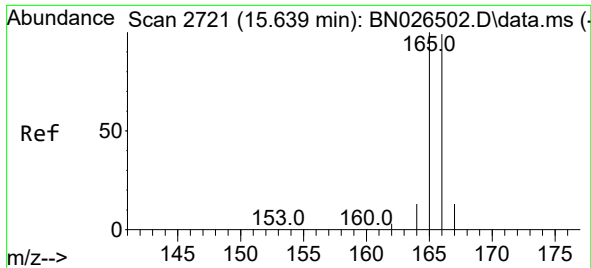
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#11
Acenaphthene
Concen: 0.393 ng/ul
RT: 14.649 min Scan# 2507
Delta R.T. 0.000 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

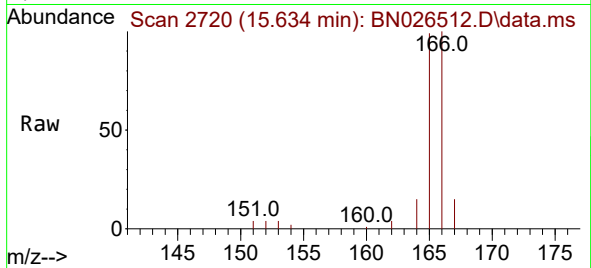
Tgt Ion:153 Resp: 8742
Ion Ratio Lower Upper
153 100
152 48.6 40.2 60.4
154 86.6 69.3 103.9





#12
Fluorene
Concen: 0.481 ng/ul
RT: 15.634 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

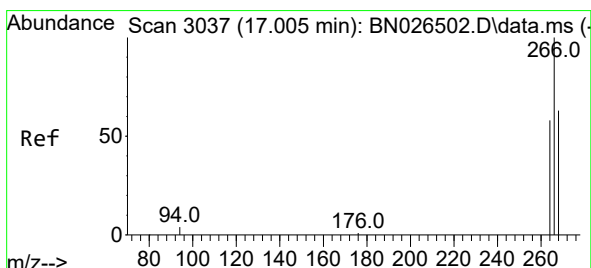
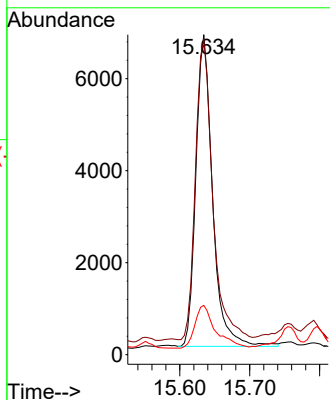
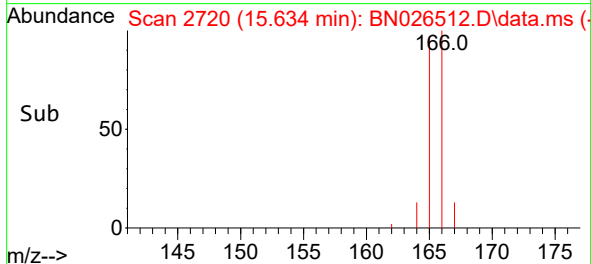
Instrument :
BNA_N
ClientSampleId :
A4634MSD



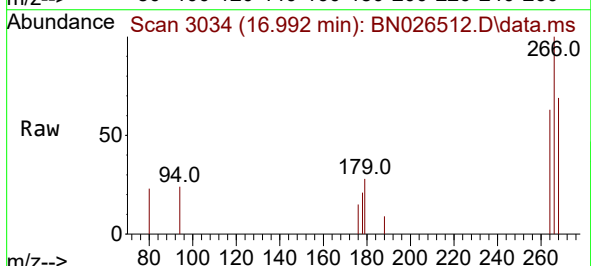
Tgt Ion:166 Resp: 11230
Ion Ratio Lower Upper
166 100
165 98.5 80.6 120.8
167 15.4 12.0 18.0

Manual Integrations
APPROVED

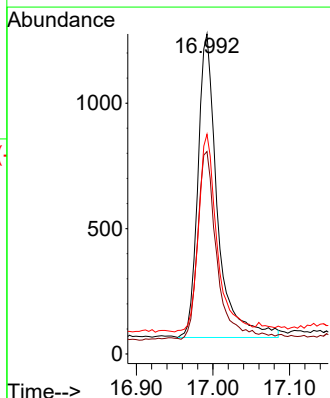
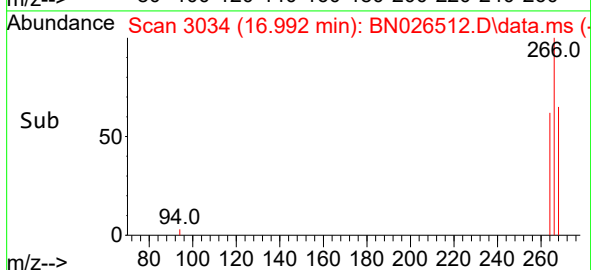
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023

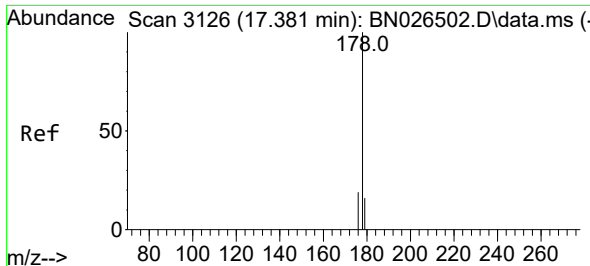


#14
Pentachlorophenol
Concen: 0.432 ng/ul
RT: 16.992 min Scan# 3034
Delta R.T. -0.013 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



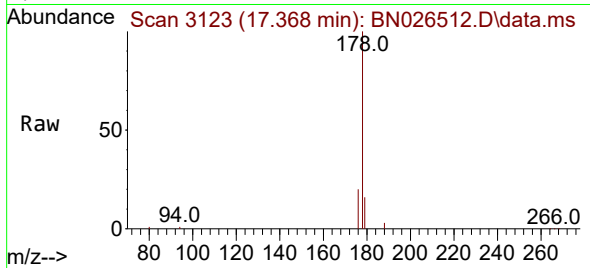
Tgt Ion:266 Resp: 2137
Ion Ratio Lower Upper
266 100
264 61.6 52.0 78.0
268 62.0 53.0 79.6





#15
Phenanthrene
Concen: 1.028 ng/ul
RT: 17.368 min Scan# 3126
Delta R.T. -0.013 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

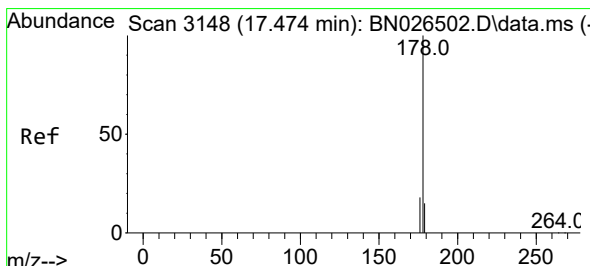
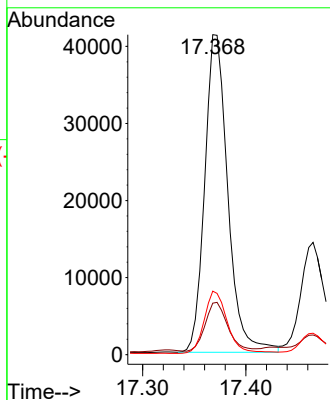
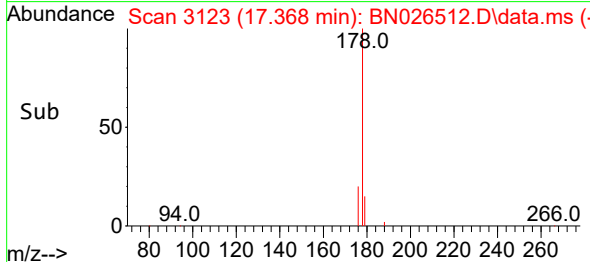
Instrument :
BNA_N
ClientSampleId :
A4634MSD



Tgt Ion:178 Resp: 64240
Ion Ratio Lower Upper
178 100
179 16.1 13.7 20.5
176 19.8 16.5 24.7

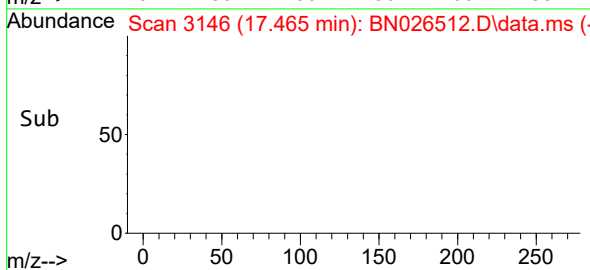
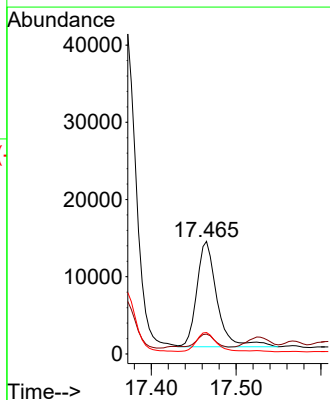
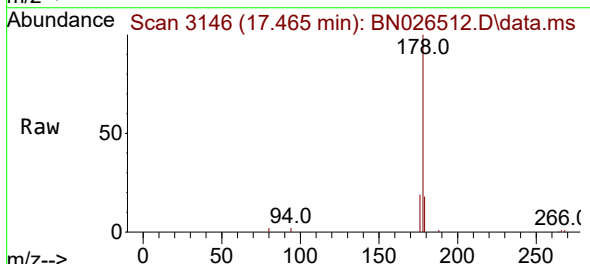
Manual Integrations
APPROVED

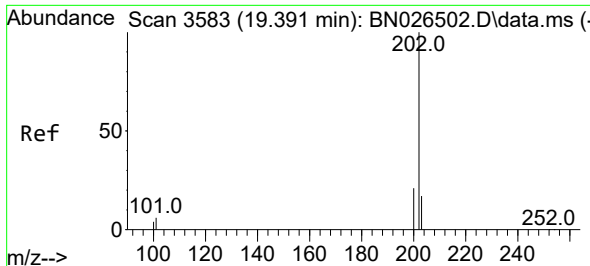
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023



#16
Anthracene
Concen: 0.417 ng/ul
RT: 17.465 min Scan# 3146
Delta R.T. -0.008 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

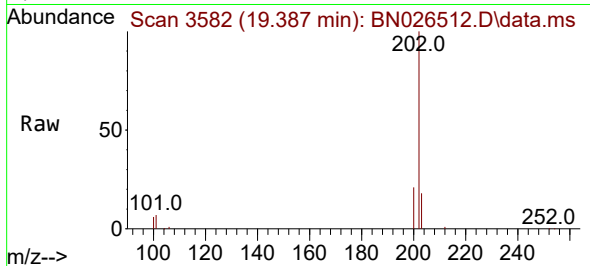
Tgt Ion:178 Resp: 22594
Ion Ratio Lower Upper
178 100
179 17.6 14.8 22.2
176 19.1 16.6 25.0





#19
Fluoranthene
Concen: 2.131 ng/ul
RT: 19.387 min Scan# 3583
Delta R.T. -0.005 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

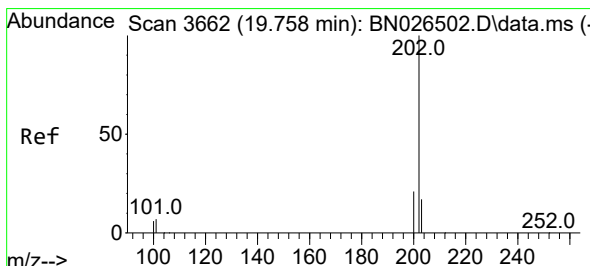
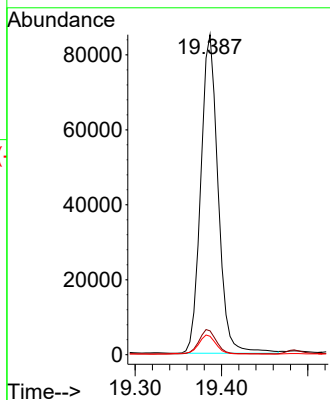
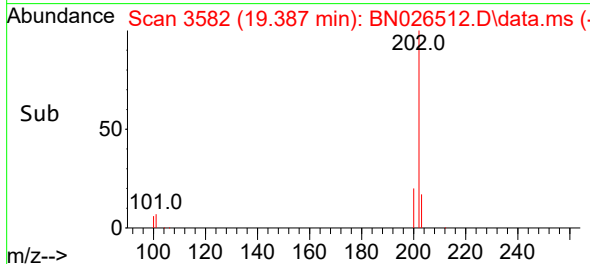
Instrument :
BNA_N
ClientSampleId :
A4634MSD



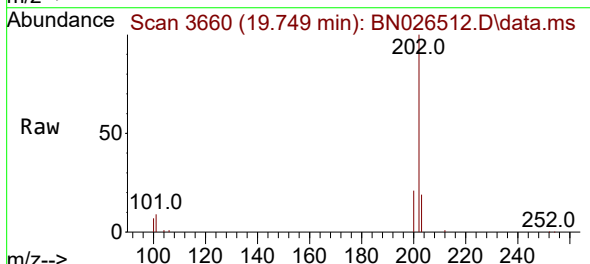
Tgt Ion:202 Resp: 118763
Ion Ratio Lower Upper
202 100
101 7.5 7.0 10.4
100 5.7 6.0 9.0

Manual Integrations
APPROVED

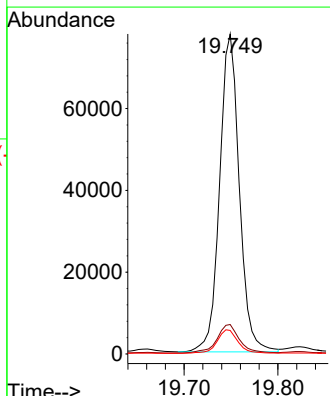
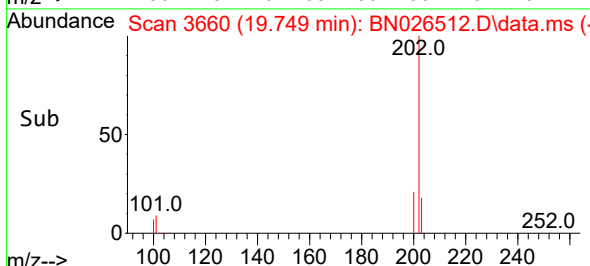
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023

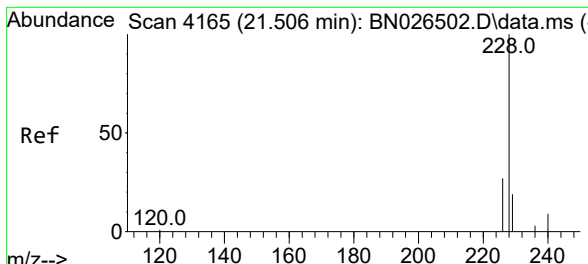


#20
Pyrene
Concen: 1.871 ng/ul
RT: 19.749 min Scan# 3660
Delta R.T. -0.009 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



Tgt Ion:202 Resp: 113292
Ion Ratio Lower Upper
202 100
101 9.2 8.0 12.0
100 7.4 6.2 9.2





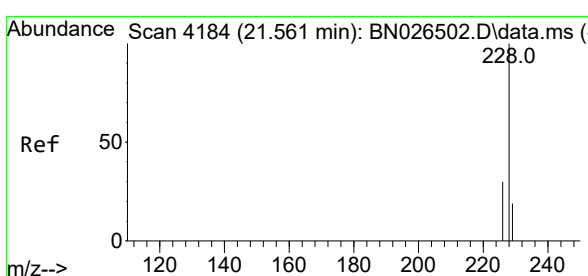
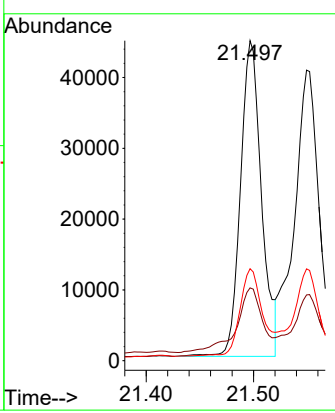
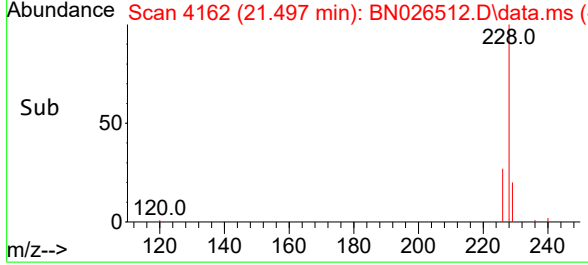
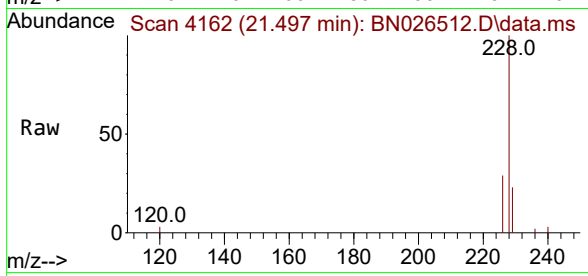
#21
 Benzo(a)anthracene
 Concen: 1.387 ng/ul
 RT: 21.497 min Scan# 4165
 Delta R.T. -0.009 min
 Lab File: BN026512.D
 Acq: 14 Jul 2023 22:36

Instrument : BNA_N
 ClientSampleId : A4634MSD

Tgt Ion:228 Resp: 60609

Ion	Ratio	Lower	Upper
228	100		
229	22.8	16.7	25.1
226	28.7	23.5	35.3

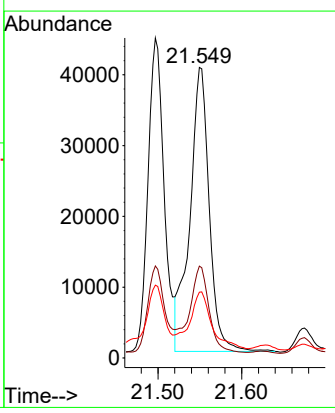
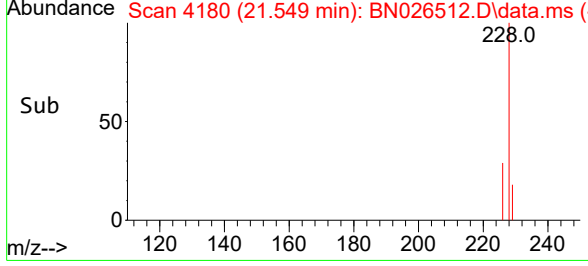
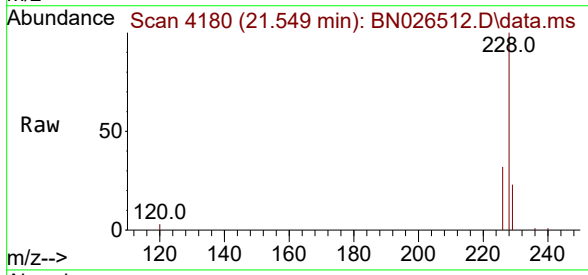
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

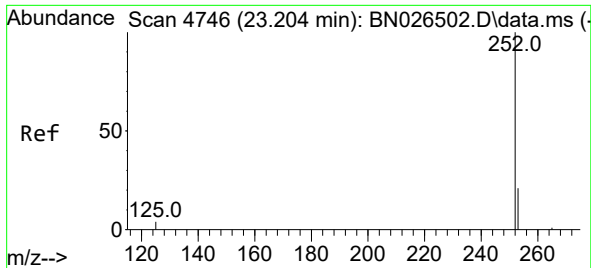


#22
 Chrysene
 Concen: 1.303 ng/ul
 RT: 21.549 min Scan# 4180
 Delta R.T. -0.012 min
 Lab File: BN026512.D
 Acq: 14 Jul 2023 22:36

Tgt Ion:228 Resp: 64809

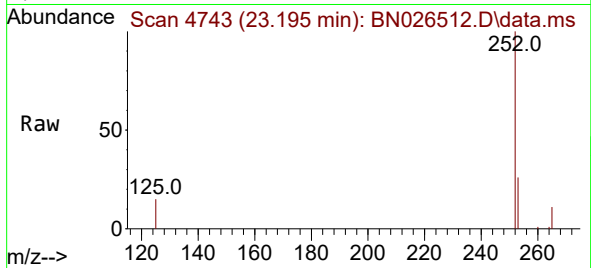
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.2	37.8
229	22.6	16.4	24.6





#24
Benzo(b)fluoranthene
Concen: 1.533 ng/ul
RT: 23.195 min Scan# 4743
Delta R.T. -0.009 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

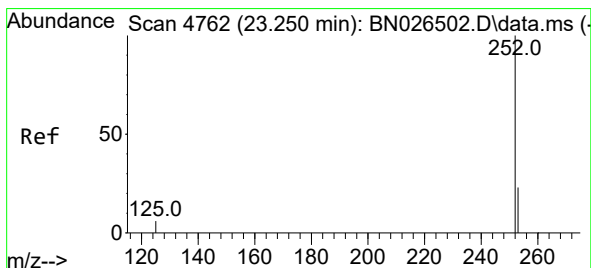
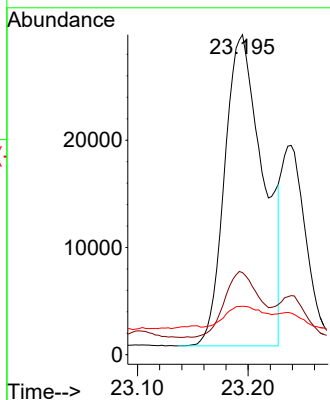
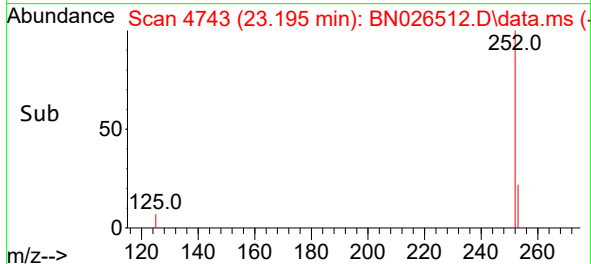
Instrument :
BNA_N
ClientSampleId :
A4634MSD



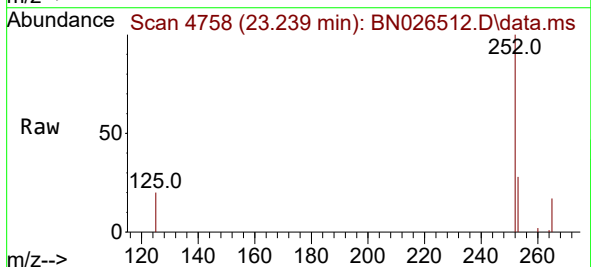
Tgt Ion:252 Resp: 69698
Ion Ratio Lower Upper
252 100
253 25.6 0.0 68.6
125 15.2 0.0 34.0

Manual Integrations
APPROVED

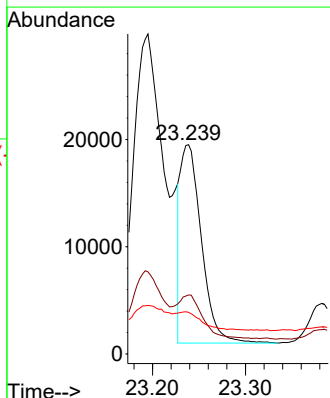
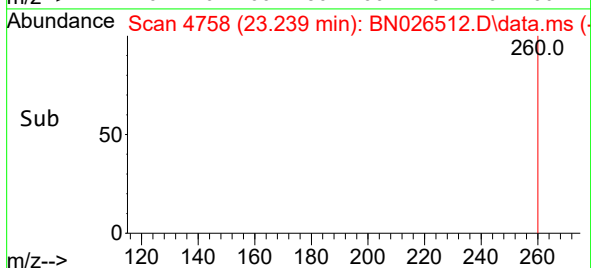
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023

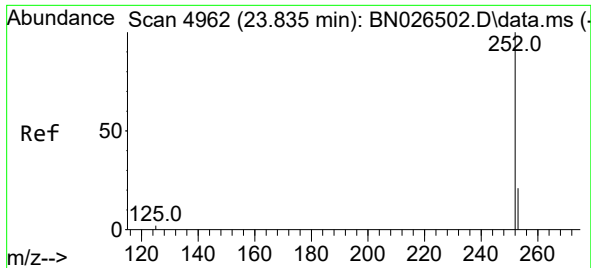


#25
Benzo(k)fluoranthene
Concen: 0.608 ng/ul m
RT: 23.239 min Scan# 4758
Delta R.T. -0.012 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



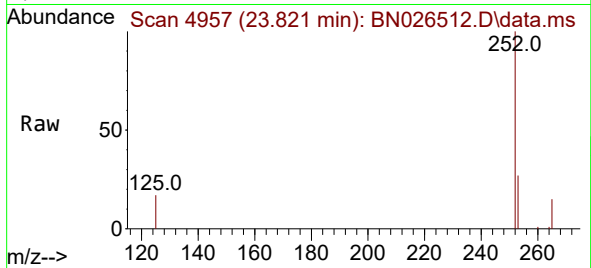
Tgt Ion:252 Resp: 28966
Ion Ratio Lower Upper
252 100
253 28.2 27.2 40.8
125 19.9 13.4 20.2





#26
Benzo(a)pyrene
Concen: 1.176 ng/ul
RT: 23.821 min Scan# 4962
Delta R.T. -0.015 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

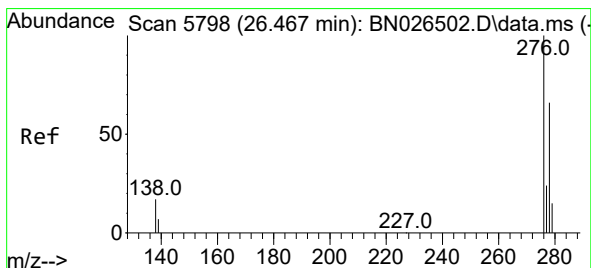
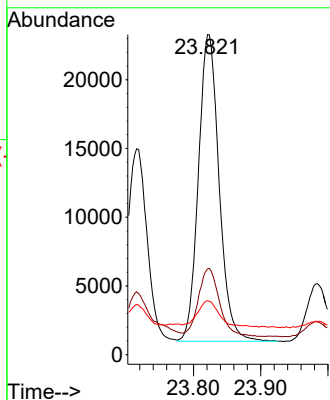
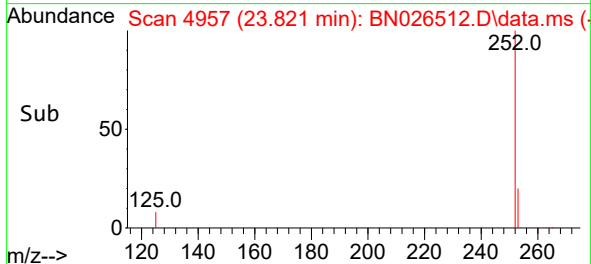
Instrument :
BNA_N
ClientSampleId :
A4634MSD



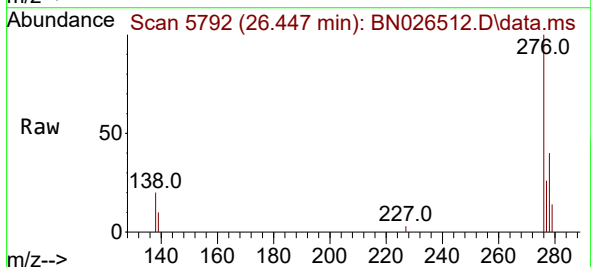
Tgt Ion:252 Resp: 47600
Ion Ratio Lower Upper
252 100
253 26.8 32.6 49.0#
125 16.8 19.3 28.9#

Manual Integrations
APPROVED

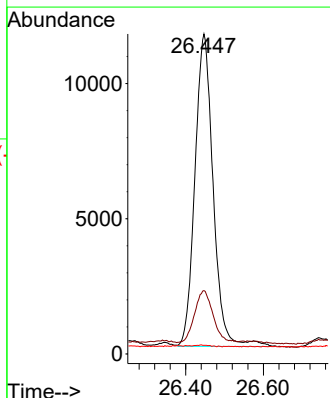
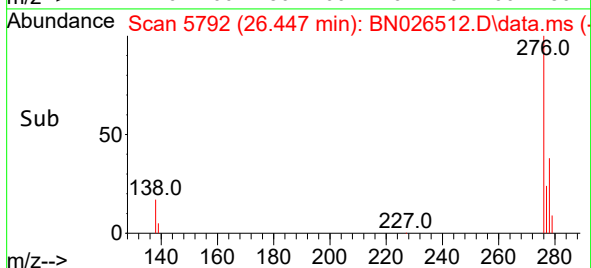
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/17/2023

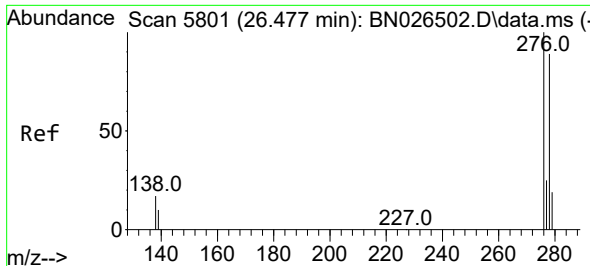


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.709 ng/ul
RT: 26.447 min Scan# 5792
Delta R.T. -0.020 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



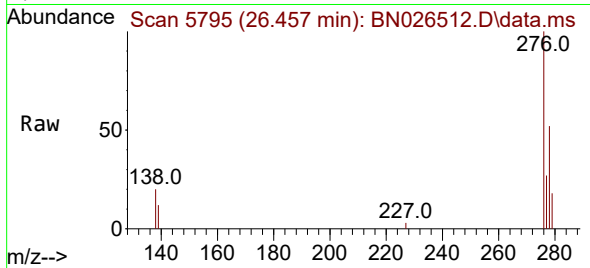
Tgt Ion:276 Resp: 37614
Ion Ratio Lower Upper
276 100
138 16.8 22.2 33.4#
227 0.4 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.406 ng/ul
RT: 26.457 min Scan# 51
Delta R.T. -0.020 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36

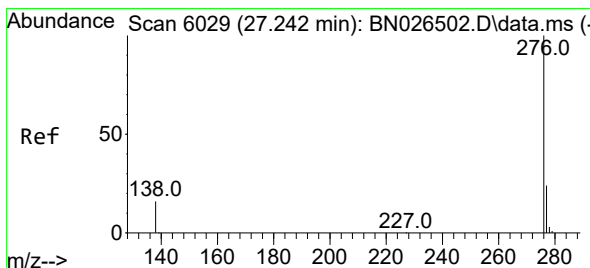
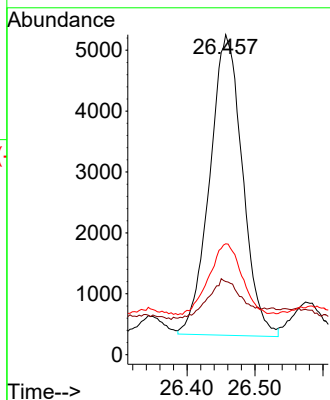
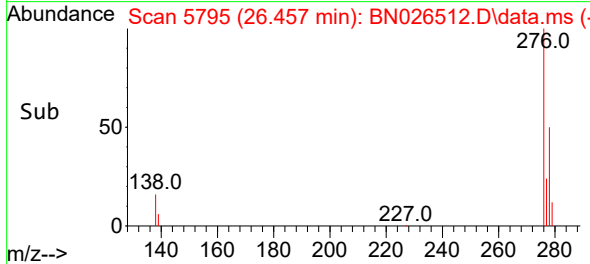
Instrument :
BNA_N
ClientSampleId :
A4634MSD



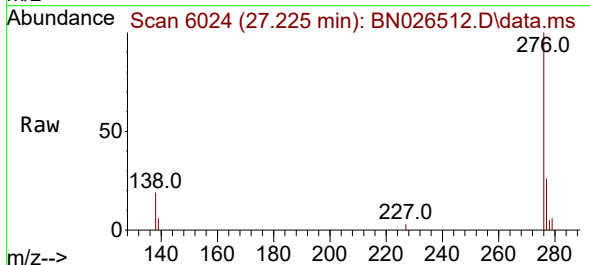
Tgt Ion: 278 Resp: 1652
Ion Ratio Lower Upper
278 100
139 22.8 18.9 28.3
279 34.6 31.3 46.9

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 07/15/2023
Supervised By : mohammad ahmed 07/17/2023



#29
Benzo(g,h,i)perylene
Concen: 0.769 ng/ul
RT: 27.225 min Scan# 6024
Delta R.T. -0.017 min
Lab File: BN026512.D
Acq: 14 Jul 2023 22:36



Tgt Ion: 276 Resp: 36024
Ion Ratio Lower Upper
276 100
138 19.3 22.6 34.0#
277 26.1 21.8 32.8

