

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
 Data File : BN028420.D
 Acq On : 02 Nov 2023 14:17
 Operator : MA/JU
 Sample : 05173-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-188-GW-100-102

Quant Time: Nov 02 15:17:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 02 06:26:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 11/04/2023

Supervised By :mohammad
 ahmed
 11/04/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.726	152	8980	0.400	ng	0.00
7) Naphthalene-d8	10.511	136	27741	0.400	ng	0.00
13) Acenaphthene-d10	14.362	164	12439	0.400	ng	0.00
19) Phenanthrene-d10	17.108	188	30321	0.400	ng	#-0.01
29) Chrysene-d12	21.318	240	21764	0.400	ng	# 0.00
35) Perylene-d12	23.633	264	3845	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	4143	0.177	ng	0.00
5) Phenol-d6	6.889	99	3597	0.121	ng	0.00
8) Nitrobenzene-d5	8.867	82	4966	0.277	ng	-0.01
11) 2-Methylnaphthalene-d10	12.109	152	11426	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.854	330	1505	0.310	ng	0.00
15) 2-Fluorobiphenyl	13.005	172	3754	0.254	ng	0.00
27) Fluoranthene-d10	19.151	212	30007	0.400	ng	0.00
31) Terphenyl-d14	19.764	244	31398	0.685	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	2795	0.281	ng	# 46
18) Fluorene	15.421	166	2114m	0.040	ng	
24) Pentachlorophenol	16.760	266	141	0.022	ng	# 88
26) Anthracene	17.244	178	2338	0.027	ng	97
28) Fluoranthene	19.184	202	3164	0.030	ng	99
30) Pyrene	19.546	202	2085	0.023	ng	# 94
32) Benzo(a)anthracene	21.309	228	1888	0.022	ng	# 86
33) Chrysene	21.354	228	3444	0.040	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.264	149	4528	0.101	ng	97
36) Indeno(1,2,3-cd)pyrene	26.007	276	1313	0.134	ng	# 92
37) Benzo(b)fluoranthene	22.937	252	5402	0.428	ng	# 72
38) Benzo(k)fluoranthene	22.981	252	2408m	0.160	ng	
39) Benzo(a)pyrene	23.528	252	704	0.054	ng	# 1
40) Dibenzo(a,h)anthracene	26.027	278	771	0.063	ng	# 1
41) Benzo(g,h,i)perylene	26.726	276	1156	0.088	ng	# 53

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

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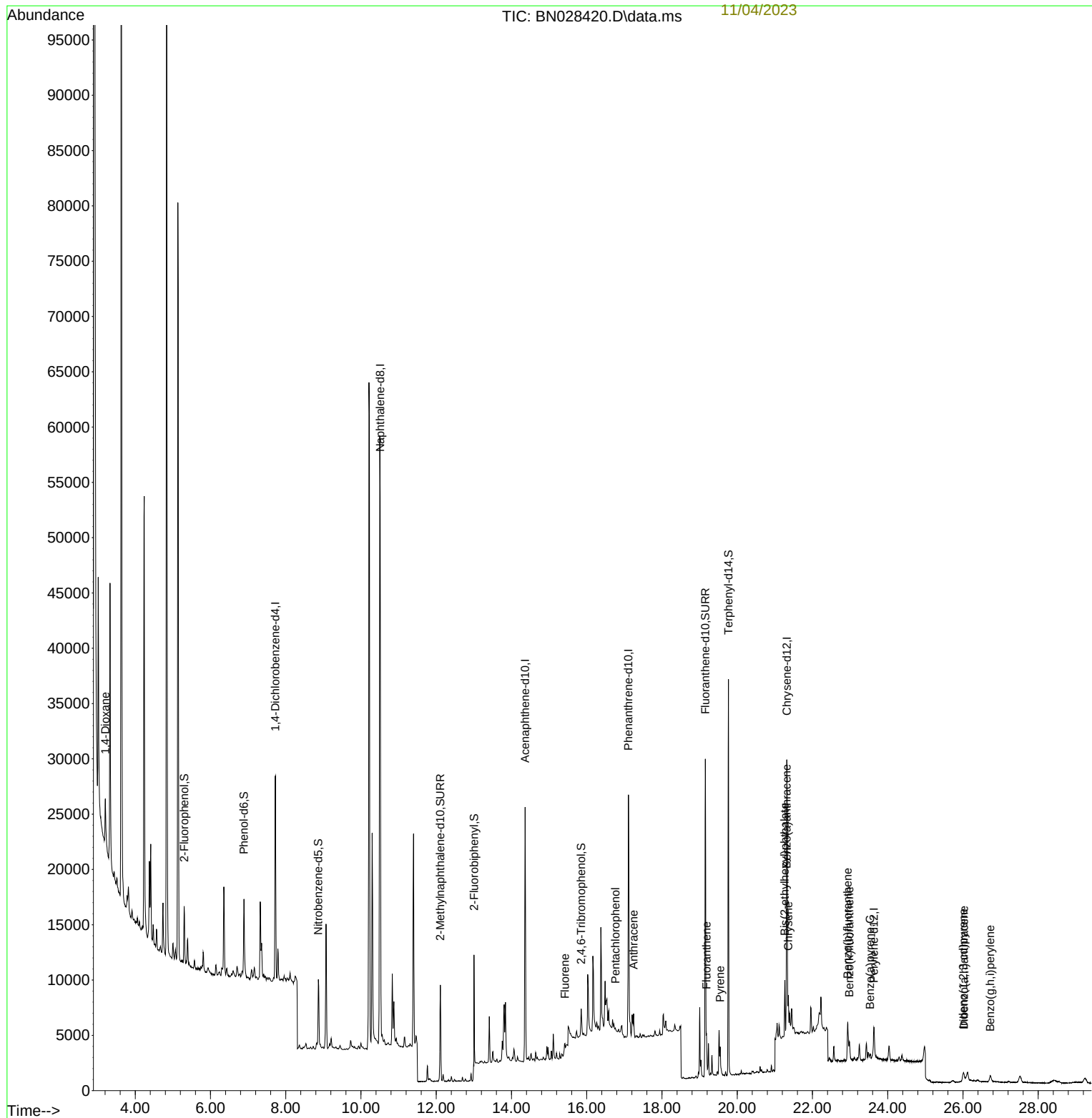
Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

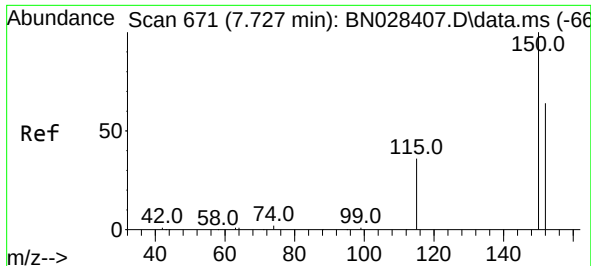
Quant Time: Nov 02 15:17:43 2023
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11/04/2023

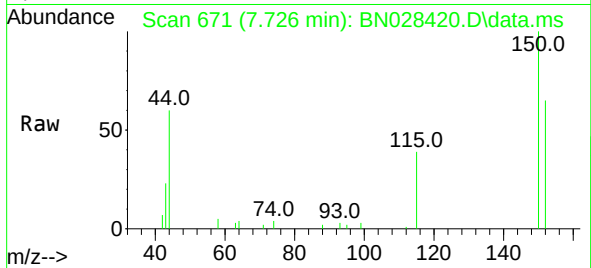
Supervised By :mohammad
ahmed
11/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.726 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

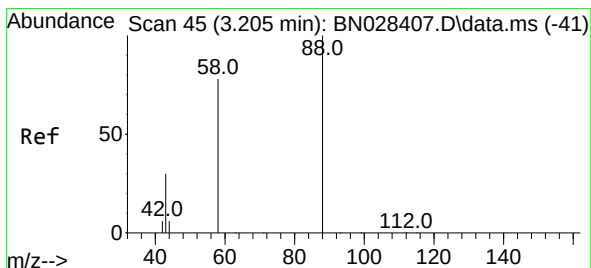
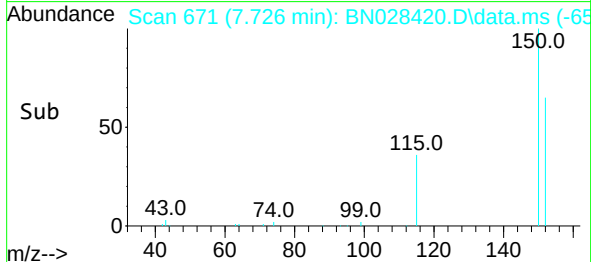
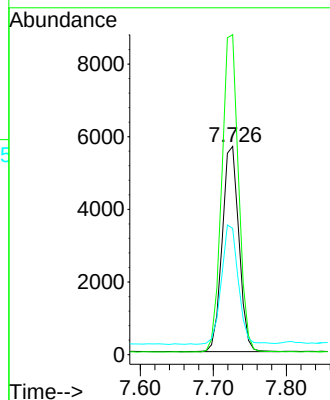


Tgt Ion: 152 Resp: 8980
Ion Ratio Lower Upper
152 100
150 153.6 123.8 185.6
115 60.6 47.0 70.6

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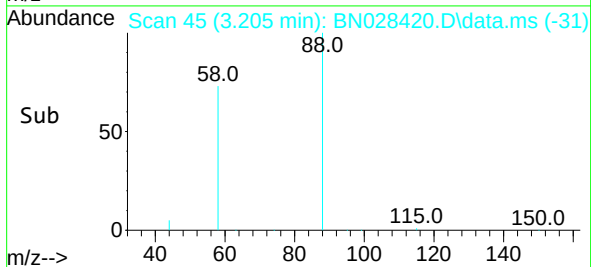
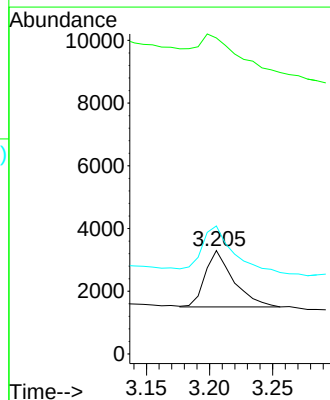
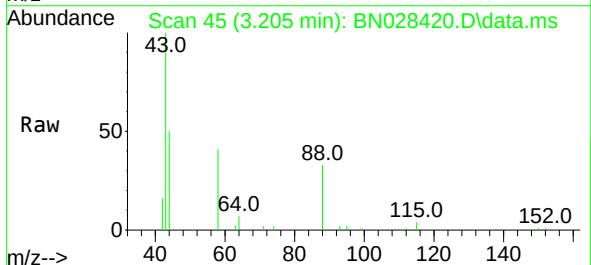
Reviewed By :Yogesh
Patel
11/04/2023

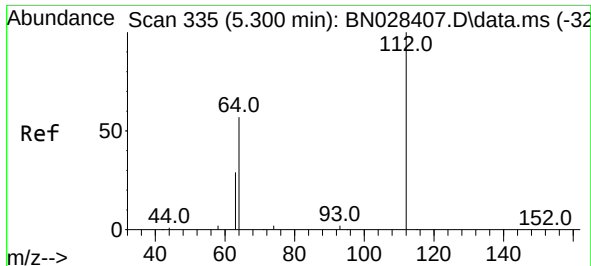
Supervised By :mohammad
ahmed
11/04/2023



#2
1,4-Dioxane
Concen: 0.281 ng
RT: 3.205 min Scan# 45
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Tgt Ion: 88 Resp: 2795
Ion Ratio Lower Upper
88 100
43 97.2 24.3 36.5#
58 96.4 59.8 89.6#





#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.300 min Scan# 311
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

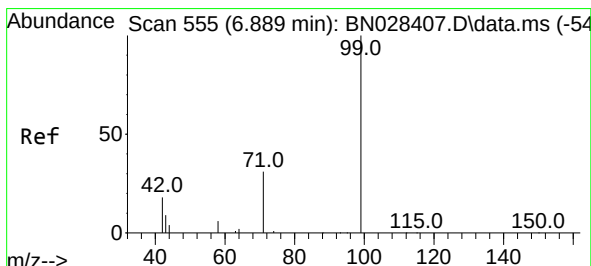
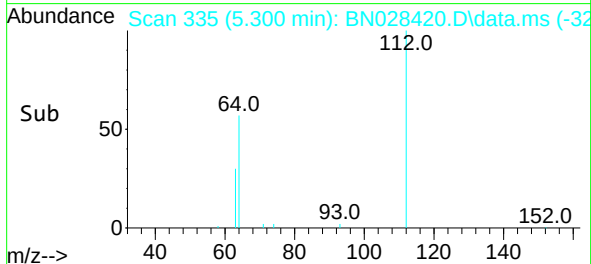
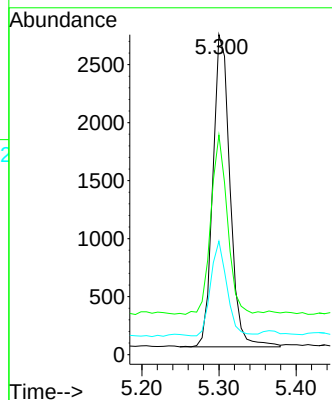
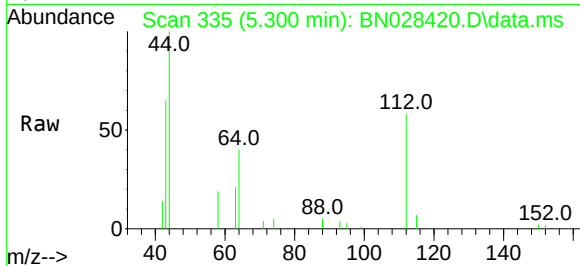
Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

Tgt Ion:112 Resp: 414
Ion Ratio Lower Upper
112 100
64 55.1 44.3 66.5
63 28.7 22.6 33.8

Manual Integrations
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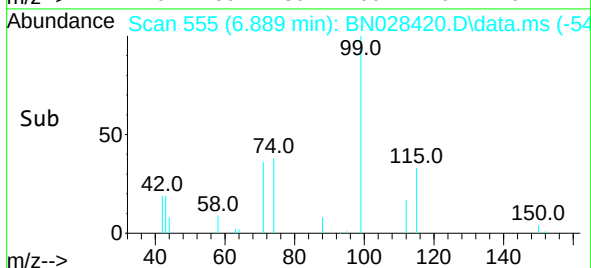
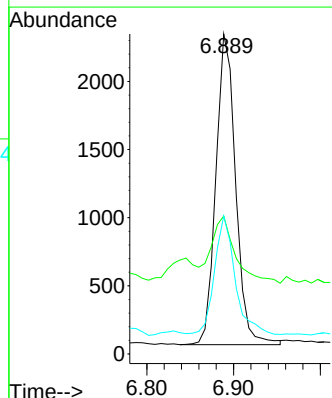
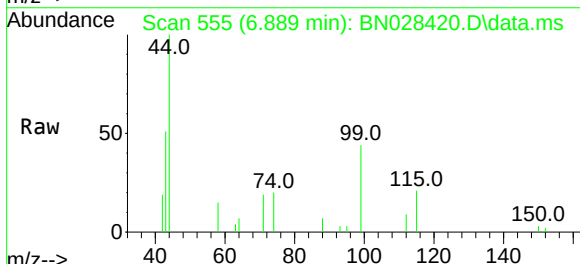
Reviewed By :Yogesh
Patel
11/04/2023

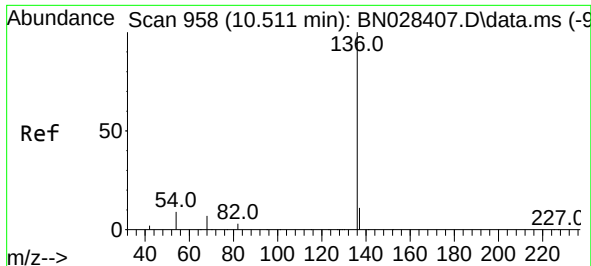
Supervised By :mohammad
ahmed
11/04/2023



#5
Phenol-d6
Concen: 0.121 ng
RT: 6.889 min Scan# 555
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

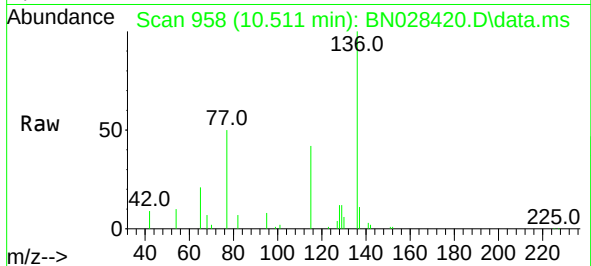
Tgt Ion: 99 Resp: 3597
Ion Ratio Lower Upper
99 100
42 26.3 15.4 23.0#
71 40.1 24.4 36.6#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.511 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

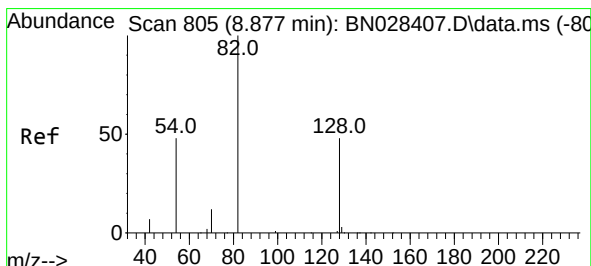
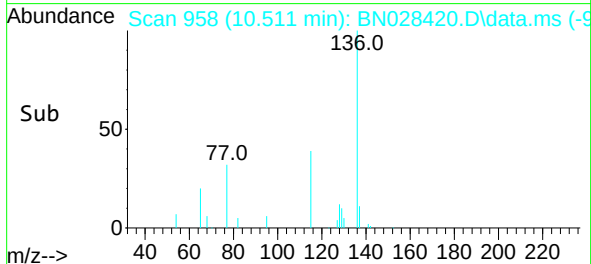
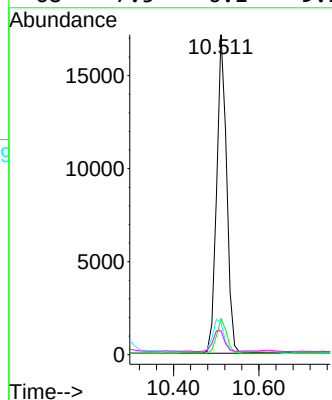


Tgt Ion: 136 Resp: 2774
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.9 7.9 11.9
68 7.5 6.1 9.1

Manual Integrations
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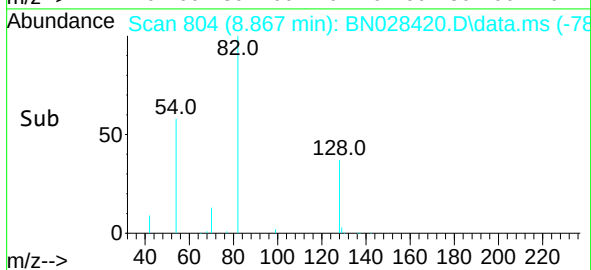
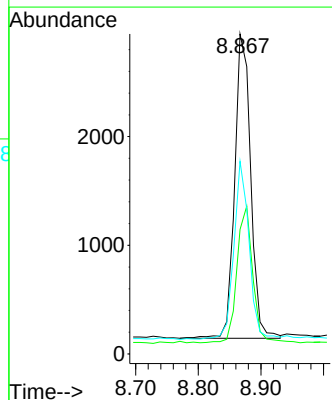
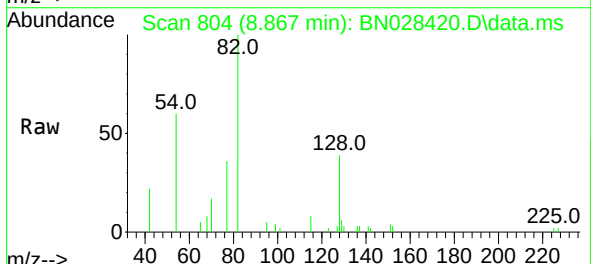
Reviewed By :Yogesh
Patel
11/04/2023

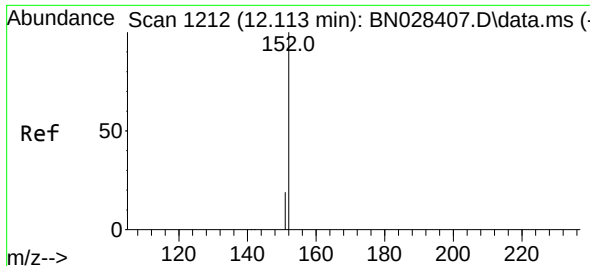
Supervised By :mohammad
ahmed
11/04/2023



#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 8.867 min Scan# 804
Delta R.T. -0.011 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

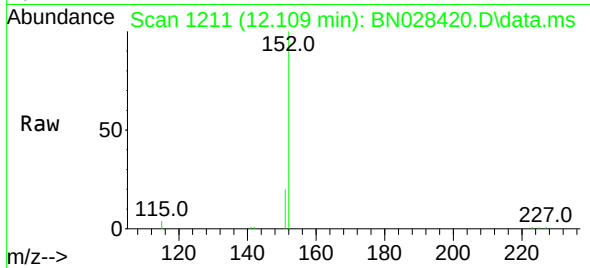
Tgt Ion: 82 Resp: 4966
Ion Ratio Lower Upper
82 100
128 38.9 38.8 58.2
54 60.2 40.3 60.5





#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.109 min Scan# 11420
Delta R.T. -0.004 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

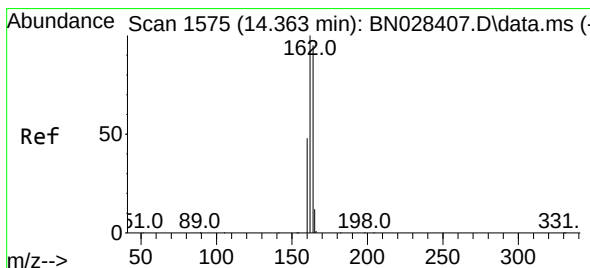
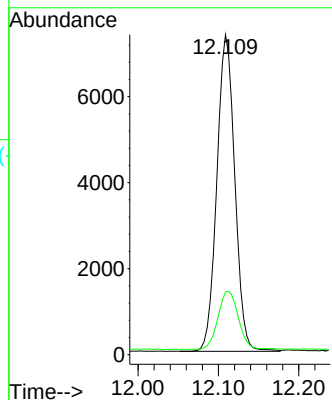


Tgt Ion:152 Resp: 11420
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6

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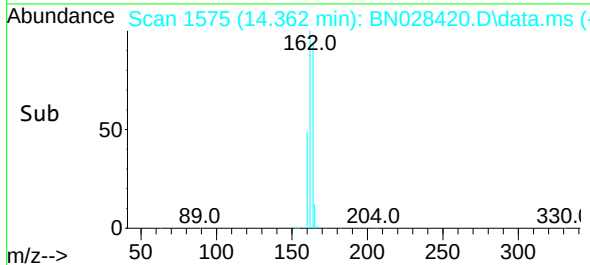
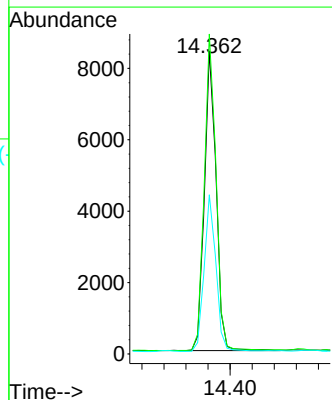
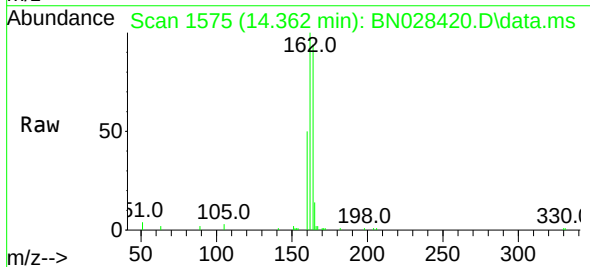
Reviewed By :Yogesh
Patel
11/04/2023

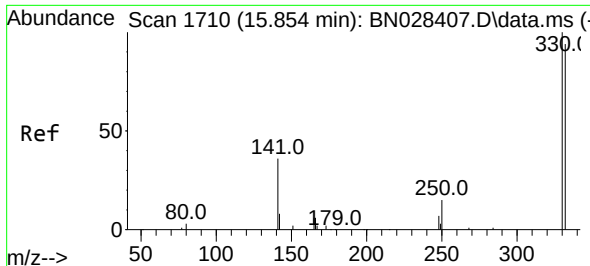
Supervised By :mohammad
ahmed
11/04/2023



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.362 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

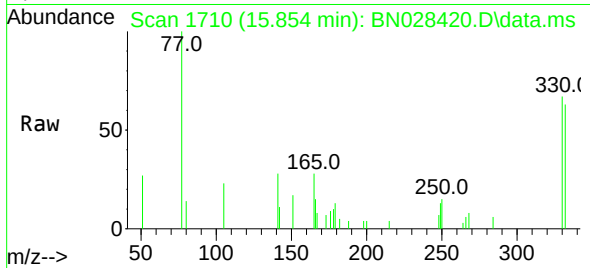
Tgt Ion:164 Resp: 12439
Ion Ratio Lower Upper
164 100
162 105.9 84.6 127.0
160 52.7 41.3 61.9





#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.854 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

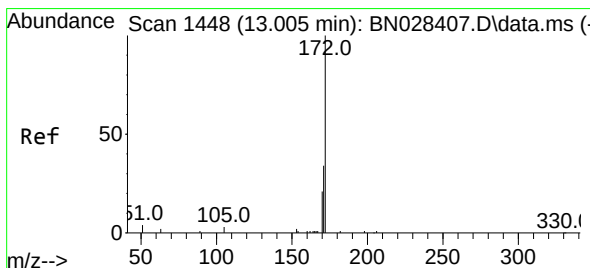
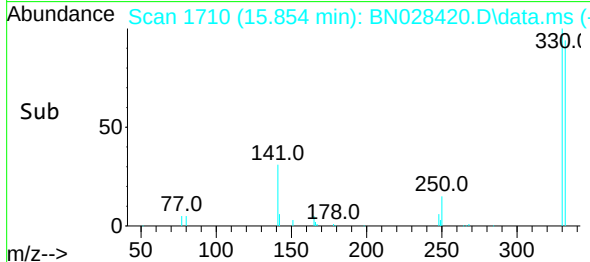
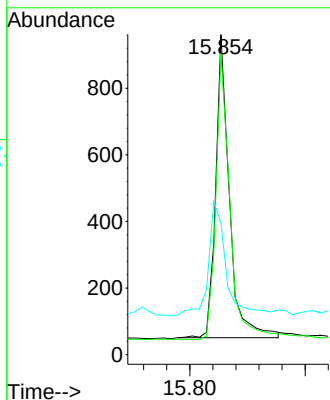


Tgt Ion:330 Resp: 150
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.2
141 45.8 32.8 49.2

Manual Integrations
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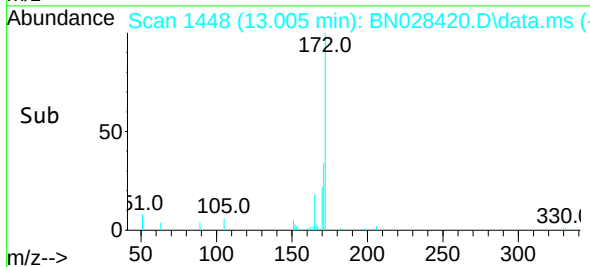
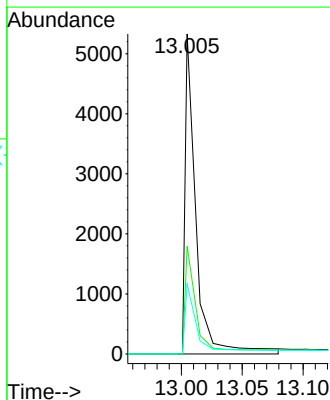
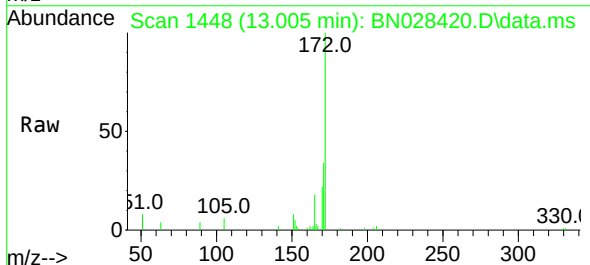
Reviewed By :Yogesh
Patel
11/04/2023

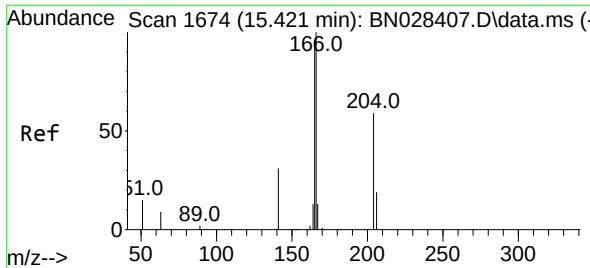
Supervised By :mohammad
ahmed
11/04/2023



#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 13.005 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

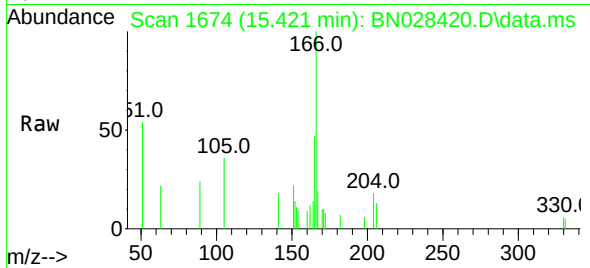
Tgt Ion:172 Resp: 3754
Ion Ratio Lower Upper
172 100
171 33.7 27.2 40.8
170 21.9 17.1 25.7





#18
Fluorene
Concen: 0.040 ng m
RT: 15.421 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

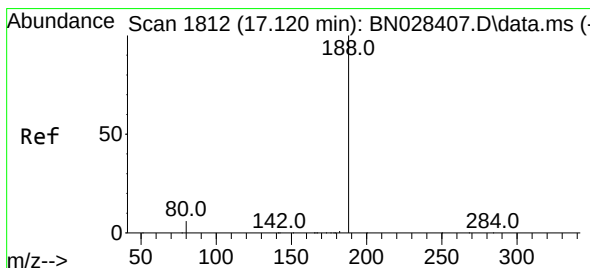
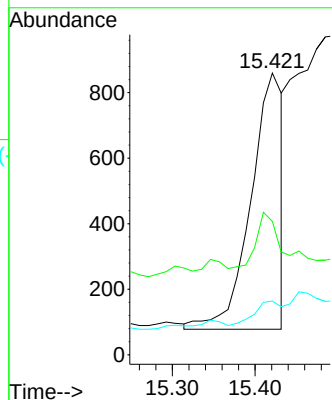


Tgt Ion:166 Resp: 2114
Ion Ratio Lower Upper
166 100
165 0.0 79.2 118.8
167 0.0 10.6 16.0

Manual Integrations
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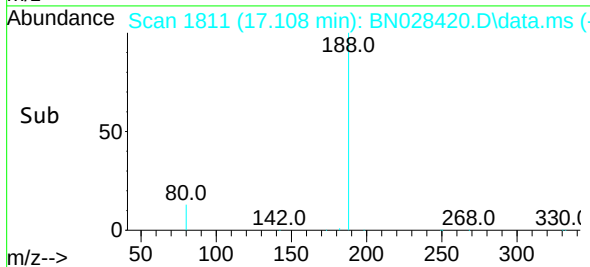
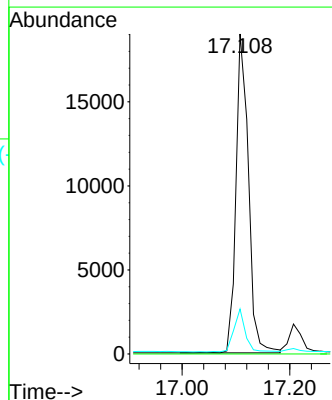
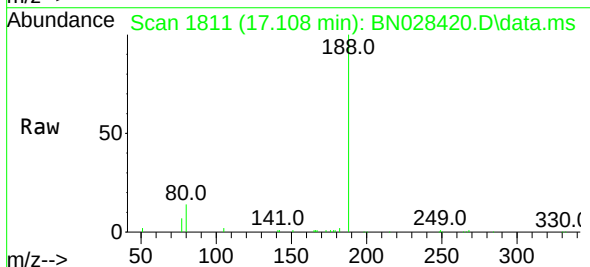
Reviewed By :Yogesh
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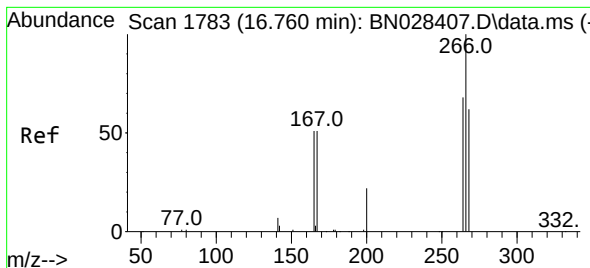
Supervised By :mohammad
ahmed
11/04/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.108 min Scan# 1811
Delta R.T. -0.013 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Tgt Ion:188 Resp: 30321
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 5.3 7.9





#24

Pentachlorophenol

Concen: 0.022 ng

RT: 16.760 min Scan# 1783

Delta R.T. -0.000 min

Lab File: BN028420.D

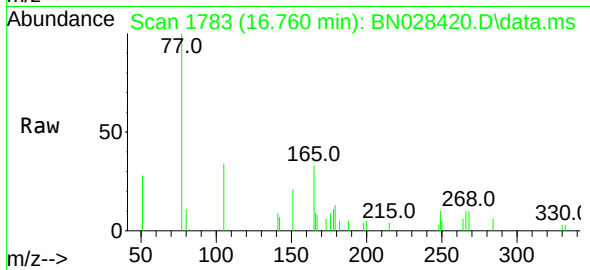
Acq: 02 Nov 2023 14:17

Instrument :

BNA_N

ClientSampleId :

BP-VPB-188-GW-100-102



Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 62.4 50.9 76.3

268 81.6 51.0 76.4

Manual Integrations

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Reviewed By :Yogesh

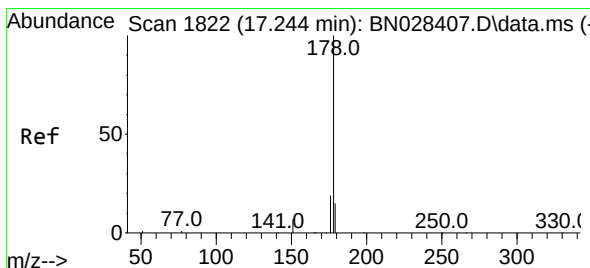
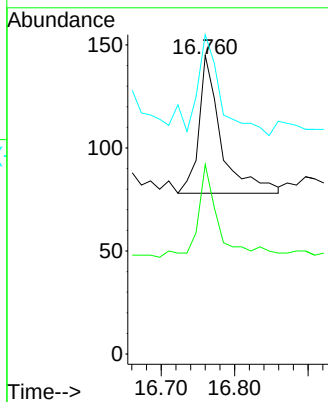
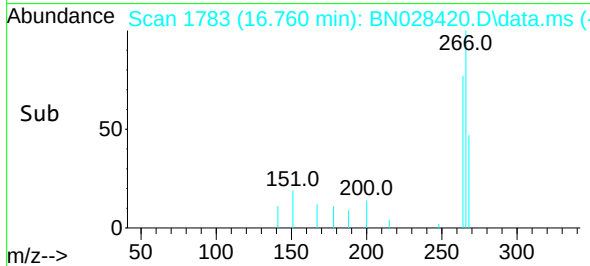
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ahmed

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#26

Anthracene

Concen: 0.027 ng

RT: 17.244 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BN028420.D

Acq: 02 Nov 2023 14:17

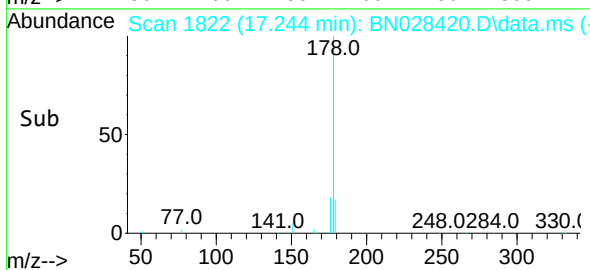
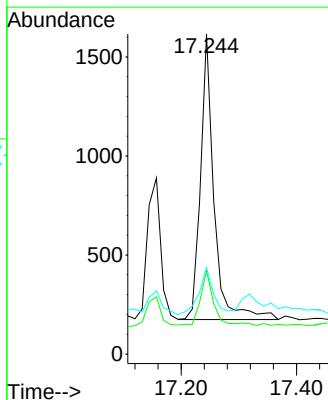
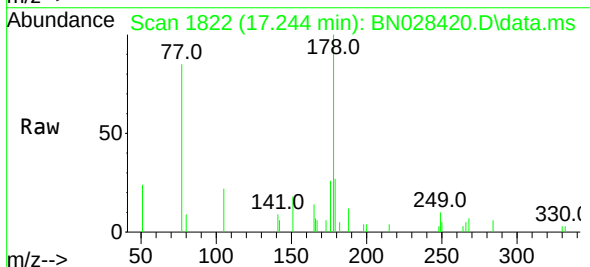
Tgt Ion:178 Resp: 2338

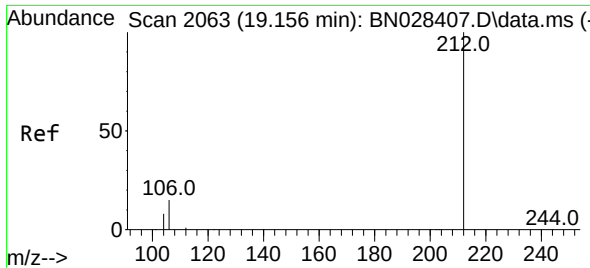
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

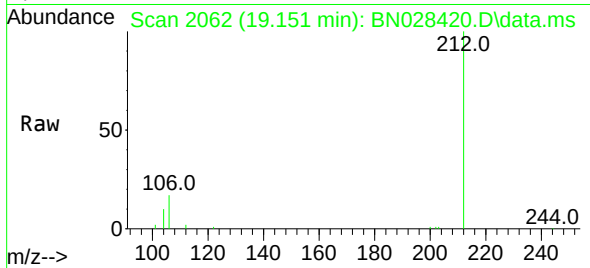
179 18.0 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.400 ng
RT: 19.151 min Scan# 2062
Delta R.T. -0.005 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

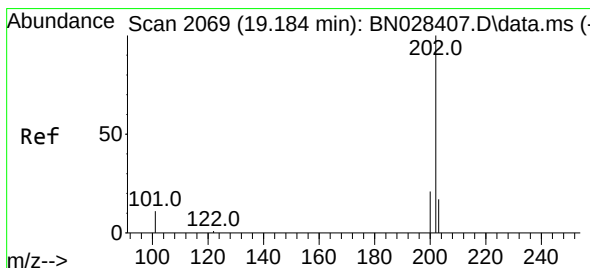
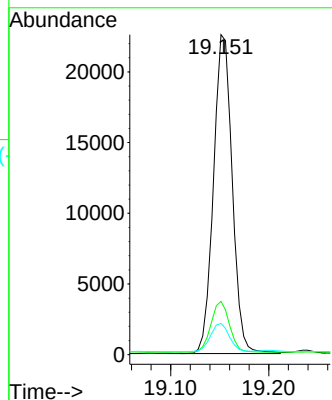


Tgt Ion:212 Resp: 3000
Ion Ratio Lower Upper
212 100
106 15.8 11.9 17.9
104 8.9 6.7 10.1

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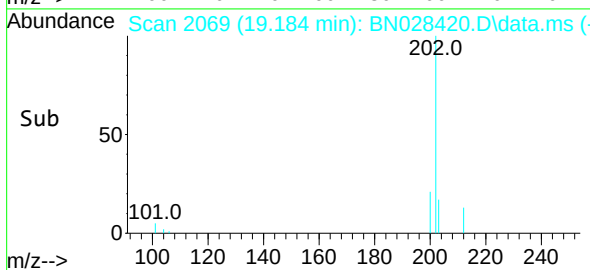
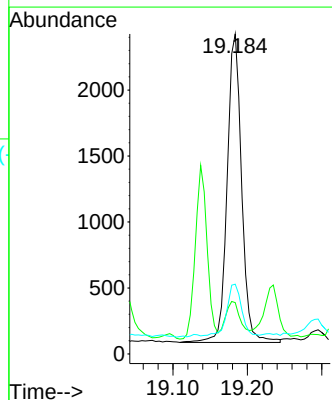
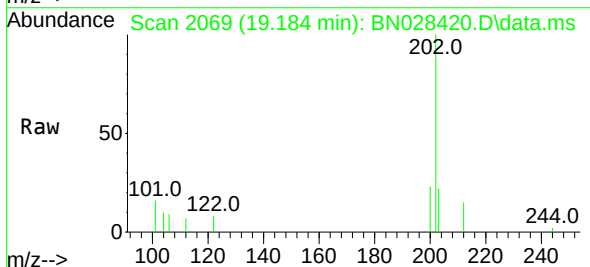
Reviewed By :Yogesh
Patel
11/04/2023

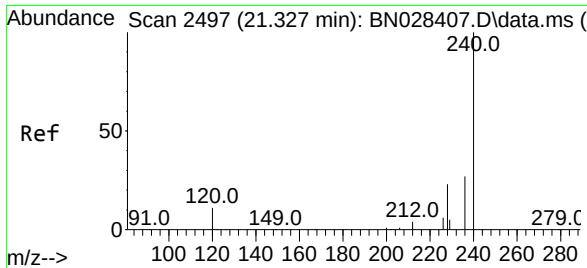
Supervised By :mohammad
ahmed
11/04/2023



#28
Fluoranthene
Concen: 0.030 ng
RT: 19.184 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

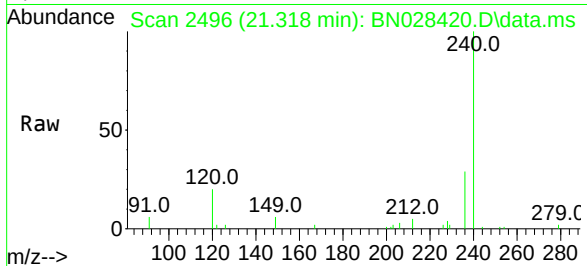
Tgt Ion:202 Resp: 3164
Ion Ratio Lower Upper
202 100
101 12.4 9.3 13.9
203 16.8 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.318 min Scan# 2496
Delta R.T. -0.009 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

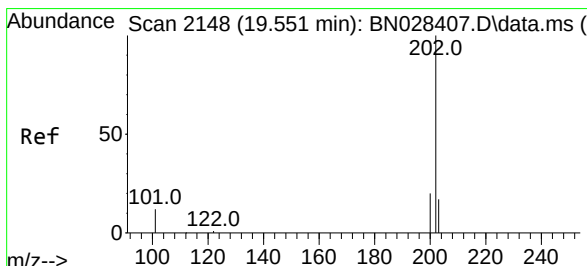
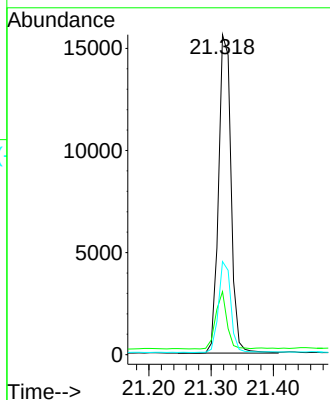


Tgt Ion:240 Resp: 21764
Ion Ratio Lower Upper
240 100
120 19.7 9.8 14.6
236 29.1 22.2 33.2

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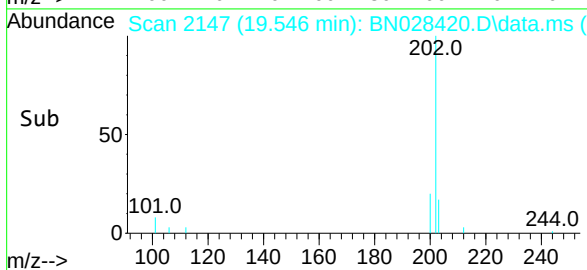
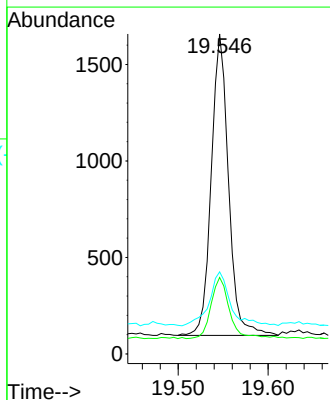
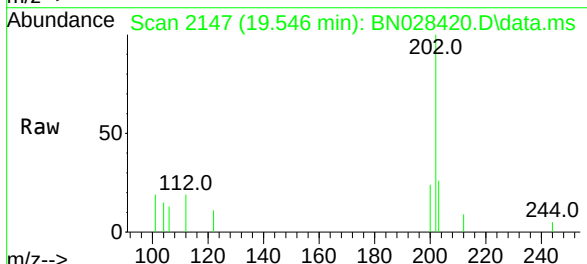
Reviewed By :Yogesh
Patel
11/04/2023

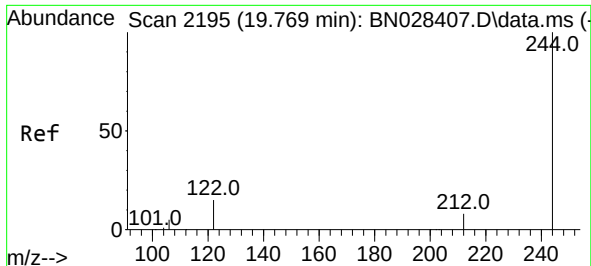
Supervised By :mohammad
ahmed
11/04/2023



#30
Pyrene
Concen: 0.023 ng
RT: 19.546 min Scan# 2147
Delta R.T. -0.005 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

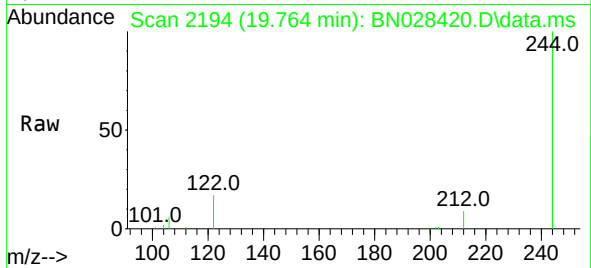
Tgt Ion:202 Resp: 2085
Ion Ratio Lower Upper
202 100
200 22.4 16.6 25.0
203 21.8 14.2 21.2





#31
Terphenyl-d14
Concen: 0.685 ng
RT: 19.764 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

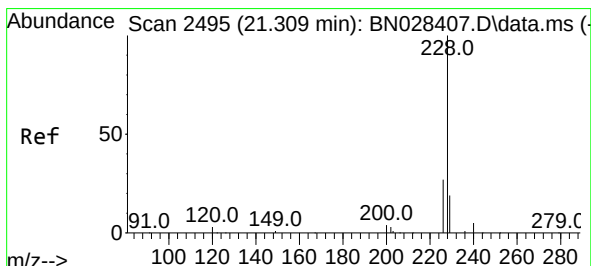
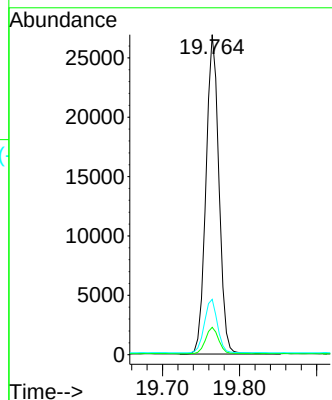


Tgt Ion:244 Resp: 31398
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 17.3 12.6 19.0

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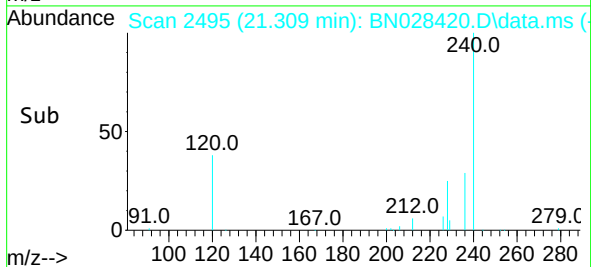
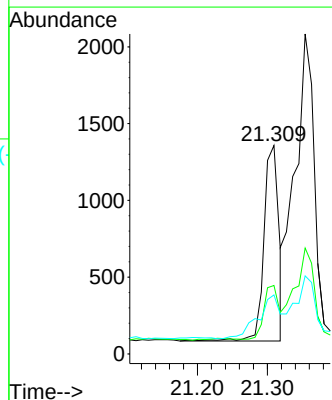
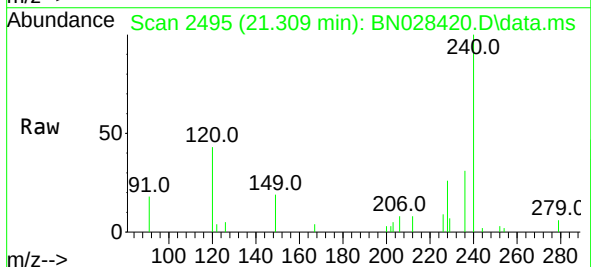
Reviewed By :Yogesh
Patel
11/04/2023

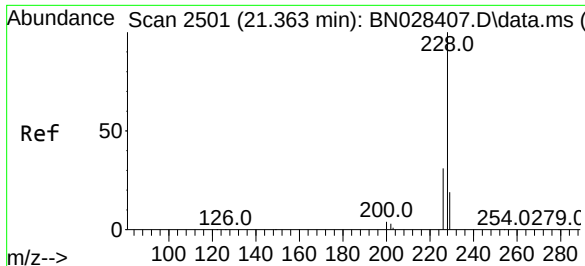
Supervised By :mohammad
ahmed
11/04/2023



#32
Benzo(a)anthracene
Concen: 0.022 ng
RT: 21.309 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

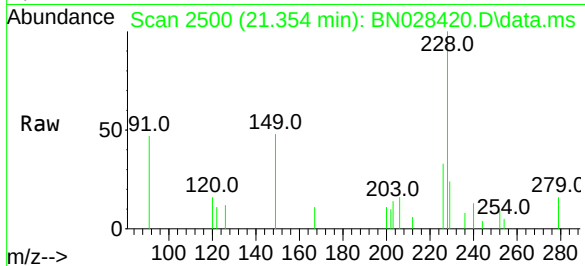
Tgt Ion:228 Resp: 1888
Ion Ratio Lower Upper
228 100
226 32.8 21.8 32.8#
229 28.3 15.5 23.3#





#33
Chrysene
Concen: 0.040 ng
RT: 21.354 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

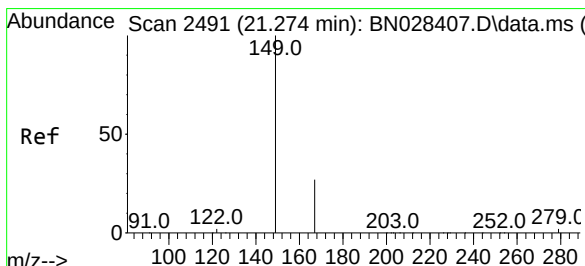
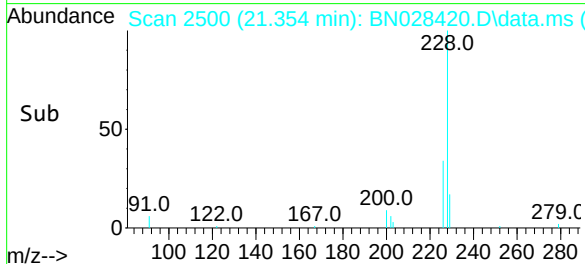
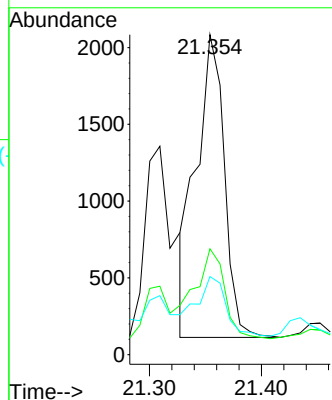


Tgt Ion:228 Resp: 344
Ion Ratio Lower Upper
228 100
226 33.1 24.6 36.8
229 24.4 15.7 23.5

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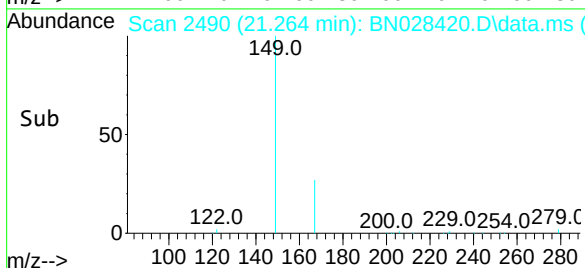
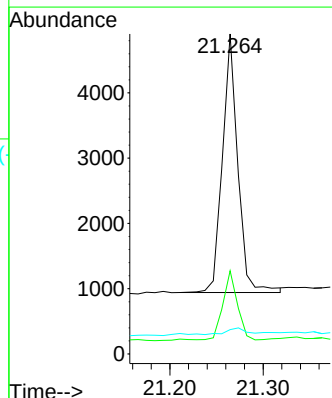
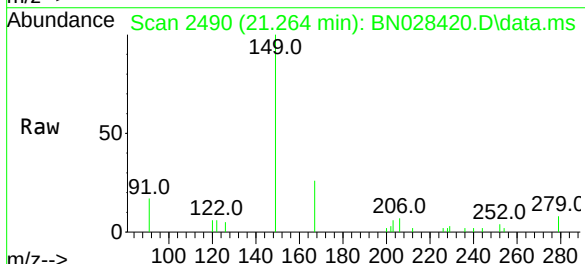
Reviewed By :Yogesh
Patel
11/04/2023

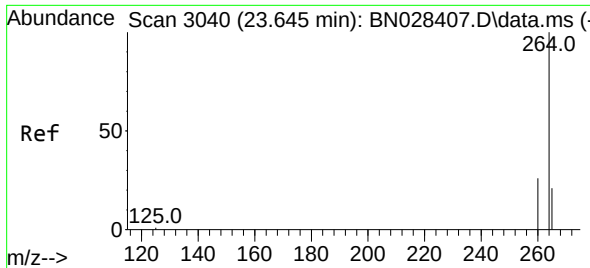
Supervised By :mohammad
ahmed
11/04/2023



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.264 min Scan# 2490
Delta R.T. -0.010 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

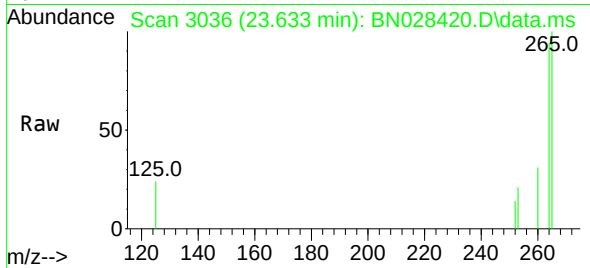
Tgt Ion:149 Resp: 4528
Ion Ratio Lower Upper
149 100
167 25.2 21.4 32.0
279 3.2 2.3 3.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.633 min Scan# 3040
 Delta R.T. -0.012 min
 Lab File: BN028420.D
 Acq: 02 Nov 2023 14:17

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-188-GW-100-102

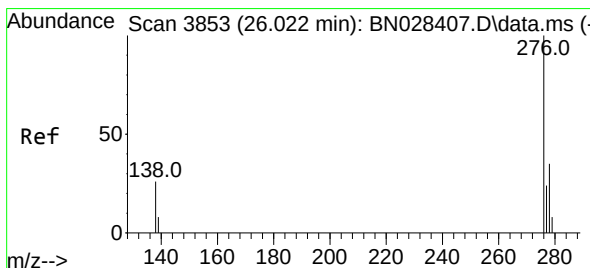
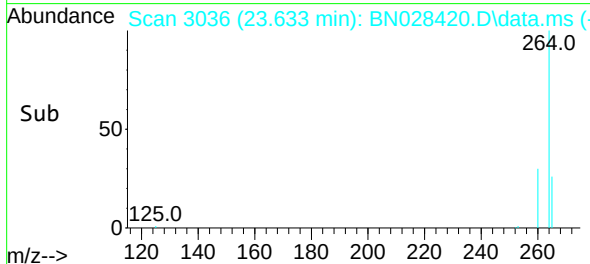
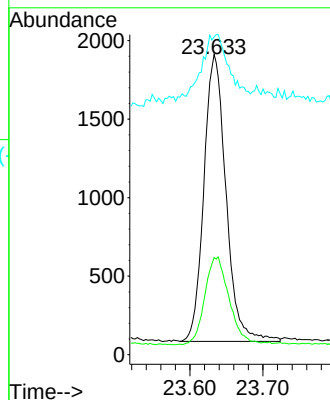


Tgt Ion:264 Resp: 3845
 Ion Ratio Lower Upper
 264 100
 260 32.4 20.8 31.25
 265 105.9 21.7 32.58

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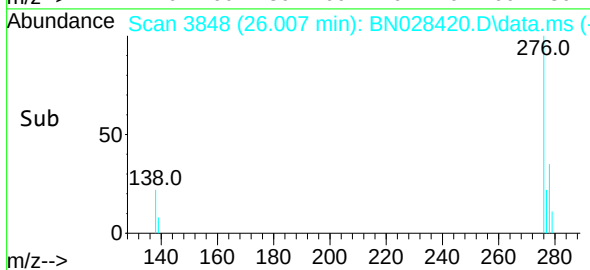
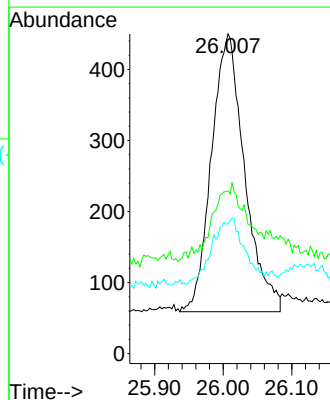
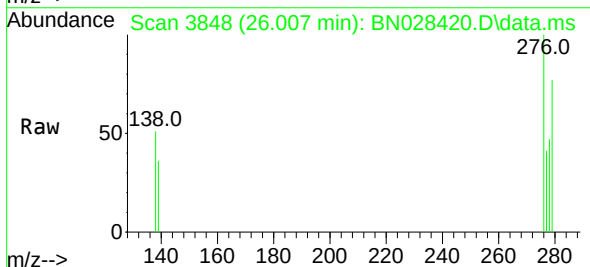
Reviewed By :Yogesh
 Patel
 11/04/2023

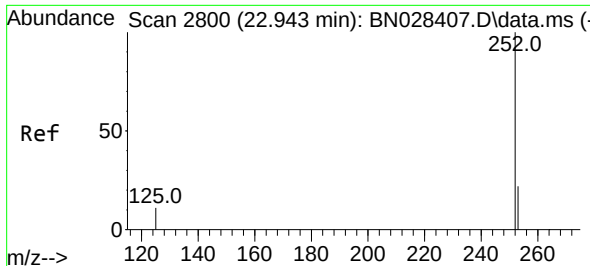
Supervised By :mohammad
 ahmed
 11/04/2023



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.134 ng
 RT: 26.007 min Scan# 3848
 Delta R.T. -0.015 min
 Lab File: BN028420.D
 Acq: 02 Nov 2023 14:17

Tgt Ion:276 Resp: 1313
 Ion Ratio Lower Upper
 276 100
 138 23.2 24.1 36.1#
 277 23.5 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.428 ng

RT: 22.937 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN028420.D

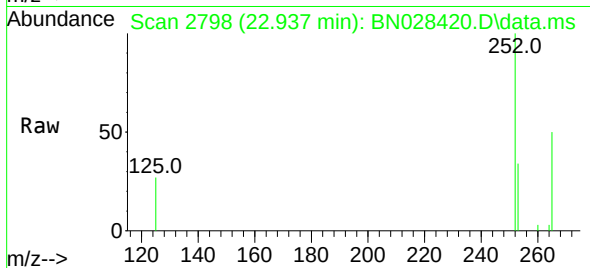
Acq: 02 Nov 2023 14:17

Instrument :

BNA_N

ClientSampleId :

BP-VPB-188-GW-100-102



Tgt Ion:252 Resp: 540

Ion Ratio Lower Upper

252 100

253 34.0 18.2 27.4

125 26.7 10.0 15.0

Manual Integrations

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Reviewed By :Yogesh

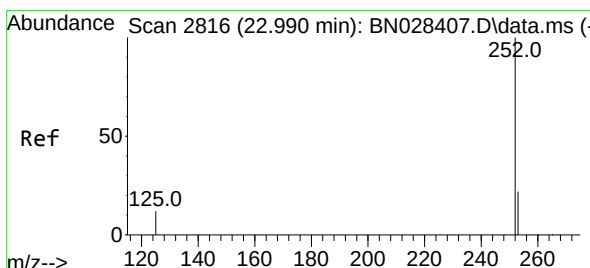
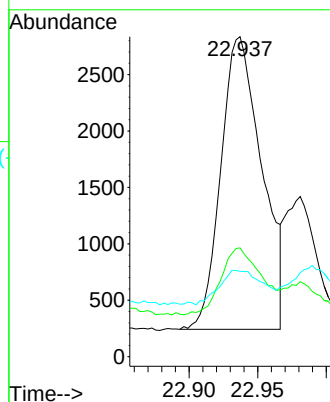
Patel

11/04/2023

Supervised By :mohammad

ahmed

11/04/2023



#38

Benzo(k)fluoranthene

Concen: 0.160 ng m

RT: 22.981 min Scan# 2813

Delta R.T. -0.009 min

Lab File: BN028420.D

Acq: 02 Nov 2023 14:17

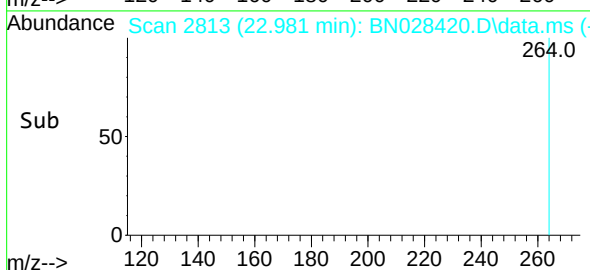
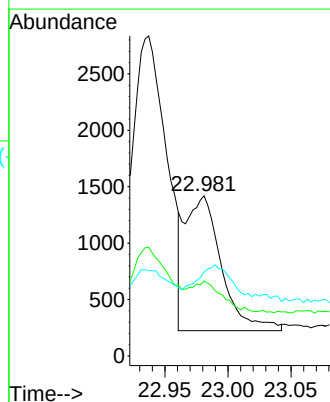
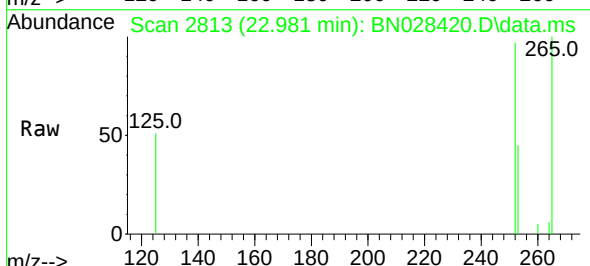
Tgt Ion:252 Resp: 2408

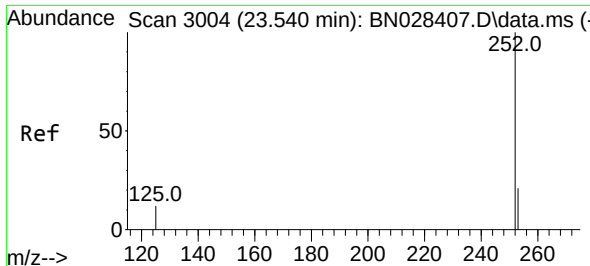
Ion Ratio Lower Upper

252 100

253 46.8 18.1 27.1

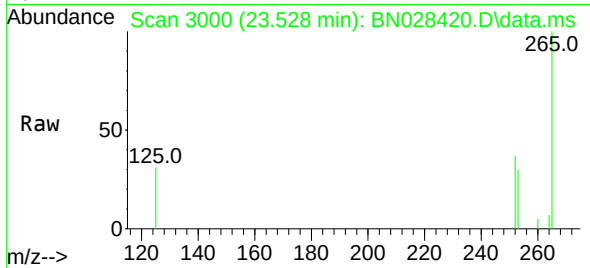
125 52.4 10.2 15.2





#39
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.528 min Scan# 3000
Delta R.T. -0.012 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102

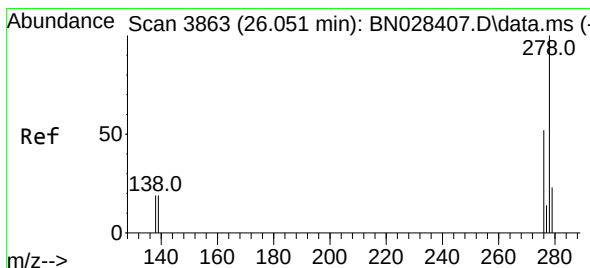
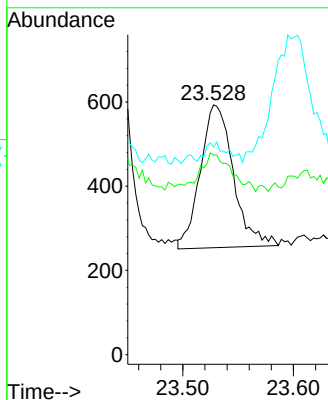


Tgt Ion:252 Resp: 704
Ion Ratio Lower Upper
252 100
253 79.9 17.9 26.9#
125 83.1 11.0 16.6#

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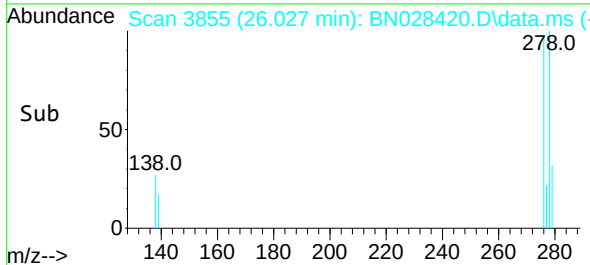
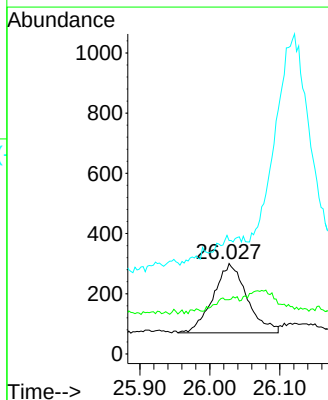
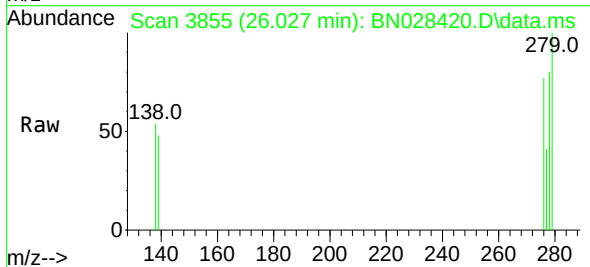
Reviewed By :Yogesh
Patel
11/04/2023

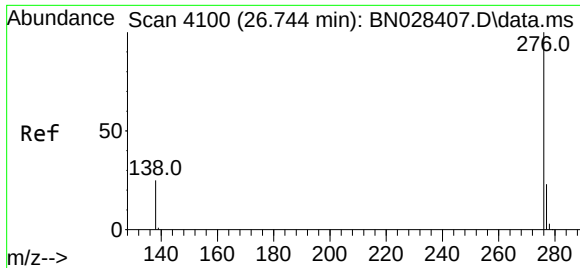
Supervised By :mohammad
ahmed
11/04/2023



#40
Dibenzo(a,h)anthracene
Concen: 0.063 ng
RT: 26.027 min Scan# 3855
Delta R.T. -0.024 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

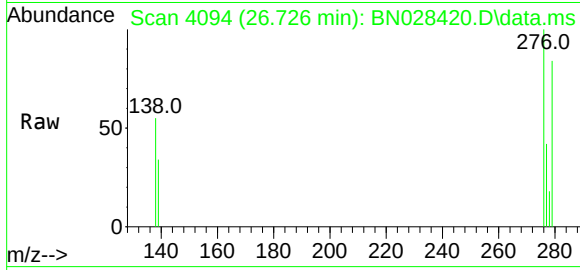
Tgt Ion:278 Resp: 771
Ion Ratio Lower Upper
278 100
139 60.0 15.8 23.8#
279 125.7 19.7 29.5#





#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 26.726 min Scan# 4094
Delta R.T. -0.018 min
Lab File: BN028420.D
Acq: 02 Nov 2023 14:17

Instrument :
BNA_N
ClientSampleId :
BP-VPB-188-GW-100-102



Tgt Ion:	276	Resp:	1150
Ion	Ratio	Lower	Upper
276	100		
277	42.1	19.0	28.4
138	55.3	21.1	31.7

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
11/04/2023

Supervised By :mohammad
ahmed
11/04/2023

