

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033555.D
 Acq On : 22 Aug 2024 16:30
 Operator : MA/JU
 Sample : P3643-13DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 921-J-SD-0-0.5-081524-FDDL

Quant Time: Aug 22 17:46:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 08/23/2024

Supervised By :mohammad
 ahmed
 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8448	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	22107	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	10289	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	19427	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	15770	0.400	ng	0.00
35) Perylene-d12	23.306	264	16544	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	987	0.037	ng	0.00
5) Phenol-d6	6.729	99	1181	0.037	ng	-0.01
8) Nitrobenzene-d5	8.681	82	815	0.044	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	1213	0.038	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	197	0.036	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	1667	0.040	ng	-0.01
27) Fluoranthene-d10	18.970	212	1614	0.035	ng	-0.01
31) Terphenyl-d14	19.584	244	1173	0.033	ng	-0.01
Target Compounds						Qvalue
12) 2-Methylnaphthalene	11.979	142	873	0.023	ng	# 86
17) Acenaphthene	14.242	154	7139	0.225	ng	97
18) Fluorene	15.236	166	6638	0.166	ng	99
25) Phenanthrene	16.967	178	115708	2.141	ng	100
26) Anthracene	17.066	178	26162	0.547	ng	# 96
28) Fluoranthene	19.003	202	217756	3.646	ng	100
30) Pyrene	19.365	202	187564	2.665	ng	# 94
32) Benzo(a)anthracene	21.122	228	100763	1.767	ng	99
33) Chrysene	21.175	228	87555	1.545	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	2213m	0.061	ng	
36) Indeno(1,2,3-cd)pyrene	25.455	276	56522	0.823	ng	94
37) Benzo(b)fluoranthene	22.663	252	118266	1.914	ng	# 95
38) Benzo(k)fluoranthene	22.704	252	44023m	0.724	ng	
39) Benzo(a)pyrene	23.212	252	87254m	1.707	ng	
40) Dibenzo(a,h)anthracene	25.469	278	13043	0.237	ng	94
41) Benzo(g,h,i)perylene	26.110	276	56793	0.967	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033555.D
Acq On : 22 Aug 2024 16:30
Operator : MA/JU
Sample : P3643-13DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

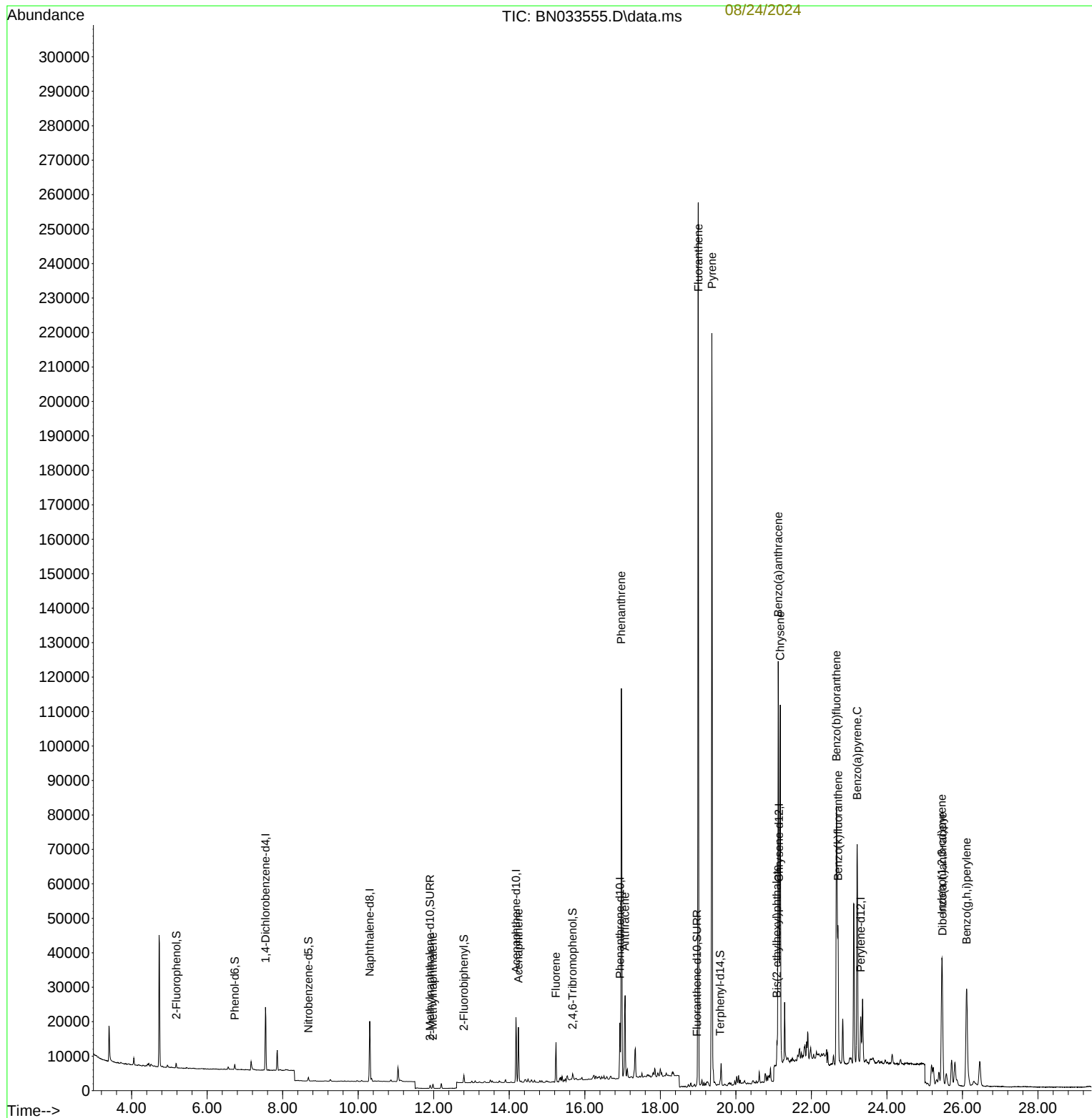
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

Quant Time: Aug 22 17:46:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/23/2024

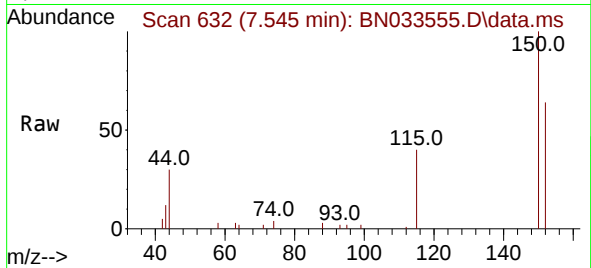
Supervised By :mohammad
ahmed
08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 611
Delta R.T. -0.014 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

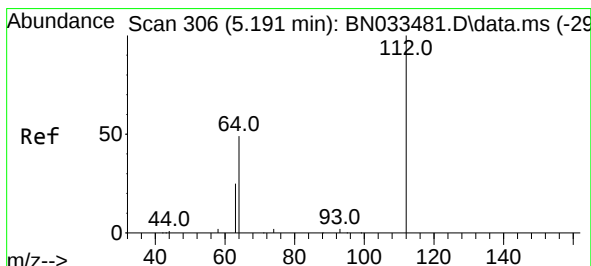
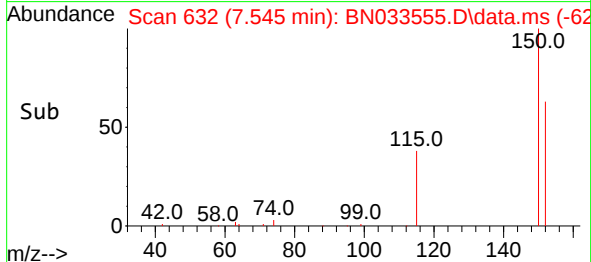
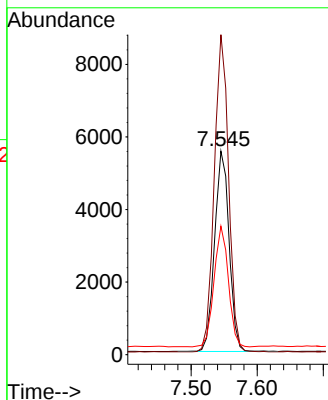


Tgt Ion:152 Resp: 844
Ion Ratio Lower Upper
152 100
150 157.3 122.2 183.2
115 63.2 47.2 70.8

Manual Integrations
APPROVED

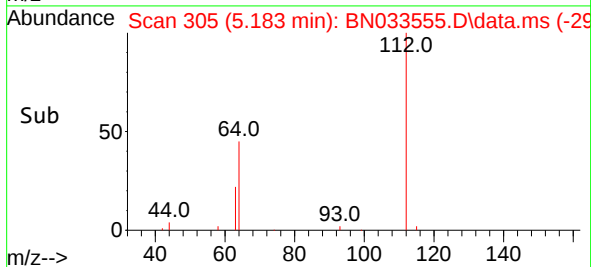
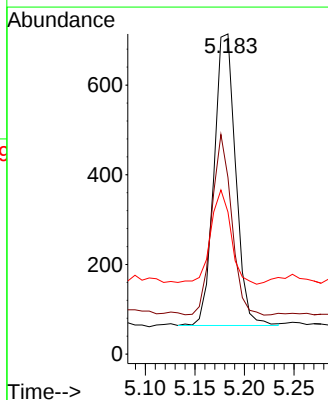
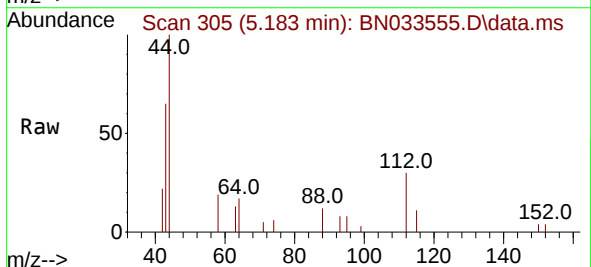
Reviewed By :Yogesh
Patel
08/23/2024

Supervised By :mohammad
ahmed
08/24/2024



#4
2-Fluorophenol
Concen: 0.037 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

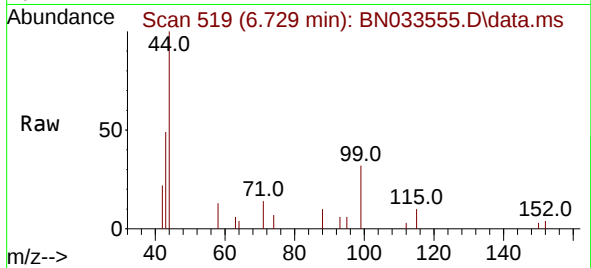
Tgt Ion:112 Resp: 987
Ion Ratio Lower Upper
112 100
64 56.5 47.1 70.7
63 30.3 24.9 37.3





#5
Phenol-d6
Concen: 0.037 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.014 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

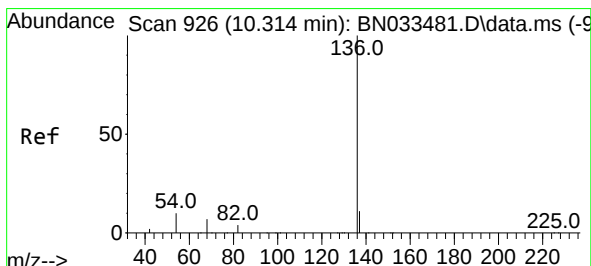
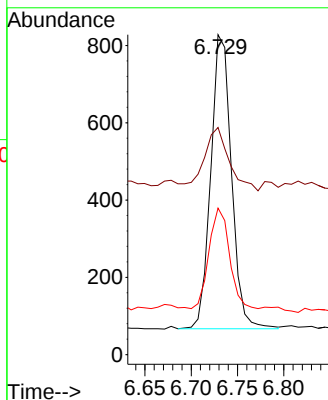
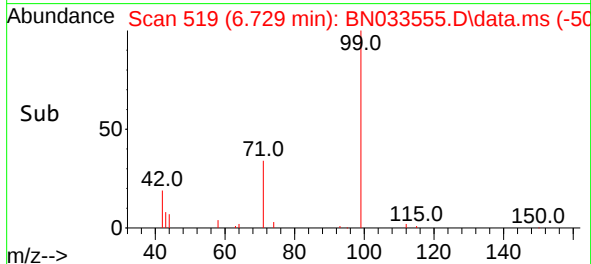


Tgt Ion: 99 Resp: 118
Ion Ratio Lower Upper
99 100
42 25.7 16.6 24.8
71 33.7 26.2 39.4

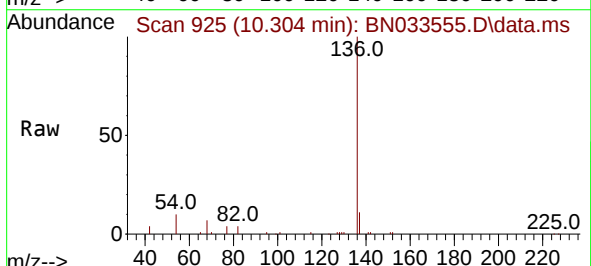
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/23/2024

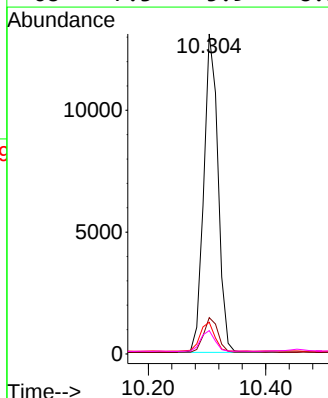
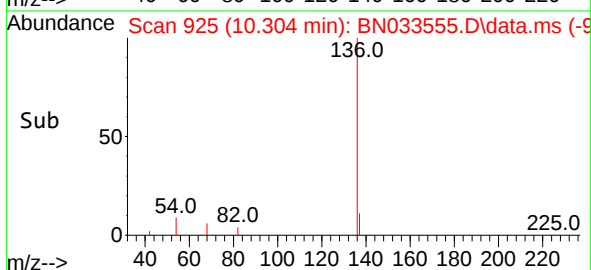
Supervised By :mohammad
ahmed
08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30



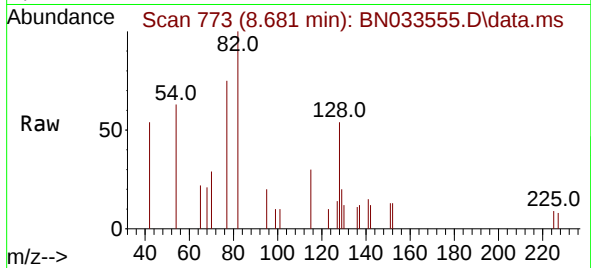
Tgt Ion:136 Resp: 22107
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.9 8.3 12.5
68 7.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

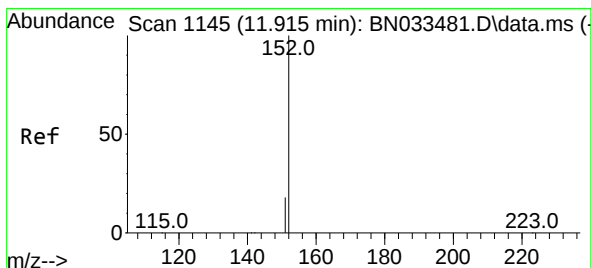
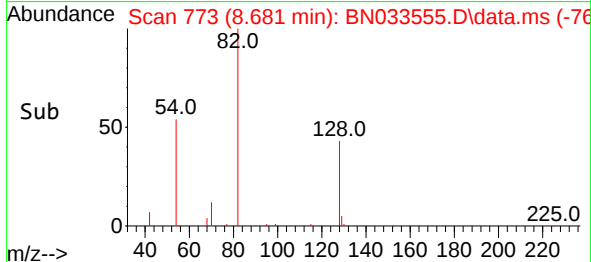
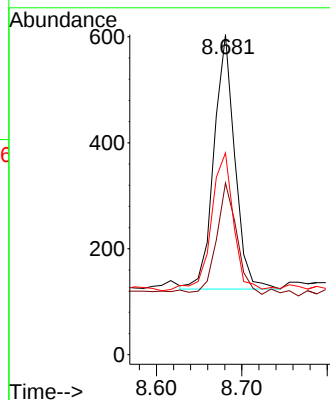


Tgt Ion: 82 Resp: 81
Ion Ratio Lower Upper
82 100
128 53.6 36.0 54.0
54 63.1 42.0 63.0

Manual Integrations
APPROVED

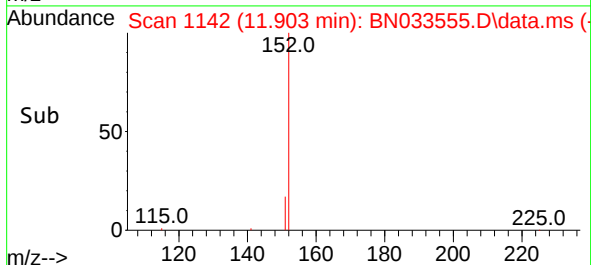
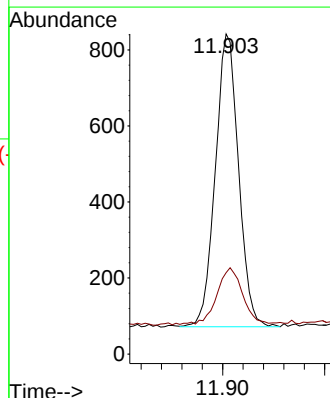
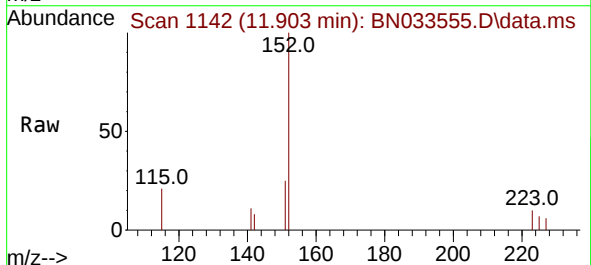
Reviewed By :Yogesh
Patel
08/23/2024

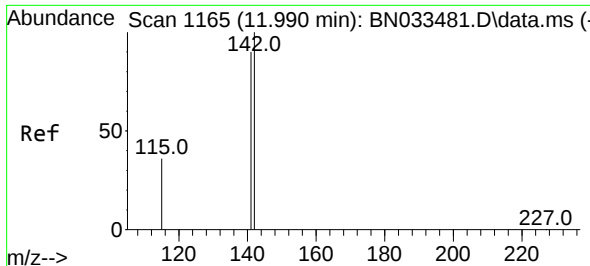
Supervised By :mohammad
ahmed
08/24/2024



#11
2-Methylnaphthalene-d10
Concen: 0.038 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

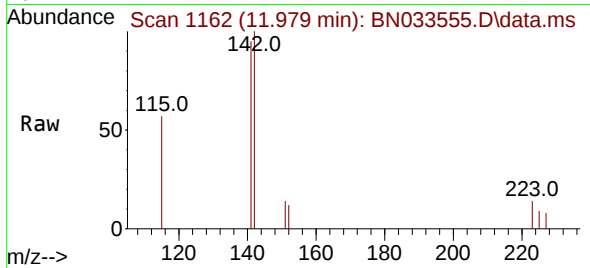
Tgt Ion:152 Resp: 1213
Ion Ratio Lower Upper
152 100
151 21.4 16.6 25.0





#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument : BNA_N
ClientSampleId : 921-J-SD-0-0.5-081524-FDDL

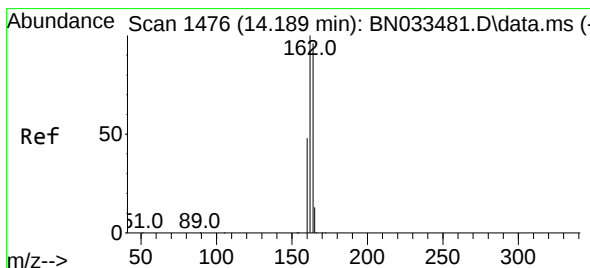
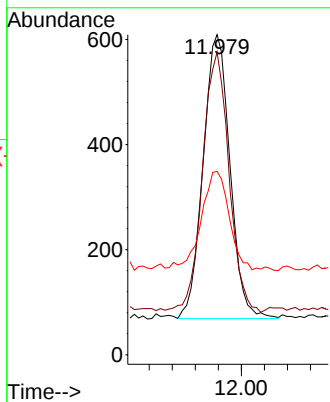
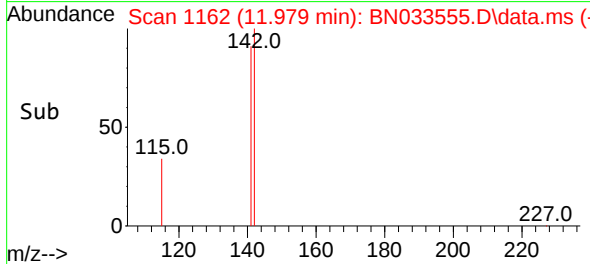


Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
141 94.6 71.7 107.5
115 57.3 29.4 44.2

Manual Integrations
APPROVED

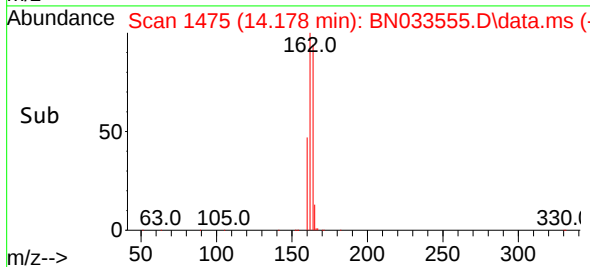
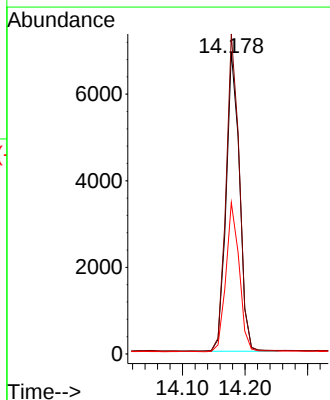
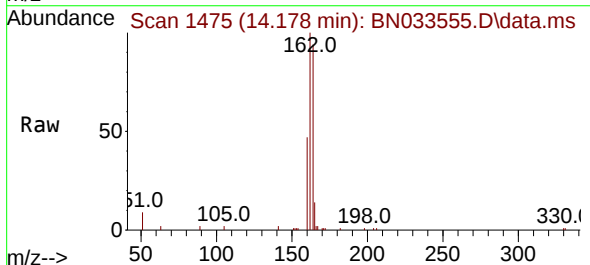
Reviewed By :Yogesh
Patel
08/23/2024

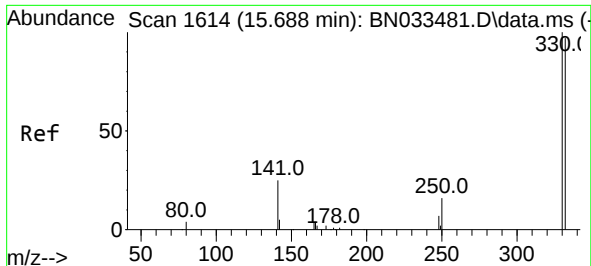
Supervised By :mohammad
ahmed
08/24/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

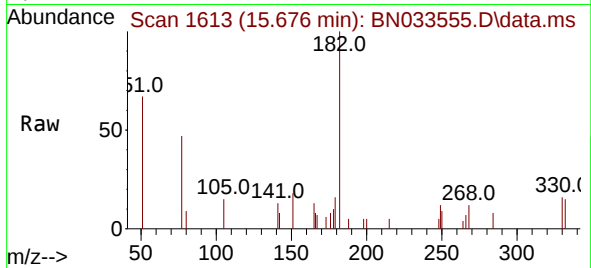
Tgt Ion:164 Resp: 10289
Ion Ratio Lower Upper
164 100
162 106.0 83.5 125.3
160 50.1 40.2 60.4





#14
2,4,6-Tribromophenol
Concen: 0.036 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

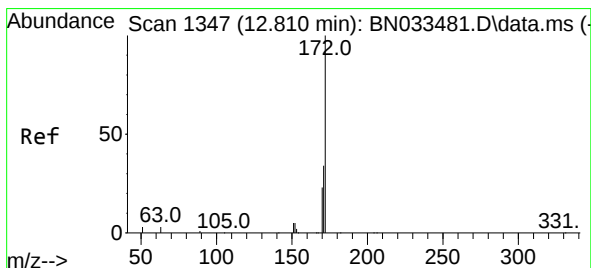
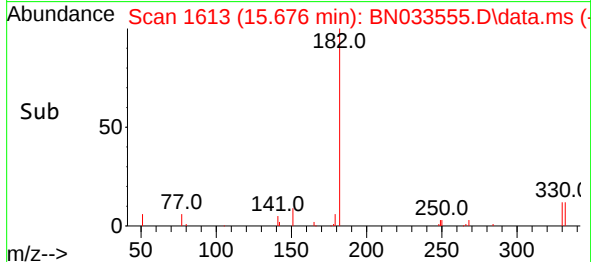
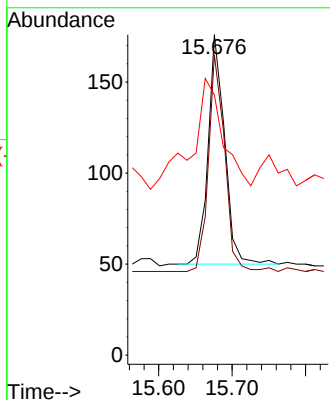


Tgt Ion: 330 Resp: 197
Ion Ratio Lower Upper
330 100
332 92.4 77.5 116.3
141 82.2 33.9 50.9

Manual Integrations
APPROVED

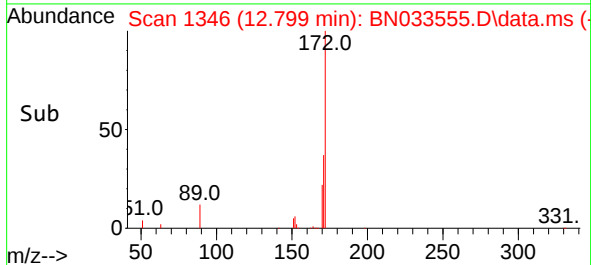
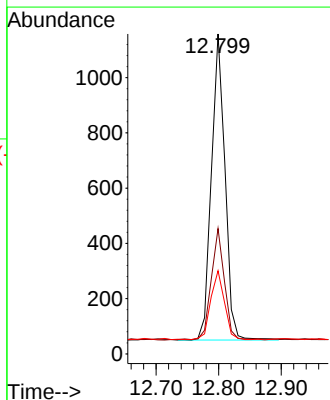
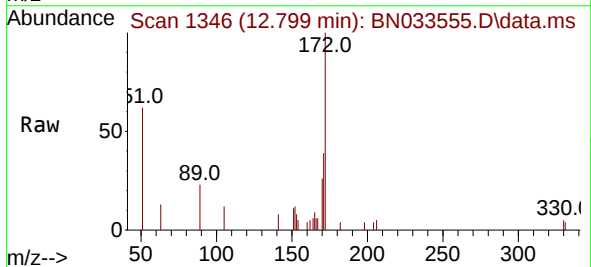
Reviewed By :Yogesh
Patel
08/23/2024

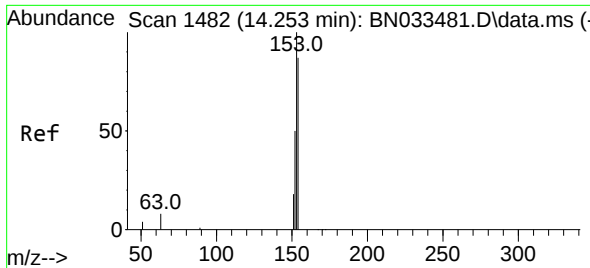
Supervised By :mohammad
ahmed
08/24/2024



#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

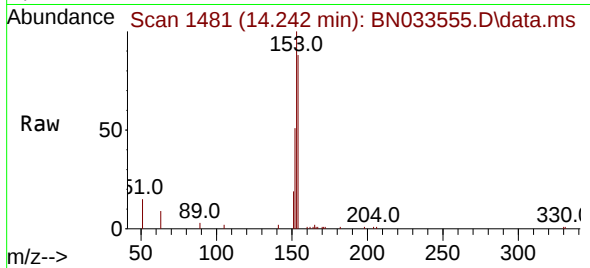
Tgt Ion: 172 Resp: 1667
Ion Ratio Lower Upper
172 100
171 39.2 27.7 41.5
170 26.0 18.3 27.5





#17
Acenaphthene
Concen: 0.225 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

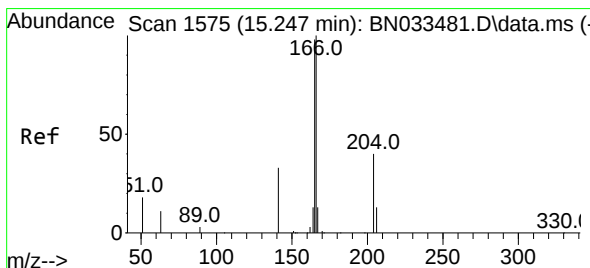
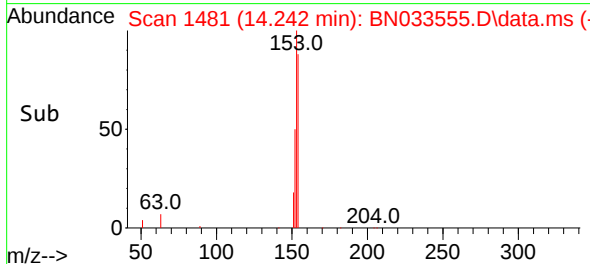
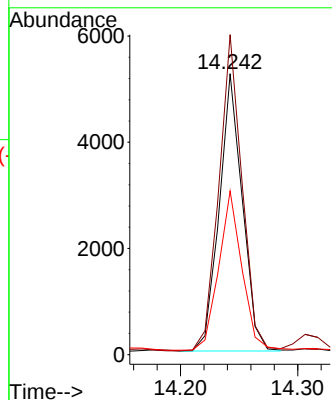


Tgt Ion:154 Resp: 7139
Ion Ratio Lower Upper
154 100
153 114.3 89.0 133.6
152 57.9 45.2 67.8

Manual Integrations
APPROVED

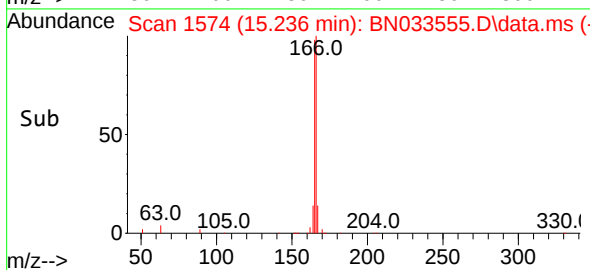
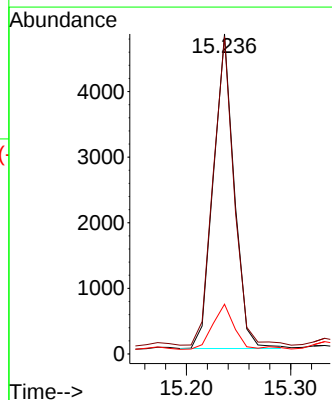
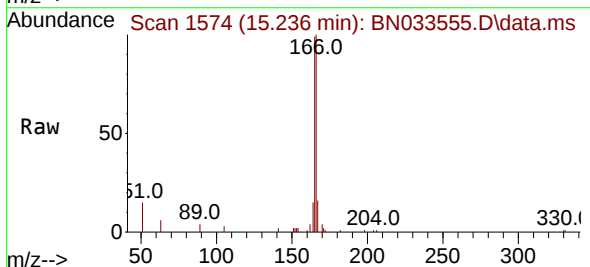
Reviewed By :Yogesh
Patel
08/23/2024

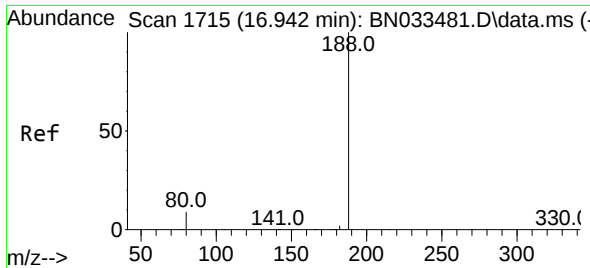
Supervised By :mohammad
ahmed
08/24/2024



#18
Fluorene
Concen: 0.166 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Tgt Ion:166 Resp: 6638
Ion Ratio Lower Upper
166 100
165 97.8 78.2 117.4
167 15.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

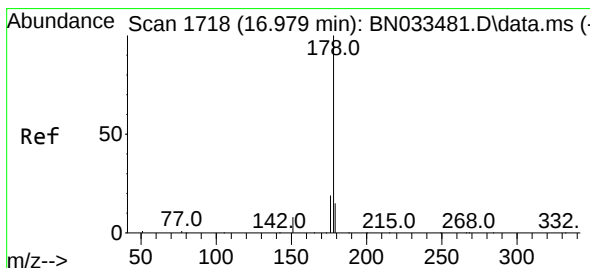
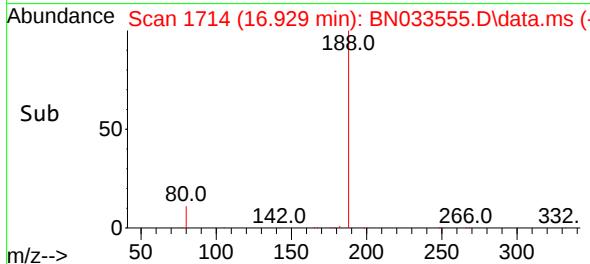
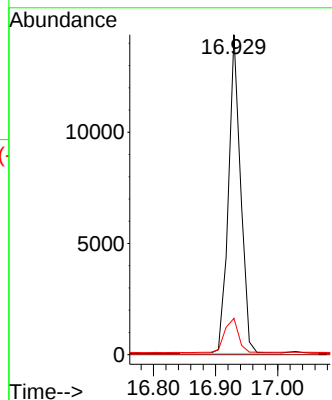
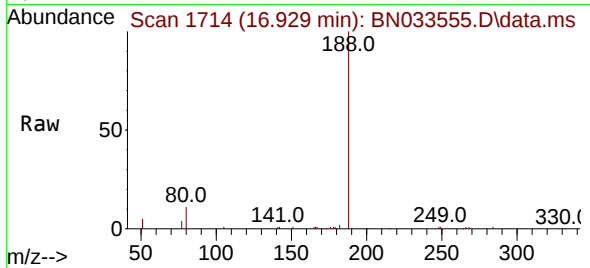
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

Tgt Ion:188 Resp: 1942
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 7.8 11.8

Manual Integrations
APPROVED

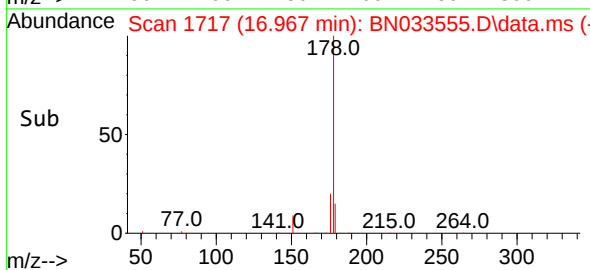
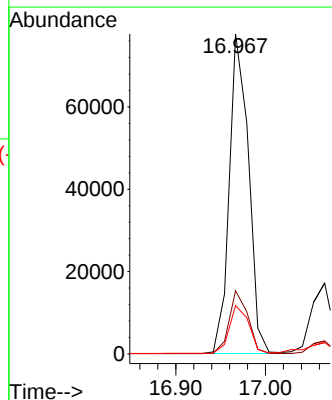
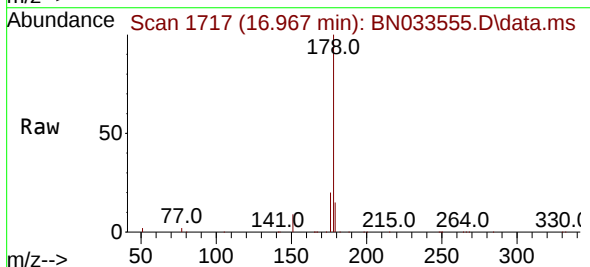
Reviewed By :Yogesh
Patel
08/23/2024

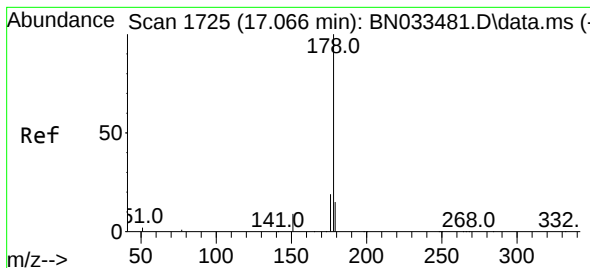
Supervised By :mohammad
ahmed
08/24/2024



#25
Phenanthrene
Concen: 2.141 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

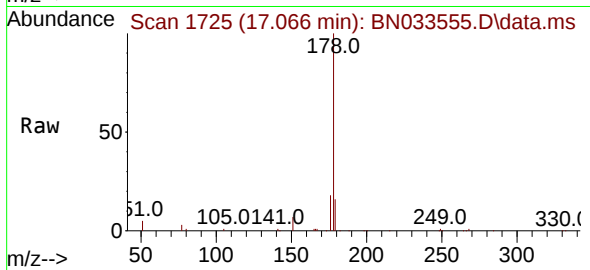
Tgt Ion:178 Resp: 115708
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 0.547 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033555.D
 Acq: 22 Aug 2024 16:30

Instrument :
 BNA_N
 ClientSampleId :
 921-J-SD-0-0.5-081524-FDDL

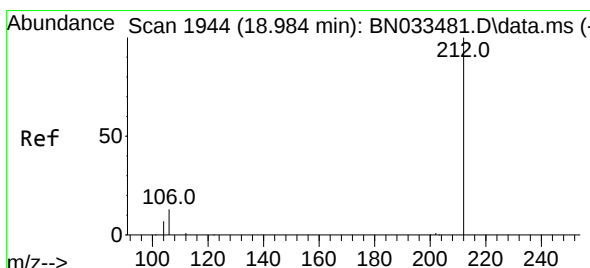
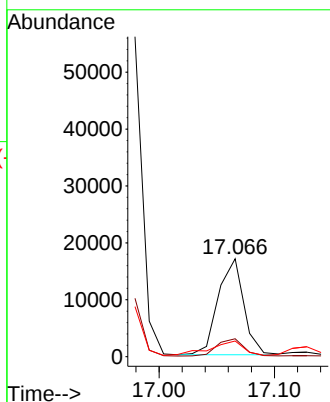
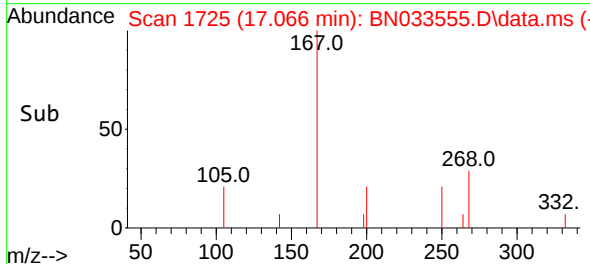


Tgt Ion:178 Resp: 26162
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 19.3 12.4 18.6

Manual Integrations
 APPROVED

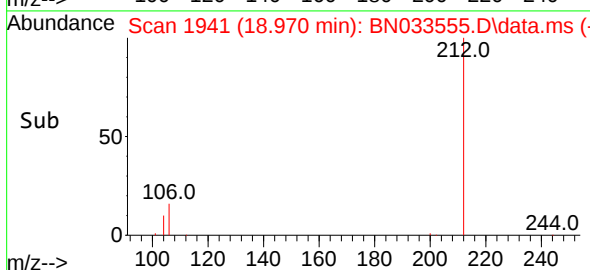
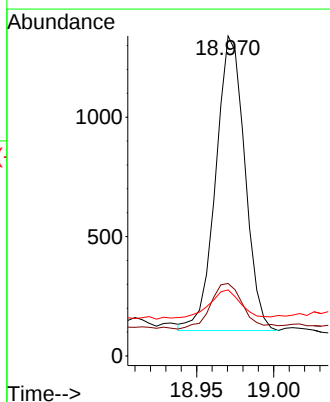
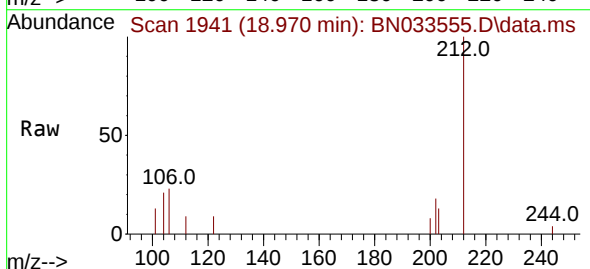
Reviewed By :Yogesh
 Patel
 08/23/2024

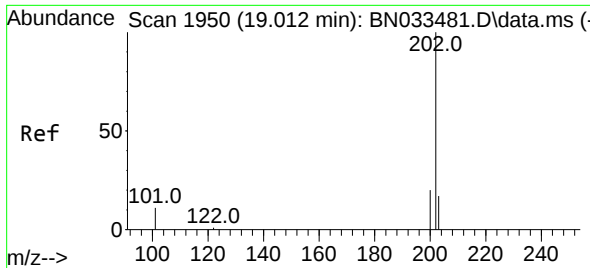
Supervised By :mohammad
 ahmed
 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033555.D
 Acq: 22 Aug 2024 16:30

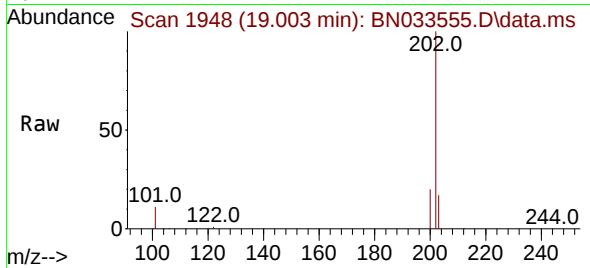
Tgt Ion:212 Resp: 1614
 Ion Ratio Lower Upper
 212 100
 106 17.6 12.3 18.5
 104 11.5 7.0 10.4





#28
Fluoranthene
Concen: 3.646 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

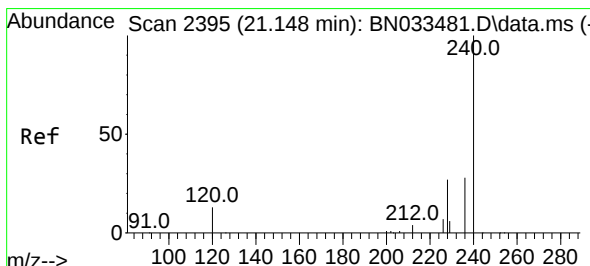
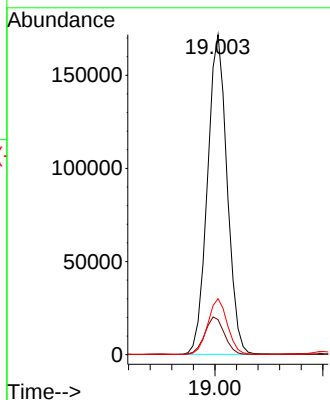
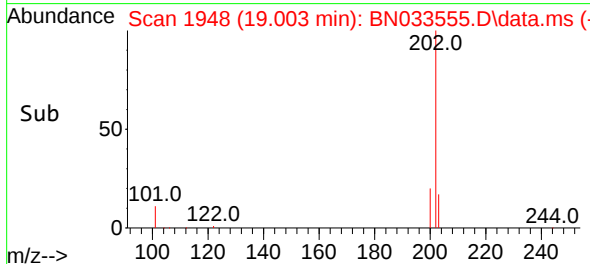


Tgt Ion:202 Resp: 217750
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6

Manual Integrations
APPROVED

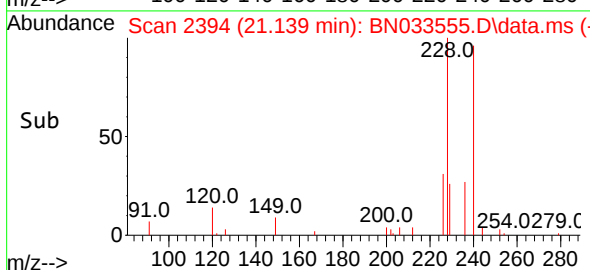
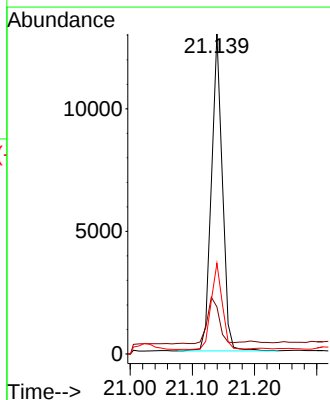
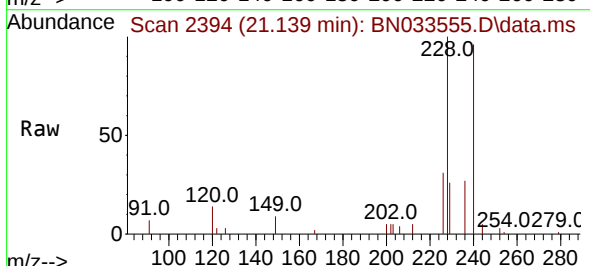
Reviewed By :Yogesh
Patel
08/23/2024

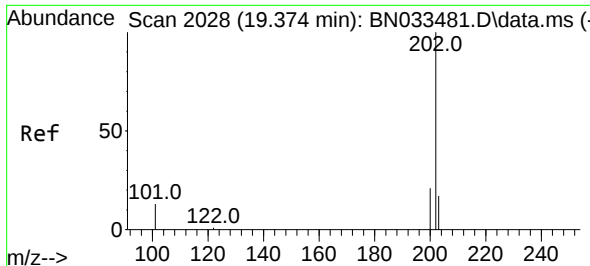
Supervised By :mohammad
ahmed
08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

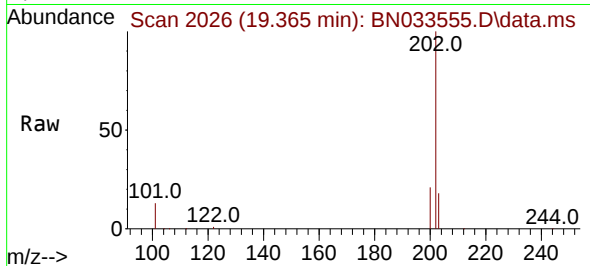
Tgt Ion:240 Resp: 15770
Ion Ratio Lower Upper
240 100
120 14.7 12.4 18.6
236 28.4 23.0 34.6





#30
Pyrene
Concen: 2.665 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

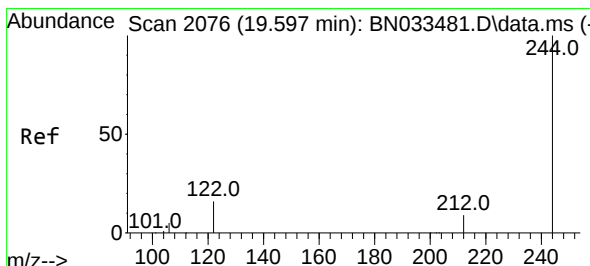
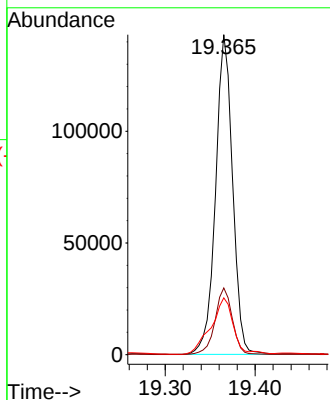


Tgt Ion:202 Resp: 187564
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 23.2 14.2 21.4

Manual Integrations
APPROVED

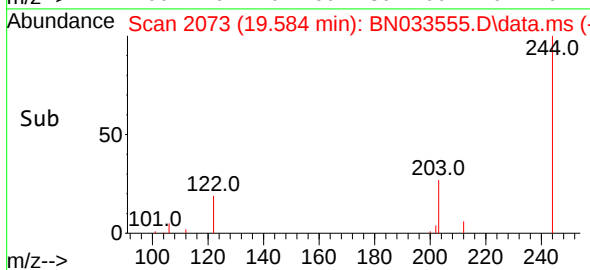
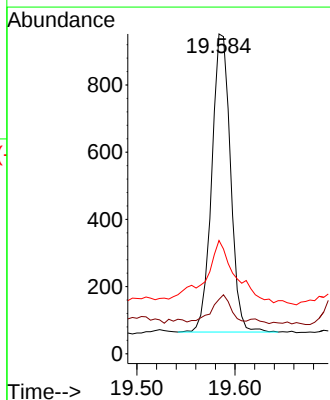
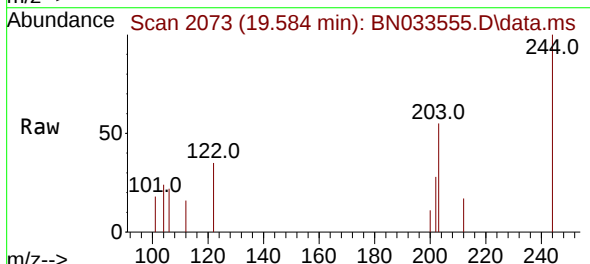
Reviewed By :Yogesh
Patel
08/23/2024

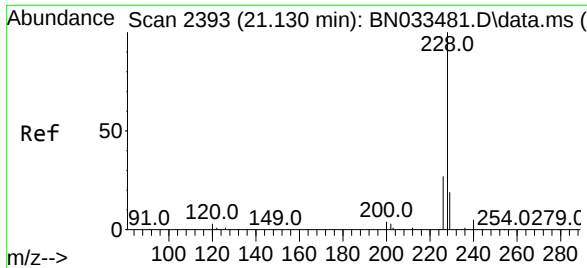
Supervised By :mohammad
ahmed
08/24/2024



#31
Terphenyl-d14
Concen: 0.033 ng
RT: 19.584 min Scan# 2073
Delta R.T. -0.014 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

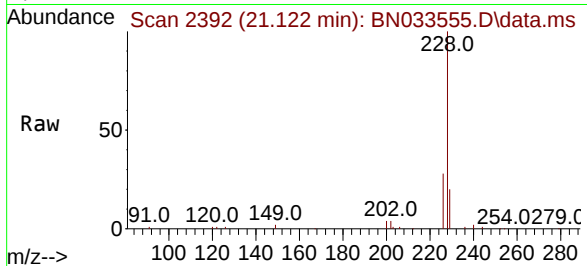
Tgt Ion:244 Resp: 1173
Ion Ratio Lower Upper
244 100
212 17.0 7.8 11.6#
122 35.4 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 1.767 ng
RT: 21.122 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

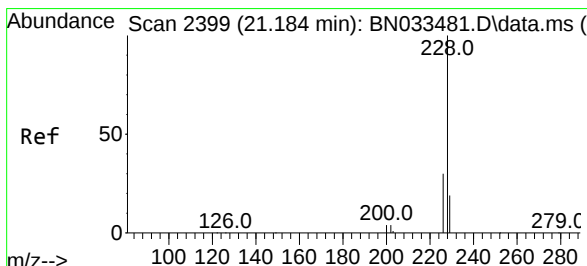
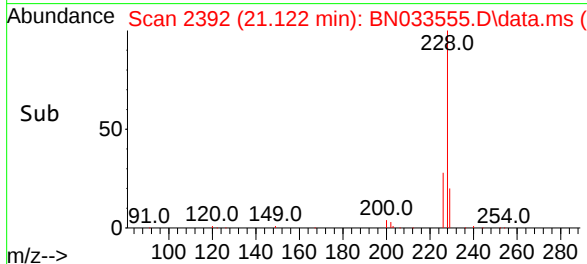
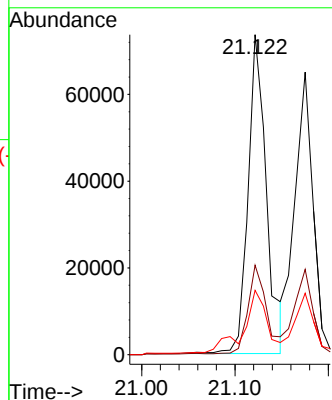


Tgt Ion:228 Resp: 100761
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.6
229 20.1 15.8 23.6

Manual Integrations
APPROVED

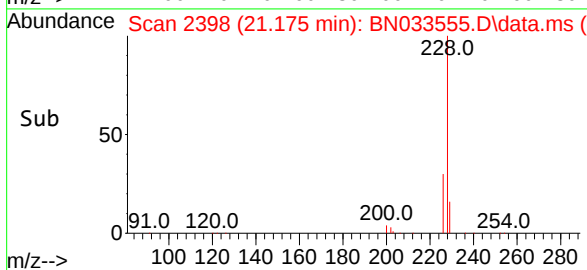
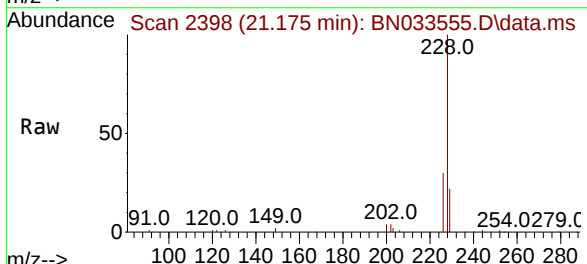
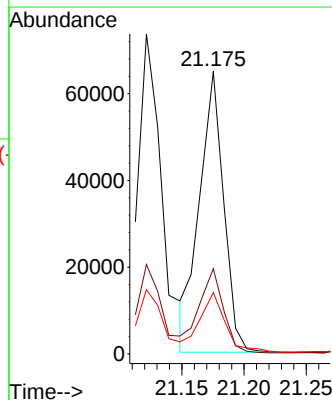
Reviewed By :Yogesh
Patel
08/23/2024

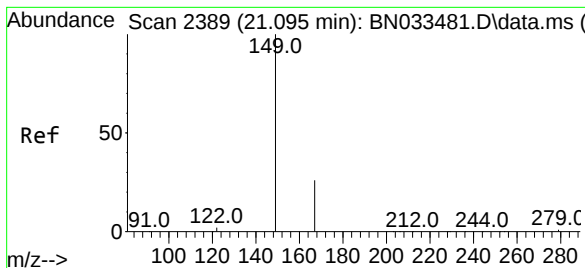
Supervised By :mohammad
ahmed
08/24/2024



#33
Chrysene
Concen: 1.545 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

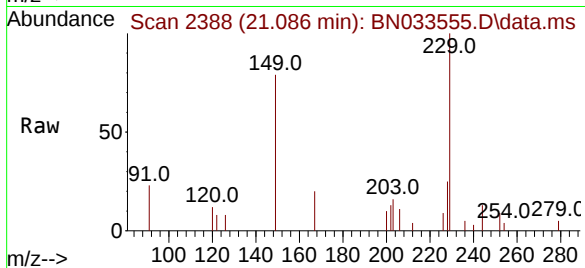
Tgt Ion:228 Resp: 87555
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 21.7 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng m
RT: 21.086 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

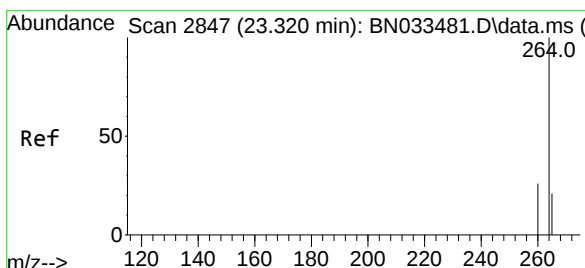
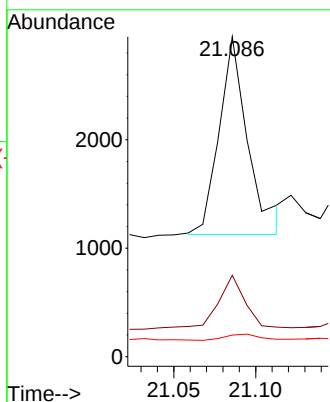
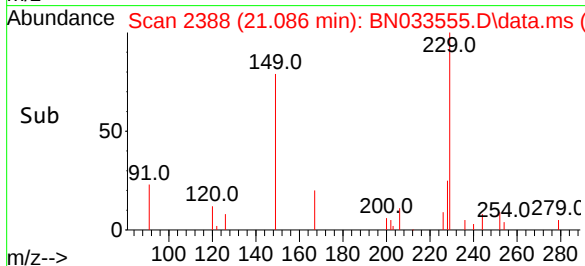


Tgt Ion:149 Resp: 221
Ion Ratio Lower Upper
149 100
167 38.3 21.5 32.3
279 8.3 2.2 3.2

Manual Integrations
APPROVED

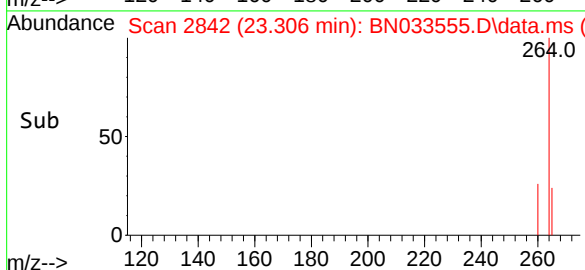
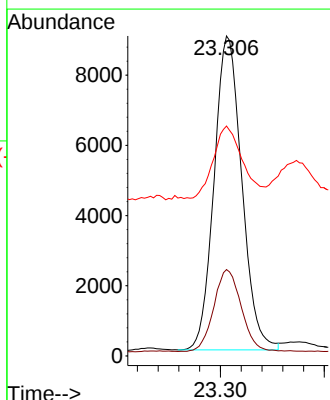
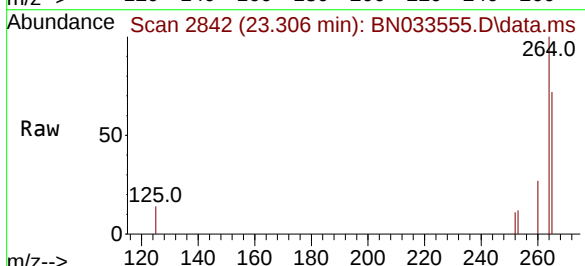
Reviewed By :Yogesh
Patel
08/23/2024

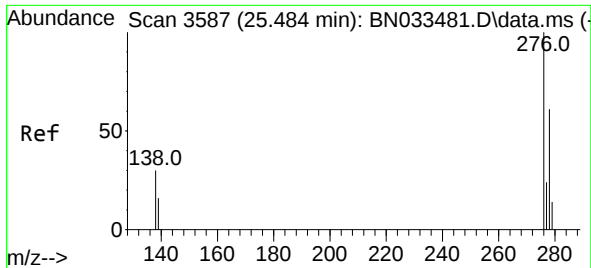
Supervised By :mohammad
ahmed
08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.306 min Scan# 2842
Delta R.T. -0.015 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

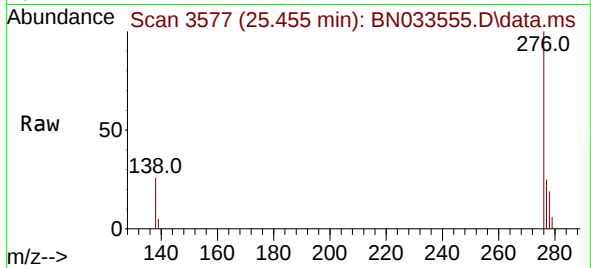
Tgt Ion:264 Resp: 16544
Ion Ratio Lower Upper
264 100
260 27.0 20.8 31.2
265 71.8 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.823 ng
RT: 25.455 min Scan# 3577
Delta R.T. -0.029 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

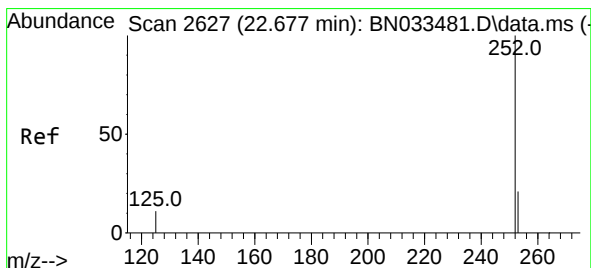
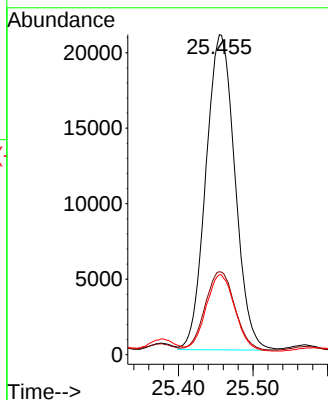


Tgt Ion:276 Resp: 5652
Ion Ratio Lower Upper
276 100
138 25.3 24.4 36.6
277 24.2 19.8 29.6

Manual Integrations
APPROVED

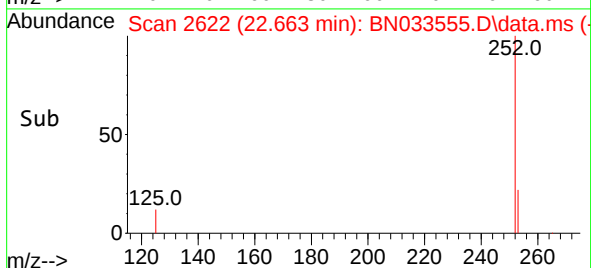
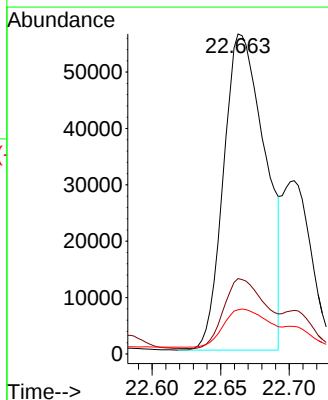
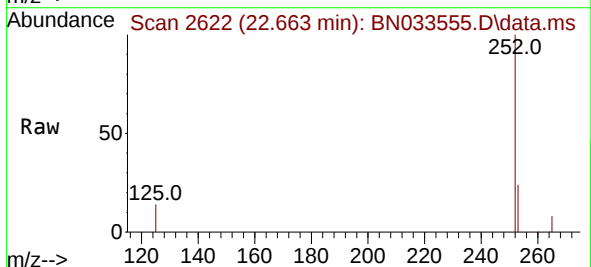
Reviewed By :Yogesh
Patel
08/23/2024

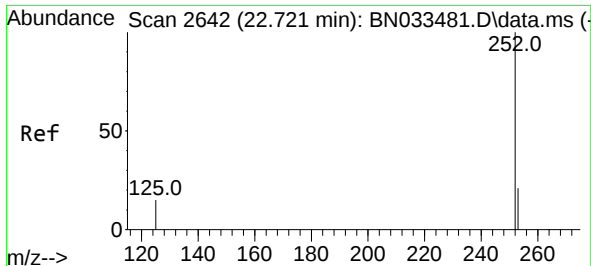
Supervised By :mohammad
ahmed
08/24/2024



#37
Benzo(b)fluoranthene
Concen: 1.914 ng
RT: 22.663 min Scan# 2622
Delta R.T. -0.015 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

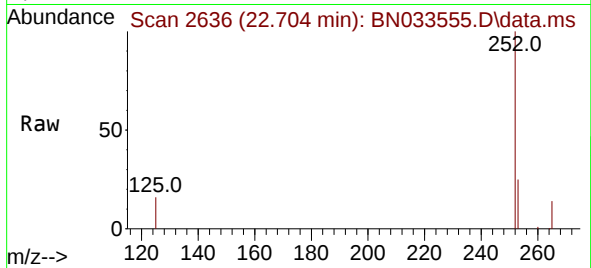
Tgt Ion:252 Resp: 118266
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 13.8 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 0.724 ng m
RT: 22.704 min Scan# 2636
Delta R.T. -0.017 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

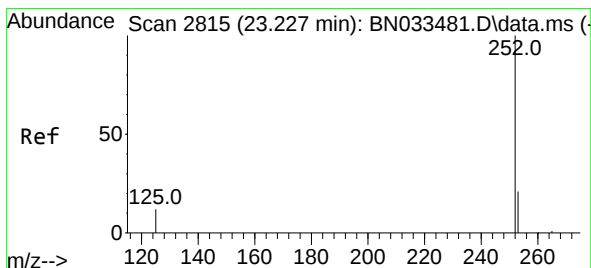
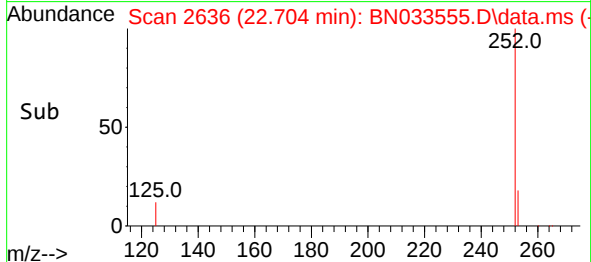
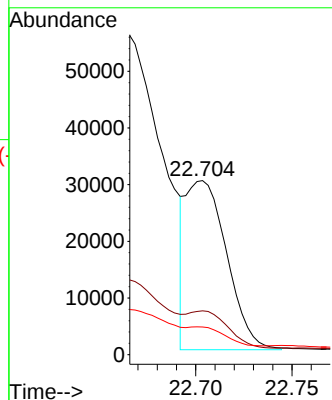


Tgt Ion:252 Resp: 44023
Ion Ratio Lower Upper
252 100
253 25.2 19.8 29.8
125 15.9 15.8 23.8

Manual Integrations
APPROVED

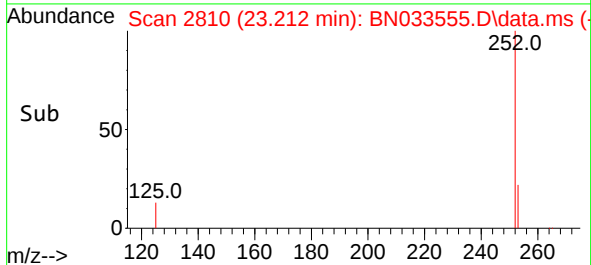
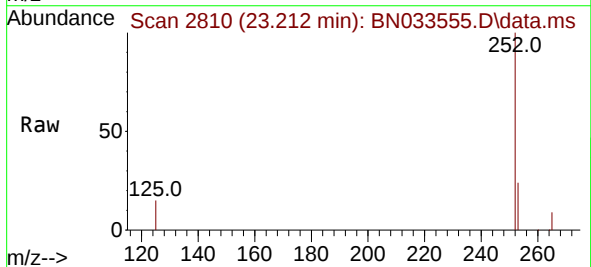
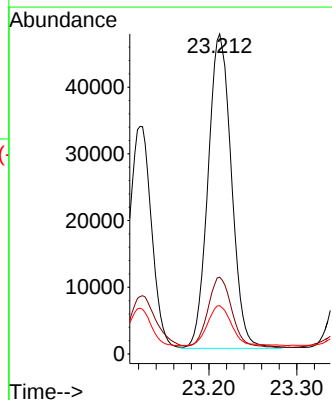
Reviewed By :Yogesh
Patel
08/23/2024

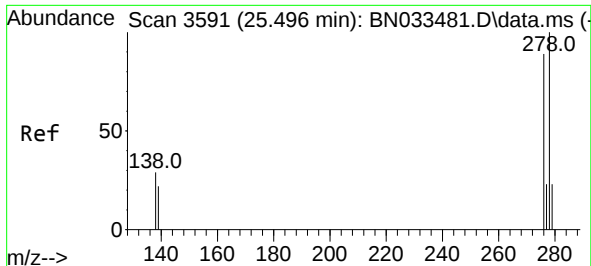
Supervised By :mohammad
ahmed
08/24/2024



#39
Benzo(a)pyrene
Concen: 1.707 ng m
RT: 23.212 min Scan# 2810
Delta R.T. -0.015 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

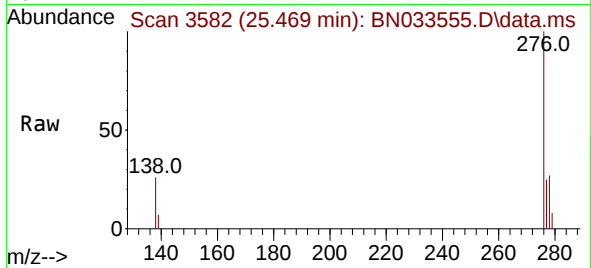
Tgt Ion:252 Resp: 87254
Ion Ratio Lower Upper
252 100
253 24.0 21.5 32.3
125 15.1 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.237 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_N
ClientSampleId :
921-J-SD-0-0.5-081524-FDDL

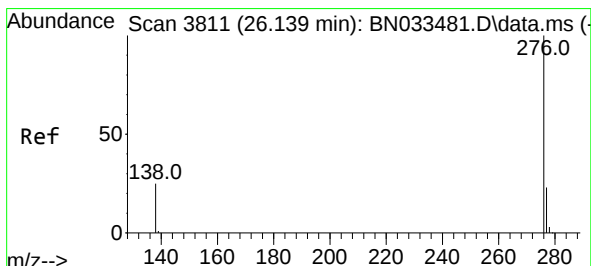
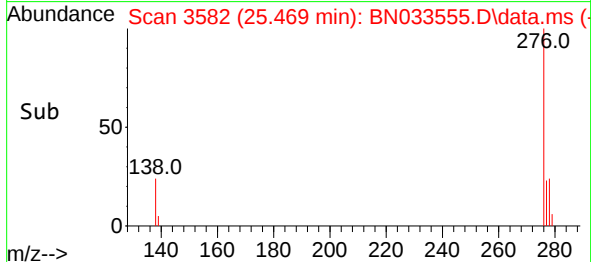
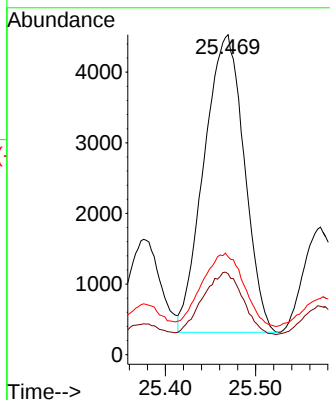


Tgt Ion:278 Resp: 1304
Ion Ratio Lower Upper
278 100
139 25.3 19.1 28.7
279 30.6 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/23/2024

Supervised By :mohammad
ahmed
08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 0.967 ng
RT: 26.110 min Scan# 3801
Delta R.T. -0.029 min
Lab File: BN033555.D
Acq: 22 Aug 2024 16:30

Tgt Ion:276 Resp: 56793
Ion Ratio Lower Upper
276 100
277 24.4 19.7 29.5
138 26.9 21.8 32.6

