

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027235.D
 Acq On : 29 Aug 2023 11:11
 Operator : MA/JU
 Sample : 04126-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE123D2-20230819

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 30 00:03:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	3773	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	9816	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	6511	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	15140	0.400	ng	0.00
29) Chrysene-d12	21.623	240	13170	0.400	ng	0.00
35) Perylene-d12	24.156	264	12336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	1885	0.192	ng	0.00
5) Phenol-d6	7.207	99	1252	0.105	ng	0.00
8) Nitrobenzene-d5	9.262	82	3012	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	6588	0.457	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1116	0.463	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	10124	0.409	ng	0.00
27) Fluoranthene-d10	19.467	212	19906	0.529	ng	0.00
31) Terphenyl-d14	20.053	244	14946	0.565	ng	0.00
Target Compounds						Qvalue
18) Fluorene	15.742	166	662	0.025	ng	# 95
25) Phenanthrene	17.492	178	2175m	0.049	ng	
26) Anthracene	17.579	178	1450	0.038	ng	98
28) Fluoranthene	19.495	202	3008	0.057	ng	# 96
30) Pyrene	19.862	202	3003	0.057	ng	98
32) Benzo(a)anthracene	21.605	228	2134	0.047	ng	93
33) Chrysene	21.659	228	2294	0.046	ng	94
34) Bis(2-ethylhexyl)phtha...	21.480	149	2957	0.136	ng	98
36) Indeno(1,2,3-cd)pyrene	26.832	276	1869	0.037	ng	# 85
37) Benzo(b)fluoranthene	23.370	252	2418	0.051	ng	# 39
38) Benzo(k)fluoranthene	23.420	252	1825	0.037	ng	# 30
39) Benzo(a)pyrene	24.040	252	1675	0.038	ng	# 10
41) Benzo(g,h,i)perylene	27.671	276	1569	0.034	ng	# 67

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

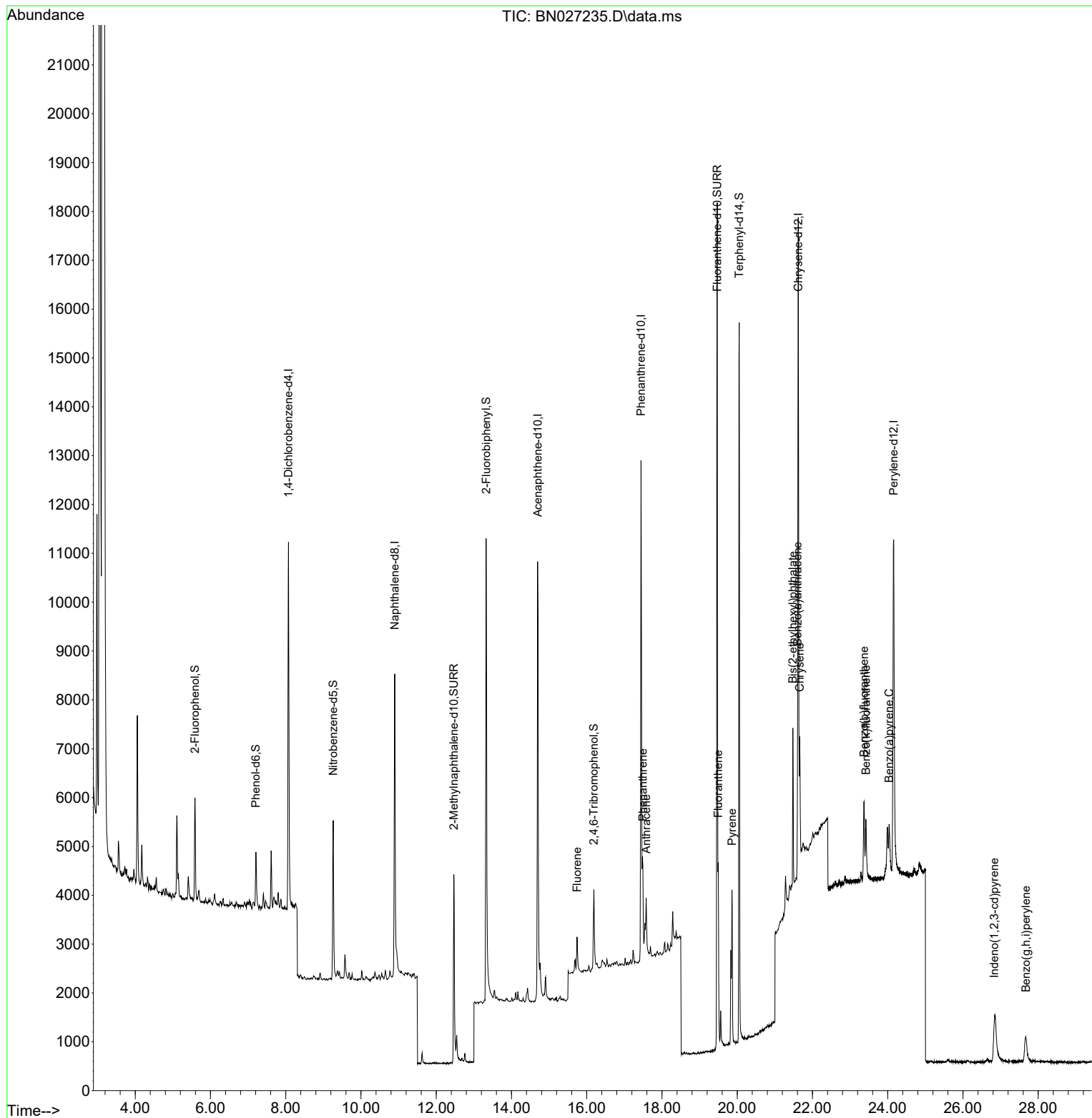
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
Data File : BN027235.D
Acq On : 29 Aug 2023 11:11
Operator : MA/JU
Sample : 04126-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

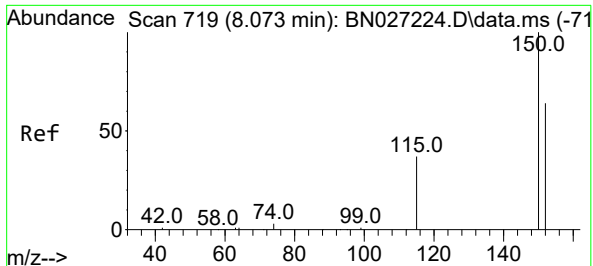
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819

Quant Time: Aug 30 00:03:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

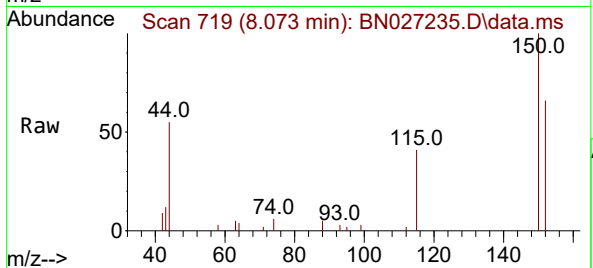
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.073 min Scan# 719
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

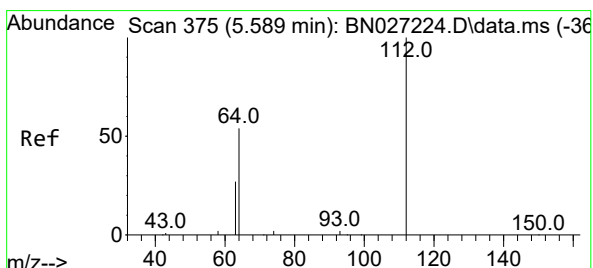
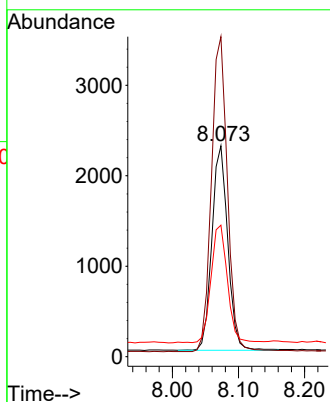
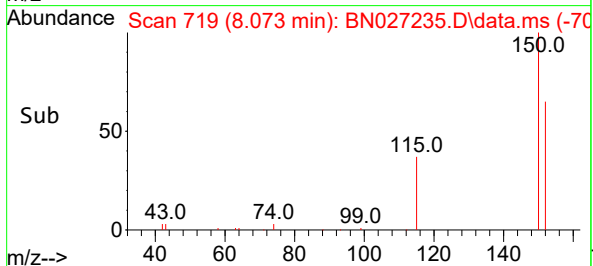
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion:152 Resp: 377
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 62.4 48.6 73.0

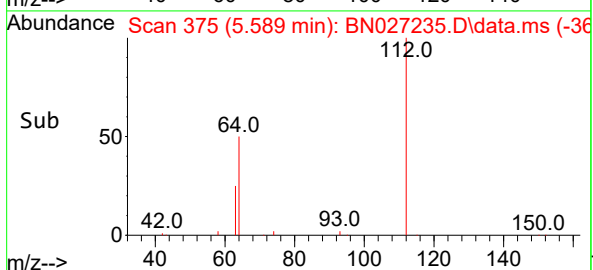
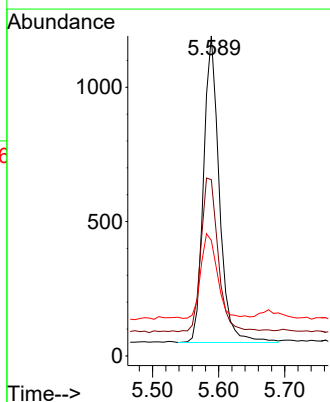
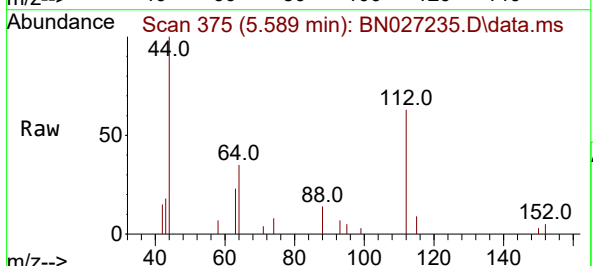
Manual Integrations
APPROVED

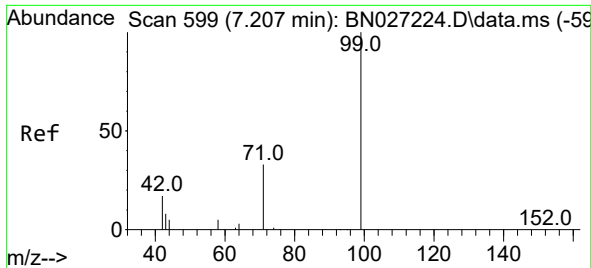
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#4
2-Fluorophenol
Concen: 0.192 ng
RT: 5.589 min Scan# 375
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

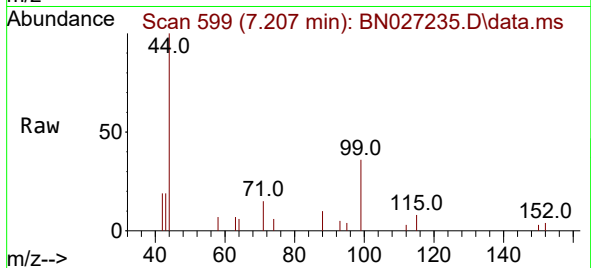
Tgt Ion:112 Resp: 1885
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 29.0 23.1 34.7





#5
Phenol-d6
Concen: 0.105 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

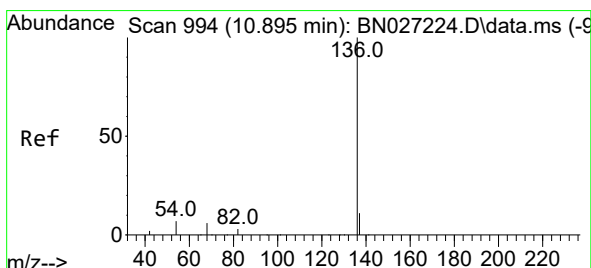
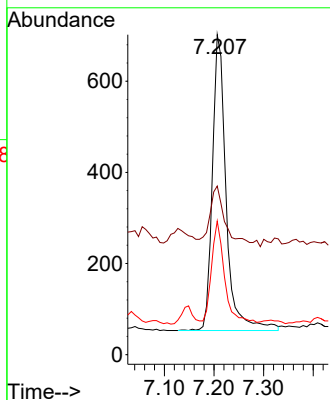
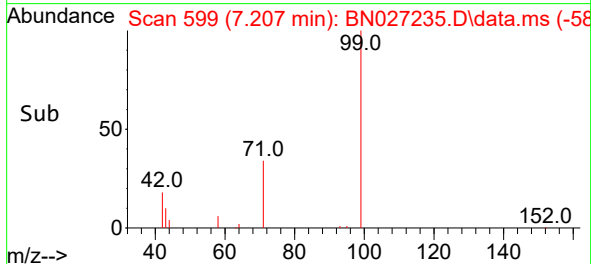
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion: 99 Resp: 125
Ion Ratio Lower Upper
99 100
42 18.6 14.5 21.7
71 31.9 25.8 38.6

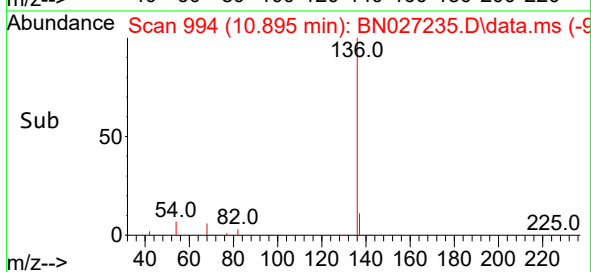
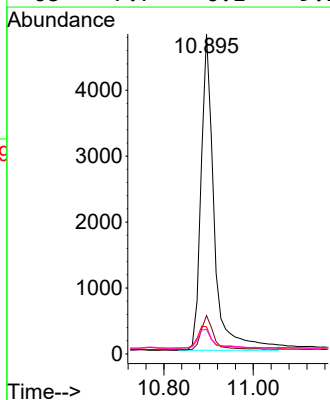
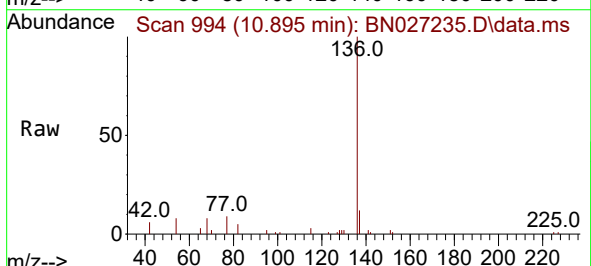
Manual Integrations
APPROVED

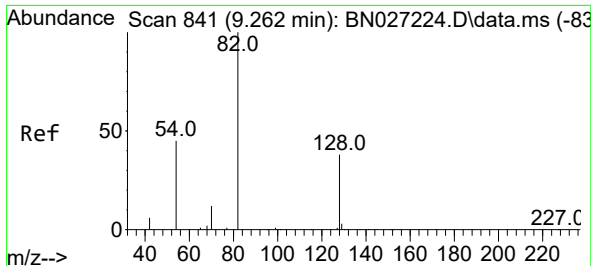
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

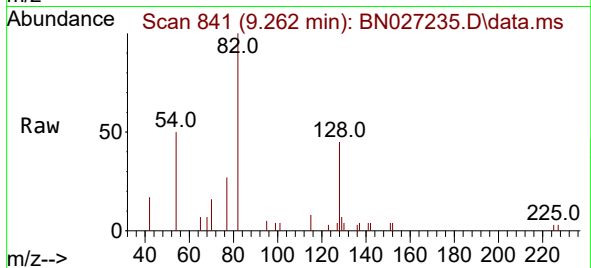
Tgt Ion:136 Resp: 9816
Ion Ratio Lower Upper
136 100
137 12.0 9.3 13.9
54 8.5 6.7 10.1
68 7.7 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 9.262 min Scan# 841
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

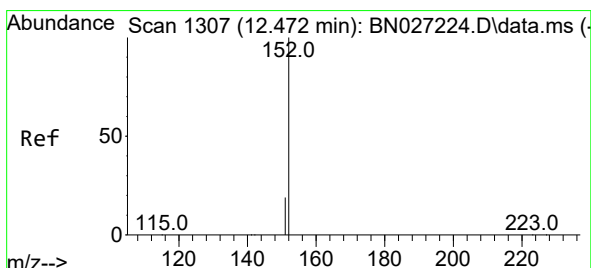
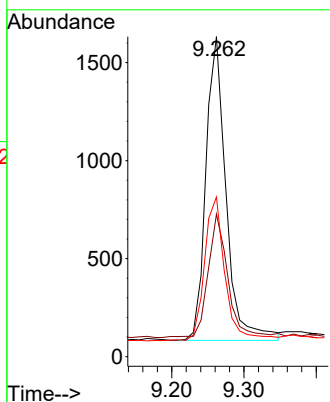
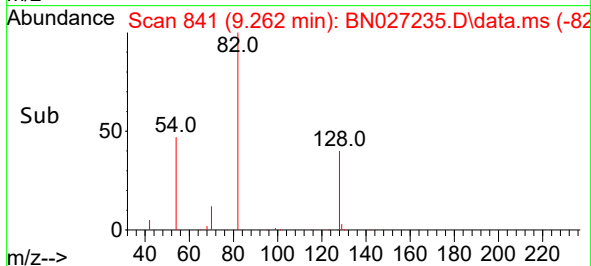
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



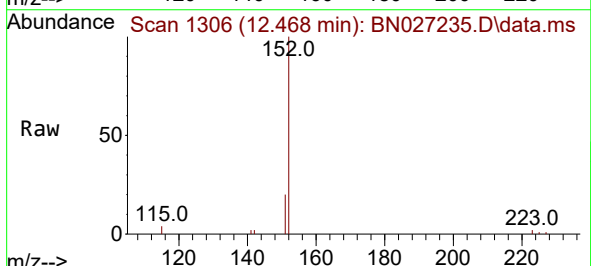
Tgt Ion: 82 Resp: 3012
Ion Ratio Lower Upper
82 100
128 44.5 33.4 50.0
54 49.9 37.7 56.5

Manual Integrations
APPROVED

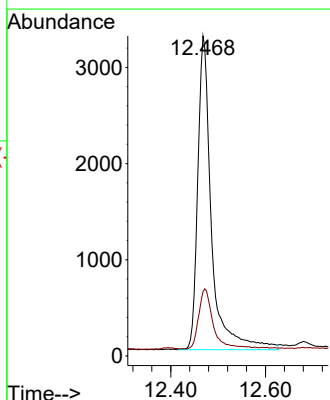
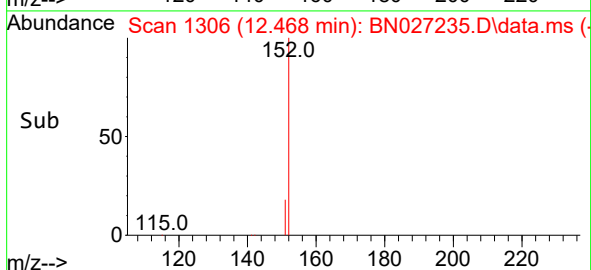
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

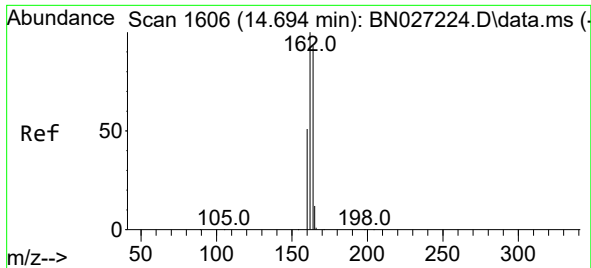


#11
2-Methylnaphthalene-d10
Concen: 0.457 ng
RT: 12.468 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11



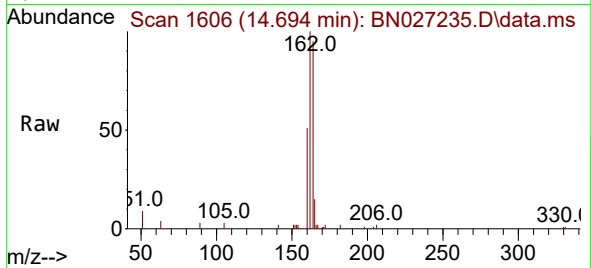
Tgt Ion:152 Resp: 6588
Ion Ratio Lower Upper
152 100
151 20.2 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

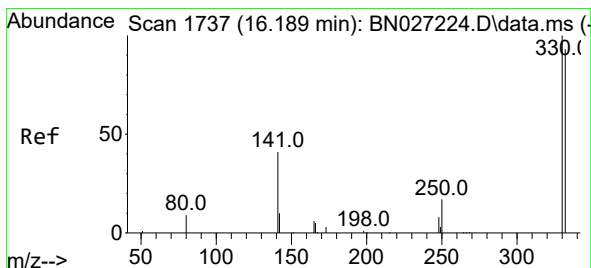
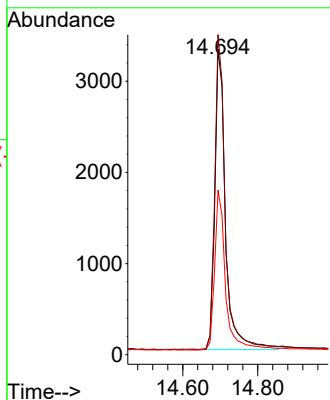
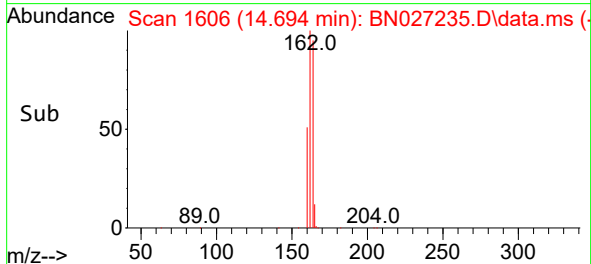
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



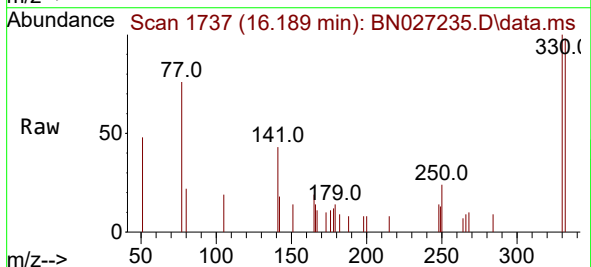
Tgt Ion:164 Resp: 651
Ion Ratio Lower Upper
164 100
162 104.8 85.8 128.8
160 53.9 44.2 66.2

Manual Integrations
APPROVED

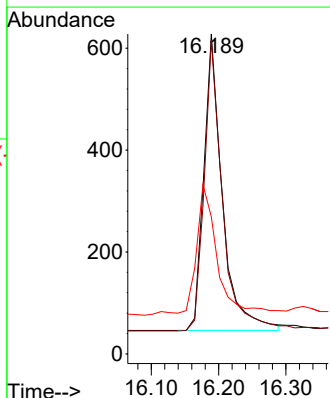
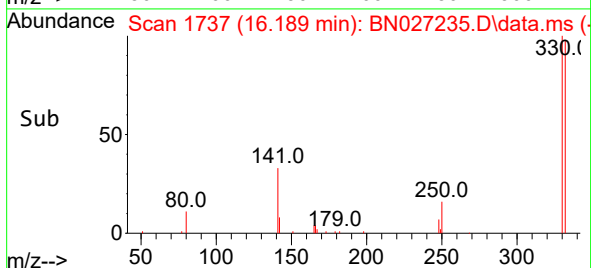
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

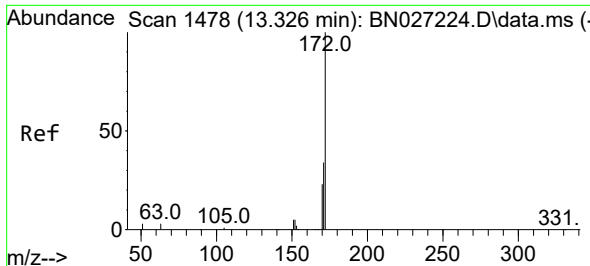


#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 16.189 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11



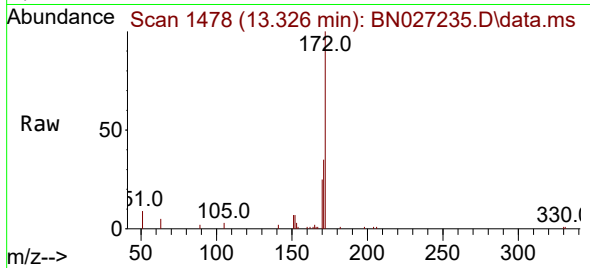
Tgt Ion:330 Resp: 1116
Ion Ratio Lower Upper
330 100
332 96.3 75.2 112.8
141 45.8 36.2 54.4





#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

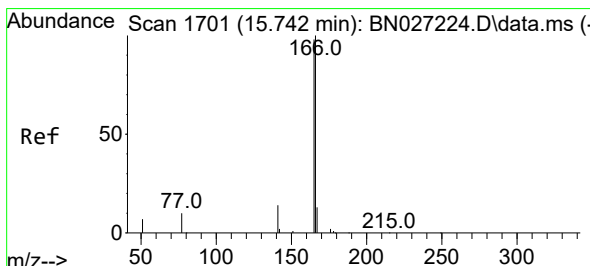
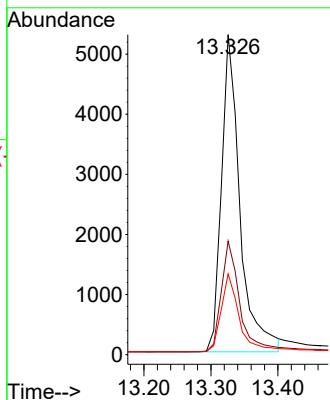
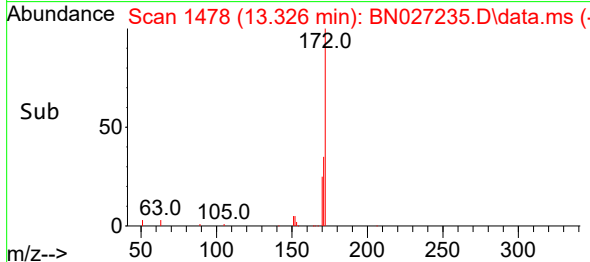
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



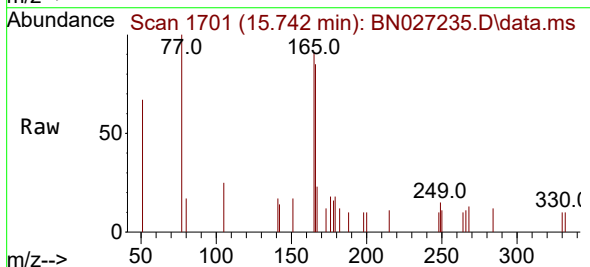
Tgt Ion:172 Resp: 10124
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 25.2 19.3 28.9

Manual Integrations
APPROVED

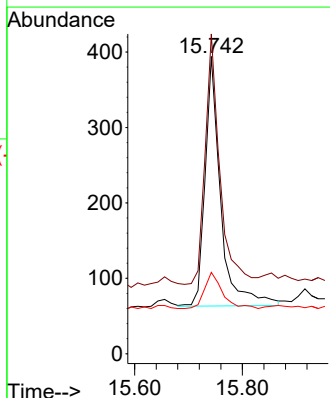
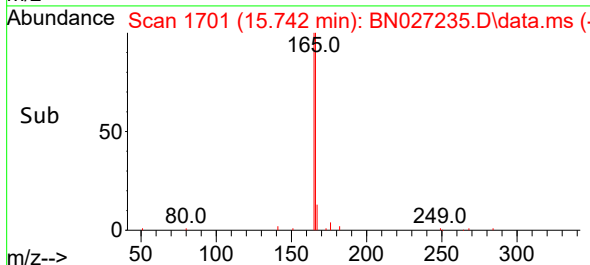
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

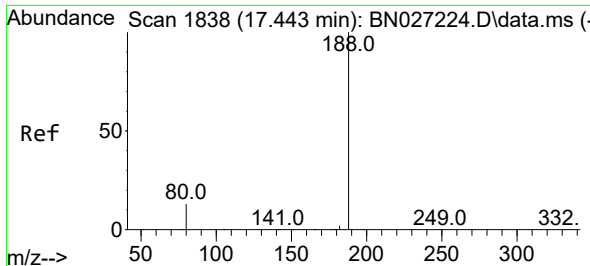


#18
Fluorene
Concen: 0.025 ng
RT: 15.742 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11



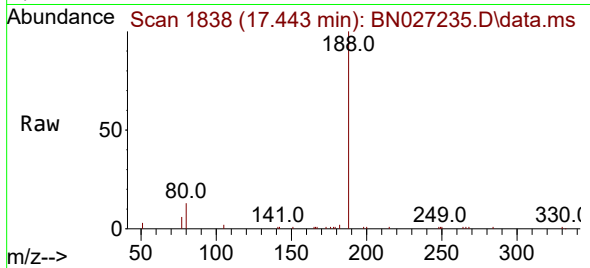
Tgt Ion:166 Resp: 662
Ion Ratio Lower Upper
166 100
165 94.1 79.0 118.4
167 16.5 10.8 16.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.443 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

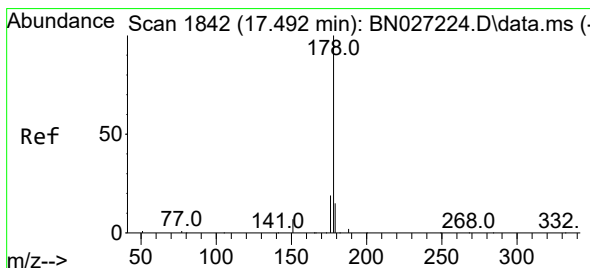
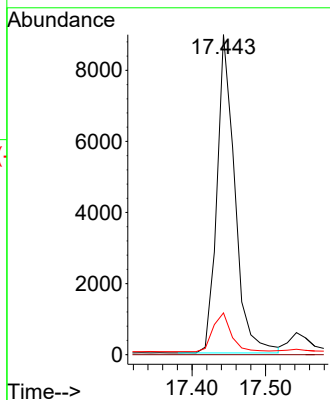
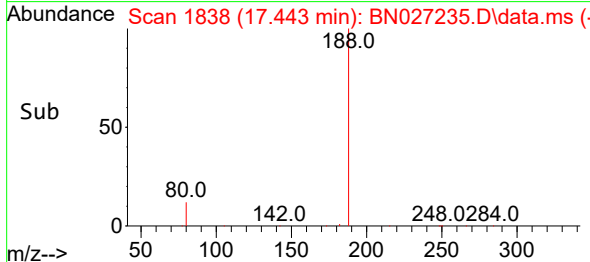
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion:188 Resp: 15140
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 11.0 16.6

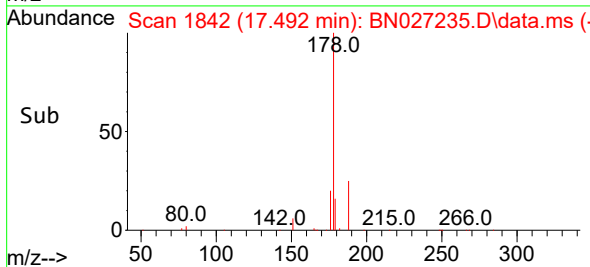
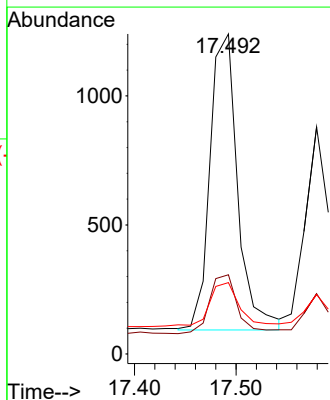
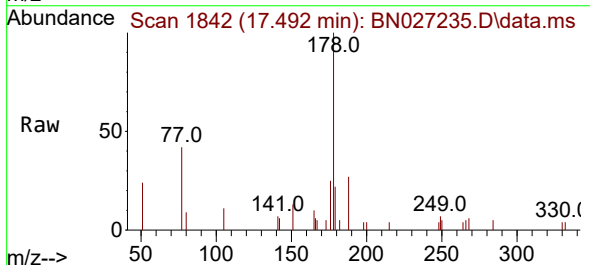
Manual Integrations
APPROVED

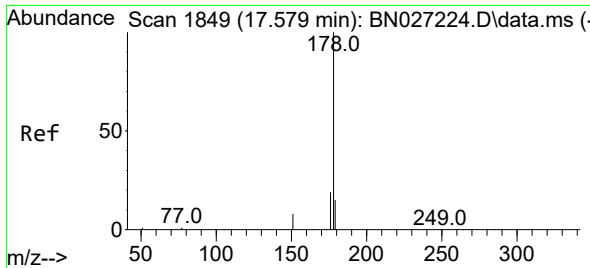
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#25
Phenanthrene
Concen: 0.049 ng m
RT: 17.492 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

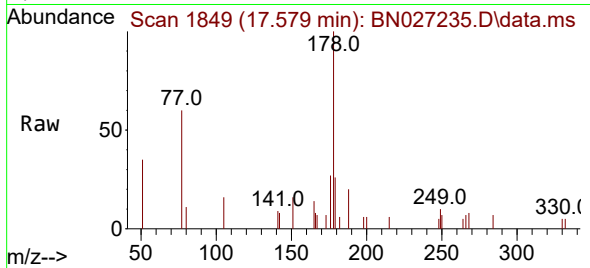
Tgt Ion:178 Resp: 2175
Ion Ratio Lower Upper
178 100
176 14.0 15.6 23.4#
179 10.5 12.3 18.5#





#26
 Anthracene
 Concen: 0.038 ng
 RT: 17.579 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN027235.D
 Acq: 29 Aug 2023 11:11

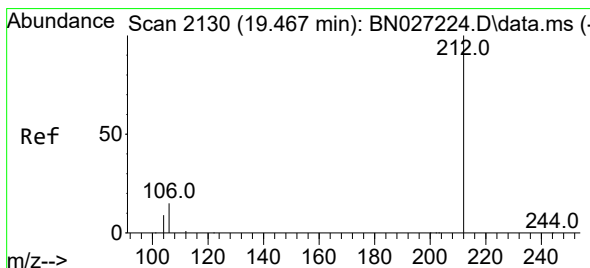
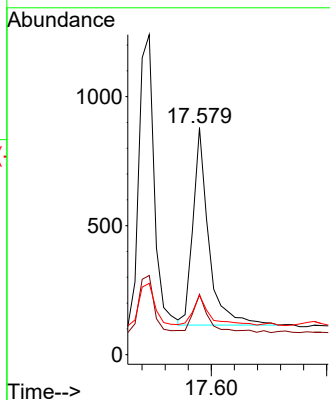
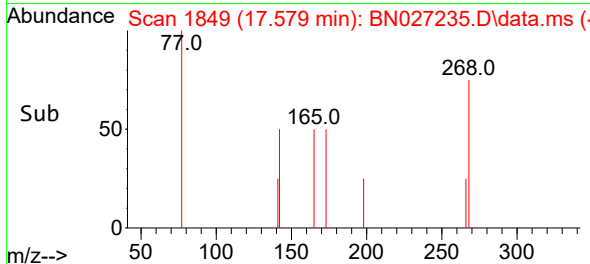
Instrument :
 BNA_N
 ClientSampleId :
 RE123D2-20230819



Tgt Ion:178 Resp: 1450
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.9 22.3
 179 15.5 12.0 18.0

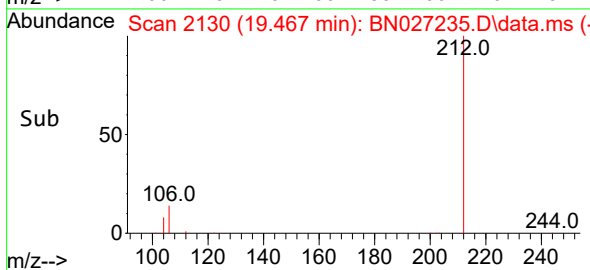
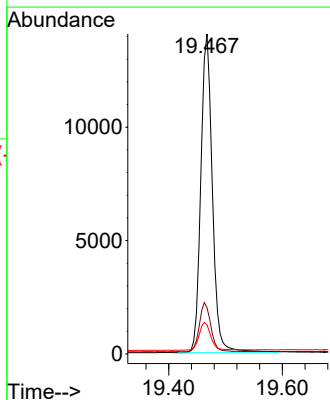
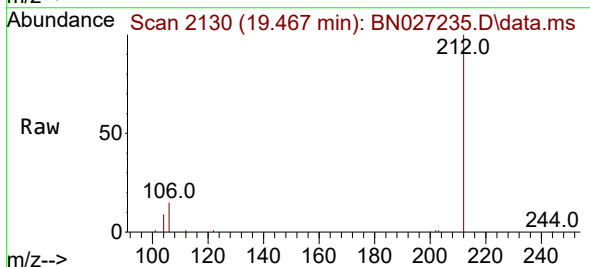
Manual Integrations
 APPROVED

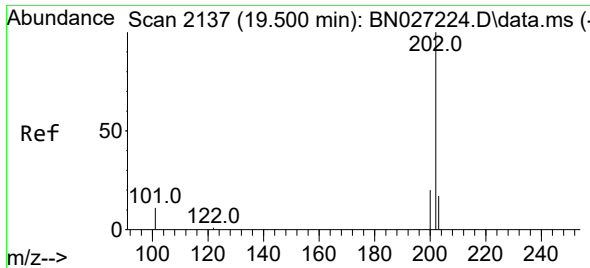
Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023



#27
 Fluoranthene-d10
 Concen: 0.529 ng
 RT: 19.467 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BN027235.D
 Acq: 29 Aug 2023 11:11

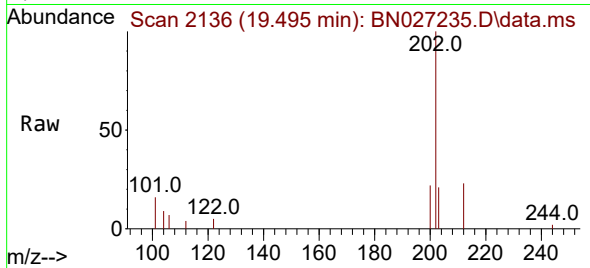
Tgt Ion:212 Resp: 19906
 Ion Ratio Lower Upper
 212 100
 106 15.3 12.1 18.1
 104 9.0 6.9 10.3





#28
Fluoranthene
Concen: 0.057 ng
RT: 19.495 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

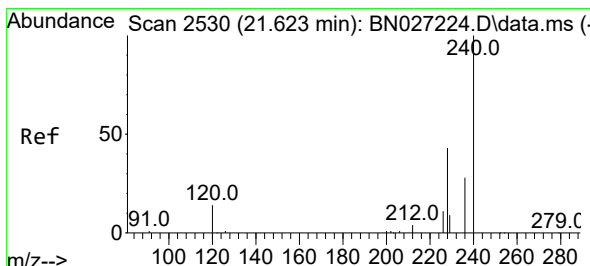
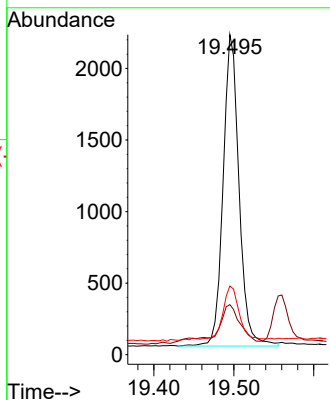
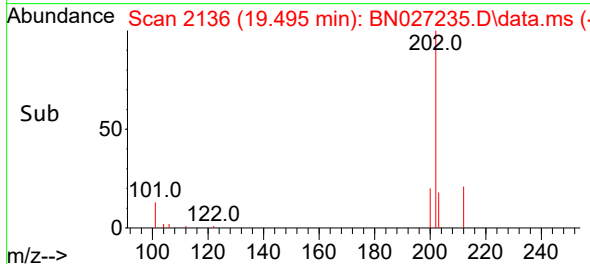
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion:202 Resp: 3000
Ion Ratio Lower Upper
202 100
101 15.2 9.6 14.4
203 17.2 13.6 20.4

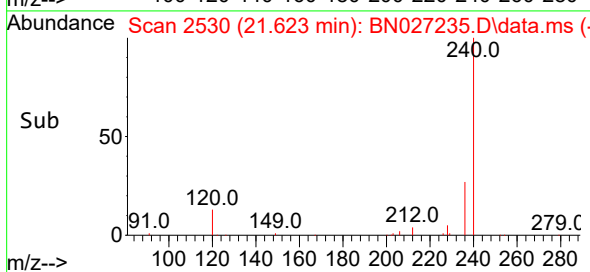
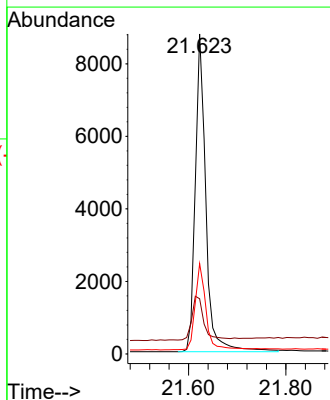
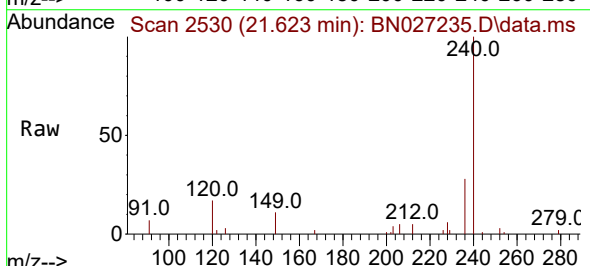
Manual Integrations
APPROVED

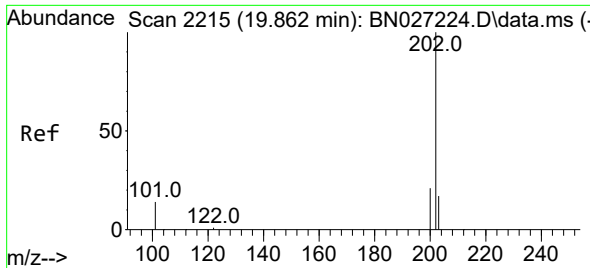
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.623 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

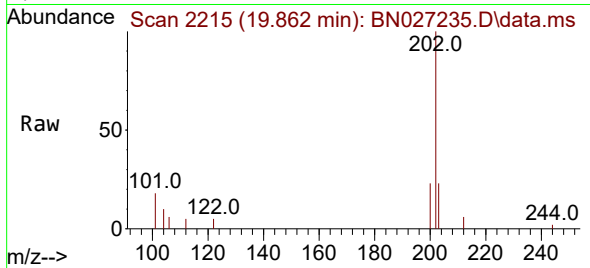
Tgt Ion:240 Resp: 13170
Ion Ratio Lower Upper
240 100
120 17.2 14.2 21.4
236 28.2 22.9 34.3





#30
Pyrene
Concen: 0.057 ng
RT: 19.862 min Scan# 212
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

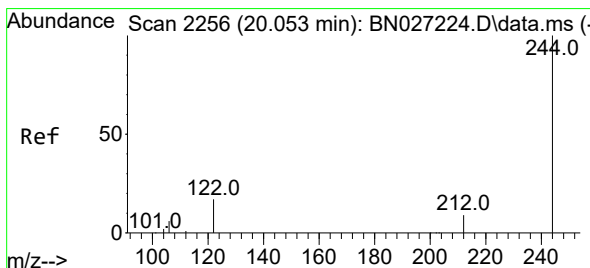
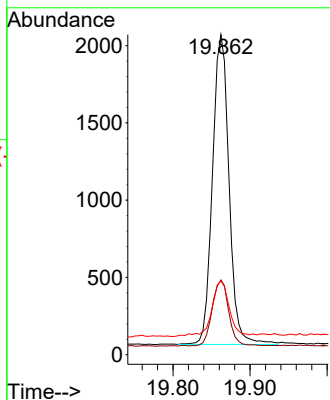
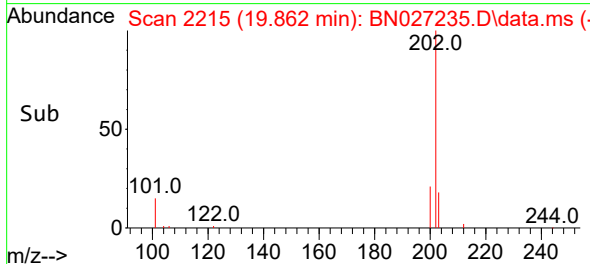
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion:202 Resp: 300
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 18.8 14.2 21.4

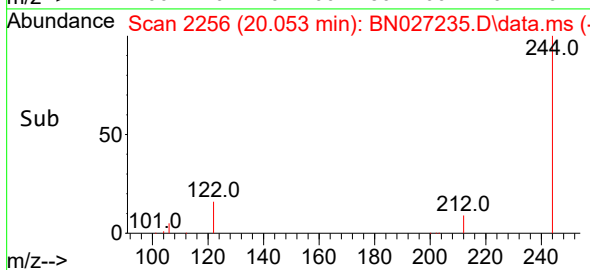
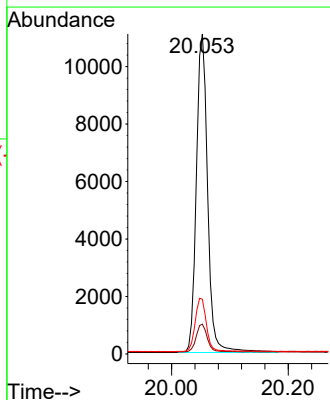
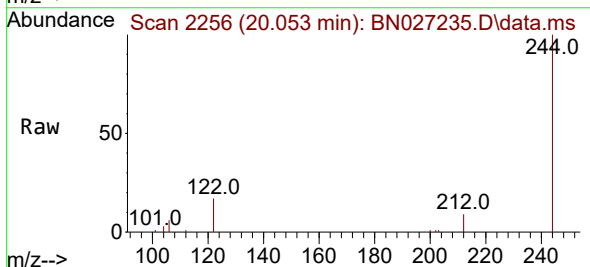
Manual Integrations
APPROVED

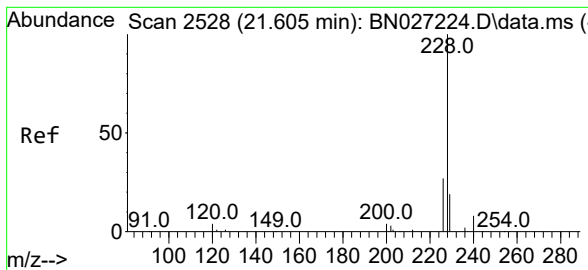
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#31
Terphenyl-d14
Concen: 0.565 ng
RT: 20.053 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:244 Resp: 14946
Ion Ratio Lower Upper
244 100
212 9.3 7.5 11.3
122 17.1 14.0 21.0





#32

Benzo(a)anthracene

Concen: 0.047 ng

RT: 21.605 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819

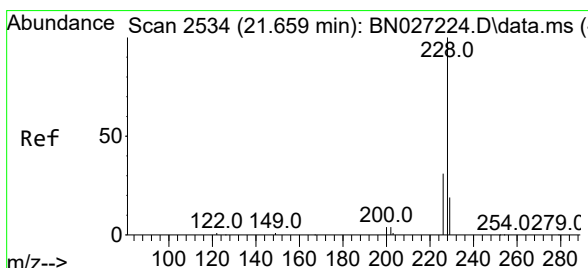
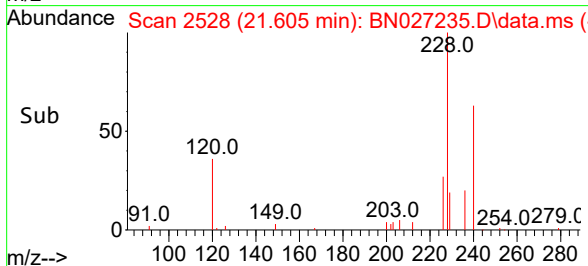
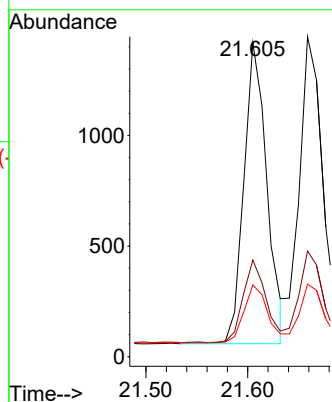
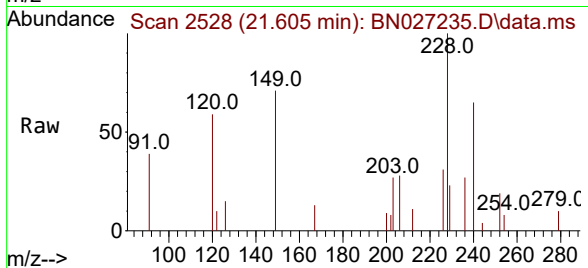
Tgt Ion:	228	Resp:	2134
Ion Ratio	Lower	Upper	
228	100		
226	30.8	21.9	32.9
229	22.8	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#33

Chrysene

Concen: 0.046 ng

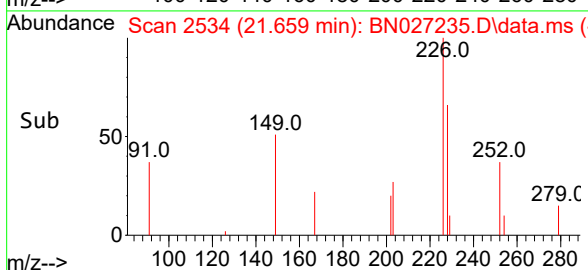
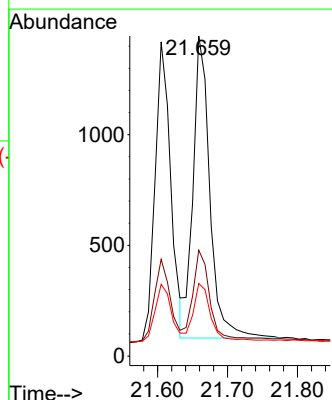
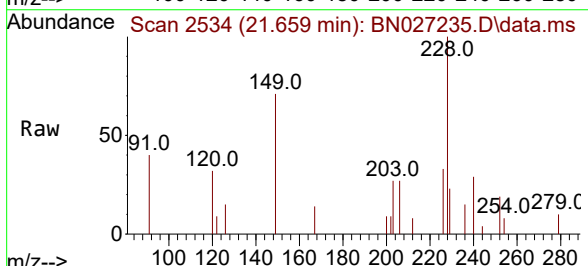
RT: 21.659 min Scan# 2534

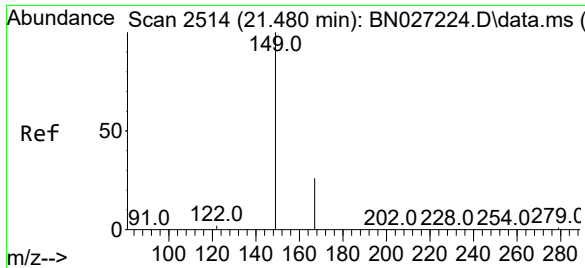
Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

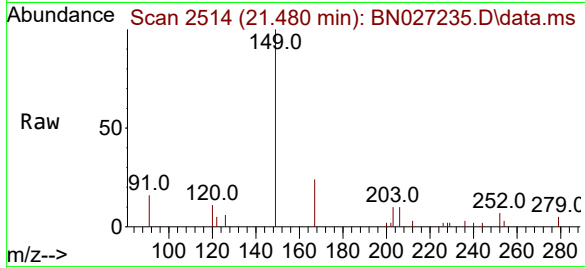
Tgt Ion:	228	Resp:	2294
Ion Ratio	Lower	Upper	
228	100		
226	33.1	24.3	36.5
229	22.7	15.4	23.2





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.136 ng
RT: 21.480 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

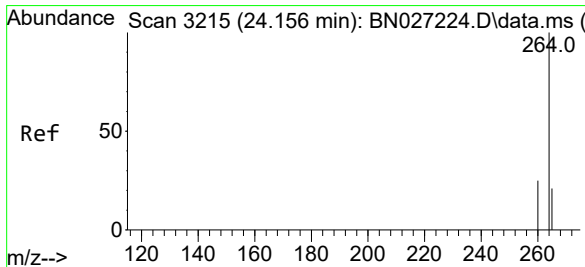
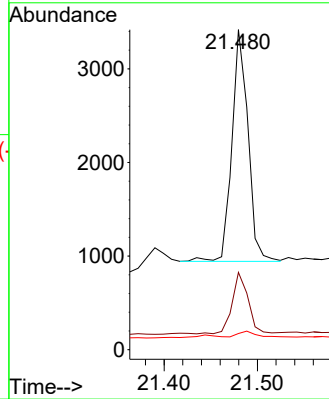
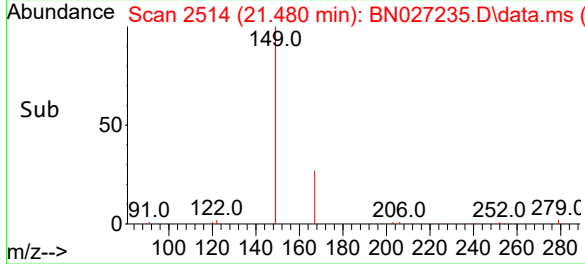
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion:149 Resp: 295
Ion Ratio Lower Upper
149 100
167 26.4 22.1 33.1
279 2.9 2.7 4.1

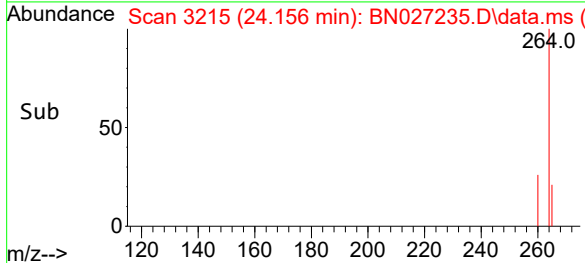
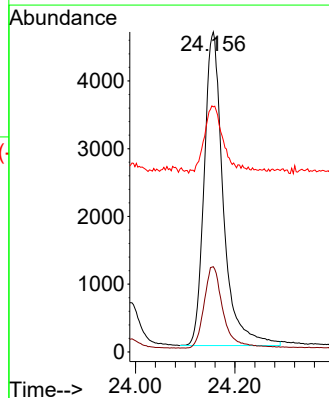
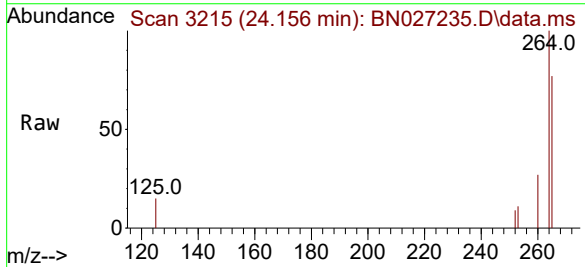
Manual Integrations
APPROVED

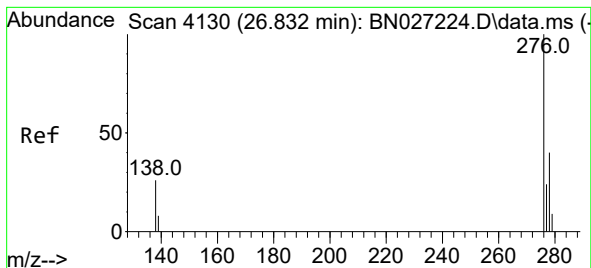
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.156 min Scan# 3215
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:264 Resp: 12336
Ion Ratio Lower Upper
264 100
260 26.6 20.7 31.1
265 76.6 53.3 79.9





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.037 ng

RT: 26.832 min Scan# 4130

Delta R.T. 0.000 min

Lab File: BN027235.D

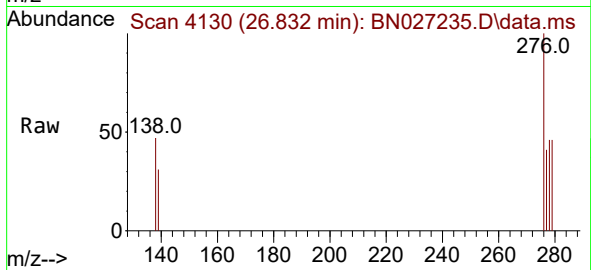
Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819



Tgt Ion:276 Resp: 1869

Ion Ratio Lower Upper

276 100

138 17.1 23.4 35.2

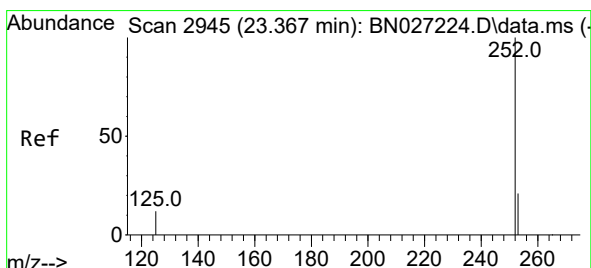
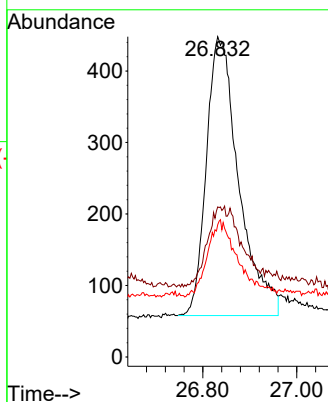
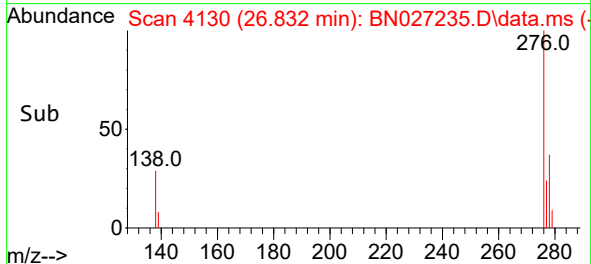
277 22.3 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#37

Benzo(b)fluoranthene

Concen: 0.051 ng

RT: 23.370 min Scan# 2946

Delta R.T. 0.003 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

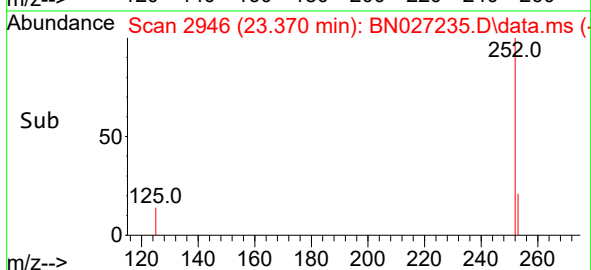
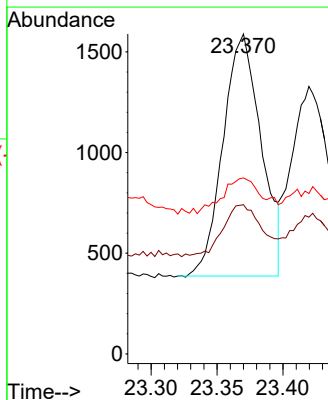
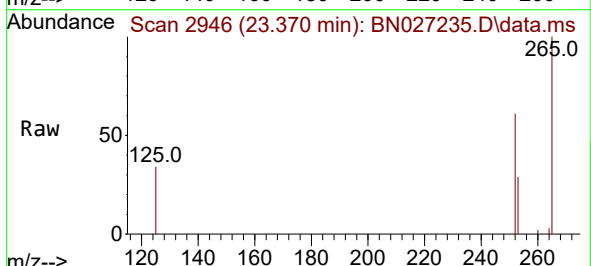
Tgt Ion:252 Resp: 2418

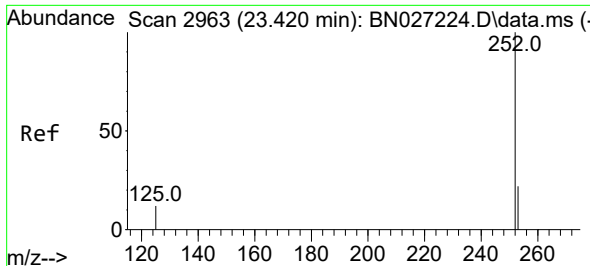
Ion Ratio Lower Upper

252 100

253 46.6 19.9 29.9#

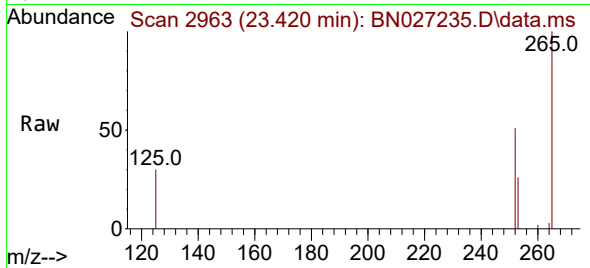
125 55.0 13.8 20.6#





#38
Benzo(k)fluoranthene
Concen: 0.037 ng
RT: 23.420 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

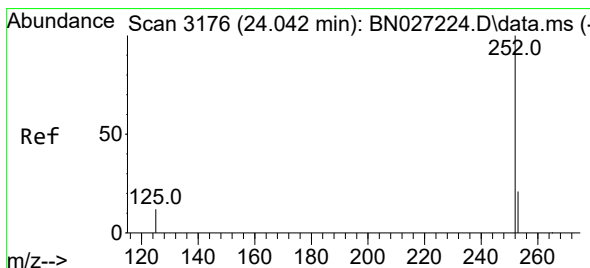
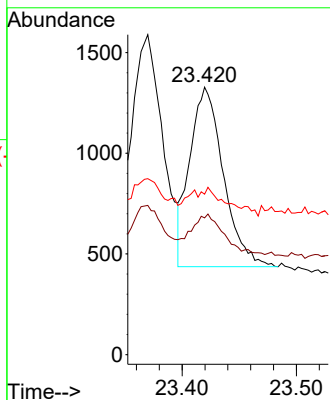
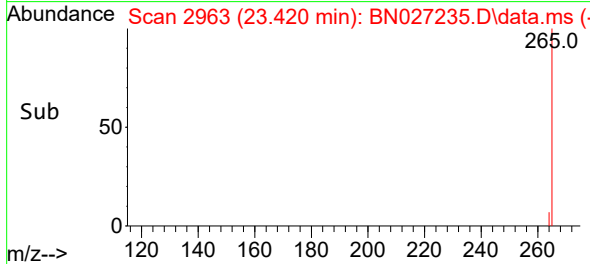
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



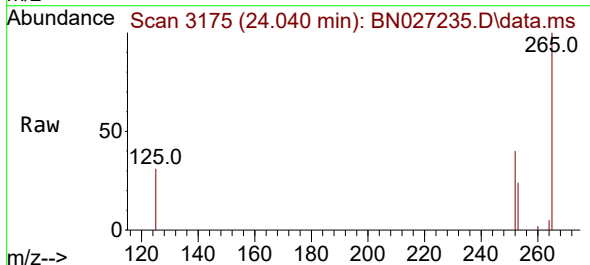
Tgt Ion:252 Resp: 1825
Ion Ratio Lower Upper
252 100
253 51.1 20.2 30.2#
125 60.0 14.1 21.1#

Manual Integrations
APPROVED

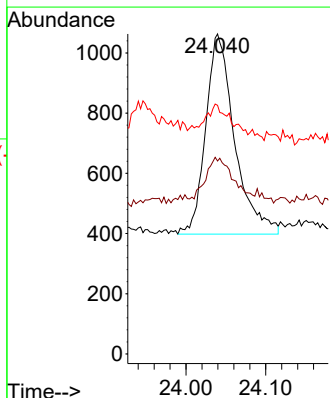
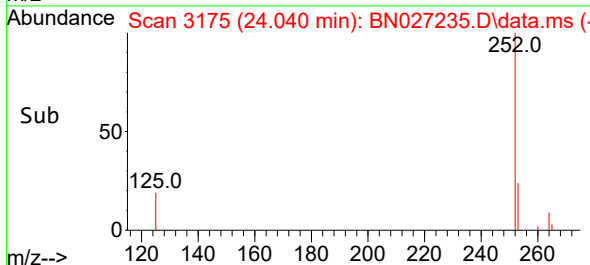
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

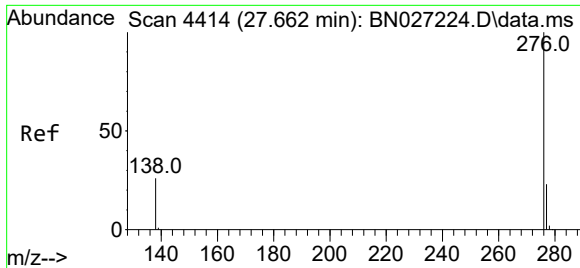


#39
Benzo(a)pyrene
Concen: 0.038 ng
RT: 24.040 min Scan# 3175
Delta R.T. -0.003 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11



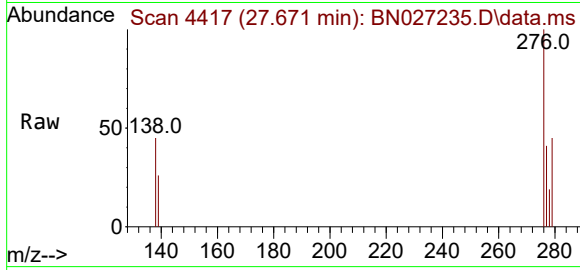
Tgt Ion:252 Resp: 1675
Ion Ratio Lower Upper
252 100
253 60.3 21.4 32.0#
125 77.7 16.5 24.7#





#41
Benzo(g,h,i)perylene
Concen: 0.034 ng
RT: 27.671 min Scan# 44
Delta R.T. 0.009 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819



Tgt Ion: 276 Resp: 1569
Ion Ratio Lower Upper
276 100
277 40.9 19.6 29.4
138 44.9 22.1 33.1

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/30/2023
Supervised By : mohammad ahmed 08/30/2023

