

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027346.D
 Acq On : 01 Sep 2023 14:53
 Operator : MA/JU
 Sample : 04126-18
 Misc :
 ALS Vial : 127 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE131D1-20230821

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023

Quant Time: Sep 02 01:53:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 09:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	5208	0.400	ng	0.00
7) Naphthalene-d8	10.885	136	15019	0.400	ng	0.00
13) Acenaphthene-d10	14.683	164	9674	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	21902	0.400	ng	# 0.01
29) Chrysene-d12	21.614	240	17443	0.400	ng	0.00
35) Perylene-d12	24.142	264	14638	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.581	112	2697	0.199	ng	0.00
5) Phenol-d6	7.199	99	1878	0.114	ng	0.00
8) Nitrobenzene-d5	9.251	82	5088	0.465	ng	0.00
11) 2-Methylnaphthalene-d10	12.457	152	10360	0.470	ng	0.00
14) 2,4,6-Tribromophenol	16.177	330	1815	0.507	ng	0.00
15) 2-Fluorobiphenyl	13.315	172	16073	0.437	ng	0.00
27) Fluoranthene-d10	19.458	212	29152	0.535	ng	0.00
31) Terphenyl-d14	20.043	244	21518	0.614	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.451	88	60621	9.535	ng	97
18) Fluorene	15.730	166	897	0.023	ng	97
25) Phenanthrene	17.480	178	2804	0.044	ng	97
26) Anthracene	17.567	178	1915	0.035	ng	98
28) Fluoranthene	19.486	202	4046	0.053	ng	98
30) Pyrene	19.853	202	3953	0.057	ng	99
32) Benzo(a)anthracene	21.596	228	2808	0.047	ng	93
33) Chrysene	21.650	228	2665	0.041	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.470	149	1361	0.047	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.817	276	1915	0.032	ng	# 70
37) Benzo(b)fluoranthene	23.358	252	2552	0.045	ng	# 40
38) Benzo(k)fluoranthene	23.411	252	2425m	0.042	ng	

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

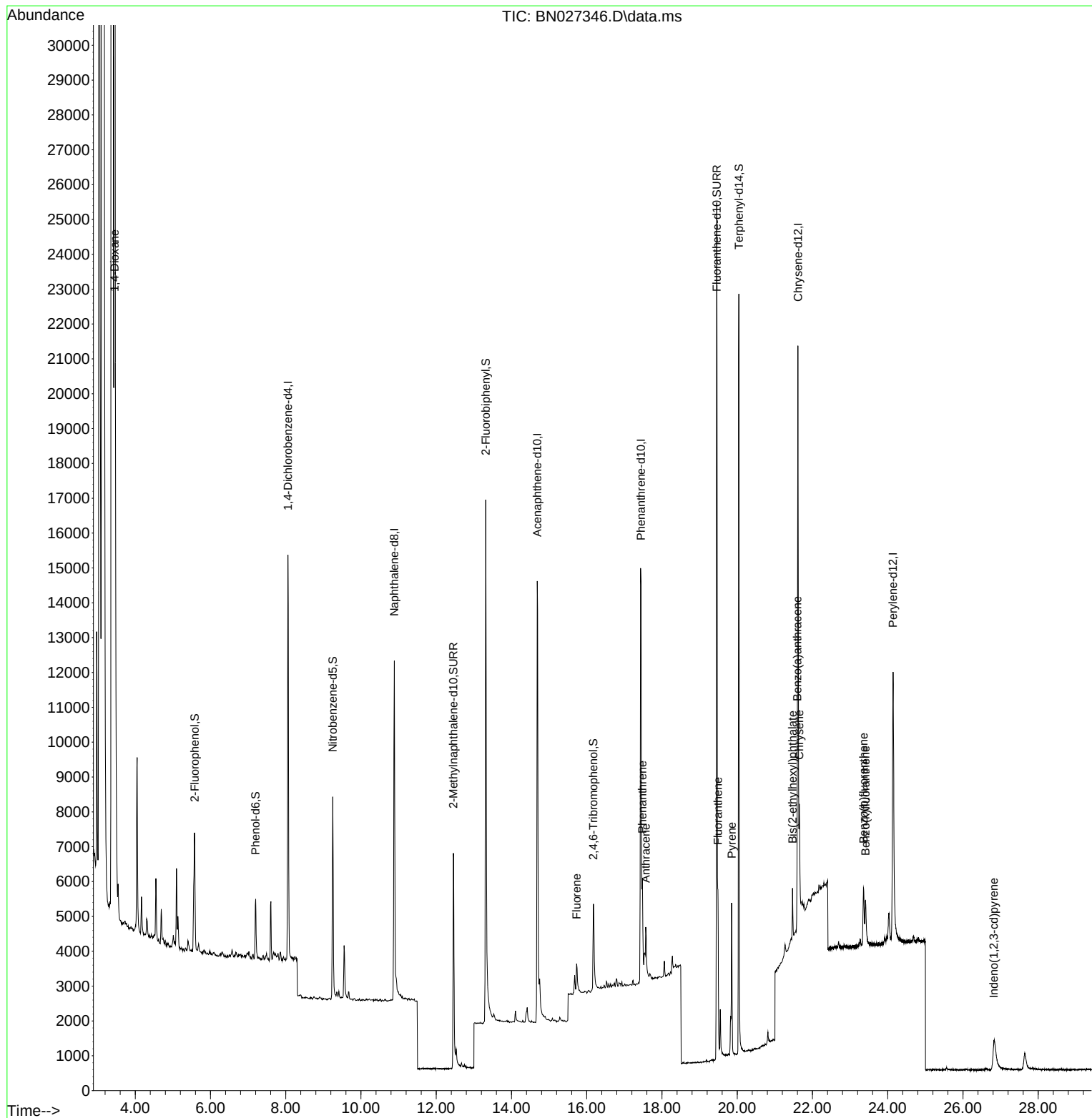
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Data File : BN027346.D
Acq On : 01 Sep 2023 14:53
Operator : MA/JU
Sample : 04126-18
Misc :
ALS Vial : 127 Sample Multiplier: 1

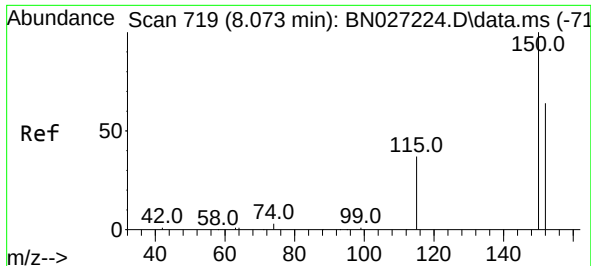
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

Quant Time: Sep 02 01:53:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 01 09:08:53 2023
Response via : Initial Calibration

Manual Integrations
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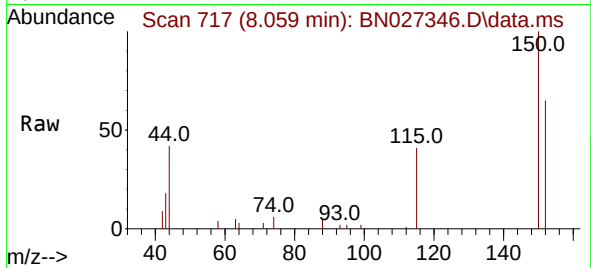
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.059 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53

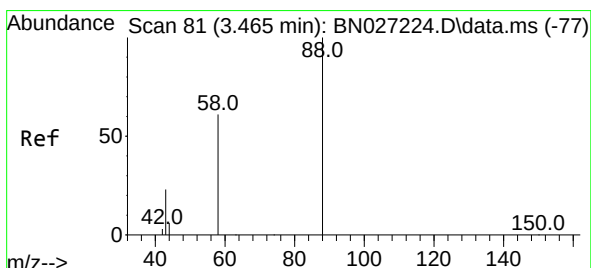
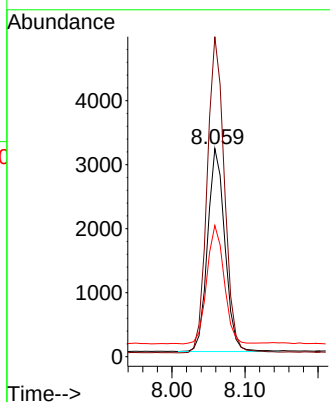
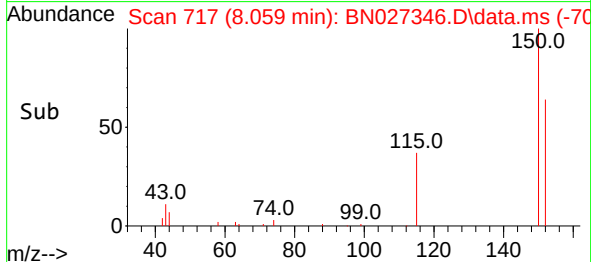
Instrument :
 BNA_N
 ClientSampleId :
 RE131D1-20230821



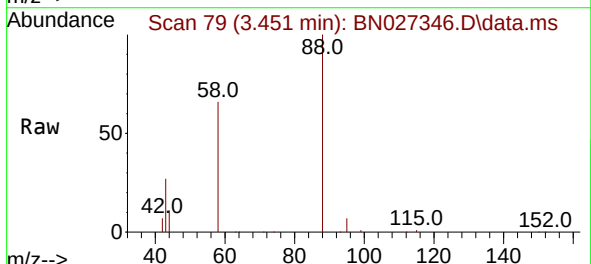
Tgt Ion: 152 Resp: 5208
 Ion Ratio Lower Upper
 152 100
 150 153.7 122.7 184.1
 115 63.0 48.6 73.0

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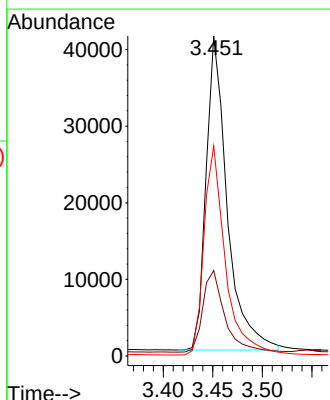
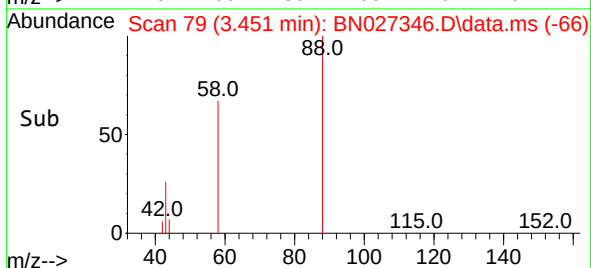
Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023

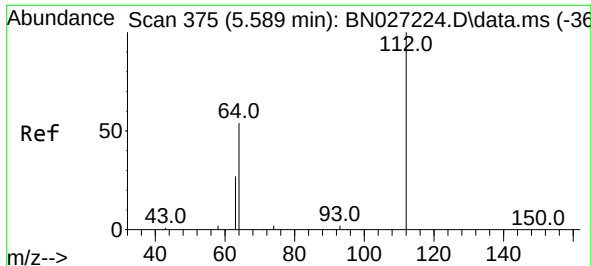


#2
 1,4-Dioxane
 Concen: 9.535 ng
 RT: 3.451 min Scan# 79
 Delta R.T. -0.007 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53



Tgt Ion: 88 Resp: 60621
 Ion Ratio Lower Upper
 88 100
 43 26.8 19.1 28.7
 58 67.2 52.2 78.2





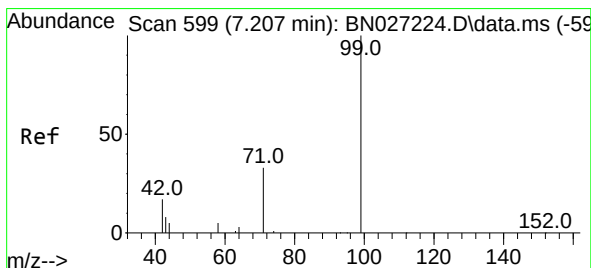
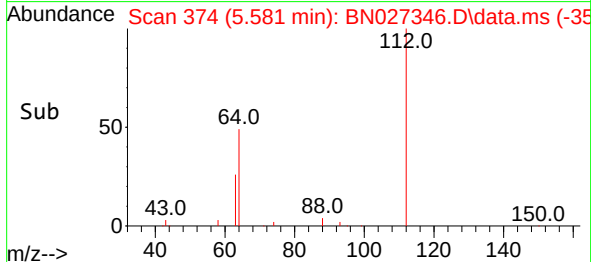
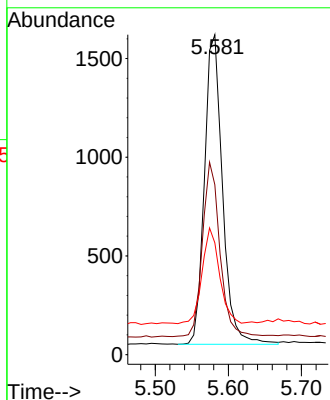
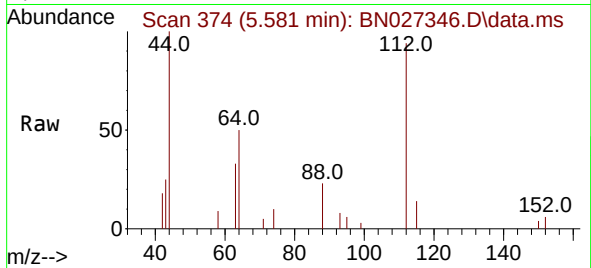
#4
2-Fluorophenol
Concen: 0.199 ng
RT: 5.581 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

Tgt Ion: 112 Resp: 269
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 29.7 23.1 34.7

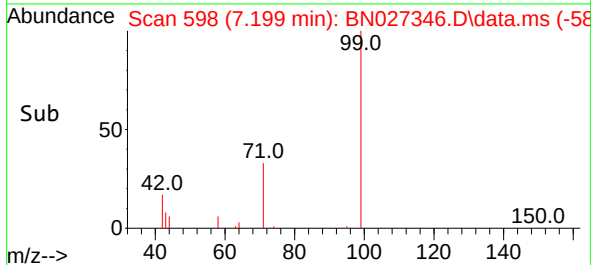
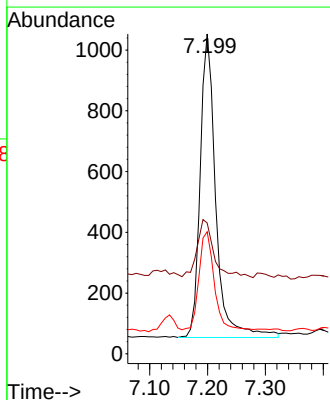
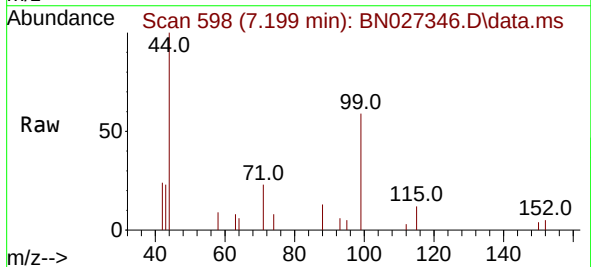
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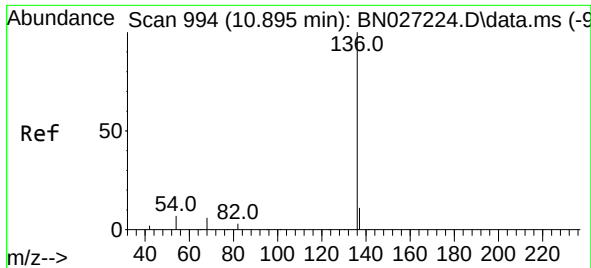
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#5
Phenol-d6
Concen: 0.114 ng
RT: 7.199 min Scan# 598
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

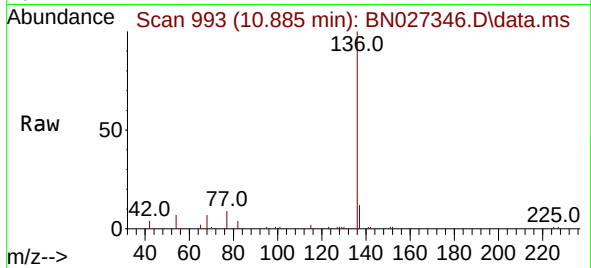
Tgt Ion: 99 Resp: 1878
Ion Ratio Lower Upper
99 100
42 20.4 14.5 21.7
71 31.2 25.8 38.6





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.885 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

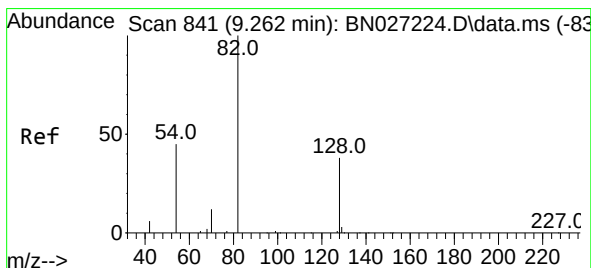
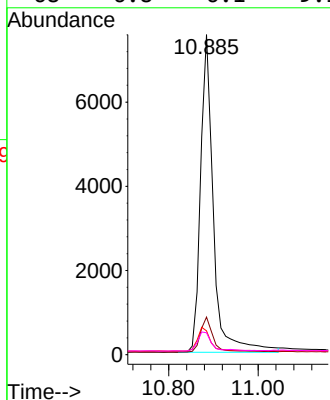
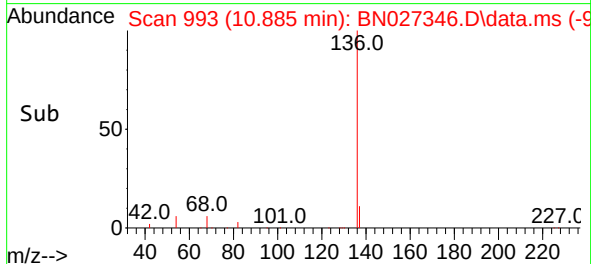
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



Tgt Ion:136 Resp: 15019
Ion Ratio Lower Upper
136 100
137 11.7 9.3 13.9
54 7.4 6.7 10.1
68 6.8 6.1 9.1

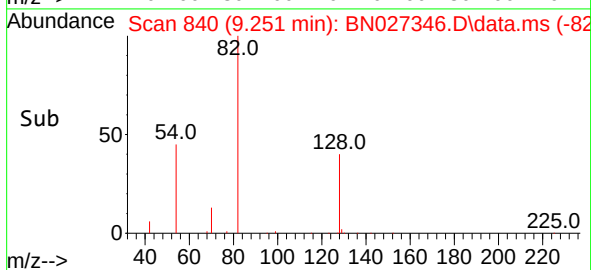
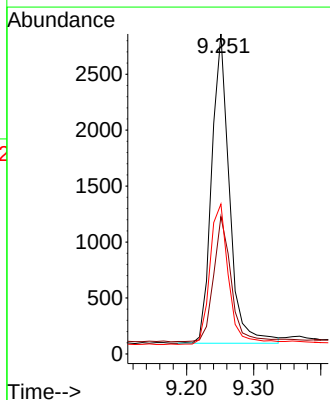
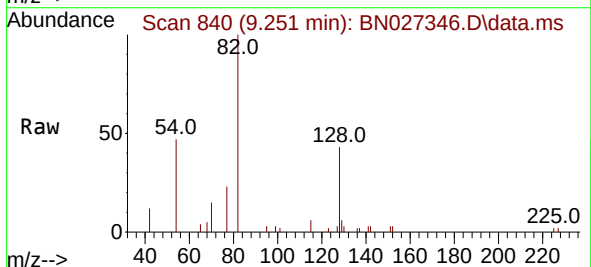
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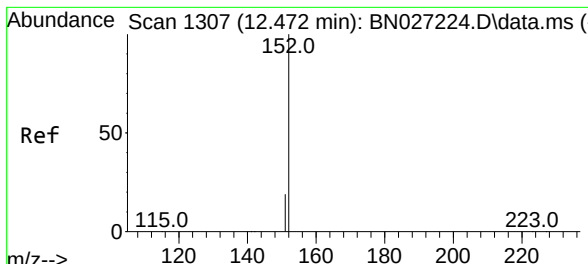
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#8
Nitrobenzene-d5
Concen: 0.465 ng
RT: 9.251 min Scan# 840
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

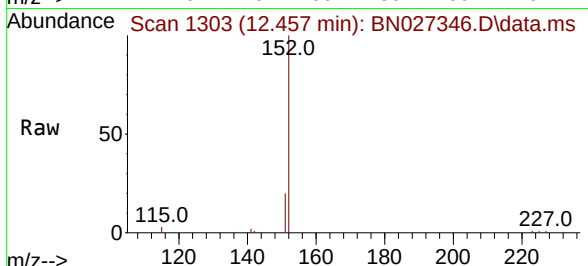
Tgt Ion: 82 Resp: 5088
Ion Ratio Lower Upper
82 100
128 42.9 33.4 50.0
54 46.9 37.7 56.5





#11
2-Methylnaphthalene-d10
Concen: 0.470 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

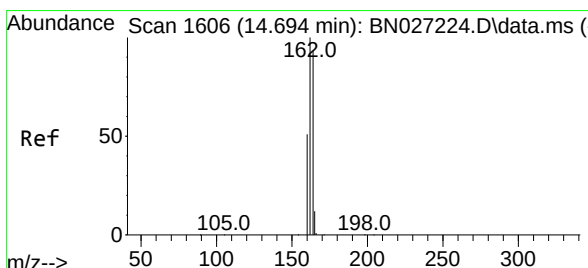
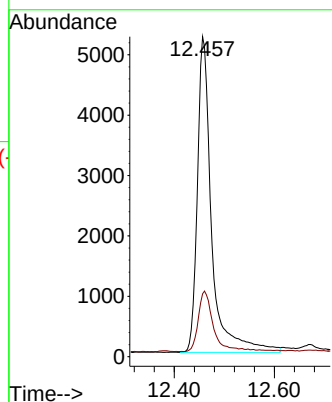
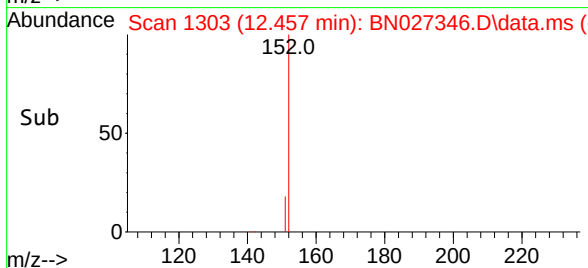
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



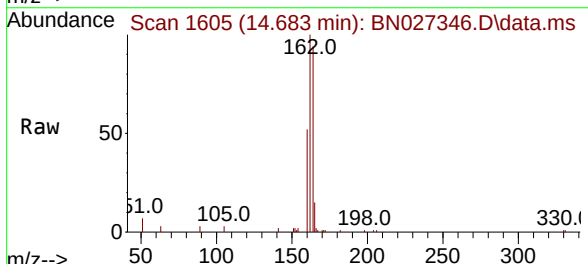
Tgt Ion:152 Resp: 10360
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0

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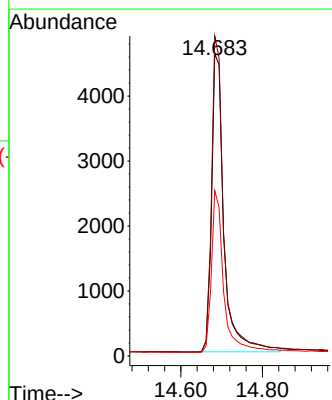
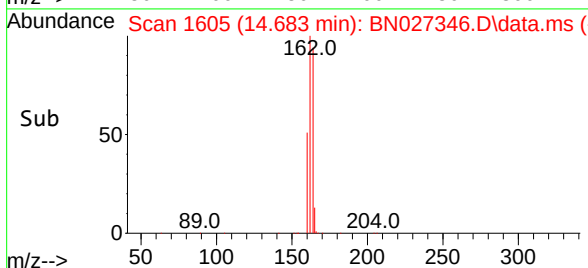
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

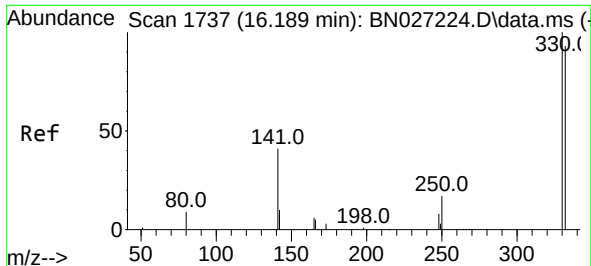


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.683 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53



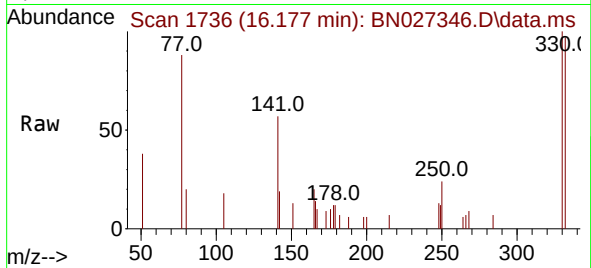
Tgt Ion:164 Resp: 9674
Ion Ratio Lower Upper
164 100
162 105.9 85.8 128.8
160 54.7 44.2 66.2





#14
2,4,6-Tribromophenol
Concen: 0.507 ng
RT: 16.177 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

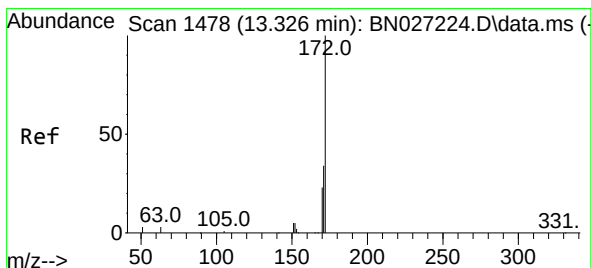
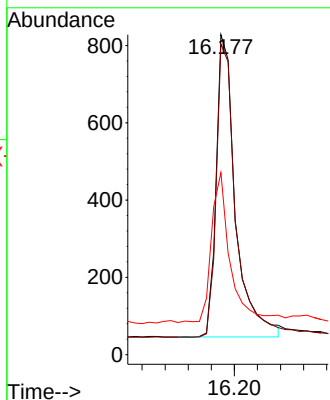
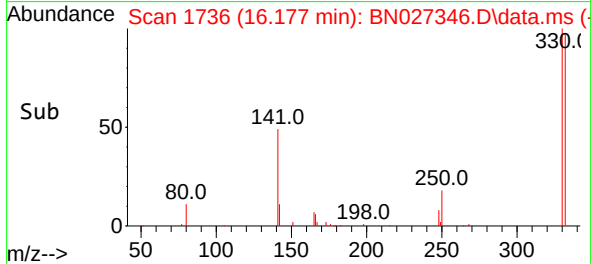
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



Tgt Ion:330 Resp: 181
Ion Ratio Lower Upper
330 100
332 97.9 75.2 112.8
141 47.9 36.2 54.4

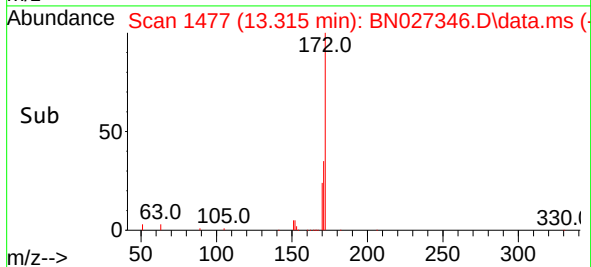
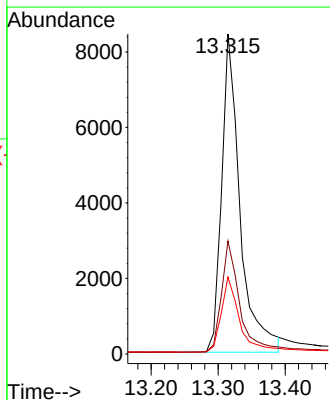
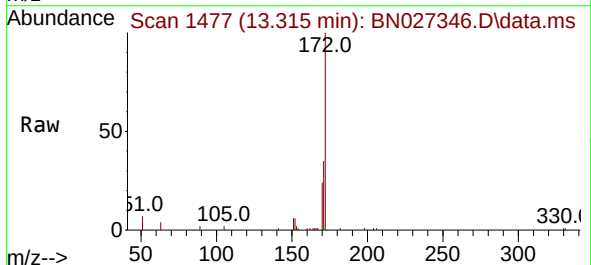
Manual Integrations
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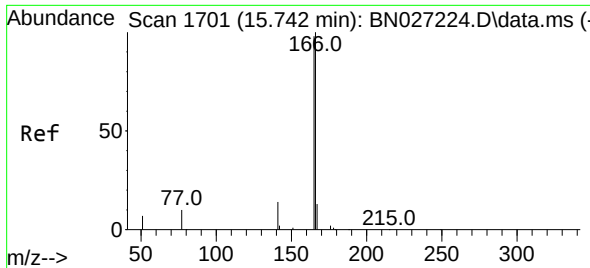
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.315 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:172 Resp: 16073
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 24.1 19.3 28.9





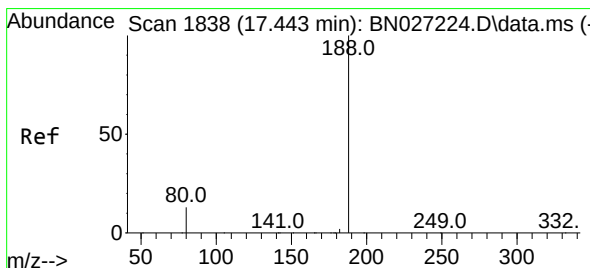
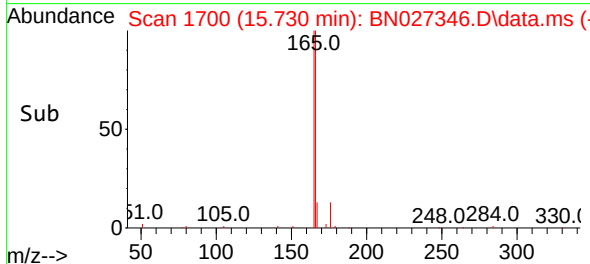
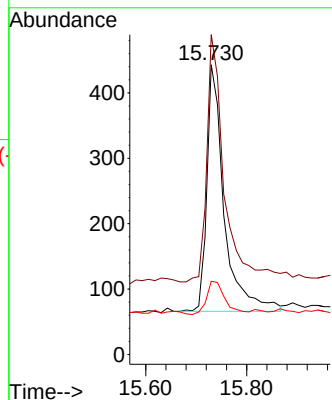
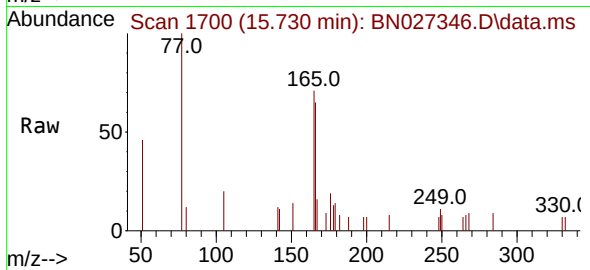
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Fluorene
Concen: 0.023 ng
RT: 15.730 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821

Tgt Ion:166 Resp: 89
Ion Ratio Lower Upper
166 100
165 101.3 79.0 118.4
167 14.7 10.8 16.2

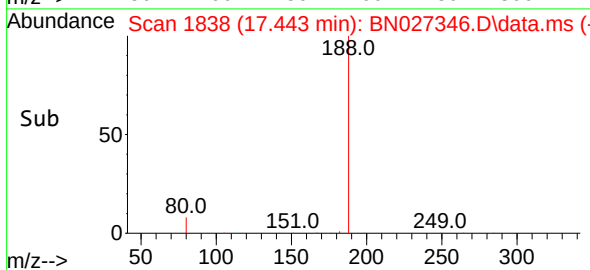
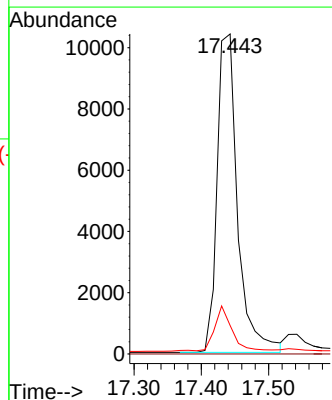
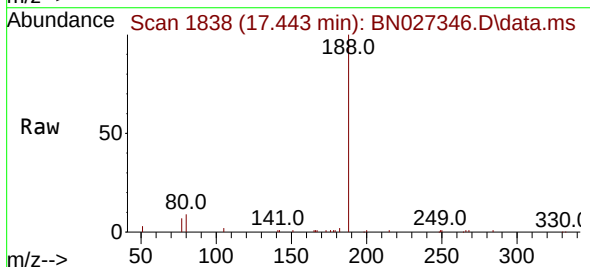
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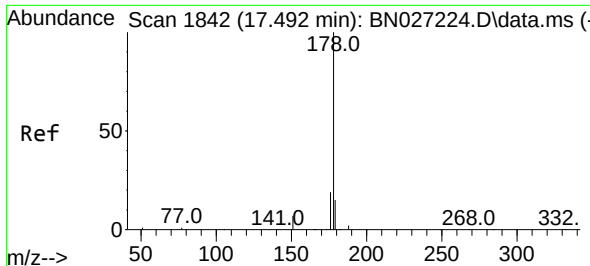
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.443 min Scan# 1838
Delta R.T. 0.012 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

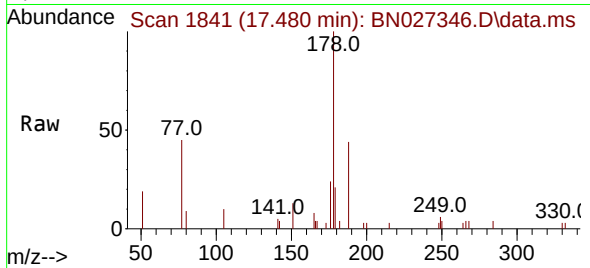
Tgt Ion:188 Resp: 21902
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 11.0 16.6#





#25
Phenanthrene
Concen: 0.044 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

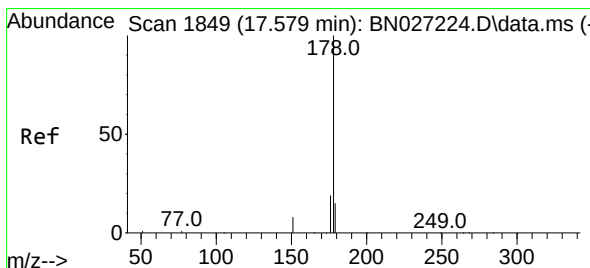
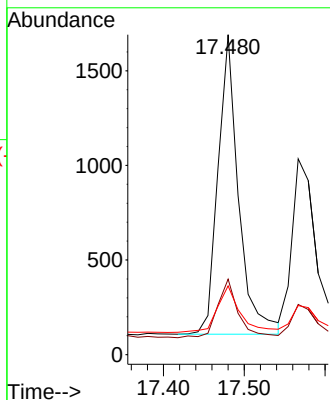
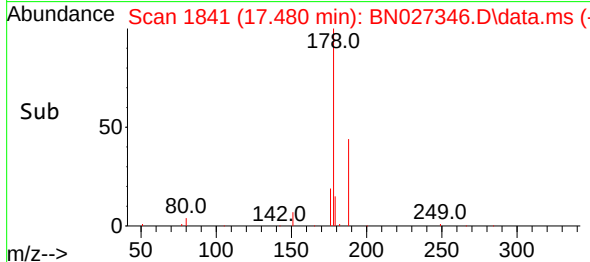
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



Tgt Ion:178 Resp: 2804
Ion Ratio Lower Upper
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176 20.0 15.6 23.4
179 17.4 12.3 18.5

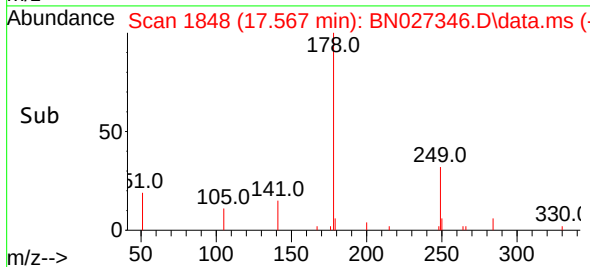
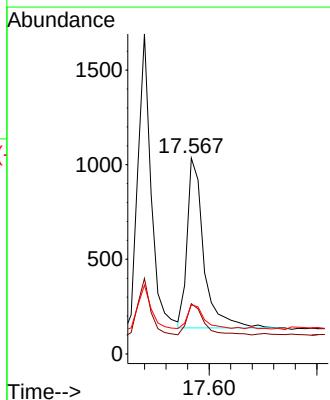
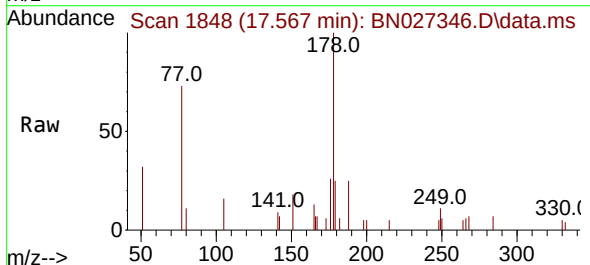
Manual Integrations
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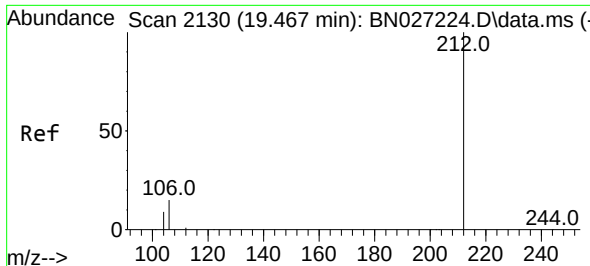
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#26
Anthracene
Concen: 0.035 ng
RT: 17.567 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

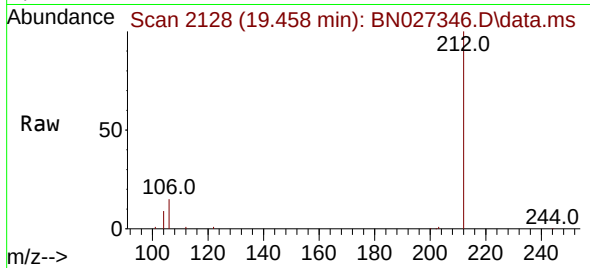
Tgt Ion:178 Resp: 1915
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 13.7 12.0 18.0





#27
Fluoranthene-d10
Concen: 0.535 ng
RT: 19.458 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

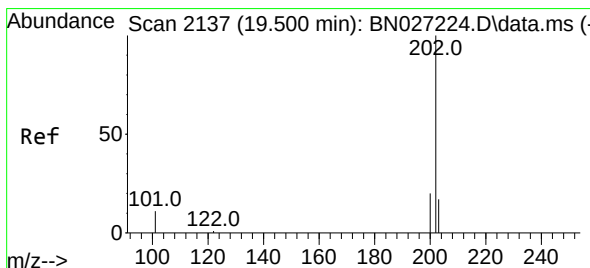
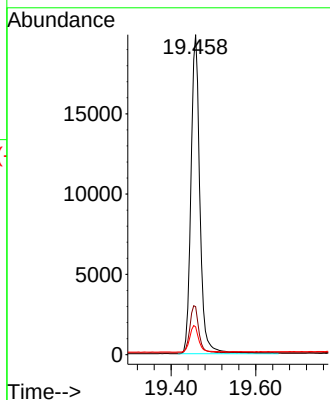
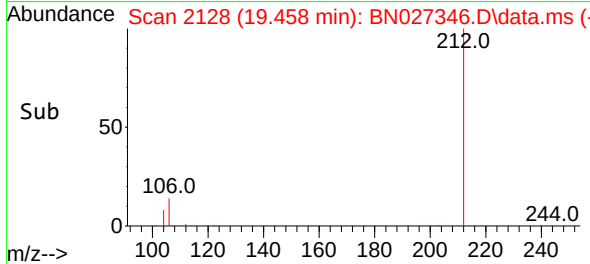
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



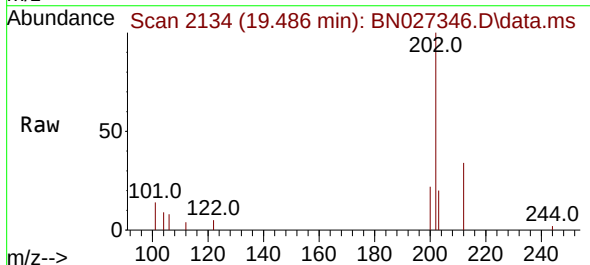
Tgt Ion:212 Resp: 2915
Ion Ratio Lower Upper
212 100
106 15.0 12.1 18.1
104 8.4 6.9 10.3

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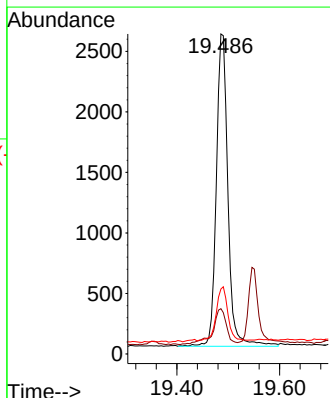
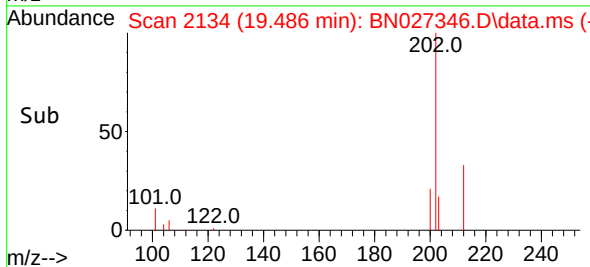
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

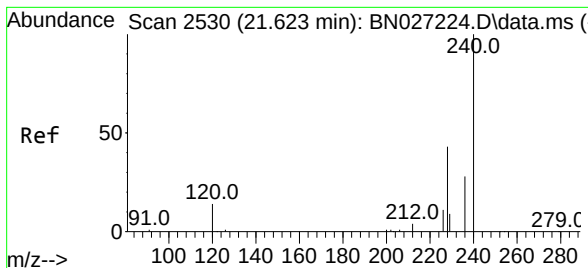


#28
Fluoranthene
Concen: 0.053 ng
RT: 19.486 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53



Tgt Ion:202 Resp: 4046
Ion Ratio Lower Upper
202 100
101 13.4 9.6 14.4
203 17.6 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.614 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BN027346.D

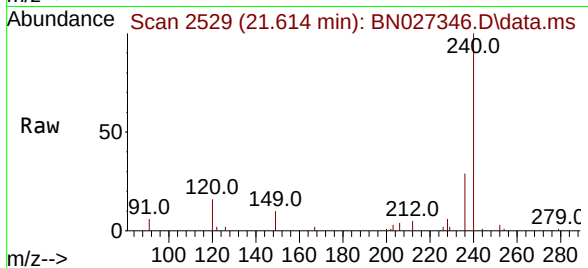
Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821



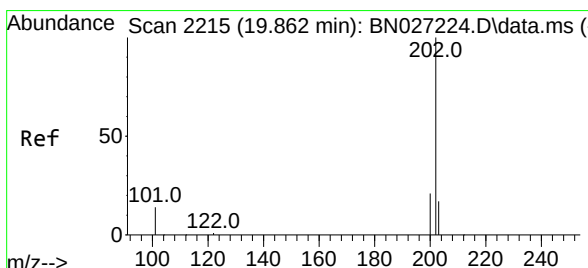
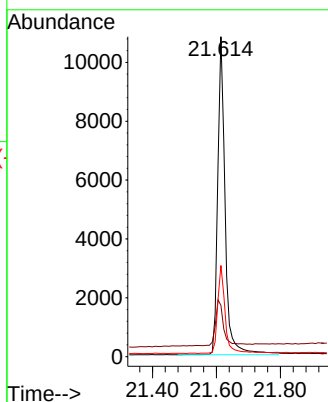
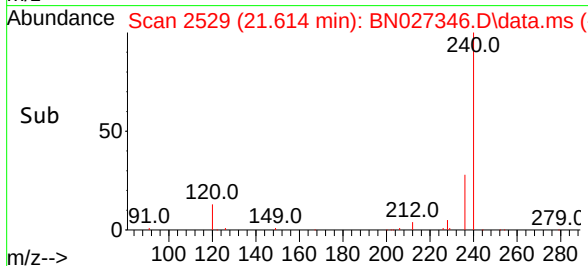
Tgt Ion:	240	Resp:	1744
Ion Ratio	Lower	Upper	
240	100		
120	16.1	14.2	21.4
236	28.5	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#30

Pyrene

Concen: 0.057 ng

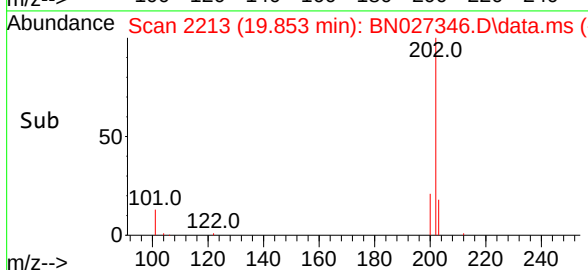
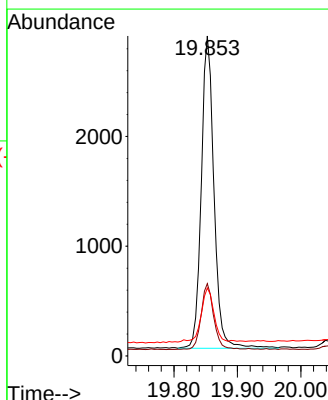
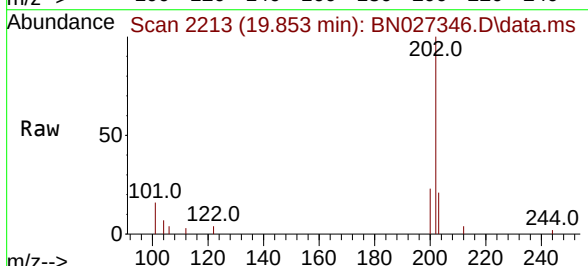
RT: 19.853 min Scan# 2213

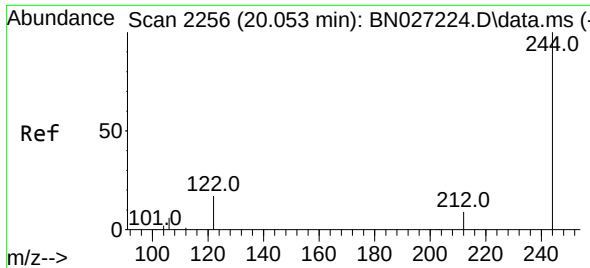
Delta R.T. 0.000 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

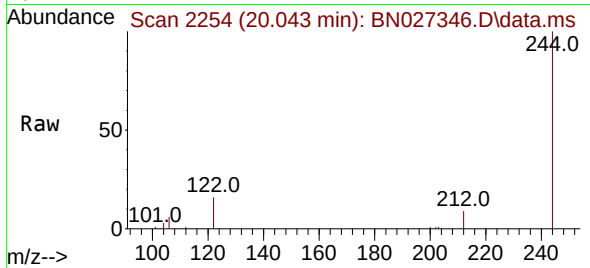
Tgt Ion:	202	Resp:	3953
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	25.0
203	19.0	14.2	21.4





#31
 Terphenyl-d14
 Concen: 0.614 ng
 RT: 20.043 min Scan# 21518
 Delta R.T. 0.000 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53

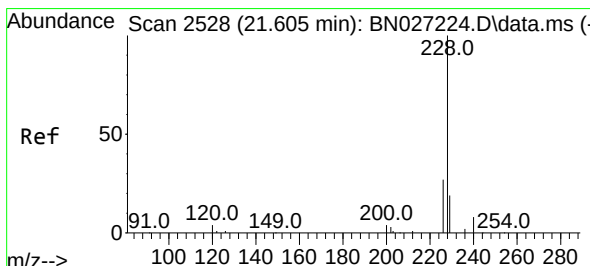
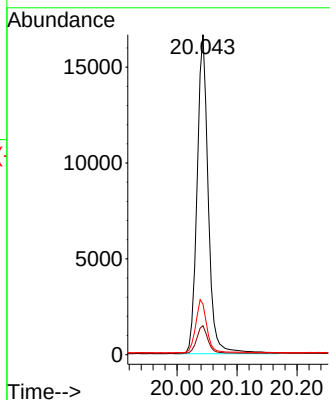
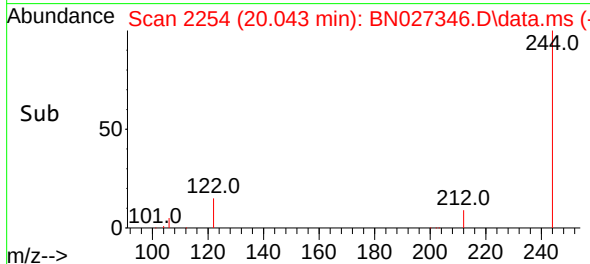
Instrument :
 BNA_N
 ClientSampleId :
 RE131D1-20230821



Tgt Ion:244 Resp: 21518
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.5 11.3
 122 15.8 14.0 21.0

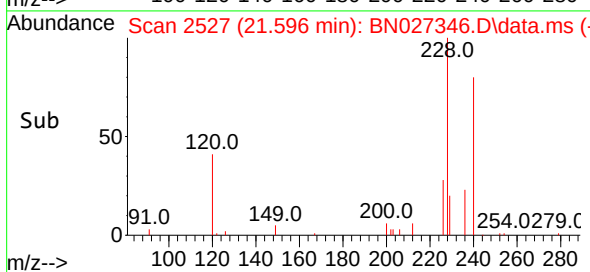
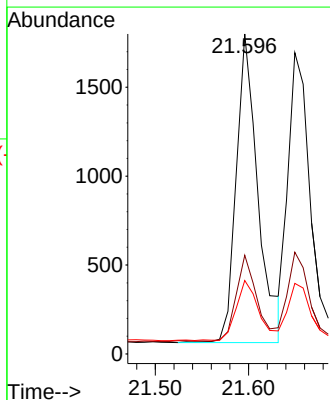
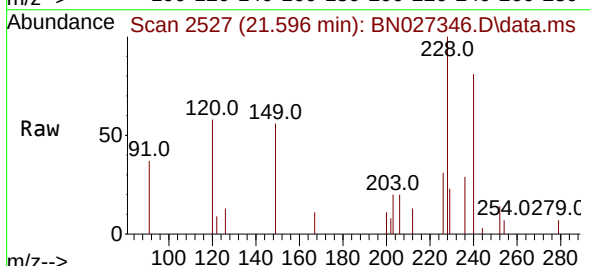
Manual Integrations
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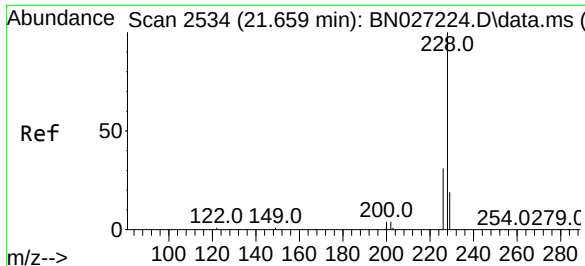
Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023



#32
 Benzo(a)anthracene
 Concen: 0.047 ng
 RT: 21.596 min Scan# 2527
 Delta R.T. 0.000 min
 Lab File: BN027346.D
 Acq: 01 Sep 2023 14:53

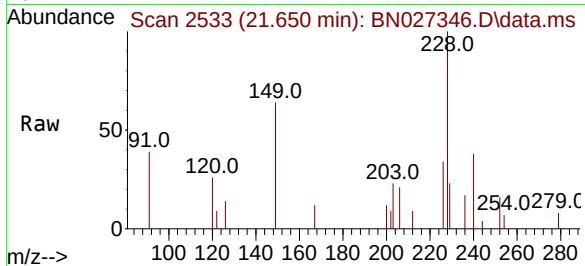
Tgt Ion:228 Resp: 2808
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.9 32.9
 229 22.9 15.7 23.5





#33
Chrysene
Concen: 0.041 ng
RT: 21.650 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

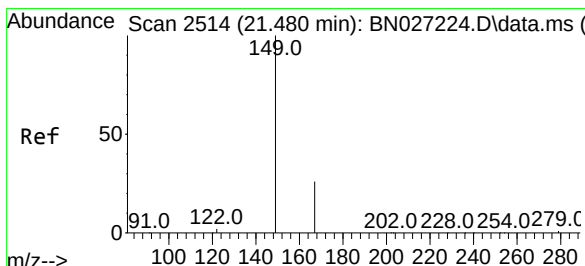
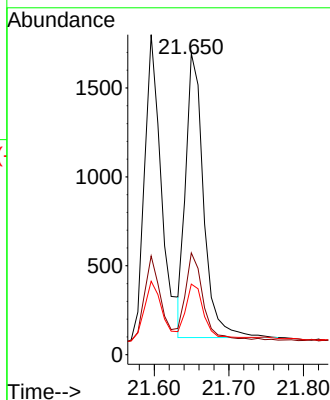
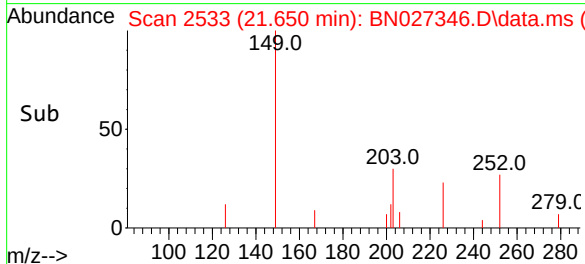
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



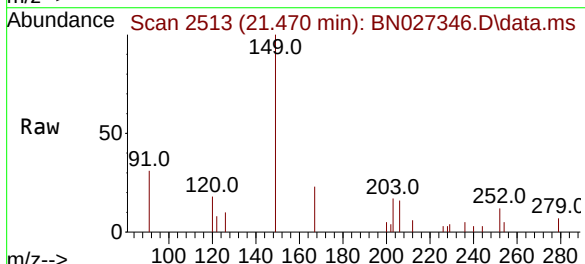
Tgt Ion:228 Resp: 266
Ion Ratio Lower Upper
228 100
226 33.7 24.3 36.5
229 23.4 15.4 23.2

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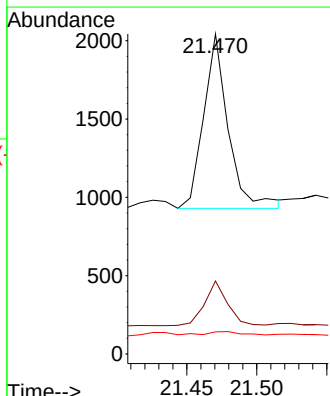
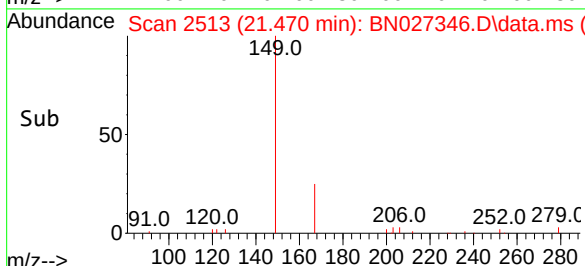
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

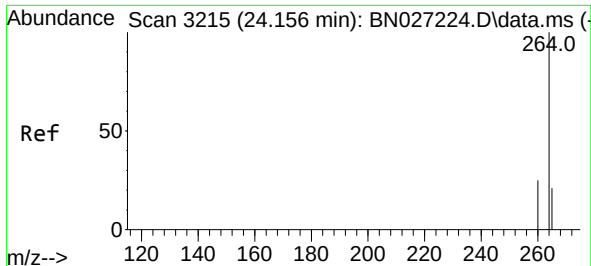


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.047 ng
RT: 21.470 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53



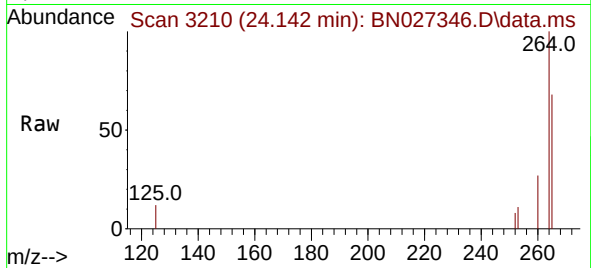
Tgt Ion:149 Resp: 1361
Ion Ratio Lower Upper
149 100
167 29.0 22.1 33.1
279 2.4 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.142 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

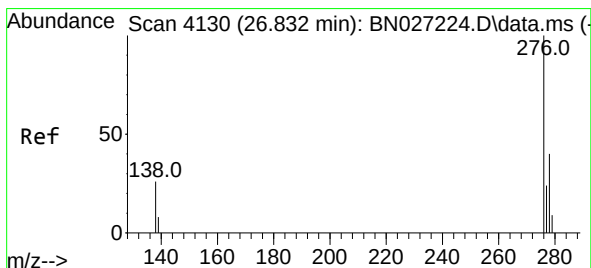
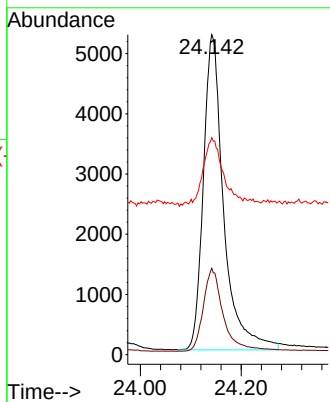
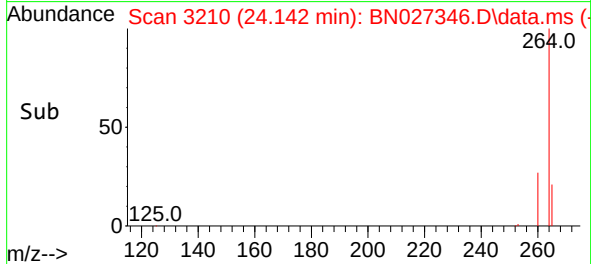
Instrument :
BNA_N
ClientSampleId :
RE131D1-20230821



Tgt Ion:264 Resp: 14638
Ion Ratio Lower Upper
264 100
260 27.0 20.7 31.1
265 67.8 53.3 79.9

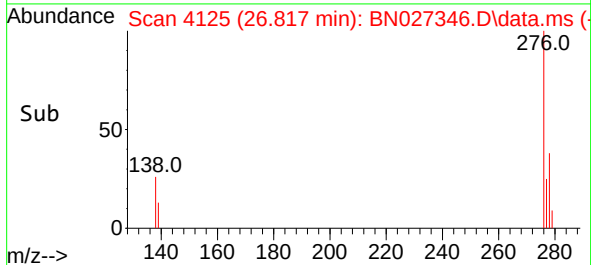
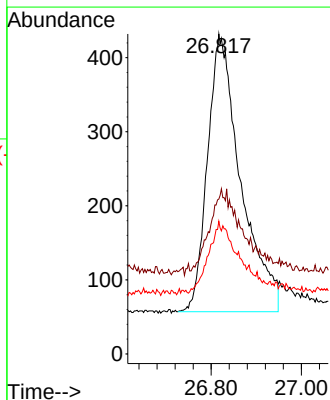
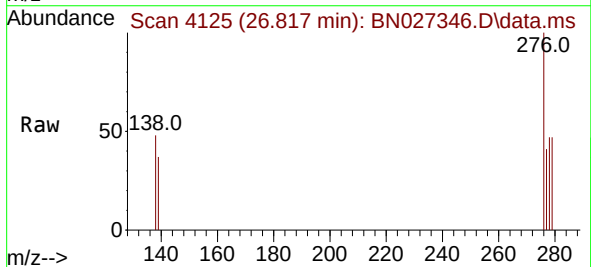
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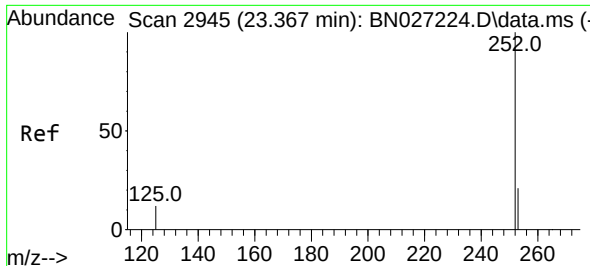
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 26.817 min Scan# 4125
Delta R.T. 0.015 min
Lab File: BN027346.D
Acq: 01 Sep 2023 14:53

Tgt Ion:276 Resp: 1915
Ion Ratio Lower Upper
276 100
138 13.4 23.4 35.2#
277 10.0 19.8 29.8#





#37

Benzo(b)fluoranthene

Concen: 0.045 ng

RT: 23.358 min Scan# 2942

Delta R.T. 0.009 min

Lab File: BN027346.D

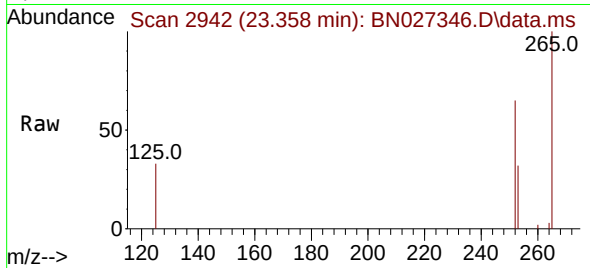
Acq: 01 Sep 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE131D1-20230821



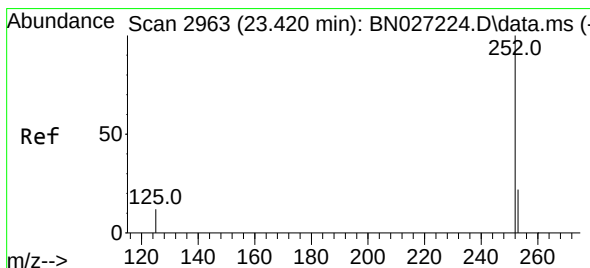
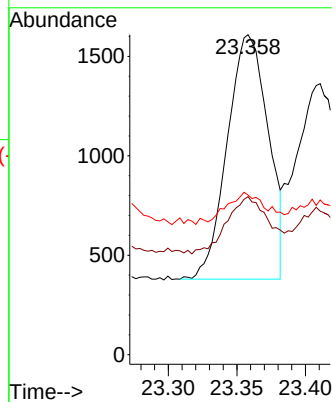
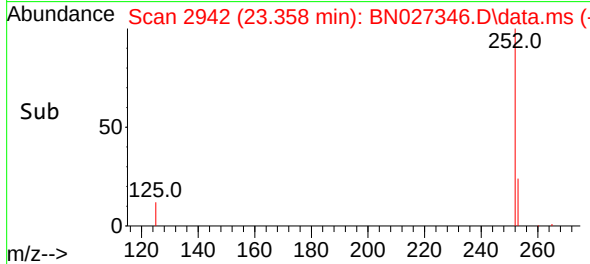
Tgt Ion:	252	Resp:	255
Ion Ratio	Lower	Upper	
252	100		
253	49.4	19.9	29.9
125	49.9	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/04/2023

Supervised By :mohammad ahmed 09/04/2023



#38

Benzo(k)fluoranthene

Concen: 0.042 ng m

RT: 23.411 min Scan# 2960

Delta R.T. 0.012 min

Lab File: BN027346.D

Acq: 01 Sep 2023 14:53

Tgt Ion:	252	Resp:	2425
Ion Ratio	Lower	Upper	
252	100		
253	53.0	20.2	30.2
125	57.1	14.1	21.1

