

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028223.D
 Acq On : 11 Oct 2023 07:46
 Operator : MA/JU
 Sample : 04767-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-3(10-15)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 11 08:14:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3489	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11147	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	5942	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	11729	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11191	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	15753	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2805	0.270	ng	0.00
5) Phenol-d6	7.084	99	3142	0.239	ng	0.00
8) Nitrobenzene-d5	9.123	82	2881	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.320	152	3335	0.202	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	591	0.217	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	4494	0.210	ng	0.00
27) Fluoranthene-d10	19.356	212	5357	0.182	ng	0.00
31) Terphenyl-d14	19.941	244	5796	0.222	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	243229	8.445	ng	98
12) 2-Methylnaphthalene	12.392	142	28971	1.438	ng	99
16) Acenaphthylene	14.288	152	285050	10.829	ng	99
17) Acenaphthene	14.630	154	73030	4.352	ng	99
18) Fluorene	15.606	166	144429	6.627	ng	95
25) Phenanthrene	17.368	178	977688	30.919	ng	100
26) Anthracene	17.455	178	391668	13.104	ng	97
28) Fluoranthene	19.388	202	2104439	57.667	ng	99
30) Pyrene	19.755	202	1795690	43.759	ng	99
32) Benzo(a)anthracene	21.497	228	1127133	29.598	ng	98
33) Chrysene	21.560	228	949621	25.876	ng	97
36) Indeno(1,2,3-cd)pyrene	26.580	276	757657	14.299	ng	97
37) Benzo(b)fluoranthene	23.227	252	1359956	26.730	ng	# 89
38) Benzo(k)fluoranthene	23.273	252	517500m	10.028	ng	
39) Benzo(a)pyrene	23.879	252	1143620m	23.772	ng	
40) Dibenzo(a,h)anthracene	26.583	278	208622	4.813	ng	99
41) Benzo(g,h,i)perylene	27.399	276	737279	16.571	ng	95

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

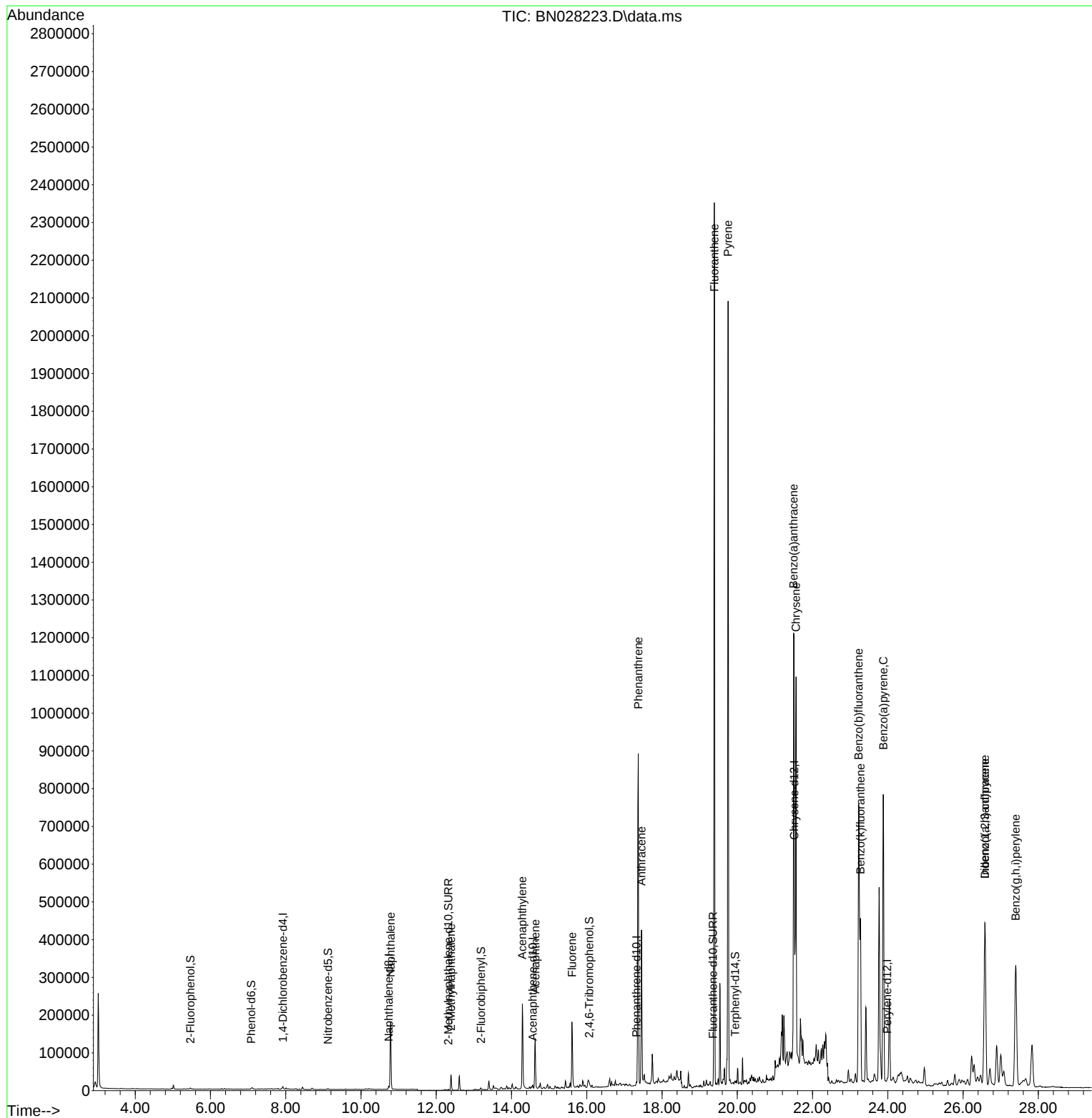
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028223.D
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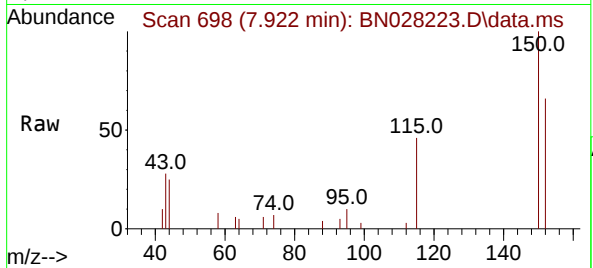
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

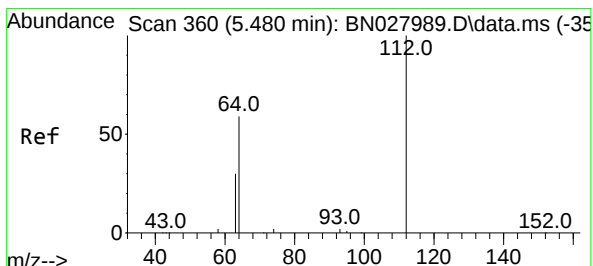
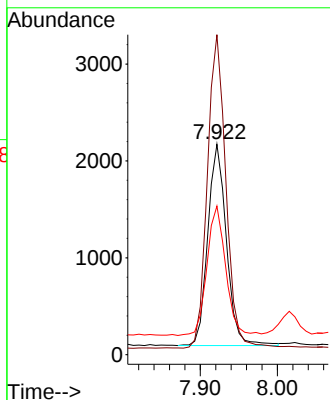
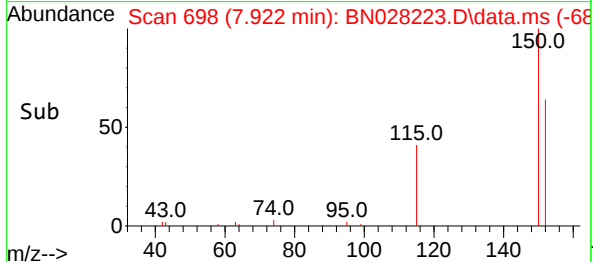
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:152 Resp: 3489
Ion Ratio Lower Upper
152 100
150 152.1 125.6 188.4
115 70.7 54.8 82.2

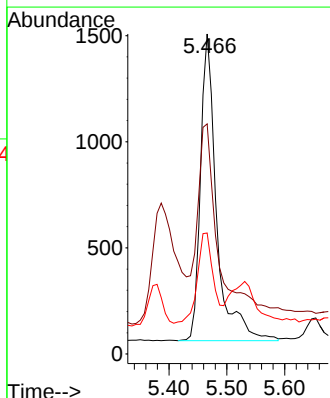
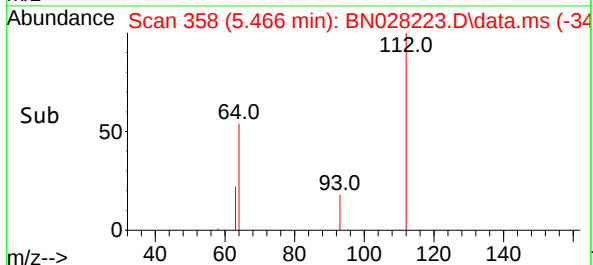
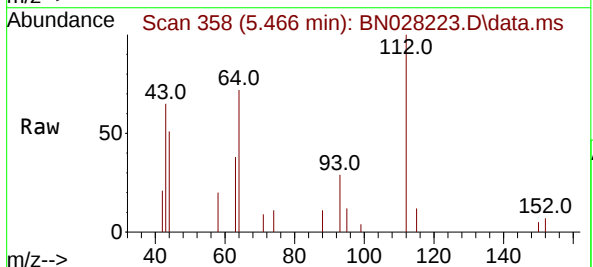
Manual Integrations
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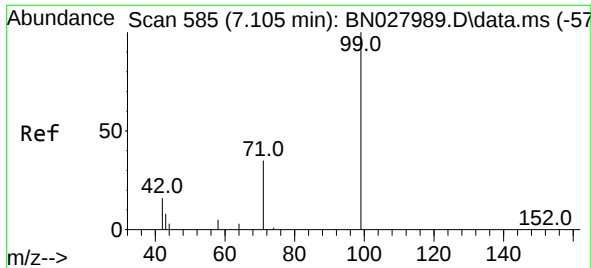
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.270 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

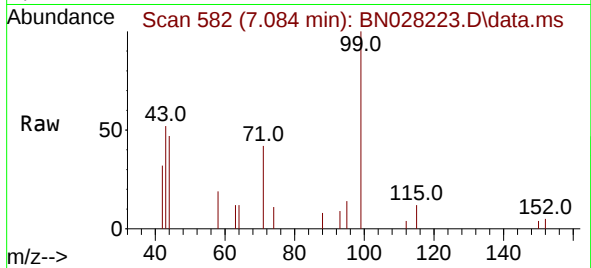
Tgt Ion:112 Resp: 2805
Ion Ratio Lower Upper
112 100
64 68.2 45.0 67.6#
63 29.7 23.4 35.0





#5
Phenol-d6
Concen: 0.239 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

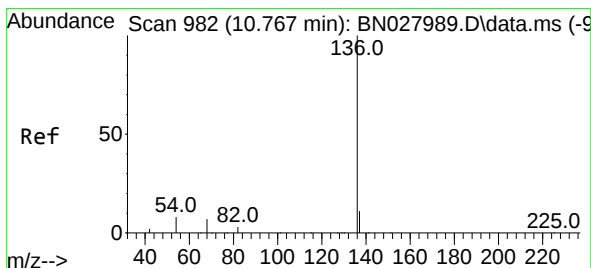
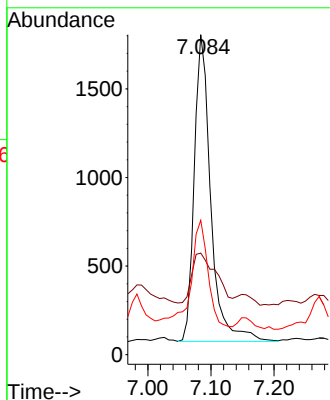
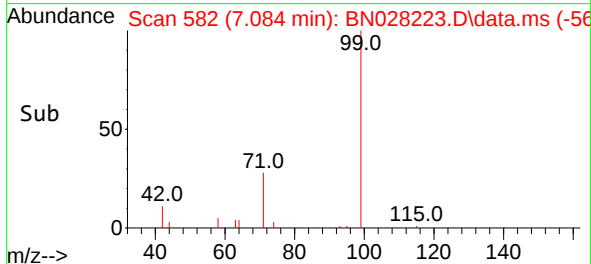


Tgt Ion: 99 Resp: 314

Ion	Ratio	Lower	Upper
99	100		
42	23.8	14.6	22.0
71	36.0	28.3	42.5

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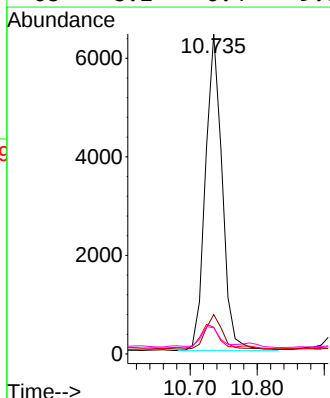
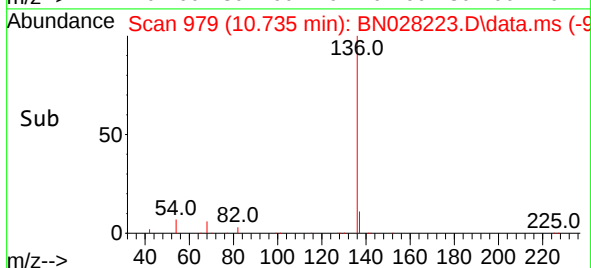
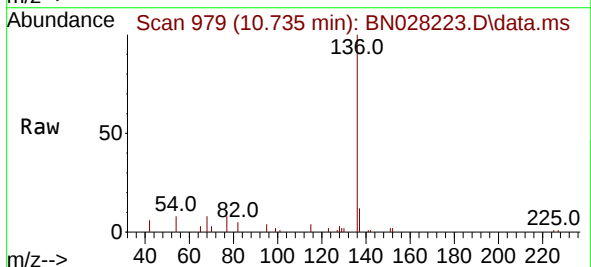
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:136 Resp: 11147

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.4	14.0
54	8.4	7.0	10.6
68	8.2	6.4	9.6





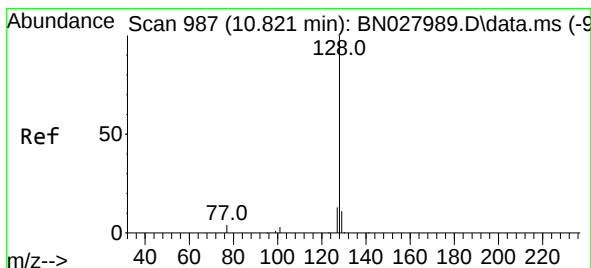
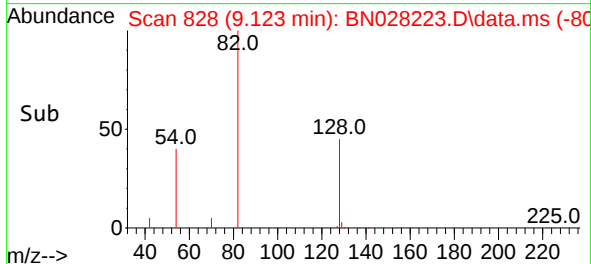
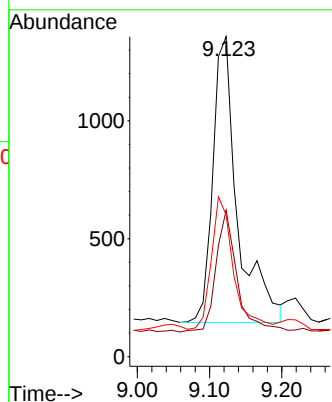
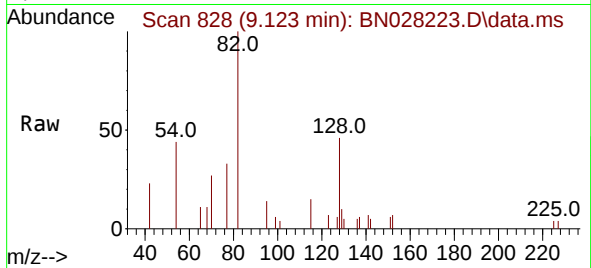
#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

Tgt Ion: 82 Resp: 288
Ion Ratio Lower Upper
82 100
128 45.8 32.7 49.1
54 44.3 38.7 58.1

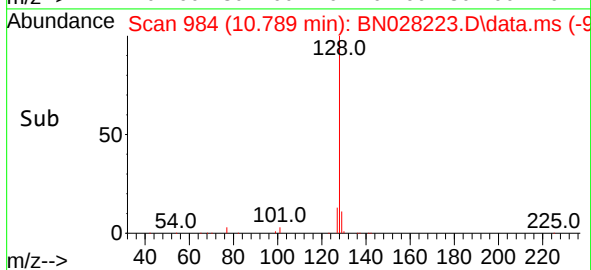
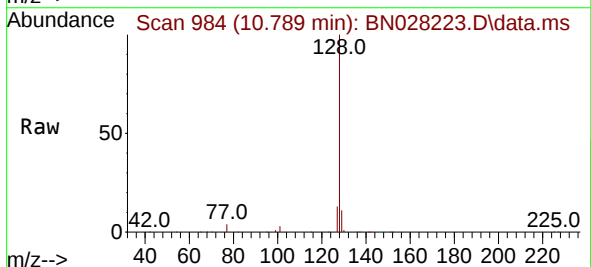
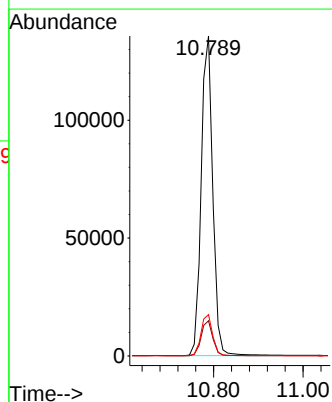
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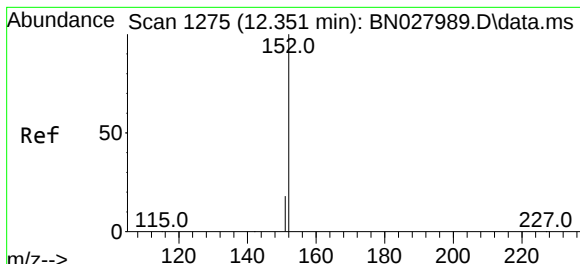
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 8.445 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

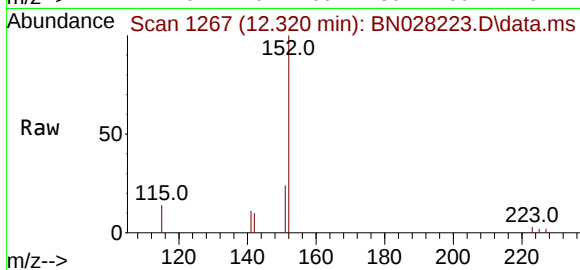
Tgt Ion:128 Resp: 243229
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.320 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

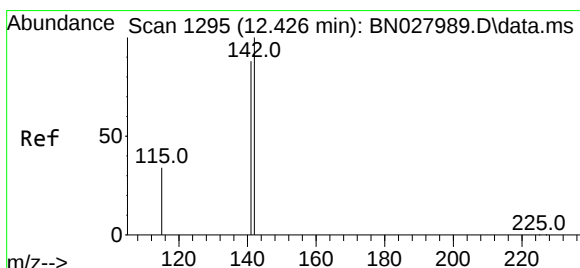
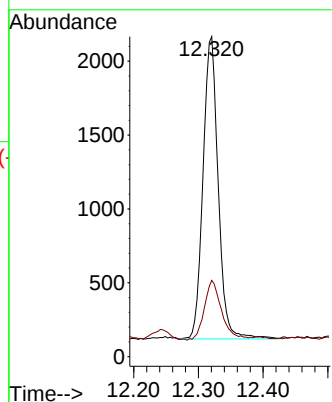
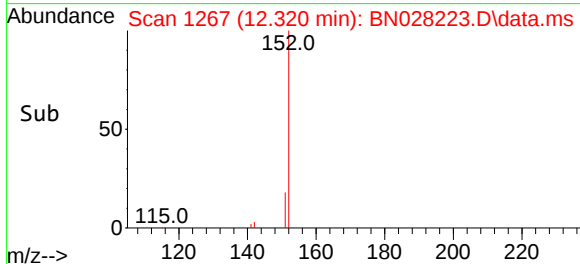
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



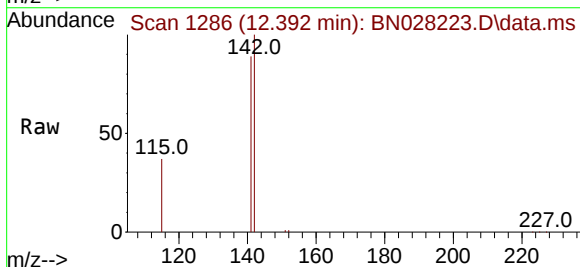
Tgt Ion:152 Resp: 3335
Ion Ratio Lower Upper
152 100
151 22.7 16.5 24.7

Manual Integrations
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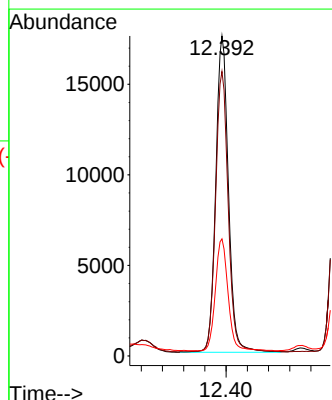
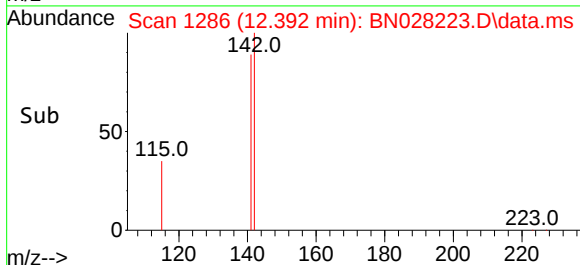
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

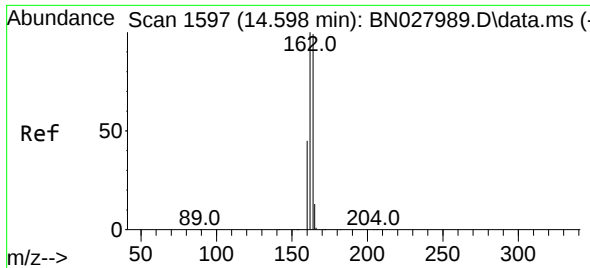


#12
2-Methylnaphthalene
Concen: 1.438 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46



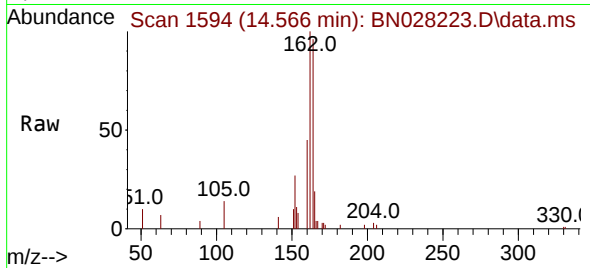
Tgt Ion:142 Resp: 28971
Ion Ratio Lower Upper
142 100
141 88.9 70.7 106.1
115 36.6 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

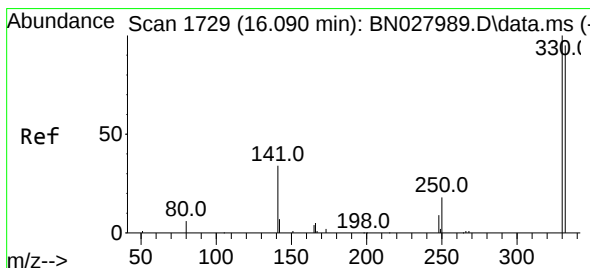
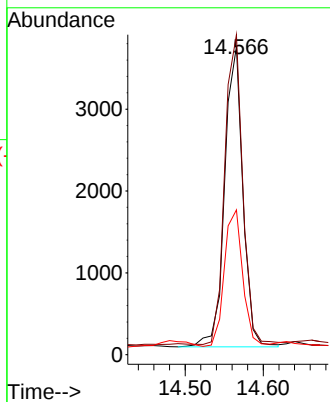
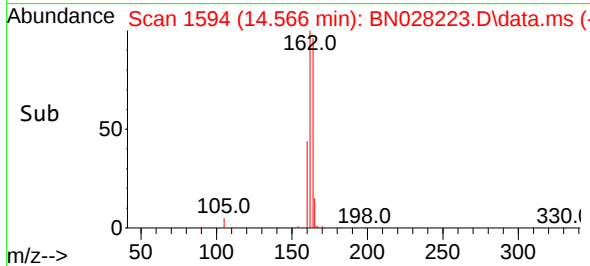
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



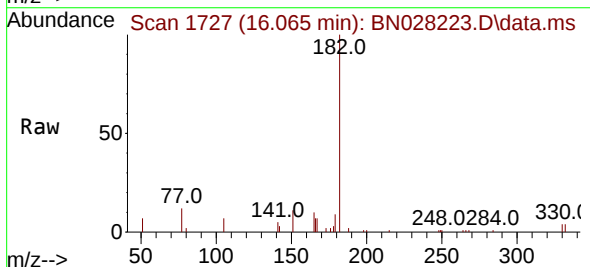
Tgt Ion:164 Resp: 594.2
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 47.0 36.4 54.6

Manual Integrations
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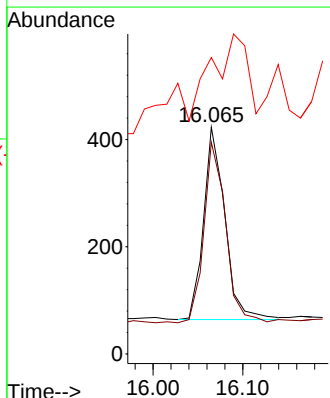
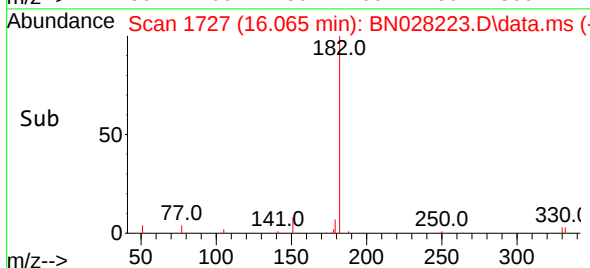
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

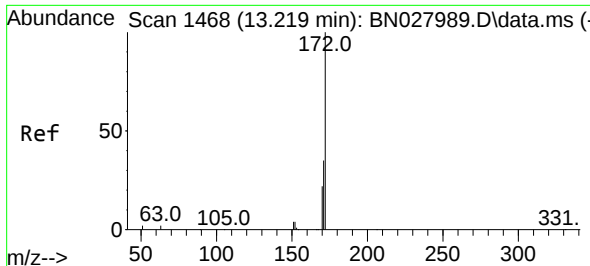


#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46



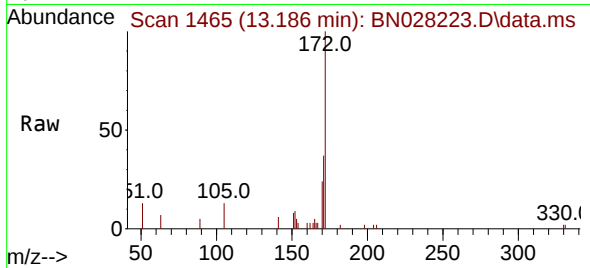
Tgt Ion:330 Resp: 591
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 13.186 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

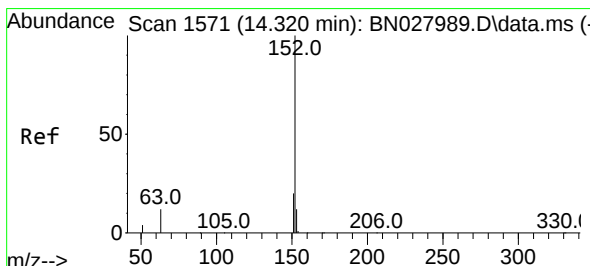
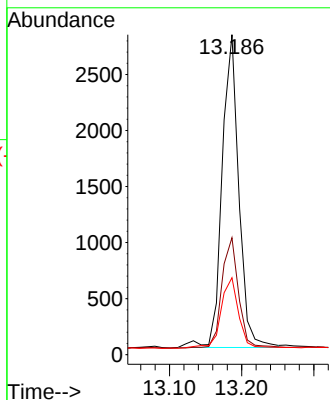
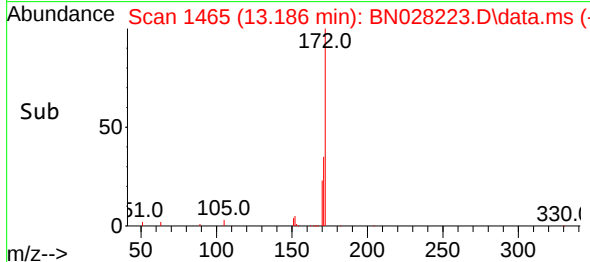
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:172 Resp: 4494
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 24.0 18.4 27.6

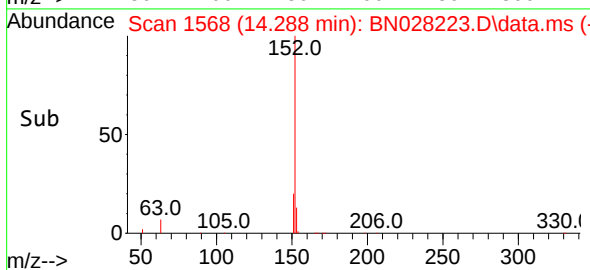
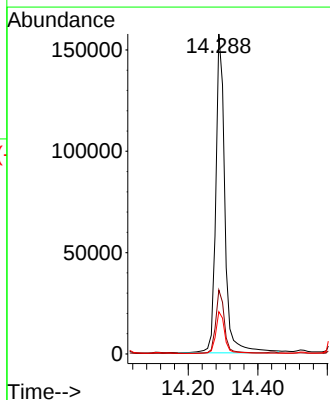
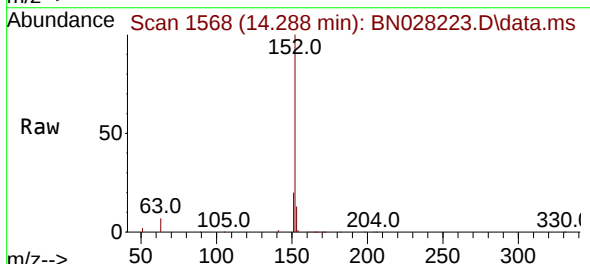
Manual Integrations
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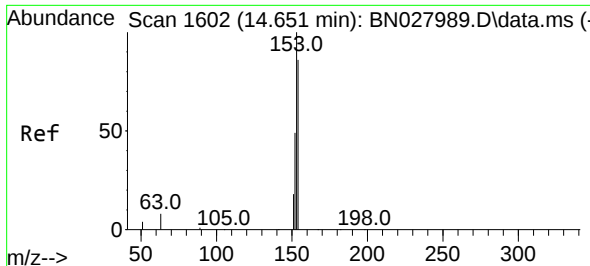
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 10.829 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

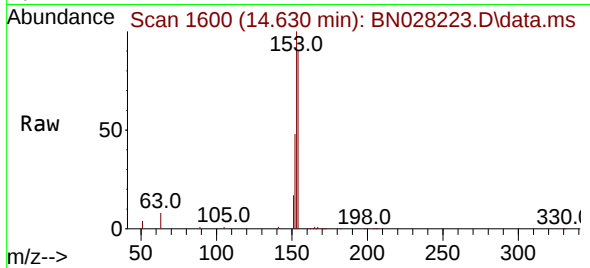
Tgt Ion:152 Resp: 285050
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.0 10.2 15.4





#17
Acenaphthene
Concen: 4.352 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

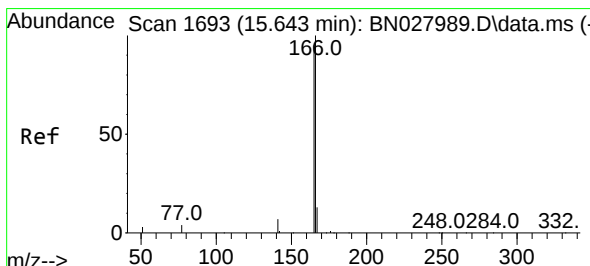
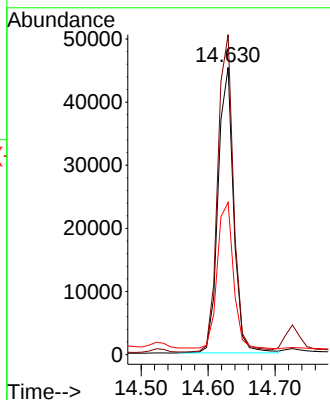
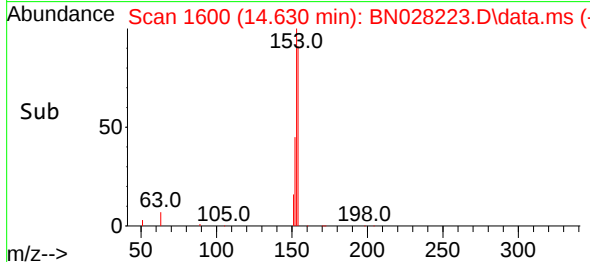
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



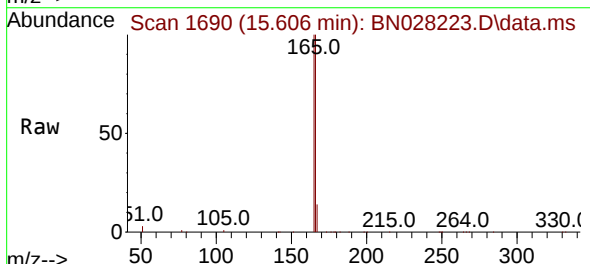
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Ion Ratio Lower Upper
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153 112.7 90.8 136.2
152 53.4 43.9 65.9

Manual Integrations
APPROVED

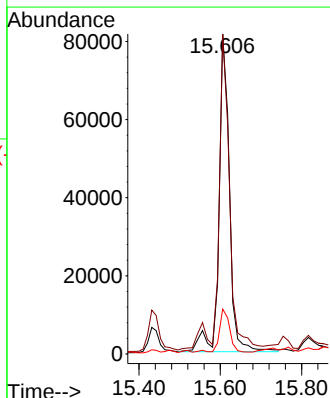
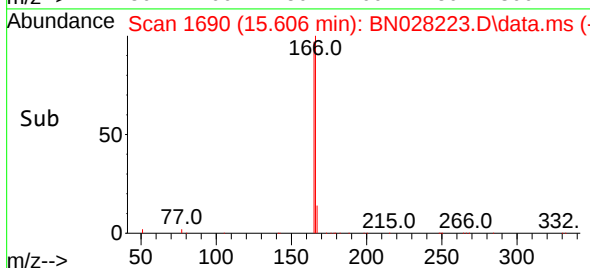
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

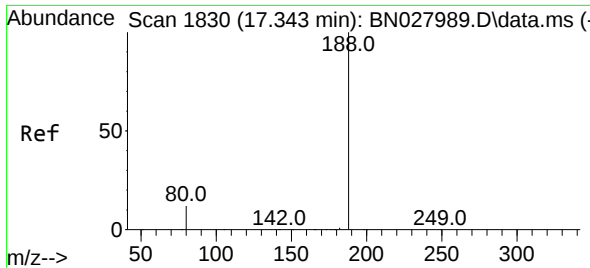


#18
Fluorene
Concen: 6.627 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46



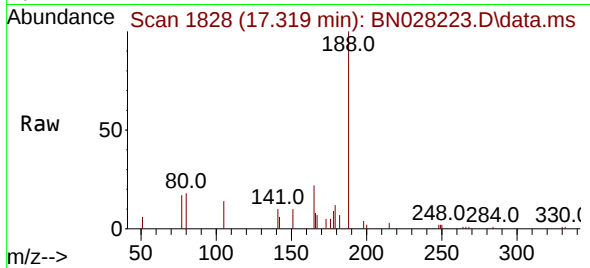
Tgt Ion:166 Resp: 144429
Ion Ratio Lower Upper
166 100
165 103.0 77.8 116.8
167 13.5 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

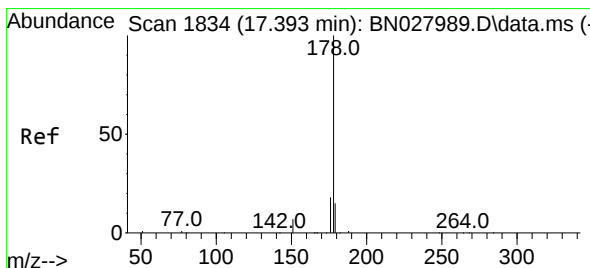
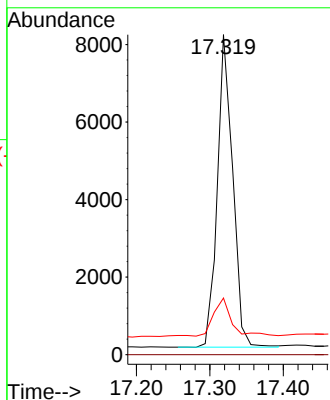
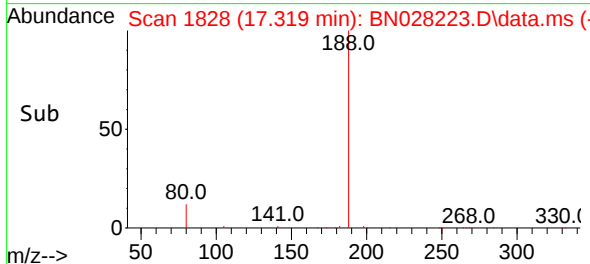
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



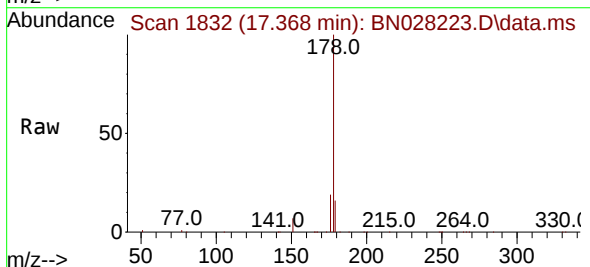
Tgt Ion:188 Resp: 11729
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.7 10.2 15.4

Manual Integrations
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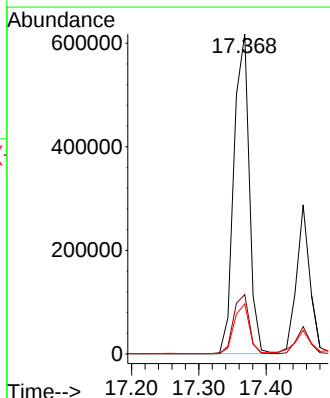
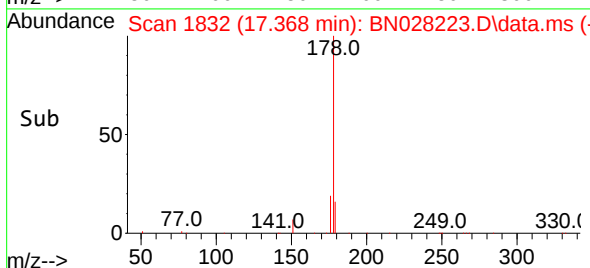
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

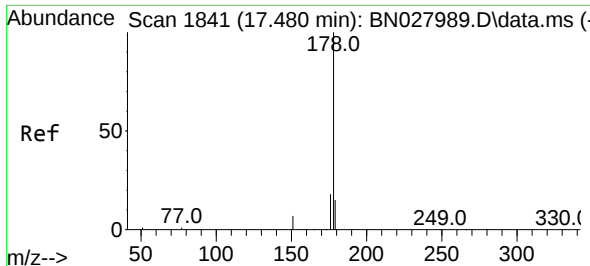


#25
Phenanthrene
Concen: 30.919 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46



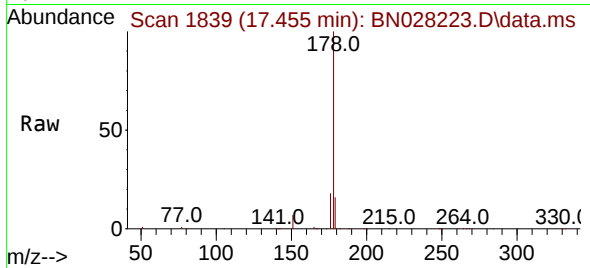
Tgt Ion:178 Resp: 977688
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.6 12.4 18.6





#26
 Anthracene
 Concen: 13.104 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028223.D
 Acq: 11 Oct 2023 07:46

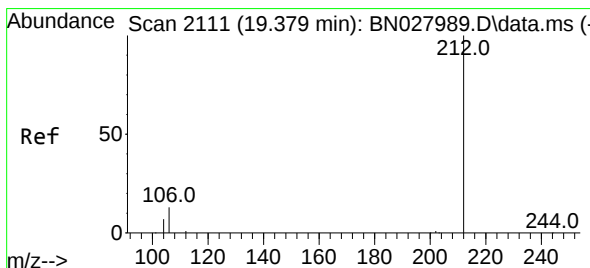
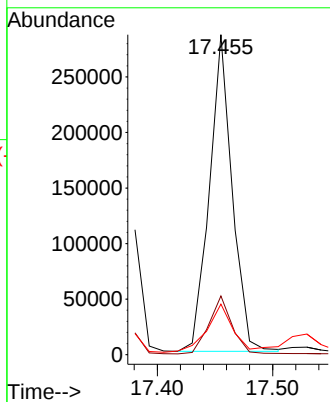
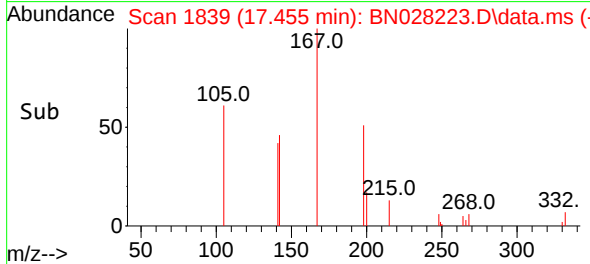
Instrument :
 BNA_N
 ClientSampleId :
 Q-3(10-15)



Tgt Ion:178 Resp: 391668
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 17.8 12.2 18.2

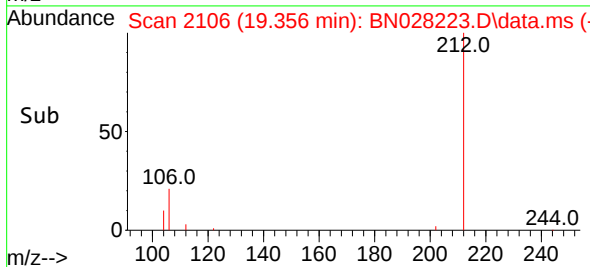
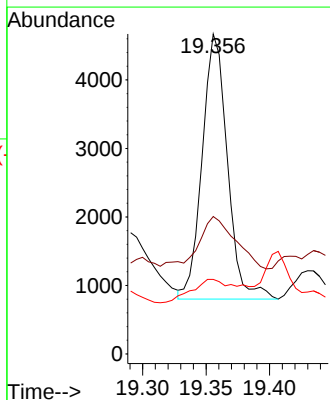
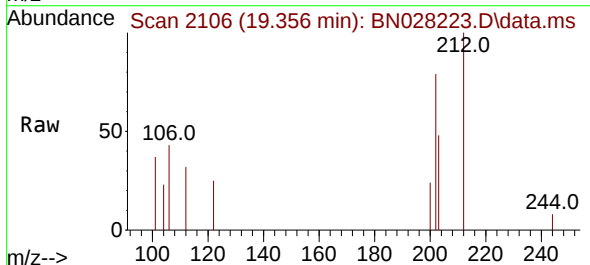
Manual Integrations
 APPROVED

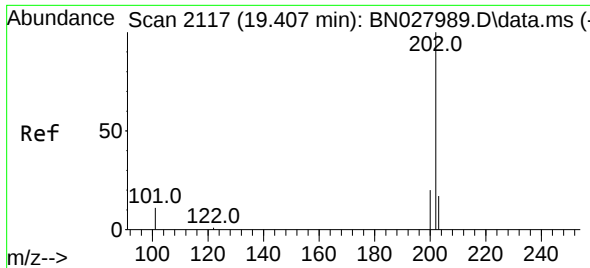
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.182 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028223.D
 Acq: 11 Oct 2023 07:46

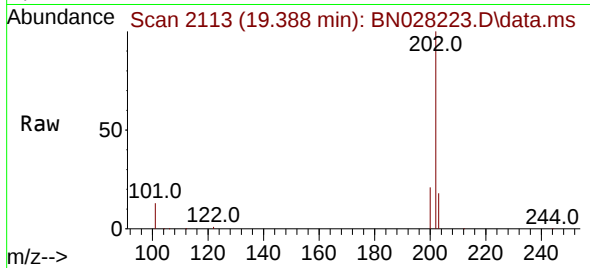
Tgt Ion:212 Resp: 5357
 Ion Ratio Lower Upper
 212 100
 106 28.8 11.3 16.9#
 104 16.4 6.4 9.6#





#28
Fluoranthene
Concen: 57.667 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

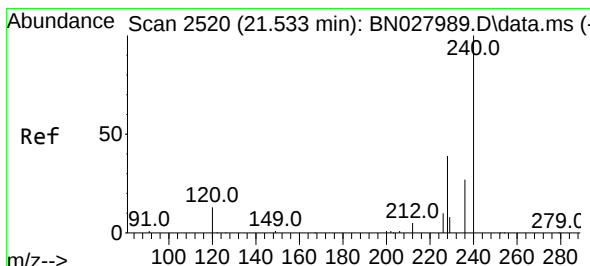
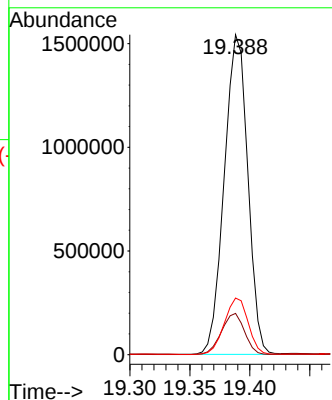
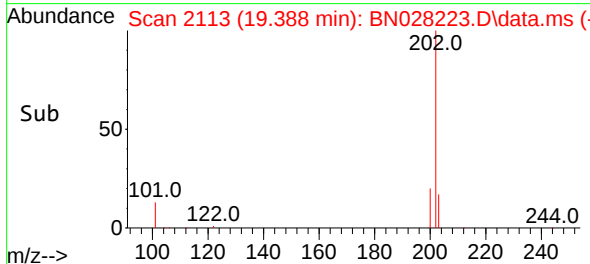
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:202 Resp: 2104439
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.6
203 17.7 13.8 20.8

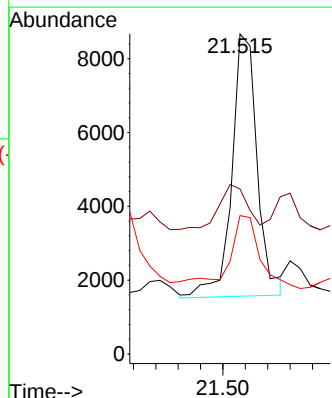
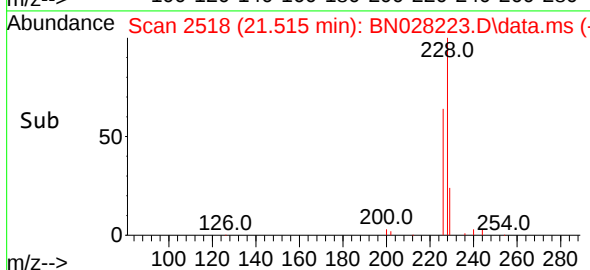
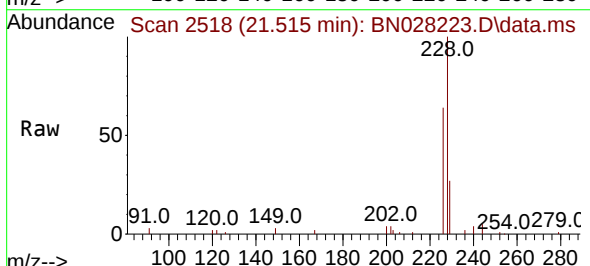
Manual Integrations
APPROVED

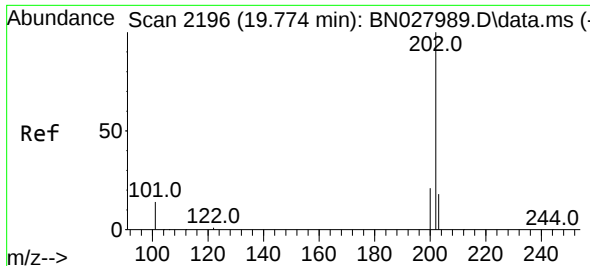
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

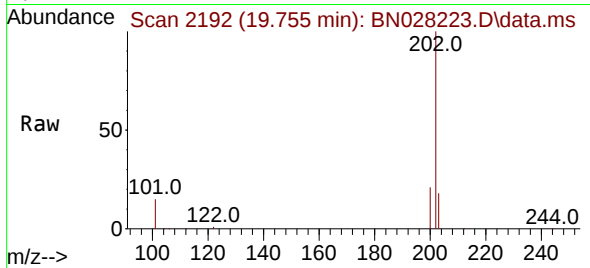
Tgt Ion:240 Resp: 11191
Ion Ratio Lower Upper
240 100
120 51.5 13.8 20.6#
236 43.3 22.6 33.8#





#30
Pyrene
Concen: 43.759 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

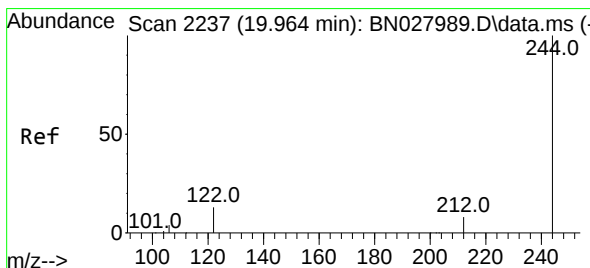
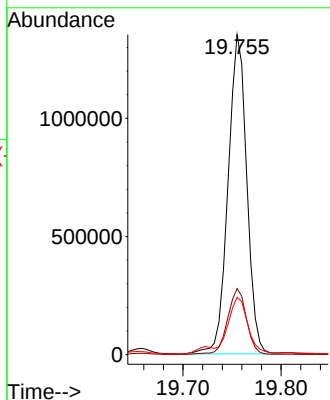
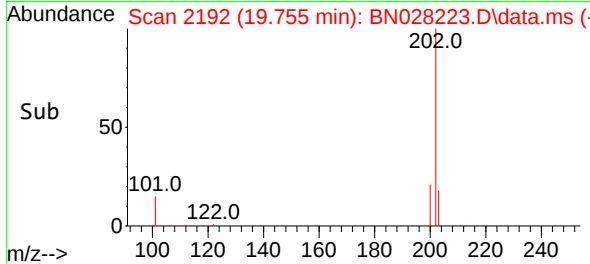
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:202 Resp: 1795690
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 17.8 14.7 22.1

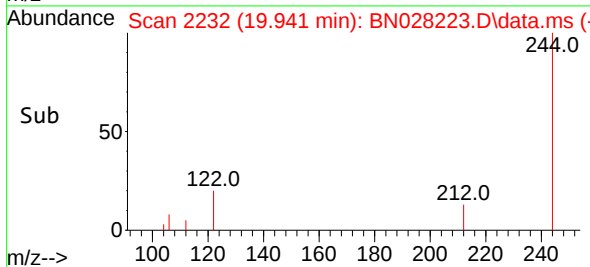
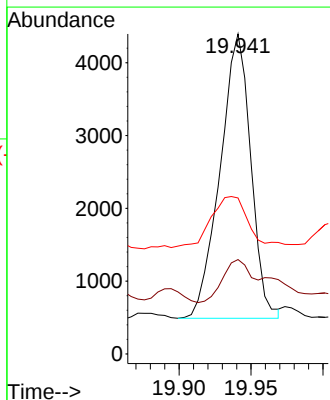
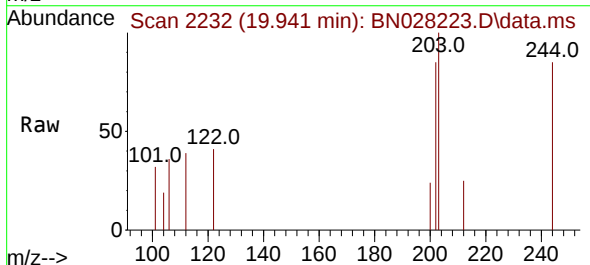
Manual Integrations
APPROVED

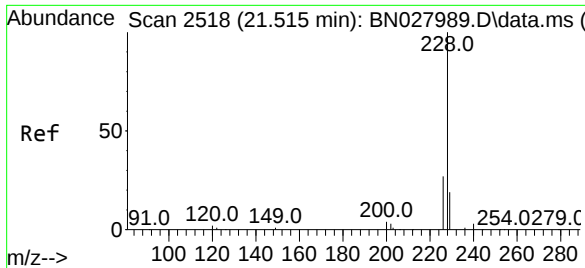
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.222 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

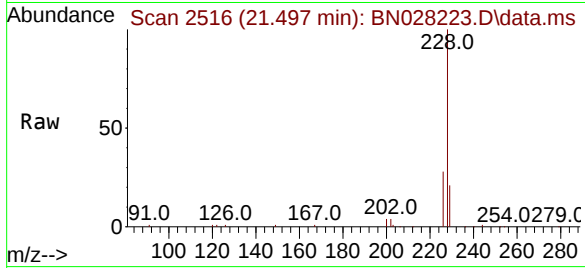
Tgt Ion:244 Resp: 5796
Ion Ratio Lower Upper
244 100
212 29.5 6.6 9.8#
122 48.7 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 29.598 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

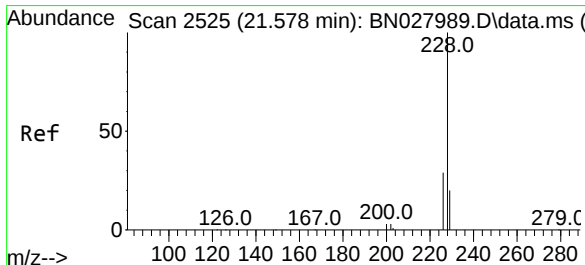
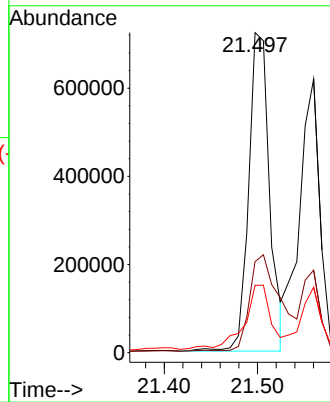
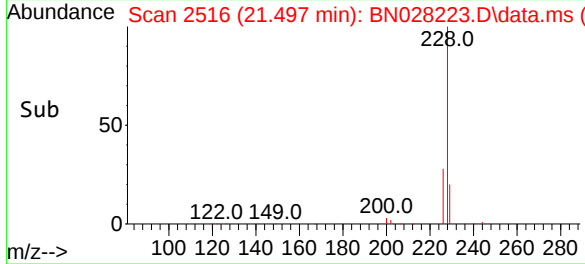
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:228 Resp: 112713
Ion Ratio Lower Upper
228 100
226 28.4 22.0 33.0
229 21.0 16.0 24.0

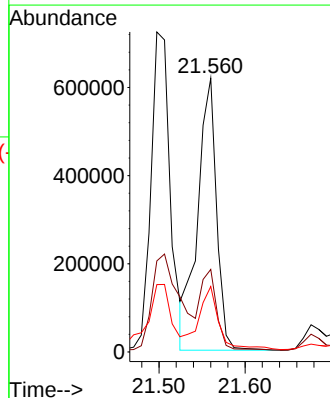
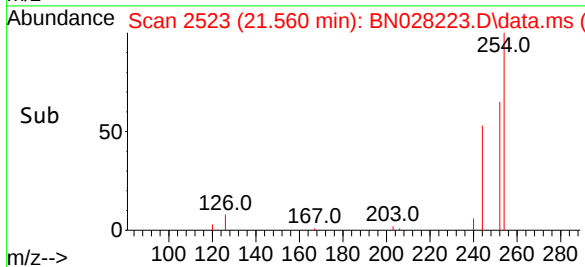
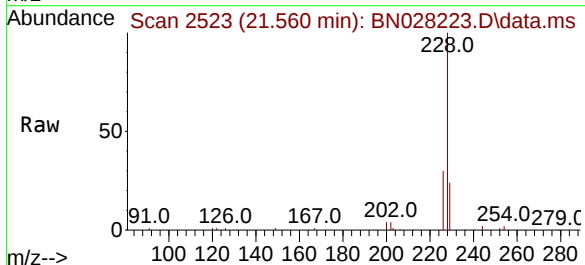
Manual Integrations
APPROVED

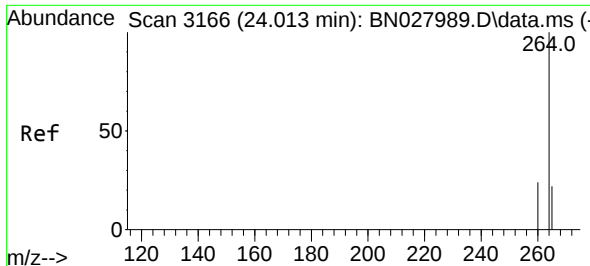
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#33
Chrysene
Concen: 25.876 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

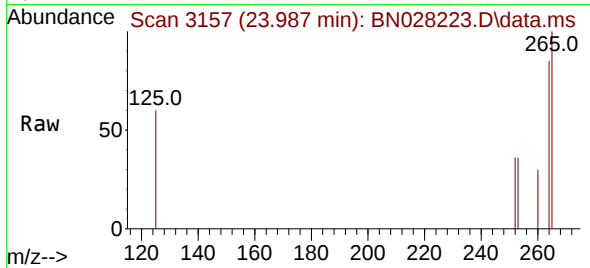
Tgt Ion:228 Resp: 949621
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 23.9 16.6 25.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.987 min Scan# 3166
Delta R.T. 0.012 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

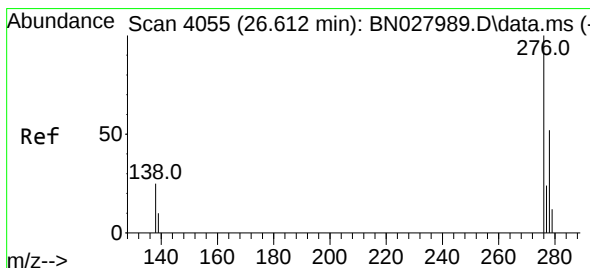
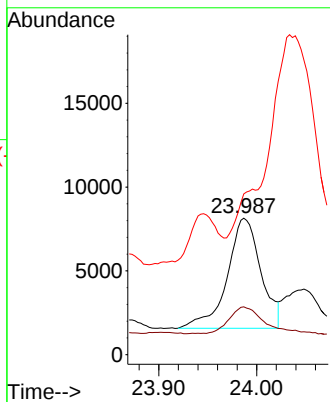
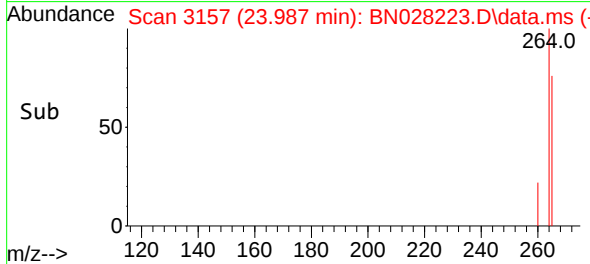
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:264 Resp: 1575
Ion Ratio Lower Upper
264 100
260 35.1 20.2 30.4
265 117.8 54.8 82.2

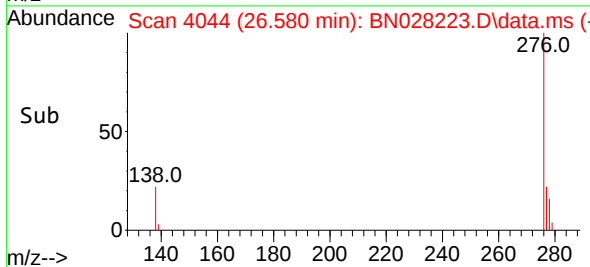
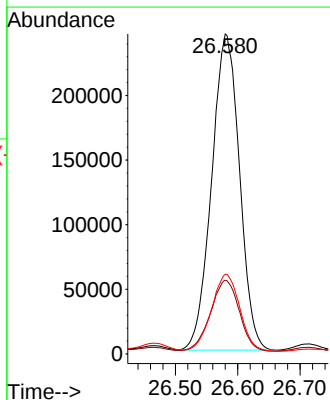
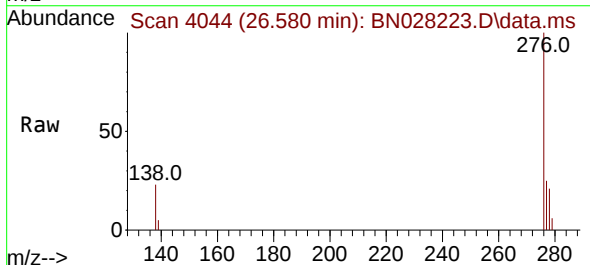
Manual Integrations
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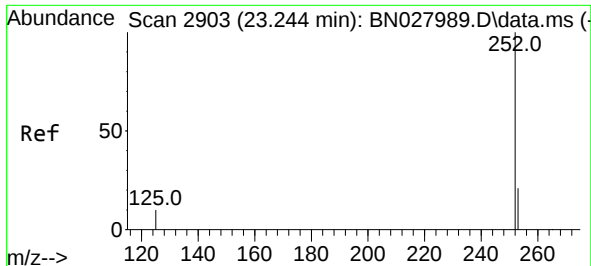
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 14.299 ng
RT: 26.580 min Scan# 4044
Delta R.T. 0.023 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

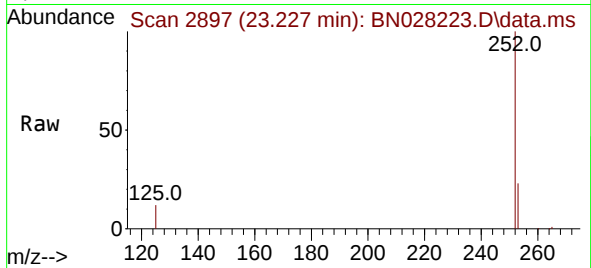
Tgt Ion:276 Resp: 757657
Ion Ratio Lower Upper
276 100
138 23.2 20.9 31.3
277 24.7 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 26.730 ng
RT: 23.227 min Scan# 2913
Delta R.T. 0.014 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

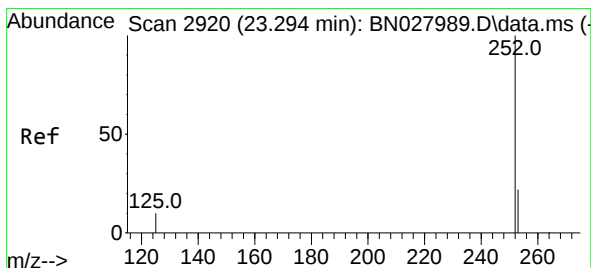
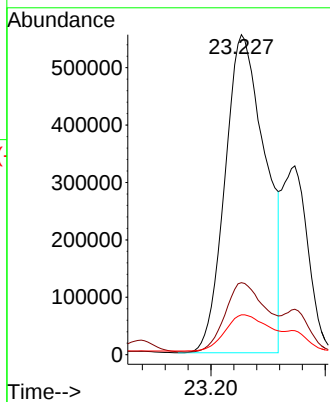
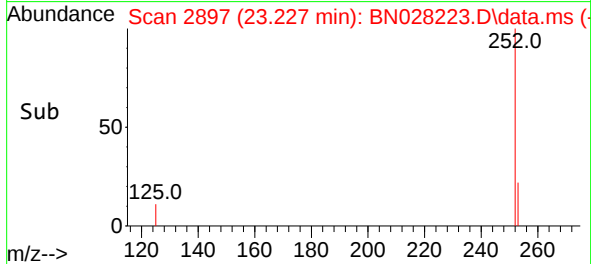
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)



Tgt Ion:252 Resp: 1359950
Ion Ratio Lower Upper
252 100
253 22.5 22.9 34.3
125 12.5 13.8 20.8

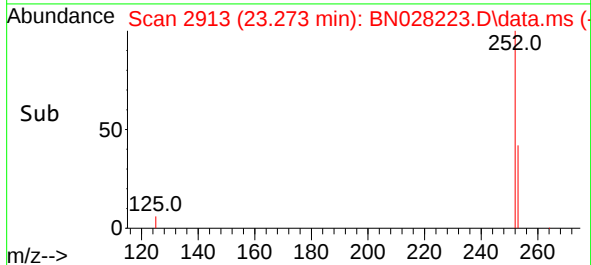
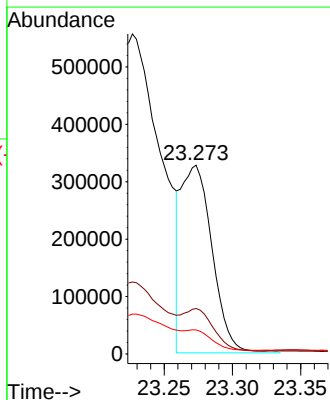
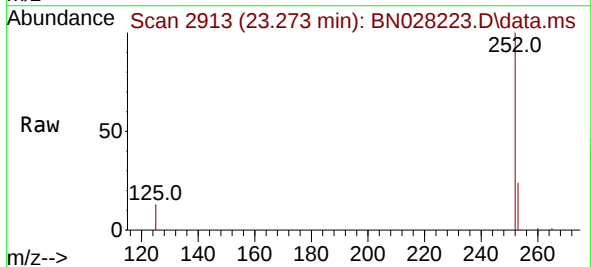
Manual Integrations
APPROVED

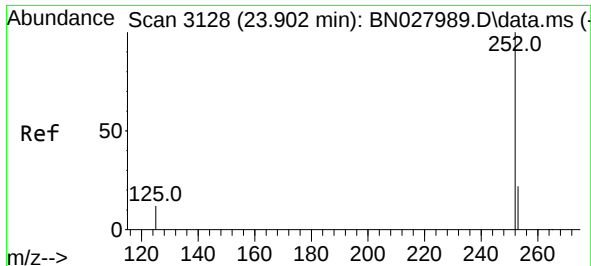
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#38
Benzo(k)fluoranthene
Concen: 10.028 ng m
RT: 23.273 min Scan# 2913
Delta R.T. 0.012 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:252 Resp: 517500
Ion Ratio Lower Upper
252 100
253 24.1 23.1 34.7
125 12.7 13.8 20.8





#39

Benzo(a)pyrene

Concen: 23.772 ng m

RT: 23.879 min Scan# 31

Delta R.T. 0.014 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

Tgt Ion:252 Resp: 1143620

Ion Ratio Lower Upper

252 100

253 23.2 25.0 37.4

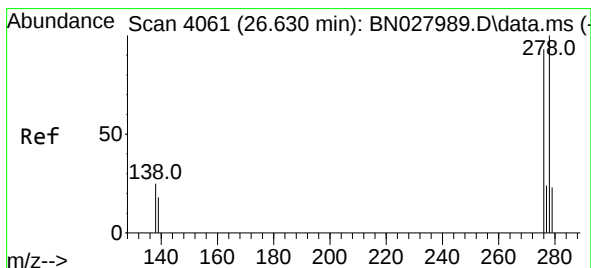
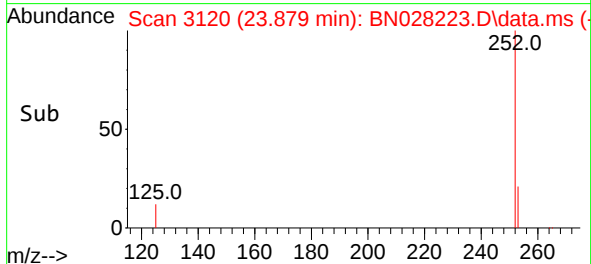
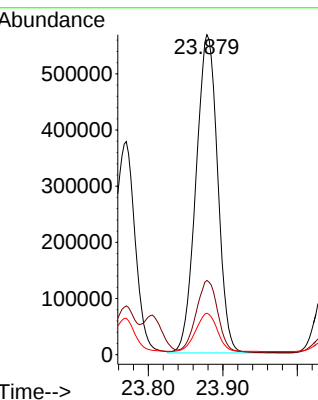
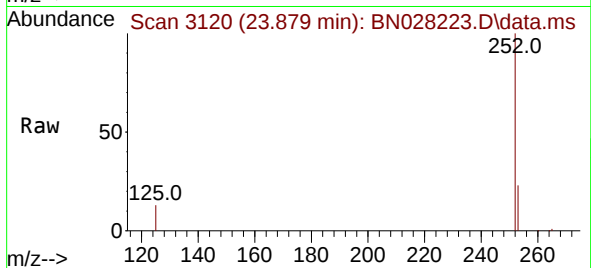
125 13.0 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#40

Dibenzo(a,h)anthracene

Concen: 4.813 ng

RT: 26.583 min Scan# 4045

Delta R.T. 0.006 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

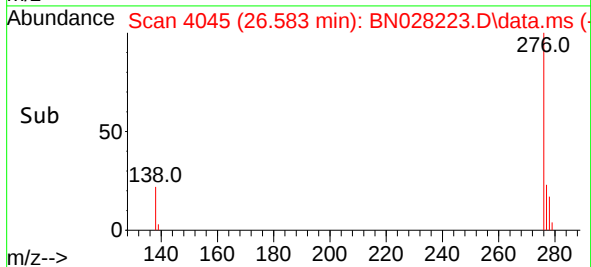
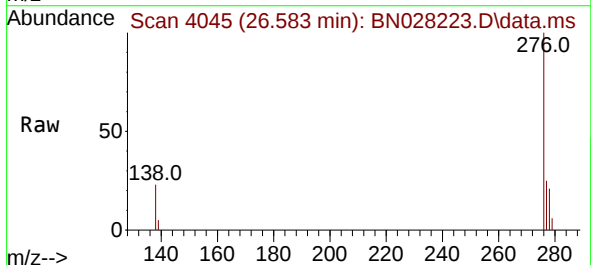
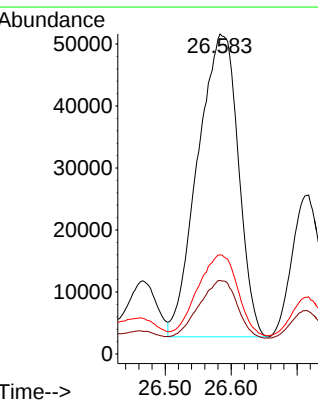
Tgt Ion:278 Resp: 208622

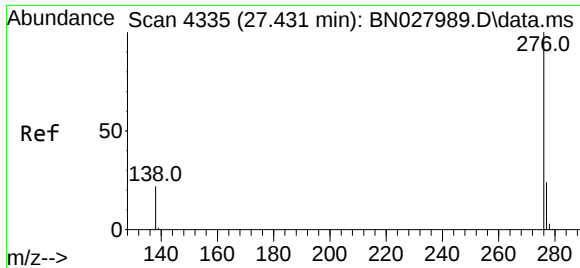
Ion Ratio Lower Upper

278 100

139 22.9 17.7 26.5

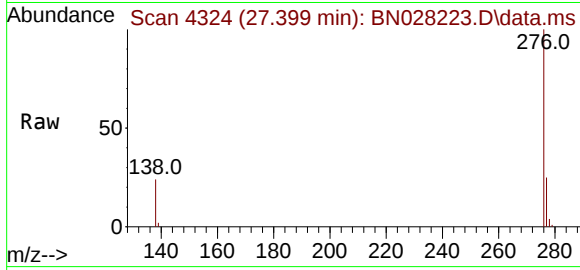
279 30.9 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 16.571 ng
 RT: 27.399 min Scan# 41
 Delta R.T. 0.032 min
 Lab File: BN028223.D
 Acq: 11 Oct 2023 07:46

Instrument :
 BNA_N
 ClientSampleId :
 Q-3(10-15)



Tgt Ion:276 Resp: 737279
 Ion Ratio Lower Upper
 276 100
 277 24.9 22.1 33.1
 138 24.0 20.8 31.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

