

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028214.D
 Acq On : 11 Oct 2023 02:22
 Operator : MA/JU
 Sample : 04693-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 03:08:29 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	5285	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	16703	0.400	ng	# 0.00
13) Acenaphthene-d10	14.555	164	10533	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	18024	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	13276m	0.400	ng	0.00
35) Perylene-d12	23.987	264	19389m	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2438	0.155	ng	0.00
5) Phenol-d6	7.084	99	2738	0.138	ng	0.00
8) Nitrobenzene-d5	9.112	82	2327	0.164	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	3368	0.136	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	624	0.129	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	4788	0.126	ng	0.00
27) Fluoranthene-d10	19.356	212	7059	0.156	ng	0.00
31) Terphenyl-d14	19.936	244	9672	0.312	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	513416	11.896	ng	99
12) 2-Methylnaphthalene	12.389	142	188946	6.259	ng	99
16) Acenaphthylene	14.288	152	1465926	31.417	ng	99
17) Acenaphthene	14.619	154	110484	3.714	ng	98
18) Fluorene	15.606	166	502232	13.001	ng	# 94
25) Phenanthrene	17.368	178	5271584	108.486	ng	99
26) Anthracene	17.455	178	2514368	54.744	ng	97
28) Fluoranthene	19.393	202	6696953	119.420	ng	97
30) Pyrene	19.760	202	7026437	144.334	ng	96
32) Benzo(a)anthracene	21.506	228	4050084	89.652	ng	93
33) Chrysene	21.560	228	3548321	81.503	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	30604	1.030	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.589	276	2225959	34.131	ng	98
37) Benzo(b)fluoranthene	23.230	252	4287112	68.463	ng	# 89
38) Benzo(k)fluoranthene	23.271	252	1526822m	24.039	ng	
39) Benzo(a)pyrene	23.882	252	3613316m	61.024	ng	
40) Dibenzo(a,h)anthracene	26.592	278	637164	11.943	ng	95
41) Benzo(g,h,i)perylene	27.408	276	2204609	40.258	ng	95

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

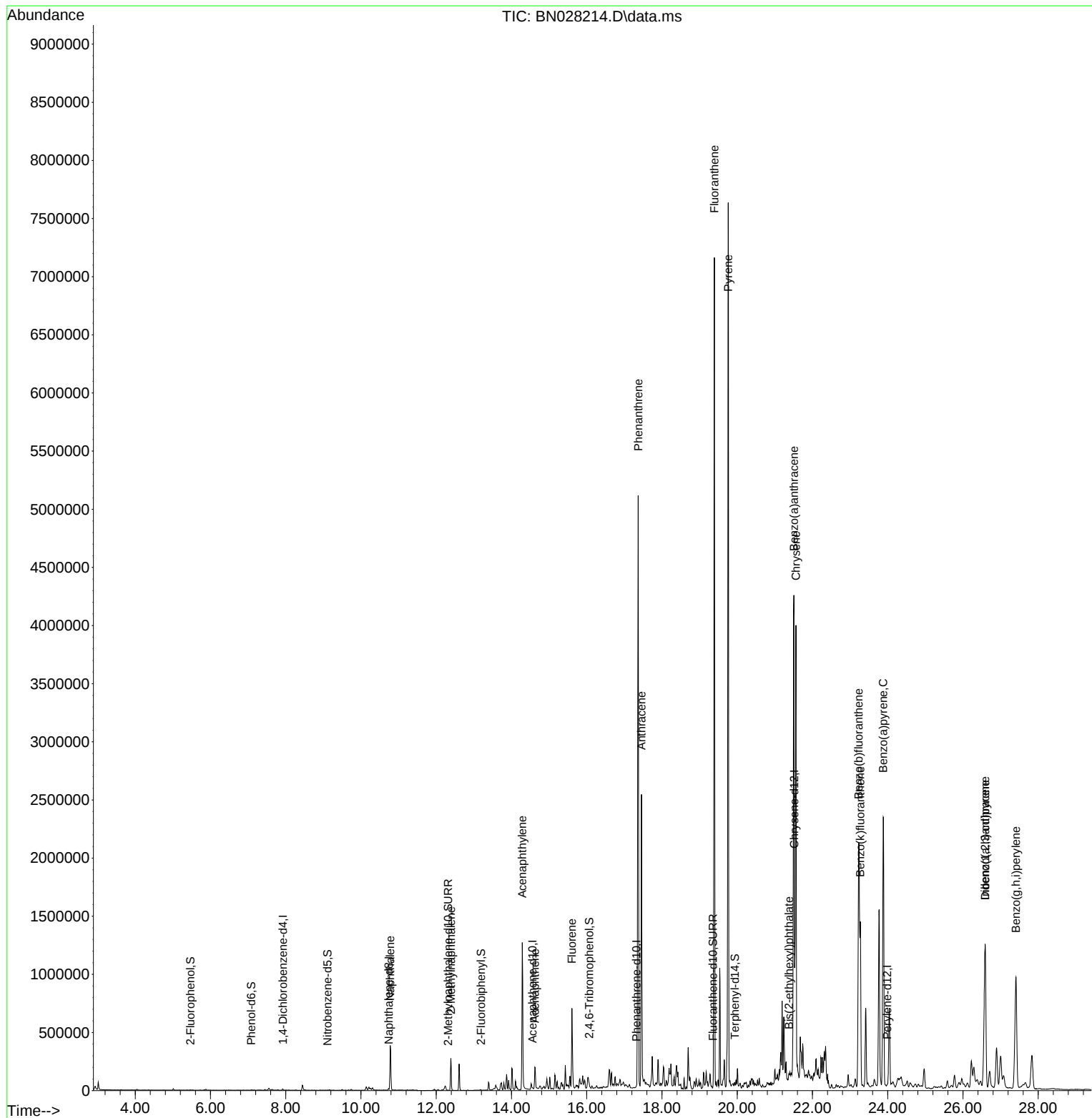
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028214.D
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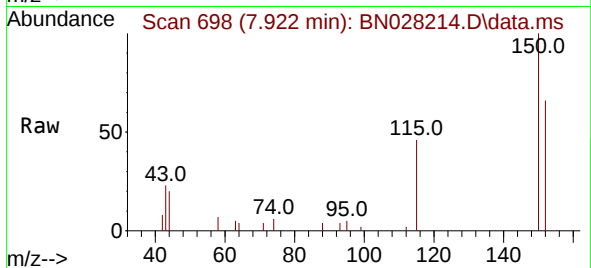
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

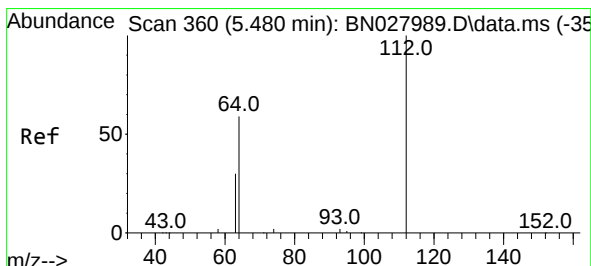
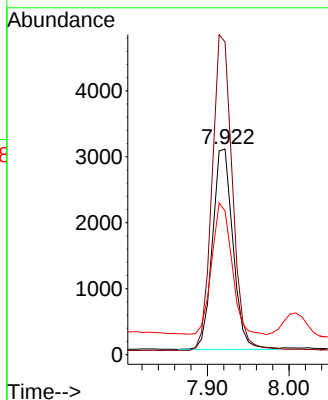
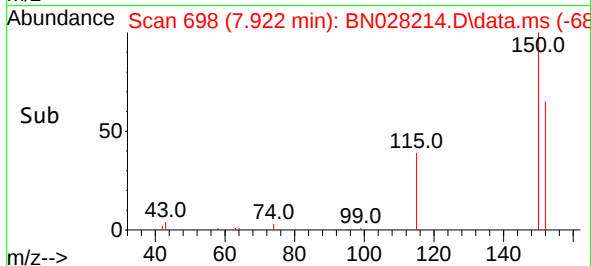
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



Tgt Ion:152 Resp: 528
Ion Ratio Lower Upper
152 100
150 152.1 125.6 188.4
115 69.9 54.8 82.2

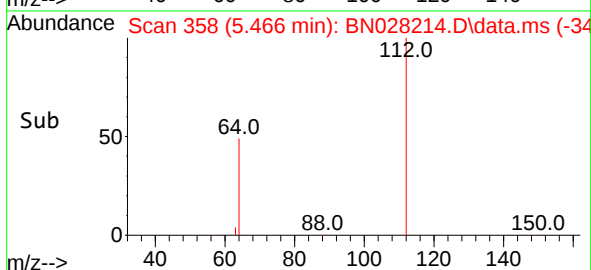
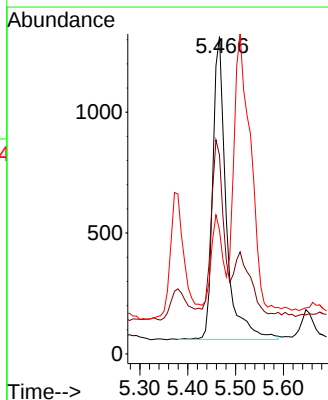
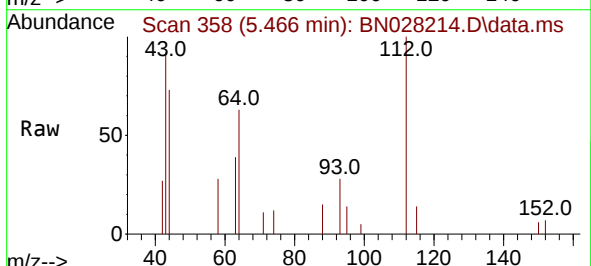
Manual Integrations
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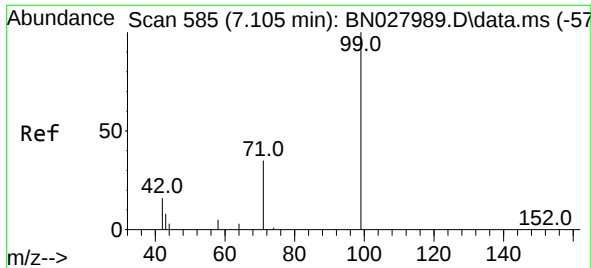
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

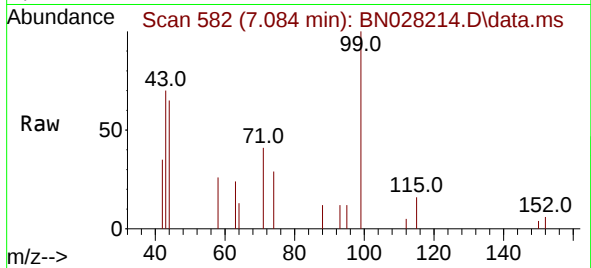
Tgt Ion:112 Resp: 2438
Ion Ratio Lower Upper
112 100
64 49.6 45.0 67.6
63 24.7 23.4 35.0





#5
Phenol-d6
Concen: 0.138 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

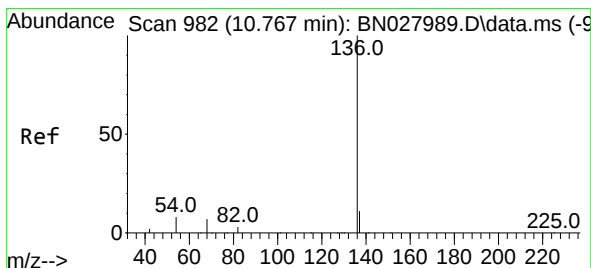
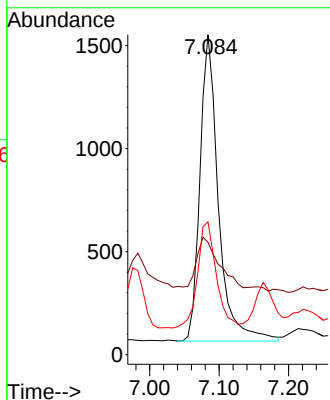
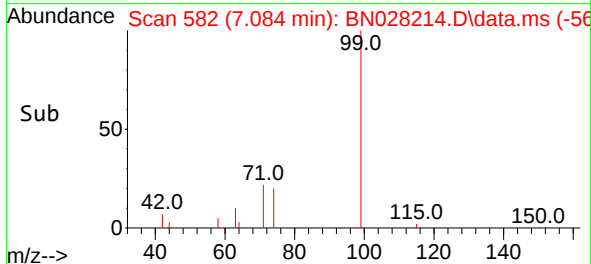
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



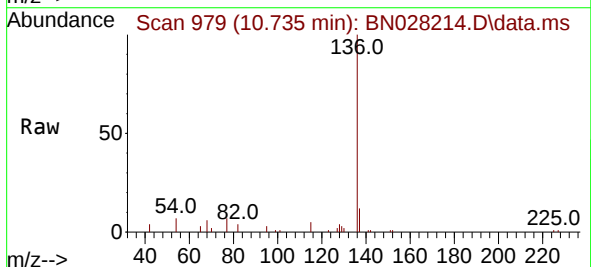
Tgt Ion: 99 Resp: 2738
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 35.2 28.3 42.5

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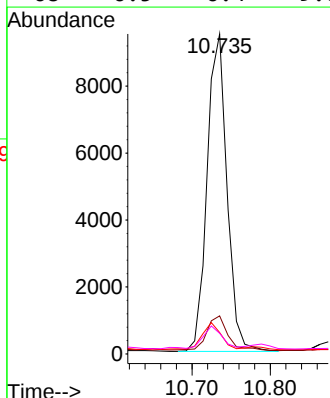
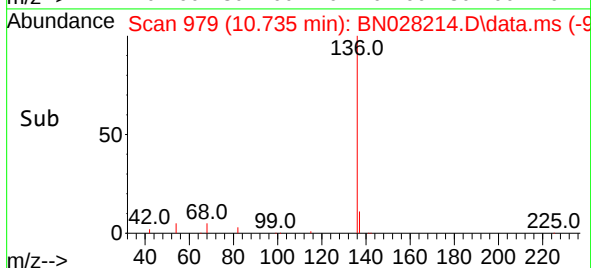
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22



Tgt Ion:136 Resp: 16703
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 6.7 7.0 10.6#
68 6.5 6.4 9.6





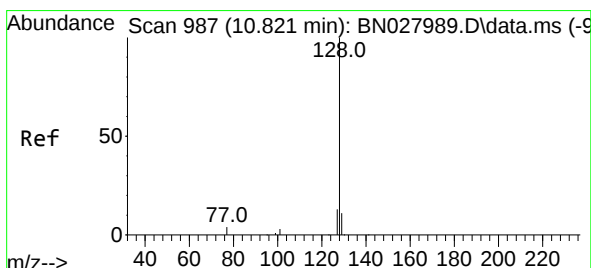
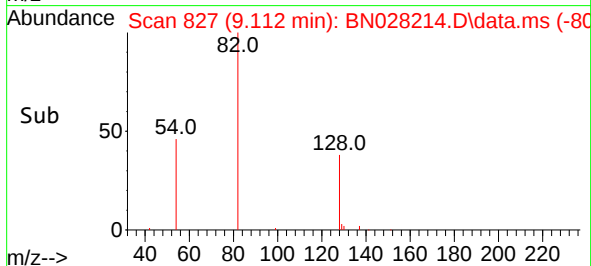
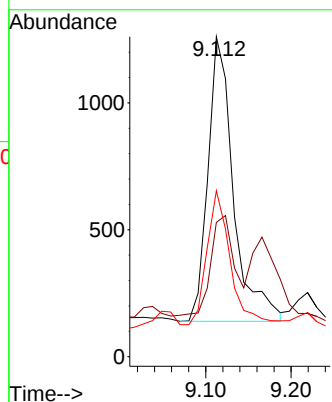
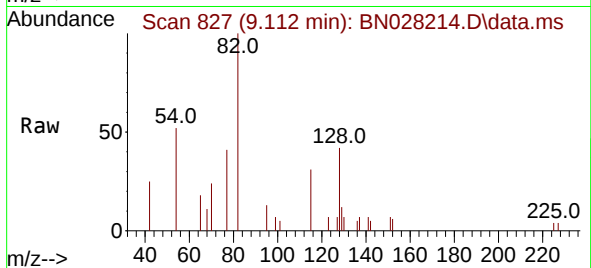
#8
Nitrobenzene-d5
Concen: 0.164 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

Tgt Ion: 82 Resp: 232
Ion Ratio Lower Upper
82 100
128 42.0 32.7 49.1
54 51.9 38.7 58.1

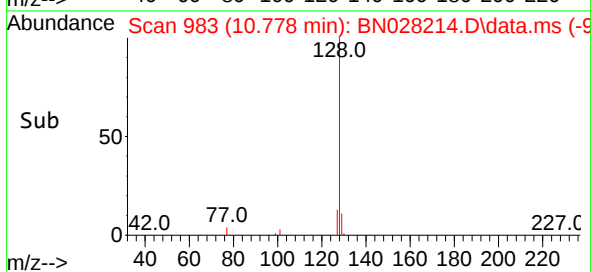
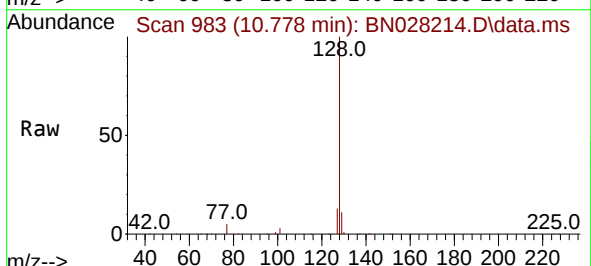
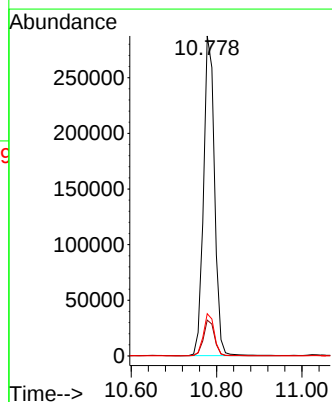
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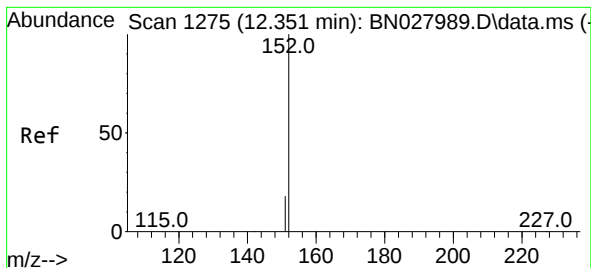
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 11.896 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

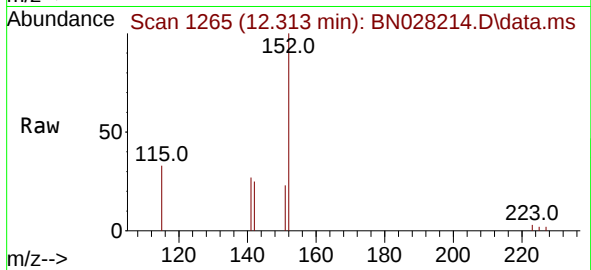
Tgt Ion:128 Resp: 513416
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.2 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.136 ng
RT: 12.313 min Scan# 1265
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

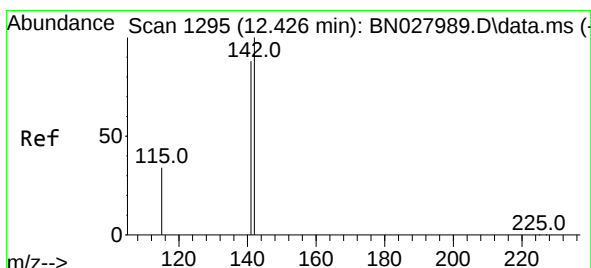
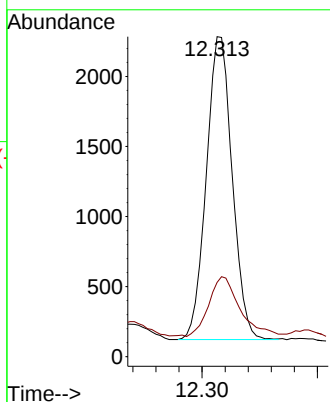
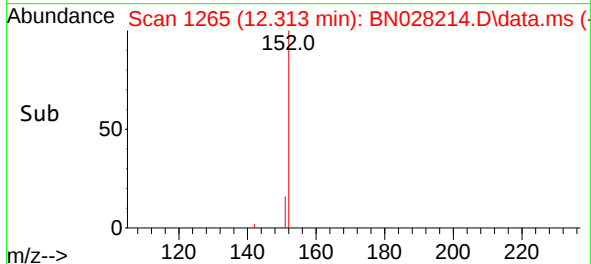
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



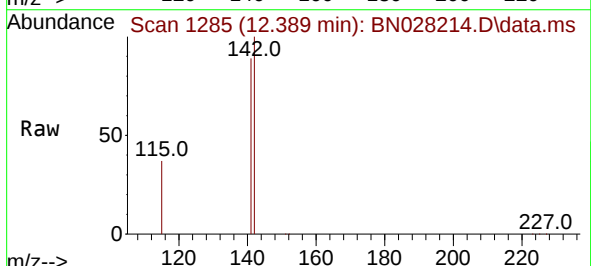
Tgt Ion:152 Resp: 3368
Ion Ratio Lower Upper
152 100
151 24.0 16.5 24.7

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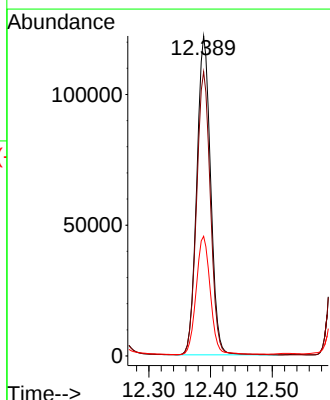
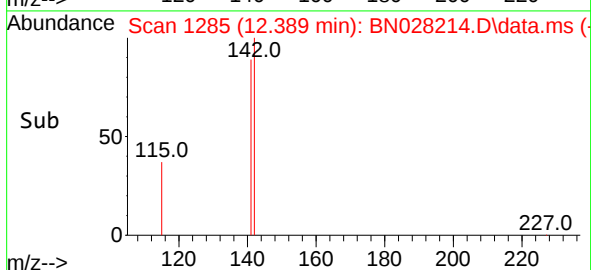
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

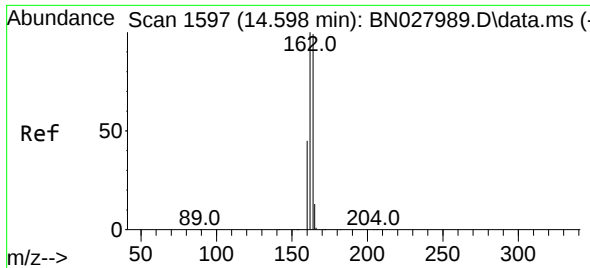


#12
2-Methylnaphthalene
Concen: 6.259 ng
RT: 12.389 min Scan# 1285
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22



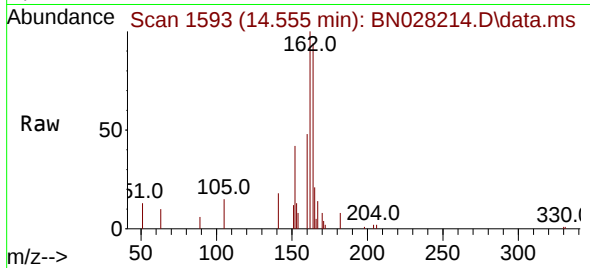
Tgt Ion:142 Resp: 188946
Ion Ratio Lower Upper
142 100
141 88.8 70.7 106.1
115 37.4 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

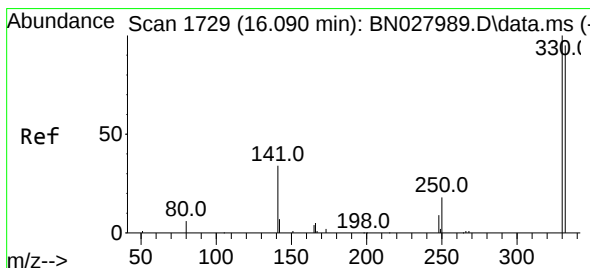
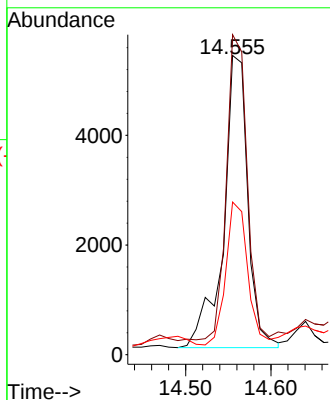
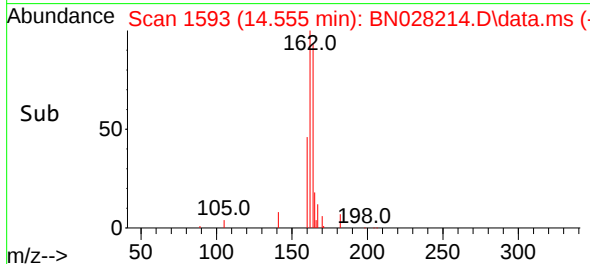
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



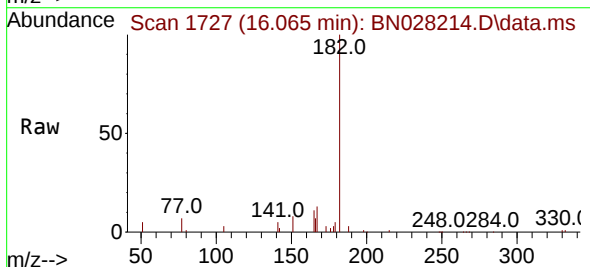
Tgt Ion:164 Resp: 1053
Ion Ratio Lower Upper
164 100
162 106.9 80.8 121.2
160 51.0 36.4 54.6

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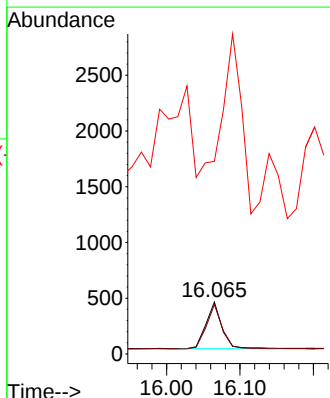
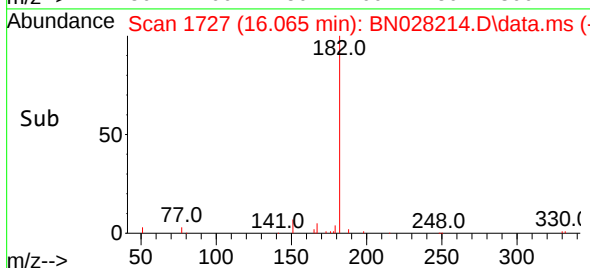
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

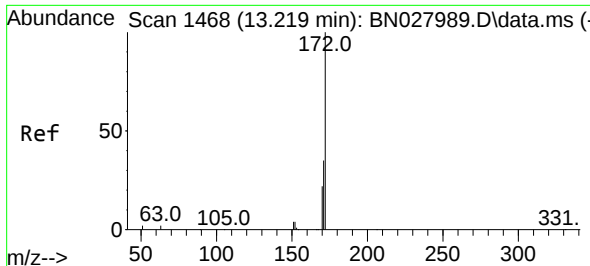


#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22



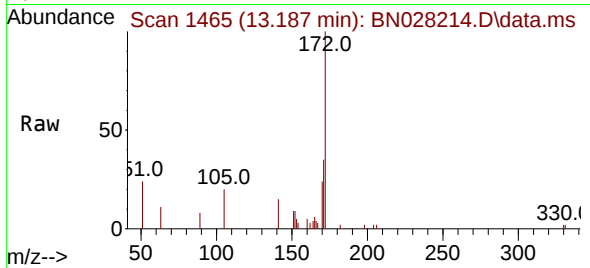
Tgt Ion:330 Resp: 624
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.126 ng
RT: 13.187 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

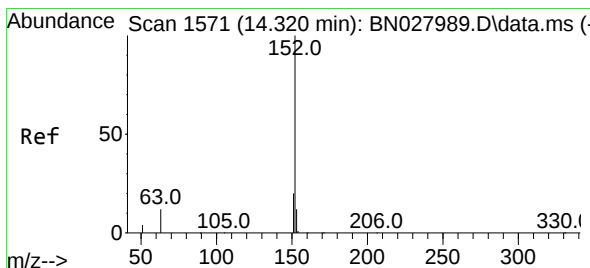
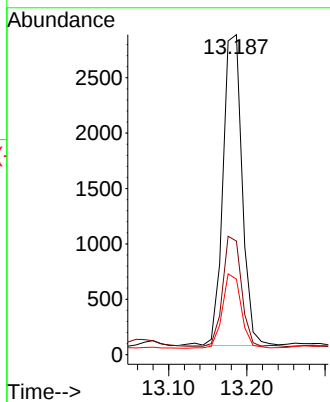
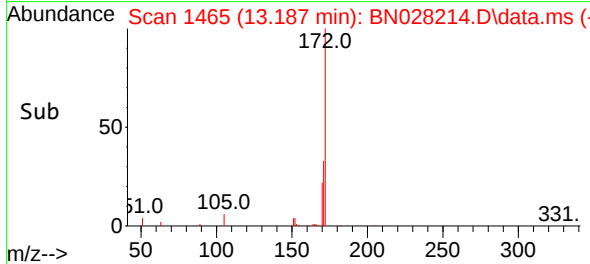
Instrument :
BNA_N
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S-1(0-5)



Tgt Ion:172 Resp: 4788
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.6 18.4 27.6

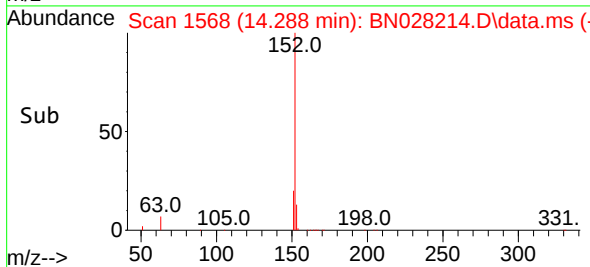
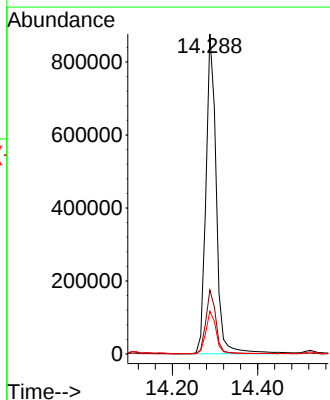
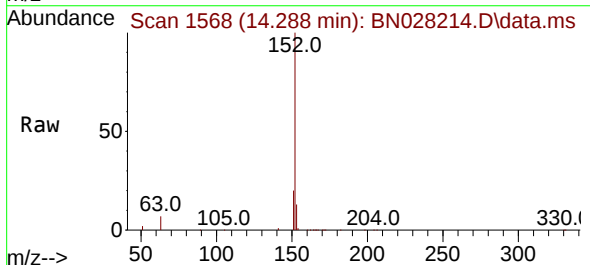
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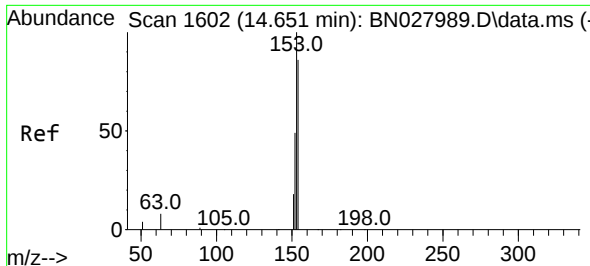
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 31.417 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

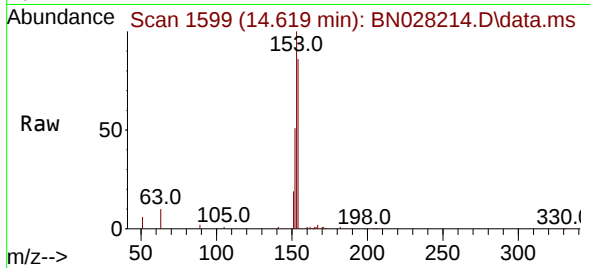
Tgt Ion:152 Resp: 1465926
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.3 10.2 15.4





#17
Acenaphthene
Concen: 3.714 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

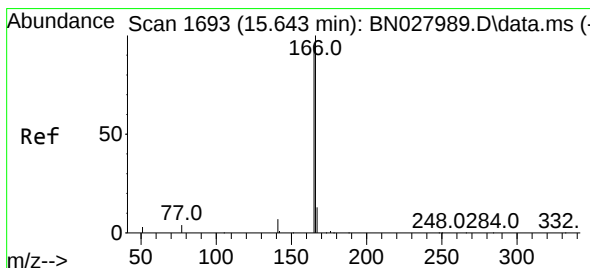
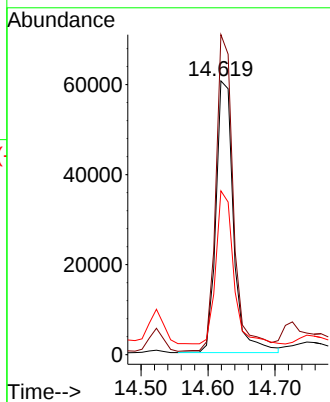
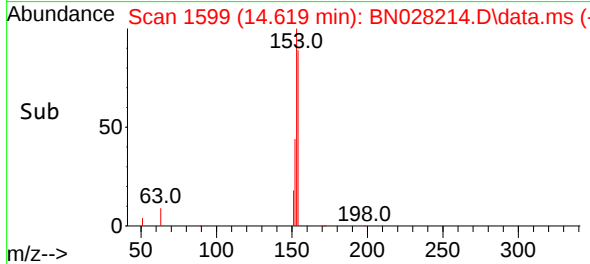
Instrument :
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S-1(0-5)



Tgt Ion:154 Resp: 110484
Ion Ratio Lower Upper
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153 115.7 90.8 136.2
152 56.0 43.9 65.9

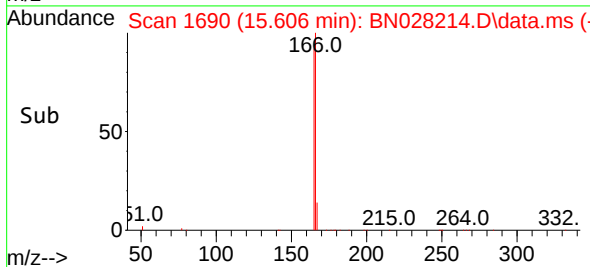
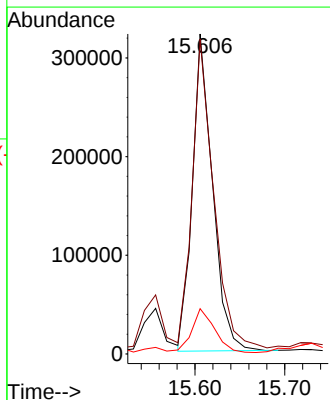
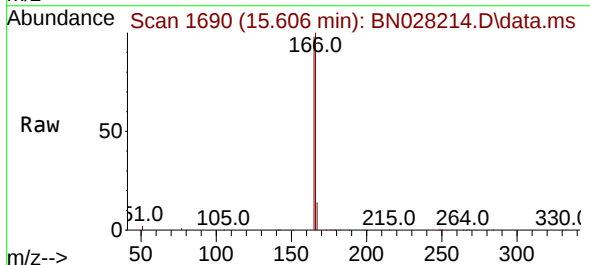
Manual Integrations
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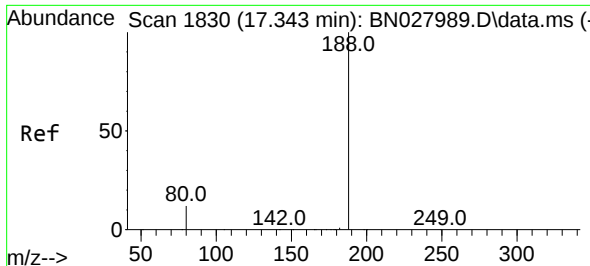
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 13.001 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:166 Resp: 502232
Ion Ratio Lower Upper
166 100
165 103.1 77.8 116.8
167 17.2 10.7 16.1#





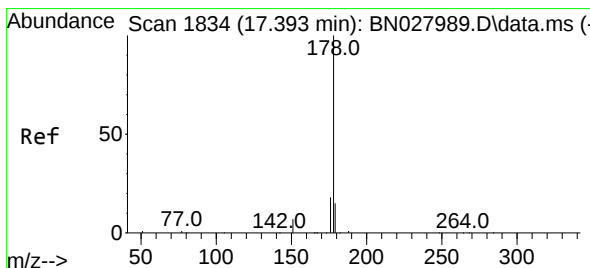
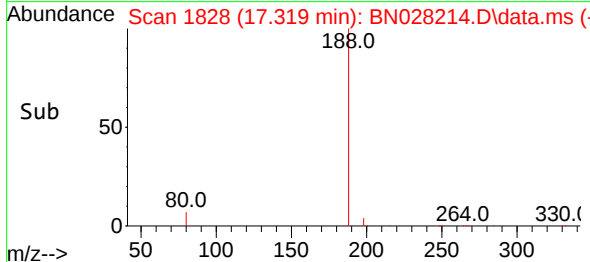
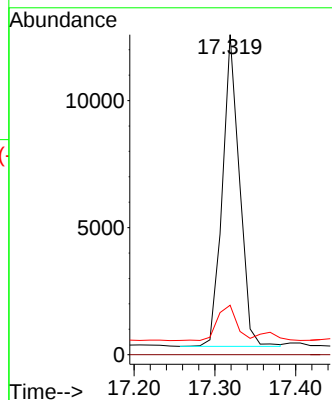
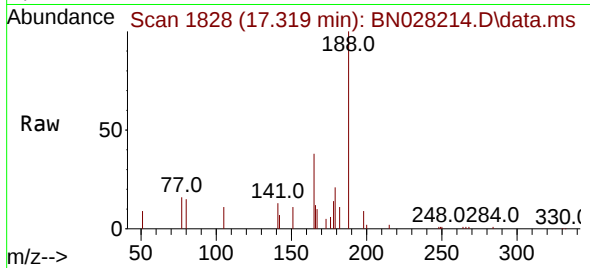
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

Tgt Ion:188 Resp: 18024
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.5 10.2 15.4

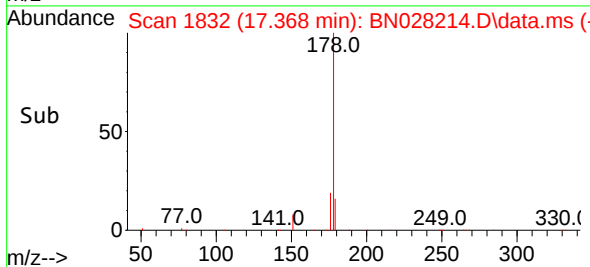
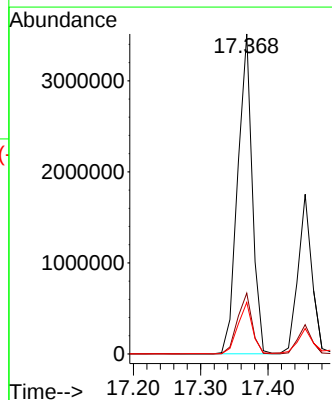
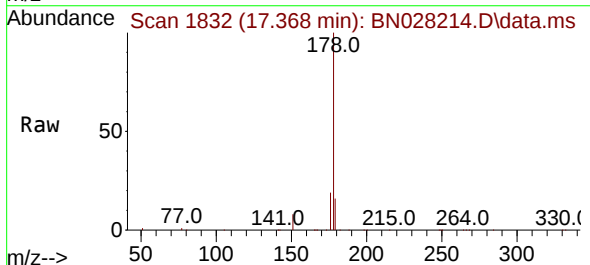
Manual Integrations
APPROVED

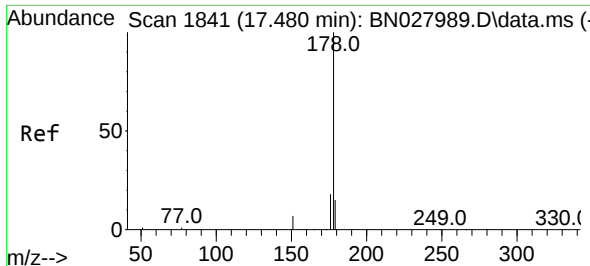
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 108.486 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

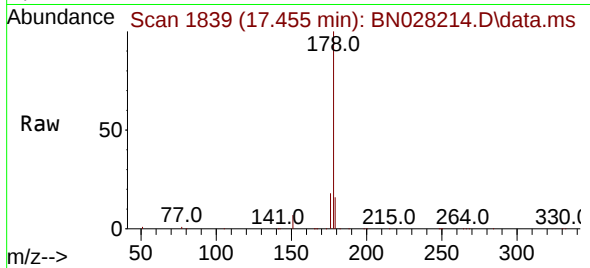
Tgt Ion:178 Resp: 5271584
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.1 12.4 18.6





#26
 Anthracene
 Concen: 54.744 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

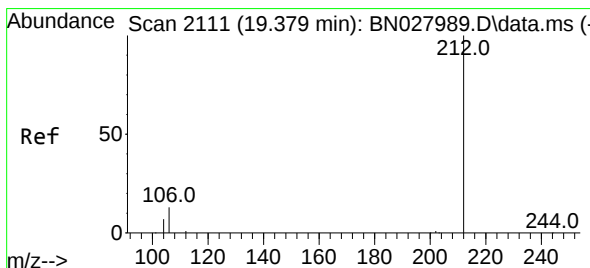
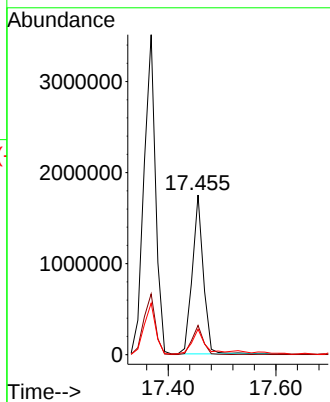
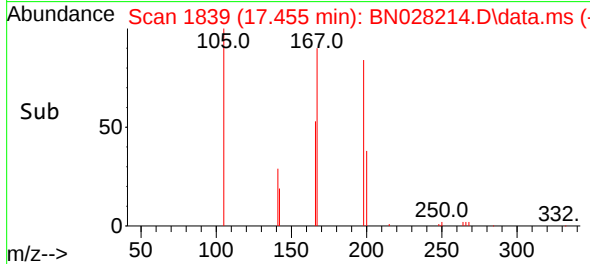
Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)



Tgt Ion:178 Resp: 251436
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 17.9 12.2 18.2

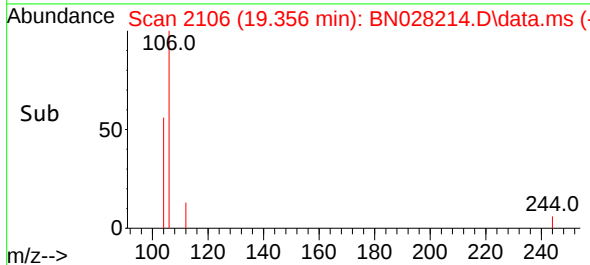
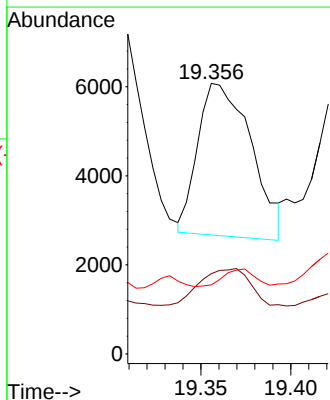
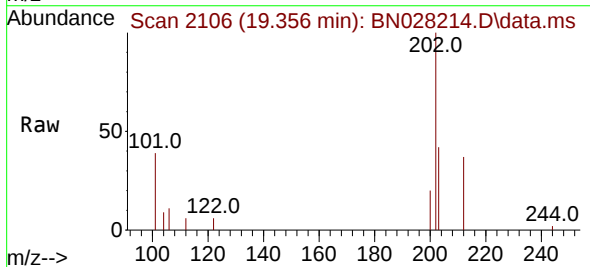
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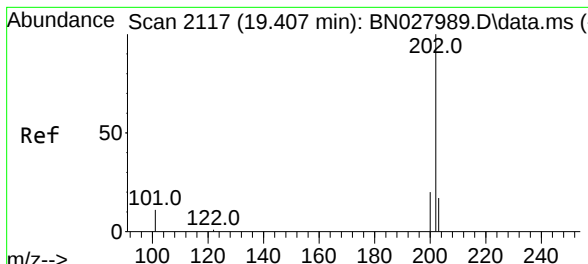
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.156 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

Tgt Ion:212 Resp: 7059
 Ion Ratio Lower Upper
 212 100
 106 23.1 11.3 16.9#
 104 7.1 6.4 9.6





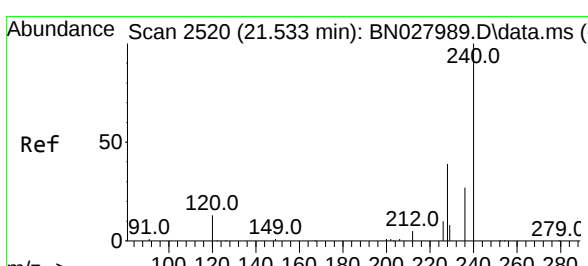
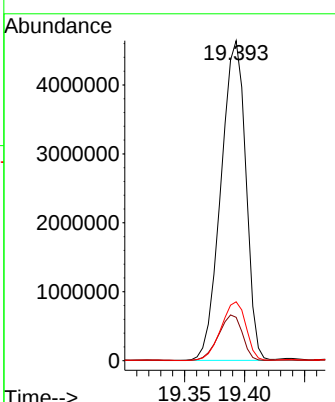
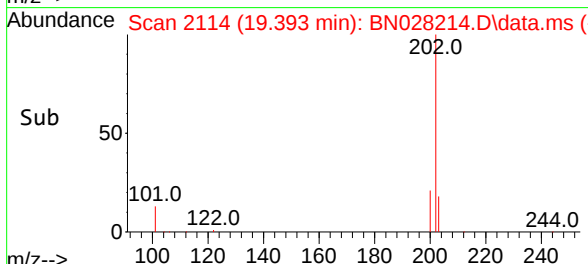
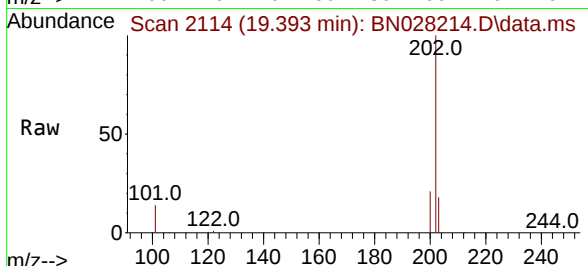
#28
 Fluoranthene
 Concen: 119.420 ng
 RT: 19.393 min Scan# 2114
 Delta R.T. 0.009 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)

Tgt Ion: 202 Resp: 669695

Ion	Ratio	Lower	Upper
202	100		
101	13.8	9.8	14.6
203	18.4	13.8	20.8

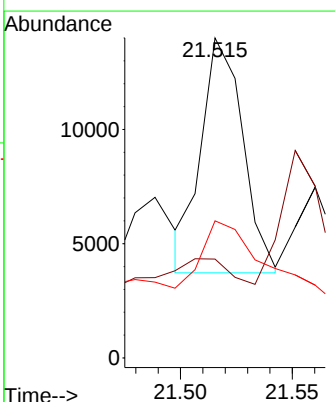
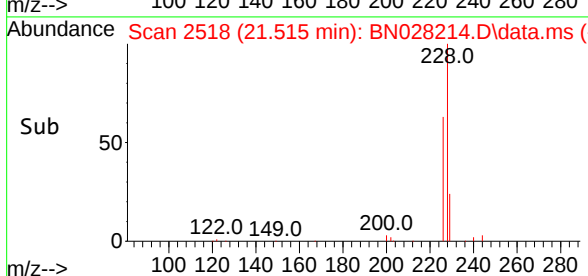
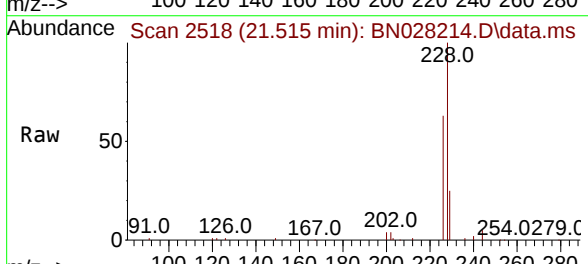
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 Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

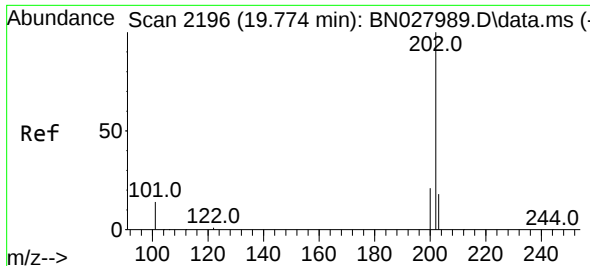


#29
 Chrysene-d12
 Concen: 0.400 ng m
 RT: 21.515 min Scan# 2518
 Delta R.T. -0.000 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

Tgt Ion: 240 Resp: 13276

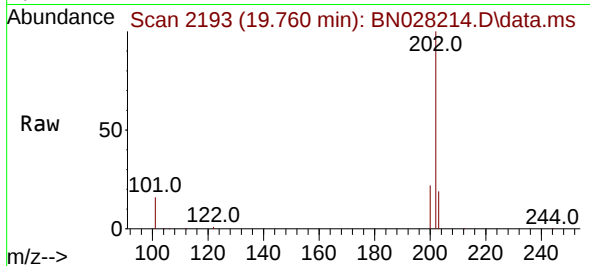
Ion	Ratio	Lower	Upper
240	100		
120	30.9	13.8	20.6#
236	42.9	22.6	33.8#





#30
Pyrene
Concen: 144.334 ng
RT: 19.760 min Scan# 2196
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

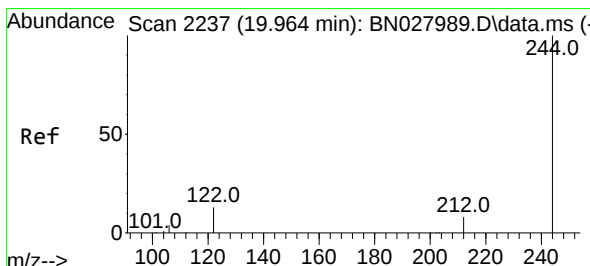
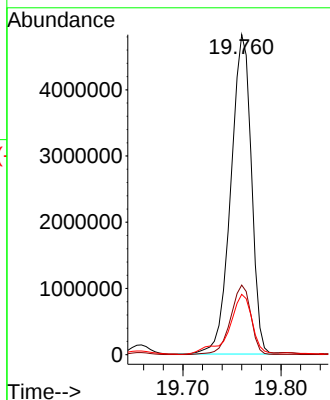
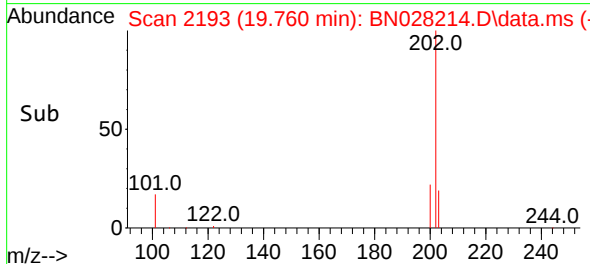
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



Tgt Ion:202 Resp: 702643
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 21.0 14.7 22.1

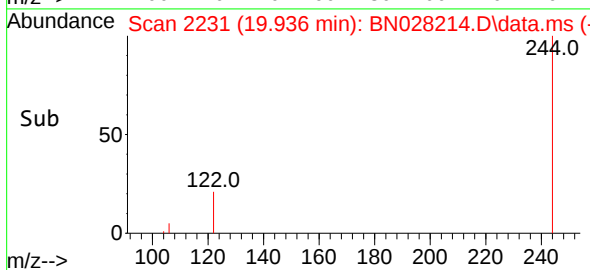
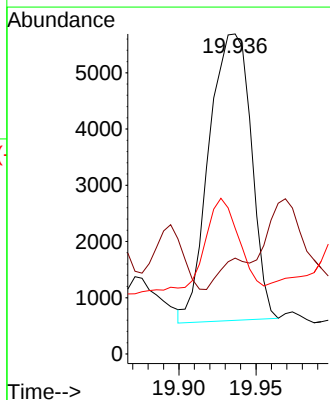
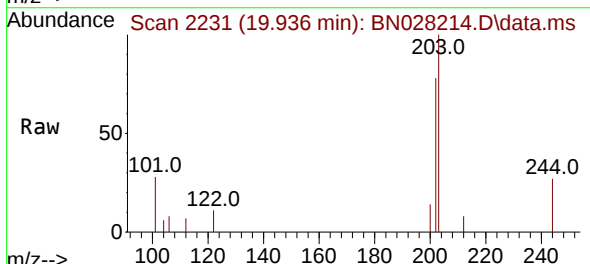
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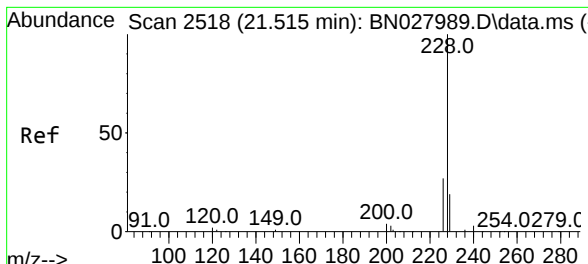
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.312 ng
RT: 19.936 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:244 Resp: 9672
Ion Ratio Lower Upper
244 100
212 29.9 6.6 9.8#
122 39.3 11.4 17.0#





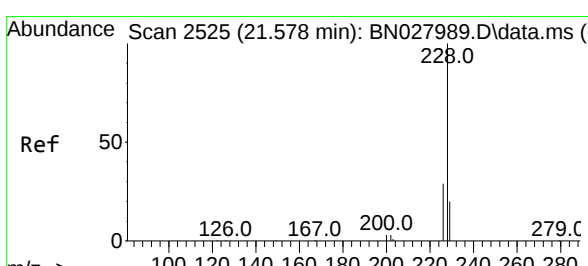
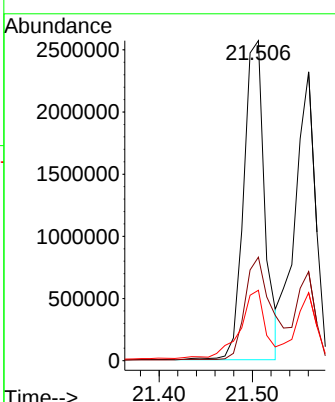
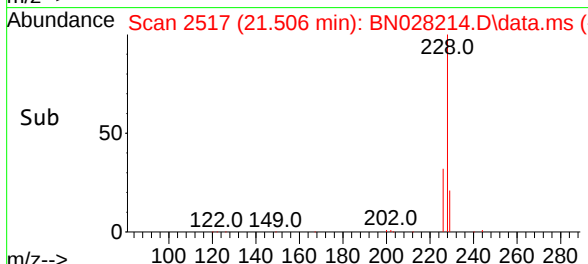
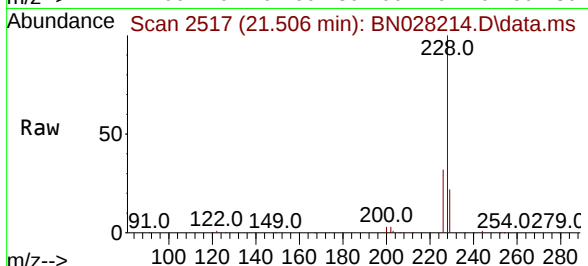
#32
Benzo(a)anthracene
Concen: 89.652 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Instrument : BNA_N
ClientSampleId : S-1(0-5)

Tgt Ion:228 Resp: 4050084

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.0	33.0
229	22.0	16.0	24.0

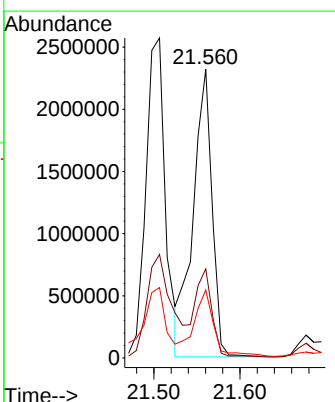
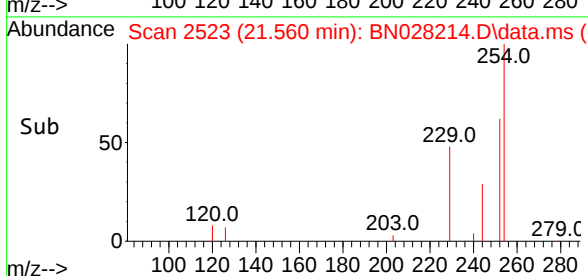
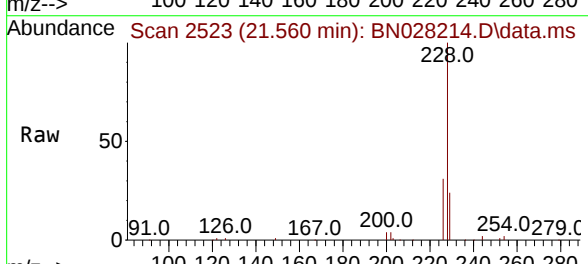
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Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

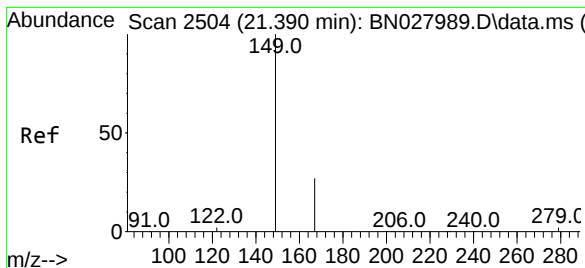


#33
Chrysene
Concen: 81.503 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:228 Resp: 3548321

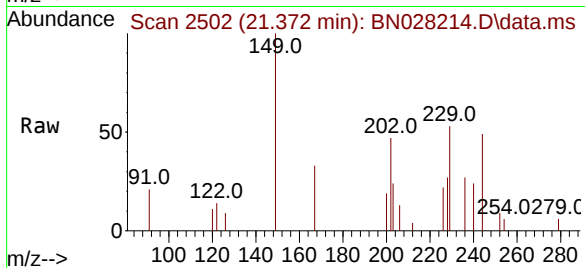
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.8
229	23.6	16.6	25.0





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.030 ng
 RT: 21.372 min Scan# 21372
 Delta R.T. 0.009 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

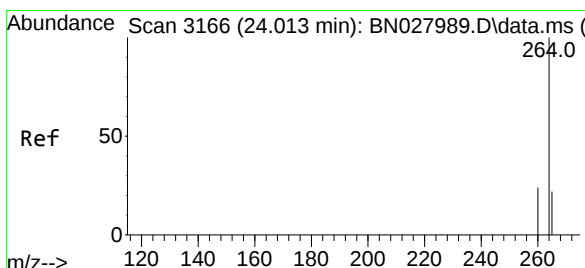
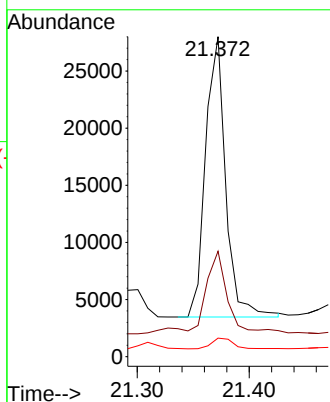
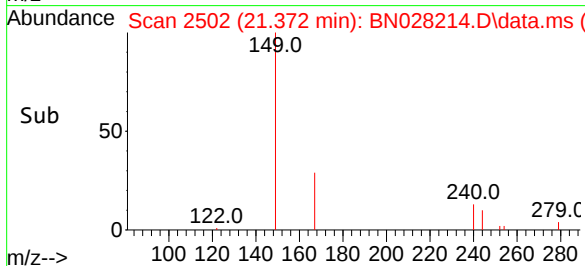
Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)



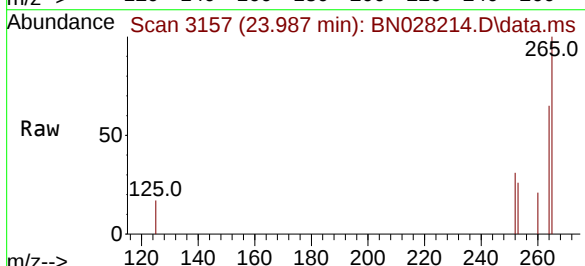
Tgt Ion:149 Resp: 30604
 Ion Ratio Lower Upper
 149 100
 167 33.8 22.1 33.1#
 279 4.2 3.4 5.0#

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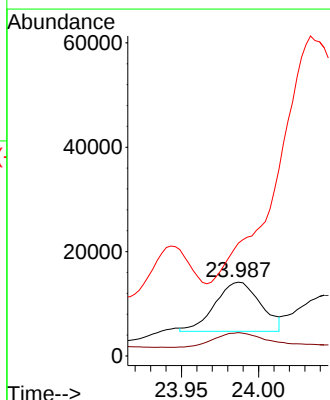
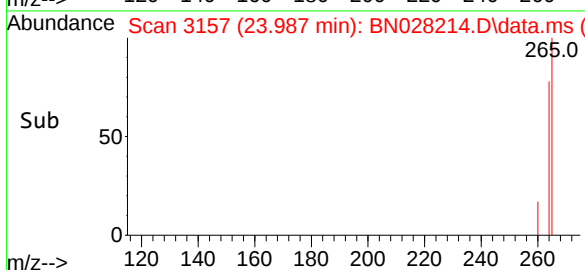
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

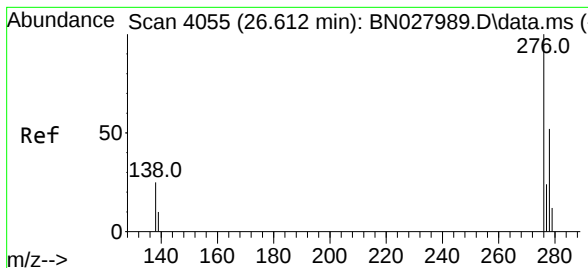


#35
 Perylene-d12
 Concen: 0.400 ng m
 RT: 23.987 min Scan# 3157
 Delta R.T. 0.012 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22



Tgt Ion:264 Resp: 19389
 Ion Ratio Lower Upper
 264 100
 260 31.7 20.2 30.4#
 265 152.8 54.8 82.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 34.131 ng

RT: 26.589 min Scan# 4055

Delta R.T. 0.032 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

Tgt Ion:276 Resp: 222595

Ion Ratio Lower Upper

276 100

138 23.7 20.9 31.3

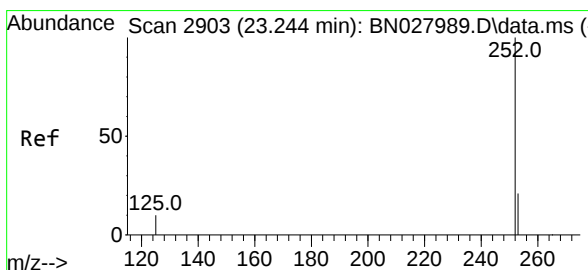
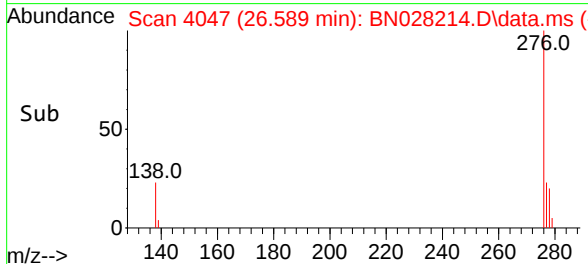
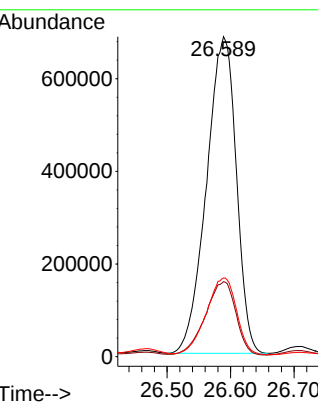
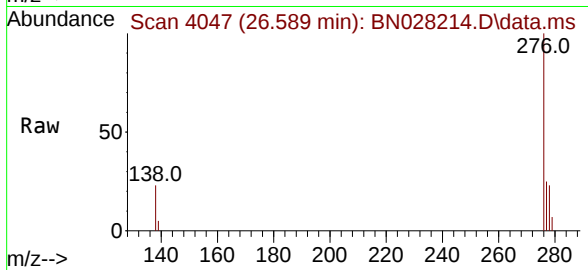
277 24.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#37

Benzo(b)fluoranthene

Concen: 68.463 ng

RT: 23.230 min Scan# 2898

Delta R.T. 0.018 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

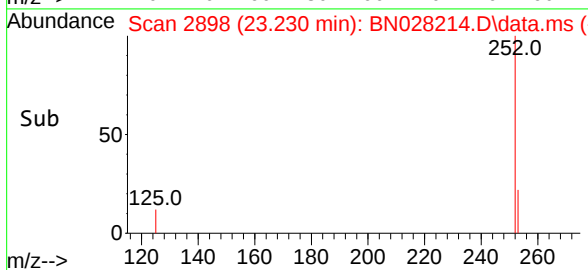
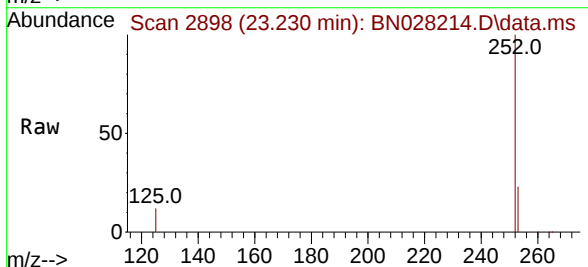
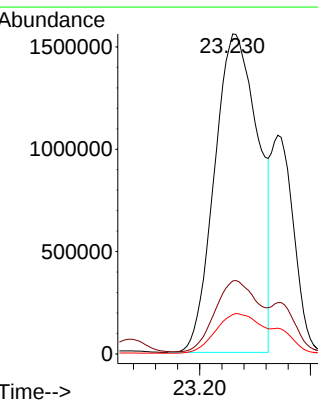
Tgt Ion:252 Resp: 4287112

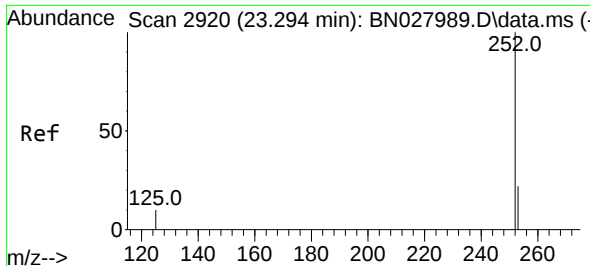
Ion Ratio Lower Upper

252 100

253 22.8 22.9 34.3#

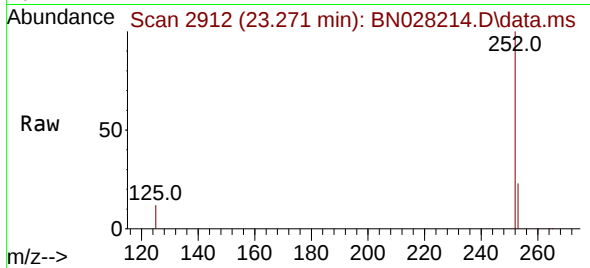
125 12.3 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 24.039 ng m
RT: 23.271 min Scan# 2912
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

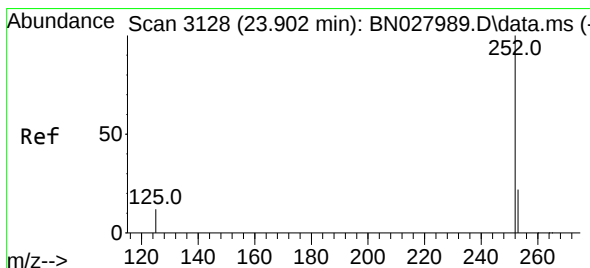
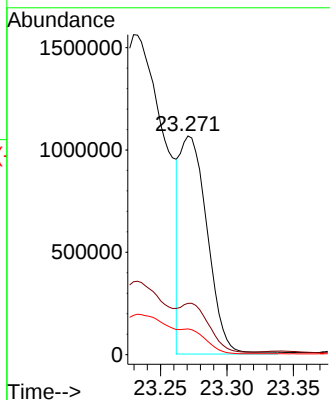
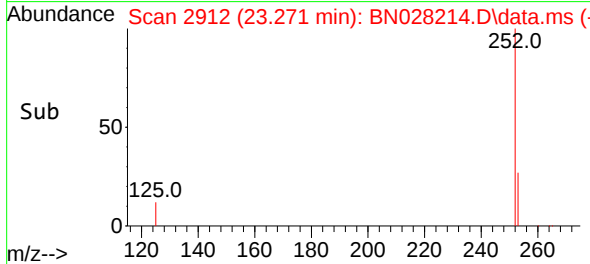
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



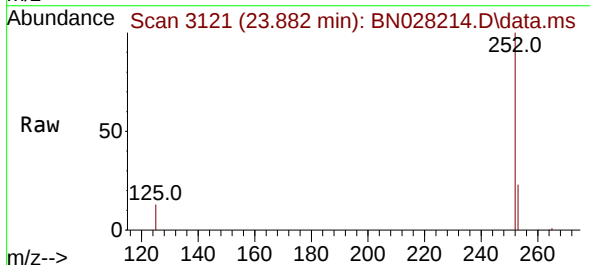
Tgt Ion:252 Resp: 152682
Ion Ratio Lower Upper
252 100
253 23.5 23.1 34.7
125 11.8 13.8 20.8

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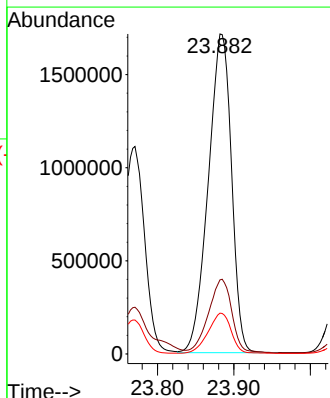
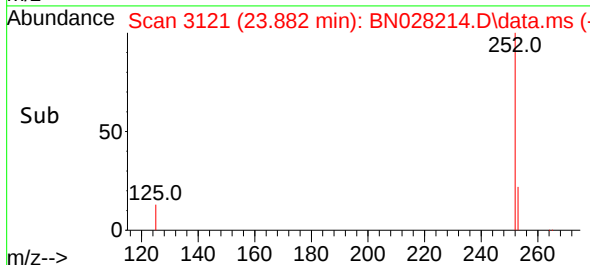
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

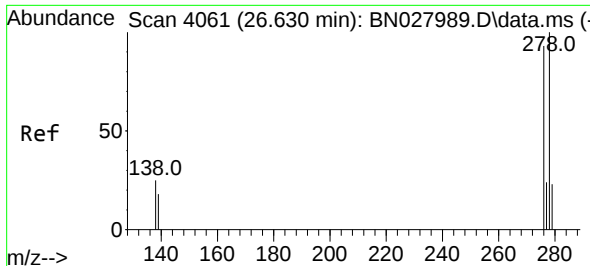


#39
Benzo(a)pyrene
Concen: 61.024 ng m
RT: 23.882 min Scan# 3121
Delta R.T. 0.018 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22



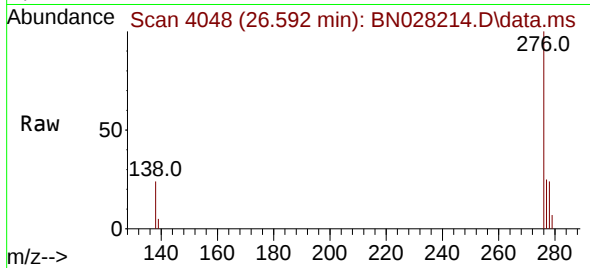
Tgt Ion:252 Resp: 3613316
Ion Ratio Lower Upper
252 100
253 23.2 25.0 37.4#
125 12.8 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 11.943 ng
RT: 26.592 min Scan# 4061
Delta R.T. 0.015 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

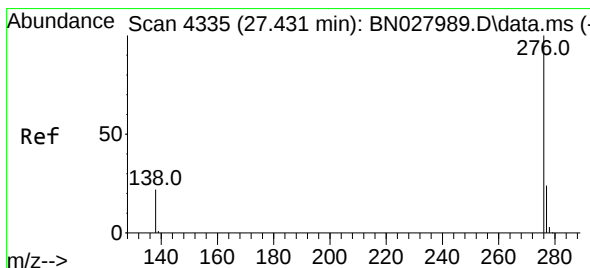
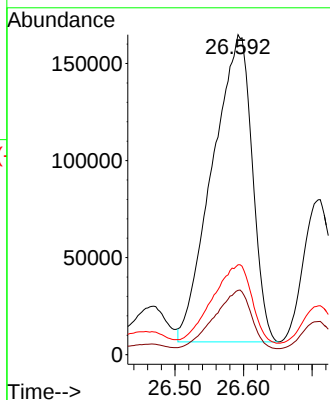
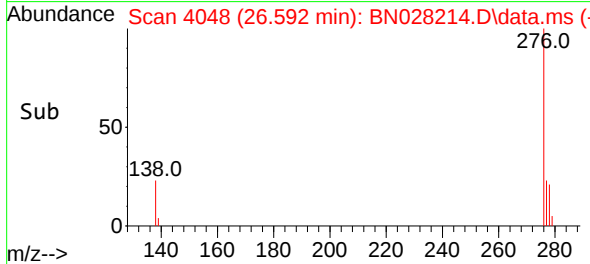
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)



Tgt Ion:278 Resp: 637164
Ion Ratio Lower Upper
278 100
139 20.1 17.7 26.5
279 28.1 25.2 37.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 40.258 ng
RT: 27.408 min Scan# 4327
Delta R.T. 0.041 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:276 Resp: 2204609
Ion Ratio Lower Upper
276 100
277 24.4 22.1 33.1
138 24.2 20.8 31.2

