

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028226.D
 Acq On : 11 Oct 2023 09:34
 Operator : MA/JU
 Sample : 04767-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 10:57:56 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	3637	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11503	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6437	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12346	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11706	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	14884	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2406	0.222	ng	0.00
5) Phenol-d6	7.091	99	3171	0.232	ng	0.00
8) Nitrobenzene-d5	9.123	82	2687	0.274	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4245	0.249	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	352	0.119	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5944	0.256	ng	0.00
27) Fluoranthene-d10	19.356	212	8103	0.261	ng	0.00
31) Terphenyl-d14	19.941	244	7679	0.281	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.789	128	105864	3.562	ng	98
12) 2-Methylnaphthalene	12.392	142	39577	1.904	ng	99
16) Acenaphthylene	14.288	152	166171	5.827	ng	99
17) Acenaphthene	14.630	154	39042	2.148	ng	99
18) Fluorene	15.606	166	117438	4.974	ng	93
25) Phenanthrene	17.368	178	850328	25.547	ng	99
26) Anthracene	17.455	178	311704	9.908	ng	97
28) Fluoranthene	19.388	202	1177268	30.648	ng	98
30) Pyrene	19.755	202	1096507	25.545	ng	99
32) Benzo(a)anthracene	21.498	228	655863	16.465	ng	98
33) Chrysene	21.560	228	557965	14.535	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	23191	0.885	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.589	276	415208	8.293	ng	97
37) Benzo(b)fluoranthene	23.230	252	773201	16.085	ng	# 90
38) Benzo(k)fluoranthene	23.274	252	262574m	5.385	ng	
39) Benzo(a)pyrene	23.879	252	638288m	14.043	ng	
40) Dibenzo(a,h)anthracene	26.595	278	112055	2.736	ng	# 92
41) Benzo(g,h,i)perylene	27.402	276	414164	9.852	ng	96

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

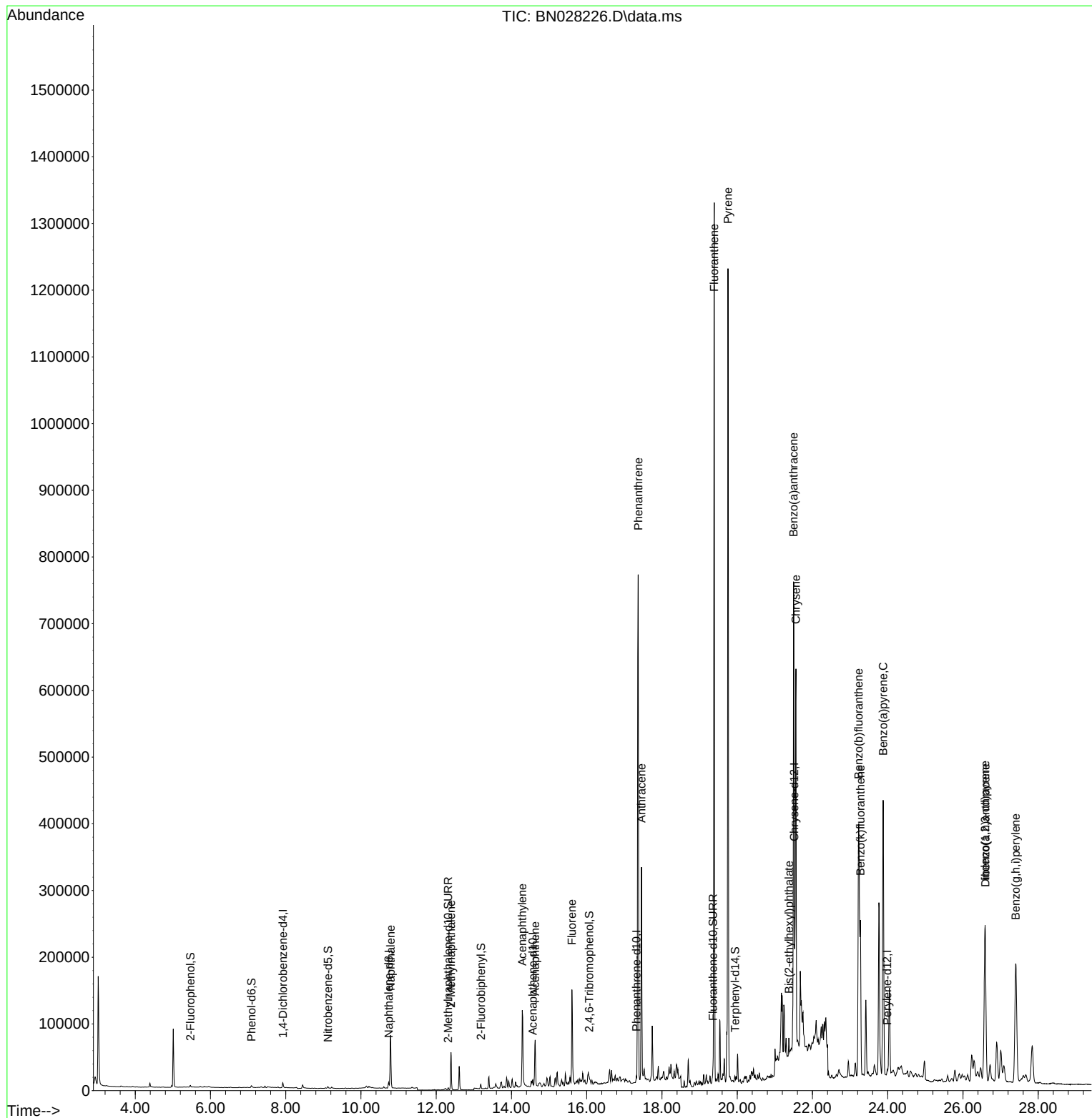
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028226.D
Acq On : 11 Oct 2023 09:34
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ALS Vial : 34 Sample Multiplier: 1

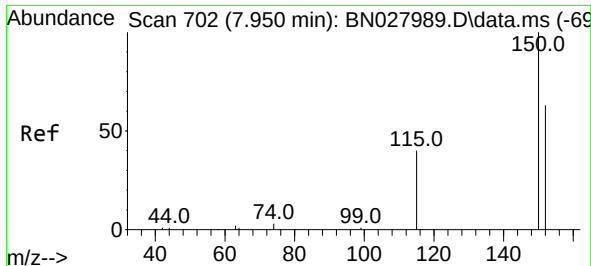
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)

Quant Time: Oct 11 10:57:56 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

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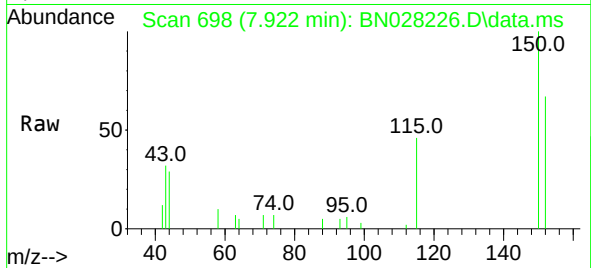
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

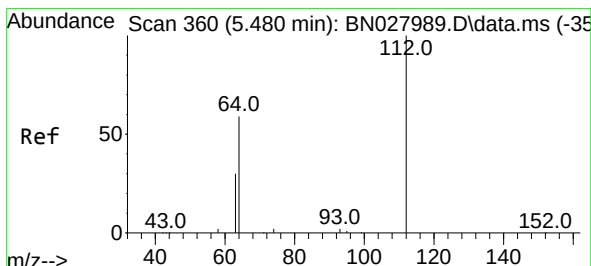
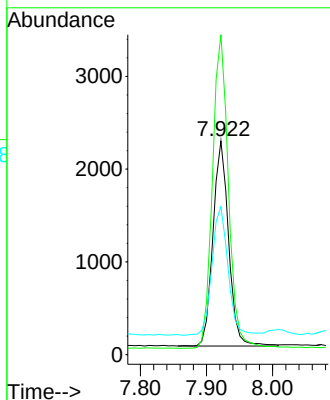
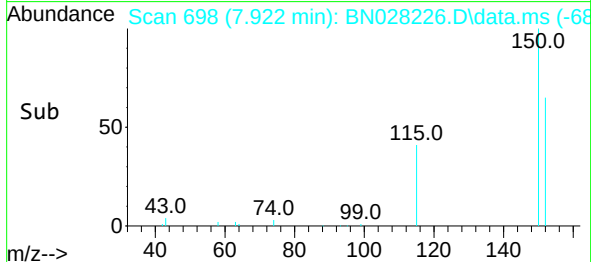
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



Tgt Ion:152 Resp: 363
Ion Ratio Lower Upper
152 100
150 149.7 125.6 188.4
115 69.2 54.8 82.2

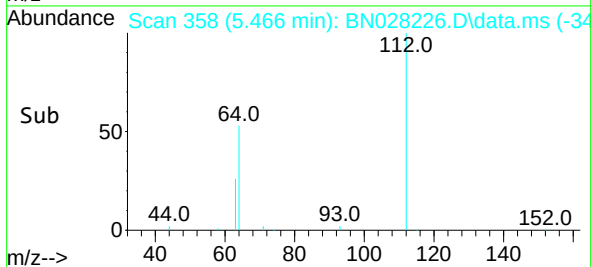
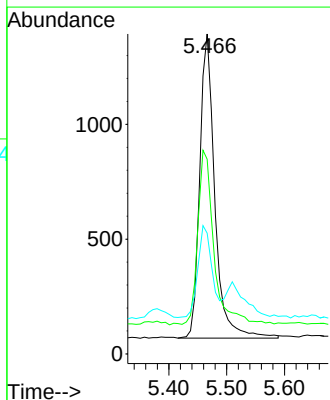
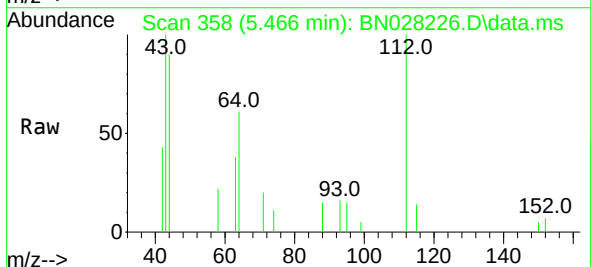
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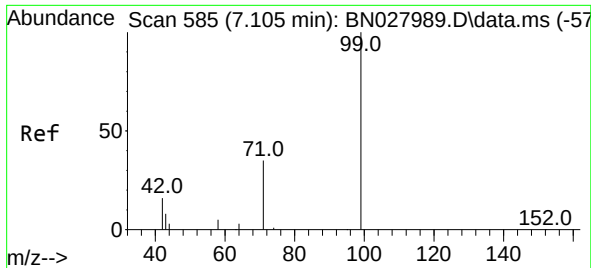
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.222 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

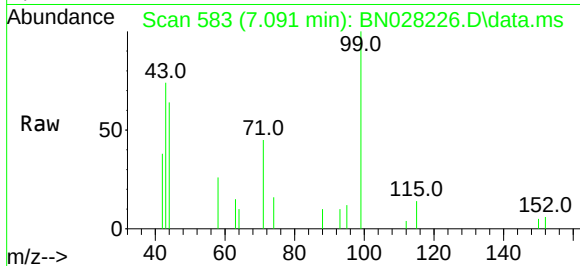
Tgt Ion:112 Resp: 2406
Ion Ratio Lower Upper
112 100
64 60.1 45.0 67.6
63 28.1 23.4 35.0





#5
Phenol-d6
Concen: 0.232 ng
RT: 7.091 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

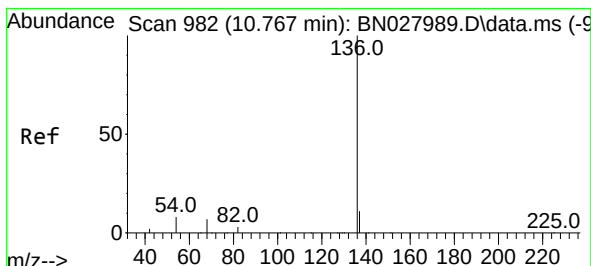
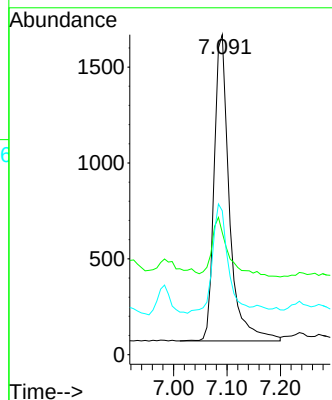
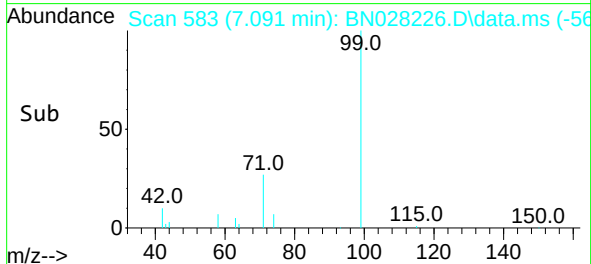
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



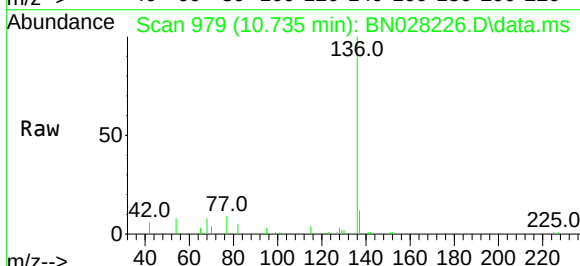
Tgt Ion: 99 Resp: 317
Ion Ratio Lower Upper
99 100
42 21.2 14.6 22.0
71 36.6 28.3 42.5

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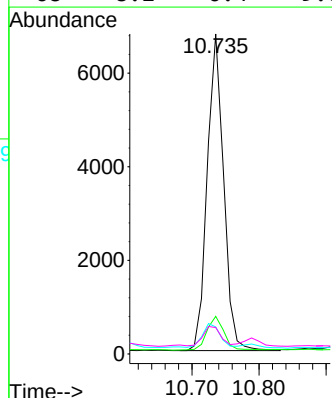
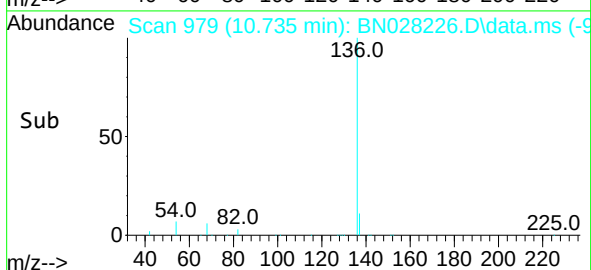
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

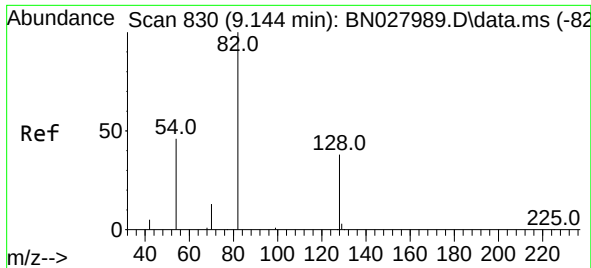


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



Tgt Ion:136 Resp: 11503
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 8.4 7.0 10.6
68 8.2 6.4 9.6





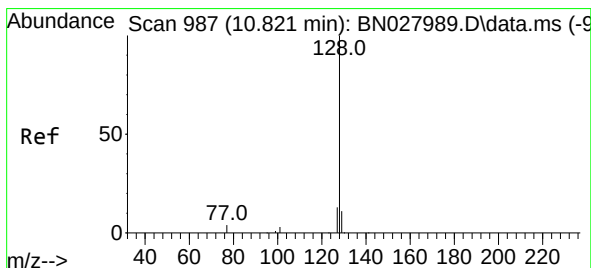
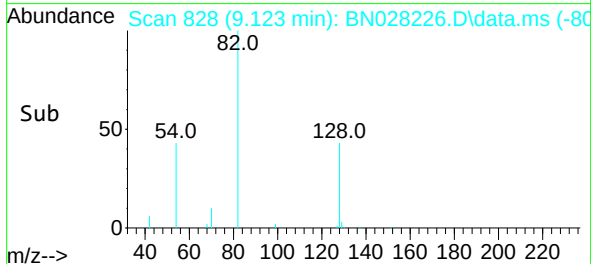
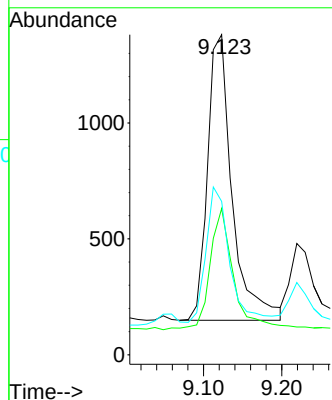
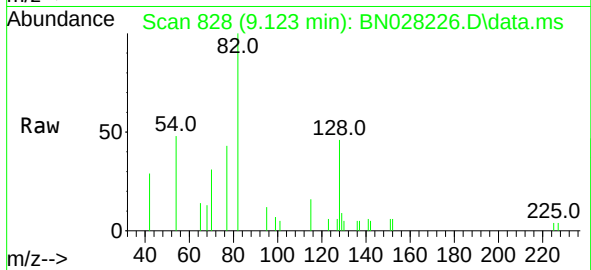
#8
Nitrobenzene-d5
Concen: 0.274 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

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

Tgt Ion: 82 Resp: 268
Ion Ratio Lower Upper
82 100
128 45.7 32.7 49.1
54 47.9 38.7 58.1

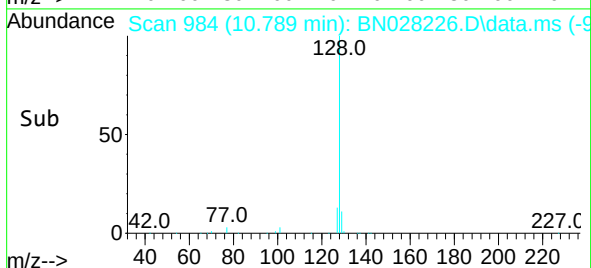
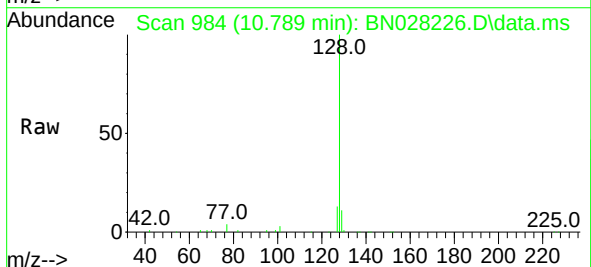
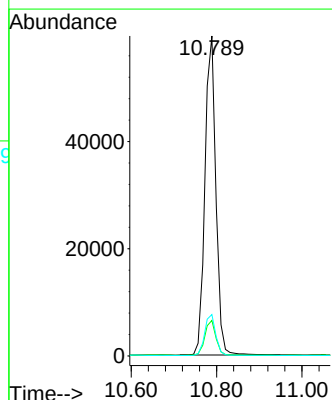
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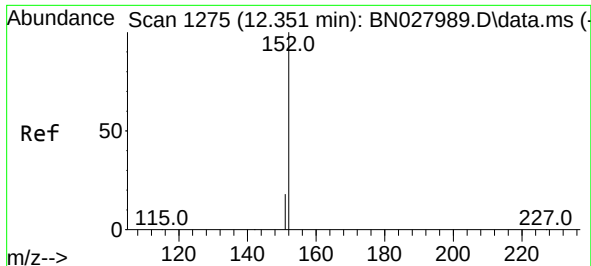
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 3.562 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

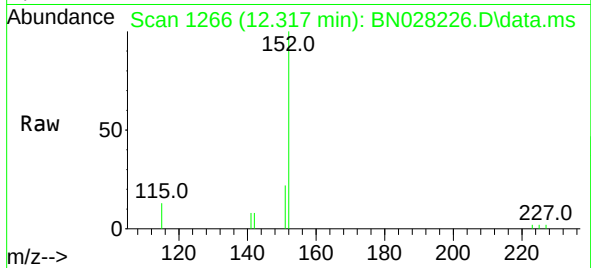
Tgt Ion:128 Resp: 105864
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.249 ng
RT: 12.317 min Scan# 1275
Delta R.T. -0.008 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

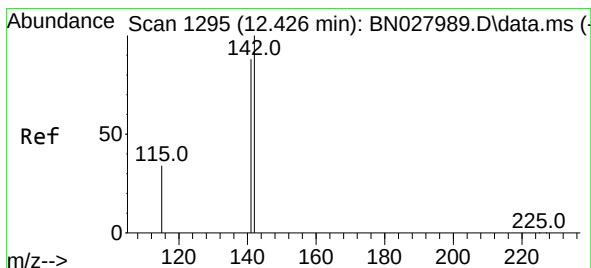
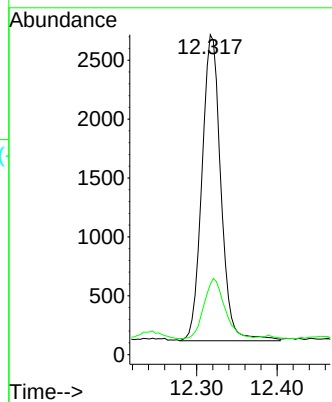
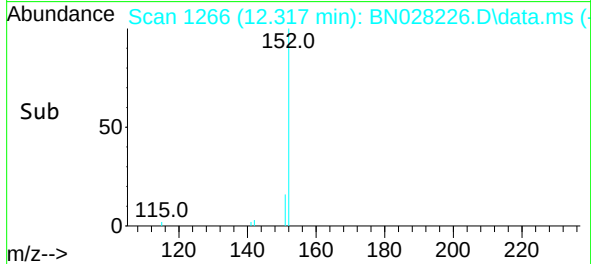
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



Tgt Ion:152 Resp: 4245
Ion Ratio Lower Upper
152 100
151 21.6 16.5 24.7

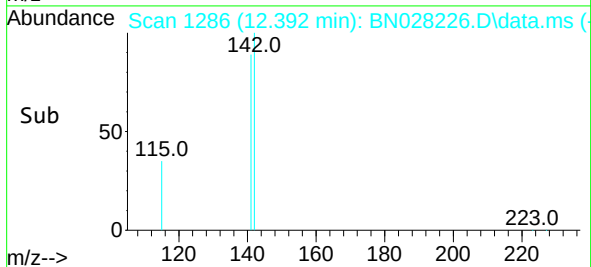
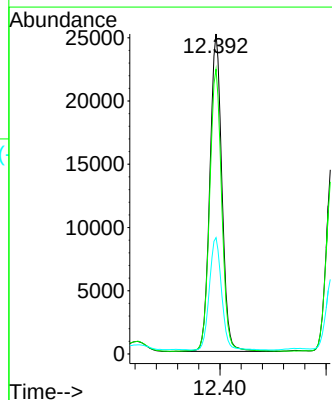
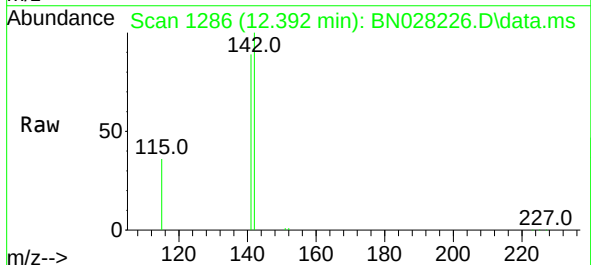
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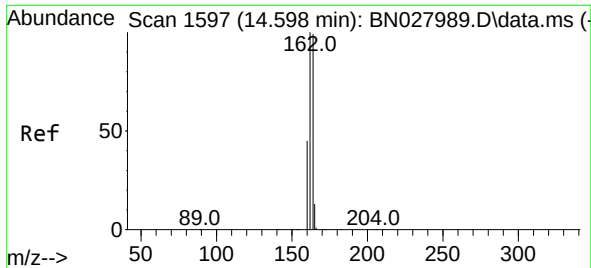
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 1.904 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

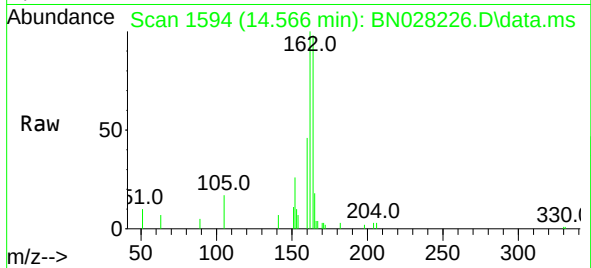
Tgt Ion:142 Resp: 39577
Ion Ratio Lower Upper
142 100
141 89.0 70.7 106.1
115 36.4 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

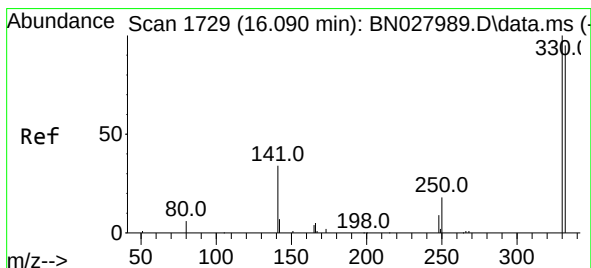
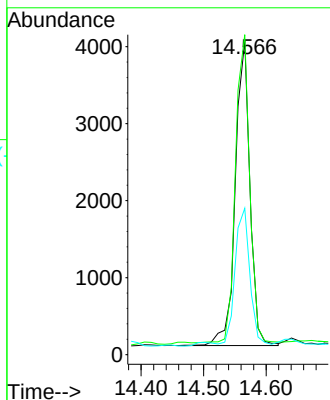
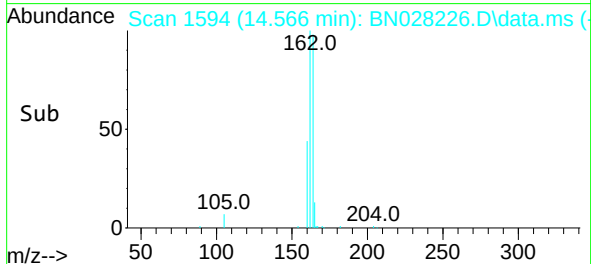
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



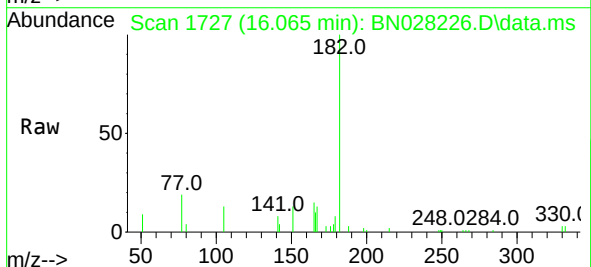
Tgt Ion:164 Resp: 643
Ion Ratio Lower Upper
164 100
162 102.0 80.8 121.2
160 46.7 36.4 54.6

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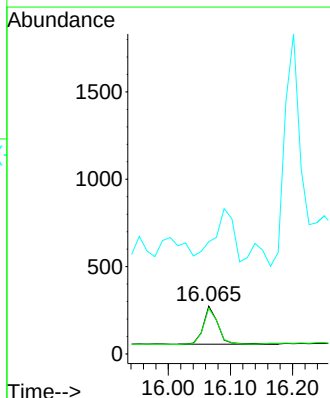
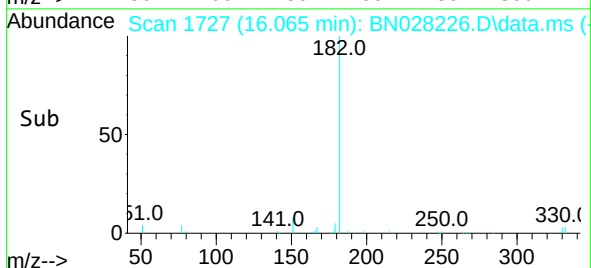
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

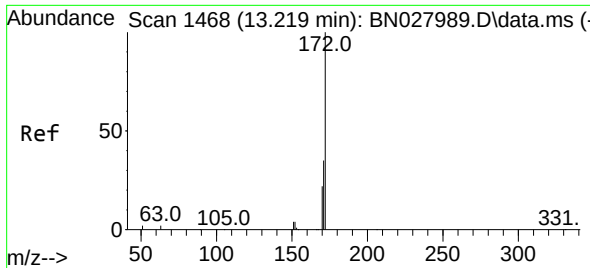


#14
2,4,6-Tribromophenol
Concen: 0.119 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



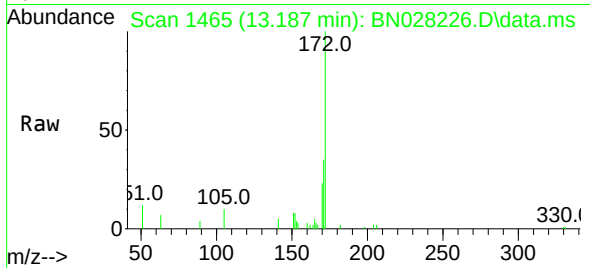
Tgt Ion:330 Resp: 352
Ion Ratio Lower Upper
330 100
332 98.0 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

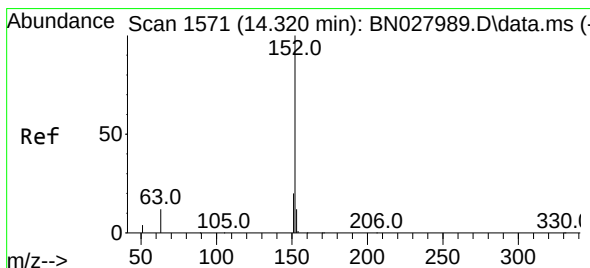
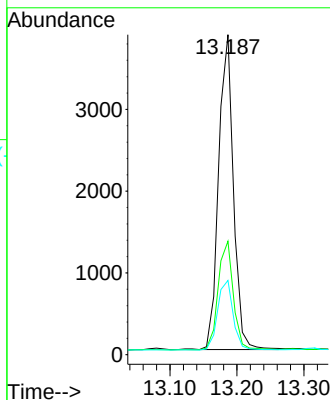
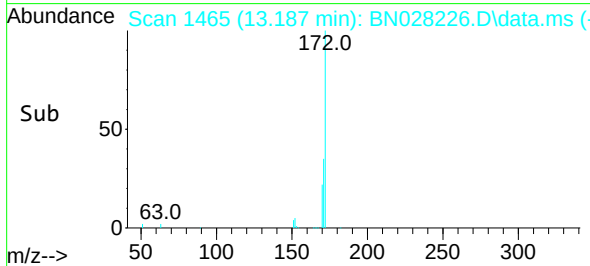
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



Tgt Ion:172 Resp: 5944
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.2 18.4 27.6

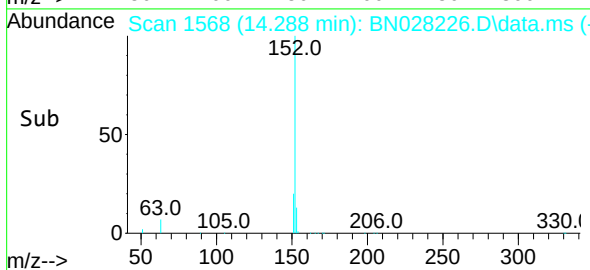
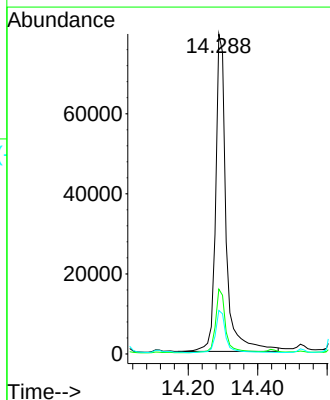
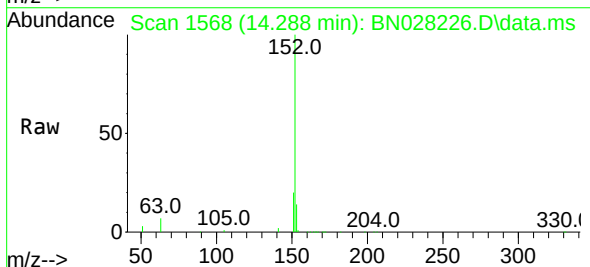
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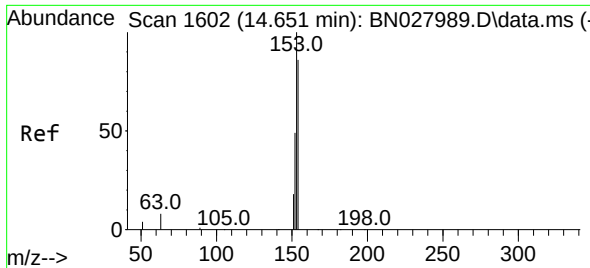
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 5.827 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

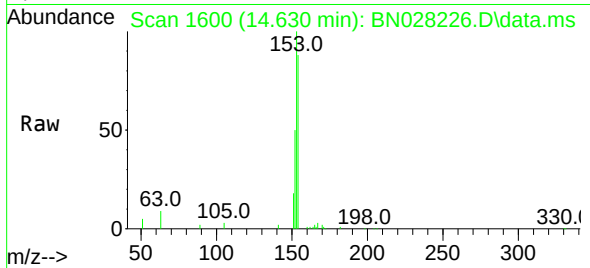
Tgt Ion:152 Resp: 166171
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 2.148 ng
RT: 14.630 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

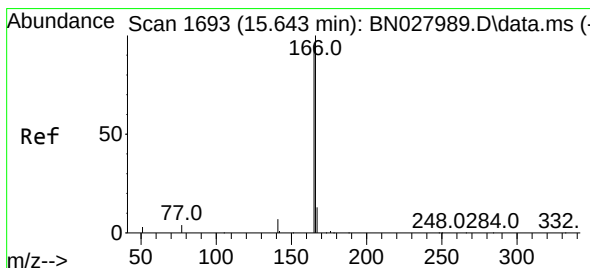
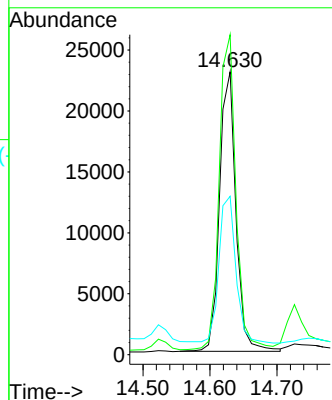
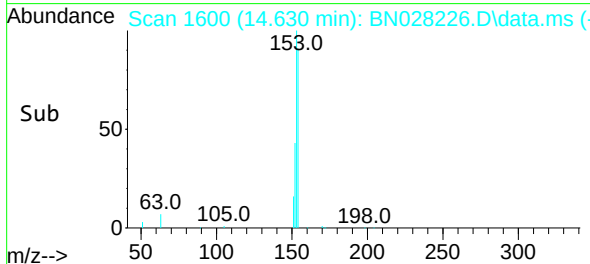
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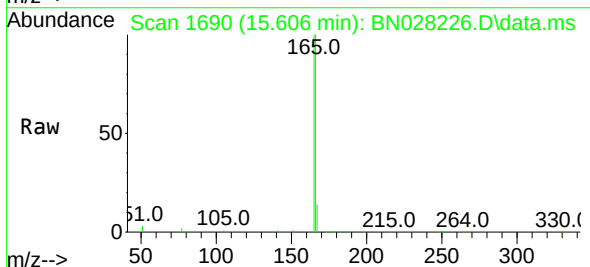
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Ion Ratio Lower Upper
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153 114.7 90.8 136.2
152 54.9 43.9 65.9

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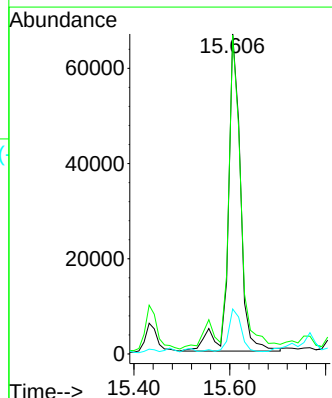
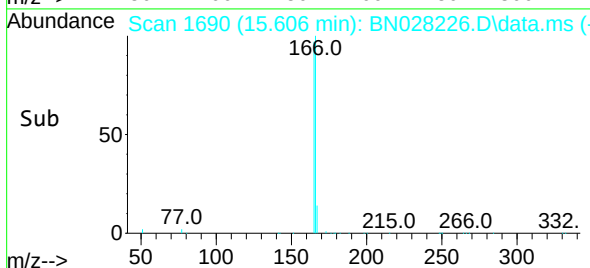
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

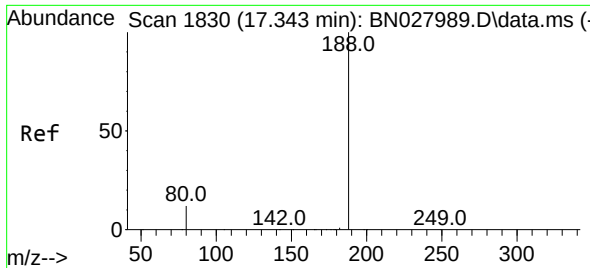


#18
Fluorene
Concen: 4.974 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



Tgt Ion:166 Resp: 117438
Ion Ratio Lower Upper
166 100
165 105.5 77.8 116.8
167 13.9 10.7 16.1





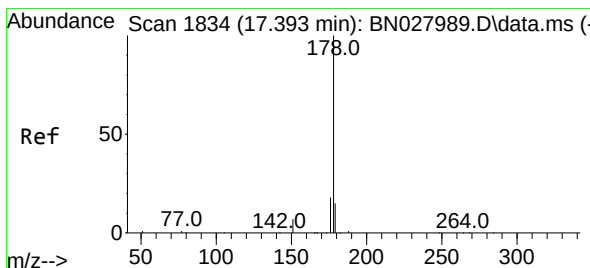
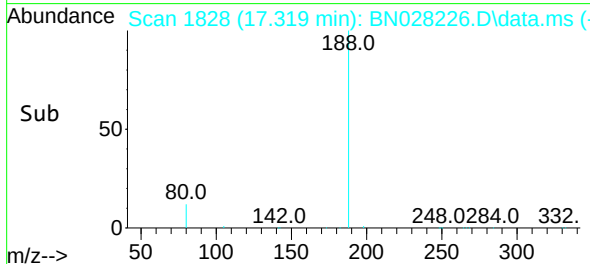
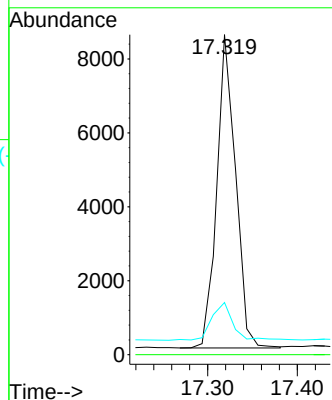
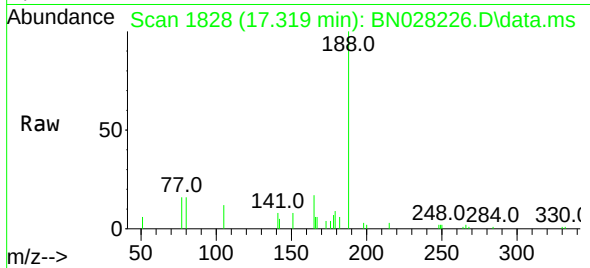
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

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

Tgt Ion:188 Resp: 12340
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.3 10.2 15.4

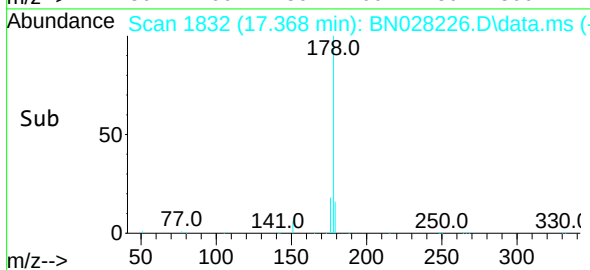
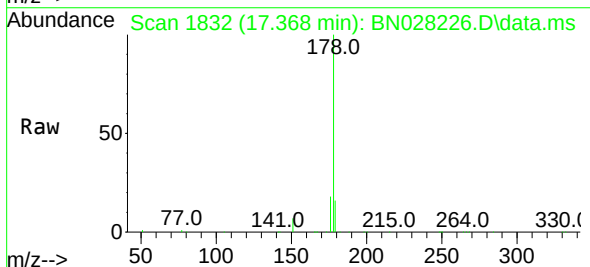
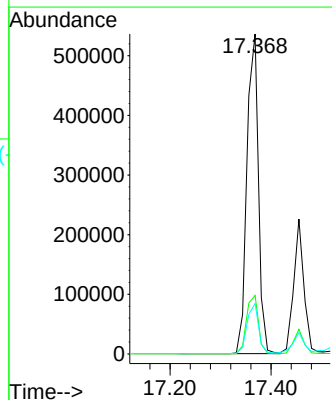
Manual Integrations
APPROVED

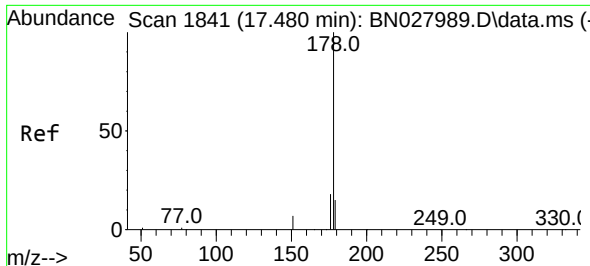
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 25.547 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

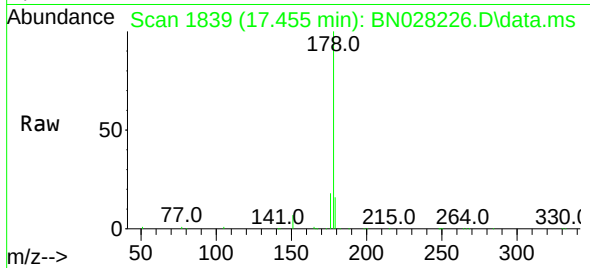
Tgt Ion:178 Resp: 850328
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.8 12.4 18.6





#26
 Anthracene
 Concen: 9.908 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34

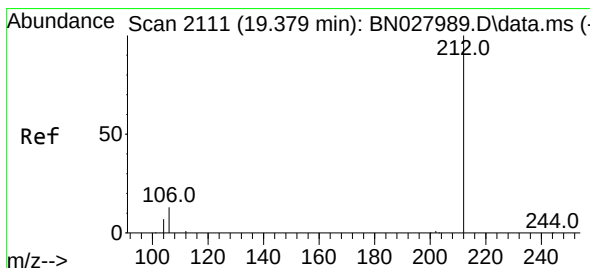
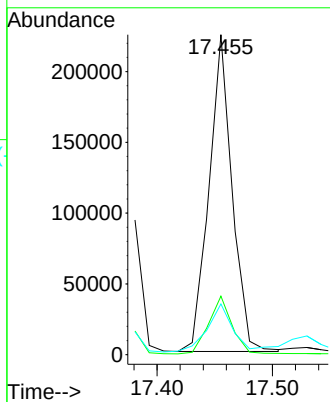
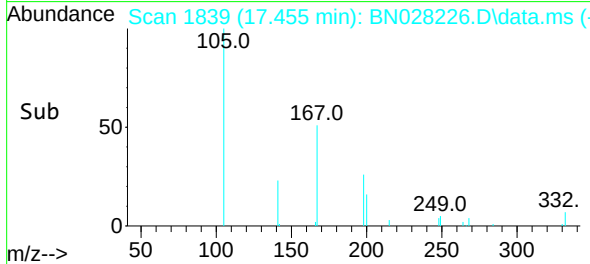
Instrument :
 BNA_N
 ClientSampleId :
 C-1(0-5)



Tgt Ion:178 Resp: 311704
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.7 22.1
 179 17.3 12.2 18.2

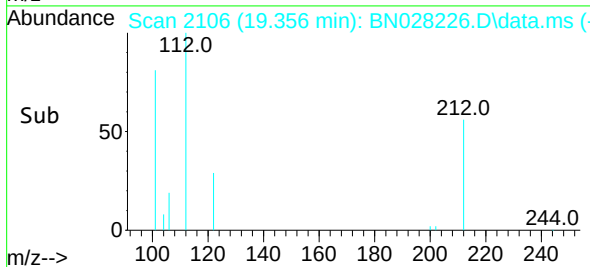
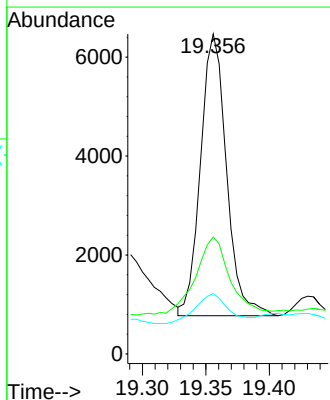
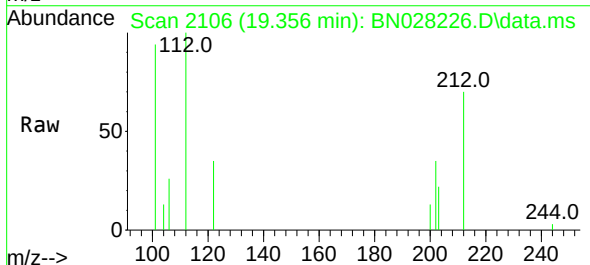
Manual Integrations
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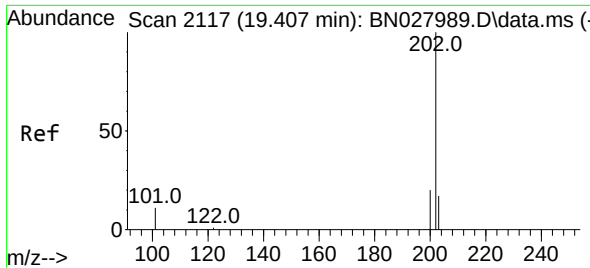
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.261 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34

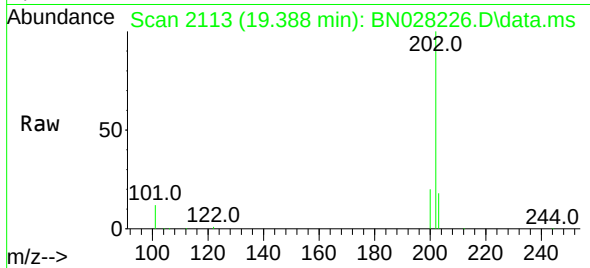
Tgt Ion:212 Resp: 8103
 Ion Ratio Lower Upper
 212 100
 106 43.0 11.3 16.9#
 104 13.4 6.4 9.6#





#28
Fluoranthene
Concen: 30.648 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

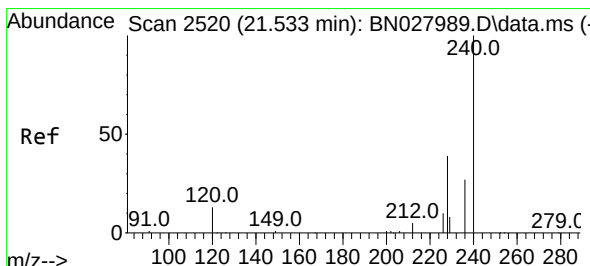
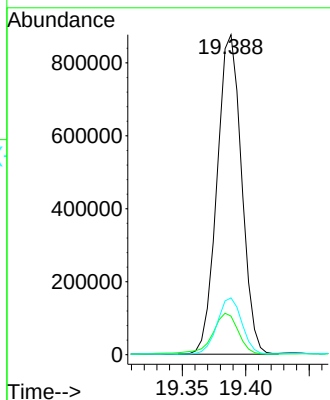
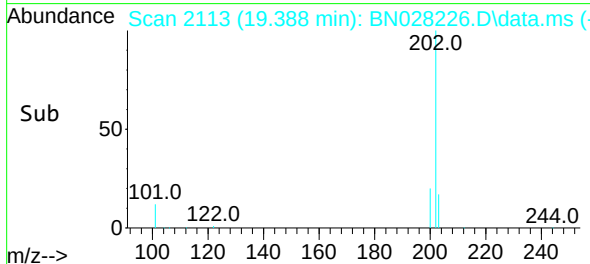
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



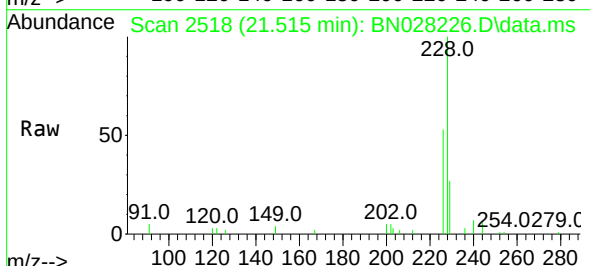
Tgt Ion:202 Resp: 117726
Ion Ratio Lower Upper
202 100
101 13.9 9.8 14.6
203 17.6 13.8 20.8

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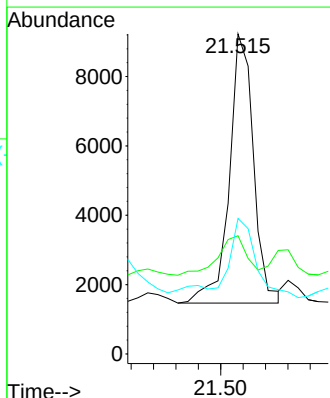
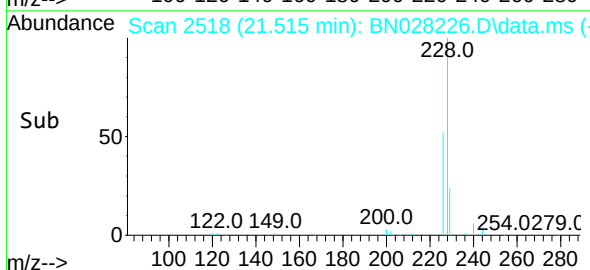
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

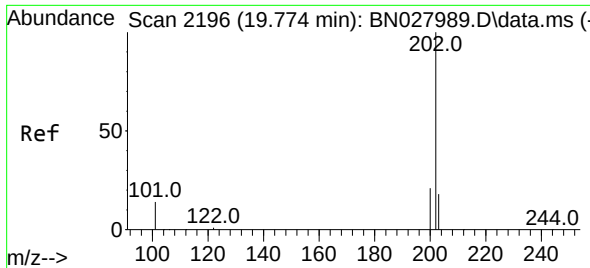


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



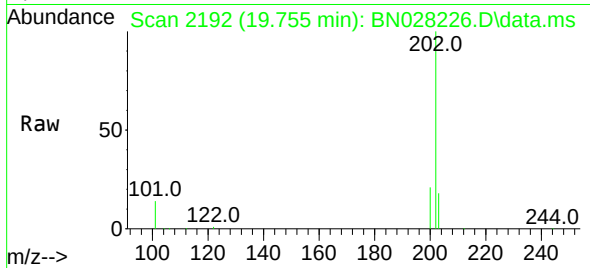
Tgt Ion:240 Resp: 11706
Ion Ratio Lower Upper
240 100
120 37.0 13.8 20.6#
236 42.3 22.6 33.8#





#30
Pyrene
Concen: 25.545 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

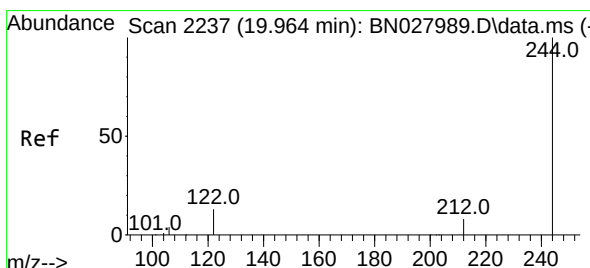
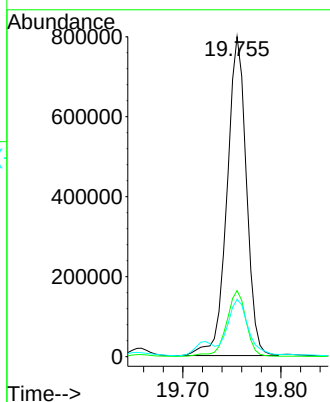
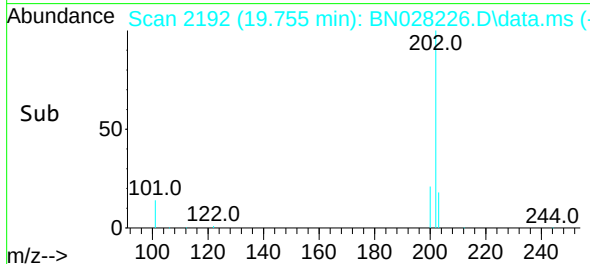
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



Tgt Ion:202 Resp: 109650
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 18.0 14.7 22.1

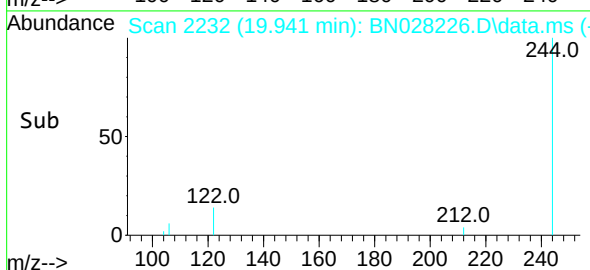
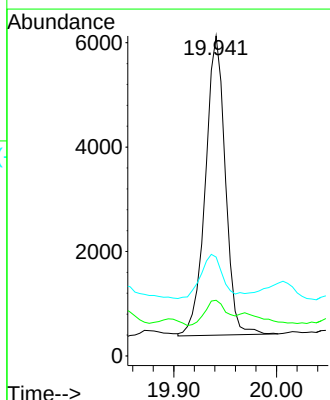
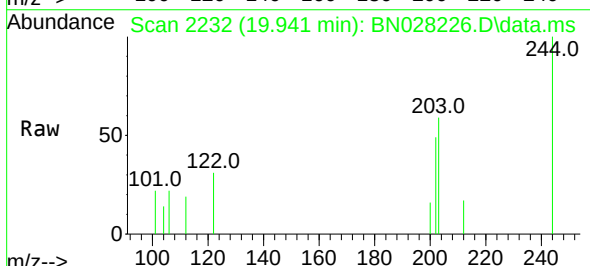
Manual Integrations
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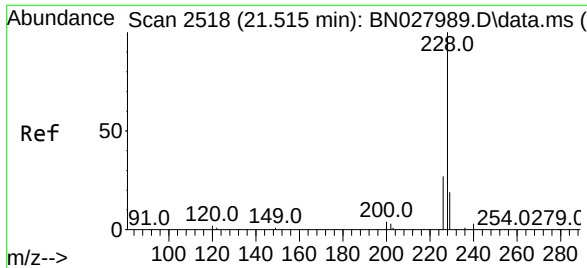
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.281 ng
RT: 19.941 min Scan# 2232
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

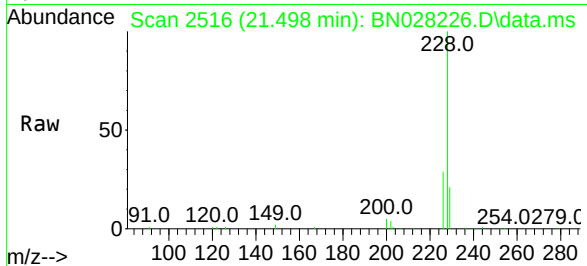
Tgt Ion:244 Resp: 7679
Ion Ratio Lower Upper
244 100
212 17.4 6.6 9.8#
122 30.9 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 16.465 ng
RT: 21.498 min Scan# 21498
Delta R.T. 0.000 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

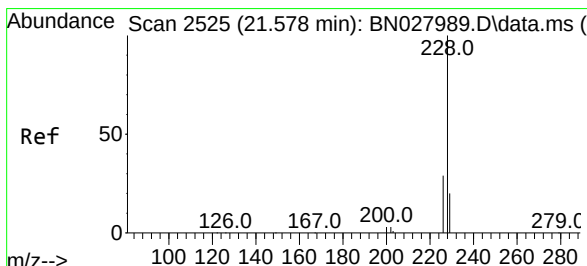
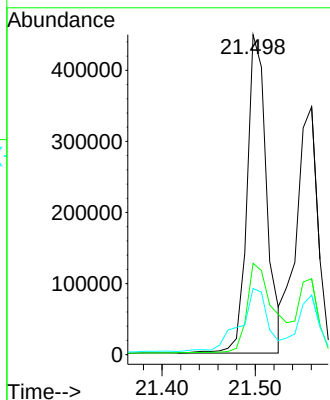
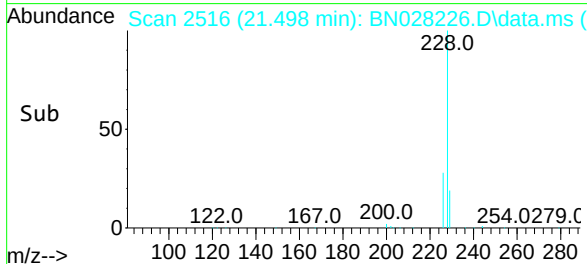
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



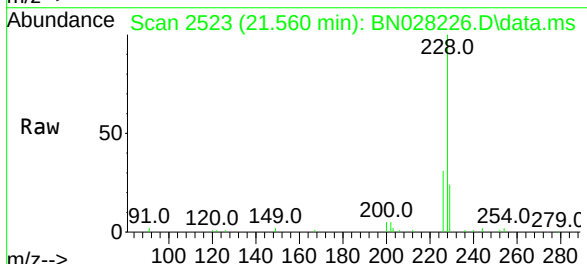
Tgt Ion:228 Resp: 65586
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 20.7 16.0 24.0

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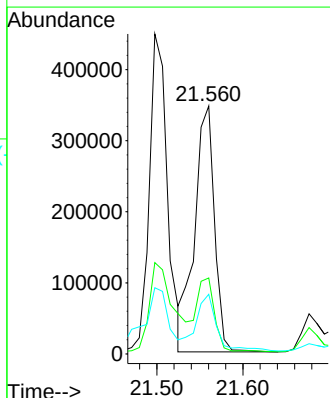
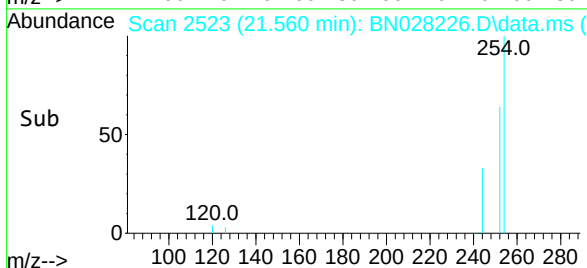
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

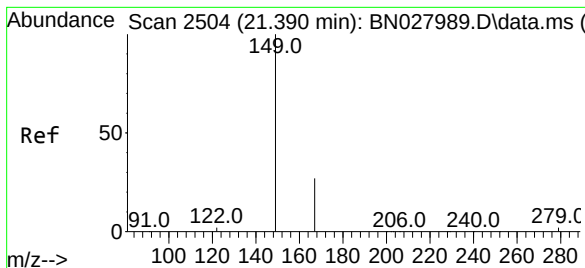


#33
Chrysene
Concen: 14.535 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



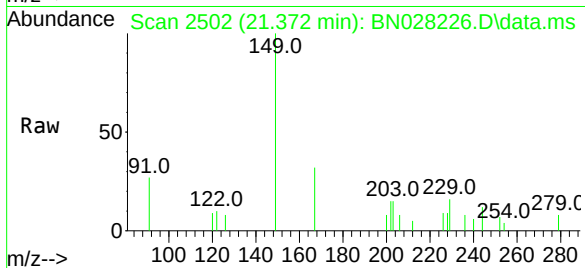
Tgt Ion:228 Resp: 557965
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.8
229 24.0 16.6 25.0





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.885 ng
 RT: 21.372 min Scan# 2139
 Delta R.T. 0.009 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34

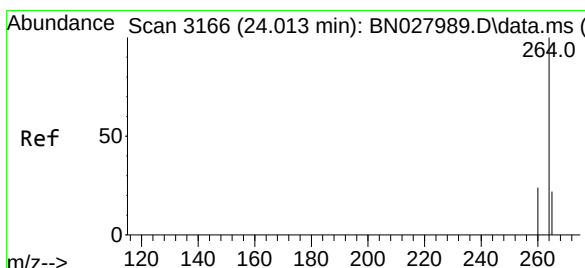
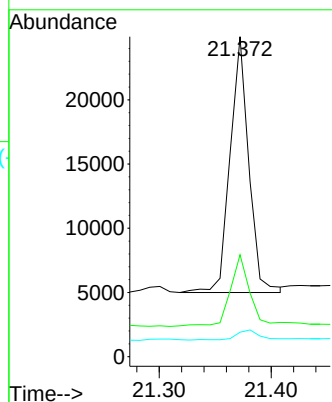
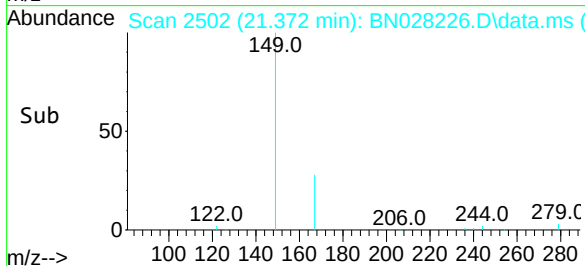
Instrument :
 BNA_N
 ClientSampleId :
 C-1(0-5)



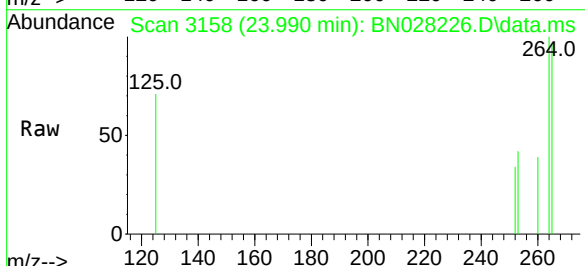
Tgt Ion:149 Resp: 2319
 Ion Ratio Lower Upper
 149 100
 167 30.6 22.1 33.1
 279 5.1 3.4 5.0

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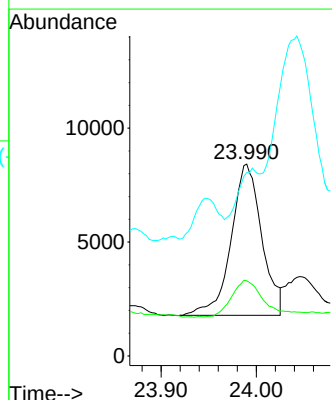
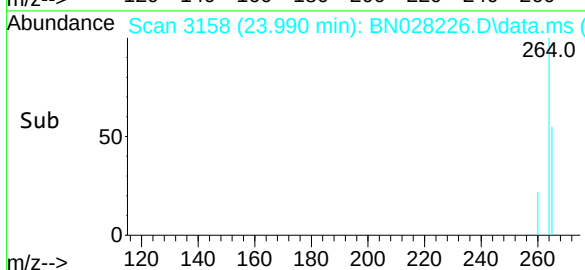
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

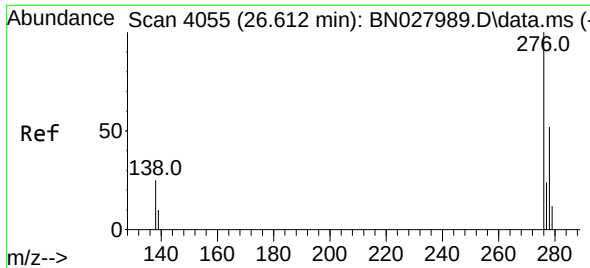


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.990 min Scan# 3158
 Delta R.T. 0.015 min
 Lab File: BN028226.D
 Acq: 11 Oct 2023 09:34



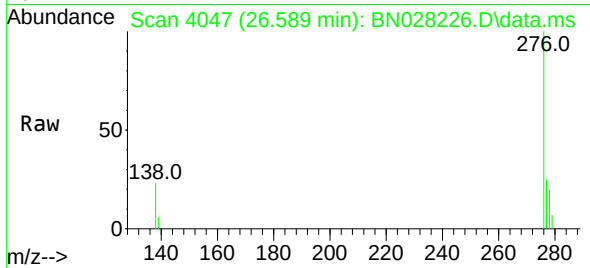
Tgt Ion:264 Resp: 14884
 Ion Ratio Lower Upper
 264 100
 260 39.2 20.2 30.4#
 265 95.6 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 8.293 ng
RT: 26.589 min Scan# 4055
Delta R.T. 0.032 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

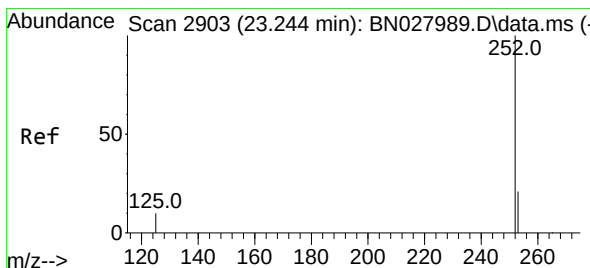
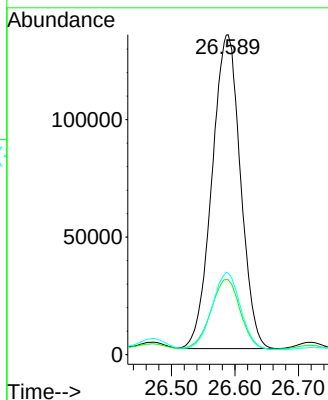
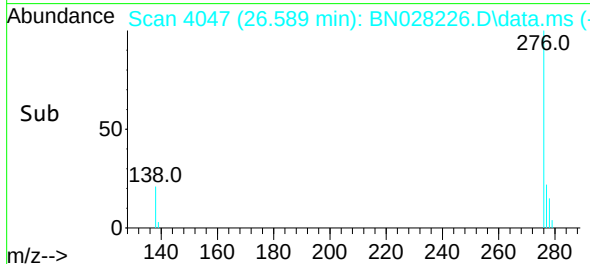
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



Tgt Ion:276 Resp: 415208
Ion Ratio Lower Upper
276 100
138 23.0 20.9 31.3
277 24.7 19.8 29.6

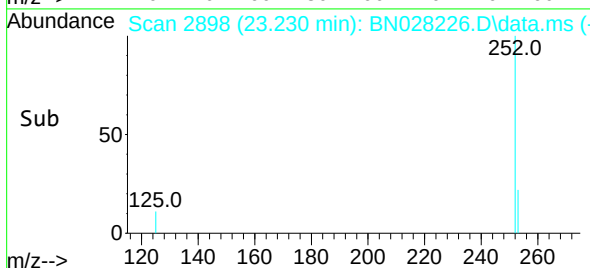
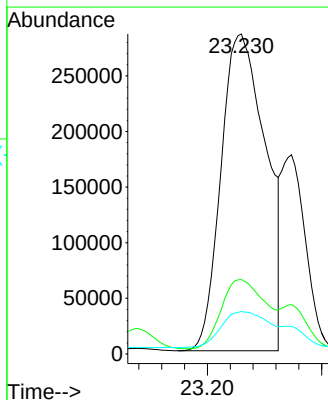
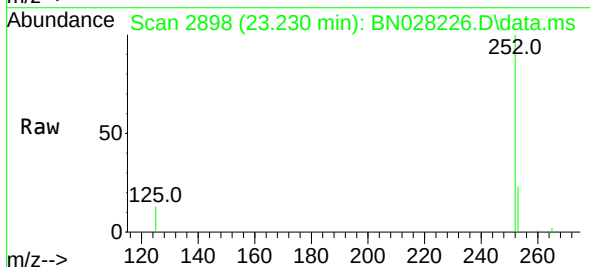
Manual Integrations
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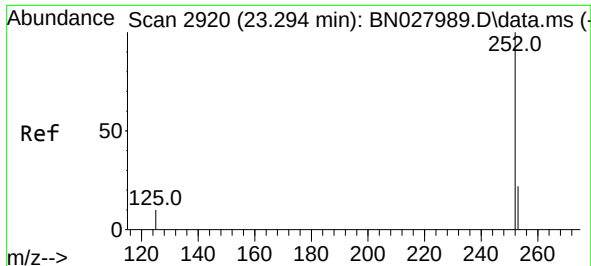
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 16.085 ng
RT: 23.230 min Scan# 2898
Delta R.T. 0.018 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

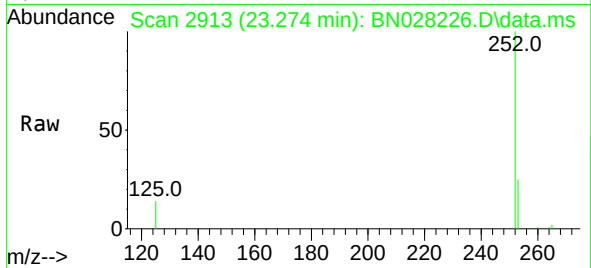
Tgt Ion:252 Resp: 773201
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 13.2 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 5.385 ng m
RT: 23.274 min Scan# 2920
Delta R.T. 0.012 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34

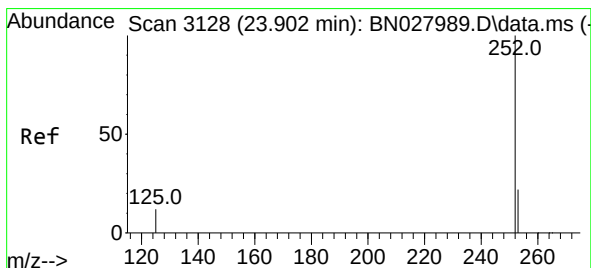
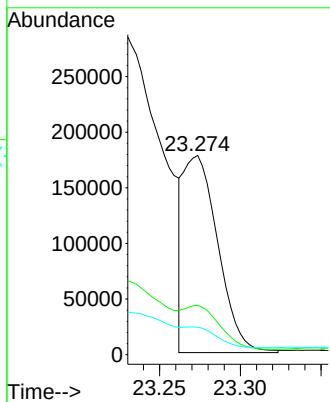
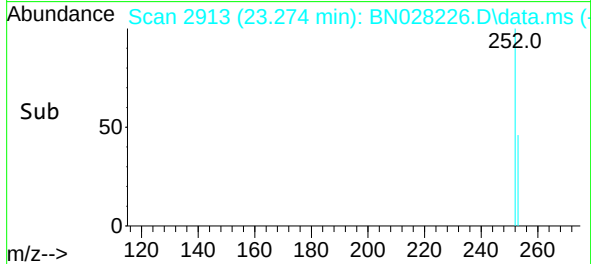
Instrument :
BNA_N
ClientSampleId :
C-1(0-5)



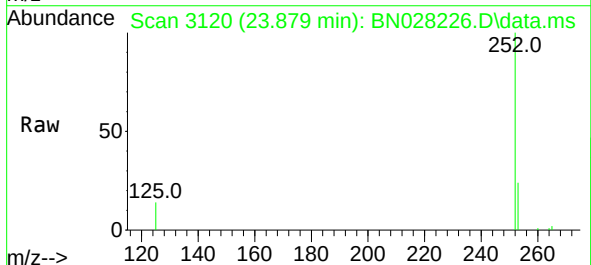
Tgt Ion:252 Resp: 262574
Ion Ratio Lower Upper
252 100
253 24.8 23.1 34.7
125 13.8 13.8 20.8

Manual Integrations
APPROVED

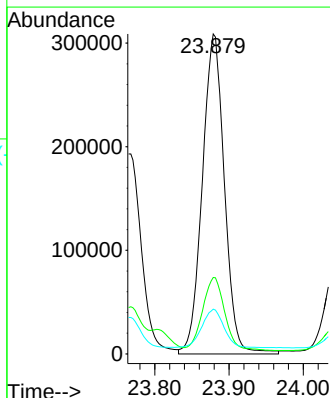
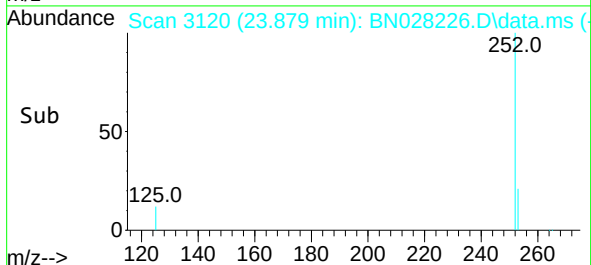
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

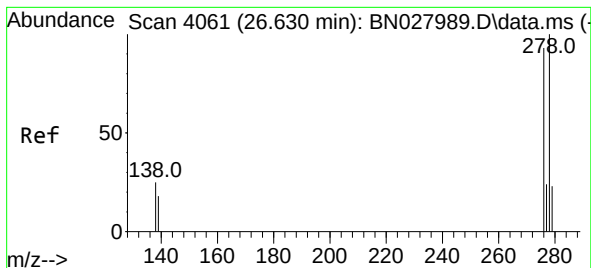


#39
Benzo(a)pyrene
Concen: 14.043 ng m
RT: 23.879 min Scan# 3120
Delta R.T. 0.015 min
Lab File: BN028226.D
Acq: 11 Oct 2023 09:34



Tgt Ion:252 Resp: 638288
Ion Ratio Lower Upper
252 100
253 23.9 25.0 37.4#
125 14.0 16.6 24.8#





#40

Dibenzo(a,h)anthracene

Concen: 2.736 ng

RT: 26.595 min Scan# 4061

Delta R.T. 0.018 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Instrument :

BNA_N

ClientSampleId :

C-1(0-5)

Tgt Ion:278 Resp: 11205

Ion Ratio Lower Upper

278 100

139 26.9 17.7 26.5

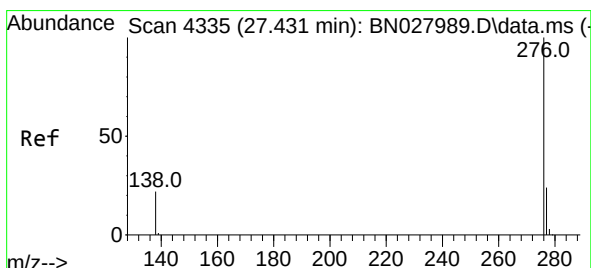
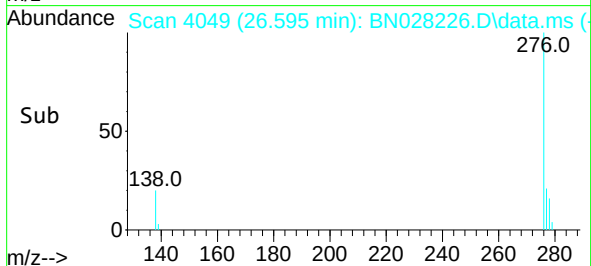
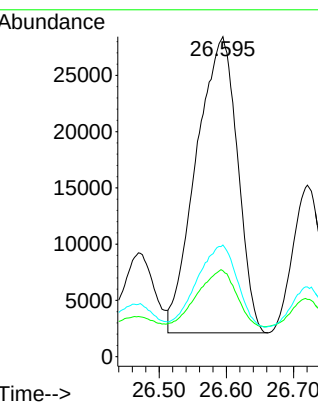
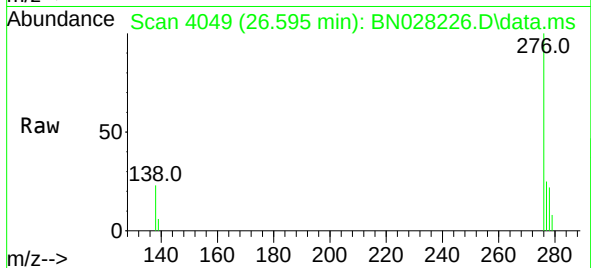
279 34.9 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#41

Benzo(g,h,i)perylene

Concen: 9.852 ng

RT: 27.402 min Scan# 4325

Delta R.T. 0.035 min

Lab File: BN028226.D

Acq: 11 Oct 2023 09:34

Tgt Ion:276 Resp: 414164

Ion Ratio Lower Upper

276 100

277 25.5 22.1 33.1

138 24.4 20.8 31.2

