

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028388.D
 Acq On : 24 Oct 2023 23:38
 Operator : MA/JU
 Sample : 04938-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 25 01:07:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4676	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	15477	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	10625	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	12173	0.400	ng	#-0.01
29) Chrysene-d12	21.488	240	17092	0.400	ng	# 0.00
35) Perylene-d12	23.931	264	15532	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.415	112	3169	0.218	ng	-0.01
5) Phenol-d6	7.040	99	4213	0.236	ng	-0.01
8) Nitrobenzene-d5	9.070	82	3299	0.240	ng	-0.03
11) 2-Methylnaphthalene-d10	12.268	152	5311	0.228	ng	-0.03
14) 2,4,6-Tribromophenol	16.028	330	691	0.133	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	6778	0.181	ng	-0.02
27) Fluoranthene-d10	19.319	212	5126	0.157	ng	0.00
31) Terphenyl-d14	19.890	244	10937	0.301	ng	-0.03
Target Compounds						Qvalue
9) Naphthalene	10.735	128	1246988	31.062	ng	97
12) 2-Methylnaphthalene	12.343	142	515816	18.081	ng	100
16) Acenaphthylene	14.245	152	1965448	41.168	ng	99
17) Acenaphthene	14.587	154	167591	5.571	ng	96
18) Fluorene	15.568	166	1794571	45.316	ng	99
25) Phenanthrene	17.331	178	10826034	324.899	ng	99
26) Anthracene	17.418	178	5416451	170.194	ng	97
28) Fluoranthene	19.360	202	11318064	270.372	ng	97
30) Pyrene	19.727	202	9486482	162.202	ng	97
32) Benzo(a)anthracene	21.471	228	6161749	101.480	ng	96
33) Chrysene	21.524	228	5086053	87.518	ng	98
34) Bis(2-ethylhexyl)phtha...	21.336	149	20490	0.442	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.513	276	2716001	43.373	ng	97
37) Benzo(b)fluoranthene	23.189	252	5728574	117.996	ng	# 89
38) Benzo(k)fluoranthene	23.230	252	2643334m	53.523	ng	
39) Benzo(a)pyrene	23.835	252	4533792	93.877	ng	# 87
40) Dibenzo(a,h)anthracene	26.513	278	813577	16.004	ng	96
41) Benzo(g,h,i)perylene	27.323	276	2404059	45.803	ng	94

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

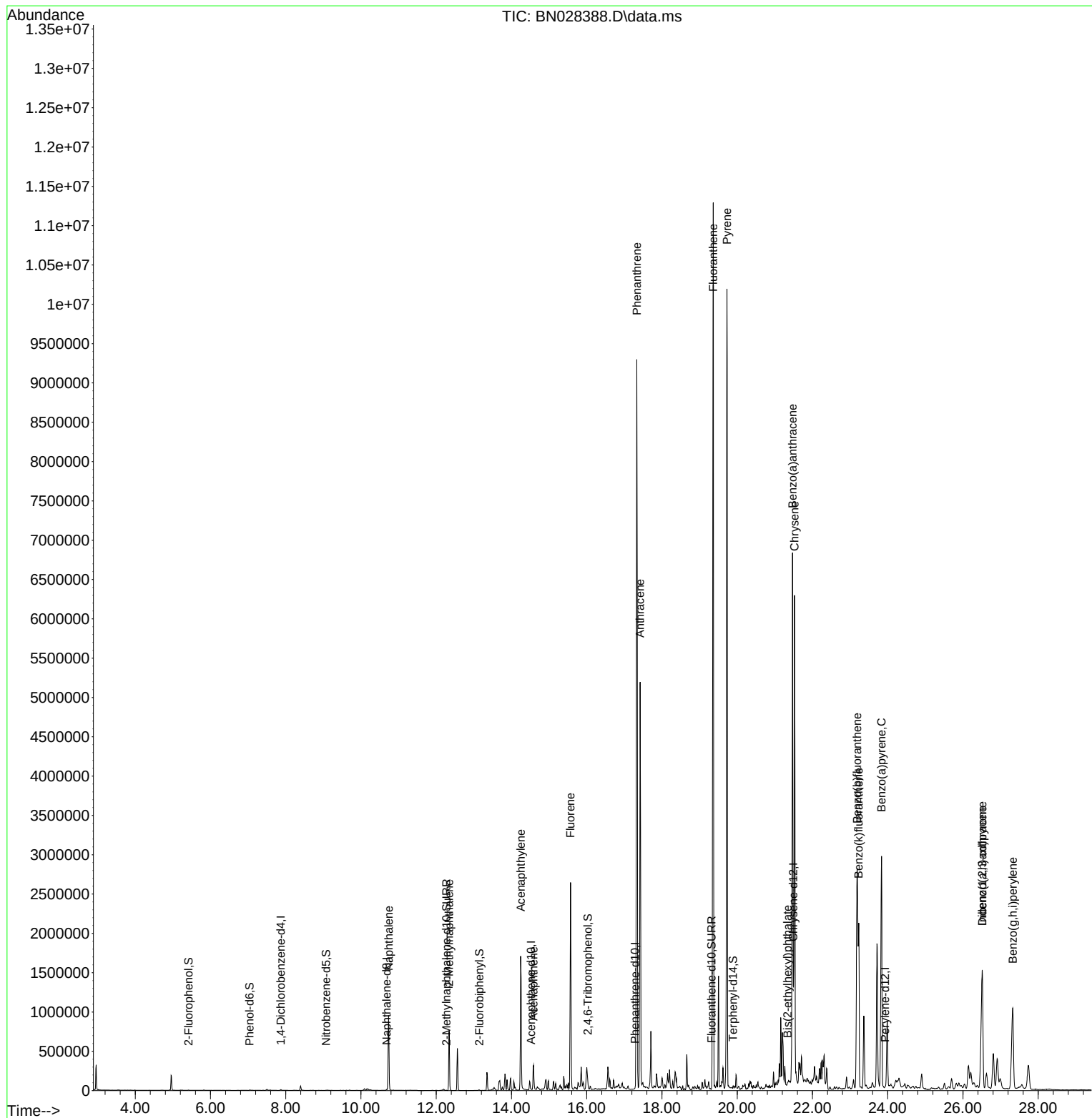
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
Data File : BN028388.D
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ALS Vial : 17 Sample Multiplier: 1

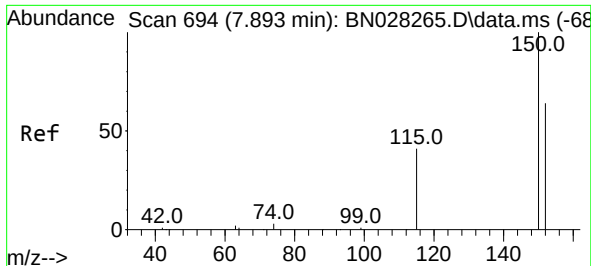
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:14:08 2023
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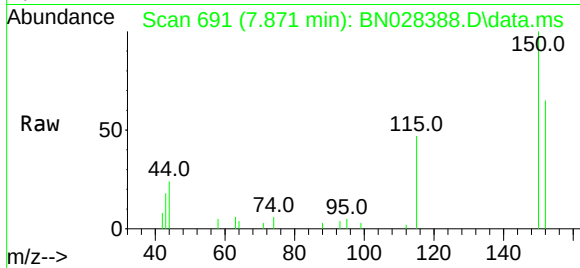
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

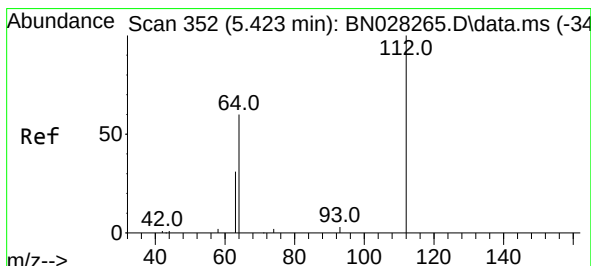
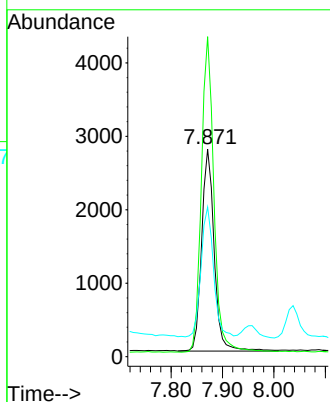
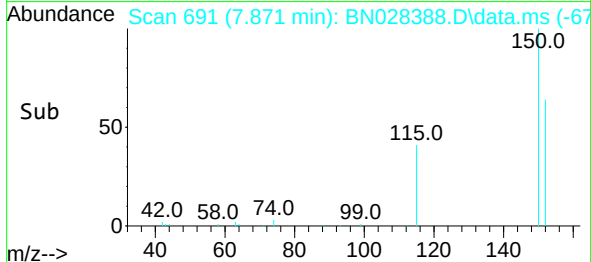
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



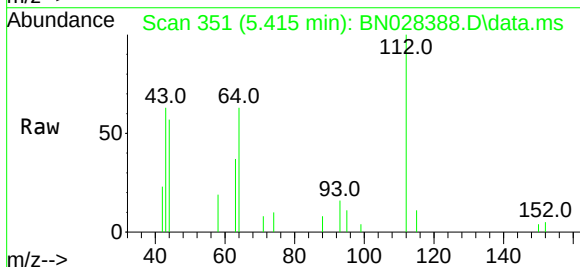
Tgt Ion:152 Resp: 4670
Ion Ratio Lower Upper
152 100
150 154.2 121.6 182.4
115 72.1 54.3 81.5

Manual Integrations
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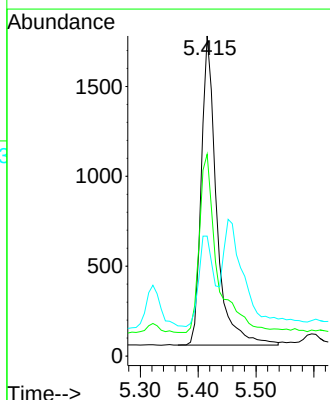
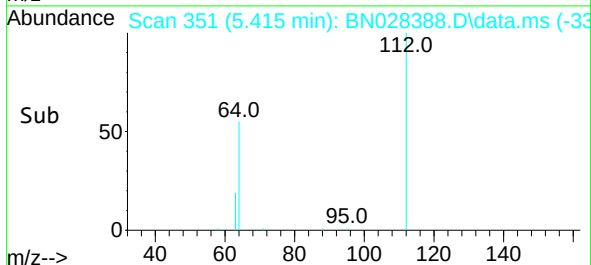
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

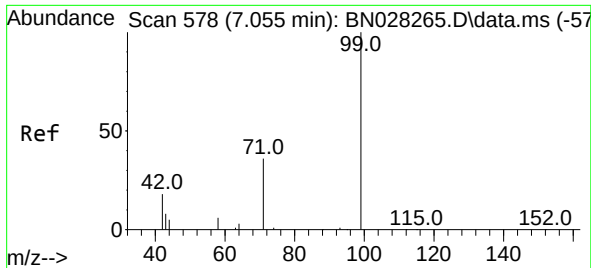


#4
2-Fluorophenol
Concen: 0.218 ng
RT: 5.415 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38



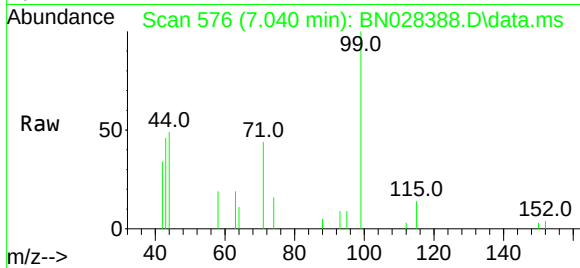
Tgt Ion:112 Resp: 3169
Ion Ratio Lower Upper
112 100
64 67.6 46.9 70.3
63 29.9 25.0 37.4





#5
Phenol-d6
Concen: 0.236 ng
RT: 7.040 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

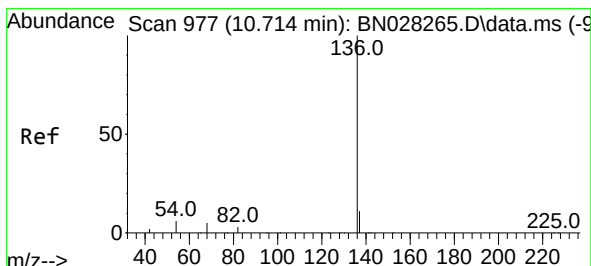
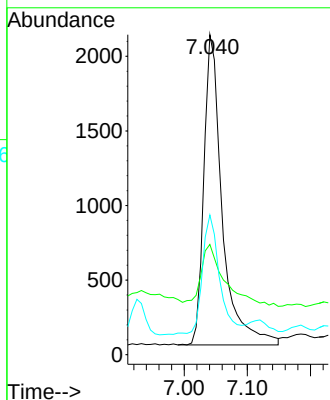
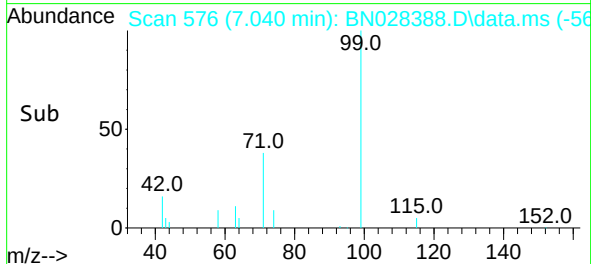
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion: 99 Resp: 421
Ion Ratio Lower Upper
99 100
42 25.8 15.9 23.9
71 36.9 28.6 42.8

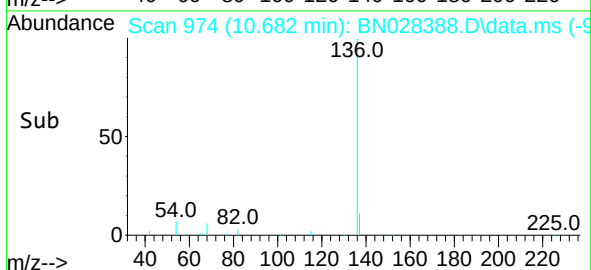
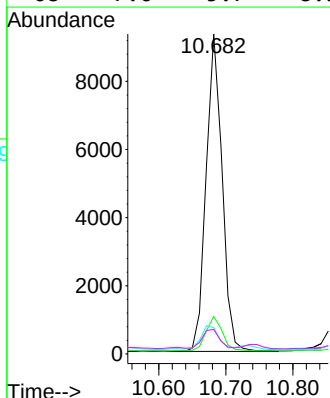
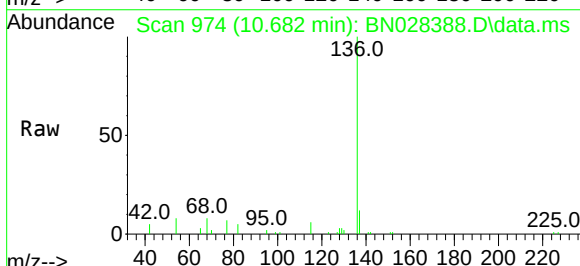
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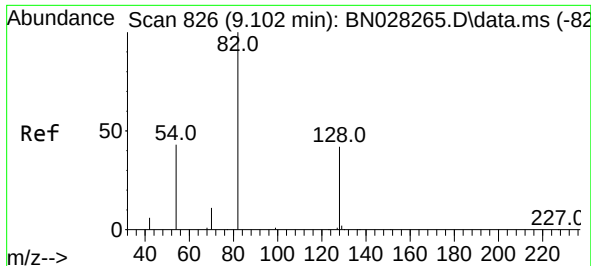
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

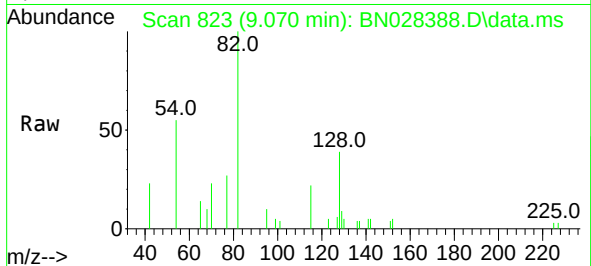
Tgt Ion:136 Resp: 15477
Ion Ratio Lower Upper
136 100
137 11.7 9.8 14.8
54 8.2 6.2 9.4
68 7.6 5.7 8.5





#8
Nitrobenzene-d5
Concen: 0.240 ng
RT: 9.070 min Scan# 81
Delta R.T. -0.032 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

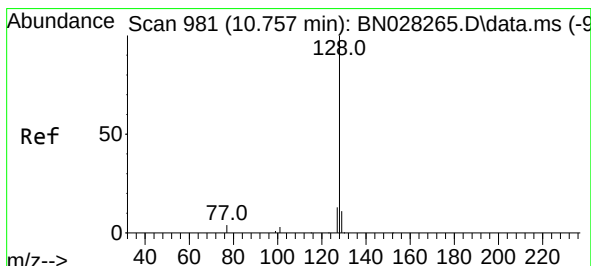
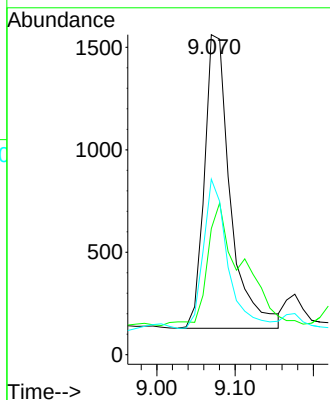
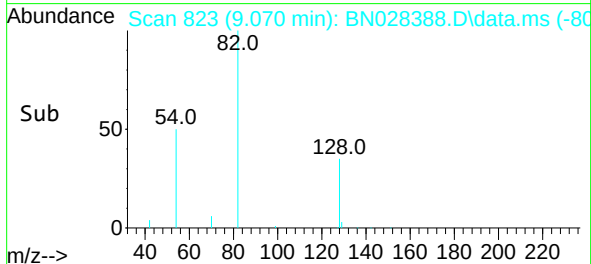
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion: 82 Resp: 329
Ion Ratio Lower Upper
82 100
128 39.4 36.8 55.2
54 54.9 37.4 56.2

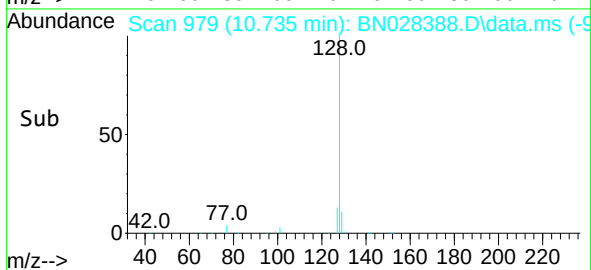
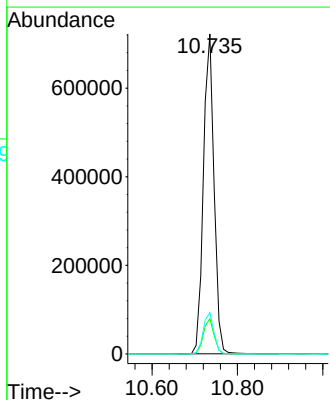
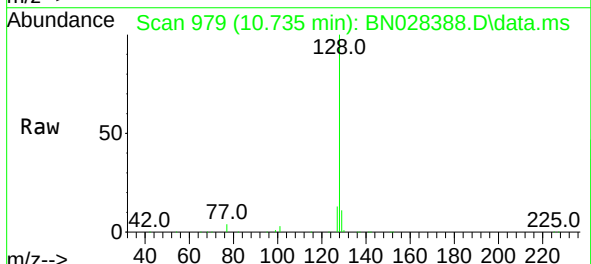
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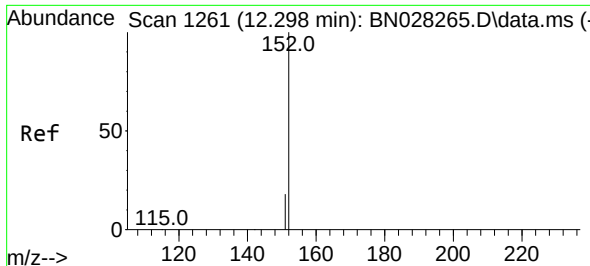
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 31.062 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

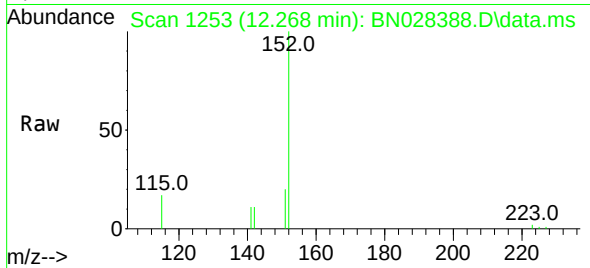
Tgt Ion:128 Resp: 1246988
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.6
127 12.9 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.228 ng
RT: 12.268 min Scan# 11
Delta R.T. -0.026 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

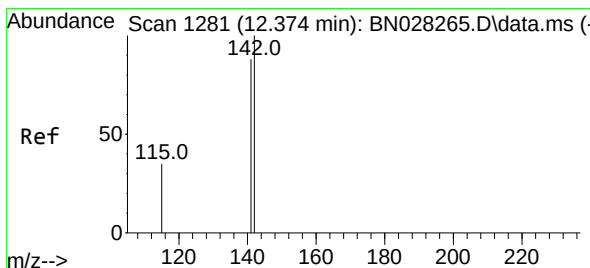
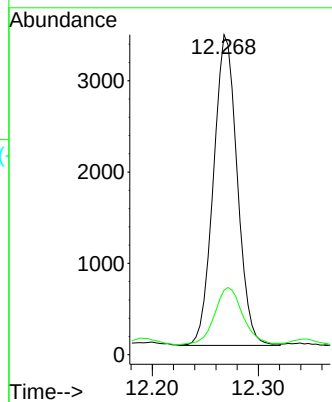
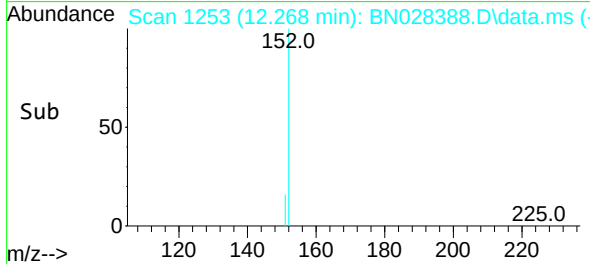
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



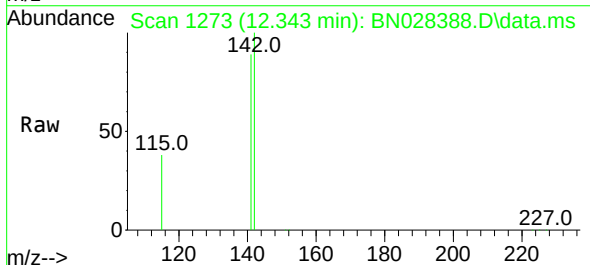
Tgt Ion:152 Resp: 531
Ion Ratio Lower Upper
152 100
151 21.8 16.1 24.1

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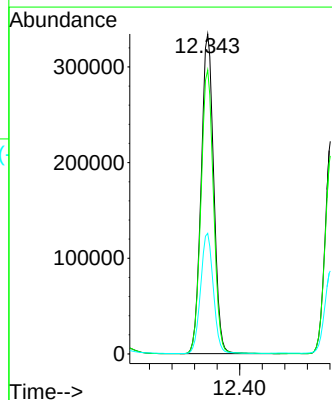
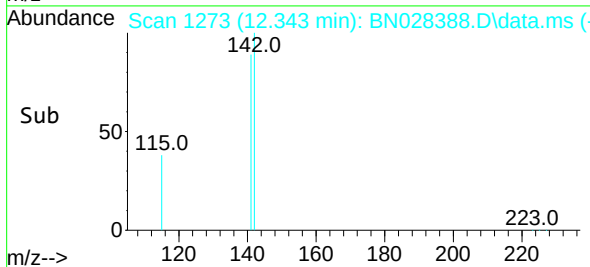
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

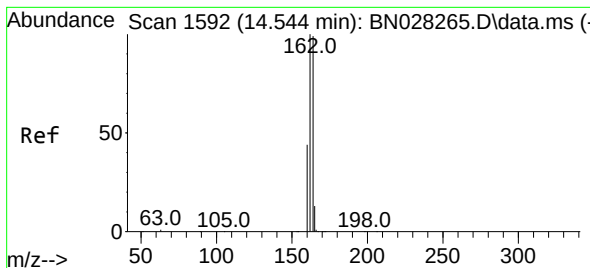


#12
2-Methylnaphthalene
Concen: 18.081 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38



Tgt Ion:142 Resp: 515816
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7
115 37.7 29.9 44.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.523 min Scan# 1590

Delta R.T. -0.011 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

Instrument :

BNA_N

ClientSampleId :

A-2(0-2)

Tgt Ion:164 Resp: 1062

Ion Ratio Lower Upper

164 100

162 104.8 81.1 121.7

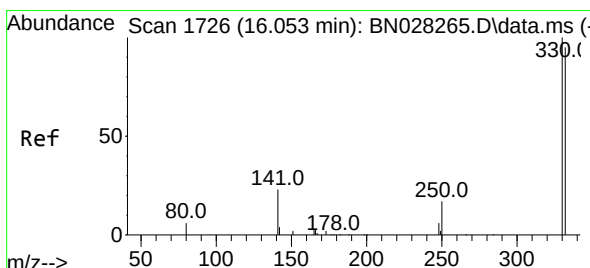
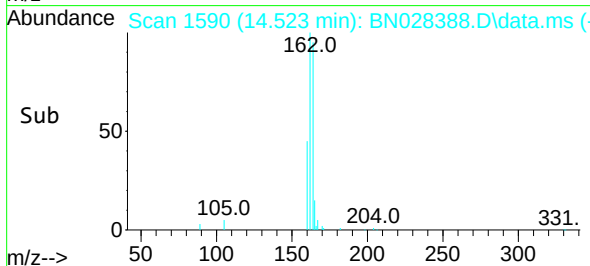
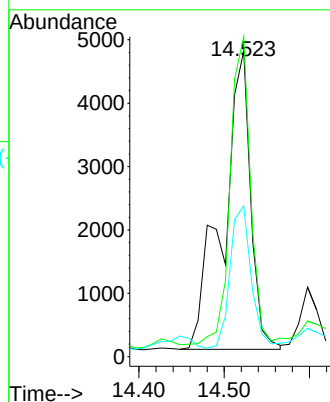
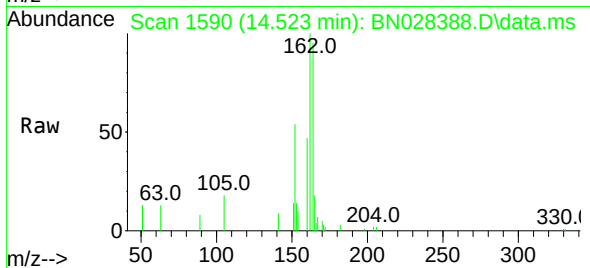
160 49.4 36.6 54.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#14

2,4,6-Tribromophenol

Concen: 0.133 ng

RT: 16.028 min Scan# 1724

Delta R.T. -0.037 min

Lab File: BN028388.D

Acq: 24 Oct 2023 23:38

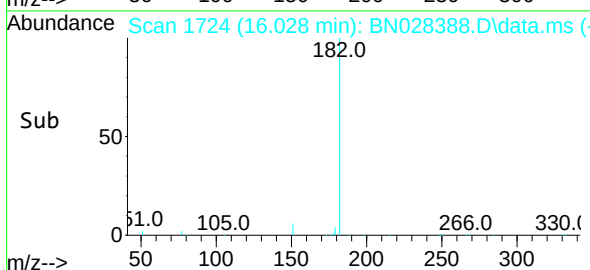
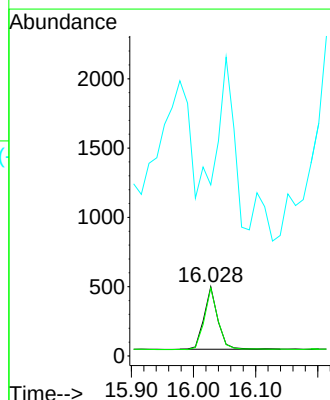
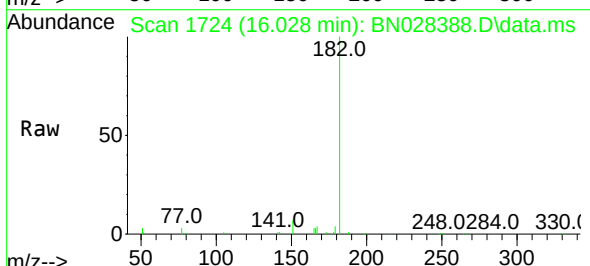
Tgt Ion:330 Resp: 691

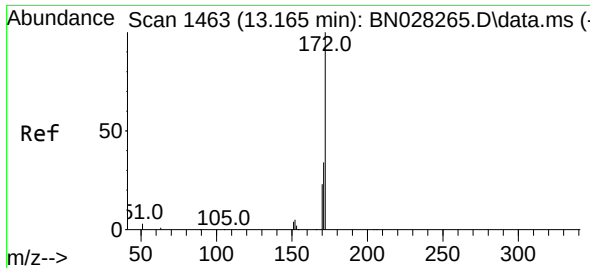
Ion Ratio Lower Upper

330 100

332 98.0 74.1 111.1

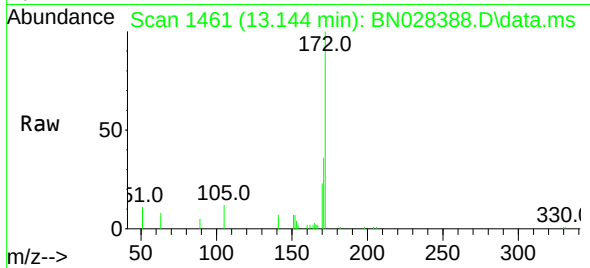
141 0.0 32.1 48.1#





#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

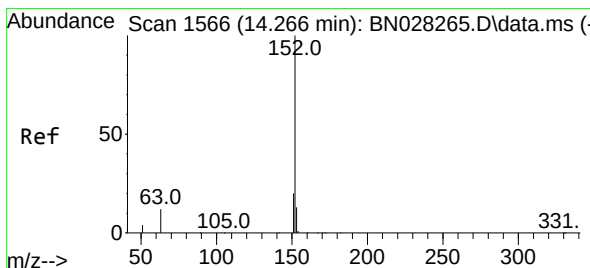
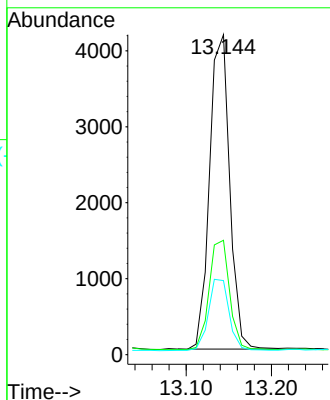
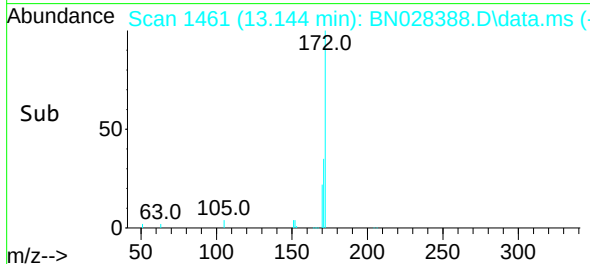
Instrument :
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ClientSampleId :
A-2(0-2)



Tgt Ion:172 Resp: 6778
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.2 18.7 28.1

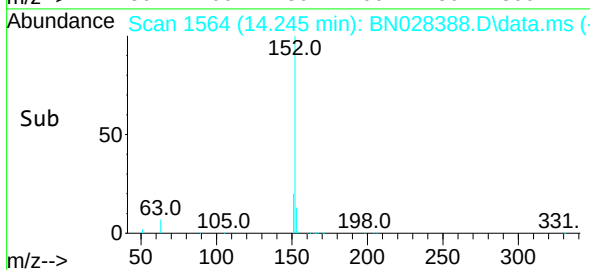
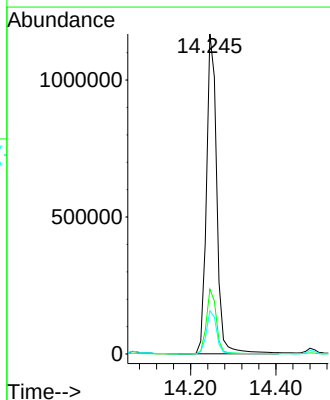
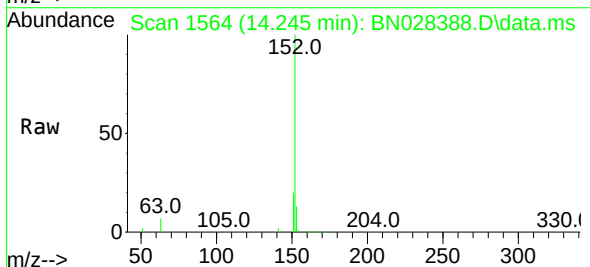
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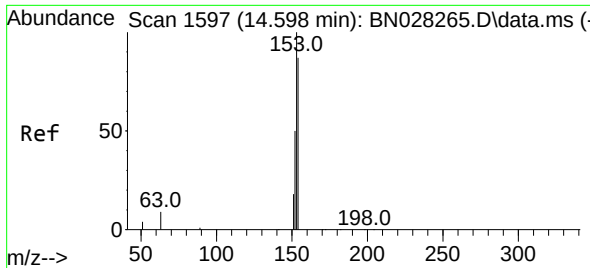
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#16
Acenaphthylene
Concen: 41.168 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

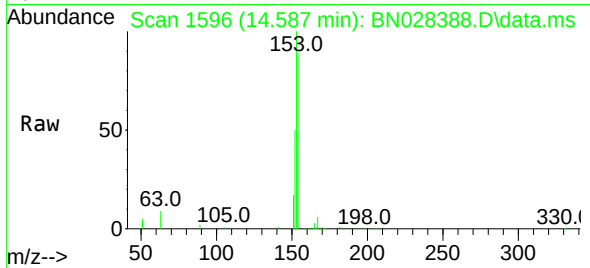
Tgt Ion:152 Resp: 1965448
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.4 10.6 16.0





#17
Acenaphthene
Concen: 5.571 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

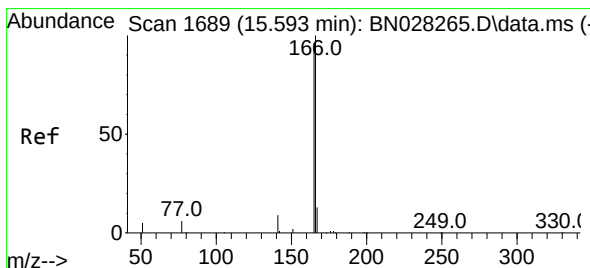
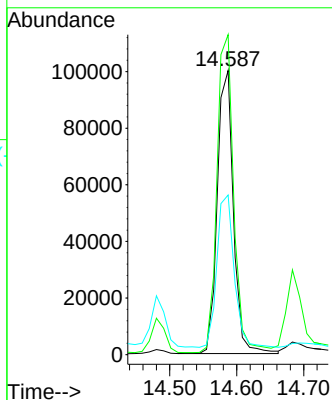
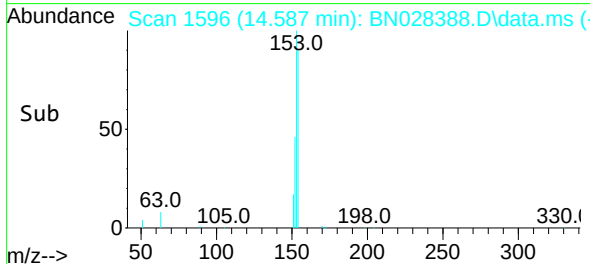
Instrument :
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ClientSampleId :
A-2(0-2)



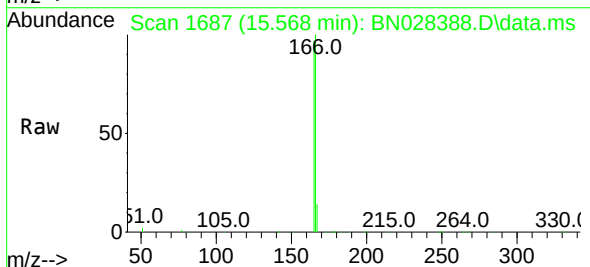
Tgt Ion:154 Resp: 16759
Ion Ratio Lower Upper
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153 116.6 90.7 136.1
152 58.0 43.6 65.4

Manual Integrations
APPROVED

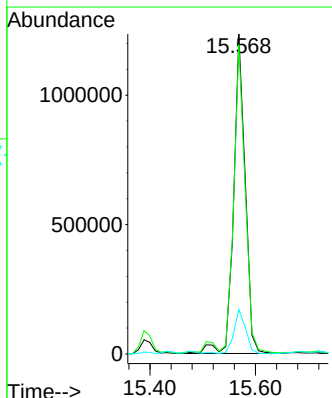
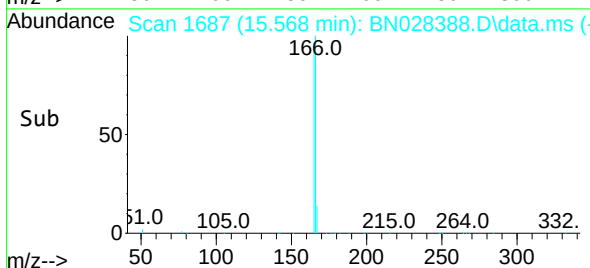
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

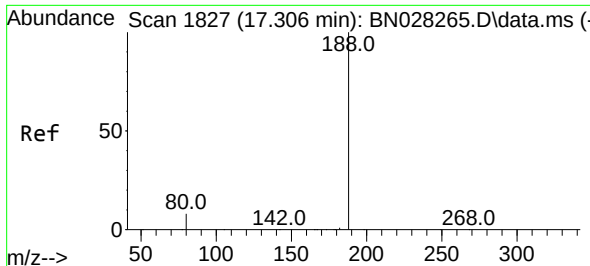


#18
Fluorene
Concen: 45.316 ng
RT: 15.568 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38



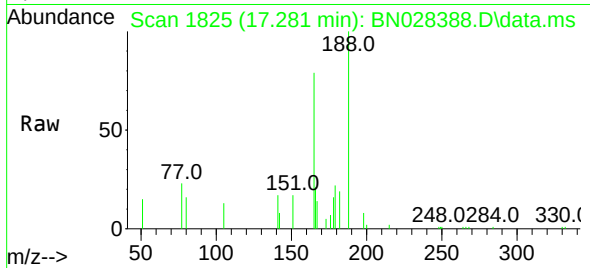
Tgt Ion:166 Resp: 1794571
Ion Ratio Lower Upper
166 100
165 98.5 79.3 118.9
167 14.6 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.281 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

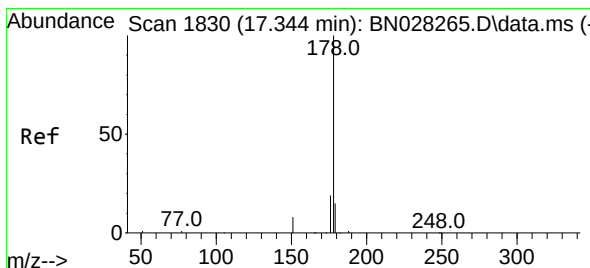
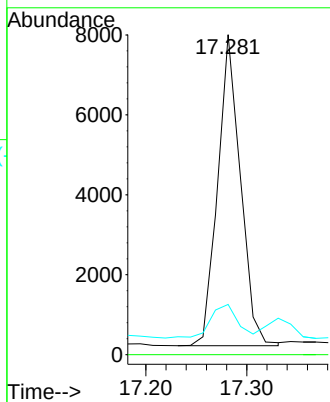
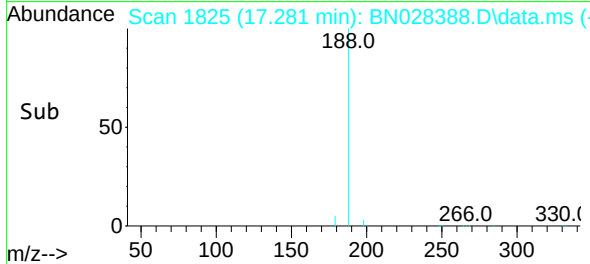
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:188 Resp: 1217
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.7 7.1 10.7

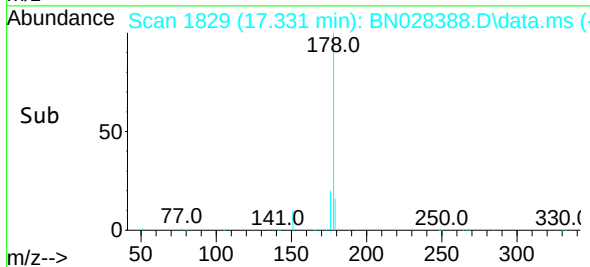
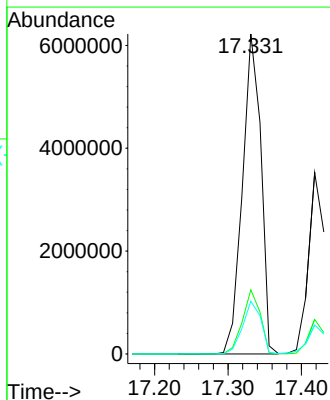
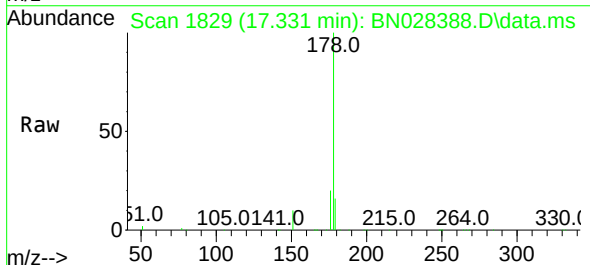
Manual Integrations
APPROVED

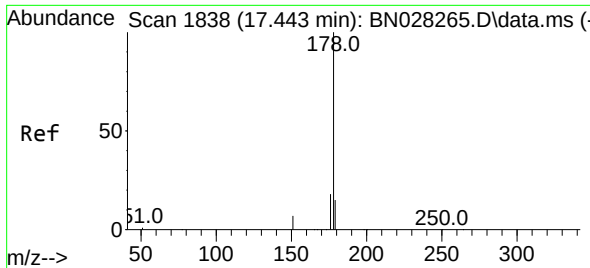
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#25
Phenanthrene
Concen: 324.899 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

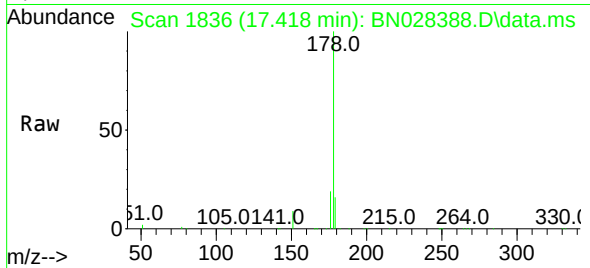
Tgt Ion:178 Resp:10826034
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 16.4 12.5 18.7





#26
 Anthracene
 Concen: 170.194 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

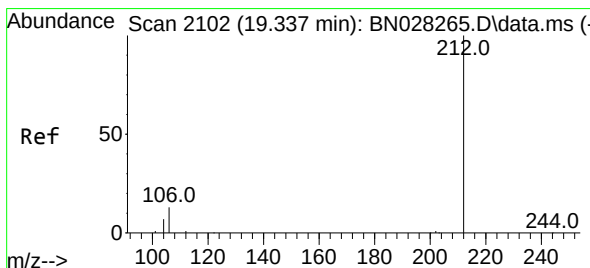
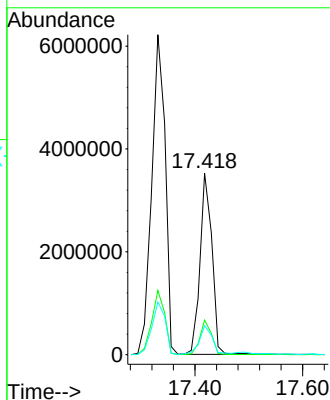
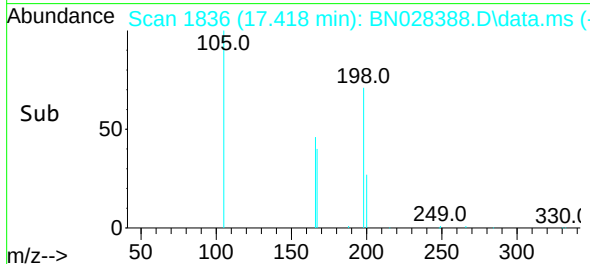
Instrument :
 BNA_N
 ClientSampleId :
 A-2(0-2)



Tgt Ion:178 Resp: 541645
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 17.4 12.2 18.4

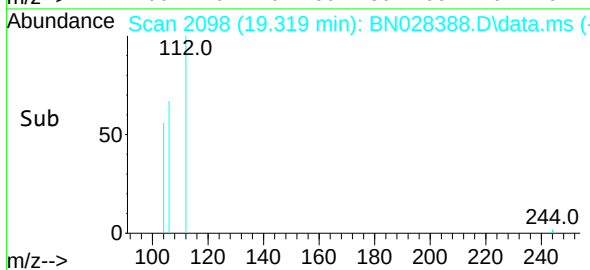
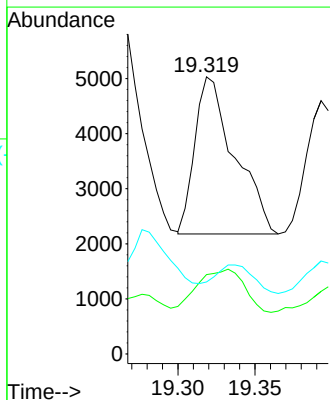
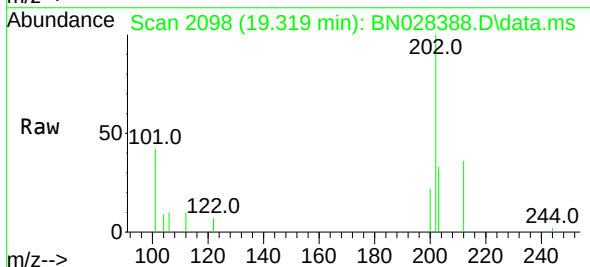
Manual Integrations
 APPROVED

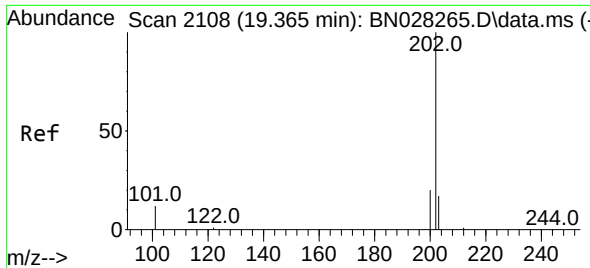
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.157 ng
 RT: 19.319 min Scan# 2098
 Delta R.T. -0.009 min
 Lab File: BN028388.D
 Acq: 24 Oct 2023 23:38

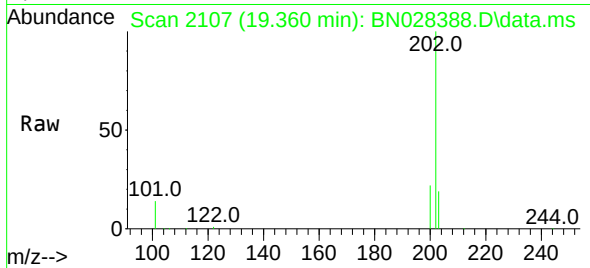
Tgt Ion:212 Resp: 5126
 Ion Ratio Lower Upper
 212 100
 106 32.2 11.5 17.3#
 104 17.3 6.7 10.1#





#28
Fluoranthene
Concen: 270.372 ng
RT: 19.360 min Scan# 2108
Delta R.T. 0.005 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

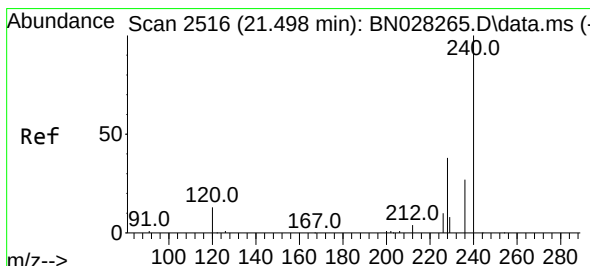
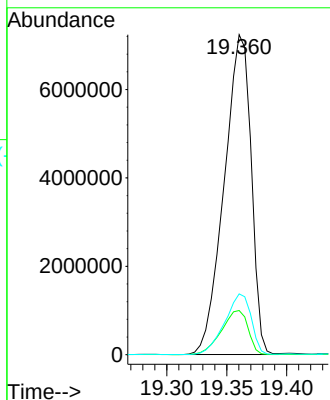
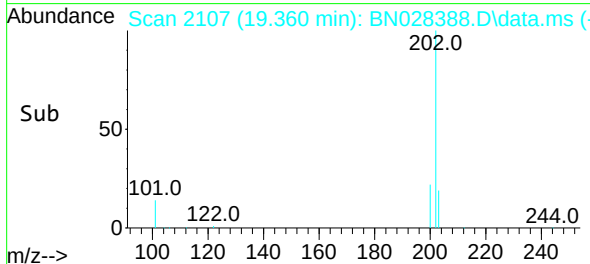
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:202 Resp:1131806
Ion Ratio Lower Upper
202 100
101 13.6 10.1 15.1
203 18.6 13.9 20.9

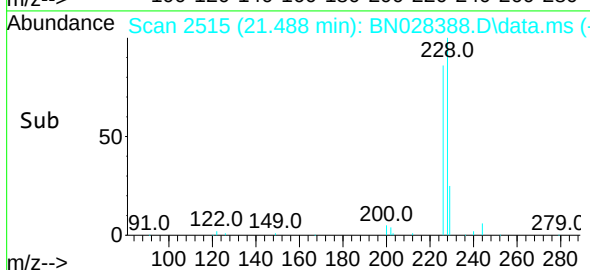
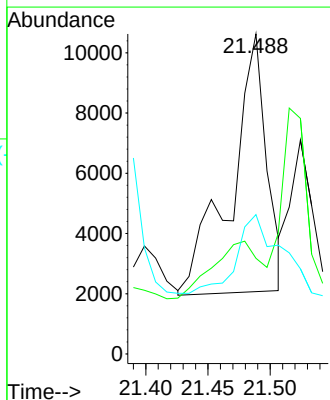
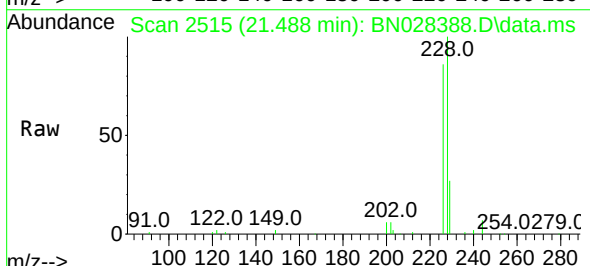
Manual Integrations
APPROVED

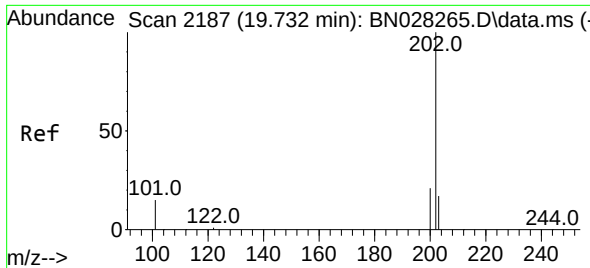
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.488 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

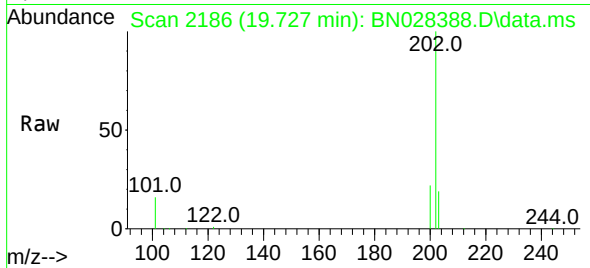
Tgt Ion:240 Resp: 17092
Ion Ratio Lower Upper
240 100
120 29.9 13.4 20.0#
236 43.5 22.7 34.1#





#30
Pyrene
Concen: 162.202 ng
RT: 19.727 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

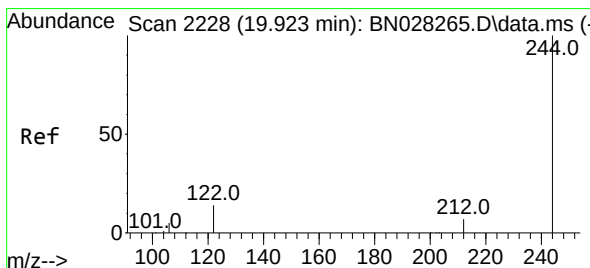
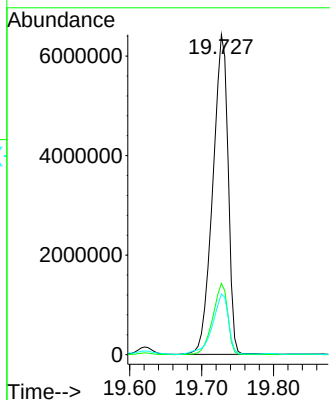
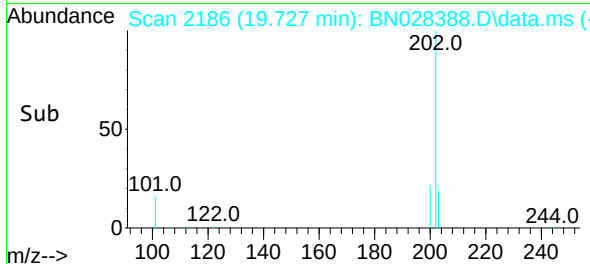
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:202 Resp: 948648
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 19.8 14.5 21.7

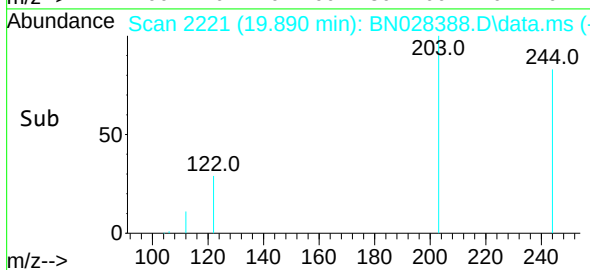
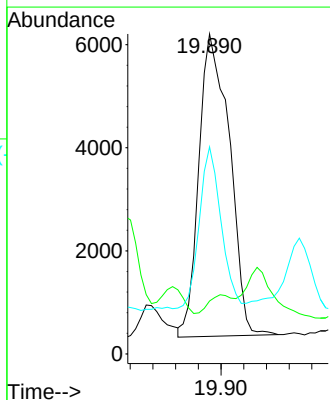
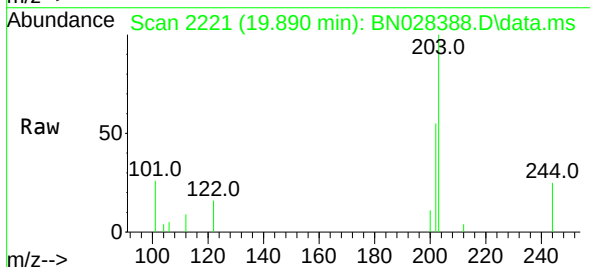
Manual Integrations
APPROVED

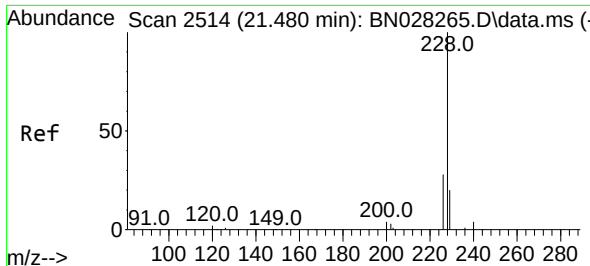
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#31
Terphenyl-d14
Concen: 0.301 ng
RT: 19.890 min Scan# 2221
Delta R.T. -0.028 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

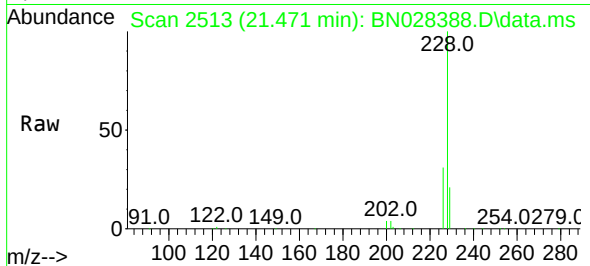
Tgt Ion:244 Resp: 10937
Ion Ratio Lower Upper
244 100
212 16.6 6.6 10.0#
122 64.7 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 101.480 ng
RT: 21.471 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

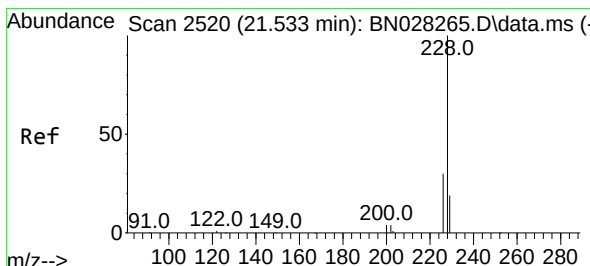
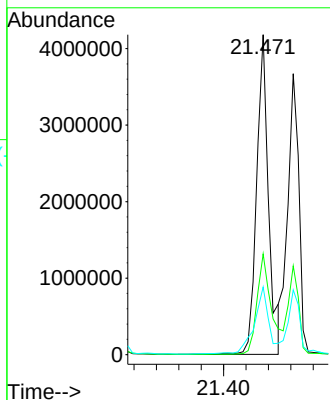
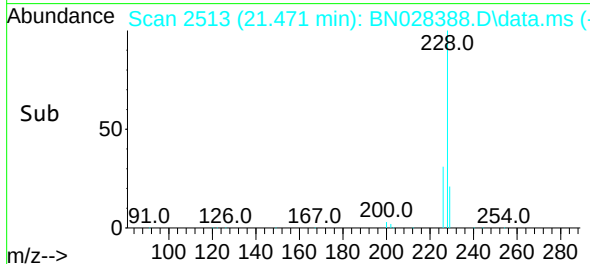
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



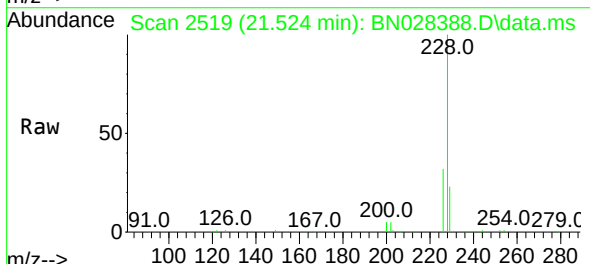
Tgt Ion:228 Resp: 6161749
Ion Ratio Lower Upper
228 100
226 31.5 22.9 34.3
229 21.2 16.6 24.8

Manual Integrations
APPROVED

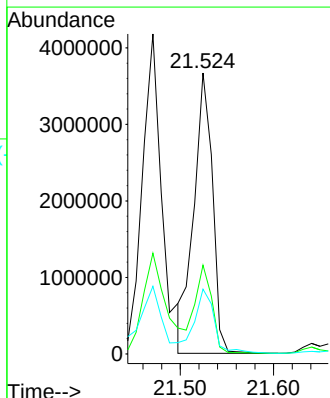
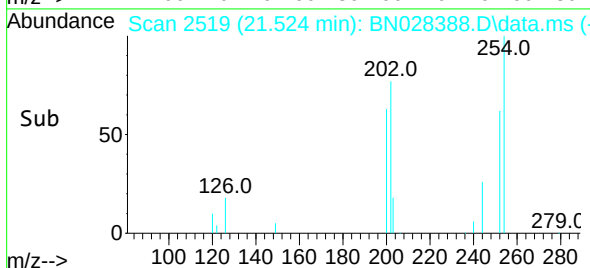
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

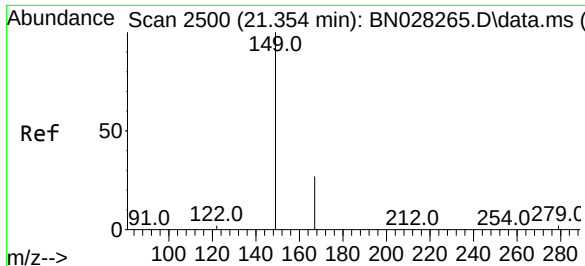


#33
Chrysene
Concen: 87.518 ng
RT: 21.524 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38



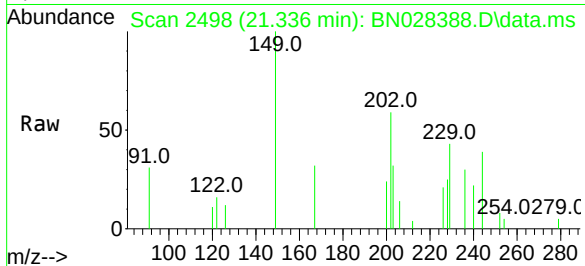
Tgt Ion:228 Resp: 5086053
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 23.1 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.442 ng
RT: 21.336 min Scan# 2498
Delta R.T. -0.009 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

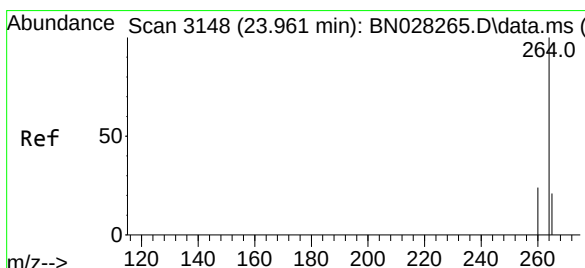
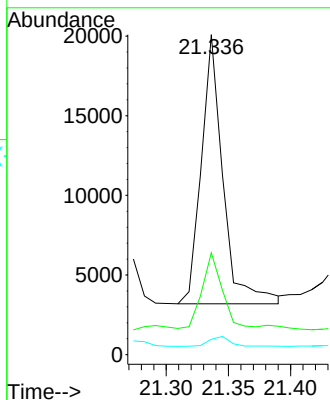
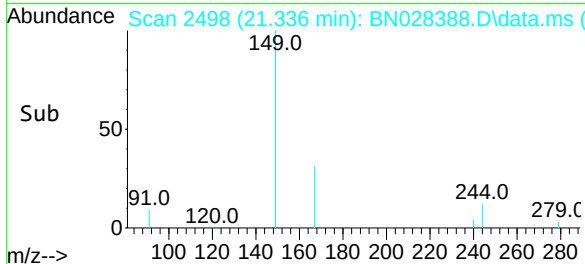
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:149 Resp: 20490
Ion Ratio Lower Upper
149 100
167 26.3 22.6 34.0
279 3.5 4.2 6.2

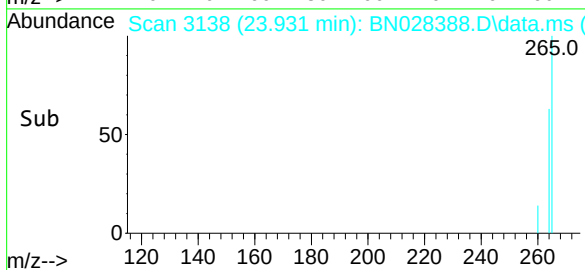
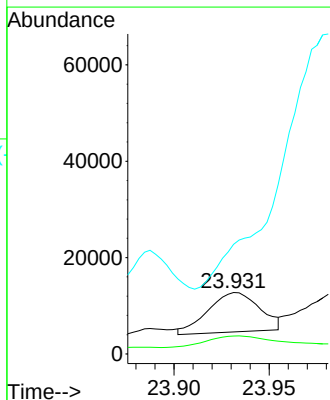
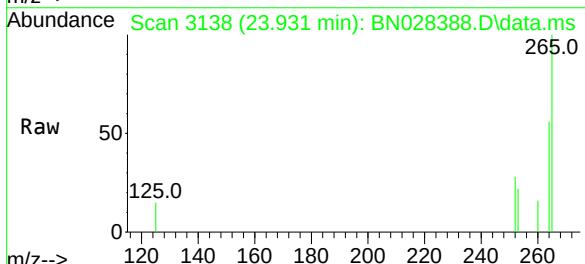
Manual Integrations
APPROVED

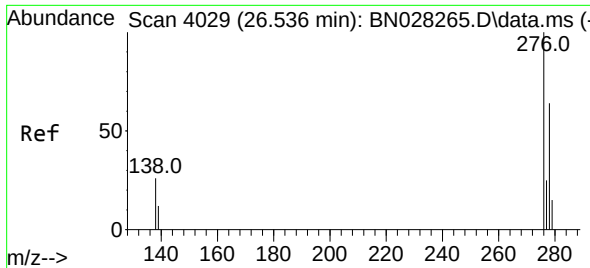
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.931 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

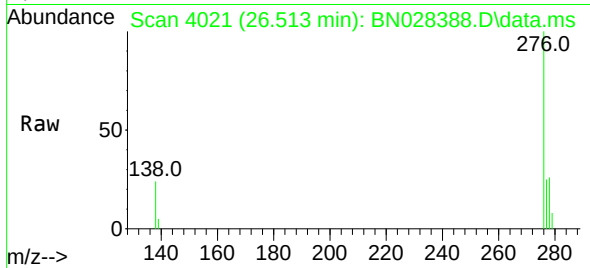
Tgt Ion:264 Resp: 15532
Ion Ratio Lower Upper
264 100
260 29.1 20.7 31.1
265 178.1 38.3 57.5





#36
Indeno(1,2,3-cd)pyrene
Concen: 43.373 ng
RT: 26.513 min Scan# 4021
Delta R.T. 0.009 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

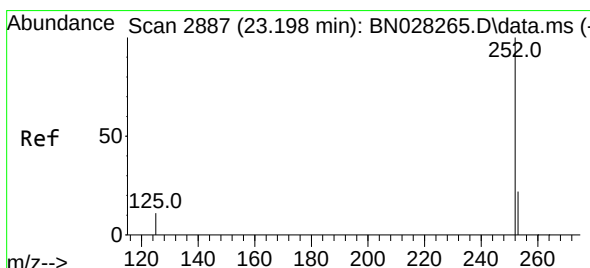
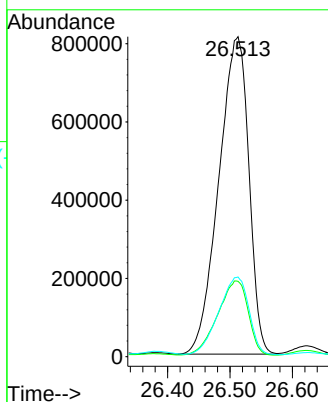
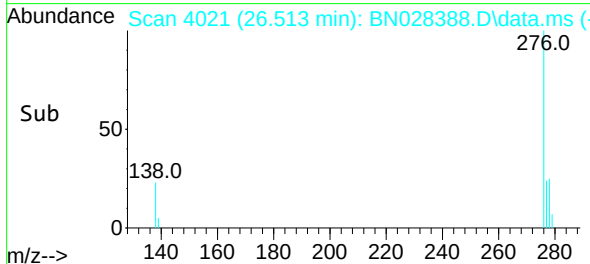
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:276 Resp: 271600
Ion Ratio Lower Upper
276 100
138 23.7 21.3 31.9
277 24.5 20.0 30.0

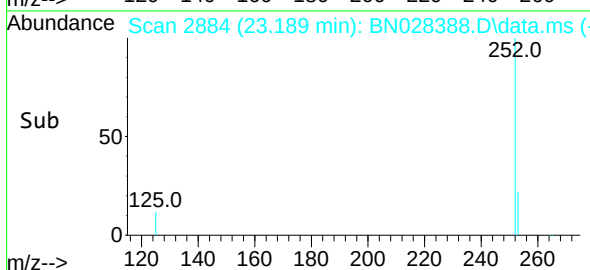
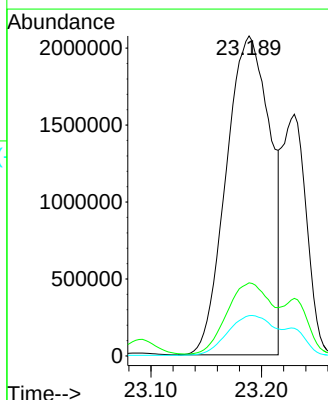
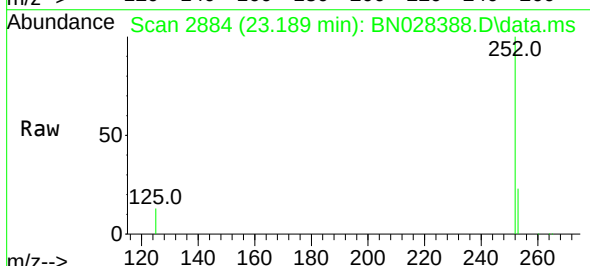
Manual Integrations
APPROVED

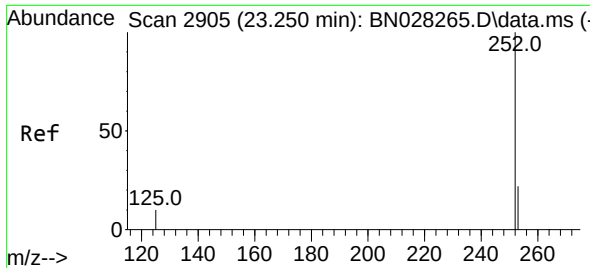
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#37
Benzo(b)fluoranthene
Concen: 117.996 ng
RT: 23.189 min Scan# 2884
Delta R.T. 0.012 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

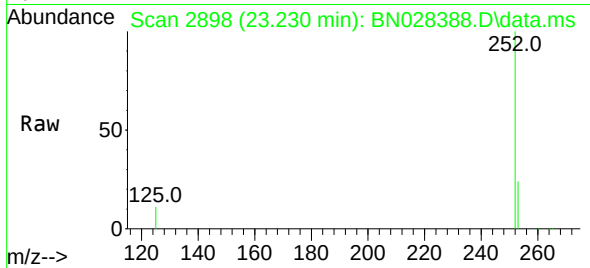
Tgt Ion:252 Resp: 5728574
Ion Ratio Lower Upper
252 100
253 22.8 21.8 32.8
125 12.6 15.6 23.4#





#38
Benzo(k)fluoranthene
Concen: 53.523 ng m
RT: 23.230 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

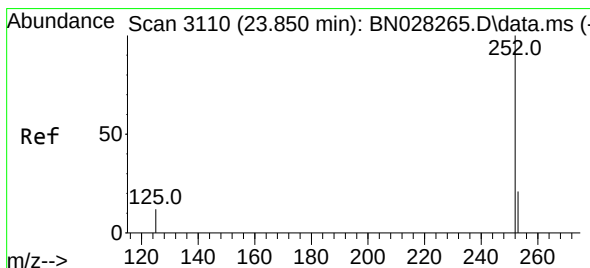
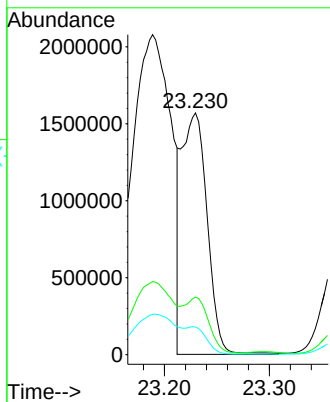
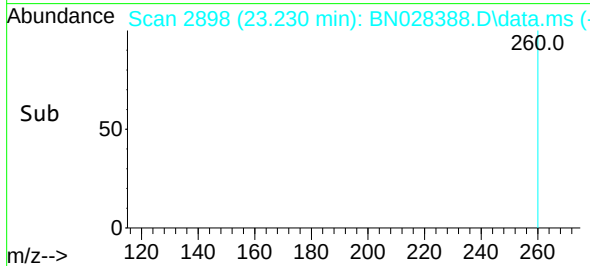
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:252 Resp: 2643334
Ion Ratio Lower Upper
252 100
253 23.8 22.0 33.0
125 11.4 15.3 22.9

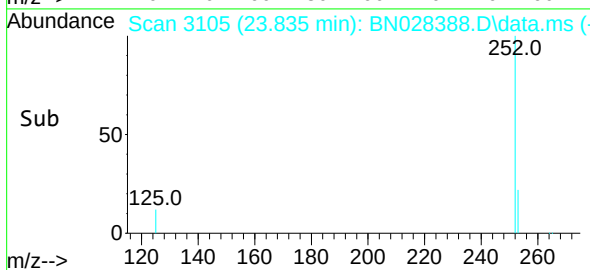
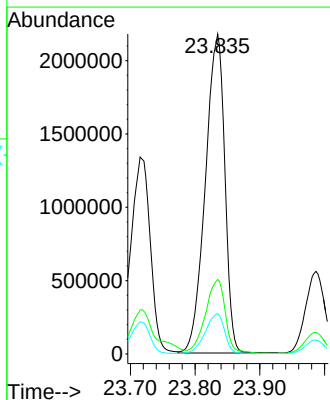
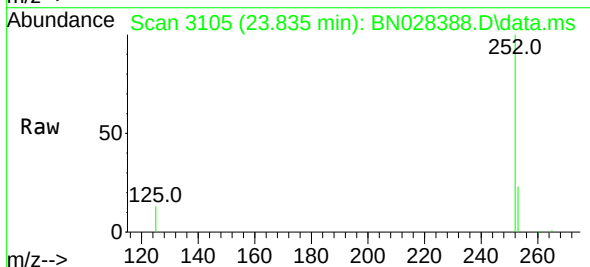
Manual Integrations
APPROVED

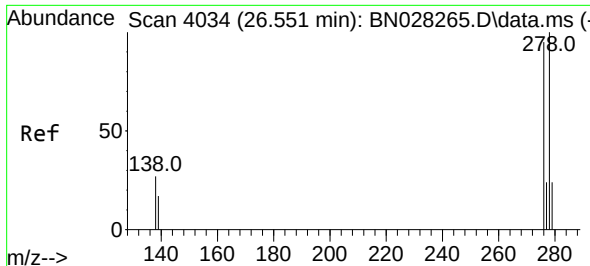
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 93.877 ng
RT: 23.835 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

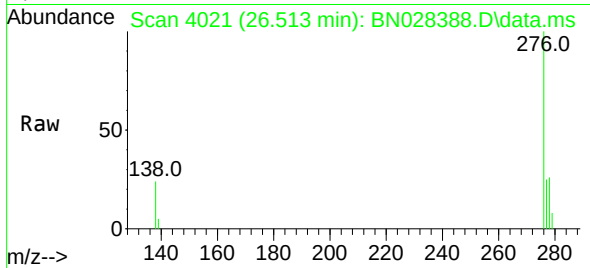
Tgt Ion:252 Resp: 4533792
Ion Ratio Lower Upper
252 100
253 23.3 22.7 34.1
125 12.6 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 16.004 ng
RT: 26.513 min Scan# 4034
Delta R.T. -0.006 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

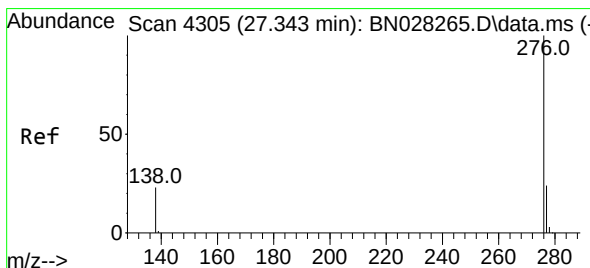
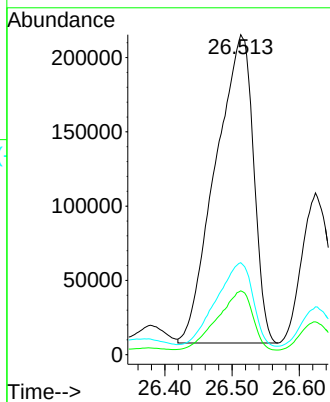
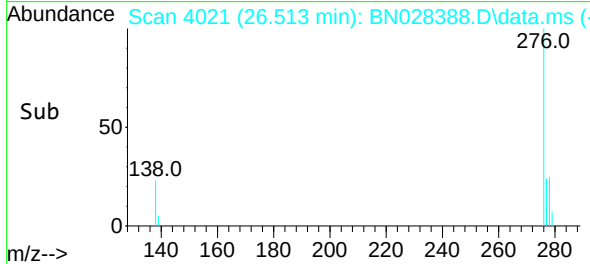
Instrument :
BNA_N
ClientSampleId :
A-2(0-2)



Tgt Ion:278 Resp: 81357
Ion Ratio Lower Upper
278 100
139 20.0 18.8 28.2
279 28.8 23.5 35.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#41
Benzo(g,h,i)perylene
Concen: 45.803 ng
RT: 27.323 min Scan# 4298
Delta R.T. 0.018 min
Lab File: BN028388.D
Acq: 24 Oct 2023 23:38

Tgt Ion:276 Resp: 2404059
Ion Ratio Lower Upper
276 100
277 24.6 21.7 32.5
138 23.8 21.7 32.5

