

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028392.D
 Acq On : 25 Oct 2023 02:02
 Operator : MA/JU
 Sample : 04938-13 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-7(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Oct 25 03:08:22 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	4754	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	16161	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	8735	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	13455	0.400	ng	#-0.01
29) Chrysene-d12	21.488	240	9465	0.400	ng	# 0.00
35) Perylene-d12	23.937	264	17233	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	548	0.037	ng	0.00
5) Phenol-d6	7.062	99	646	0.036	ng	0.00
8) Nitrobenzene-d5	9.080	82	744	0.052	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	887	0.037	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	114	0.027	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	1161	0.038	ng	-0.02
27) Fluoranthene-d10	19.346	212	1255	0.035	ng	0.02
31) Terphenyl-d14	19.890	244	5711	0.284	ng	-0.03
Target Compounds						Qvalue
9) Naphthalene	10.735	128	153249	3.656	ng	97
12) 2-Methylnaphthalene	12.343	142	54026	1.814	ng	97
16) Acenaphthylene	14.245	152	294300	7.498	ng	99
17) Acenaphthene	14.587	154	245524	9.927	ng	100
18) Fluorene	15.568	166	289455	8.891	ng	98
25) Phenanthrene	17.331	178	4522407	122.790	ng	100
26) Anthracene	17.418	178	1328588	37.769	ng	# 95
28) Fluoranthene	19.365	202	11512124	248.805	ng	98
30) Pyrene	19.732	202	10994614	339.471	ng	98
32) Benzo(a)anthracene	21.471	228	6864600	204.156	ng	99
33) Chrysene	21.533	228	6036990	187.591	ng	95
34) Bis(2-ethylhexyl)phtha...	21.336	149	13726	0.534	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.542	276	5636454	81.127	ng	96
37) Benzo(b)fluoranthene	23.200	252	10072069	186.985	ng	# 89
38) Benzo(k)fluoranthene	23.241	252	3746980m	68.381	ng	
39) Benzo(a)pyrene	23.849	252	7458281	139.189	ng	# 87
40) Dibenzo(a,h)anthracene	26.539	278	1390216	24.648	ng	95
41) Benzo(g,h,i)perylene	27.352	276	5479188	94.087	ng	96

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

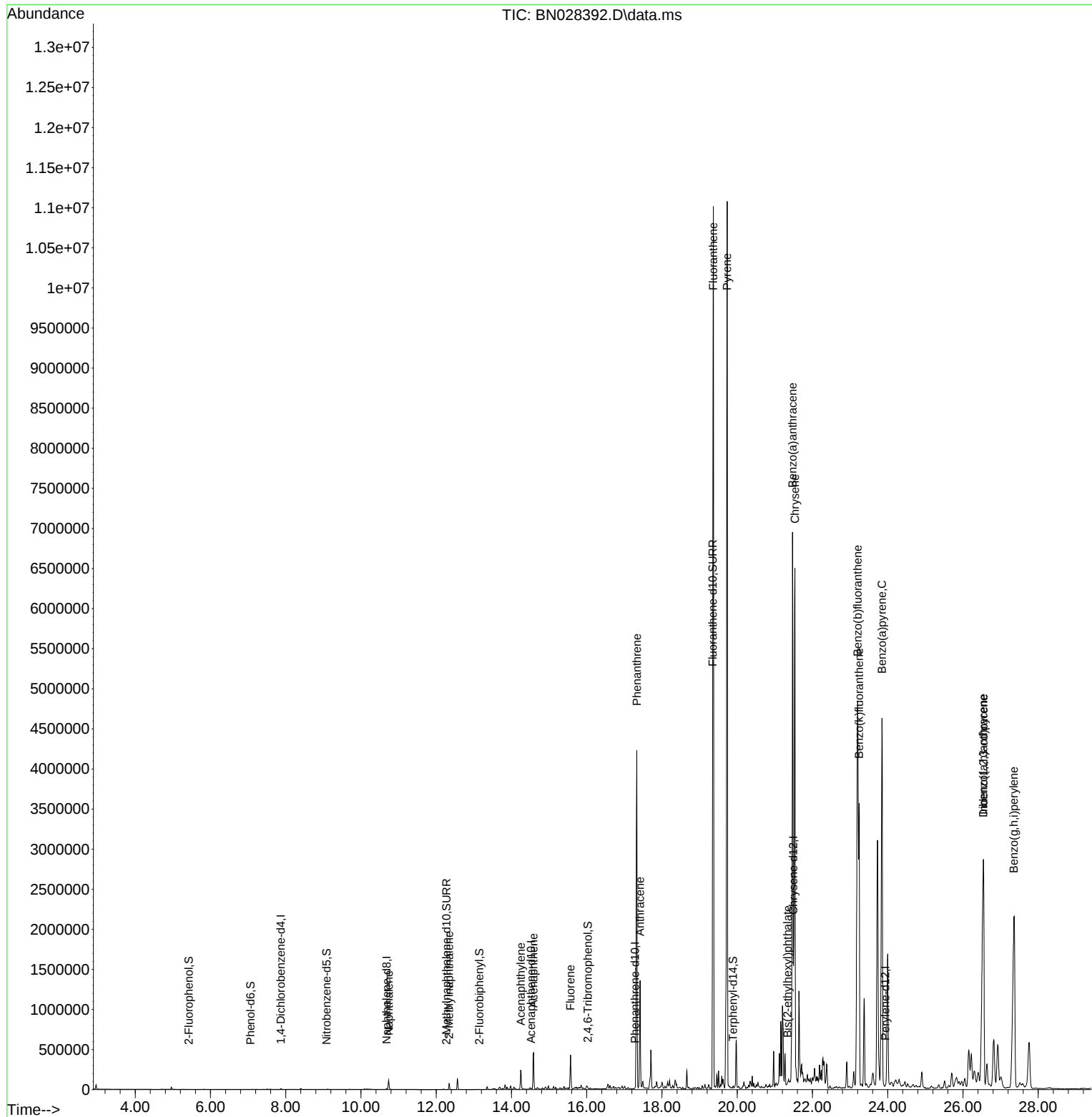
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
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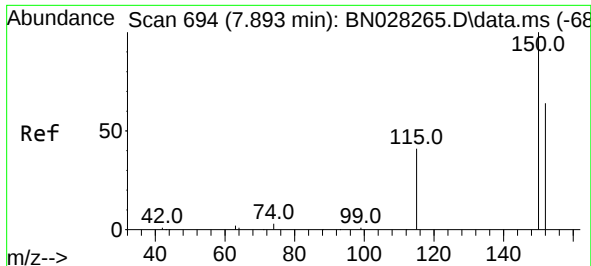
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)

Quant Time: Oct 25 03:08:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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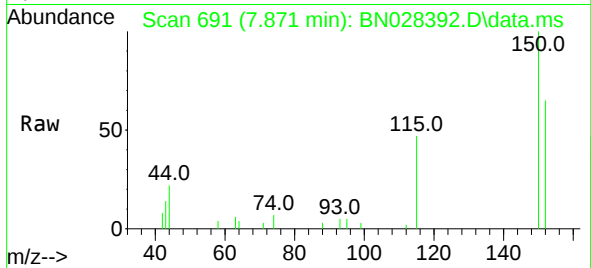
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

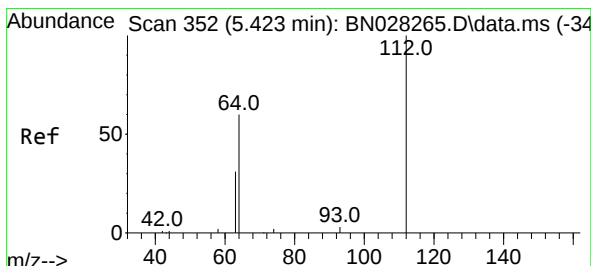
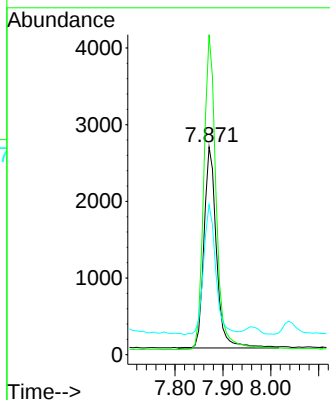
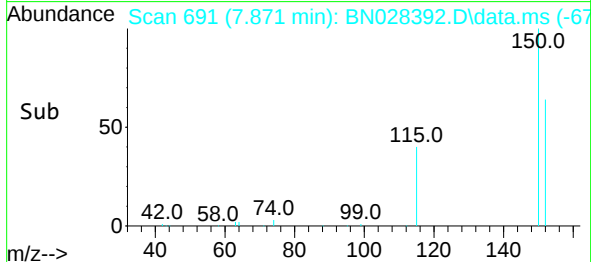
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:152 Resp: 4754
Ion Ratio Lower Upper
152 100
150 154.0 121.6 182.4
115 72.2 54.3 81.5

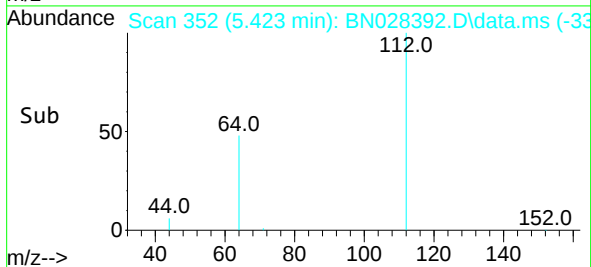
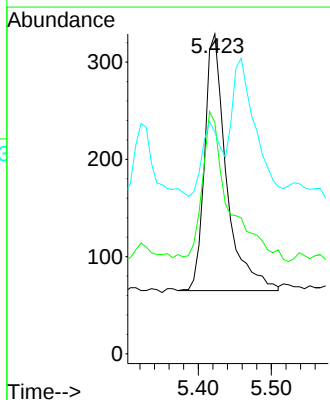
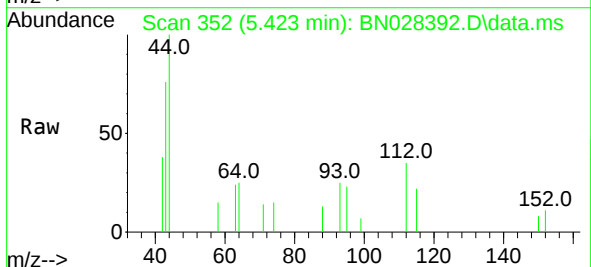
Manual Integrations
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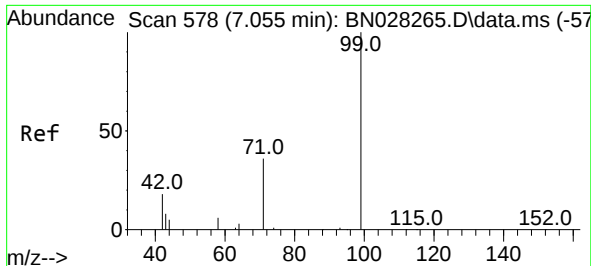
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#4
2-Fluorophenol
Concen: 0.037 ng
RT: 5.423 min Scan# 352
Delta R.T. -0.007 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

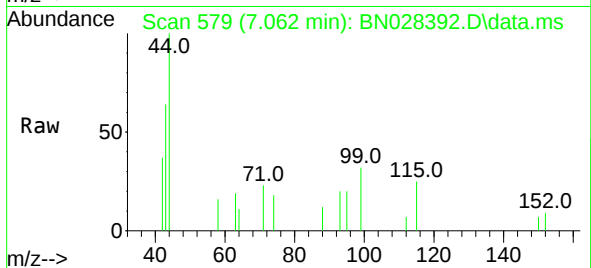
Tgt Ion:112 Resp: 548
Ion Ratio Lower Upper
112 100
64 71.7 46.9 70.3#
63 25.2 25.0 37.4





#5
Phenol-d6
Concen: 0.036 ng
RT: 7.062 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

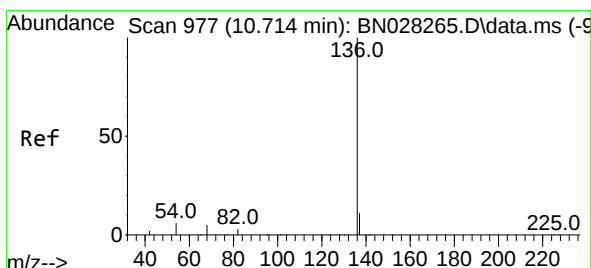
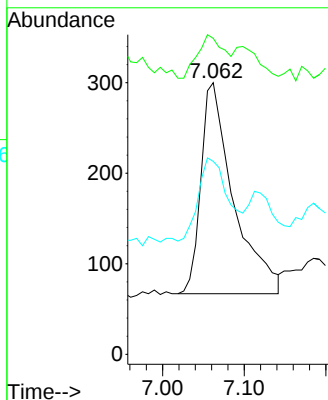
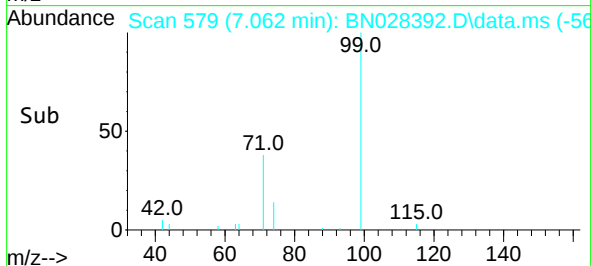
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



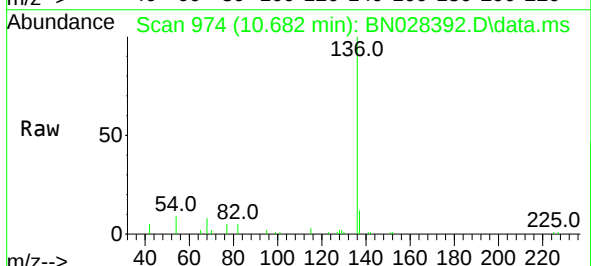
Tgt Ion: 99 Resp: 640
Ion Ratio Lower Upper
99 100
42 17.2 15.9 23.9
71 38.1 28.6 42.8

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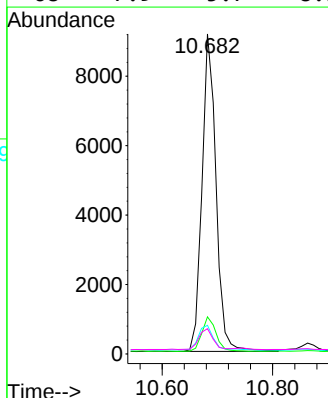
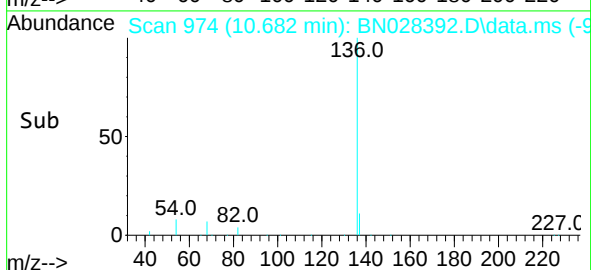
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

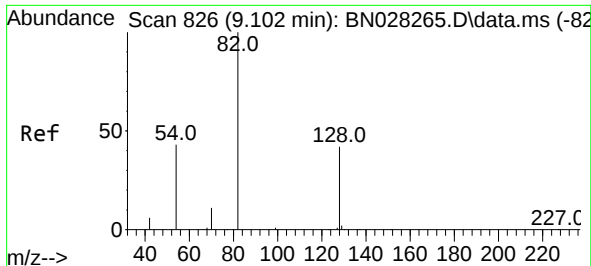


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02



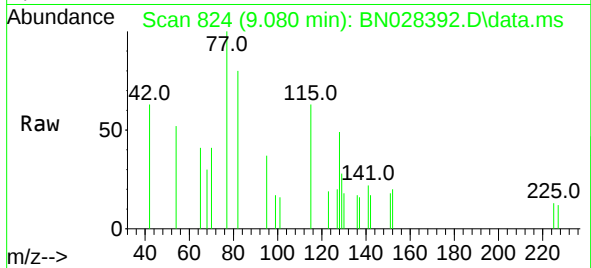
Tgt Ion:136 Resp: 16161
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.8
54 9.0 6.2 9.4
68 7.9 5.7 8.5





#8
Nitrobenzene-d5
Concen: 0.052 ng
RT: 9.080 min Scan# 81
Delta R.T. -0.021 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

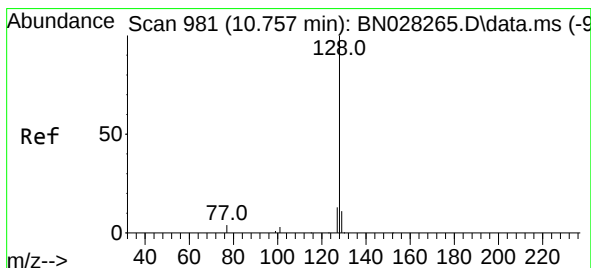
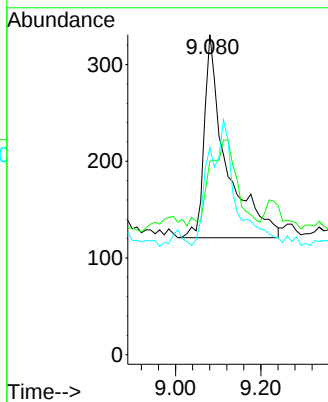
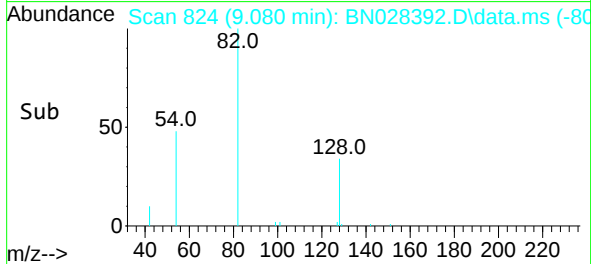
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion: 82 Resp: 744
Ion Ratio Lower Upper
82 100
128 60.4 36.8 55.2
54 64.7 37.4 56.2

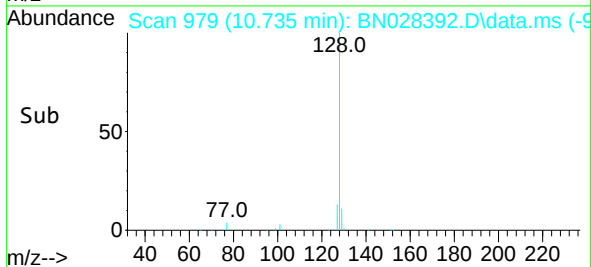
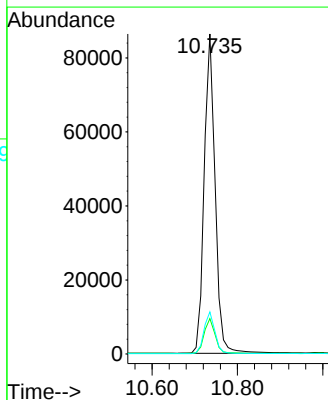
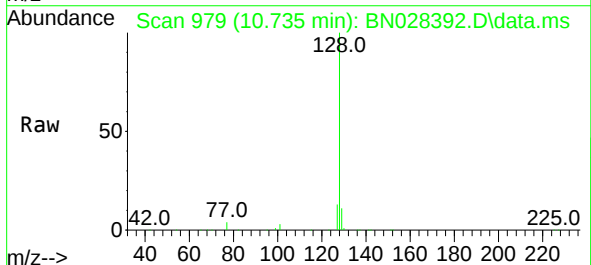
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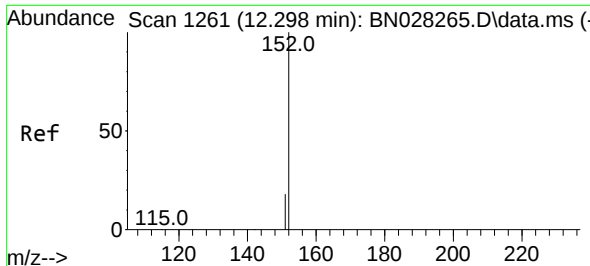
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 3.656 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

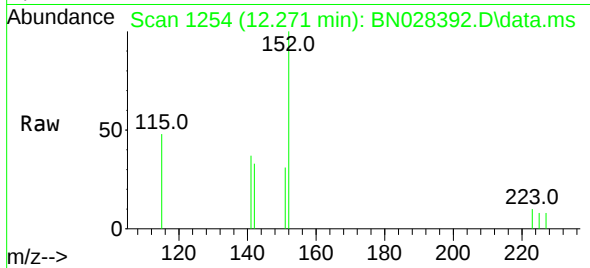
Tgt Ion:128 Resp: 153249
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 13.2 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.037 ng
RT: 12.271 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

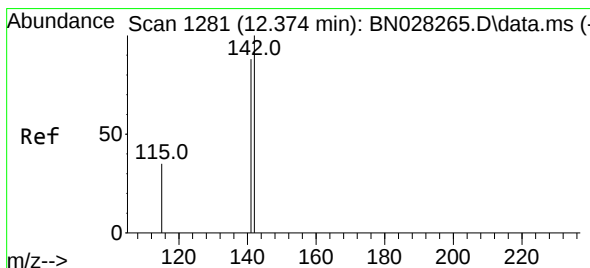
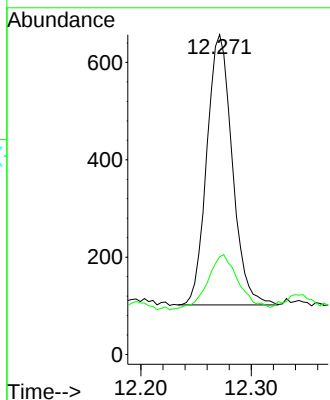
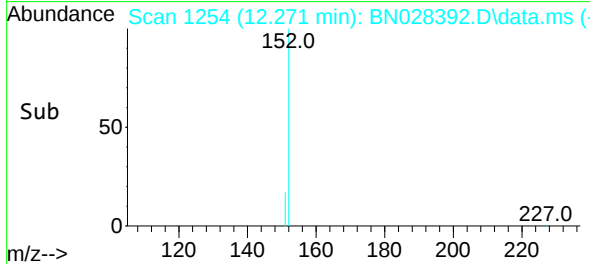
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



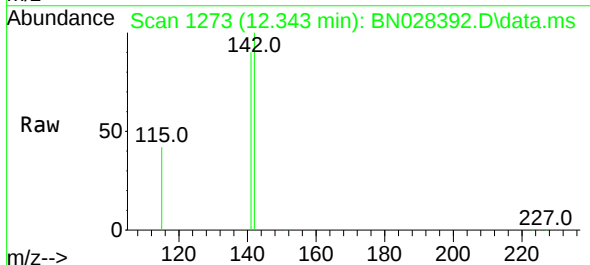
Tgt Ion:152 Resp: 88
Ion Ratio Lower Upper
152 100
151 24.6 16.1 24.1

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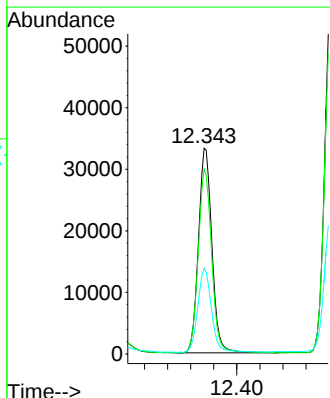
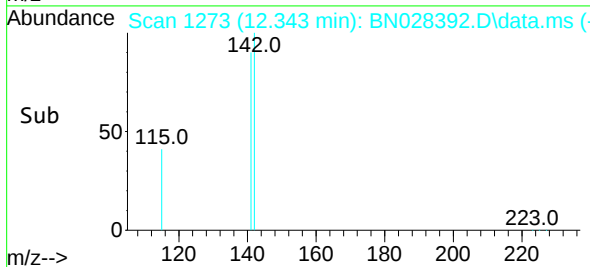
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

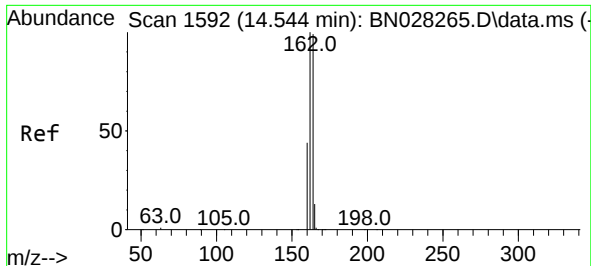


#12
2-Methylnaphthalene
Concen: 1.814 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02



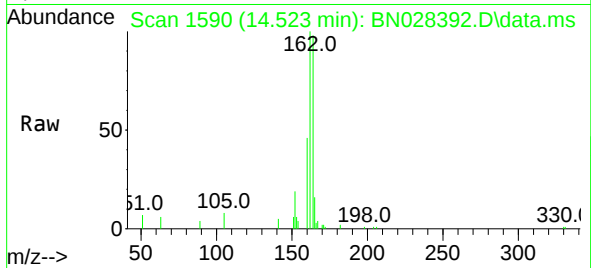
Tgt Ion:142 Resp: 54026
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7
115 41.6 29.9 44.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

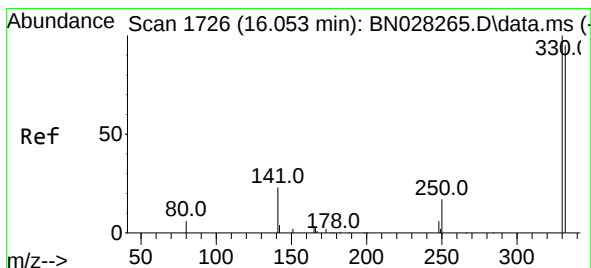
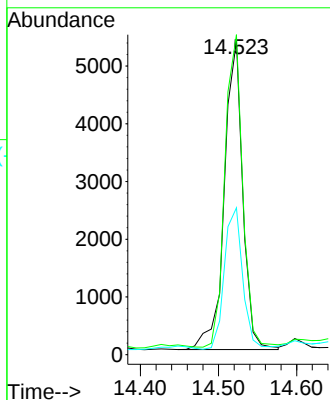
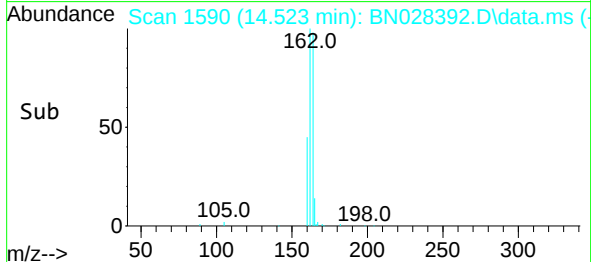
Instrument :
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A-7(0-2)



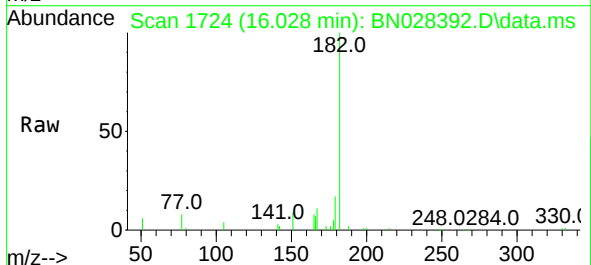
Tgt Ion:164 Resp: 873
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 46.9 36.6 54.8

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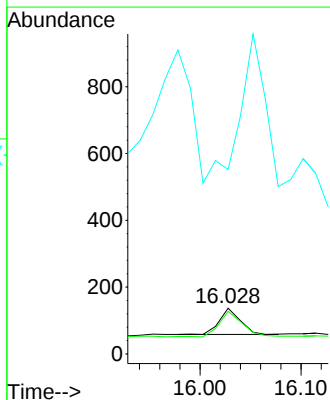
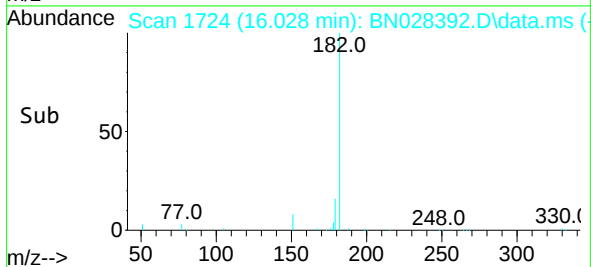
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

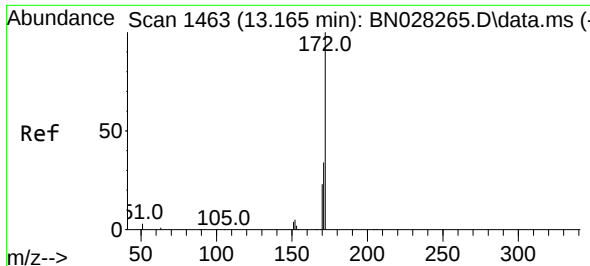


#14
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 16.028 min Scan# 1724
Delta R.T. -0.037 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02



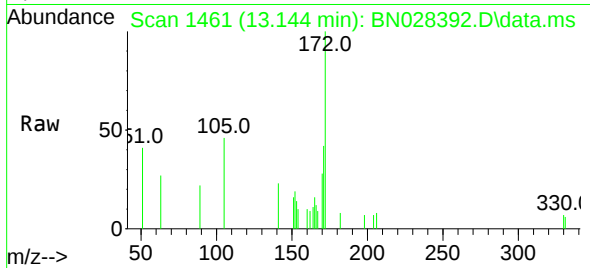
Tgt Ion:330 Resp: 114
Ion Ratio Lower Upper
330 100
332 103.5 74.1 111.1
141 0.0 32.1 48.1#





#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 13.144 min Scan# 1463
Delta R.T. -0.021 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

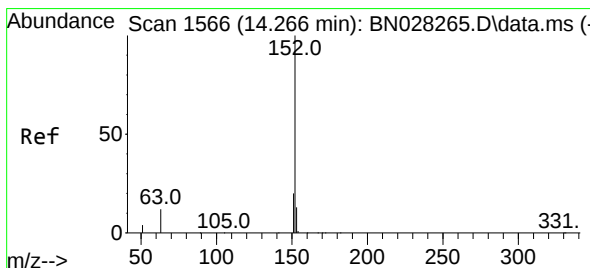
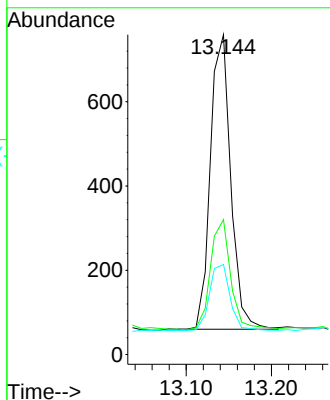
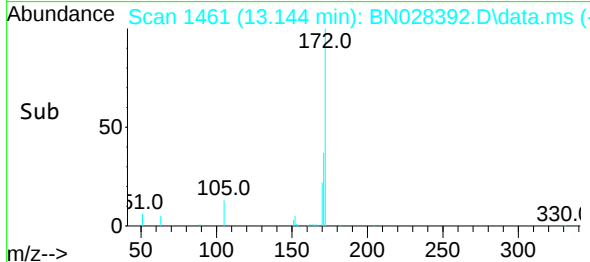
Instrument :
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ClientSampleId :
A-7(0-2)



Tgt Ion:172 Resp: 116
Ion Ratio Lower Upper
172 100
171 42.2 28.3 42.5
170 28.2 18.7 28.1

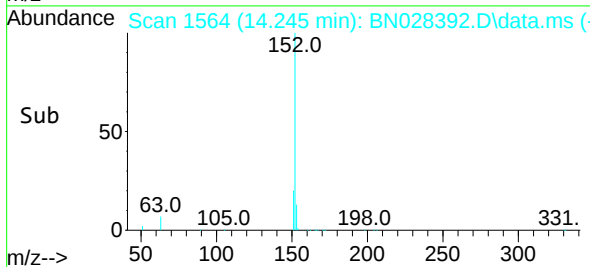
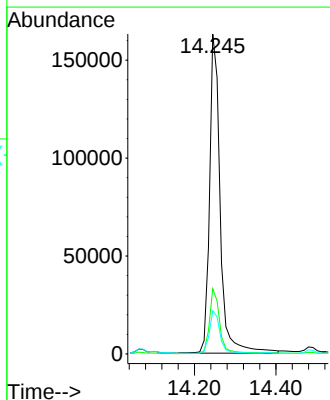
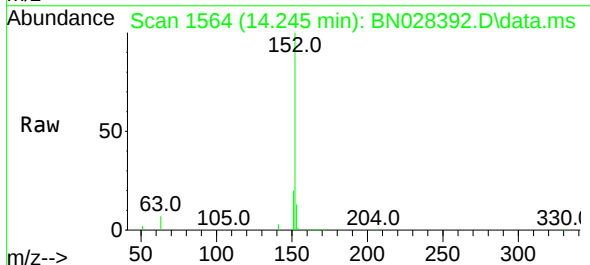
Manual Integrations
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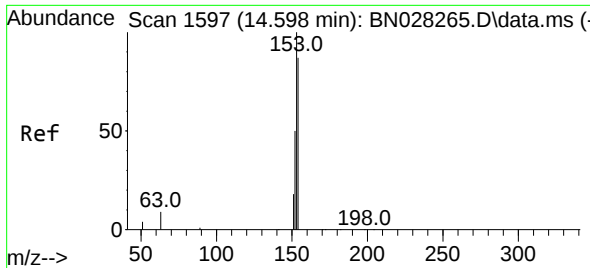
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#16
Acenaphthylene
Concen: 7.498 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

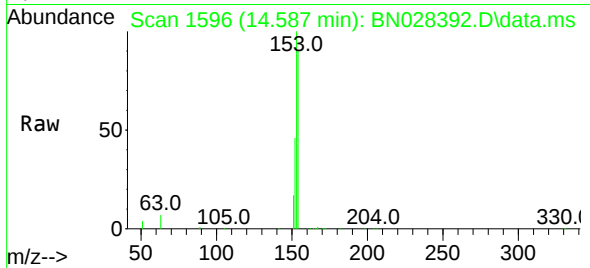
Tgt Ion:152 Resp: 294300
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 13.4 10.6 16.0





#17
Acenaphthene
Concen: 9.927 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

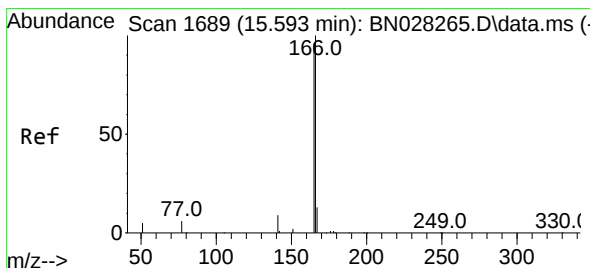
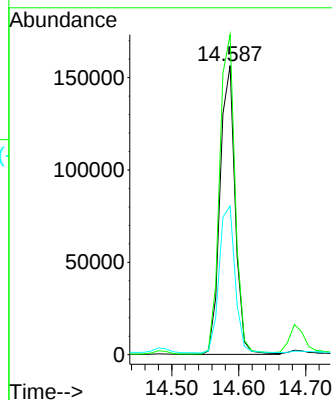
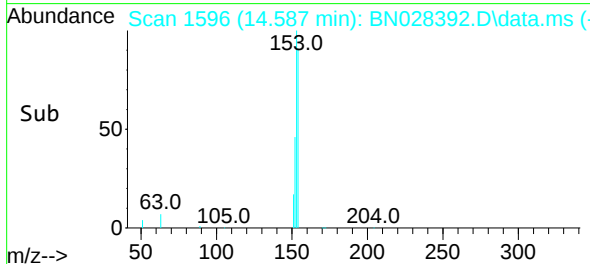
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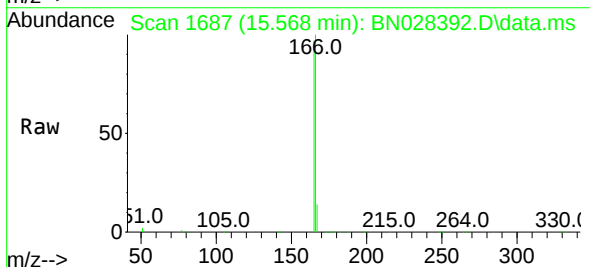
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Ion Ratio Lower Upper
154 100
153 113.5 90.7 136.1
152 53.5 43.6 65.4

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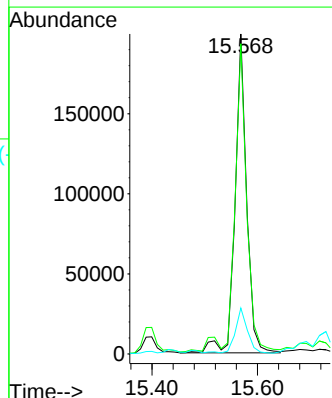
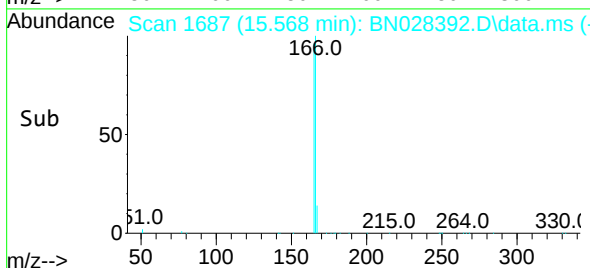
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

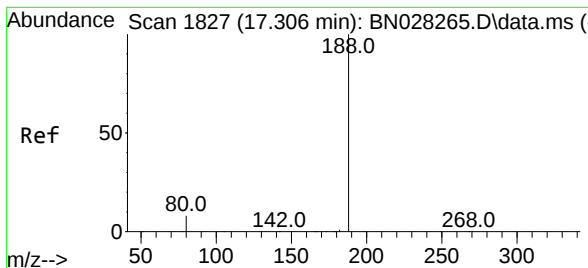


#18
Fluorene
Concen: 8.891 ng
RT: 15.568 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02



Tgt Ion:166 Resp: 289455
Ion Ratio Lower Upper
166 100
165 100.8 79.3 118.9
167 15.4 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: BN028392.D

Acq: 25 Oct 2023 02:02

Instrument :

BNA_N

ClientSampleId :

A-7(0-2)

Tgt Ion:188 Resp: 1345

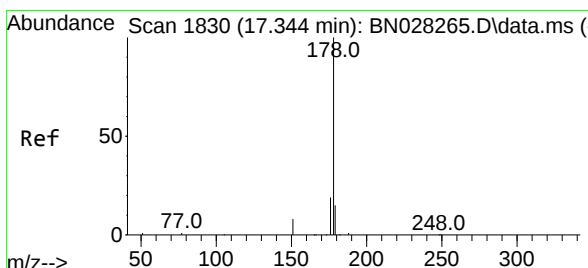
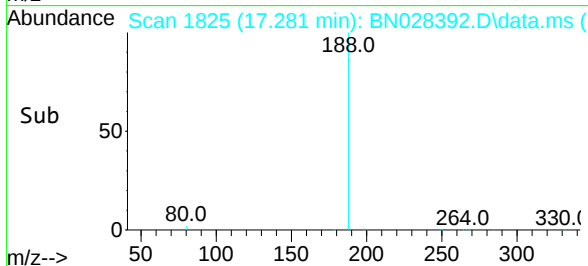
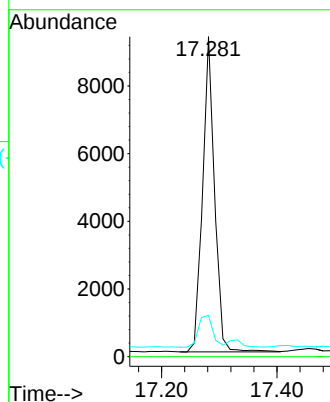
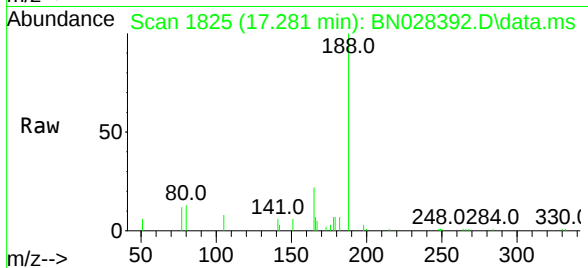
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	7.1	10.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#25

Phenanthrene

Concen: 122.790 ng

RT: 17.331 min Scan# 1829

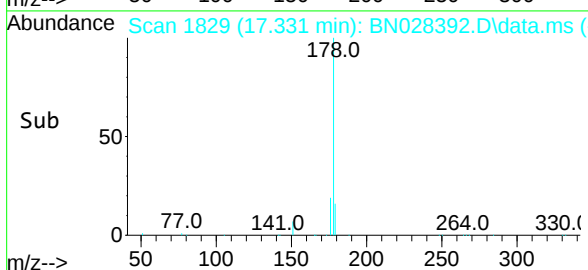
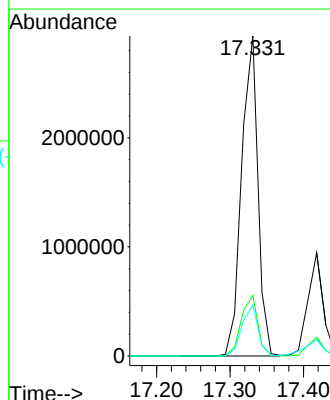
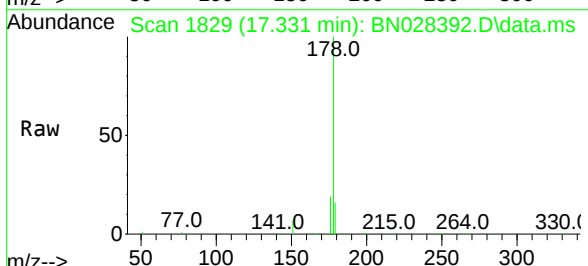
Delta R.T. 0.000 min

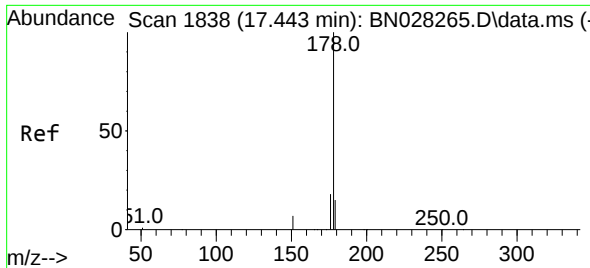
Lab File: BN028392.D

Acq: 25 Oct 2023 02:02

Tgt Ion:178 Resp: 4522407

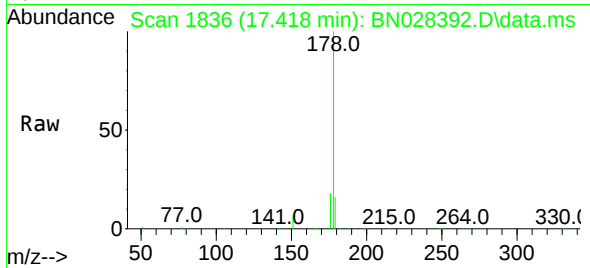
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.8	12.5	18.7





#26
 Anthracene
 Concen: 37.769 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028392.D
 Acq: 25 Oct 2023 02:02

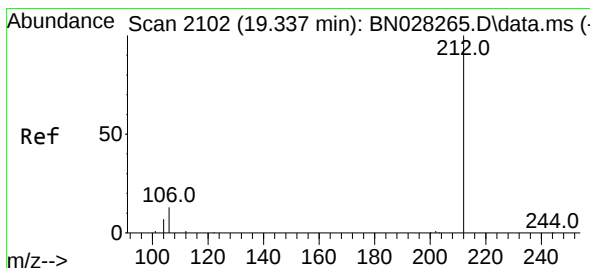
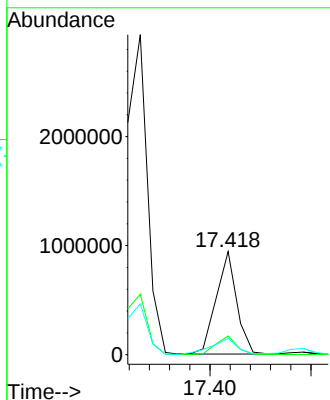
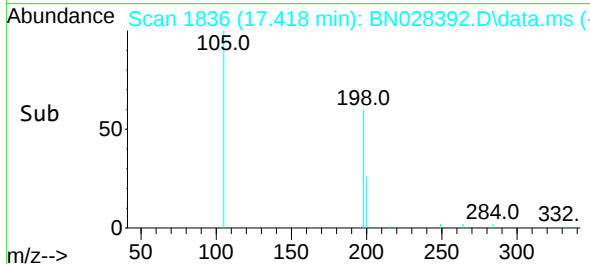
Instrument :
 BNA_N
 ClientSampleId :
 A-7(0-2)



Tgt Ion:178 Resp: 132858
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 19.3 12.2 18.4

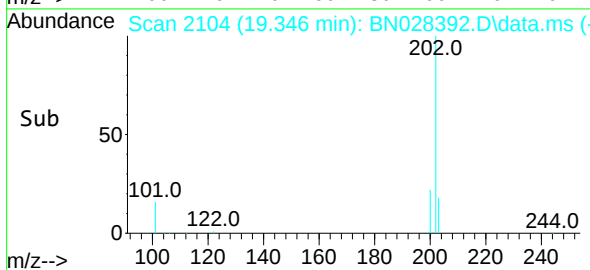
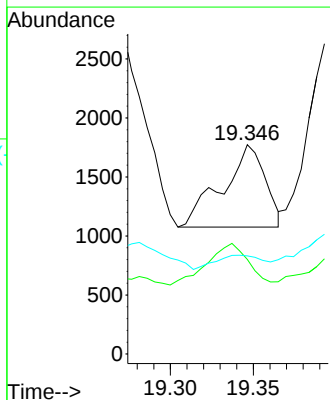
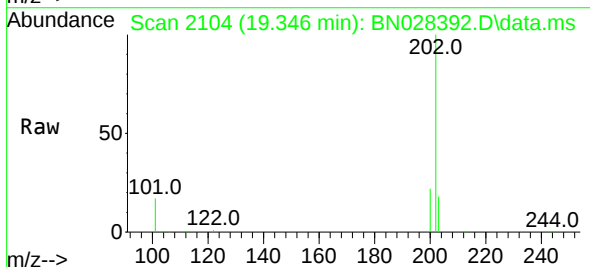
Manual Integrations
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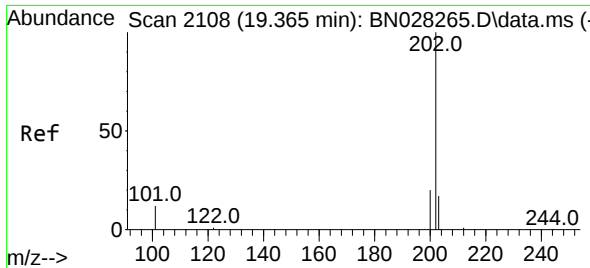
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 19.346 min Scan# 2104
 Delta R.T. 0.019 min
 Lab File: BN028392.D
 Acq: 25 Oct 2023 02:02

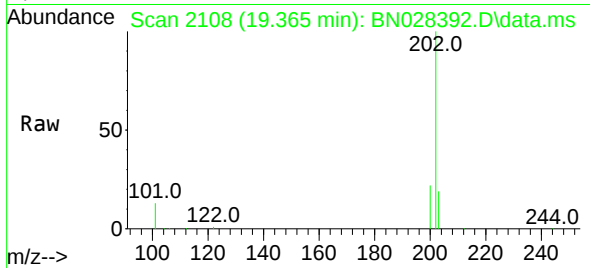
Tgt Ion:212 Resp: 1255
 Ion Ratio Lower Upper
 212 100
 106 48.0 11.5 17.3#
 104 18.8 6.7 10.1#





#28
Fluoranthene
Concen: 248.805 ng
RT: 19.365 min Scan# 2108
Delta R.T. 0.009 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

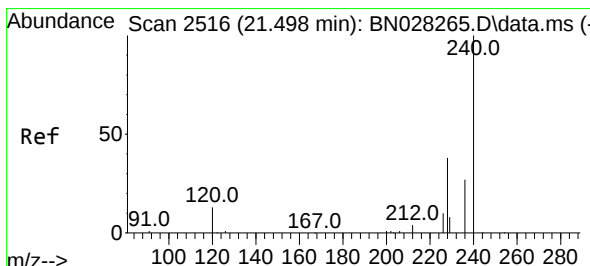
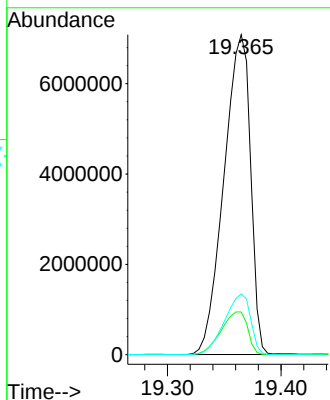
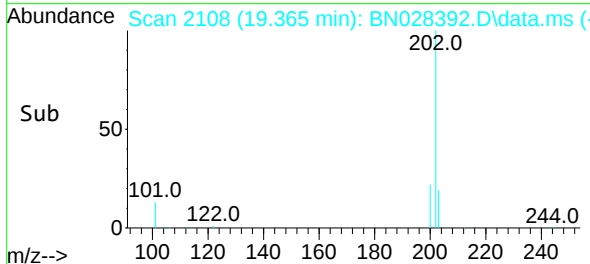
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



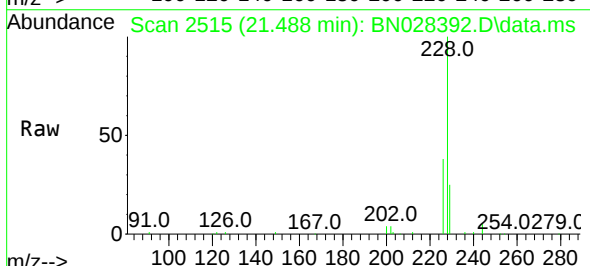
Tgt Ion:202 Resp:11512124
Ion Ratio Lower Upper
202 100
101 13.4 10.1 15.1
203 18.6 13.9 20.9

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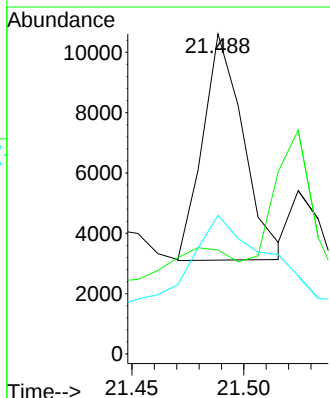
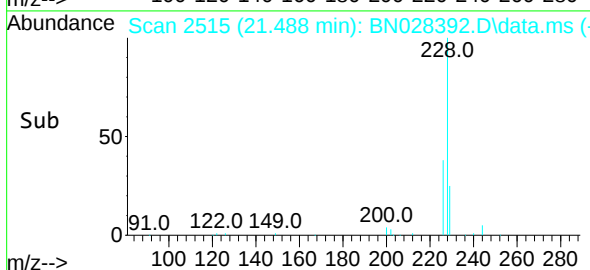
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

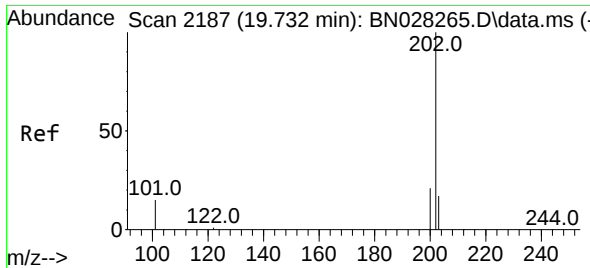


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.488 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02



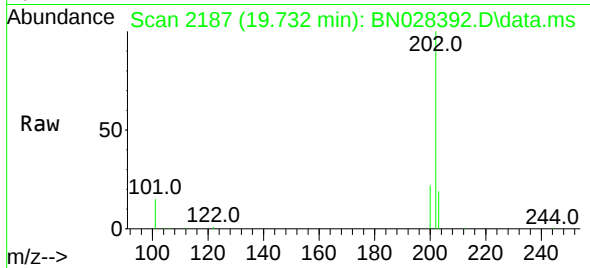
Tgt Ion:240 Resp: 9465
Ion Ratio Lower Upper
240 100
120 32.5 13.4 20.0#
236 43.3 22.7 34.1#





#30
Pyrene
Concen: 339.471 ng
RT: 19.732 min Scan# 2187
Delta R.T. 0.005 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

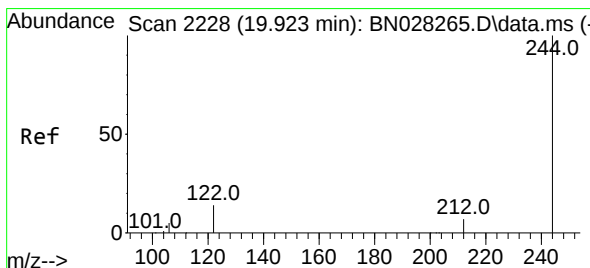
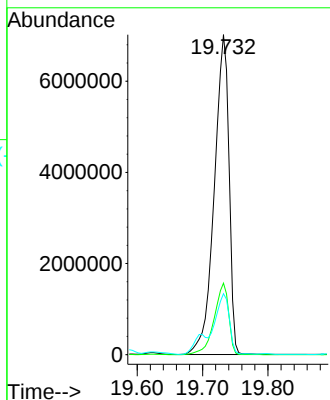
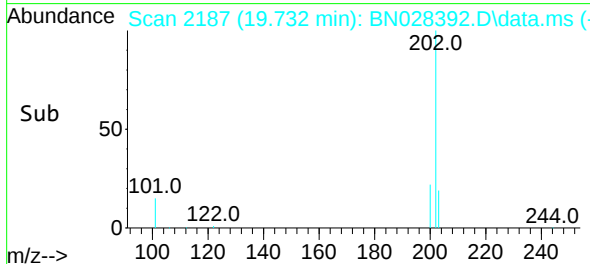
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:202 Resp:10994614
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 17.3 14.5 21.7

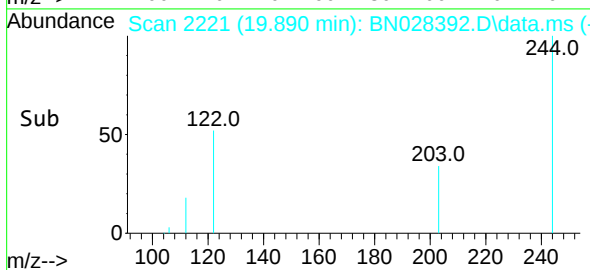
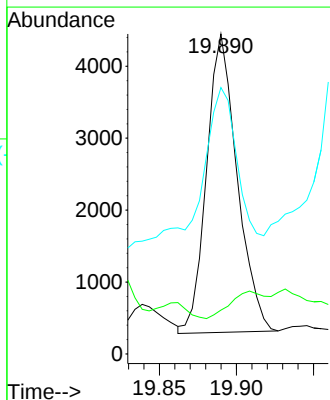
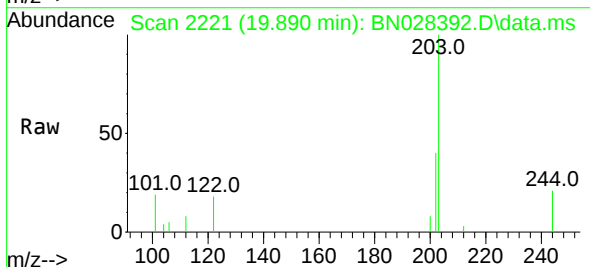
Manual Integrations
APPROVED

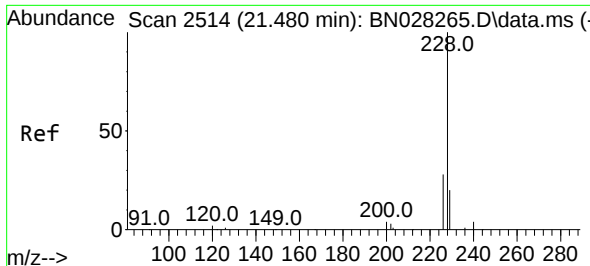
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#31
Terphenyl-d14
Concen: 0.284 ng
RT: 19.890 min Scan# 2221
Delta R.T. -0.028 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

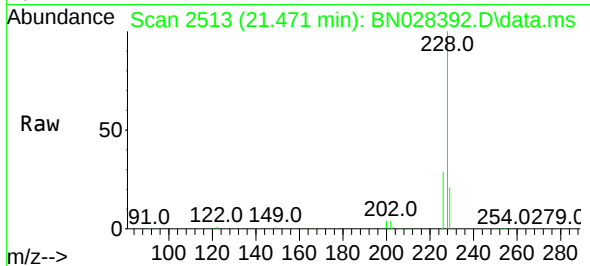
Tgt Ion:244 Resp: 5711
Ion Ratio Lower Upper
244 100
212 13.7 6.6 10.0#
122 83.3 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 204.156 ng
RT: 21.471 min Scan# 2147
Delta R.T. 0.000 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

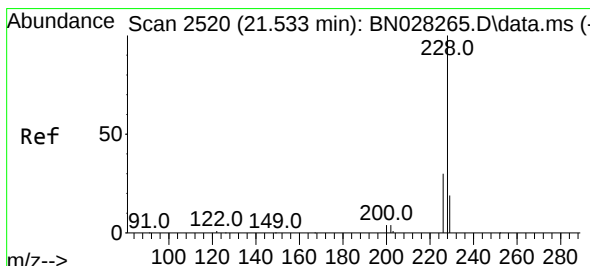
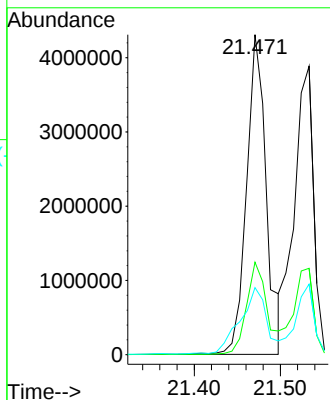
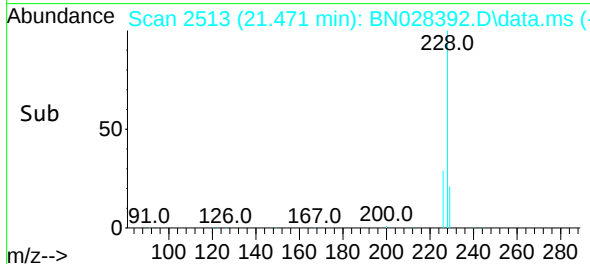
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:228 Resp: 6864600
Ion Ratio Lower Upper
228 100
226 28.9 22.9 34.3
229 21.0 16.6 24.8

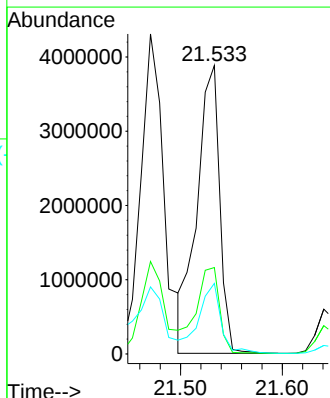
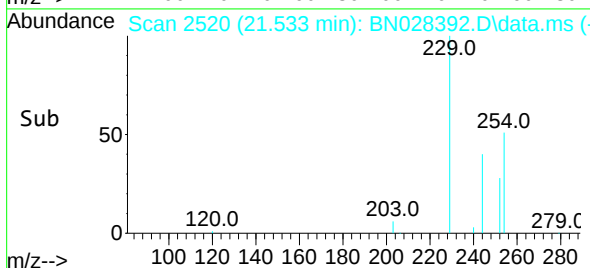
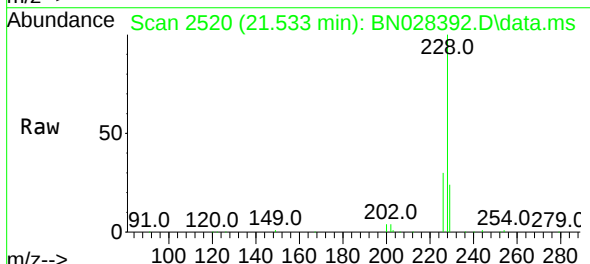
Manual Integrations
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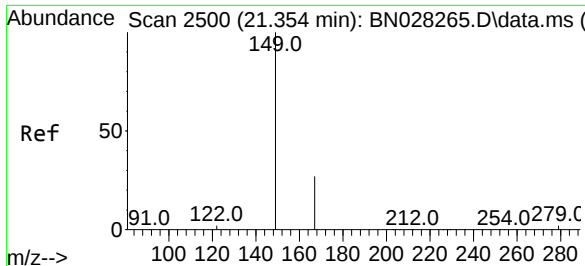
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#33
Chrysene
Concen: 187.591 ng
RT: 21.533 min Scan# 2520
Delta R.T. 0.009 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

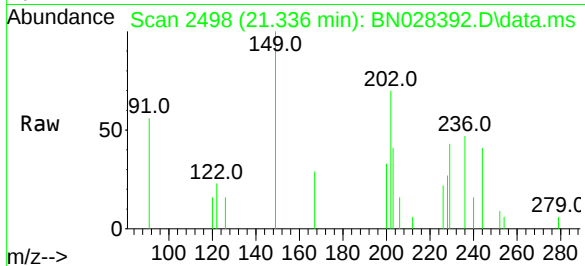
Tgt Ion:228 Resp: 6036990
Ion Ratio Lower Upper
228 100
226 30.0 25.2 37.8
229 24.5 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.534 ng
RT: 21.336 min Scan# 2498
Delta R.T. -0.009 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

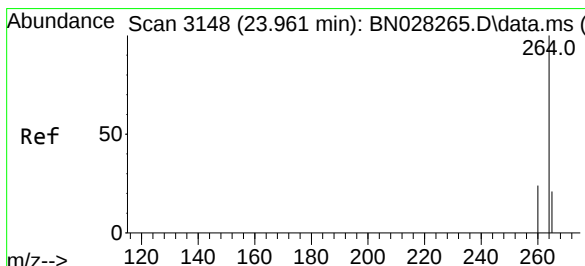
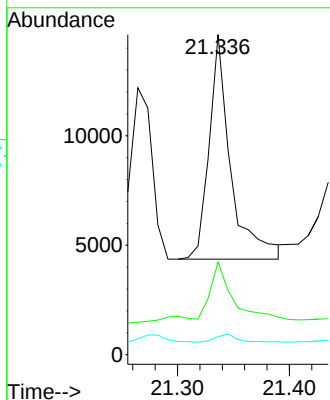
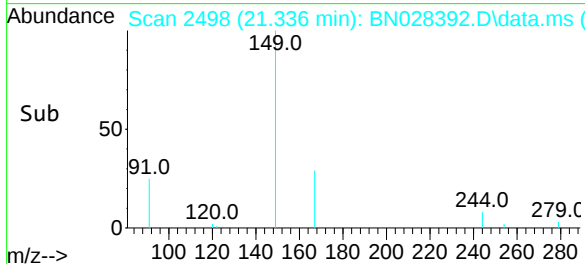
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:149 Resp: 13720
Ion Ratio Lower Upper
149 100
167 33.7 22.6 34.0
279 3.6 4.2 6.2

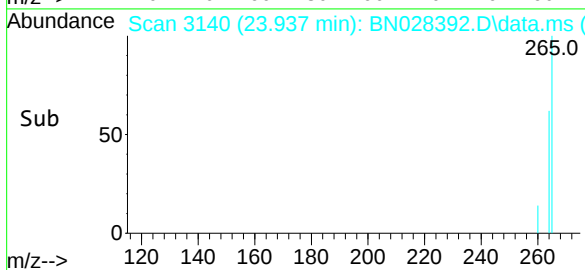
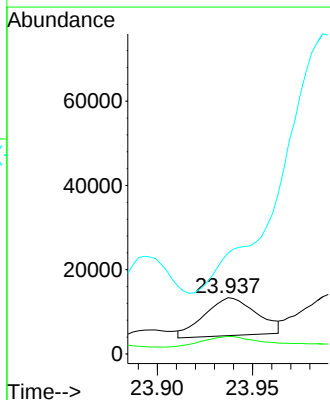
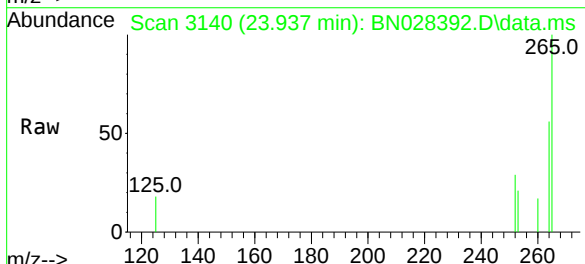
Manual Integrations
APPROVED

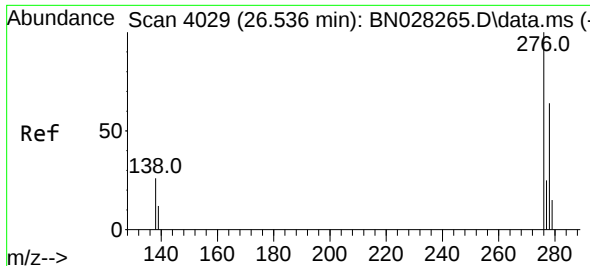
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.937 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

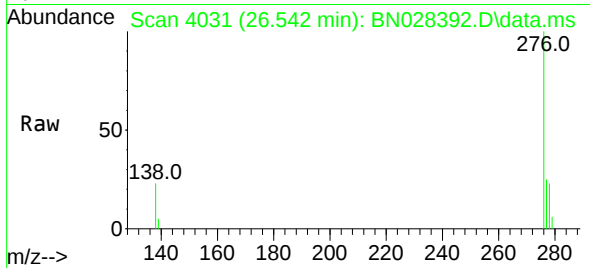
Tgt Ion:264 Resp: 17233
Ion Ratio Lower Upper
264 100
260 31.2 20.7 31.1#
265 179.2 38.3 57.5#





#36
Indeno(1,2,3-cd)pyrene
Concen: 81.127 ng
RT: 26.542 min Scan# 4029
Delta R.T. 0.038 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

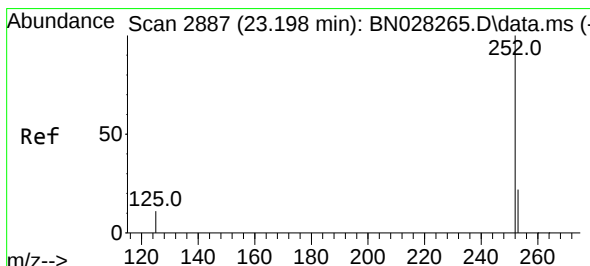
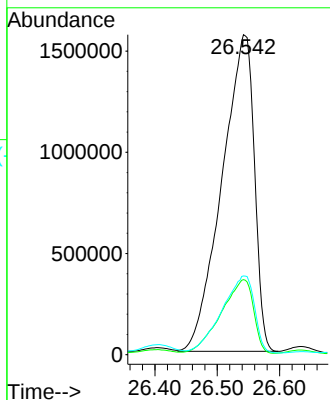
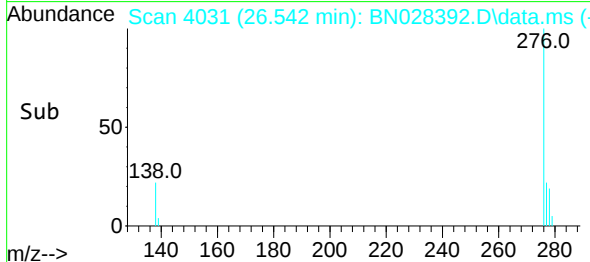
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:276 Resp: 5636454
Ion Ratio Lower Upper
276 100
138 23.3 21.3 31.9
277 24.7 20.0 30.0

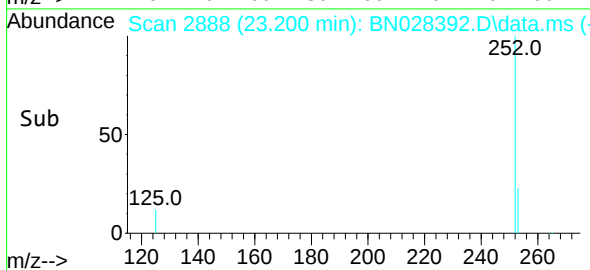
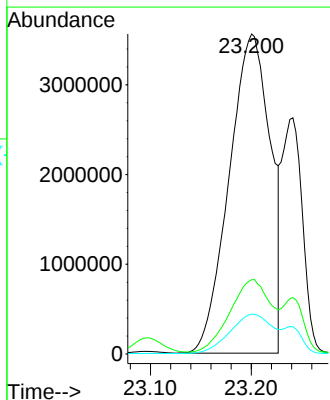
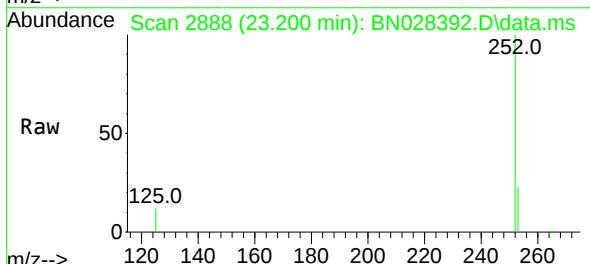
Manual Integrations
APPROVED

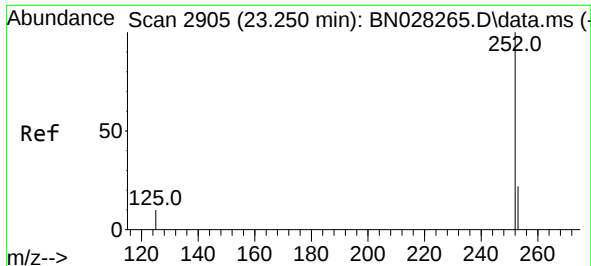
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#37
Benzo(b)fluoranthene
Concen: 186.985 ng
RT: 23.200 min Scan# 2888
Delta R.T. 0.023 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

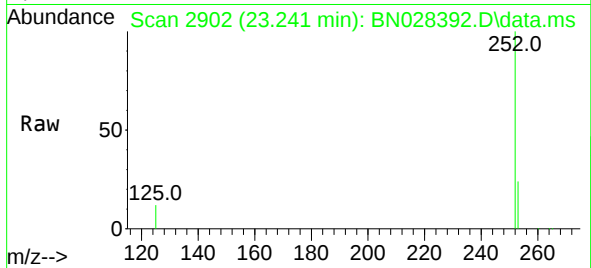
Tgt Ion:252 Resp:10072069
Ion Ratio Lower Upper
252 100
253 23.2 21.8 32.8
125 12.5 15.6 23.4#





#38
Benzo(k)fluoranthene
Concen: 68.381 ng m
RT: 23.241 min Scan# 2905
Delta R.T. 0.015 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

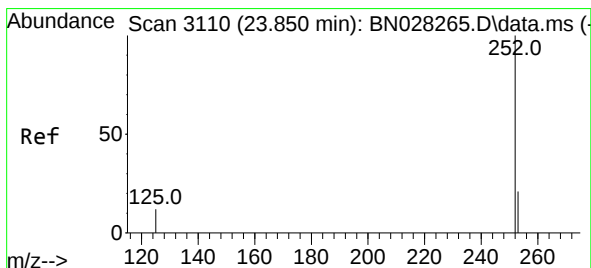
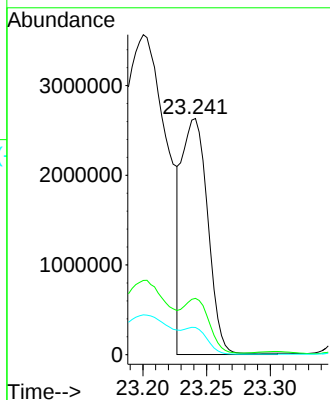
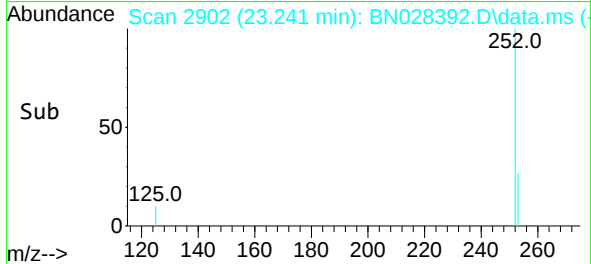
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:252 Resp: 3746980
Ion Ratio Lower Upper
252 100
253 23.9 22.0 33.0
125 11.5 15.3 22.9

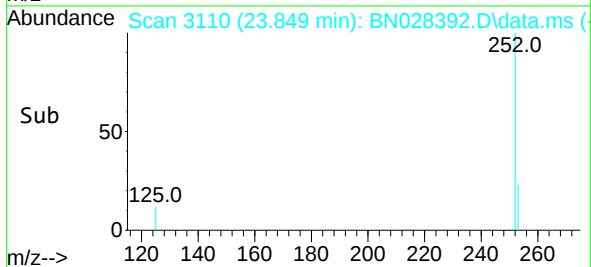
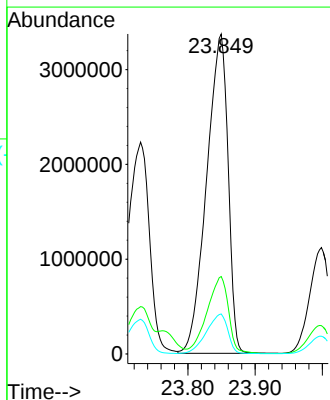
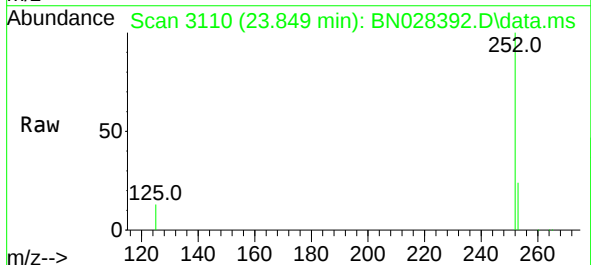
Manual Integrations
APPROVED

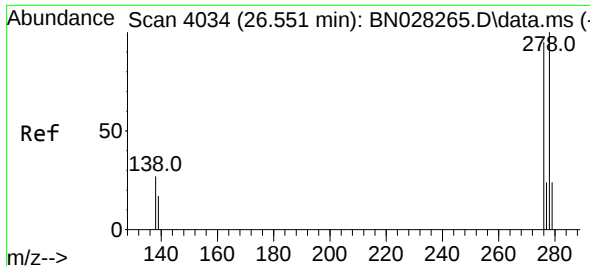
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 139.189 ng
RT: 23.849 min Scan# 3110
Delta R.T. 0.020 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

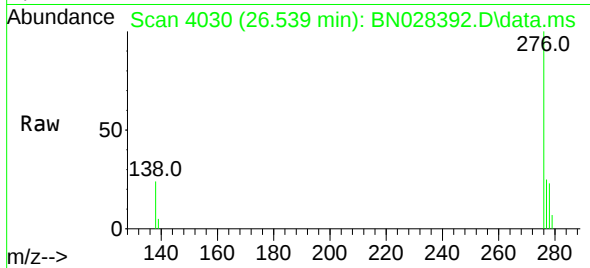
Tgt Ion:252 Resp: 7458281
Ion Ratio Lower Upper
252 100
253 24.2 22.7 34.1
125 12.5 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 24.648 ng
RT: 26.539 min Scan# 4030
Delta R.T. 0.020 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

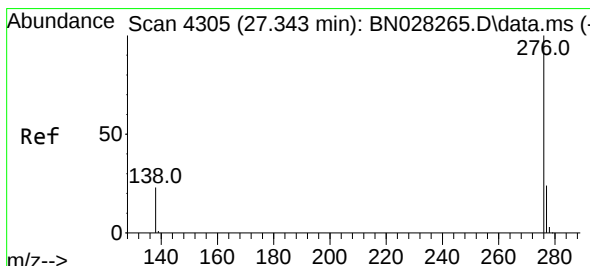
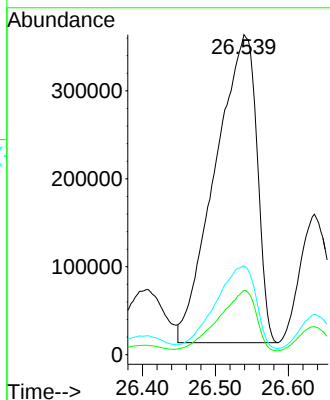
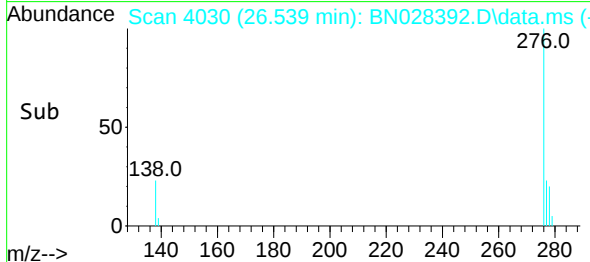
Instrument :
BNA_N
ClientSampleId :
A-7(0-2)



Tgt Ion:278 Resp: 1390210
Ion Ratio Lower Upper
278 100
139 20.1 18.8 28.2
279 27.8 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: 94.087 ng
RT: 27.352 min Scan# 4308
Delta R.T. 0.047 min
Lab File: BN028392.D
Acq: 25 Oct 2023 02:02

Tgt Ion:276 Resp: 5479188
Ion Ratio Lower Upper
276 100
277 25.6 21.7 32.5
138 24.4 21.7 32.5

