

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028391.D
 Acq On : 25 Oct 2023 01:26
 Operator : MA/JU
 Sample : 04938-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Oct 25 03:08:06 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	4662	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	15321	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	7432	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	11965	0.400	ng	#-0.01
29) Chrysene-d12	21.479	240	12279	0.400	ng	# 0.00
35) Perylene-d12	23.922	264	15855	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	2740	0.189	ng	0.00
5) Phenol-d6	7.055	99	4463	0.250	ng	0.00
8) Nitrobenzene-d5	9.070	82	3009	0.221	ng	-0.03
11) 2-Methylnaphthalene-d10	12.271	152	4805	0.209	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	728	0.201	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	6147	0.235	ng	-0.02
27) Fluoranthene-d10	19.318	212	5696	0.178	ng	0.00
31) Terphenyl-d14	19.904	244	5365	0.206	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.735	128	139082	3.500	ng	97
12) 2-Methylnaphthalene	12.343	142	30148	1.068	ng	# 95
16) Acenaphthylene	14.245	152	454297	13.604	ng	100
17) Acenaphthene	14.587	154	25229	1.199	ng	98
18) Fluorene	15.568	166	103910	3.751	ng	97
25) Phenanthrene	17.319	178	1426809	43.564	ng	100
26) Anthracene	17.418	178	474075	15.155	ng	98
28) Fluoranthene	19.351	202	2407679	58.516	ng	99
30) Pyrene	19.718	202	2150578	51.184	ng	99
32) Benzo(a)anthracene	21.462	228	1344189	30.815	ng	100
33) Chrysene	21.515	228	975442	23.364	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	172777	5.185	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.489	276	744498	11.647	ng	96
37) Benzo(b)fluoranthene	23.174	252	1442256	29.102	ng	# 88
38) Benzo(k)fluoranthene	23.215	252	556544m	11.039	ng	
39) Benzo(a)pyrene	23.817	252	1202184m	24.385	ng	
40) Dibenzo(a,h)anthracene	26.495	278	203008	3.912	ng	98
41) Benzo(g,h,i)perylene	27.299	276	707489	13.205	ng	94

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

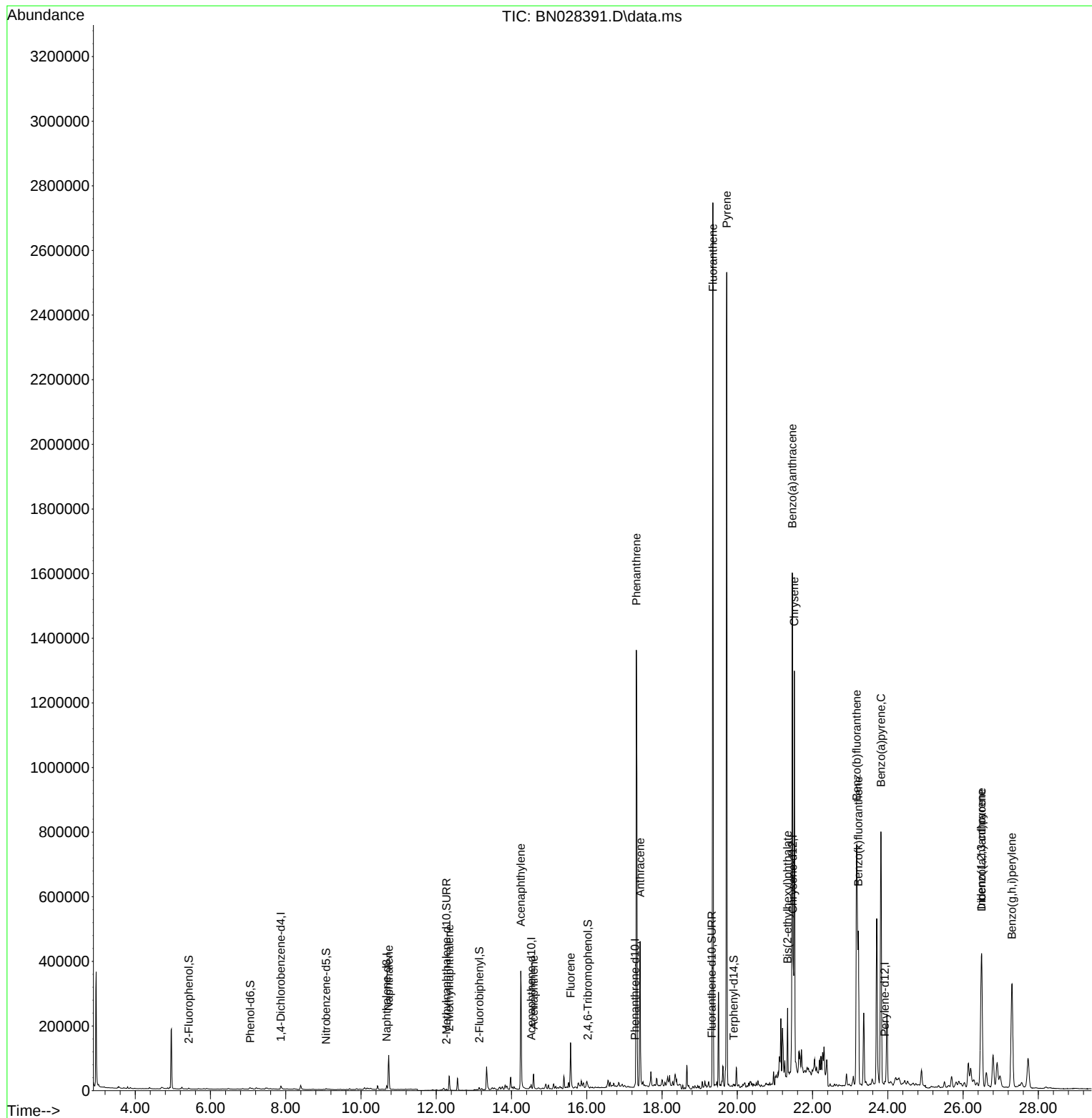
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
Data File : BN028391.D
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ALS Vial : 20 Sample Multiplier: 1

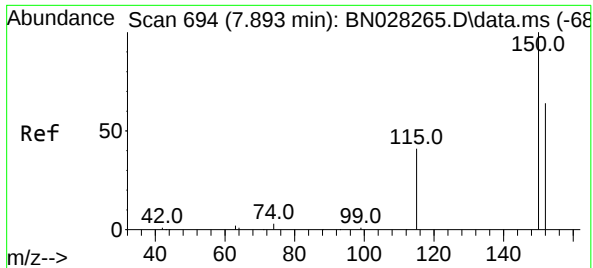
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

Quant Time: Oct 25 03:08:06 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
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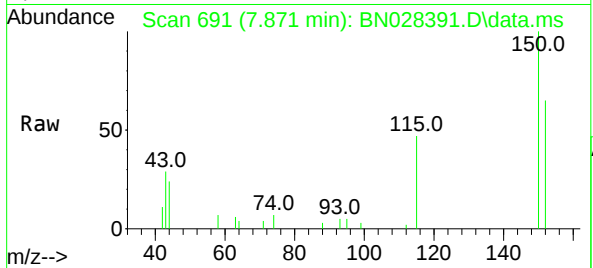
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 691
Delta R.T. -0.007 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

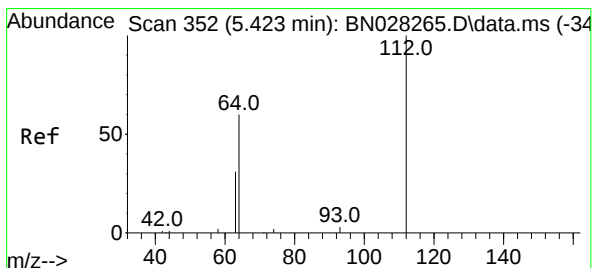
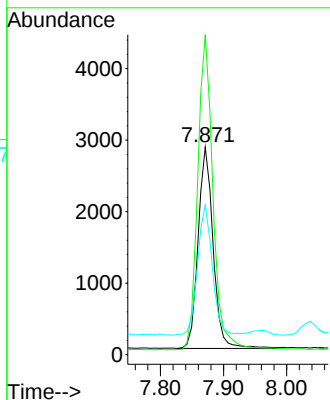
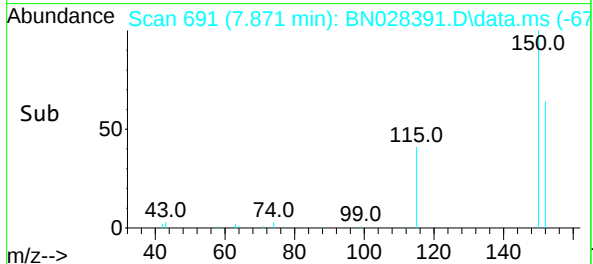
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



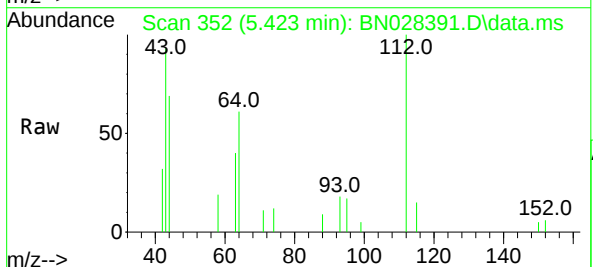
Tgt Ion:152 Resp: 4662
Ion Ratio Lower Upper
152 100
150 154.2 121.6 182.4
115 72.1 54.3 81.5

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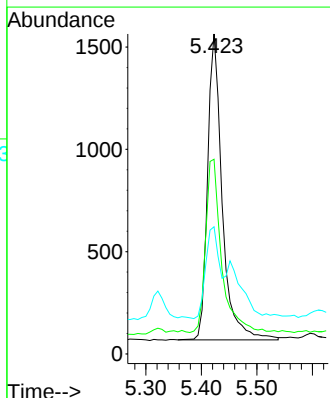
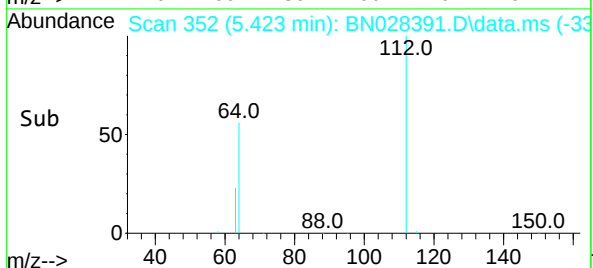
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

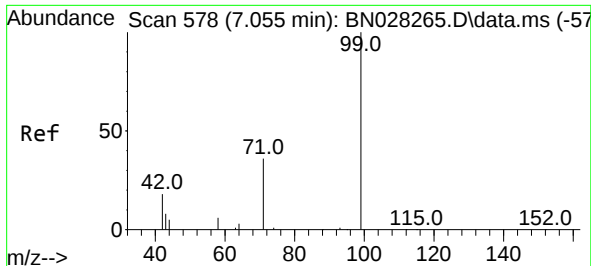


#4
2-Fluorophenol
Concen: 0.189 ng
RT: 5.423 min Scan# 352
Delta R.T. -0.007 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26



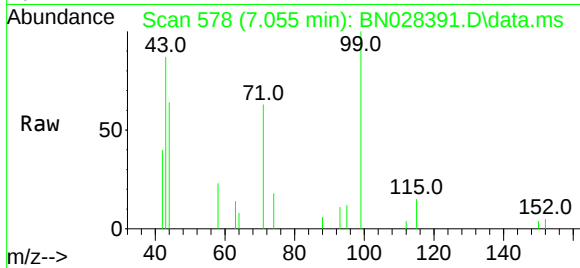
Tgt Ion:112 Resp: 2740
Ion Ratio Lower Upper
112 100
64 61.4 46.9 70.3
63 31.2 25.0 37.4





#5
Phenol-d6
Concen: 0.250 ng
RT: 7.055 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

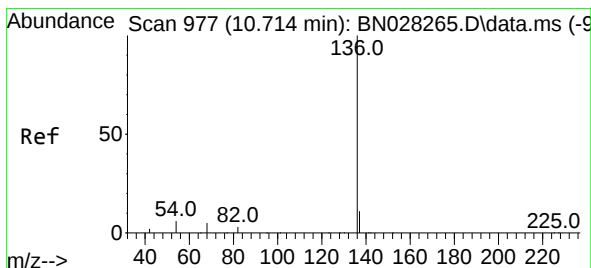
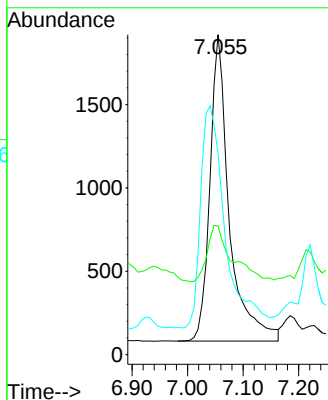
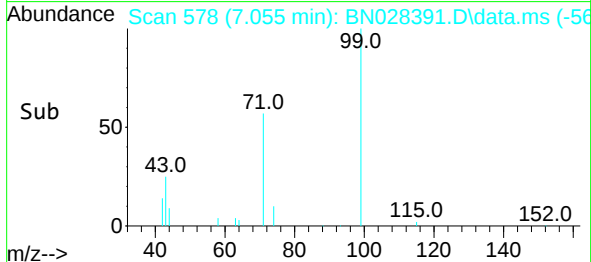
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



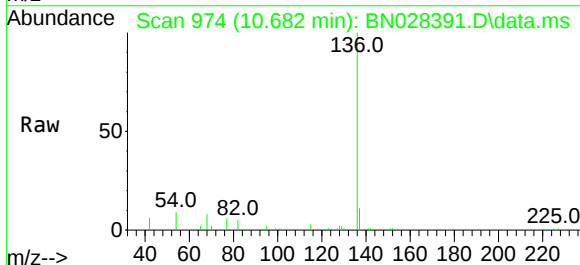
Tgt Ion: 99 Resp: 446
Ion Ratio Lower Upper
99 100
42 23.1 15.9 23.9
71 92.1 28.6 42.8

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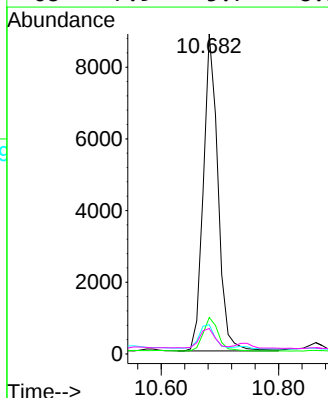
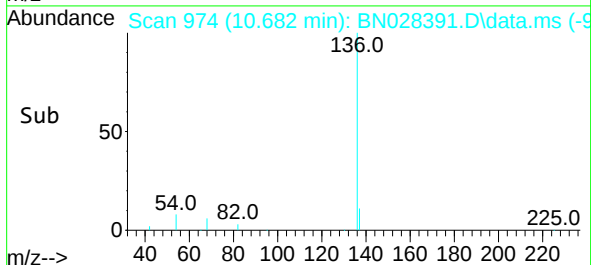
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

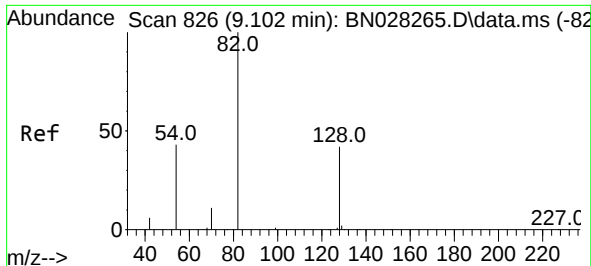


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26



Tgt Ion:136 Resp: 15321
Ion Ratio Lower Upper
136 100
137 11.4 9.8 14.8
54 9.2 6.2 9.4
68 7.9 5.7 8.5





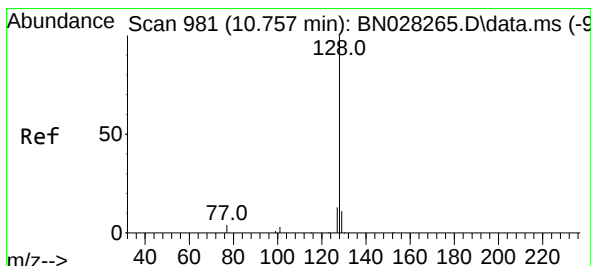
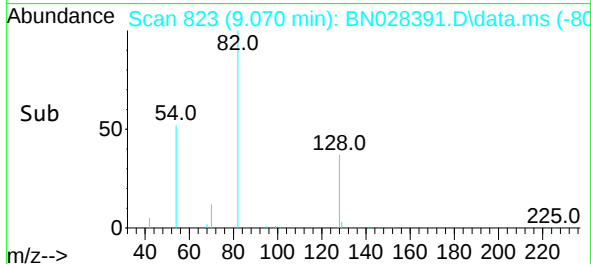
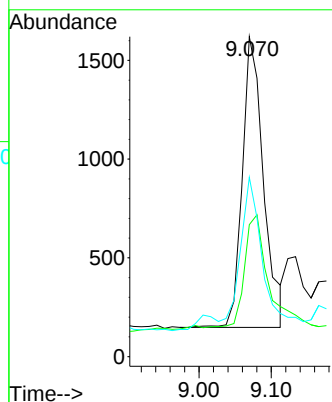
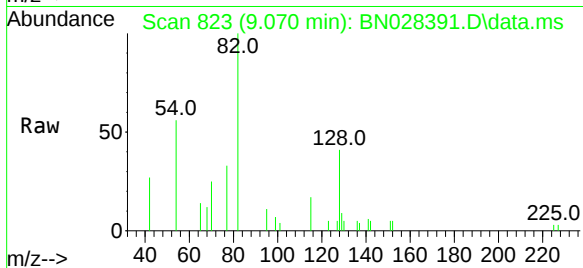
#8
Nitrobenzene-d5
Concen: 0.221 ng
RT: 9.070 min Scan# 81
Delta R.T. -0.032 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Instrument :
BNA_N
ClientSampleId :
A-6(0-2)

Tgt Ion: 82 Resp: 3009
Ion Ratio Lower Upper
82 100
128 41.2 36.8 55.2
54 56.0 37.4 56.2

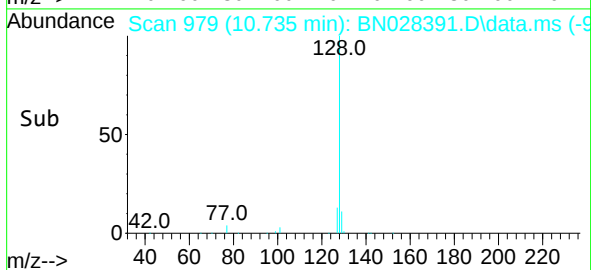
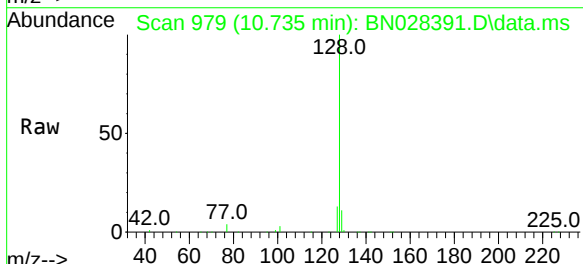
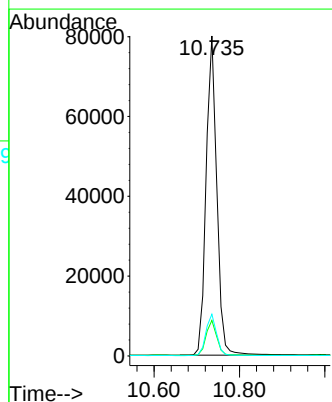
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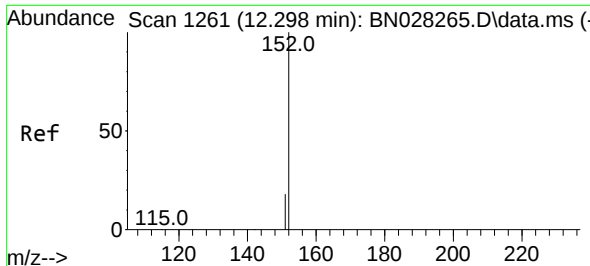
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 3.500 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

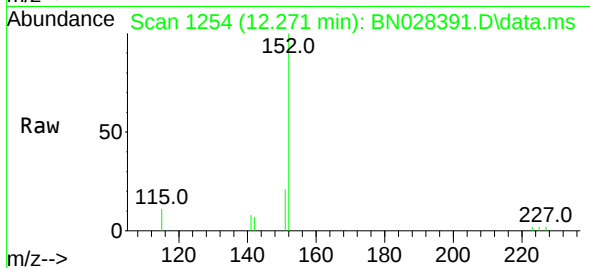
Tgt Ion:128 Resp: 139082
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 13.1 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.209 ng
RT: 12.271 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

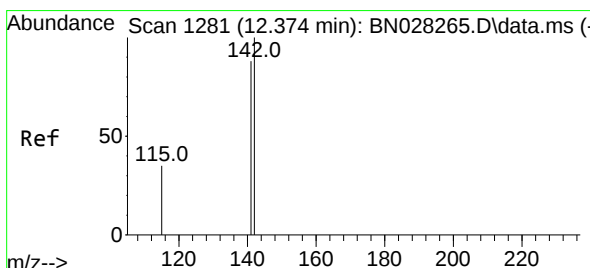
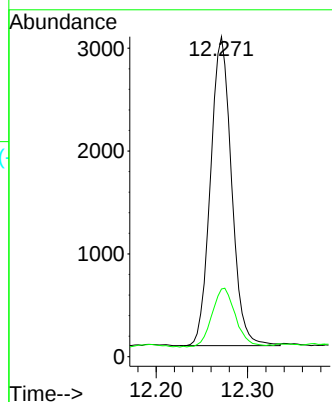
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:152 Resp: 4809
Ion Ratio Lower Upper
152 100
151 21.5 16.1 24.1

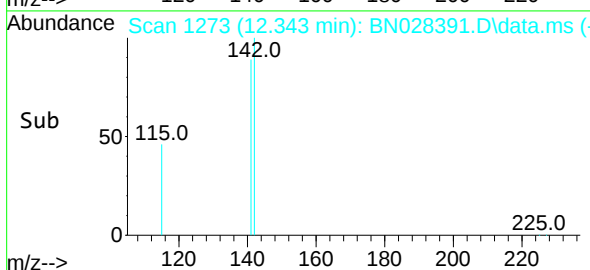
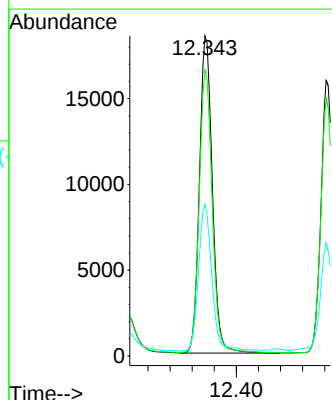
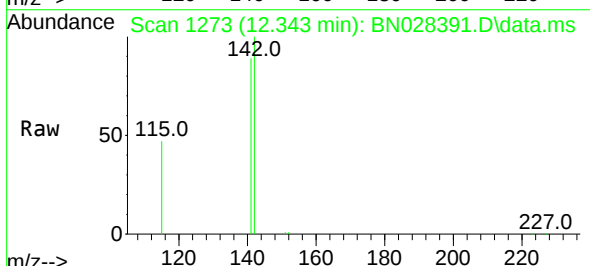
Manual Integrations
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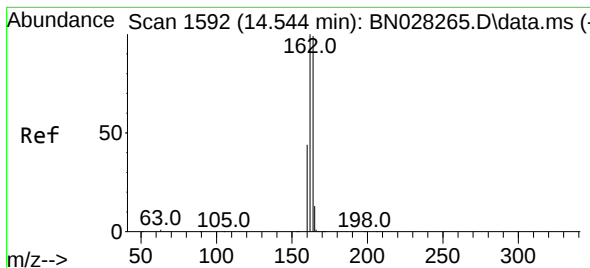
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#12
2-Methylnaphthalene
Concen: 1.068 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:142 Resp: 30148
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7
115 47.3 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: BN028391.D

Acq: 25 Oct 2023 01:26

Instrument :

BNA_N

ClientSampleId :

A-6(0-2)

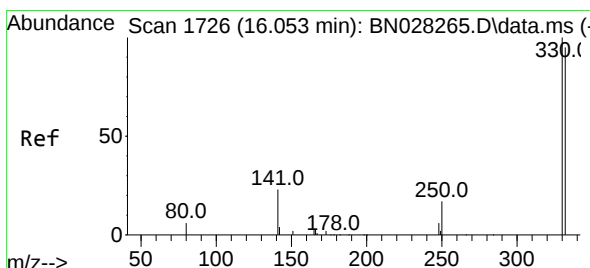
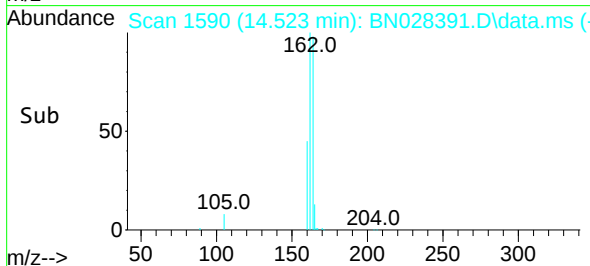
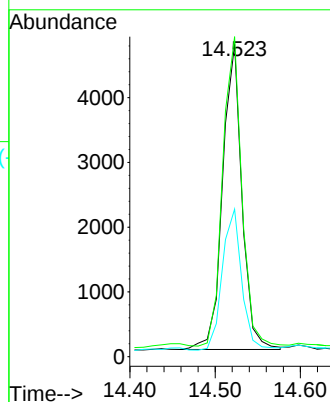
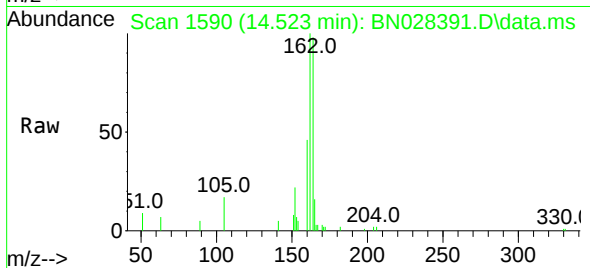
Tgt Ion:	164	Resp:	743
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.1	121.7
160	47.2	36.6	54.8

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: 0.201 ng

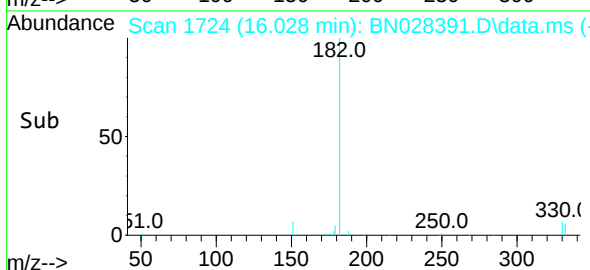
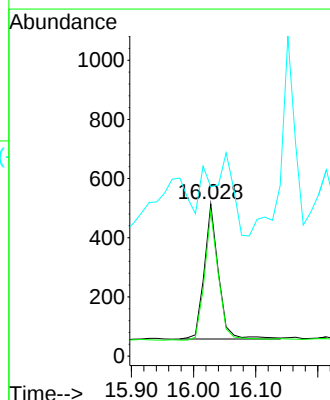
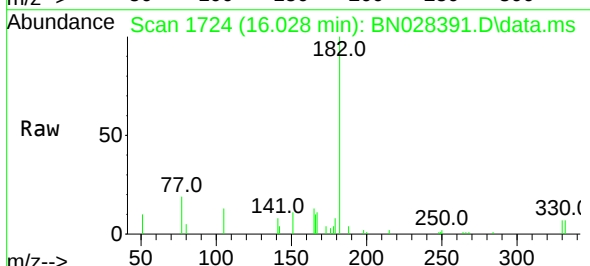
RT: 16.028 min Scan# 1724

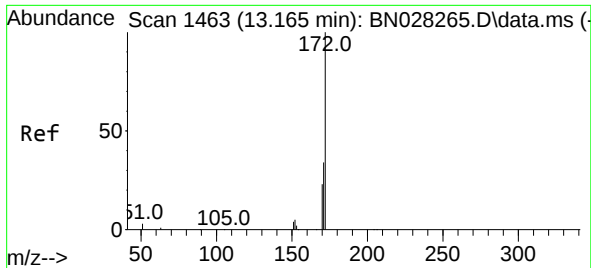
Delta R.T. -0.037 min

Lab File: BN028391.D

Acq: 25 Oct 2023 01:26

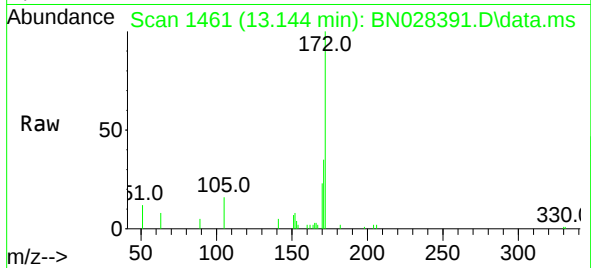
Tgt Ion:	330	Resp:	728
Ion Ratio	Lower	Upper	
330	100		
332	92.7	74.1	111.1
141	0.0	32.1	48.1





#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 13.144 min Scan# 1463
Delta R.T. -0.021 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

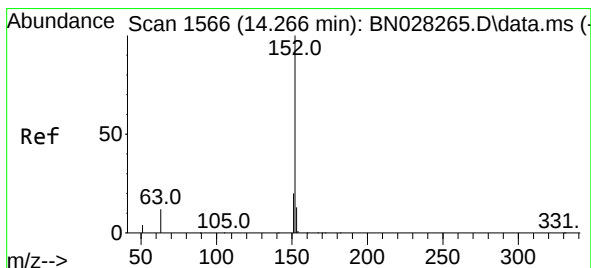
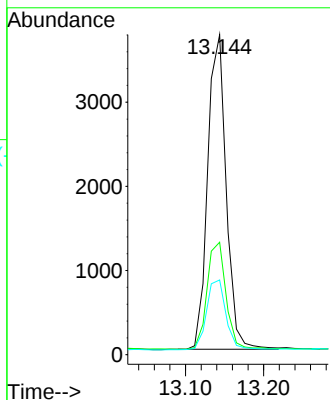
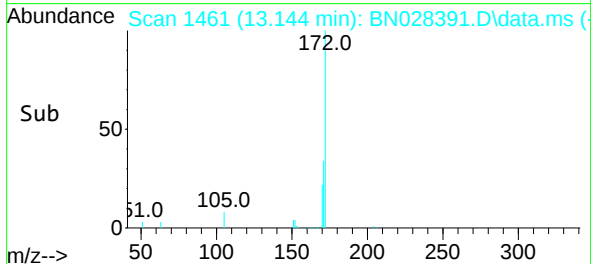
Instrument :
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ClientSampleId :
A-6(0-2)



Tgt Ion:172 Resp: 614
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 18.7 28.1

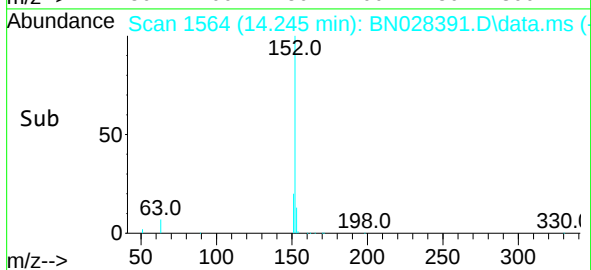
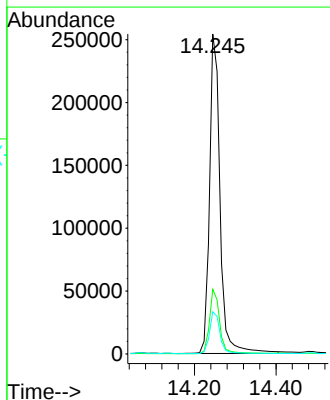
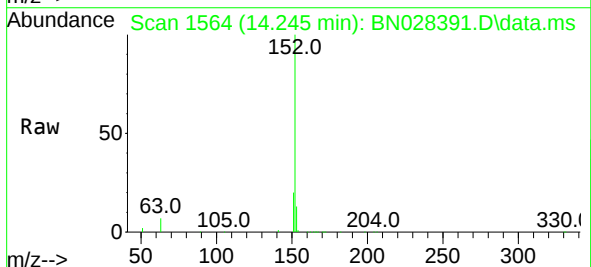
Manual Integrations
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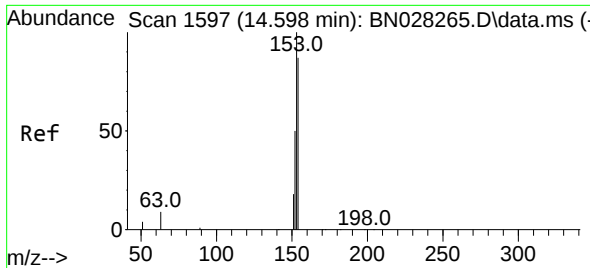
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#16
Acenaphthylene
Concen: 13.604 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

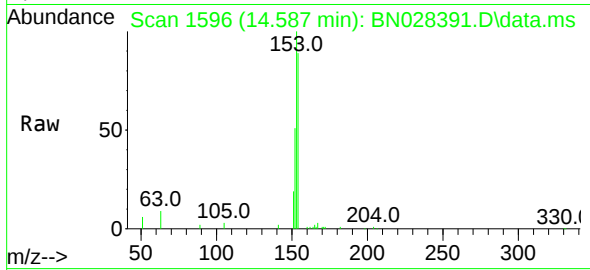
Tgt Ion:152 Resp: 454297
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.1 10.6 16.0





#17
Acenaphthene
Concen: 1.199 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

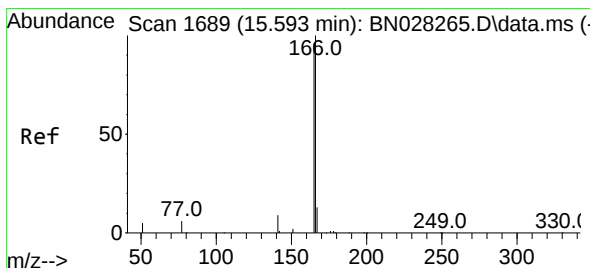
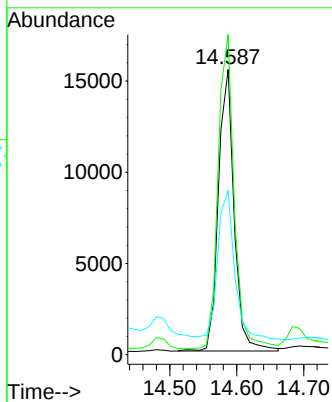
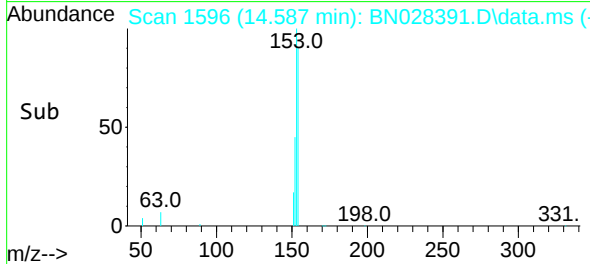
Instrument :
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ClientSampleId :
A-6(0-2)



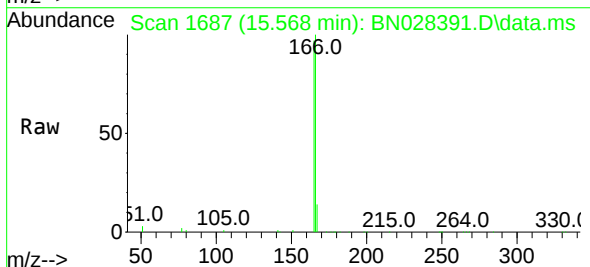
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Ion Ratio Lower Upper
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153 114.3 90.7 136.1
152 57.5 43.6 65.4

Manual Integrations
APPROVED

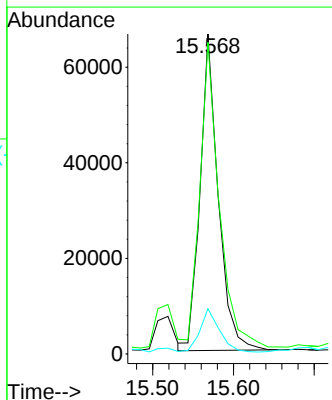
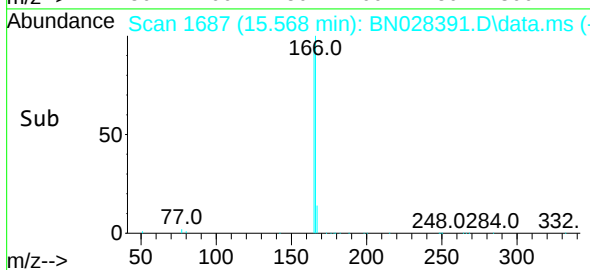
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

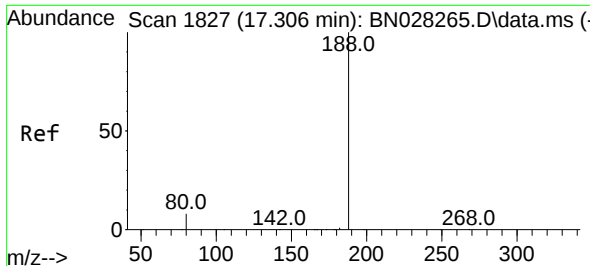


#18
Fluorene
Concen: 3.751 ng
RT: 15.568 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26



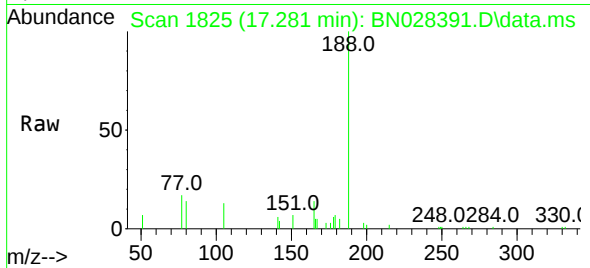
Tgt Ion:166 Resp: 103910
Ion Ratio Lower Upper
166 100
165 102.1 79.3 118.9
167 15.4 10.9 16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.281 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

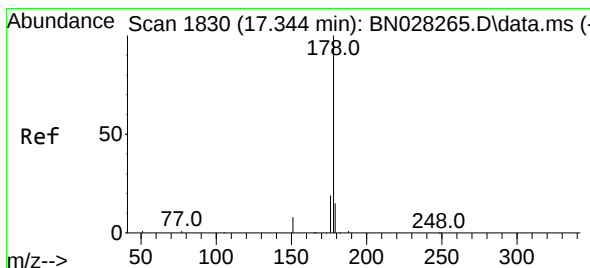
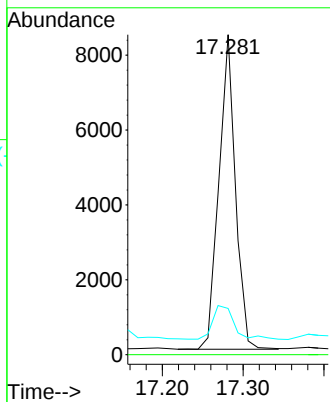
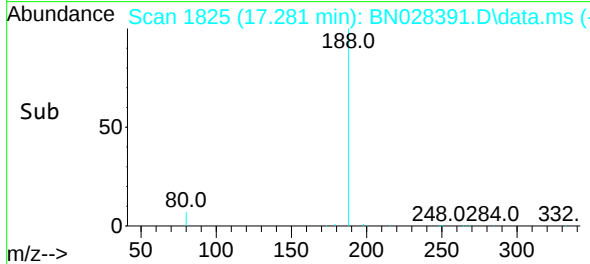
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:188 Resp: 1196
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.4 7.1 10.7

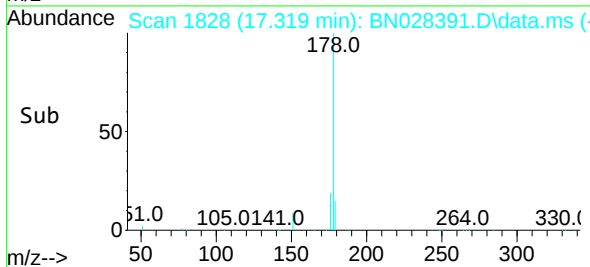
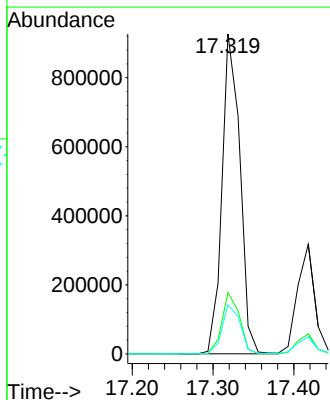
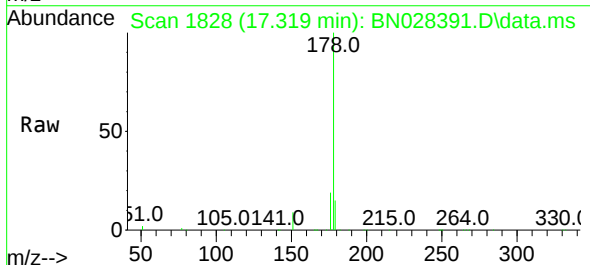
Manual Integrations
APPROVED

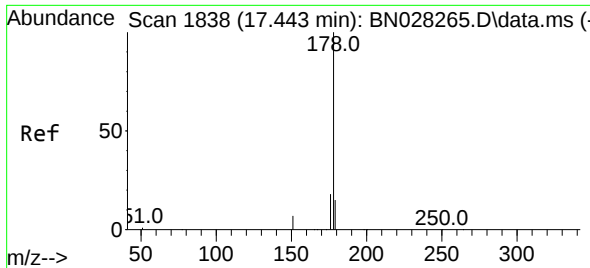
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#25
Phenanthrene
Concen: 43.564 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

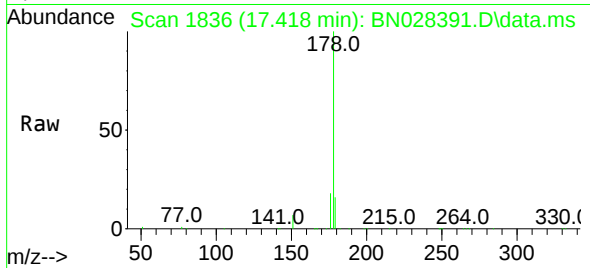
Tgt Ion:178 Resp: 1426809
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.5 18.7





#26
 Anthracene
 Concen: 15.155 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

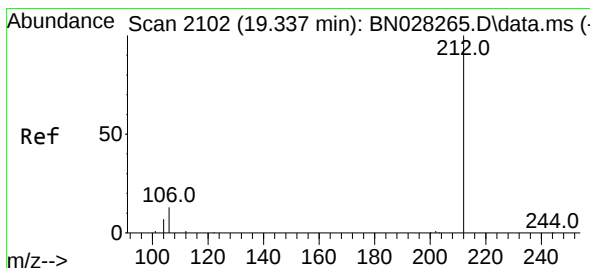
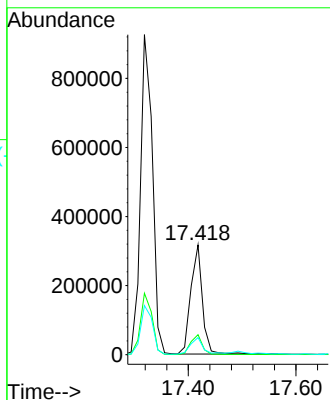
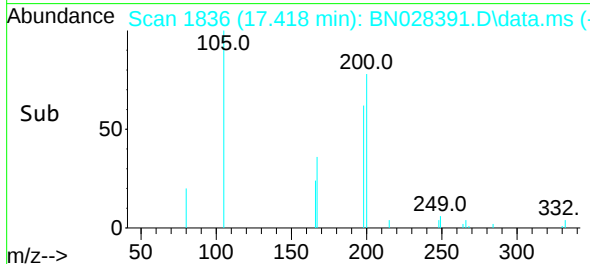
Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)



Tgt Ion:178 Resp: 474075
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 16.9 12.2 18.4

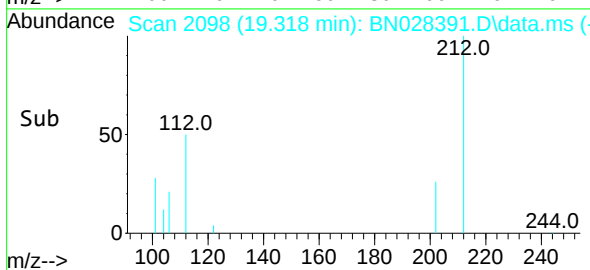
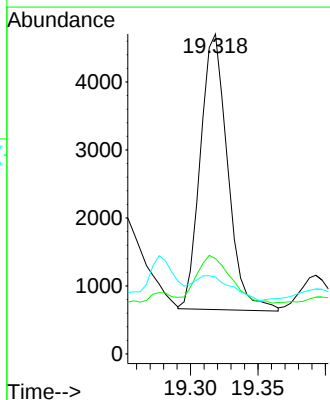
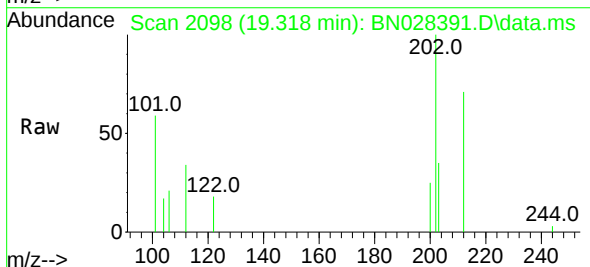
Manual Integrations
 APPROVED

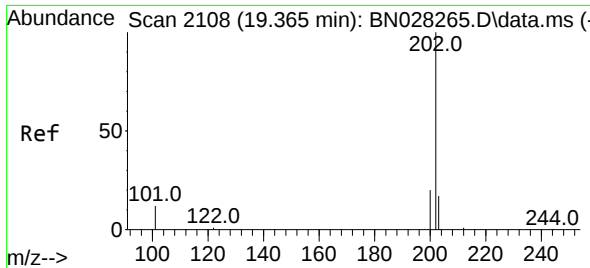
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.178 ng
 RT: 19.318 min Scan# 2098
 Delta R.T. -0.009 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

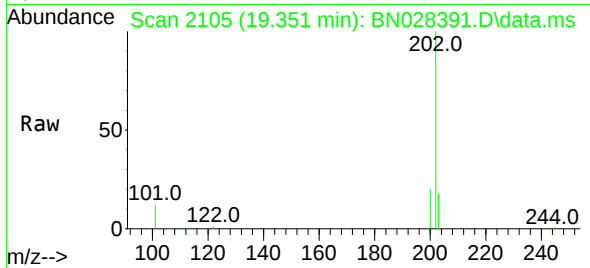
Tgt Ion:212 Resp: 5696
 Ion Ratio Lower Upper
 212 100
 106 21.6 11.5 17.3#
 104 11.5 6.7 10.1#





#28
Fluoranthene
Concen: 58.516 ng
RT: 19.351 min Scan# 2105
Delta R.T. -0.005 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

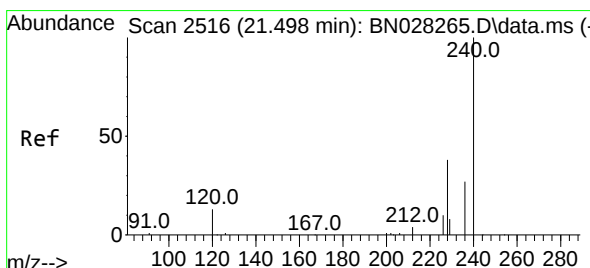
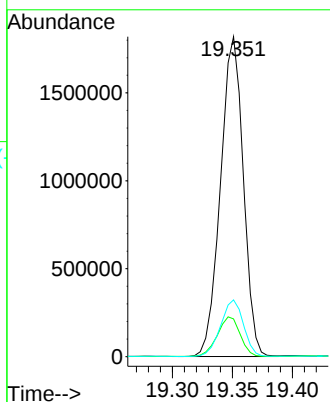
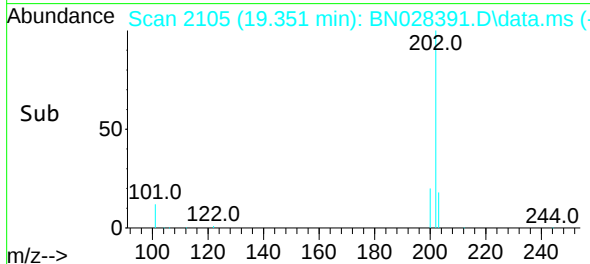
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:202 Resp: 2407679
Ion Ratio Lower Upper
202 100
101 12.4 10.1 15.1
203 17.7 13.9 20.9

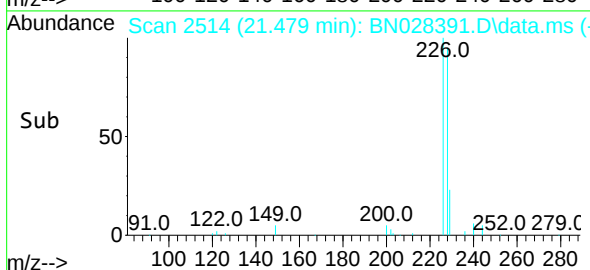
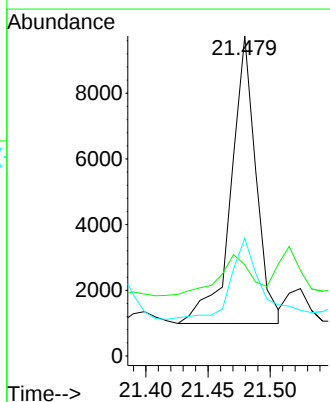
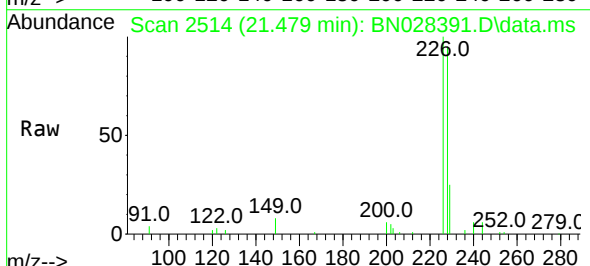
Manual Integrations
APPROVED

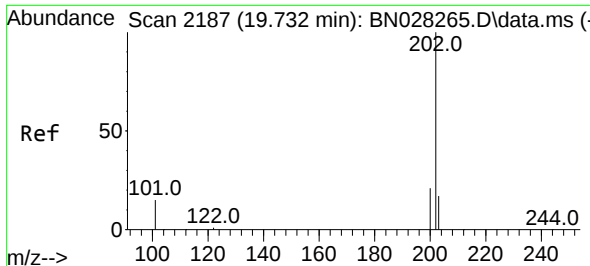
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.479 min Scan# 2514
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

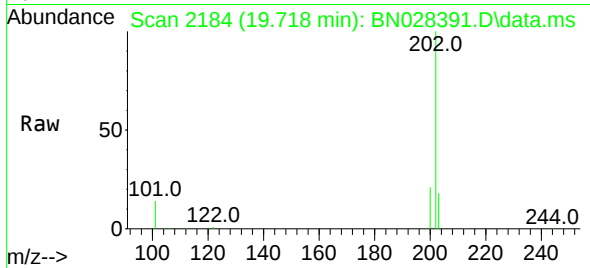
Tgt Ion:240 Resp: 12279
Ion Ratio Lower Upper
240 100
120 28.5 13.4 20.0#
236 36.8 22.7 34.1#





#30
Pyrene
Concen: 51.184 ng
RT: 19.718 min Scan# 2184
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

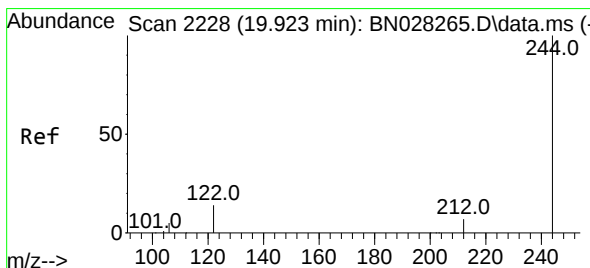
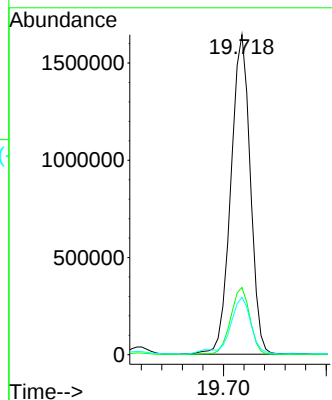
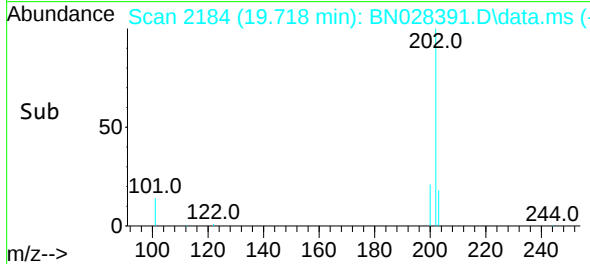
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:202 Resp: 2150578
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 19.2 14.5 21.7

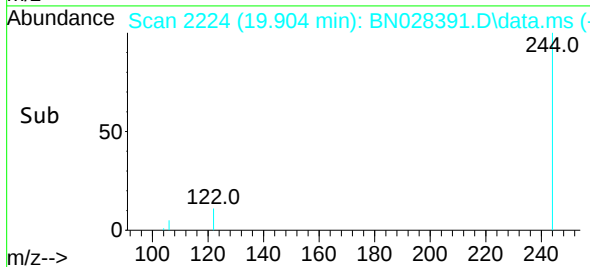
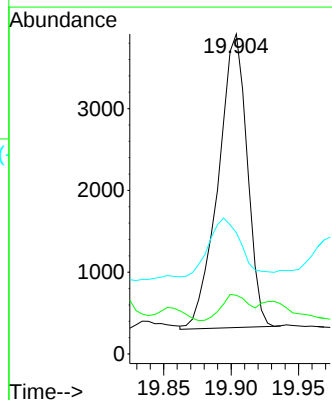
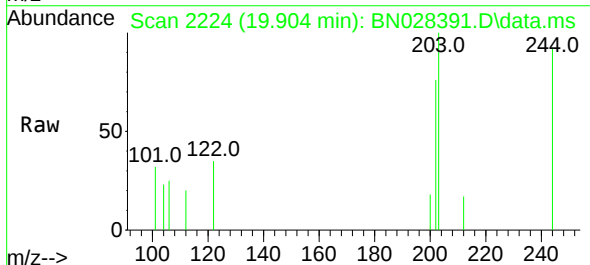
Manual Integrations
APPROVED

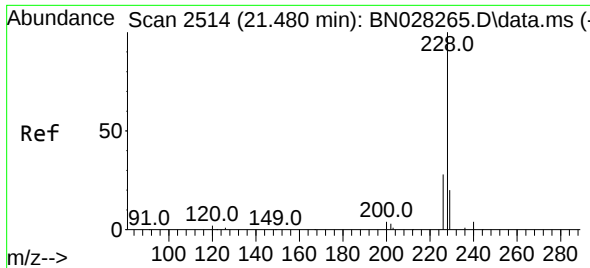
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#31
Terphenyl-d14
Concen: 0.206 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

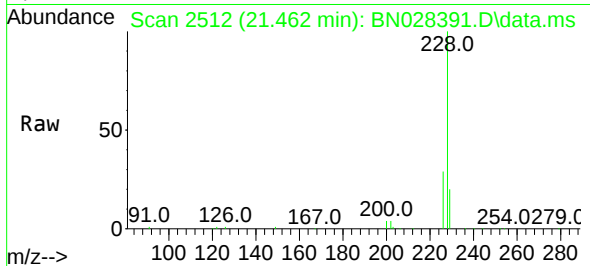
Tgt Ion:244 Resp: 5365
Ion Ratio Lower Upper
244 100
212 18.3 6.6 10.0#
122 37.9 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 30.815 ng
RT: 21.462 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

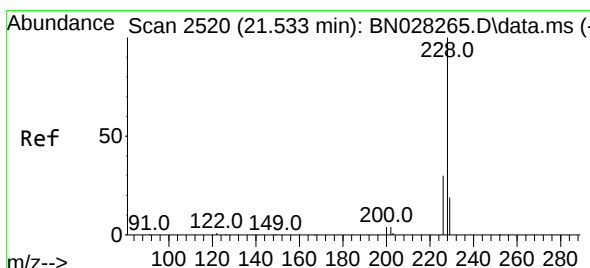
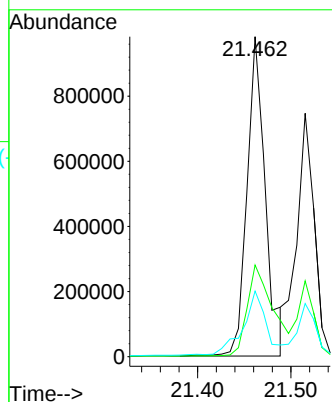
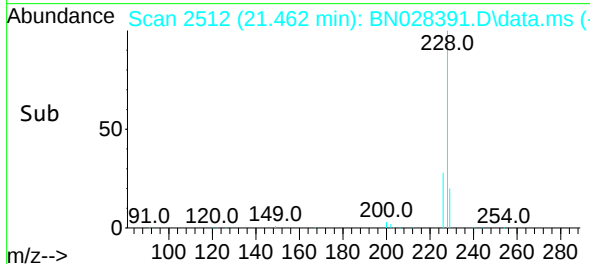
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:228 Resp: 1344189
Ion Ratio Lower Upper
228 100
226 28.7 22.9 34.3
229 20.5 16.6 24.8

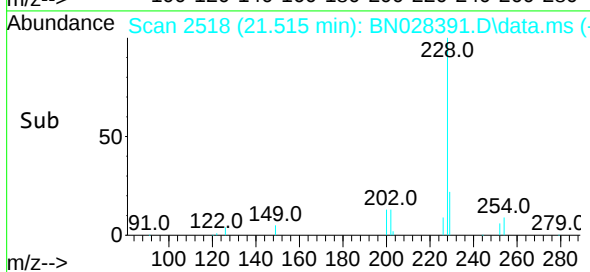
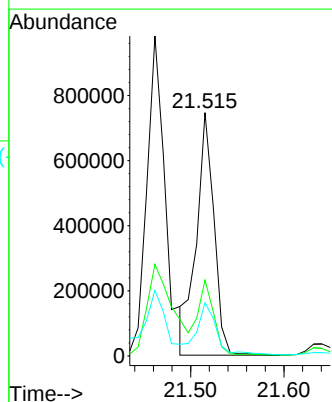
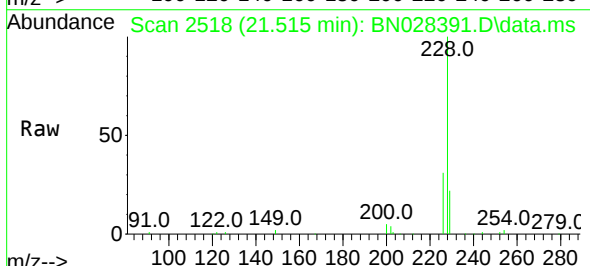
Manual Integrations
APPROVED

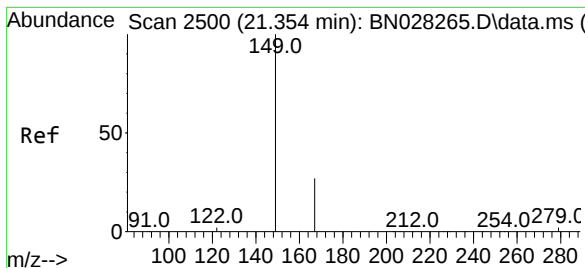
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#33
Chrysene
Concen: 23.364 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

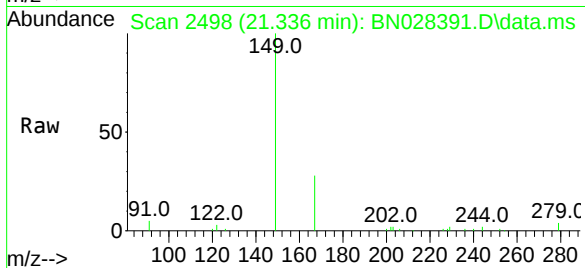
Tgt Ion:228 Resp: 975442
Ion Ratio Lower Upper
228 100
226 31.2 25.2 37.8
229 21.8 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 5.185 ng
RT: 21.336 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

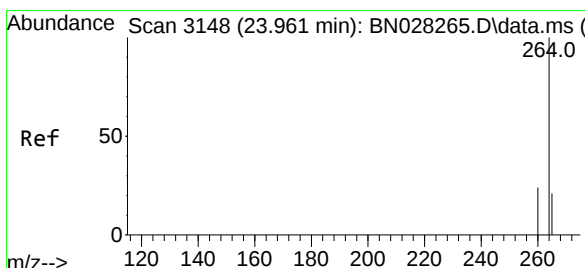
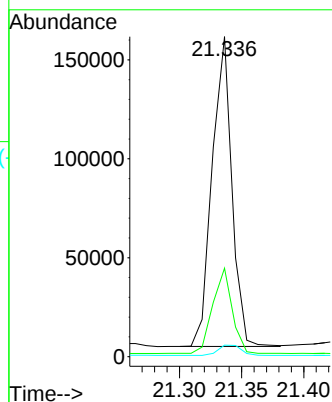
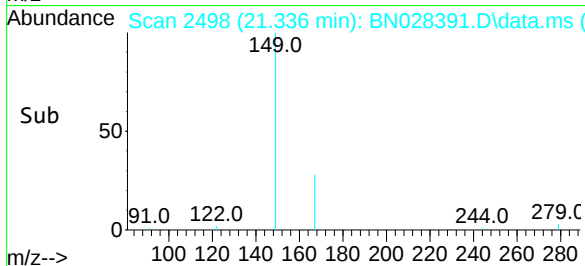
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



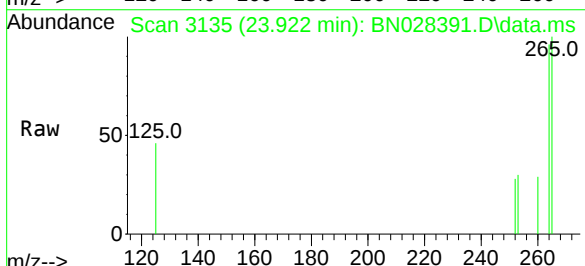
Tgt Ion:149 Resp: 17277
Ion Ratio Lower Upper
149 100
167 27.0 22.6 34.0
279 3.9 4.2 6.2

Manual Integrations
APPROVED

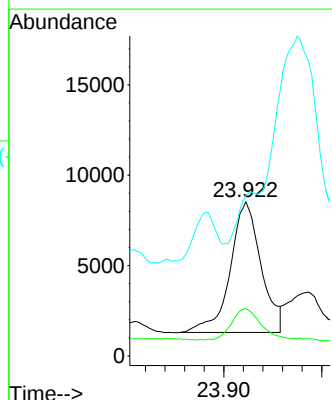
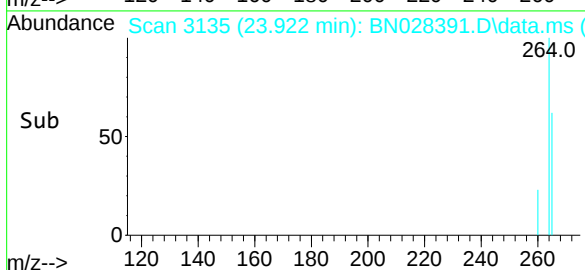
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

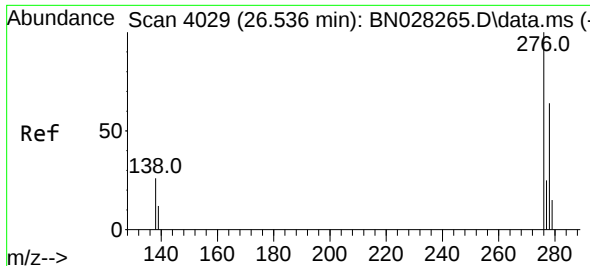


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.922 min Scan# 3135
Delta R.T. -0.015 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26



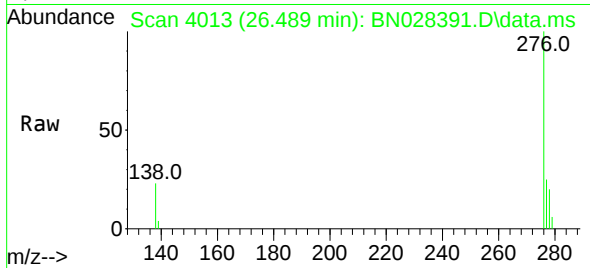
Tgt Ion:264 Resp: 15855
Ion Ratio Lower Upper
264 100
260 30.6 20.7 31.1
265 104.1 38.3 57.5





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 11.647 ng
 RT: 26.489 min Scan# 4029
 Delta R.T. -0.015 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

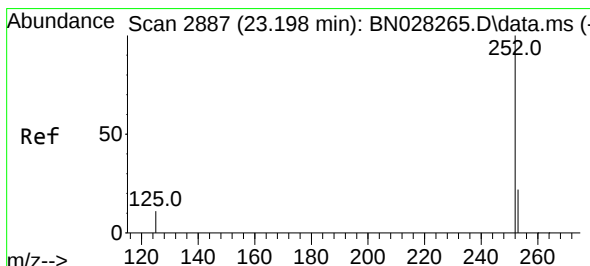
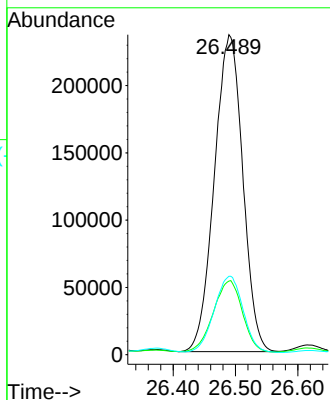
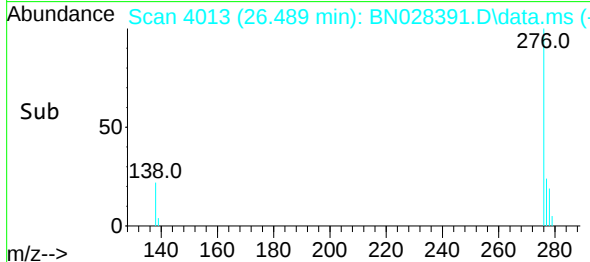
Instrument :
 BNA_N
 ClientSampleId :
 A-6(0-2)



Tgt Ion:276 Resp: 744498
 Ion Ratio Lower Upper
 276 100
 138 23.1 21.3 31.9
 277 24.4 20.0 30.0

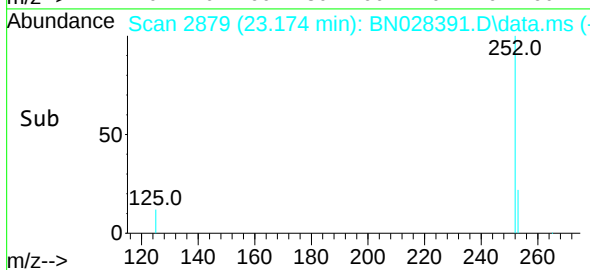
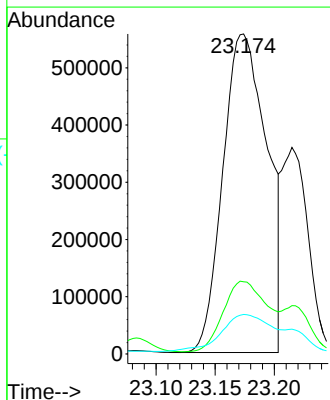
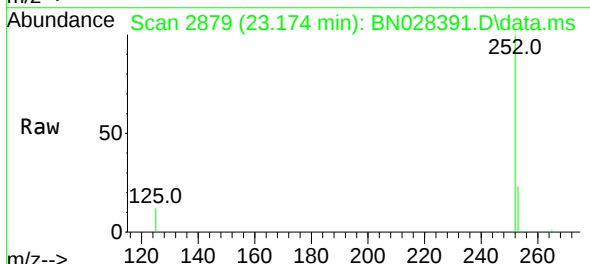
Manual Integrations
 APPROVED

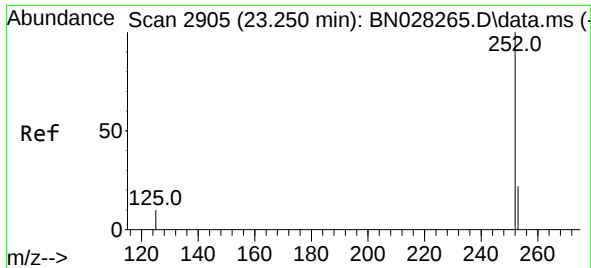
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#37
 Benzo(b)fluoranthene
 Concen: 29.102 ng
 RT: 23.174 min Scan# 2879
 Delta R.T. -0.003 min
 Lab File: BN028391.D
 Acq: 25 Oct 2023 01:26

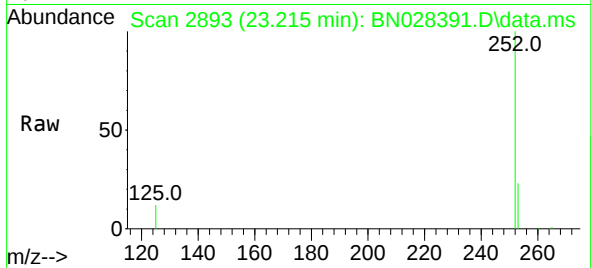
Tgt Ion:252 Resp: 1442256
 Ion Ratio Lower Upper
 252 100
 253 22.5 21.8 32.8
 125 12.4 15.6 23.4#





#38
Benzo(k)fluoranthene
Concen: 11.039 ng m
RT: 23.215 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

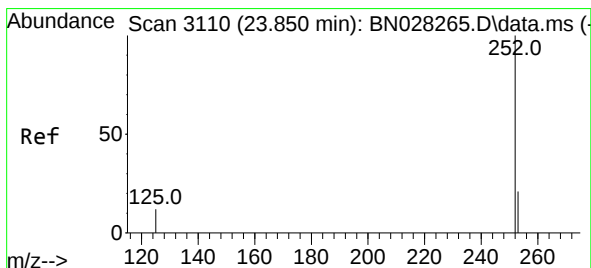
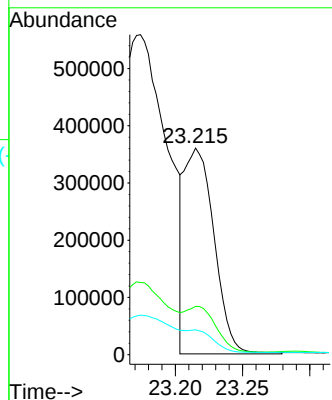
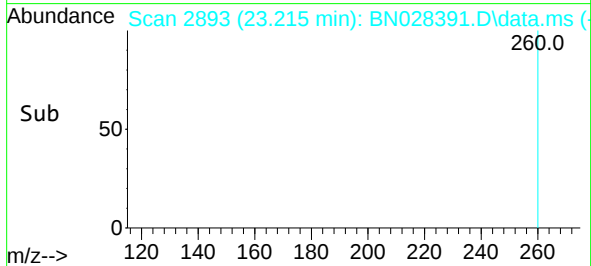
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:252 Resp: 556544
Ion Ratio Lower Upper
252 100
253 23.4 22.0 33.0
125 12.0 15.3 22.9

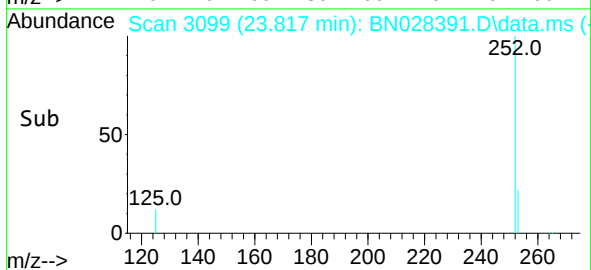
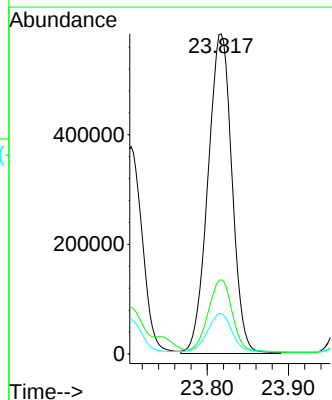
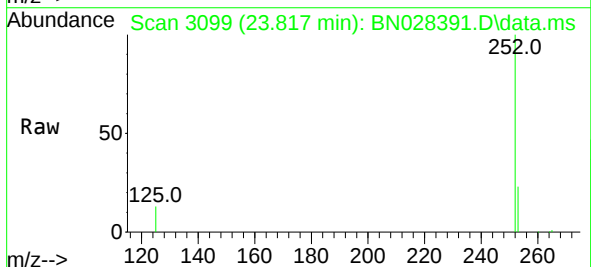
Manual Integrations
APPROVED

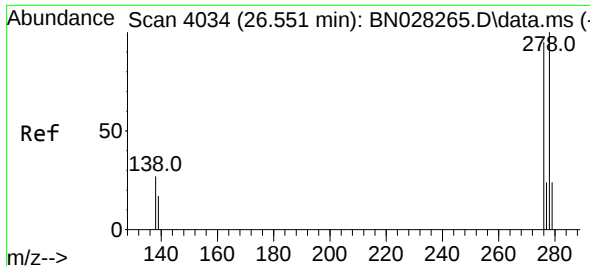
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 24.385 ng m
RT: 23.817 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

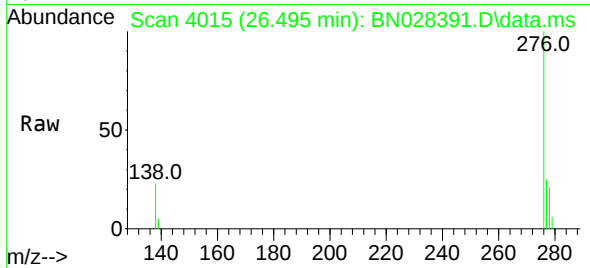
Tgt Ion:252 Resp: 1202184
Ion Ratio Lower Upper
252 100
253 23.2 22.7 34.1
125 12.6 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 3.912 ng
RT: 26.495 min Scan# 4034
Delta R.T. -0.023 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

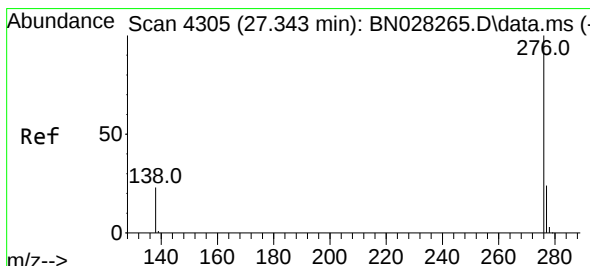
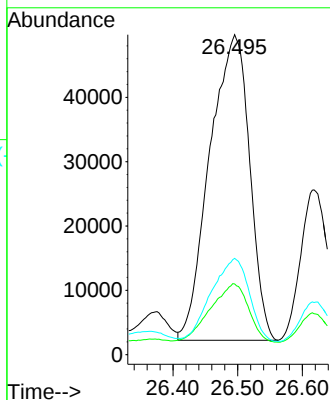
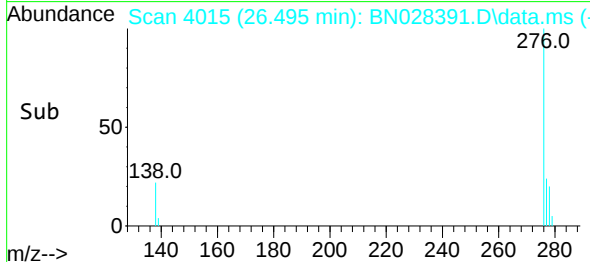
Instrument :
BNA_N
ClientSampleId :
A-6(0-2)



Tgt Ion:278 Resp: 203008
Ion Ratio Lower Upper
278 100
139 22.1 18.8 28.2
279 30.1 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: 13.205 ng
RT: 27.299 min Scan# 4290
Delta R.T. -0.006 min
Lab File: BN028391.D
Acq: 25 Oct 2023 01:26

Tgt Ion:276 Resp: 707489
Ion Ratio Lower Upper
276 100
277 24.4 21.7 32.5
138 23.9 21.7 32.5

